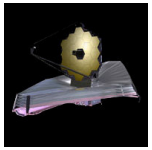

1215 - NIRSpec WIDE MOS Survey - UDS

Cycle: 1, Proposal Category: GTO

INVESTIGATORS

Name	*Institution*
Nora Luetzgendorf (PI) (ESA Member)	**Space Telescope Science Institute - ESA - JWST**
Dr. Bernd Husemann (CoI) (ESA Member) (Contact)	Max Planck Institute for Astronomy
Prof. Michael Maseda (CoI) (Contact)	University of Wisconsin - Madison
Dr. Santiago Arribas (CoI) (ESA Member) (Contact)	Consejo Superior de Investigaciones Cientificas
Prof. Roberto Maiolino (CoI) (ESA Member) (Contact)	University of Cambridge
Dr. Pierre Ferruit (CoI) (ESA Member)	ESA-European Space Astronomy Centre

OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
Observation Folder				
	15	HIMIKO	NIRSpec IFU Spectroscopy	(7) HIMIKO-F-6.60-L
	10	eMPT_2029	NIRSpec MultiObject Spectroscopy	(13) WIDE2029
	11	eMPT_2030	NIRSpec MultiObject Spectroscopy	(14) WIDE2030
	12	eMPT_2031	NIRSpec MultiObject Spectroscopy	(18) WIDE2031
	13	eMPT_2032	NIRSpec MultiObject Spectroscopy	(19) WIDE2032
	14	eMPT_2033	NIRSpec MultiObject Spectroscopy	(20) WIDE2033

ABSTRACT

This WIDE MOS survey lays out the widest-area portion of the NIRSpec MSA GTO galaxy evolution program, based on the premise that even the fastest (overhead-sensible) tiling of the sky opens up an observational discovery space that is unattainable by other means and scientifically compelling. The WIDE MOS survey will cover 31 pointings (5 in the UDS field) with the R100 prism (40min integration) and the high-resolution R2700 Band II & III grating settings (30 min integration each). This program will provide continuum spectra for all sources in the targeted

CANDELS fields with mF160W <24.0mag (AB) and z>2 (at R100 ~50 objects per field of view); emission line spectra (at R=100 and R2700 ~250 objects per field of view) for all objects with SED-expected H-emission lines fluxes > 10^-17 ergs/s/cm2 (corresponding to star formation rates of 6Msun/yr at z~3). The main science drivers are: 1) a survey of 1-5m stellar continua at 10x higher resolution than photometry affords, constraining and calibrating SFR's and stellar population ages, 2) a comprehensive 1-5m survey of emission lines, to characterize the emission line properties (SFR, excitation and possibly [Fe/H]) of galaxies (mostly at z>4), and 3) to systematically explore the population incidence of ionized gas outflows and kinematics of galaxies over a large range of properties and redshifts. This survey is also an excellent (and possibly rapid) legacy data set for follow-up by the GTO team and the community.

We propose JWST/NIRSpec observations of HIMIKO, one of the most luminous and extended Lyman-alpha emitting galaxy at z~6.6, as part of the NIRSpec IFU GTO galaxy assembly program.
Using NIRSpec in PRISM and G395H/F290LP IFU configurations, our main goals are: to spatially resolve the star formation activity and stellar spectral energy distribution, to map the ionised gas kinematics (i.e. velocity fields, /v) and compute the dynamical mass of the galaxy, as well as to identify non-virial motions (outflow and inflows) and probe spatially resolved ISM properties, including chemical abundances and metallicity gradients, and dust extinction.

OBSERVING DESCRIPTION

For MSA part:
Using JWST/NIRSpec we will observe hundreds of galaxies in the UDS survey field with 5 MSA pointings as part of the “Physics of Galaxy Assembly MSA survey” (Programme 1215, PI: P. Ferruit). Observations will be done in MSA mode with grating/filters PRISM, G235H/F170LP and G395H/F290LP. The observing strategy for the MSA currently consists of 3 nod in slits exposures for the PRISM and 2 nod in slits exposures for G235H and G395H grism. For PRISM and G235H we are taking a series of 11 groups of integrations and 12 groups for G395H. All exposures are taken in IRS2 readout mode. The MSA mask design will be reviewed once the V3 angle of JWST will be assigned to the program and the current mask are not yet representative at a freely chosen valid PA.

For IFU part:
Using JWST/NIRSpec we will observe HIMIKO, a bright and extended Lyman-alpha emitting galaxy at z~6.6, which corresponds to the program “Physics of Galaxy Assembly IFU survey” (Programme 1221, PI: P. Ferruit). Observations will be done in IFU mode with grating/filters PRISM and G395H/F290LP. Originally, the total exposure time allocated to this program was 6.61h. However, because HIMIKO’s coordinates are within few

arcminutes one of the pointings of the WIDE-UDS program (1215, PI: P. Ferruit), we decided to merge the two observations fixing the visibility PA for HIMIKO to that of the WIDE-UDS. This results in a reduced slew time for the combined observation of ~1770s, thus allowing to increase the total available time by ~0.25h for each program, for a total of 8.56h in the case of the IFU observation. Please note that the latter is the revised time allocated to this specific observation, which is higher than allocated in the previous submission as a consequence of a redistribution of the observing time within the Galaxy Assembly IFU programme to optimize the programme The chosen PA is selected to avoid two bright stars otherwise falling within the MSA during the IFU observation.

We do not use target acquisition as for the selected orient range there are GS in the Gaia catalogue that will therefore provide a pointing accuracy that is good enough for our purposes.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HIMIKO-F-6.60-L	RA: 02 17 57.5730 (34.4898875d) Dec: -05 08 44.70 (-5.14575d) Equinox: J2000		
Comments: *Category=Galaxy* *Description=[Emission line galaxies, High-redshift galaxies, Lyman-alpha galaxies, Primordial galaxies]* *Extended=YES*				
(13)	WIDE2029	RA: 02 18 13.8592 (34.5577467d) Dec: -05 10 22.25 (-5.17285d) Equinox: J2000		
Comments: *Description=[]*				
(14)	WIDE2030	RA: 02 17 48.6339 (34.4526412d) Dec: -05 10 13.35 (-5.17037d) Equinox: J2000		
Comments: *Description=[]*				
(18)	WIDE2031	RA: 02 17 47.0494 (34.4460392d) Dec: -05 14 27.45 (-5.24096d) Equinox: J2000		
Comments: *Description=[]*				
(19)	WIDE2032	RA: 02 17 27.8396 (34.3659983d) Dec: -05 10 20.64 (-5.17240d) Equinox: J2000		
Comments: *Description=[]*				
(20)	WIDE2033	RA: 02 17 11.8832 (34.2995133d) Dec: -05 13 43.92 (-5.22887d) Equinox: J2000		
Comments: *Description=[]*				

Observation

Proposal 1215, Observation 15: HIMIKO

Tue Jun 06 19:01:03 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

(Visit 15:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(7)	HIMIKO-F-6.60-L	RA: 02 17 57.5730 (34.4898875d) Dec: -05 08 44.70 (-5.14575d) Equinox: J2000		

Comments:
Category=Galaxy
Description=[Emission line galaxies, High-redshift galaxies, Lyman-alpha galaxies, Primordial galaxies]
Extended=YES

Template

TA Method
NONE

Dithers

#	Dither Type	Size	Starting Point	Number of Points	Points
1	CYCLING	MEDIUM	1	8	

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	NRSIRS2	31	1	false	true	NONE	8	8	18206.935	
2	PRISM/CLEAR	NRSIRS2RAPID	33	1	false	true	NONE	8	8	3968.178	
3	PRISM/CLEAR	NRSIRS2RAPID	33	1	true	false	NONE	1	1	496.022	

Special Requirements

Aperture PA Range 192.39297485 to 210.4 Degrees (V3 53.42044067 to 71.42746582)

Observation

Proposal 1215, Observation 10: eMPT_2029 Tue Jun 06 19:01:04 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#1) has 25 master background shutters affected by failed open or closed shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#1) has 30 primary slit traces affected by failed open shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#2) has 25 master background shutters affected by failed open or closed shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#2) has 30 primary slit traces affected by failed open shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#3) has 25 master background shutters affected by failed open or closed shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#3) has 30 primary slit traces affected by failed open shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#4) has 25 master background shutters affected by failed open or closed shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#4) has 30 primary slit traces affected by failed open shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#5) has 25 master background shutters affected by failed open or closed shutters.
(eMPT_2029 (Obs 10)) Warning (Form): Config shutter_mask (#5) has 30 primary slit traces affected by failed open shutters.
(Visit 10:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(13)	WIDE2029	RA: 02 18 13.8592 (34.5577467d) Dec: -05 10 22.25 (-5.17285d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	After Target ACQ	MSA Center	WIDE2029 (4857 sources)		jwst-nirspec-hr	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	2811	34.561816	-5.177050	23.770051956176758	1	3811	34.556305	-5.195871	25.178803091488266
1	3157	34.581379	-5.182842	25.228455104409363	1	3926	34.553967	-5.198457	23.835670471191406
1	3520	34.534329	-5.190027	25.177923548354023	1	3993	34.553540	-5.199500	25.024877577153678
1	3634	34.526503	-5.191976	24.944112590541515	1	4192	34.550579	-5.204053	25.2698176849635

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	After Target Acq	NRSIRS2	3	1	1	233.422

Spectral Elements

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	34.55206416666667 Degrees -5.182072222222246 Degrees	32.47189715080955			3	3	2450.934
2	2 (G235H/F170LP)	shutter_mask		34.55206416666667 Degrees -5.182072222222246 Degrees	32.47189019836867		1.0	1	1	816.978
3	2 (G235H/F170LP)	shutter_mask		34.55206416666667 Degrees -5.182072222222246 Degrees	32.47190410382988		-1.0	1	1	816.978
4	3 (G395H/F290LP)	shutter_mask		34.55206416666667 Degrees -5.182072222222246 Degrees	32.47190410382988		-1.0	1	1	889.922
5	3 (G395H/F290LP)	shutter_mask		34.55206416666667 Degrees -5.182072222222246 Degrees	32.47189019836867		1.0	1	1	889.922

Special Requirements

MSA Scheduled Aperture PA 32.4714 to 32.4714 Degrees (V3 253.89688 to 253.89688)

Observation

Proposal 1215, Observation 11: eMPT_2030 Tue Jun 06 19:01:04 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#1) has 26 master background shutters affected by failed open or closed shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#1) has 33 primary slit traces affected by failed open shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#2) has 26 master background shutters affected by failed open or closed shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#2) has 33 primary slit traces affected by failed open shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#3) has 26 master background shutters affected by failed open or closed shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#3) has 33 primary slit traces affected by failed open shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#4) has 26 master background shutters affected by failed open or closed shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#4) has 33 primary slit traces affected by failed open shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#5) has 26 master background shutters affected by failed open or closed shutters.
(eMPT_2030 (Obs 11)) Warning (Form): Config shutter_mask (#5) has 33 primary slit traces affected by failed open shutters.
(Visit 11:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(14)	WIDE2030	RA: 02 17 48.6339 (34.4526412d) Dec: -05 10 13.35 (-5.17037d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 3 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	After Target ACQ	MSA Center	WIDE2030 (6522 sources)		jwst-nirspec-hr	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	2424	34.464158	-5.158509	24.64226531982422	1	4581	34.432418	-5.185308	23.307392120361328
1	3372	34.481341	-5.170056	25.17677366498731	1	5192	34.447567	-5.192987	25.287184626359533
1	3718	34.418313	-5.174514	25.3528502625835	1	5359	34.463373	-5.195048	24.86228376129451
1	4407	34.458781	-5.182803	25.242502212524414	1	5489	34.454083	-5.196835	24.980319273300942

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	After Target Acq	NRSIRS2	3	1	1	233.422

Spectral Elements

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	34.450109999999995 Degrees -5.168958333333308 Degrees	32.44703239719822			3	3	2450.934
2	2 (G235H/F170LP)	shutter_mask		34.450109999999995 Degrees -5.168958333333308 Degrees	32.44702546782827 6		1.0	1	1	816.978
3	2 (G235H/F170LP)	shutter_mask		34.450109999999995 Degrees -5.168958333333308 Degrees	32.44703932714551		-1.0	1	1	816.978
4	3 (G395H/F290LP)	shutter_mask		34.450109999999995 Degrees -5.168958333333308 Degrees	32.44703932714551		-1.0	1	1	889.922
5	3 (G395H/F290LP)	shutter_mask		34.450109999999995 Degrees -5.168958333333308 Degrees	32.44702546782827 6		1.0	1	1	889.922

Special Requirements

MSA Scheduled Aperture PA 32.4468 to 32.4468 Degrees (V3 253.87221 to 253.87221)

Observation

Proposal 1215, Observation 12: eMPT_2031 Tue Jun 06 19:01:04 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#1) has 27 primary slit traces affected by failed open shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#1) has 37 master background shutters affected by failed open or closed shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#2) has 27 primary slit traces affected by failed open shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#2) has 37 master background shutters affected by failed open or closed shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#3) has 27 primary slit traces affected by failed open shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#3) has 37 master background shutters affected by failed open or closed shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#4) has 27 primary slit traces affected by failed open shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#4) has 37 master background shutters affected by failed open or closed shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#5) has 27 primary slit traces affected by failed open shutters.

(eMPT_2031 (Obs 12)) Warning (Form): Config shutter_mask (#5) has 37 master background shutters affected by failed open or closed shutters.

(Visit 12:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(18)	WIDE2031	RA: 02 17 47.0494 (34.4460392d) Dec: -05 14 27.45 (-5.24096d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	After Target ACQ	MSA Center	WIDE2031 (7272 sources)		jwst-nirspec-hr	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	1148	34.452610	-5.274687	24.882515188264616	1	6136	34.437584	-5.232229	25.28247451712155
1	1577	34.458018	-5.253763	25.113920307361177	1	6236	34.454737	-5.278081	24.265079498291016
1	1806	34.426510	-5.255764	25.28264925219474	1	6440	34.433952	-5.235369	23.629098892211914
1	5740	34.442219	-5.228228	25.310938373173272	1	6956	34.469455	-5.239866	25.638618068533283

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	After Target Acq	NRSIRS2	3	1	1	233.422

Spectral Elements

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	34.449272083333334 Degrees -5.258108333333325 Degrees	32.428167871108336			3	3	2450.934
2	2 (G235H/F170LP)	shutter_mask		34.449272083333334 Degrees -5.258108333333325 Degrees	32.42816082181398		1.0	1	1	816.978
3	2 (G235H/F170LP)	shutter_mask		34.449272083333334 Degrees -5.258108333333325 Degrees	32.42817492099031		-1.0	1	1	816.978
4	3 (G395H/F290LP)	shutter_mask		34.449272083333334 Degrees -5.258108333333325 Degrees	32.42817492099031		-1.0	1	1	889.922
5	3 (G395H/F290LP)	shutter_mask		34.449272083333334 Degrees -5.258108333333325 Degrees	32.42816082181398		1.0	1	1	889.922

Special Requirements

MSA Scheduled Aperture PA 32.4285 to 32.4285 Degrees (V3 253.85394 to 253.85394)

Observation

Proposal 1215, Observation 13: eMPT_2032 Tue Jun 06 19:01:04 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#1) has 30 primary slit traces affected by failed open shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#1) has 33 master background shutters affected by failed open or closed shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#2) has 30 primary slit traces affected by failed open shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#2) has 33 master background shutters affected by failed open or closed shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#3) has 30 primary slit traces affected by failed open shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#3) has 33 master background shutters affected by failed open or closed shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#4) has 30 primary slit traces affected by failed open shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#4) has 33 master background shutters affected by failed open or closed shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#5) has 30 primary slit traces affected by failed open shutters.

(eMPT_2032 (Obs 13)) Warning (Form): Config shutter_mask (#5) has 33 master background shutters affected by failed open or closed shutters.

(Visit 13:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(19)	WIDE2032	RA: 02 17 27.8396 (34.3659983d) Dec: -05 10 20.64 (-5.17240d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	After Target ACQ	MSA Center	WIDE2032 (7331 sources)		jwst-nirspec-hr	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	1683	34.340349	-5.146745	24.214130401611328	1	4441	34.338717	-5.178873	25.213032569854576
1	2468	34.373860	-5.156583	23.73160743713379	1	4591	34.343590	-5.180840	23.233346939086914
1	3068	34.366087	-5.163297	25.175212968423196	1	5158	34.373426	-5.186943	25.004013061523438
1	3725	34.340282	-5.170831	24.357450485229492	1	5262	34.362270	-5.188250	24.890703289979438

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	After Target Acq	NRSIRS2	3	1	1	233.422

Spectral Elements

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	34.35706999999999 Degrees -5.166636111111131 Degrees	32.43152157632904			3	3	2450.934
2	2 (G235H/F170LP)	shutter_mask		34.35706999999999 Degrees -5.166636111111131 Degrees	32.43151465321588		1.0	1	1	816.978
3	2 (G235H/F170LP)	shutter_mask		34.35706999999999 Degrees -5.166636111111131 Degrees	32.43152850001899		-1.0	1	1	816.978
4	3 (G395H/F290LP)	shutter_mask		34.35706999999999 Degrees -5.166636111111131 Degrees	32.43152850001899		-1.0	1	1	889.922
5	3 (G395H/F290LP)	shutter_mask		34.35706999999999 Degrees -5.166636111111131 Degrees	32.43151465321588		1.0	1	1	889.922

Special Requirements

MSA Scheduled Aperture PA 32.4307 to 32.4307 Degrees (V3 253.8561 to 253.8561)

Observation

Proposal 1215, Observation 14: eMPT_2033 Tue Jun 06 19:01:04 GMT 2023

Diagnostic Status: Warning

Observing Template: NIRSpec MultiObject Spectroscopy

Diagnostics

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#1) has 24 primary slit traces affected by failed open shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#1) has 52 master background shutters affected by failed open or closed shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#2) has 24 primary slit traces affected by failed open shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#2) has 52 master background shutters affected by failed open or closed shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#3) has 24 primary slit traces affected by failed open shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#3) has 52 master background shutters affected by failed open or closed shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#4) has 24 primary slit traces affected by failed open shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#4) has 52 master background shutters affected by failed open or closed shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#5) has 24 primary slit traces affected by failed open shutters.

(eMPT_2033 (Obs 14)) Warning (Form): Config shutter_mask (#5) has 52 master background shutters affected by failed open or closed shutters.

(Visit 14:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(20)	WIDE2033	RA: 02 17 11.8832 (34.2995133d) Dec: -05 13 43.92 (-5.22887d) Equinox: J2000		

Comments:
Description=[]

Acquisition

#	Reference Star Bin	Target	Filter	MSA Configuration	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	Filter: CLEAR; Readout: NRSRAPIDD6; 8 sources in 4 quads; [Optimal TA Accuracy]	SAME	CLEAR	Auto Acq MSA Config	NRSRAPIDD6	3	1	4	687.153	

Template

TA Method	Obtain Confirmation Images	Science Aperture	Primary Candidate List	Filler Candidate List	Spectral Overlap Map	Spectral Overlap Threshold
MSATA	After Target ACQ	MSA Center	WIDE2033 (6547 sources)		jwst-nirspec-hr	1.5

Reference Stars

Visit	ID	RA	Dec	Magnitude	Visit	ID	RA	Dec	Magnitude
1	552	34.257555	-5.244499	25.3766702750658	1	4291	34.276453	-5.216110	25.2862565332777
1	1683	34.292543	-5.260847	25.362482732269033	1	4432	34.299443	-5.217511	25.32652704175598
1	1918	34.272871	-5.264466	24.86517360397888	1	4817	34.307548	-5.221790	24.786406335837853
1	4019	34.256272	-5.213049	23.804012298583984	1	4841	34.298743	-5.222090	25.332643082608442

Confirmation

#	Confirmation Type	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time
1	After Target Acq	NRSIRS2	3	1	1	233.422

Spectral Elements

#	Exposure Specification	MSA Configuration	Nod Pattern	Pointing	Aperture PA	Dispersion Offset (Shutters)	Cross-Dispersion Offset (Shutters)	Total Dithers	Total Integrations	Total Exposure Time
1	1 (PRISM/CLEAR)	shutter_mask	3 Shutter Slitlet	34.27673291666667 Degrees - 5.235047222222249 Degrees	32.41327814955338			3	3	2450.934
2	2 (G235H/F170LP)	shutter_mask		34.27673291666667 Degrees - 5.235047222222249 Degrees	32.413271135192936		1.0	1	1	816.978
3	2 (G235H/F170LP)	shutter_mask		34.27673291666667 Degrees - 5.235047222222249 Degrees	32.41328516449831		-1.0	1	1	816.978
4	3 (G395H/F290LP)	shutter_mask		34.27673291666667 Degrees - 5.235047222222249 Degrees	32.41328516449831		-1.0	1	1	889.922
5	3 (G395H/F290LP)	shutter_mask		34.27673291666667 Degrees - 5.235047222222249 Degrees	32.413271135192936		1.0	1	1	889.922

Special Requirements

MSA Scheduled Aperture PA 32.4112 to 32.4112 Degrees (V3 253.83661 to 253.83661)