



3665 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Cycle: 2, Proposal Category: GO

INVESTIGATORS

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OBSERVATIONS

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
Jupiter	Limb Scan			

JWST Proposal 3665 (Created: Tuesday, September 19, 2023 at 7:00:37 PM Eastern Standard Time) - Overview

Folder	Observation	Label	Observing Template	Science Target
	2	Jupiter Limb Dawn L35 N	NIRSpec IFU Spectroscopy	(1) JUPITER-DAWN-L35N
	3	Jupiter Limb Dawn L45 N	NIRSpec IFU Spectroscopy	(36) JUPITER-DAWN-L45N
	4	Jupiter Limb Dawn L55 N	NIRSpec IFU Spectroscopy	(35) JUPITER-DAWN-L55N
	5	Jupiter Limb Dawn L65 N	NIRSpec IFU Spectroscopy	(34) JUPITER-DAWN-L65N
	6	Jupiter Limb Dawn L75 N	NIRSpec IFU Spectroscopy	(33) JUPITER-DAWN-L75N
	7	Jupiter Limb Dawn L85 N	NIRSpec IFU Spectroscopy	(32) JUPITER-DAWN-L85N
	8	Jupiter Limb Dusk L85 N	NIRSpec IFU Spectroscopy	(31) JUPITER-DUSK-L85N
	9	Jupiter Limb Dusk L75 N	NIRSpec IFU Spectroscopy	(30) JUPITER-DUSK-L75N
	10	Jupiter Limb Dusk L65 N	NIRSpec IFU Spectroscopy	(29) JUPITER-DUSK-L65N
	38	Jupiter Limb Dusk L65 N	NIRSpec IFU Spectroscopy	(29) JUPITER-DUSK-L65N
	11	Jupiter Limb Dusk L55 N	NIRSpec IFU Spectroscopy	(28) JUPITER-DUSK-L55N
	39	Jupiter Limb Dusk L55 N	NIRSpec IFU Spectroscopy	(28) JUPITER-DUSK-L55N
	12	Jupiter Limb Dusk L45 N	NIRSpec IFU Spectroscopy	(27) JUPITER-DUSK-L45N
	40	Jupiter Limb Dusk L45 N	NIRSpec IFU Spectroscopy	(27) JUPITER-DUSK-L45N
	13	Jupiter Limb Dusk L35 N	NIRSpec IFU Spectroscopy	(26) JUPITER-DUSK-L35N
	41	Jupiter Limb Dusk L35 N	NIRSpec IFU Spectroscopy	(26) JUPITER-DUSK-L35N
	14	Jupiter Limb Dusk L25 N	NIRSpec IFU Spectroscopy	(25) JUPITER-DUSK-L25N
	42	Jupiter Limb Dusk L25 N	NIRSpec IFU Spectroscopy	(25) JUPITER-DUSK-L25N

JWST Proposal 3665 (Created: Tuesday, September 19, 2023 at 7:00:37 PM Eastern Standard Time) - Overview

Folder	Observation	Label	Observing Template	Science Target
	15	Jupiter Limb Dusk L15 N	NIRSpec IFU Spectroscopy	(24) JUPITER-DUSK-L15N
	16	Jupiter Limb Dusk L05 N	NIRSpec IFU Spectroscopy	(23) JUPITER-DUSK-L05N
	17	Jupiter Limb Dusk L05 S	NIRSpec IFU Spectroscopy	(22) JUPITER-DUSK-L05S
	18	Jupiter Limb Dusk L15 S	NIRSpec IFU Spectroscopy	(21) JUPITER-DUSK-L15S
	19	Jupiter Limb Dusk L25 S	NIRSpec IFU Spectroscopy	(20) JUPITER-DUSK-L25S
	20	Jupiter Limb Dusk L35 S	NIRSpec IFU Spectroscopy	(19) JUPITER-DUSK-L35S
	21	Jupiter Limb Dusk L45 S	NIRSpec IFU Spectroscopy	(18) JUPITER-DUSK-L45S
	22	Jupiter Limb Dusk L55 S	NIRSpec IFU Spectroscopy	(17) JUPITER-DUSK-L55S
	23	Jupiter Limb Dusk L65 S	NIRSpec IFU Spectroscopy	(16) JUPITER-DUSK-L65S
	24	Jupiter Limb Dusk L75 S	NIRSpec IFU Spectroscopy	(15) JUPITER-DUSK-L75S
	25	Jupiter Limb Dusk L85 S	NIRSpec IFU Spectroscopy	(14) JUPITER-DUSK-L85S
	26	Jupiter Limb Dawn L85 S	NIRSpec IFU Spectroscopy	(13) JUPITER-DAWN-L85S
	27	Jupiter Limb Dawn L75 S	NIRSpec IFU Spectroscopy	(12) JUPITER-DAWN-L75S
	28	Jupiter Limb Dawn L65 S	NIRSpec IFU Spectroscopy	(11) JUPITER-DAWN-L65S
	29	Jupiter Limb Dawn L55 S	NIRSpec IFU Spectroscopy	(10) JUPITER-DAWN-L55S
	30	Jupiter Limb Dawn L45 S	NIRSpec IFU Spectroscopy	(9) JUPITER-DAWN-L45S
	31	Jupiter Limb Dawn L35 S	NIRSpec IFU Spectroscopy	(8) JUPITER-DAWN-L35S
	32	Jupiter Limb Dawn L25 S	NIRSpec IFU Spectroscopy	(7) JUPITER-DAWN-L25S

<i>Folder</i>	<i>Observation</i>	<i>Label</i>	<i>Observing Template</i>	<i>Science Target</i>
	33	Jupiter Limb Dawn L15 S	NIRSpec IFU Spectroscopy	(6) JUPITER-DAWN-L15S
	34	Jupiter Limb Dawn L05 S	NIRSpec IFU Spectroscopy	(5) JUPITER-DAWN-L05S
	35	Jupiter Limb Dawn L05 N	NIRSpec IFU Spectroscopy	(4) JUPITER-DAWN-L05N
	36	Jupiter Limb Dawn L15 N	NIRSpec IFU Spectroscopy	(3) JUPITER-DAWN-L15N
	37	Jupiter Limb Dawn L25 N	NIRSpec IFU Spectroscopy	(2) JUPITER-DAWN-L25N

ABSTRACT

The evolution of planetary atmospheres is an essential component in the characterisation of exoplanets, as well as developing an understanding of the scope of habitability within the universe. An important factor in this is atmospheric loss into space. While these loss processes are relatively well-understood at Earth, discrepancies at other planets demonstrate that there are a wide range of conditions that we don't fully understand. Jupiter represents the best possible planet to compare and contrast upper atmospheric processes, with both ongoing and upcoming spacecraft, and as an end-member as far from Earth in the range of possible exoplanets.

Here, we propose to scan the limb of Jupiter using the NIRSpec-IFU, revealing the energy distribution throughout the atmosphere at that time in both altitude and latitude. These will be taken coincident to Juno radio occultation measurements: the direct comparison between JWST and Juno measurements of ionospheric emission and electron density respectively not only provides context to the specific Juno observations on that day, but also provides a unique key that helps to understand the hundreds of highly variable past occultations taken at both Jupiter and Saturn.

In combining JWST and Juno data, we will constrain the highly variable electron measurements for the first time, and provide a broader ionospheric context, highlighting waves moving both altitudinally and latitudinally. In turn, this will help reveal the primary processes that transfer energy in the ionosphere and thermosphere, ultimately giving us a detailed picture of where and how Jupiter's atmosphere is lost to space.

OBSERVING DESCRIPTION

The observations proposed here will investigate the vertical distribution of the molecular ion H₃⁺ above the limb of Jupiter. The F290LP/G395H filter grating combination provides coverage between 3 and 5 microns where a large number of H₃⁺ emission lines are located. From spectral analysis of these the vertical temperature and ion density structure can be derived.

Each position on the planet is set up as an individual target, using the torus Level 2 target description. Each observation is defined as an angle from the central meridian and a latitude, as well as a distance in km from the centre of the target. The exposure of the first tile will be coordinated with Juno radio occultations of the atmosphere, which provides a measure of the vertical electron density, which will be measured simultaneously with the ion (H_3^+) component. After this tile, the sequence of observations will move anti-clockwise along the limb of the planet, capturing emissions at all latitudes for a global picture of the ionosphere. A total of 34 individual tiles make up this set of observations.

Proposal 3665 - Targets - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER-DAWN-L35N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(2)	JUPITER-DAWN-L25N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(3)	JUPITER-DAWN-L15N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+15, RAD=71150, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(4)	JUPITER-DAWN-L05N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+5, RAD=71453, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(5)	JUPITER-DAWN-L05S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-5, RAD=71453, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(6)	JUPITER-DAWN-L15S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-15, RAD=71150, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(7)	JUPITER-DAWN-L25S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(8)	JUPITER-DAWN-L35S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(9)	JUPITER-DAWN-L45S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-45, RAD=69056, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(10)	JUPITER-DAWN-L55S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-55, RAD=68278, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(11)	JUPITER-DAWN-L65S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-65, RAD=67616, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(12)	JUPITER-DAWN-L75S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-75, RAD=67136, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				
(13)	JUPITER-DAWN-L85S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-85, RAD=66885, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0	
<i>Comments: Extended=YES</i>				

Solar System Targets

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(14)	JUPITER-DUSK-L85S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-85, RAD=66885, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(15)	JUPITER-DUSK-L75S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-75, RAD=67136, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(16)	JUPITER-DUSK-L65S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-65, RAD=67616, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(17)	JUPITER-DUSK-L55S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-55, RAD=68278, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(18)	JUPITER-DUSK-L45S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-45, RAD=69056, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(19)	JUPITER-DUSK-L35S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(20)	JUPITER-DUSK-L25S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(21)	JUPITER-DUSK-L15S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-15, RAD=71150, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(22)	JUPITER-DUSK-L05S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-5, RAD=71453, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(23)	JUPITER-DUSK-L05N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+05, RAD=71453, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(24)	JUPITER-DUSK-L15N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+15, RAD=71150, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(25)	JUPITER-DUSK-L25N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(26)	JUPITER-DUSK-L35N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			

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(27)	JUPITER-DUSK-L45N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+45, RAD=69056, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(28)	JUPITER-DUSK-L55N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+55, RAD=68278, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(29)	JUPITER-DUSK-L65N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+65, RAD=67616, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(30)	JUPITER-DUSK-L75N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+75, RAD=67136, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(31)	JUPITER-DUSK-L85N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+85, RAD=66885, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(32)	JUPITER-DAWN-L85N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+85, RAD=66885, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(33)	JUPITER-DAWN-L75N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+75, RAD=67136, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(34)	JUPITER-DAWN-L65N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+65, RAD=67616, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(35)	JUPITER-DAWN-L55N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+55, RAD=68278, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			
(36)	JUPITER-DAWN-L45N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+45, RAD=69056, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0
<i>Comments: Extended=YES</i>			

Proposal 3665 - Observation 2 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 2: Jupiter Limb Dawn L35N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy <i>Comments: The first NIRSpec IFU observation is designed to co-inside with Juno radio occultations that occur at 2023-09-07 12:38 UTC. The start time in the Special requirements date-range starts 30 minutes before this time to account for the slew time. Conversations with STSci are likely needed to fine-tune this.</i>											
	(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L35N (Obs 2)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnostics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(1)	JUPITER-DAWN-L35N	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=+35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
<i>Comments: Extended=YES</i>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	Between Dates 07-SEP-2023:12:08:00 and 07-SEP-2023:13:08:00 No Parallel Attachments Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 3 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 3: Jupiter Limb Dawn L45N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L45N (Obs 3)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(36)	JUPITER-DAWN-L45N	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=+45, RAD=69056, POLE_LONG=0, POLE_L			AT=+90, O_LONG=0, O_LAT=0, O_RAD=0			
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L45N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 4 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 4: Jupiter Limb Dawn L55N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L55N (Obs 4)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(35)	JUPITER-DAWN-L55N	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=+55, RAD=68278, POLE_LONG=0, POLE_L			AT=+90, O_LONG=0, O_LAT=0, O_RAD=0			
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L55N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 5 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 5: Jupiter Limb Dawn L65N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L65N (Obs 5)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(34)	JUPITER-DAWN-L65N	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=+65, RAD=67616, POLE_LONG=0, POLE_L			AT=+90, O_LONG=0, O_LAT=0, O_RAD=0			
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L65N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 6 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 6: Jupiter Limb Dawn L75N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L75N (Obs 6)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(33)	JUPITER-DAWN-L75N	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=+75, RAD=67136, POLE_LONG=0, POLE_L			AT=+90, O_LONG=0, O_LAT=0, O_RAD=0			
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L75N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 7 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 7: Jupiter Limb Dawn L85N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L85N (Obs 7)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(32)	JUPITER-DAWN-L85N	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=+85, RAD=66885, POLE_LONG=0, POLE_L			AT=+90, O_LONG=0, O_LAT=0, O_RAD=0			
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L85N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 8 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 8: Jupiter Limb Dusk L85N</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dusk L85N (Obs 8)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(31)	JUPITER-DUSK-L85N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+85, RAD=66885, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible</p> <p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L85N FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 9 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 9: Jupiter Limb Dusk L75N</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dusk L75N (Obs 9)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(30)	JUPITER-DUSK-L75N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+75, RAD=67136, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible</p> <p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L75N FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 10 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 10: Jupiter Limb Dusk L65N</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dusk L65N (Obs 10)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1				Level 2				Level 3	
	(29)	JUPITER-DUSK-L65N	STD=JUPITER				TYPE=TORUS, LONG=+90, LAT=+65, RAD=67616, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0					
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible</p> <p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L65N FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 38 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 38: Jupiter Limb Dusk L65N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 38:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L65N (Obs 38)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(29)	JUPITER-DUSK-L65N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+65, RAD=67616, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L65N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 11 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 11: Jupiter Limb Dusk L55N</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dusk L55N (Obs 11)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1				Level 2				Level 3	
	(28)	JUPITER-DUSK-L55N	STD=JUPITER				TYPE=TORUS, LONG=+90, LAT=+55, RAD=68278, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0					
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible</p> <p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L55N FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 39 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 39: Jupiter Limb Dusk L55N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 39:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L55N (Obs 39)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(28)	JUPITER-DUSK-L55N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+55, RAD=68278, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	146433
Special Requirements	No Parallel Attachments											
	DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L55N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 12 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 12: Jupiter Limb Dusk L45N</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dusk L45N (Obs 12)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(27)	JUPITER-DUSK-L45N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+45, RAD=69056, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible</p> <p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L45N FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 40 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 40: Jupiter Limb Dusk L45N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 40:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L45N (Obs 40)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(27)	JUPITER-DUSK-L45N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+45, RAD=69056, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L45N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 13 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 13: Jupiter Limb Dusk L35N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L35N (Obs 13)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(26)	JUPITER-DUSK-L35N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, Non-interruptible Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L35N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 41 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 41: Jupiter Limb Dusk L35N</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 41:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L35N (Obs 41)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnosics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(26)	JUPITER-DUSK-L35N	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=+35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L35N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 14 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 14: Jupiter Limb Dusk L25N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L25N (Obs 14)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(25)	JUPITER-DUSK-L25N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L25N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 42 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 42: Jupiter Limb Dusk L25N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 42:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L25N (Obs 42)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(25)	JUPITER-DUSK-L25N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L25N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 15 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 15: Jupiter Limb Dusk L15N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L15N (Obs 15)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(24)	JUPITER-DUSK-L15N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+15, RAD=71150, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L15N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 16 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

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Observation	Proposal 3665, Observation 16: Jupiter Limb Dusk L05N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 16:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L05N (Obs 16)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(23)	JUPITER-DUSK-L05N	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=+05, RAD=71453, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L05N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 17 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 17: Jupiter Limb Dusk L05S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 17:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L05S (Obs 17)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(22)	JUPITER-DUSK-L05S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-5, RAD=71453, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
<i>Comments: Extended=YES</i>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L05S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 18 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 18: Jupiter Limb Dusk L15S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 18:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L15S (Obs 18)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(21)	JUPITER-DUSK-L15S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-15, RAD=71150, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
<i>Comments: Extended=YES</i>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L15S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 19 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 19: Jupiter Limb Dusk L25S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 19:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L25S (Obs 19)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(20)	JUPITER-DUSK-L25S	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=-25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L25S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 20 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 20: Jupiter Limb Dusk L35S</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 20:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dusk L35S (Obs 20)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(19)	JUPITER-DUSK-L35S	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=-35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L35S FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 21 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 21: Jupiter Limb Dusk L45S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 21:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L45S (Obs 21)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(18)	JUPITER-DUSK-L45S	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=-45, RAD=69056, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
<i>Comments: Extended=YES</i>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L45S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 22 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 22: Jupiter Limb Dusk L55S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 22:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L55S (Obs 22)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(17)	JUPITER-DUSK-L55S	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=-55, RAD=68278, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
<i>Comments: Extended=YES</i>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L55S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 23 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 23: Jupiter Limb Dusk L65S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 23:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L65S (Obs 23)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(16)	JUPITER-DUSK-L65S	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=-65, RAD=67616, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L65S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 24 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 24: Jupiter Limb Dusk L75S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 24:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L75S (Obs 24)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(15)	JUPITER-DUSK-L75S	STD=JUPITER			TYPE=TORUS, LONG=+90, LAT=-75, RAD=67136, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L75S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 25 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 25: Jupiter Limb Dusk L85S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 25:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dusk L85S (Obs 25)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnostics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(14)	JUPITER-DUSK-L85S	STD=JUPITER	TYPE=TORUS, LONG=+90, LAT=-85, RAD=66885, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DUSK-L85S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 26 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 26: Jupiter Limb Dawn L85S</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 26:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L85S (Obs 26)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(13)	JUPITER-DAWN-L85S	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=-85, RAD=66885, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L85S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 27 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 27: Jupiter Limb Dawn L75S</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 27:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L75S (Obs 27)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(12)	JUPITER-DAWN-L75S	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=-75, RAD=67136, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L75S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 28 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 28: Jupiter Limb Dawn L65S</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 28:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dawn L65S (Obs 28)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(11)	JUPITER-DAWN-L65S	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=-65, RAD=67616, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L65S FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 29 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 29: Jupiter Limb Dawn L55S</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	<p>(Visit 29:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dawn L55S (Obs 29)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(10)	JUPITER-DAWN-L55S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-55, RAD=68278, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
	<i>Comments: Extended=YES</i>											
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	<p>No Parallel Attachments</p> <p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L55S FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 30 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 30: Jupiter Limb Dawn L45S</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 30:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dawn L45S (Obs 30)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(9)	JUPITER-DAWN-L45S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-45, RAD=69056, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L45S FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 31 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 31: Jupiter Limb Dawn L35S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 31:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L35S (Obs 31)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(8)	JUPITER-DAWN-L35S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-35, RAD=69861, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
<i>Comments: Extended=YES</i>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L35S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 32 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 32: Jupiter Limb Dawn L25S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 32:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L25S (Obs 32)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(7)	JUPITER-DAWN-L25S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L25S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 33 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 33: Jupiter Limb Dawn L15S</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
	<p>(Visit 33:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dawn L15S (Obs 33)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Diagnostics												
Solar System Targets	#	Name	Level 1	Level 2				Level 3				
	(6)	JUPITER-DAWN-L15S	STD=JUPITER	TYPE=TORUS, LONG=-90, LAT=-15, RAD=71150, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0								
<p><i>Comments: Extended=YES</i></p>												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	<p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L15S FROM JWST LESS THAN 0.075</p>											

Proposal 3665 - Observation 34 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 34: Jupiter Limb Dawn L05S Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 34:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L05S (Obs 34)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(5)	JUPITER-DAWN-L05S	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=-5, RAD=71453, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L05S FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 35 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 35: Jupiter Limb Dawn L05N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 35:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L05N (Obs 35)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(4)	JUPITER-DAWN-L05N	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=+5, RAD=71453, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L05N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 36 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	Proposal 3665, Observation 36: Jupiter Limb Dawn L15N Diagnostic Status: Warning Observing Template: NIRSpec IFU Spectroscopy											
	(Visit 36:1) Warning (Form): Overheads are provisional until the Visit Planner has been run. (Jupiter Limb Dawn L15N (Obs 36)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.											
Diagnosics												
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(3)	JUPITER-DAWN-L15N	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=+15, RAD=71150, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
Comments: Extended=YES												
Template	TA Method											
	NONE											
Dithers	#	Dither Type		Size		Starting Point		Number of Points		Points		
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	No Parallel Attachments											
	Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L15N FROM JWST LESS THAN 0.075											

Proposal 3665 - Observation 37 - Unveiling Jupiter's upper atmosphere and constraining atmospheric loss from Giant Planets

Wed Sep 20 00:00:37 GMT 2023

Observation	<p>Proposal 3665, Observation 37: Jupiter Limb Dawn L25N</p> <p>Diagnostic Status: Warning</p> <p>Observing Template: NIRSpec IFU Spectroscopy</p>											
Diagnostics	<p>(Visit 37:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.</p> <p>(Jupiter Limb Dawn L25N (Obs 37)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.</p>											
Solar System Targets	#	Name	Level 1			Level 2			Level 3			
	(2)	JUPITER-DAWN-L25N	STD=JUPITER			TYPE=TORUS, LONG=-90, LAT=+25, RAD=70592, POLE_LONG=0, POLE_LAT=+90, O_LONG=0, O_LAT=0, O_RAD=0						
	<p>Comments: Extended=YES</p>											
Template	<p>TA Method</p> <p>NONE</p>											
Dithers	#	Dither Type		Size	Starting Point			Number of Points	Points			
	1	4-POINT-NOD										
Spectral Elements	#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Leakcal	Dither	Autocal	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
	1	G395H/F290LP	NRSRAPID	4	1	false	true	NONE	4	4	214.735	
Special Requirements	<p>No Parallel Attachments</p> <p>Sequence Observations 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 within 3 Days</p> <p>DEFAULT WINDOW: ANGULAR RATE JUPITER-DAWN-L25N FROM JWST LESS THAN 0.075</p>											