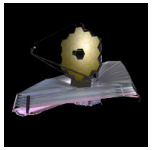

1201 - NIRISS Exploration of the Atmospheric diversity of Transiting exoplanets (NEAT)

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
WASP-121				

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	1	Phase curve	NIRISS Single-Object Slitless Spectroscopy	(1) WASP-121
LTT 9779				
	2	phase curve	NIRISS Single-Object Slitless Spectroscopy	(16) LTT-9779
HAT-P-1				
	3	Primary transit	NIRISS Single-Object Slitless Spectroscopy	(23) HATP1
	4	Secondary eclipse	NIRISS Single-Object Slitless Spectroscopy	(3) HAT-P-1
WASP-52				
	5	transit	NIRISS Single-Object Slitless Spectroscopy	(17) WASP-52
WASP-127				
	6	transit	NIRISS Single-Object Slitless Spectroscopy	(20) WASP-127
WASP-80				
	7	eclipse	NIRISS Single-Object Slitless Spectroscopy	(5) WASP-80
WASP-107				
	8	Primary transit	NIRISS Single-Object Slitless Spectroscopy	(6) WASP-107
	9	eclipse NIRSPEC	NIRSpec Bright Object Time Series	(6) WASP-107
	502	eclipse NIRSPEC (repeat)	NIRSpec Bright Object Time Series	(6) WASP-107
GJ 3470				
	10	eclipse	NIRSpec Bright Object Time Series	(8) GJ-3470
TRAPPIST-1				
	101	Planet f - transit 1	NIRISS Single-Object Slitless Spectroscopy	(12) TRAPPIST-1
	102	Planet f - transit 2	NIRISS Single-Object Slitless Spectroscopy	(12) TRAPPIST-1
	103	Planet f - transit 3	NIRISS Single-Object Slitless Spectroscopy	(12) TRAPPIST-1
	104	Planet f - transit 4	NIRISS Single-Object Slitless Spectroscopy	(12) TRAPPIST-1
	105	Planet f - transit 5	NIRISS Single-Object Slitless Spectroscopy	(12) TRAPPIST-1
	111	Planet d - transit 1	NIRSpec Bright Object Time Series	(12) TRAPPIST-1
	112	Planet d - transit 1	NIRSpec Bright Object Time Series	(12) TRAPPIST-1
GJ 357				
	201	transit	NIRISS Single-Object Slitless Spectroscopy	(18) GJ-357
L98-59				
	301	transit c	NIRISS Single-Object Slitless Spectroscopy	(19) L-98-59
	302	transit c	NIRISS Single-Object Slitless Spectroscopy	(19) L-98-59
	311	transit d	NIRISS Single-Object Slitless Spectroscopy	(19) L-98-59

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
LP 791-18				
	401	Transit	NIRSpec Bright Object Time Series	(21) LP-791-18
WASP-52 repeat				
	501	transit	NIRISS Single-Object Slitless Spectroscopy	(17) WASP-52

ABSTRACT

We will use NIRISS SOSS to acquire transit and eclipse observations of a sample of 14 exoplanets that span the full available range of equilibrium temperatures (300-3000 K) and masses (1 MEarth-10 MJup) for planets amenable to atmospheric characterization. Our observations will measure the abundance of the molecules and aerosols present in the exoplanets' atmosphere and determine the vertical temperature structure of the hottest targets. These results will allow us to address fundamental issues such as the formation process and formation location of these close-in planets, the presence and characteristics of particulate clouds, and non-equilibrium chemistry effects that might be at play in their atmosphere. Six of our targets are rocky and for these we intend to place some of the first constraints on the mean molecular weight – and hence bulk composition – of their atmospheres. In particular, we will observe multiple transits of the potentially habitable earth-like planets TRAPPIST-1 d & f, aiming to make the first detection of the atmosphere of a habitable planet. Finally, for two targets, WASP-121b and LTT 9779b, we will acquire observations continuously throughout a full orbital period to constrain their temperature-pressure profile as a function of longitude and study how heat is absorbed and redistributed in their atmosphere.

OBSERVING DESCRIPTION

Our targets, numbers of visits, and the types of events observed are given below. Unless otherwise noted, the observations are done with NIRISS SOSS.

WASP-121b (full phase curve including 2 eclipses)
LTT 9779b (full phase curve including 2 eclipses)

HAT-P-1b (one transit, one eclipse)
WASP-52b (one transit)
WASP-127b (one transit)

WASP-80b (one eclipse)

WASP-107b (one transit with SOSS, one eclipse with NIRSpec F290LP/G395H)
GJ-3470b (one eclipse with NIRSPEC)

TRAPPIST-1d (2 transits with NIRSpec prism)
TRAPPIST-1f (5 transits)
GJ 357b (one transit)
L98-59c (one transit)
L98-59d (one transit)
LP 791-18c (one transit with NIRSPEC prism)

Being slitless, the NIRISS SOSS mode is subject to contamination from overlapping spectra of other stars in the NIRISS field of view. The level and detail of such contamination vary with the aperture position angle (APA) of the observation, and it is thus important to execute our observation at an appropriate APA to eliminate this contamination. For all of our observations we have used our contamination prediction tool to determine the range of allowed APA that would ensure that there would be no significant contamination of our target spectrum.

All of our observations are tied to exoplanet transit events and thus have timing constraints in the form of a phase constraint (or "between dates" for TRAPPIST-1 planets). We have allowed a timing window of >60 min to schedule the start of each observation.

The target TRAPPIST-1 is the only exception departing from the phase constraint, as dynamical interaction between its multiple planets lead to non-periodic timing of the transit events, such that a phase constraint is inappropriate. For this target, we have thus used "between dates" timing constraints based on the actual transit times predicted from the full multi-planet dynamical model. In addition, SOSS observations of TRAPPIST-1 are significantly affected by contamination from field stars at all available PA’s during its late Nov – early Jan visibility window, and thus TRAPPIST-1 can be observed with SOSS only during its June – July visibility window.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	WASP-121	RA: 07 10 24.0555 (107.6002313d) Dec: -39 05 50.17 (-39.09727d) Equinox: J2000	Proper Motion RA: -3.2084467892849527E-4 sec of time/yr Proper Motion Dec: 0.025663000000000002 arcsec/yr Parallax: 0.0037996" Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanet Systems]* *Extended=NO*				
(3)	HAT-P-1	RA: 22 57 45.9200 (344.4413333d) Dec: +38 40 27.20 (38.67422d) Equinox: J2000	Proper Motion RA: 31.877 mas/yr Proper Motion Dec: -41.924 mas/yr Parallax: 0.00621" Epoch of Position: 2000	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanets]* *Extended=NO*				
(5)	WASP-80	RA: 20 12 40.0319 (303.1667996d) Dec: -02 08 39.97 (-2.14444d) Equinox: J2000	Proper Motion RA: -0.00886707651597676 sec of time/yr Proper Motion Dec: -0.050683000017670565 arcsec/yr Parallax: 0.02011" Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanets]* *Extended=NO*				
(6)	WASP-107	RA: 12 33 32.7426 (188.3864275d) Dec: -10 08 46.37 (-10.14621d) Equinox: J2000	Proper Motion RA: -0.006546714714446169 sec of time/yr Proper Motion Dec: -0.009371999931317987 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanets]* *Extended=NO*				
(8)	GJ-3470	RA: 07 59 5.6405 (119.7735021d) Dec: +15 23 28.35 (15.39121d) Equinox: J2000	Proper Motion RA: -0.012840925177199394 sec of time/yr Proper Motion Dec: -0.05693999991954124 arcsec/yr Parallax: 0.034" Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanets]* *Extended=NO*				
(12)	TRAPPIST-1	RA: 23 06 30.3652 (346.6265217d) Dec: -05 02 36.70 (-5.04353d) Equinox: J2000	Proper Motion RA: 930.788 mas/yr Proper Motion Dec: -479.038 mas/yr Parallax: 0.0802123" Epoch of Position: 2016	
Comments: From GAIA DR3 *Category=Star* *Description=[Exoplanets]* *Extended=NO*				

(13)	ACQ-STAR-FOR-WASP-107	RA: 12 33 31.0514 (188.3793808d) Dec: -10 09 15.04 (-10.15418d) Equinox: J2000	Proper Motion RA: 0 mas/yr Proper Motion Dec: 0 mas/yr Parallax: 0" Epoch of Position: 2016.0
Comments: GAIA DR3 coord *Category=Star* *Description=[K stars]* *Extended=NO*			
(16)	LTT-9779	RA: 23 54 40.5304 (358.6688767d) Dec: -37 37 41.61 (-37.62822d) Equinox: J2000	Proper Motion RA: 0.020843303178745425 sec of time/yr Proper Motion Dec: -0.06980099994962075 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanet Systems]* *Extended=NO*			
(17)	WASP-52	RA: 23 13 58.7504 (348.4947933d) Dec: +08 45 39.89 (8.76108d) Equinox: J2000	Proper Motion RA: -4.66374960997682 94E-4 sec of time/yr Proper Motion Dec: -0.04424799992648332 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanet Systems, Exoplanets]*			
(18)	GJ-357	RA: 09 36 1.7915 (144.0074646d) Dec: -21 39 54.23 (-21.66506d) Equinox: J2000	Proper Motion RA: 0.009951100421136574 sec of time/yr Proper Motion Dec: -0.9903420000227925 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanet Systems, Exoplanets]*			
(19)	L-98-59	RA: 08 18 7.8865 (124.5328604d) Dec: -68 18 52.08 (-68.31447d) Equinox: J2000	Proper Motion RA: 0.017097678098934456 sec of time/yr Proper Motion Dec: -0.34046999996917293 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanet Systems, Exoplanets]*			
(20)	WASP-127	RA: 10 42 14.1035 (160.5587646d) Dec: -03 50 6.00 (-3.83500d) Equinox: J2000	Proper Motion RA: 0.0012844762003568792 sec of time/yr Proper Motion Dec: 0.017026 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanet Systems, Exoplanets]*			

	(21)	LP-791-18	RA: 11 02 45.7162 (165.6904842d) Dec: -16 24 23.20 (-16.40644d) Equinox: J2000	Proper Motion RA: -0.015378929327993422 sec of time/yr Proper Motion Dec: -0.058840999963649665 arcsec/yr Parallax: 0.03752" Epoch of Position: 2015.5
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[Exoplanet Systems, Exoplanets]* *Extended=NO*			
	(22)	ACQ-STAR-FOR-GJ3470	RA: 07 59 6.4067 (119.7766946d) Dec: +15 24 57.44 (15.41596d) Equinox: J2000	Proper Motion RA: -9.359 mas/yr Proper Motion Dec: -3.472 mas/yr Parallax: 0.0009138" Epoch of Position: 2016.
	Comments: GAIA DR3 coordinates *Category=Star* *Description=[K dwarfs]* *Extended=NO*			
	(23)	HATP1	RA: 22 57 46.8872 (344.4453633d) Dec: +38 40 29.71 (38.67492d) Equinox: J2000	Proper Motion RA: 0.002768612151740113 sec of time/yr Proper Motion Dec: -0.04194900002403301 arcsec/yr Epoch of Position: 2015.5
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. *Category=Star* *Description=[G stars]*			

Observation

Proposal 1201, Observation 1: Phase curve

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(Phase curve (Obs 1)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 1:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(1)	WASP-121	RA: 07 10 24.0555 (107.6002313d) Dec: -39 05 50.17 (-39.09727d) Equinox: J2000	Proper Motion RA: -3.2084467892849527E-4 sec of time/yr Proper Motion Dec: 0.025663000000000002 arcsec/yr Parallax: 0.0037996" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	6	3452	1	3452	132827.713	55076

Special Requirements	
	Phase 0.936453 to 0.952821 with period 2.549851 Days and zero-phase 2456636.3457828 HJD Aperture PA Range 287 to 290 Degrees (V3 286.43873283 to 289.43873283) Time Series Observation No Parallel Attachments

Observation

Proposal 1201, Observation 2: phase curve

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(phase curve (Obs 2)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(16)	LTT-9779	RA: 23 54 40.5304 (358.6688767d) Dec: -37 37 41.61 (-37.62822d) Equinox: J2000	Proper Motion RA: 0.020843303178745425 sec of time/yr Proper Motion Dec: -0.06980099994962075 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSBRIGHT	F480M	NISRAPID	13	1	1	0.657	55076.23

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	true

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	2	4790	1	4790	79046.879	55076.24
2	NISRAPID	2	10	1	10	165.025	

Special Requirements

Phase 0.936126 to 0.962472 with period 1.58414044 Days and zero-phase 2458783.912395 HJD
Aperture PA Range 60 to 70 Degrees (V3 59.43873283 to 69.43873283)
Aperture PA Range 235 to 260 Degrees (V3 234.43873283 to 259.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 3: Primary transit

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(Primary transit (Obs 3)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 3:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(23)	HATP1	RA: 22 57 46.8872 (344.4453633d) Dec: +38 40 29.71 (38.67492d) Equinox: J2000	Proper Motion RA: 0.002768612151740113 sec of time/yr Proper Motion Dec: -0.04194900002403301 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[G stars]

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	true

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	4	823	1	823	22624.665	55076
2	NISRAPID	4	10	1	10	274.905	

Special Requirements

Phase 0.964059 to 0.973406 with period 4.46529976 Days and zero-phase 2453979.93204 HJD
Aperture PA Range 228 to 228 Degrees (V3 227.43873283 to 227.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 4: Secondary eclipse

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(Secondary eclipse (Obs 4)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 4:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(3)	HAT-P-1	RA: 22 57 45.9200 (344.4413333d) Dec: +38 40 27.20 (38.67422d) Equinox: J2000	Proper Motion RA: 31.877 mas/yr Proper Motion Dec: -41.924 mas/yr Parallax: 0.00621" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	true

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	4	823	1	823	22624.665	55076
2	NISRAPID	4	10	1	10	274.905	

Special Requirements

Phase 0.964059 to 0.973406 with period 4.46529976 Days and zero-phase 2453982.1646899 HJD
Aperture PA Range 228 to 228 Degrees (V3 227.43873283 to 227.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 5: transit

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(transit (Obs 5)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 5:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(17)	WASP-52	RA: 23 13 58.7504 (348.4947933d) Dec: +08 45 39.89 (8.76108d) Equinox: J2000	Proper Motion RA: -4.6637496099768294E-4 sec of time/yr Proper Motion Dec: -0.04424799992648332 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems, Exoplanets]

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	true

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	15	182	1	182	16002.255	55076
2	NISRAPID	15	10	1	10	879.245	

Special Requirements

Phase 0.929088 to 0.952940 with period 1.7497798 Days and zero-phase 2455793.68143 HJD
Aperture PA Range 61 to 66 Degrees (V3 60.43873283 to 65.43873283)
Aperture PA Range 228 to 251 Degrees (V3 227.43873283 to 250.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 6: transit

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(transit (Obs 6)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 6:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	WASP-127	RA: 10 42 14.1035 (160.5587646d) Dec: -03 50 6.00 (-3.83500d) Equinox: J2000	Proper Motion RA: 0.0012844762003568792 sec of time/yr Proper Motion Dec: 0.017026 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems, Exoplanets]

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	3	1411	1	1411	31037.033	55076

Special Requirements

Phase 0.947048 to 0.957037 with period 4.178062 Days and zero-phase 2457248.74131 HJD
Aperture PA Range 287 to 290 Degrees (V3 286.43873283 to 289.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 7: eclipse

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(eclipse (Obs 7)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(5)	WASP-80	RA: 20 12 40.0319 (303.1667996d) Dec: -02 08 39.97 (-2.14444d) Equinox: J2000	Proper Motion RA: -0.00886707651597676 sec of time/yr Proper Motion Dec: -0.050683000017670565 arcsec/yr Parallax: 0.02011" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	4	668	1	668	18363.641	55076

Special Requirements	
	Phase 0.955189 to 0.968794 with period 3.06785234 Days and zero-phase 2456488.9586597 HJD Aperture PA Range 68 to 73 Degrees (V3 67.43873283 to 72.43873283) Time Series Observation No Parallel Attachments

Observation

Proposal 1201, Observation 8: Primary transit

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(Primary transit (Obs 8)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	WASP-107	RA: 12 33 32.7426 (188.3864275d) Dec: -10 08 46.37 (-10.14621d) Equinox: J2000	Proper Motion RA: -0.006546714714446169 sec of time/yr Proper Motion Dec: -0.009371999931317987 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	5	678	1	678	22363.477	55076

Special Requirements

Phase 0.972512 to 0.979807 with period 5.7214742 Days and zero-phase 2457584.329897 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 9: eclipse NIRSPEC

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Bright Object Time Series

Diagnostics

(eclipse NIRSPEC (Obs 9)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	WASP-107	RA: 12 33 32.7426 (188.3864275d) Dec: -10 08 46.37 (-10.14621d) Equinox: J2000	Proper Motion RA: -0.006546714714446169 sec of time/yr Proper Motion Dec: -0.009371999931317987 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	13 ACQ-STAR-FOR-WASP-107	WATA	SUB32	CLEAR	NRSRAPID	3	1	1	0.08	55076

Template

Subarray
SUB2048

Spectral Elements

#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	NRSRAPID	20	1600	1	1	1600	30339.968	55076

Special Requirements

Phase 0.9684541939229837 to 0.9757491758822955 with period 5.72148836 Days and zero-phase 2458577.341660712 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 502: eclipse NIRSPEC (repeat)

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Bright Object Time Series

Diagnostics

(eclipse NIRSPEC (repeat) (Obs 502)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 502:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(6)	WASP-107	RA: 12 33 32.7426 (188.3864275d) Dec: -10 08 46.37 (-10.14621d) Equinox: J2000	Proper Motion RA: -0.006546714714446169 sec of time/yr Proper Motion Dec: -0.009371999931317987 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	13 ACQ-STAR-FOR-WASP-107	WATA	SUB2048	CLEAR	NRSRAPID	3	1	1	3.628	55076

Template

Subarray
SUB2048

Spectral Elements

#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395M/F290LP	NRSRAPID	6	4789	1	1	4789	30335.825	202443

Special Requirements

Phase 0.9656648408116253 to 0.9729598216489243 with period 5.72148836 Days and zero-phase 2458577.0968174366 HJD
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 10: eclipse

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Bright Object Time Series

Diagnostics

(eclipse (Obs 10)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(eclipse (Obs 10)) Warning (Form): The slew between the acquisition exposure and the farthest science exposure is 90.496 Arcsec (larger than the recommended limit of 60.000 Arcsec) and may result in reduced or no schedulability. See more information in the diagnostic browser.

(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(8)	GJ-3470	RA: 07 59 5.6405 (119.7735021d) Dec: +15 23 28.35 (15.39121d) Equinox: J2000	Proper Motion RA: -0.012840925177199394 sec of time/yr Proper Motion Dec: -0.05699399991954124 arcsec/yr Parallax: 0.034" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	22 ACQ-STAR-FOR-GJ3470	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	55076

Template

Subarray
SUB2048

Spectral Elements

#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	G395H/F290LP	NRSRAPID	10	1675	1	1	1675	16653.654	55076

Special Requirements	
	Phase 0.961766 to 0.974274 with period 3.33665191 Days and zero-phase 2456092.145336 HJD Time Series Observation No Parallel Attachments

Observation

Proposal 1201, Observation 101: Planet f - transit 1

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(Planet f - transit 1 (Obs 101)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.
(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.
(Visit 101:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	TRAPPIST-1	RA: 23 06 30.3652 (346.6265217d) Dec: -05 02 36.70 (-5.04353d) Equinox: J2000	Proper Motion RA: 930.788 mas/yr Proper Motion Dec: -479.038 mas/yr Parallax: 0.0802123" Epoch of Position: 2016	

Comments: From GAIA DR3
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	12 TRAPPIST-1	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	18	121	1	121	12633.184	55076

Special Requirements

Between Dates 28-OCT-2022:10:14:49 and 28-OCT-2022:11:14:55
Between Dates 24-JUN-2023:18:42:08 and 24-JUN-2023:19:42:14
Aperture PA Range 73 to 73 Degrees (V3 72.43873283 to 72.43873283)
Aperture PA Range 241 to 243 Degrees (V3 240.43873283 to 242.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 102: Planet f - transit 2

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(Planet f - transit 2 (Obs 102)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 102:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	TRAPPIST-1	RA: 23 06 30.3652 (346.6265217d) Dec: -05 02 36.70 (-5.04353d) Equinox: J2000	Proper Motion RA: 930.788 mas/yr Proper Motion Dec: -479.038 mas/yr Parallax: 0.0802123" Epoch of Position: 2016	

Comments: From GAIA DR3
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	12 TRAPPIST-1	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	18	121	1	121	12633.184	55076

Special Requirements

Between Dates 06-NOV-2022:15:09:45 and 06-NOV-2022:16:09:51
Between Dates 03-JUL-2023:23:38:55 and 04-JUL-2023:00:39:01
Aperture PA Range 73 to 73 Degrees (V3 72.43873283 to 72.43873283)
Aperture PA Range 241 to 242 Degrees (V3 240.43873283 to 241.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 103: Planet f - transit 3

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Comments: This particular transit of planet f is preceded by a transit of planet c which ends just 3 minutes before the start of the transit of planet f.

This is the only other possiblity of observation of planet f that satisfies all constraints, besides the other four possibilities provided above.

This observation will catch both transits, and the duration was extended by 40 min compared the the previous 4 transits of f to ensure a proper baseline is obtained.

Diagnostics

(Planet f - transit 3 (Obs 103)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 103:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	TRAPPIST-1	RA: 23 06 30.3652 (346.6265217d) Dec: -05 02 36.70 (-5.04353d) Equinox: J2000	Proper Motion RA: 930.788 mas/yr Proper Motion Dec: -479.038 mas/yr Parallax: 0.0802123" Epoch of Position: 2016	

Comments: From GAIA DR3
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	12 TRAPPIST-1	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	18	121	1	121	12633.184	55076

Special Requirements	
	Between Dates 15-NOV-2022:20:23:19 and 15-NOV-2022:21:23:25 Between Dates 22-JUL-2023:09:31:36 and 22-JUL-2023:10:31:42 Aperture PA Range 73 to 73 Degrees (V3 72.43873283 to 72.43873283) Aperture PA Range 241 to 241 Degrees (V3 240.43873283 to 240.43873283) Time Series Observation No Parallel Attachments

Observation

Proposal 1201, Observation 104: Planet f - transit 4

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(Planet f - transit 4 (Obs 104)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 104:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	TRAPPIST-1	RA: 23 06 30.3652 (346.6265217d) Dec: -05 02 36.70 (-5.04353d) Equinox: J2000	Proper Motion RA: 930.788 mas/yr Proper Motion Dec: -479.038 mas/yr Parallax: 0.0802123" Epoch of Position: 2016	

Comments: From GAIA DR3
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	12 TRAPPIST-1	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	18	121	1	121	12633.184	55076

Special Requirements

Between Dates 25-NOV-2022:01:19:03 and 25-NOV-2022:02:19:09
Between Dates 06-JUN-2023:08:55:17 and 06-JUN-2023:09:55:23
Between Dates 24-JUN-2023:18:42:08 and 24-JUN-2023:19:42:14
Aperture PA Range 73 to 73 Degrees (V3 72.43873283 to 72.43873283)
Aperture PA Range 241 to 243 Degrees (V3 240.43873283 to 242.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 105: Planet f - transit 5

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(Planet f - transit 5 (Obs 105)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.
(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.
(Visit 105:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	TRAPPIST-1	RA: 23 06 30.3652 (346.6265217d) Dec: -05 02 36.70 (-5.04353d) Equinox: J2000	Proper Motion RA: 930.788 mas/yr Proper Motion Dec: -479.038 mas/yr Parallax: 0.0802123" Epoch of Position: 2016	

Comments: From GAIA DR3
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	12 TRAPPIST-1	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	18	121	1	121	12633.184	55076

Special Requirements

Between Dates 04-DEC-2022:06:17:02 and 04-DEC-2022:07:17:08
Between Dates 15-JUN-2023:13:50:48 and 15-JUN-2023:14:50:54
Aperture PA Range 72 to 73 Degrees (V3 71.43873283 to 72.43873283)
Aperture PA Range 241 to 243 Degrees (V3 240.43873283 to 242.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 111: Planet d - transit 1

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Bright Object Time Series

Diagnostics

(Planet d - transit 1 (Obs 111)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 111:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	TRAPPIST-1	RA: 23 06 30.3652 (346.6265217d) Dec: -05 02 36.70 (-5.04353d) Equinox: J2000	Proper Motion RA: 930.788 mas/yr Proper Motion Dec: -479.038 mas/yr Parallax: 0.0802123" Epoch of Position: 2016	

Comments: From GAIA DR3
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	55076

Template

Subarray
SUB512

Spectral Elements

#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	NRSRAPID	6	7200	1	1	7200	11545.92	55076

Special Requirements	Between Dates 08-JUN-2022:19:31:44 and 08-JUN-2022:20:31:50 Between Dates 12-JUN-2022:20:43:44 and 12-JUN-2022:21:43:50 Between Dates 20-JUN-2022:23:07:53 and 21-JUN-2022:00:07:59 Between Dates 25-JUN-2022:00:19:55 and 25-JUN-2022:01:20:01 Between Dates 29-JUN-2022:01:31:59 and 29-JUN-2022:02:32:05 Between Dates 03-JUL-2022:02:44:34 and 03-JUL-2022:03:44:40 Between Dates 07-JUL-2022:03:56:58 and 07-JUL-2022:04:57:04 Between Dates 11-JUL-2022:05:08:47 and 11-JUL-2022:06:08:53 Between Dates 15-JUL-2022:06:21:30 and 15-JUL-2022:07:21:36 Between Dates 19-JUL-2022:07:33:23 and 19-JUL-2022:08:33:29 Between Dates 28-OCT-2022:13:33:29 and 28-OCT-2022:14:33:35 Between Dates 01-NOV-2022:14:46:21 and 01-NOV-2022:15:46:27 Between Dates 05-NOV-2022:15:57:13 and 05-NOV-2022:16:57:19 Between Dates 09-NOV-2022:17:08:33 and 09-NOV-2022:18:08:39 Between Dates 13-NOV-2022:18:21:49 and 13-NOV-2022:19:21:55 Between Dates 21-NOV-2022:20:44:20 and 21-NOV-2022:21:44:26 Between Dates 25-NOV-2022:21:57:08 and 25-NOV-2022:22:57:14 Between Dates 29-NOV-2022:23:07:46 and 30-NOV-2022:00:07:52 Between Dates 04-DEC-2022:00:19:02 and 04-DEC-2022:01:19:08 Between Dates 08-DEC-2022:01:31:36 and 08-DEC-2022:02:31:42 Time Series Observation No Parallel Attachments

Observation

Proposal 1201, Observation 112: Planet d - transit 1

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Bright Object Time Series

Diagnostics

(Planet d - transit 1 (Obs 112)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 112:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(12)	TRAPPIST-1	RA: 23 06 30.3652 (346.6265217d) Dec: -05 02 36.70 (-5.04353d) Equinox: J2000	Proper Motion RA: 930.788 mas/yr Proper Motion Dec: -479.038 mas/yr Parallax: 0.0802123" Epoch of Position: 2016	

Comments: From GAIA DR3
Category=Star
Description=[Exoplanets]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	55076

Template

Subarray
SUB512

Spectral Elements

#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	NRSRAPID	6	7200	1	1	7200	11545.92	55076

Special Requirements	Between Dates 08-JUN-2022:19:31:44 and 08-JUN-2022:20:31:50 Between Dates 12-JUN-2022:20:43:44 and 12-JUN-2022:21:43:50 Between Dates 20-JUN-2022:23:07:53 and 21-JUN-2022:00:07:59 Between Dates 25-JUN-2022:00:19:55 and 25-JUN-2022:01:20:01 Between Dates 29-JUN-2022:01:31:59 and 29-JUN-2022:02:32:05 Between Dates 03-JUL-2022:02:44:34 and 03-JUL-2022:03:44:40 Between Dates 07-JUL-2022:03:56:58 and 07-JUL-2022:04:57:04 Between Dates 11-JUL-2022:05:08:47 and 11-JUL-2022:06:08:53 Between Dates 15-JUL-2022:06:21:30 and 15-JUL-2022:07:21:36 Between Dates 19-JUL-2022:07:33:23 and 19-JUL-2022:08:33:29 Between Dates 28-OCT-2022:13:33:29 and 28-OCT-2022:14:33:35 Between Dates 01-NOV-2022:14:46:21 and 01-NOV-2022:15:46:27 Between Dates 05-NOV-2022:15:57:13 and 05-NOV-2022:16:57:19 Between Dates 09-NOV-2022:17:08:33 and 09-NOV-2022:18:08:39 Between Dates 13-NOV-2022:18:21:49 and 13-NOV-2022:19:21:55 Between Dates 21-NOV-2022:20:44:20 and 21-NOV-2022:21:44:26 Between Dates 25-NOV-2022:21:57:08 and 25-NOV-2022:22:57:14 Between Dates 29-NOV-2022:23:07:46 and 30-NOV-2022:00:07:52 Between Dates 04-DEC-2022:00:19:02 and 04-DEC-2022:01:19:08 Between Dates 08-DEC-2022:01:31:36 and 08-DEC-2022:02:31:42 Time Series Observation No Parallel Attachments

Observation

Proposal 1201, Observation 201: transit

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(transit (Obs 201)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 201:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	GJ-357	RA: 09 36 1.7915 (144.0074646d) Dec: -21 39 54.23 (-21.66506d) Equinox: J2000	Proper Motion RA: 0.009951100421136574 sec of time/yr Proper Motion Dec: -0.9903420000227925 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems, Exoplanets]

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSBRIGHT	F480M	NISRAPID	19	1	1	0.93	55076.33

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP96	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	2	2201	1	2201	14664.118	55076.28

Special Requirements

Phase 0.969631 to 0.980249 with period 3.93086 Days and zero-phase 2458517.9994 HJD
Aperture PA Range 67 to 88 Degrees (V3 66.43873283 to 87.43873283)
Aperture PA Range 116 to 120 Degrees (V3 115.43873283 to 119.43873283)
Aperture PA Range 285 to 300 Degrees (V3 284.43873283 to 299.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 301: transit c

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(transit c (Obs 301)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 301:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	L-98-59	RA: 08 18 7.8865 (124.5328604d) Dec: -68 18 52.08 (-68.31447d) Equinox: J2000	Proper Motion RA: 0.017097678098934456 sec of time/yr Proper Motion Dec: -0.34046999996917293 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems, Exoplanets]

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	3	1	1	0.202	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP96	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	4	1229	1	1229	13630.2	55076

Special Requirements

Phase 0.969049 to 0.980357 with period 3.69062197 Days and zero-phase 2458367.2755 HJD
Aperture PA Range 322 to 335 Degrees (V3 321.43873283 to 334.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 302: transit c

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(transit c (Obs 302)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 302:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	L-98-59	RA: 08 18 7.8865 (124.5328604d) Dec: -68 18 52.08 (-68.31447d) Equinox: J2000	Proper Motion RA: 0.017097678098934456 sec of time/yr Proper Motion Dec: -0.34046999996917293 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems, Exoplanets]

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	3	1	1	0.202	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP96	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	4	1229	1	1229	13630.2	55076

Special Requirements

Phase 0.969049 to 0.980358 with period 3.6906777 Days and zero-phase 2458367.27375 HJD
Aperture PA Range 41 to 41 Degrees (V3 40.43873283 to 40.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 311: transit d

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(transit d (Obs 311)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 311:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	L-98-59	RA: 08 18 7.8865 (124.5328604d) Dec: -68 18 52.08 (-68.31447d) Equinox: J2000	Proper Motion RA: 0.017097678098934456 sec of time/yr Proper Motion Dec: -0.34046999996917293 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems, Exoplanets]

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	3	1	1	0.202	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP96	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	4	1101	1	1101	12210.618	55076

Special Requirements

Phase 0.985956 to 0.991558 with period 7.45085656 Days and zero-phase 2458362.7375 HJD
Aperture PA Range 322 to 335 Degrees (V3 321.43873283 to 334.43873283)
Time Series Observation
No Parallel Attachments

Observation

Proposal 1201, Observation 401: Transit

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRSpec Bright Object Time Series

Diagnostics

(Transit (Obs 401)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 401:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(21)	LP-791-18	RA: 11 02 45.7162 (165.6904842d) Dec: -16 24 23.20 (-16.40644d) Equinox: J2000	Proper Motion RA: -0.015378929327993422 sec of time/yr Proper Motion Dec: -0.058840999963649665 arcsec/yr Parallax: 0.03752" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems, Exoplanets]
Extended=NO

Acquisition

#	Target	TA Method	Subarray	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	WATA	SUB32	F110W	NRSRAPID	3	1	1	0.08	55076

Template

Subarray
SUB512

Spectral Elements

#	Grating/Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	PRISM/CLEAR	NRSRAPID	6	8175	1	1	8175	13109.43	55076

Special Requirements	
	Phase 0.977823 to 0.986187 with period 4.9899093 Days and zero-phase 2458771.055182 HJD Time Series Observation No Parallel Attachments

Observation

Proposal 1201, Observation 501: transit

Thu May 23 16:00:21 GMT 2024

Diagnostic Status: Warning

Observing Template: NIRISS Single-Object Slitless Spectroscopy

Diagnostics

(transit (Obs 501)) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Exposure) Warning (Form): Exposure Duration exceeds the limit of 10000.0 seconds. Above this limit it is possible that a High Gain Antenna move may occur during the exposure.

(Visit 501:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(17)	WASP-52	RA: 23 13 58.7504 (348.4947933d) Dec: +08 45 39.89 (8.76108d) Equinox: J2000	Proper Motion RA: -4.6637496099768294E-4 sec of time/yr Proper Motion Dec: -0.04424799992648332 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[Exoplanet Systems, Exoplanets]

Acquisition

#	Target	Acquisition Mode	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	SAME	SOSSFAINT	F480M	NISRAPID	19	1	1	0.93	55076

Template

Subarray	Include Short First Exposure and F277W Exposure?
SUBSTRIP256	false

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	NISRAPID	10	265	1	265	16020.437	

Special Requirements

Phase 0.929088 to 0.952940 with period 1.7497798 Days and zero-phase 2455793.68143 HJD
Aperture PA Range 61 to 66 Degrees (V3 60.43873283 to 65.43873283)
Aperture PA Range 228 to 251 Degrees (V3 227.43873283 to 250.43873283)
Time Series Observation
No Parallel Attachments