



15077 - Accurate Emission Line Diagnostics at High Redshift

Cycle: 25, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) DEEP2-13016475	WFC3/IR	1	18-Sep-2017 16:03:52.0	yes
02	(2) DEEP2-13043682	WFC3/IR	1	18-Sep-2017 16:03:53.0	yes
03	(3) DEEP2-13043716	WFC3/IR	1	18-Sep-2017 16:03:54.0	yes
04	(4) DEEP2-14018918	WFC3/IR	1	18-Sep-2017 16:03:55.0	yes
05	(5) DEEP2-21021292	WFC3/IR	1	18-Sep-2017 16:03:56.0	yes
06	(6) DEEP2-21027858	WFC3/IR	1	18-Sep-2017 16:03:57.0	yes
07	(7) DEEP2-22020856	WFC3/IR	1	18-Sep-2017 16:03:58.0	yes
08	(8) DEEP2-22022835	WFC3/IR	1	18-Sep-2017 16:03:59.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
Z8	(8) DEEP2-22022835	WFC3/IR	1	18-Sep-2017 16:04:00.0	yes
09	(9) DEEP2-22028402	WFC3/IR	1	18-Sep-2017 16:04:02.0	yes
10	(10) DEEP2-22032252	WFC3/IR	1	18-Sep-2017 16:04:03.0	yes
11	(11) DEEP2-22044304	WFC3/IR	1	18-Sep-2017 16:04:04.0	yes
14	(14) DEEP2-31046514	WFC3/IR	1	18-Sep-2017 16:04:05.0	yes
15	(15) DEEP2-31047144	WFC3/IR	1	18-Sep-2017 16:04:06.0	yes
12	(12) DEEP2-41059446	WFC3/IR	1	18-Sep-2017 16:04:07.0	yes
13	(13) DEEP2-42045870	WFC3/IR	1	18-Sep-2017 16:04:08.0	yes

16 Total Orbits Used

ABSTRACT

How do the physical conditions of high redshift galaxies differ from those seen locally? Spectroscopic surveys have invested hundreds of nights of 8- and 10-meter telescope time as well as hundreds of Hubble orbits to study evolution in the galaxy population at redshifts $z \sim 0.5-4$ using rest-frame optical strong emission line diagnostics. These surveys reveal evolution in the gas excitation with redshift but the physical cause is not yet understood. Consequently there are large systematic errors in derived quantities such as metallicity.

We have used direct measurements of gas density, temperature, and metallicity in a unique sample at $z=0.8$ to determine reliable diagnostics for high redshift galaxies. Our measurements suggest that offsets in emission line ratios at high redshift are primarily caused by high N/O abundance ratios. However, our ground-based data cannot rule out other interpretations. Spatially resolved Hubble grism spectra are needed to distinguish between the remaining plausible causes such as active nuclei, shocks, diffuse ionized gas emission, and HII regions with escaping ionizing flux. Identifying the physical origin of evolving excitation will allow us to build the necessary foundation for accurate measurements of metallicity and other properties of high redshift galaxies. Only then can we exploit the wealth of data from current surveys and near-future JWST spectroscopy to understand how galaxies evolve over time.

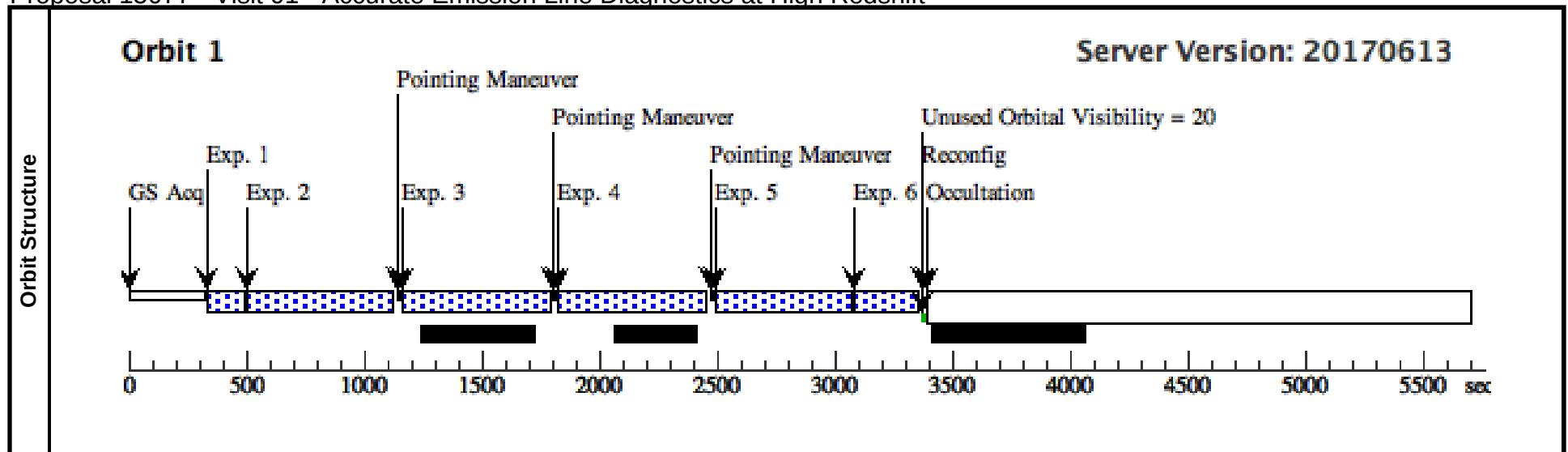
OBSERVING DESCRIPTION

Proposal 15077 (STScI Edit Number: 1, Created: Monday, September 18, 2017 3:04:09 PM EST) - Overview

We are targeting $\text{H}\alpha$, [N II], [S II], and [S III] emission lines in each object using the G141 grism. We adopt a 2x2 dither pattern based on the successful strategy used in the GLASS and 3D-HST surveys in order to maximize angular resolution and defect removal. We will use roll angles which avoid contamination in the spectrum of our targets; a wide range of roll angles is permitted for each target so this introduces minimal scheduling constraints. Direct images taken at the first and last dither positions are sufficient for optimal extraction and spectral calibration. The final direct image is taken at the end of the sequence during the times when higher atmospheric backgrounds would be expected to affect grism exposures.

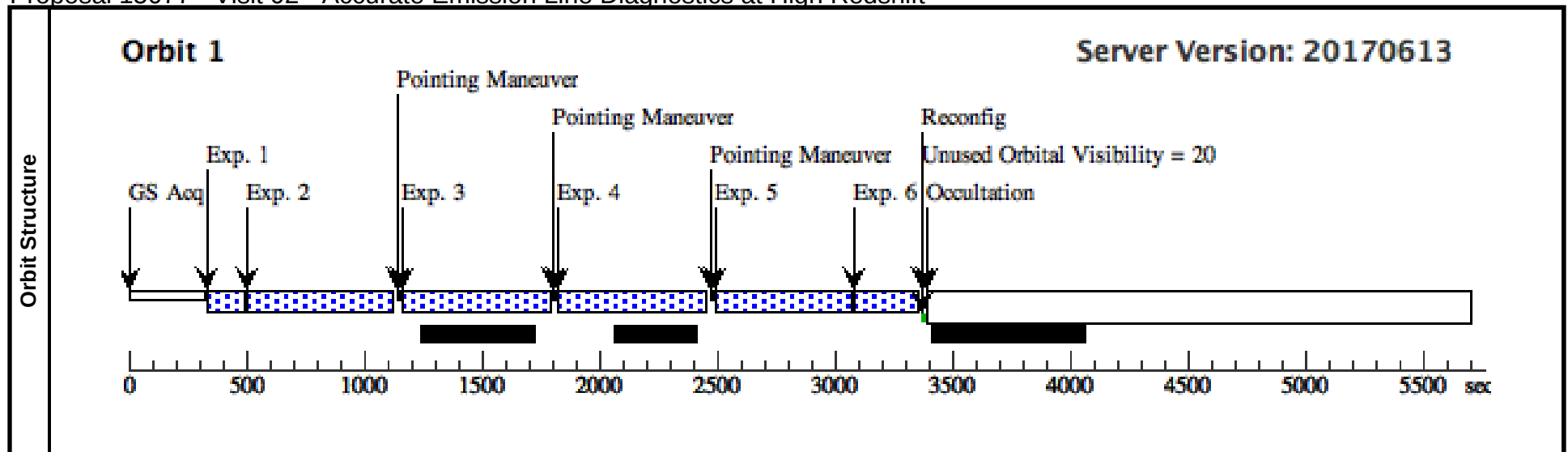
Proposal 15077 - Visit 01 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 01, scheduling									Mon Sep 18 20:04:09 GMT 2017	
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 99D TO 240 D; ORIENT 279D TO 60 D										
Diagnostics	(Visit 01) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE										
	(Visit 01) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	DEEP2-13016475	RA: 14 20 57.8616 (215.2410900d) Dec: +52 56 41.83 (52.94495d) Equinox: J2000				V=22.8524+/-0.0143273		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DEEP2-13016475	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 01	127.934866 Secs (127.935 Secs) [==>]		[1]
	2		(1) DEEP2-13016475	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 01	602.937703 Secs (602.938 Secs) [==>]		[1]
	3		(1) DEEP2-13016475	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 01	602.937703 Secs (602.938 Secs) [==>]		[1]
	4		(1) DEEP2-13016475	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 01	602.937703 Secs (602.938 Secs) [==>]		[1]
	5		(1) DEEP2-13016475	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 01	552.937252 Secs (552.937 Secs) [==>]		[1]
	6		(1) DEEP2-13016475	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 01	252.937441 Secs (252.937 Secs) [==>]		[1]



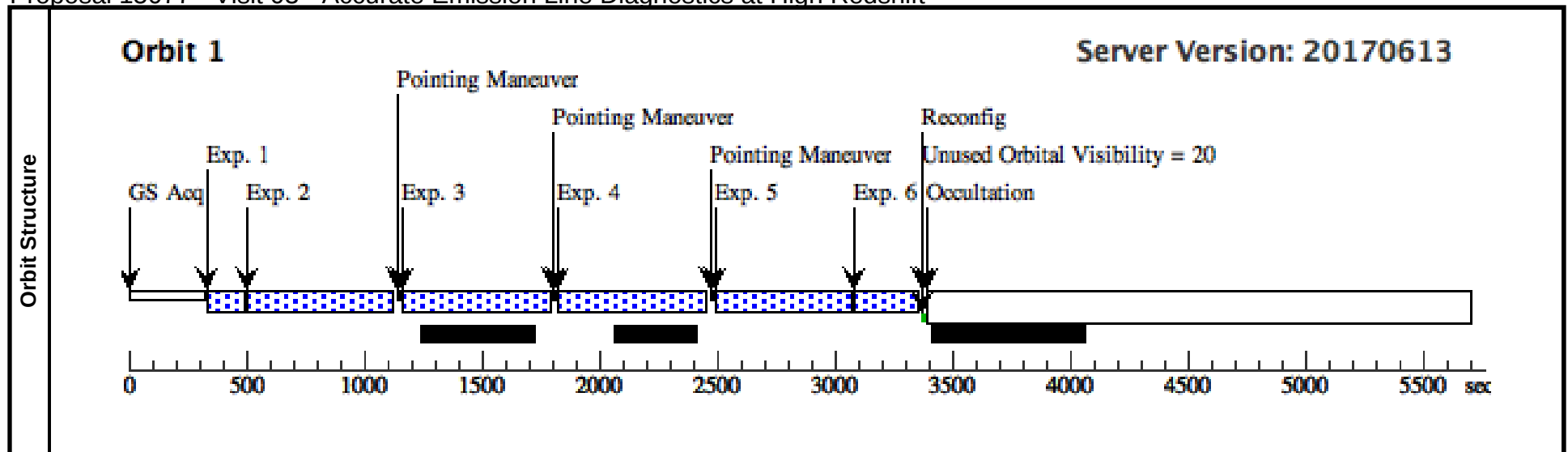
Proposal 15077 - Visit 02 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 02, scheduling								Mon Sep 18 20:04:09 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 107D TO 267 D; ORIENT 287D TO 87 D									
Diagnostics	(Visit 02) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 02) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(2)	DEEP2-13043682	RA: 14 20 8.3688 (215.0348700d) Dec: +53 06 37.57 (53.11044d) Equinox: J2000				V=22.5281+/-0.0144008	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) DEEP2-13043682	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 02	127.934866 Secs (127.935 Secs)	
									[==>]	[1]
	2		(2) DEEP2-13043682	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 02	602.937703 Secs (602.938 Secs)	
									[==>]	[1]
	3		(2) DEEP2-13043682	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 02	602.937703 Secs (602.938 Secs)	
									[==>]	[1]
	4		(2) DEEP2-13043682	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 02	602.937703 Secs (602.938 Secs)	
									[==>]	[1]
	5		(2) DEEP2-13043682	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 02	552.937252 Secs (552.937 Secs)	
									[==>]	[1]
	6		(2) DEEP2-13043682	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 02	252.937441 Secs (252.937 Secs)	
									[==>]	[1]



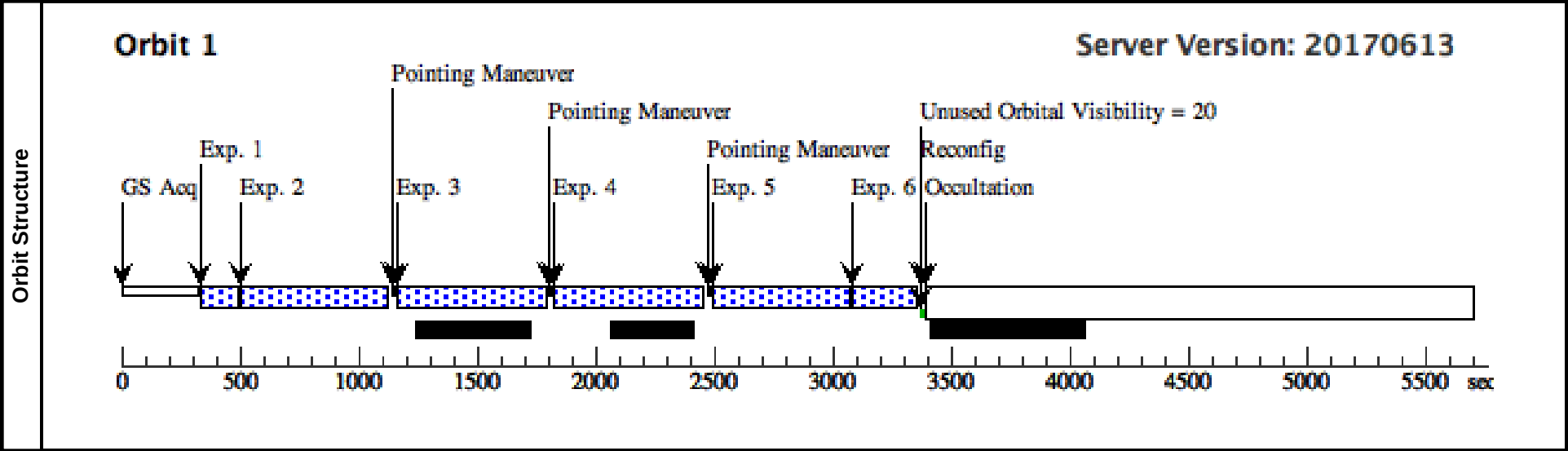
Proposal 15077 - Visit 03 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 03, scheduling								Mon Sep 18 20:04:09 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 38D TO 70 D; ORIENT 90D TO 198 D; ORIENT 218D TO 250 D; ORIENT 270D TO 18 D									
Diagnostics	(Visit 03) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 03) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	DEEP2-13043716	RA: 14 19 48.0672 (214.9502800d) Dec: +53 05 12.62 (53.08684d) Equinox: J2000			V=21.5172+/-0.00456466		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) DEEP2-13043716	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 03	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(3) DEEP2-13043716	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 03	602.937703 Secs (602.938 Secs) [==>]	[1]
	3		(3) DEEP2-13043716	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 03	602.937703 Secs (602.938 Secs) [==>]	[1]
	4		(3) DEEP2-13043716	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 03	602.937703 Secs (602.938 Secs) [==>]	[1]
	5		(3) DEEP2-13043716	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 03	552.937252 Secs (552.937 Secs) [==>]	[1]
	6		(3) DEEP2-13043716	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 03	252.937441 Secs (252.937 Secs) [==>]	[1]



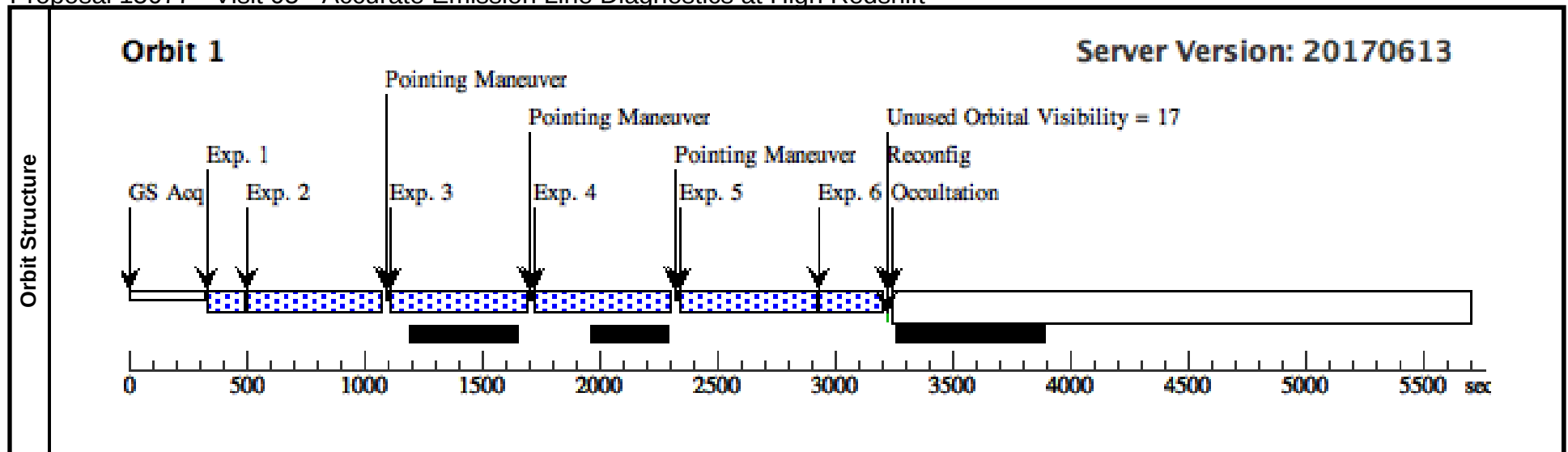
Proposal 15077 - Visit 04 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 04, scheduling								Mon Sep 18 20:04:09 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 15D TO 84 D; ORIENT 104D TO 175 D; ORIENT 195D TO 264 D; ORIENT 284D TO 355 D									
Diagnostics	(Visit 04) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 04) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	DEEP2-14018918	RA: 14 21 45.4104 (215.4392100d) Dec: +53 23 52.71 (53.39798d) Equinox: J2000			V=23.0366+/-0.0369699		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) DEEP2-14018918	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 04	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(4) DEEP2-14018918	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 04	602.937703 Secs (602.938 Secs) [==>]	[1]
	3		(4) DEEP2-14018918	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 04	602.937703 Secs (602.938 Secs) [==>]	[1]
	4		(4) DEEP2-14018918	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 04	602.937703 Secs (602.938 Secs) [==>]	[1]
	5		(4) DEEP2-14018918	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 04	552.937252 Secs (552.937 Secs) [==>]	[1]
	6		(4) DEEP2-14018918	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 04	252.937441 Secs (252.937 Secs) [==>]	[1]



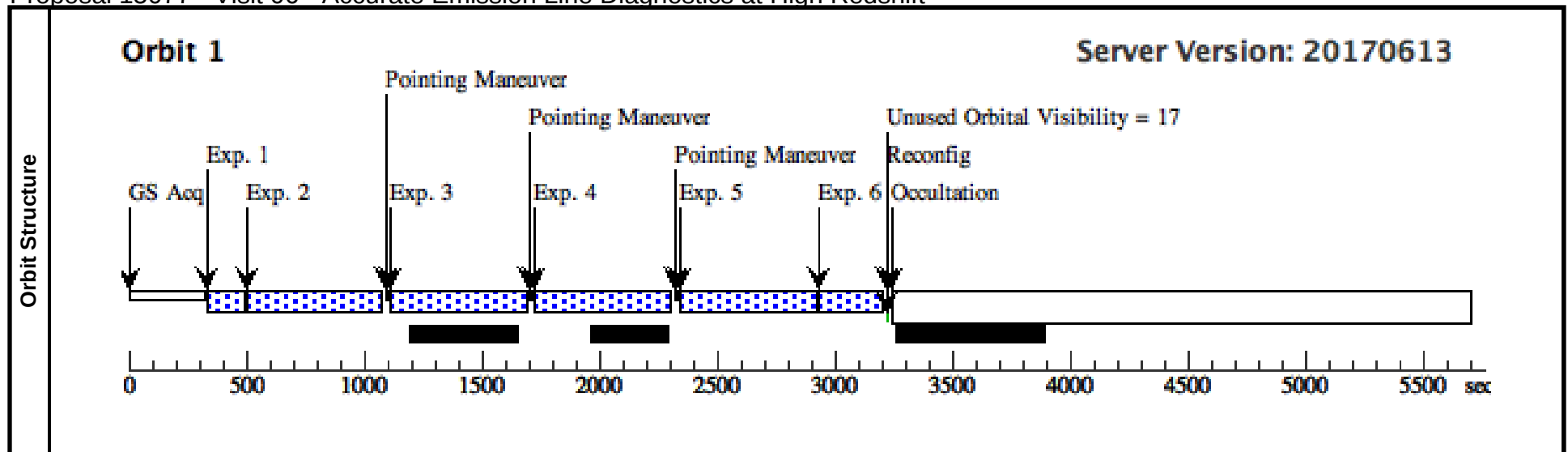
Proposal 15077 - Visit 05 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 05, scheduling								Mon Sep 18 20:04:09 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 0D TO 48 D; ORIENT 129D TO 160 D; ORIENT 180D TO 228 D; ORIENT 309D TO 340 D									
Diagnostics	(Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	DEEP2-21021292	RA: 16 46 35.3952 (251.6474800d) Dec: +34 50 27.80 (34.84106d) Equinox: J2000			V=22.4031+/-0.0131473		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) DEEP2-21021292	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 05	127.934866 Secs (127.935 Secs)	
			2						[==>]	[1]
	2		(5) DEEP2-21021292	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 05	552.937252 Secs (552.937 Secs)	
			2						[==>]	[1]
	3		(5) DEEP2-21021292	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 05	552.937252 Secs (552.937 Secs)	
			2						[==>]	[1]
	4		(5) DEEP2-21021292	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 05	552.937252 Secs (552.937 Secs)	
			2						[==>]	[1]
	5		(5) DEEP2-21021292	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 05	552.937252 Secs (552.937 Secs)	
			2						[==>]	[1]
	6		(5) DEEP2-21021292	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 05	252.937441 Secs (252.937 Secs)	
			2						[==>]	[1]



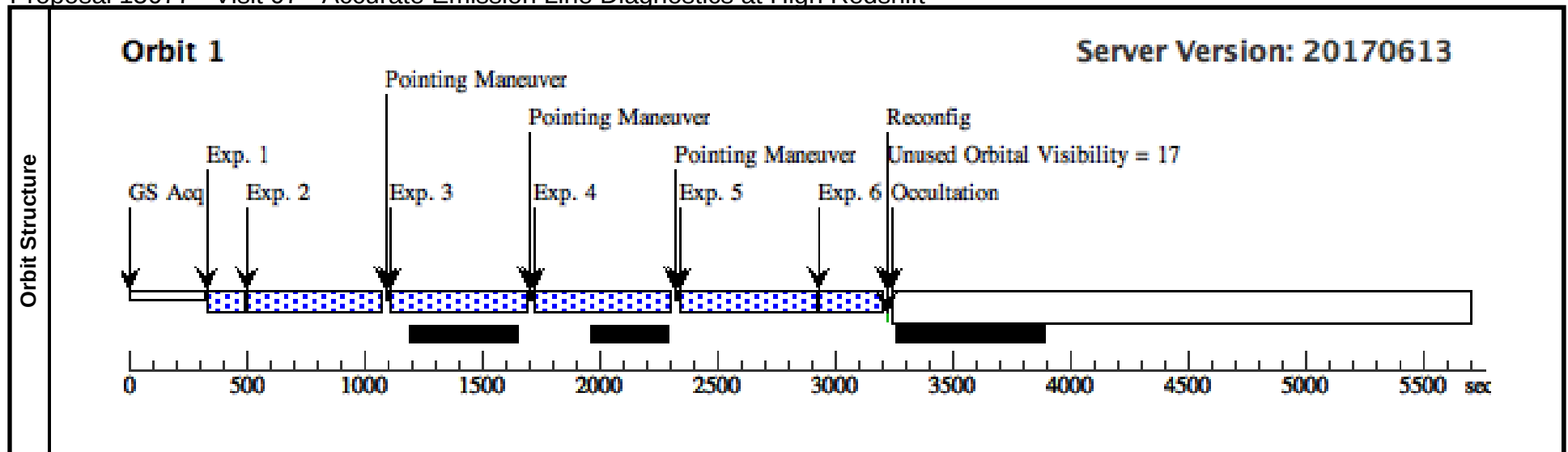
Proposal 15077 - Visit 06 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 06, completed Mon Sep 18 20:04:09 GMT 2017									
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 1D TO 33 D; ORIENT 63D TO 130 D; ORIENT 181D TO 213 D; ORIENT 243D TO 310 D									
Diagnostics	(Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	DEEP2-21027858	RA: 16 46 28.9848 (251.6207700d) Dec: +34 55 19.82 (34.92217d) Equinox: J2000		V=23.1503+/-0.027383	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(6) DEEP2-21027858	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 06	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(6) DEEP2-21027858	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 06	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(6) DEEP2-21027858	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 06	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(6) DEEP2-21027858	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 06	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(6) DEEP2-21027858	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 06	552.937252 Secs (552.937 Secs) [==>]	[1]
	6		(6) DEEP2-21027858	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 06	252.937441 Secs (252.937 Secs) [==>]	[1]



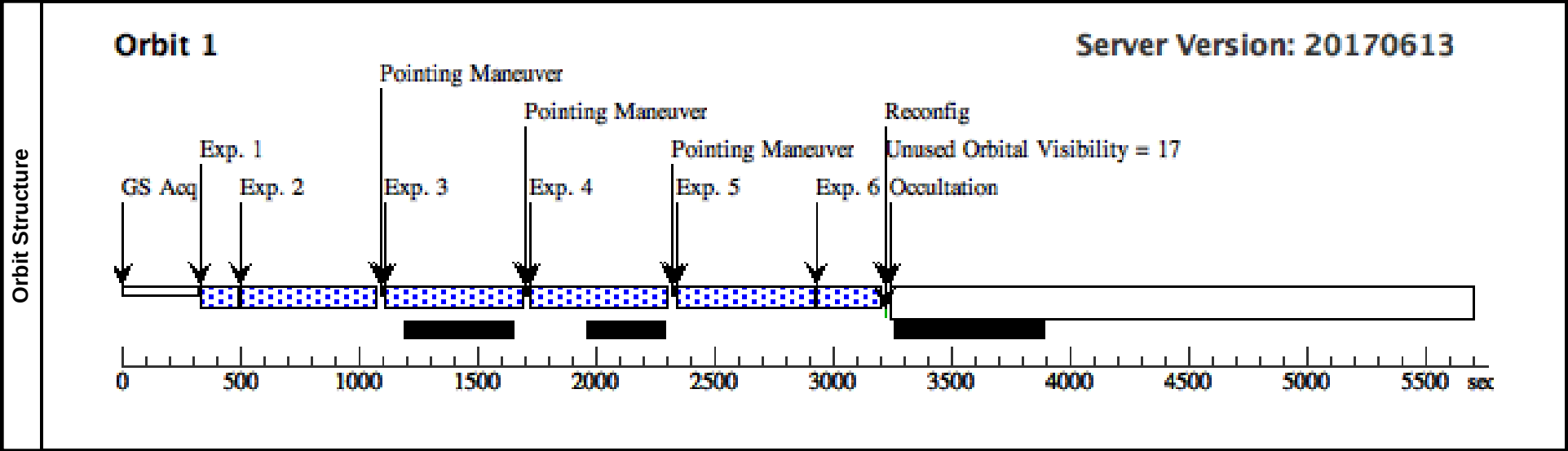
Proposal 15077 - Visit 07 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 07, scheduling									Mon Sep 18 20:04:10 GMT 2017
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 19D TO 155 D; ORIENT 199D TO 335 D									
Diagnostics	(Visit 07) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 07) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(7)	DEEP2-22020856	RA: 16 51 31.4496 (252.8810400d) Dec: +34 53 15.82 (34.88773d) Equinox: J2000				V=23.11+/-0.0199338	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) DEEP2-22020856	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 07	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(7) DEEP2-22020856	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 07	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(7) DEEP2-22020856	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 07	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(7) DEEP2-22020856	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 07	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(7) DEEP2-22020856	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 07	552.937252 Secs (552.937 Secs) [==>]	[1]
	6		(7) DEEP2-22020856	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 07	252.937441 Secs (252.937 Secs) [==>]	[1]



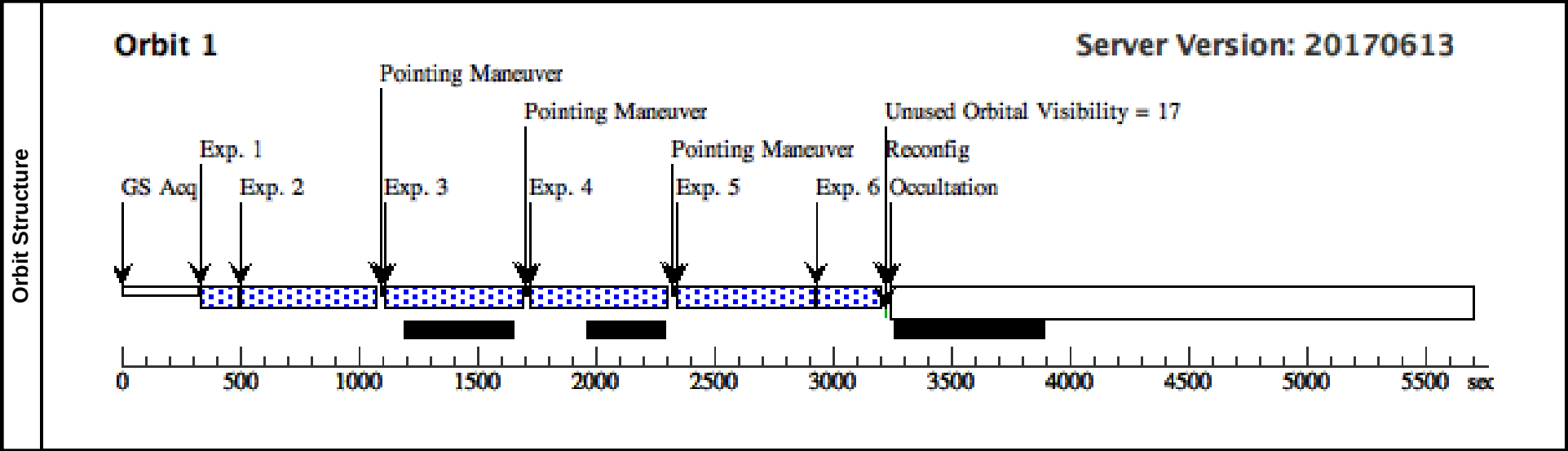
Proposal 15077 - Visit 08 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 08, failed Mon Sep 18 20:04:10 GMT 2017									
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 85D TO 215 D; ORIENT 265D TO 35 D									
Diagnostics	(Visit 08) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 08) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	DEEP2-22022835	RA: 16 50 34.5960 (252.6441500d) Dec: +34 52 52.09 (34.88114d) Equinox: J2000		V=23.4701+/-0.0282516	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 08	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 08	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 08	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 08	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 08	552.937252 Secs (552.937 Secs) [==>]	[1]
	6		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 08	252.937441 Secs (252.937 Secs) [==>]	[1]



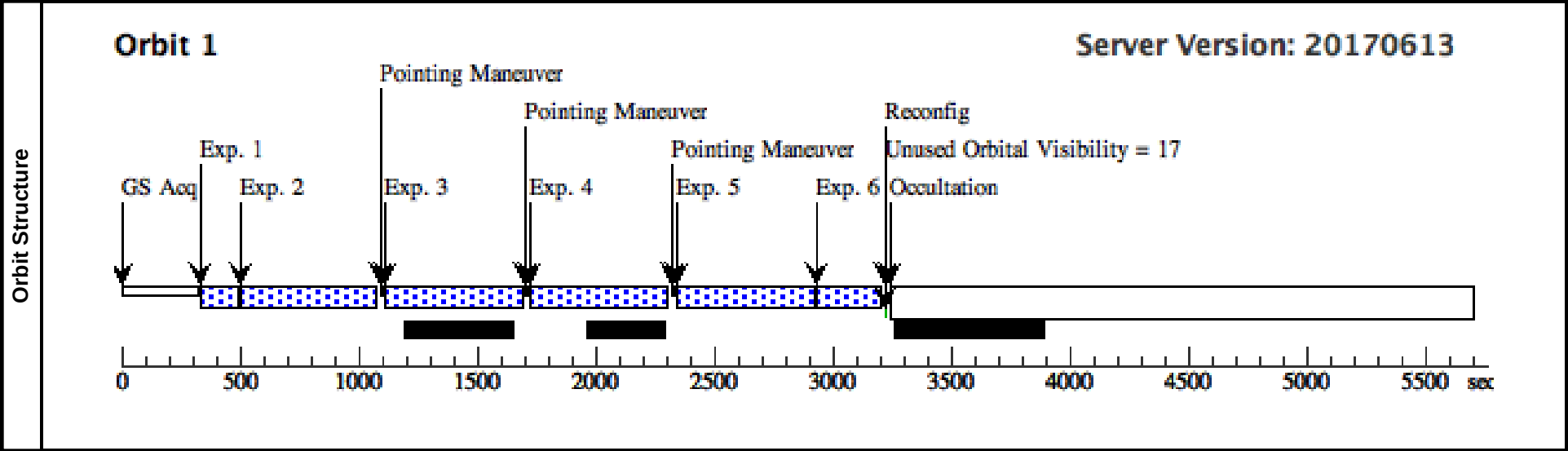
Proposal 15077 - HOPR (Z8) - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, HOPR (Z8)									Mon Sep 18 20:04:10 GMT 2017	
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 85D TO 215 D; ORIENT 265D TO 35 D										
Diagnostics	(HOPR (Z8)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE										
	(HOPR (Z8)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	DEEP2-22022835	RA: 16 50 34.5960 (252.6441500d) Dec: +34 52 52.09 (34.88114d) Equinox: J2000				V=23.4701+/-0.0282516		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in HOPR (Z8)	127.934866 Secs (127.935 Secs)		
									[==>]		[1]
	2		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in HOPR (Z8)	552.937252 Secs (552.937 Secs)		
									[==>]		[1]
	3		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in HOPR (Z8)	552.937252 Secs (552.937 Secs)		
									[==>]		[1]
	4		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in HOPR (Z8)	552.937252 Secs (552.937 Secs)		
								[==>]		[1]	
	5		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in HOPR (Z8)	552.937252 Secs (552.937 Secs)		
									[==>]		[1]
	6		(8) DEEP2-22022835	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in HOPR (Z8)	252.937441 Secs (252.937 Secs)		
									[==>]		[1]



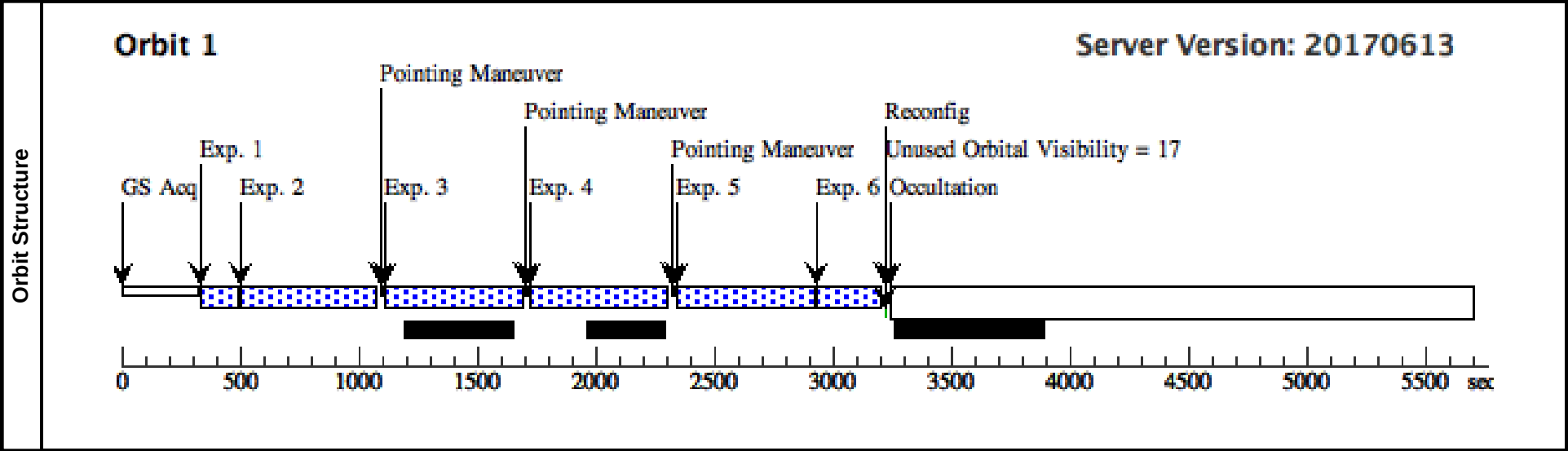
Proposal 15077 - Visit 09 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 09, completed								Mon Sep 18 20:04:10 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 138D TO 298 D; ORIENT 318D TO 118 D									
Diagnostics	(Visit 09) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 09) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(9)	DEEP2-22028402	RA: 16 51 31.9272 (252.8830300d) Dec: +34 55 29.28 (34.92480d) Equinox: J2000				V=20.4446+/-0.00176142	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) DEEP2-22028402	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 09	127.934866 Secs (127.935 Secs)	
									[==>]	[1]
	2		(9) DEEP2-22028402	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 09	552.937252 Secs (552.937 Secs)	
									[==>]	[1]
	3		(9) DEEP2-22028402	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 09	552.937252 Secs (552.937 Secs)	
									[==>]	[1]
	4		(9) DEEP2-22028402	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 09	552.937252 Secs (552.937 Secs)	
									[==>]	[1]
	5		(9) DEEP2-22028402	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 09	552.937252 Secs (552.937 Secs)	
									[==>]	[1]
	6		(9) DEEP2-22028402	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 09	252.937441 Secs (252.937 Secs)	
									[==>]	[1]



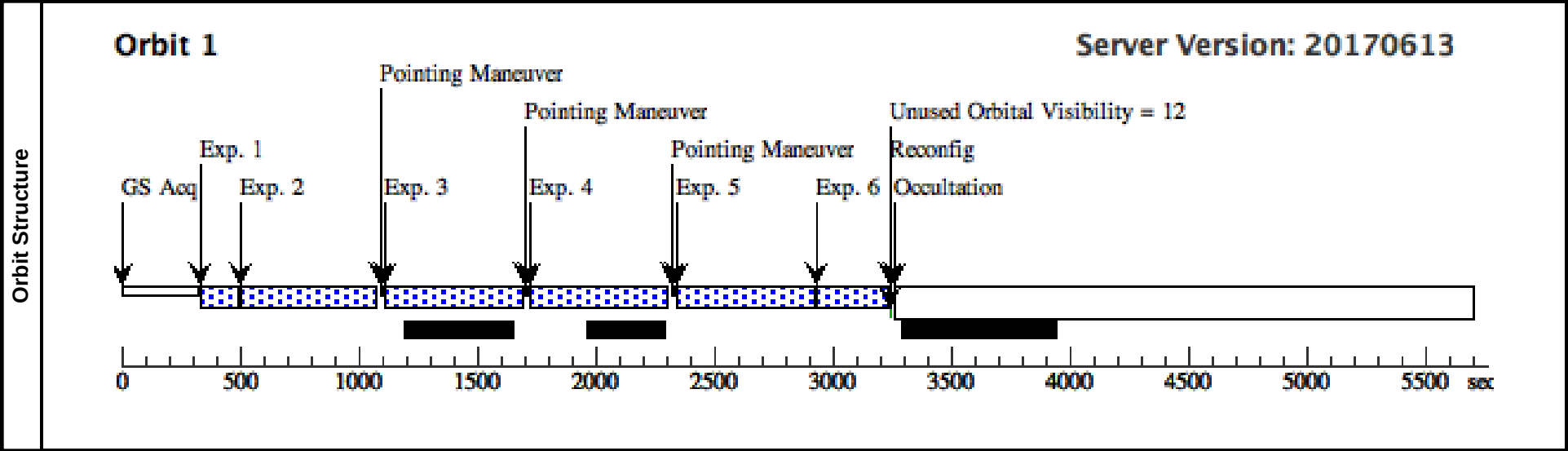
Proposal 15077 - Visit 10 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 10, completed Mon Sep 18 20:04:10 GMT 2017									
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 146D TO 286 D; ORIENT 326D TO 106 D									
Diagnostics	(Visit 10) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 10) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	DEEP2-22032252	RA: 16 53 3.4608 (253.2644200d) Dec: +34 58 48.71 (34.98020d) Equinox: J2000		V=23.7611+/-0.0331305	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) DEEP2-22032252	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 10	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(10) DEEP2-22032252	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 10	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(10) DEEP2-22032252	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 10	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(10) DEEP2-22032252	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 10	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(10) DEEP2-22032252	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 10	552.937252 Secs (552.937 Secs) [==>]	[1]
	6		(10) DEEP2-22032252	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=11; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 10	252.937441 Secs (252.937 Secs) [==>]	[1]



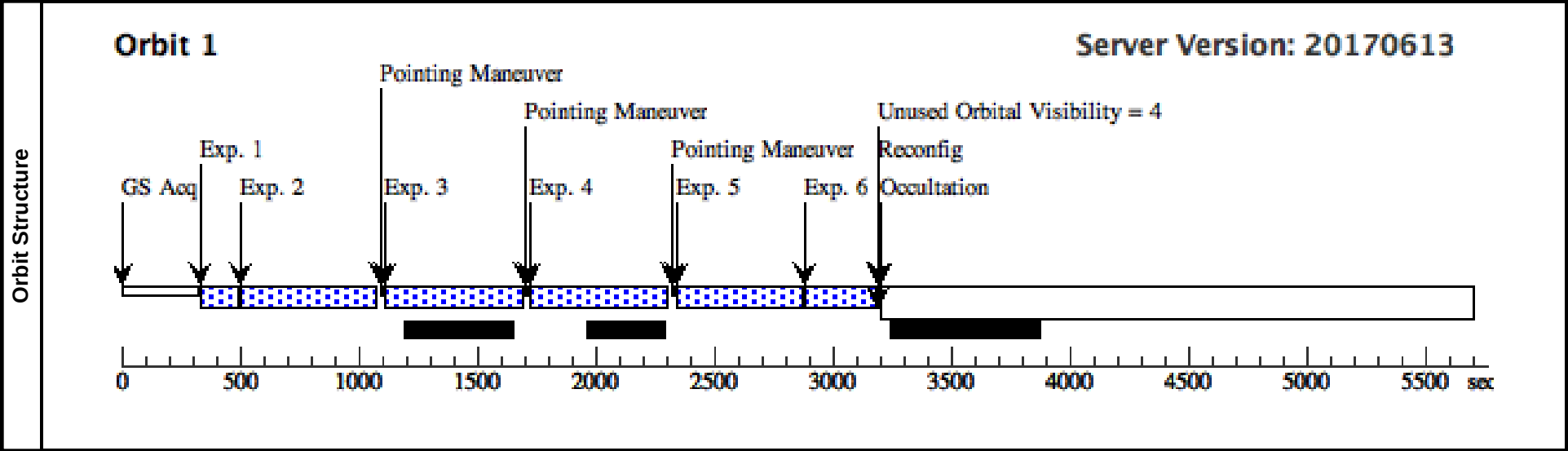
Proposal 15077 - Visit 11 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 11, completed								Mon Sep 18 20:04:10 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 79D TO 229 D; ORIENT 259D TO 49 D									
Diagnostics	(Visit 11) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 11) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	DEEP2-22044304	RA: 16 51 20.3232 (252.8346800d) Dec: +35 02 32.38 (35.04233d) Equinox: J2000			V=23.0516+/-0.0224982		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) DEEP2-22044304	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 11	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(11) DEEP2-22044304	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 11	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(11) DEEP2-22044304	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 11	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(11) DEEP2-22044304	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 11	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(11) DEEP2-22044304	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 11	552.937252 Secs (552.937 Secs) [==>]	[1]
	6		(11) DEEP2-22044304	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=12; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 11	277.937956 Secs (277.938 Secs) [==>]	[1]



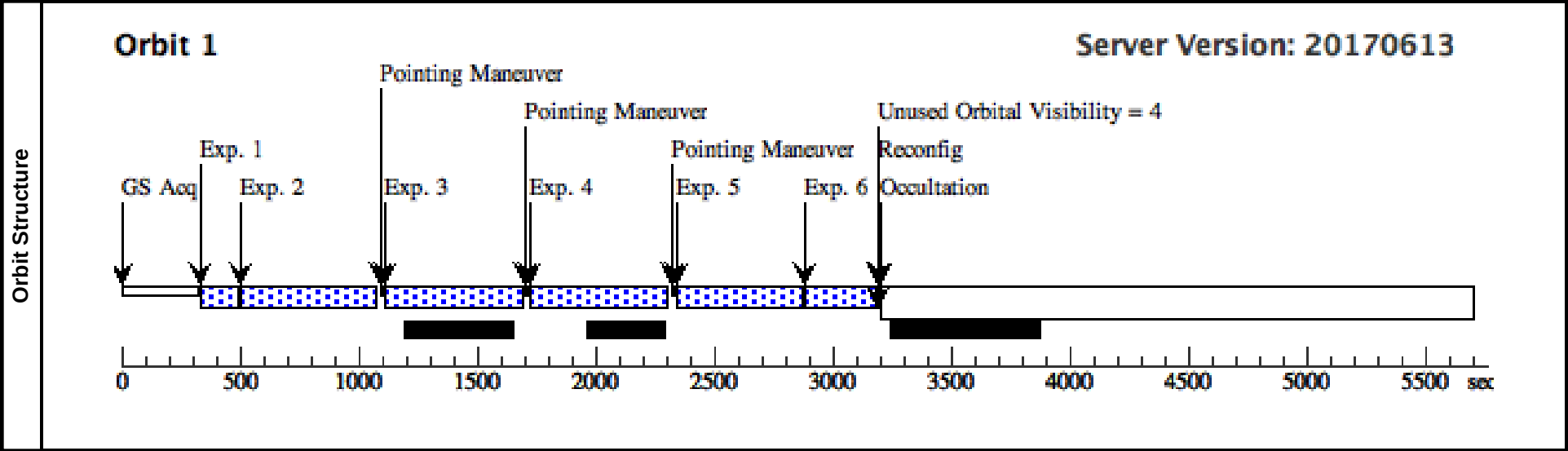
Proposal 15077 - Visit 14 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 14, scheduling								Mon Sep 18 20:04:10 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 49D TO 60 D; ORIENT 100D TO 189 D; ORIENT 229D TO 240 D; ORIENT 280D TO 9 D									
Diagnostics	(Visit 14) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 14) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(14)	DEEP2-31046514	RA: 23 27 7.5024 (351.7812600d) Dec: +00 17 41.18 (.29477d) Equinox: J2000			V=23.1405+/-0.0285174		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(14) DEEP2-31046514	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 14	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(14) DEEP2-31046514	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 14	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(14) DEEP2-31046514	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 14	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(14) DEEP2-31046514	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 14	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(14) DEEP2-31046514	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 14	502.936801 Secs (502.937 Secs) [==>]	[1]
	6		(14) DEEP2-31046514	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=12; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 14	277.937956 Secs (277.938 Secs) [==>]	[1]



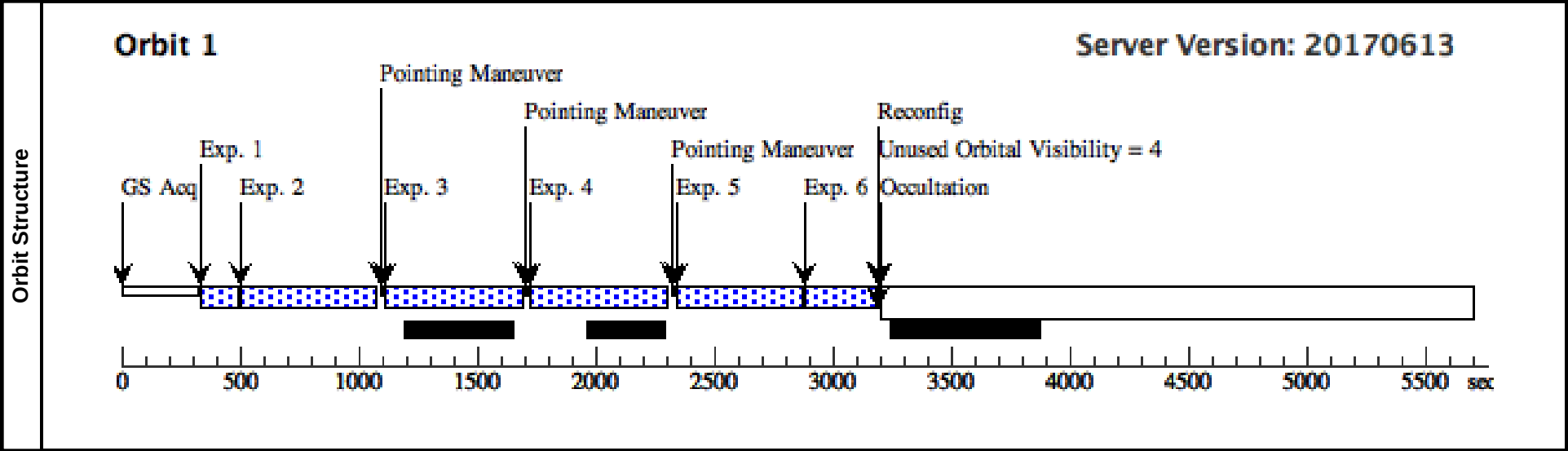
Proposal 15077 - Visit 15 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 15, scheduling								Mon Sep 18 20:04:10 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 50D TO 210 D; ORIENT 230D TO 30 D									
Diagnostics	(Visit 15) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 15) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(15)	DEEP2-31047144	RA: 23 26 55.4256 (351.7309400d) Dec: +00 17 52.60 (.29794d) Equinox: J2000			V=23.0281+/-0.0392324		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(15) DEEP2-31047144	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 15	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(15) DEEP2-31047144	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 15	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(15) DEEP2-31047144	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 15	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(15) DEEP2-31047144	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 15	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(15) DEEP2-31047144	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 15	502.936801 Secs (502.937 Secs) [==>]	[1]
	6		(15) DEEP2-31047144	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=12; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 15	277.937956 Secs (277.938 Secs) [==>]	[1]



Proposal 15077 - Visit 12 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 12, scheduling								Mon Sep 18 20:04:10 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 65D TO 102 D; ORIENT 142D TO 215 D; ORIENT 245D TO 282 D; ORIENT 322D TO 35 D									
Diagnostics	(Visit 12) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 12) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(12)	DEEP2-41059446	RA: 02 26 21.4913 (36.5895471d) Dec: +00 48 6.64 (.80184d) Equinox: J2000			V=22.1677+/-0.0122914		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) DEEP2-41059446	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 12	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(12) DEEP2-41059446	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 12	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(12) DEEP2-41059446	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 12	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(12) DEEP2-41059446	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 12	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(12) DEEP2-41059446	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 12	502.936801 Secs (502.937 Secs) [==>]	[1]
	6		(12) DEEP2-41059446	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=12; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 12	277.937956 Secs (277.938 Secs) [==>]	[1]



Proposal 15077 - Visit 13 - Accurate Emission Line Diagnostics at High Redshift

Visit	Proposal 15077, Visit 13, scheduling								Mon Sep 18 20:04:10 GMT 2017	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 138D TO 283 D; ORIENT 318D TO 103 D									
Diagnostics	(Visit 13) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
	(Visit 13) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	DEEP2-42045870	RA: 02 30 10.6027 (37.5441779d) Dec: +00 41 17.37 (.68816d) Equinox: J2000			V=22.2112+/-0.0139006		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(13) DEEP2-42045870	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0,0	Sequence 1-6 Non-Int in Visit 13	127.934866 Secs (127.935 Secs) [==>]	[1]
	2		(13) DEEP2-42045870	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1	Sequence 1-6 Non-Int in Visit 13	552.937252 Secs (552.937 Secs) [==>]	[1]
	3		(13) DEEP2-42045870	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.542,0.182	Sequence 1-6 Non-Int in Visit 13	552.937252 Secs (552.937 Secs) [==>]	[1]
	4		(13) DEEP2-42045870	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.339,0.485	Sequence 1-6 Non-Int in Visit 13	552.937252 Secs (552.937 Secs) [==>]	[1]
	5		(13) DEEP2-42045870	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S50	POS TARG -0.203,0.303	Sequence 1-6 Non-Int in Visit 13	502.936801 Secs (502.937 Secs) [==>]	[1]
	6		(13) DEEP2-42045870	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=12; SAMP-SEQ=SPAR S25	SAME POS AS 5	Sequence 1-6 Non-Int in Visit 13	277.937956 Secs (277.938 Secs) [==>]	[1]

