



# 15355 - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR Standard Star Network

Cycle: 25, Proposal Category: GO

(UV Initiative, JWST Initiative)

(Availability Mode: SUPPORTED)

## INVESTIGATORS

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## VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) SDSSJ124535.626+423824.58	WFC3/UVIS	1	17-Jan-2019 13:00:21.0	yes
07	(1) SDSSJ124535.626+423824.58	WFC3/UVIS	1	17-Jan-2019 13:00:23.0	yes
02	(2) SDSSJ134305.302+270623.97	WFC3/UVIS	1	17-Jan-2019 13:00:25.0	yes
08	(2) SDSSJ134305.302+270623.97	WFC3/UVIS	1	17-Jan-2019 13:00:26.0	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>
03	(3) SDSSJ014618.897-005150.50	WFC3/UVIS	1	17-Jan-2019 13:00:28.0	yes
09	(3) SDSSJ014618.897-005150.50	WFC3/UVIS	1	17-Jan-2019 13:00:29.0	yes
04	(4) SDSSJ230240.032-003021.59	WFC3/UVIS	1	17-Jan-2019 13:00:30.0	yes
10	(4) SDSSJ230240.032-003021.59	WFC3/UVIS	1	17-Jan-2019 13:00:32.0	yes
05	(5) SDSSJ125507.082+192459.01	WFC3/UVIS	1	17-Jan-2019 13:00:34.0	yes
11	(5) SDSSJ125507.082+192459.01	WFC3/UVIS	1	17-Jan-2019 13:00:35.0	yes
06	(6) SDSSJ114722.608+171325.23	WFC3/UVIS	1	17-Jan-2019 13:00:36.0	yes
12	(6) SDSSJ114722.608+171325.23	WFC3/UVIS	1	17-Jan-2019 13:00:37.0	yes
13	(7) SDSSJ083736.557+542758.65	WFC3/UVIS	1	17-Jan-2019 13:00:39.0	yes
14	(7) SDSSJ083736.557+542758.65	WFC3/UVIS	1	17-Jan-2019 13:00:40.0	yes

14 Total Orbits Used

## ABSTRACT

We propose to observe 18-19th magnitude objects with nearly perfect blackbody spectra discovered by the Sloan Digital Sky Survey. Follow-up observation by Keck/LRIS and Subaru/FOCAS confirmed no signs of absorption lines, and SDSS multi-epoch observation shows no time variation. With WFC3 (UVES/IR), we will establish a new network of Opt-IR Standards at 0.1% precision in magnitude from 0.1 micron through 5 micron. The identify of these objects are yet to be known. We conduct precise parallax measurements and find distances to these objects that enables us to infer the radius of these stars, and we may have a potential discovery of new type of objects.

Only two parameters (Effective Temperature and Normlization) are needed to describe the blackbody spectra, and we can predict magnitudes in any band from UV through IR with high precision. We will advance the way we perform the photometry by introducing the covariance matrix between the filter bands. This covariance matrix would reduce the errors in color and propagate systematic errors in an appropriate way, and we can reduce the systematic errors in SNIa cosmology today. The perfect blackbody spectrum is the most elegant solution for JWST photometric standards and next generation UV-Opt-IR photometry.

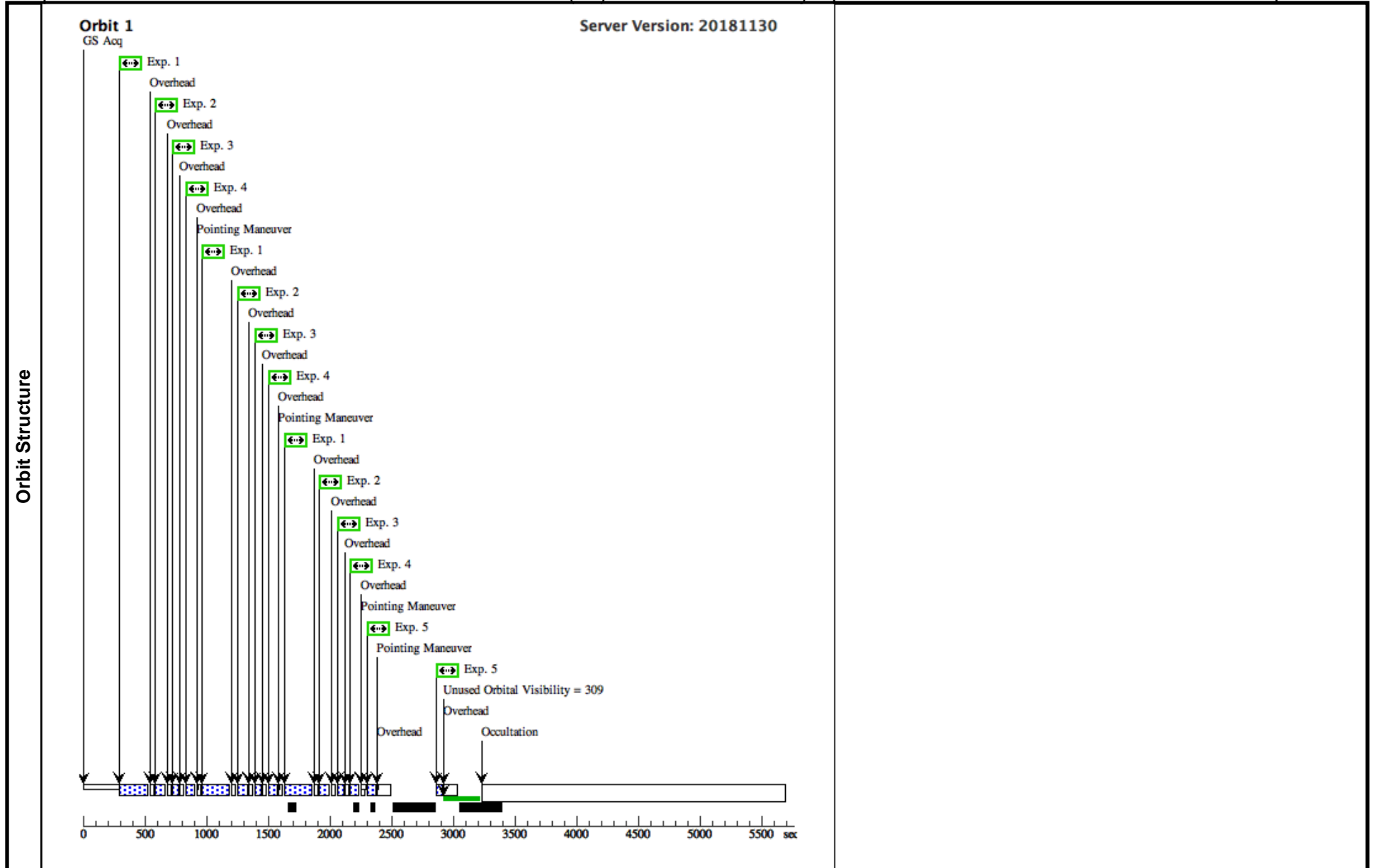
**OBSERVING DESCRIPTION**

We will conduct precise photometry of 7 stars with the WFC3 camera.

During Cycle 25 we observe these stars in UVIS broad band filters (F225W, F275W, F336W, F438W, F555W, F606W, F814W and F850LP) in the C512C subarray in multiple dithers with each filter sufficient to achieve S/N of 200 at 18-19th magnitude. F606W is repeated in the second orbit for each star, 6 months apart so that we can measure parallax to infer distances to the stars.

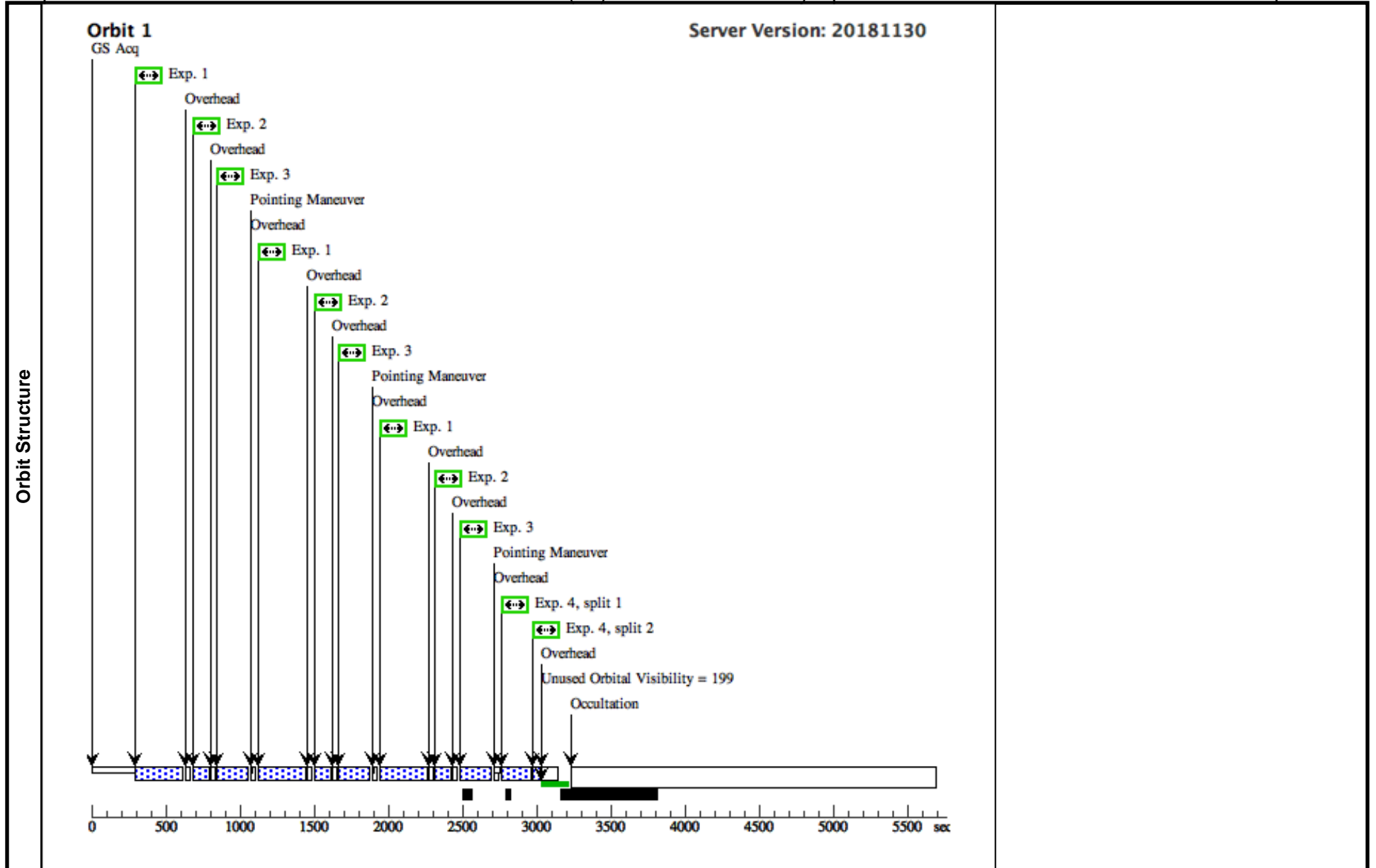
Proposal 15355 - Part1-SDSSJ124535.626+423824.58 (01) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit	<b>Proposal 15355, Part1-SDSSJ124535.626+423824.58 (01), completed</b> <span style="float: right;">Thu Jan 17 18:00:41 GMT 2019</span>									
	<b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 04-DEC-2017:00:00:00 AND 18-DEC-2017:00:00:00; BETWEEN 07-JUN-2018:00:00:00 AND 21-JUN-2018:00:00:00									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
		(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-4)					
	(4)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(5)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SDSSJ124535.626+423824.58	RA: 12 45 35.6260 (191.3984417d) Dec: +42 38 24.58 (42.64016d) Equinox: J2000		V=17.139+/-0.017	Reference Frame: ICRS				
	<i>Comments:</i> Category=STAR Description=[DC]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	275	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ124535.626+423824.58 (01) (3)	200 Secs (600 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	438	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ124535.626+423824.58 (01) (3)	59 Secs (177 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	3	555	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ124535.626+423824.58 (01) (3)	23 Secs (69 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	4	814	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ124535.626+423824.58 (01) (3)	55 Secs (165 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	5	606	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12		Pattern 4, Exps 5-5 in Part1-SDSSJ124535.626+423824.58 (01) (4)	50 Secs (100 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]



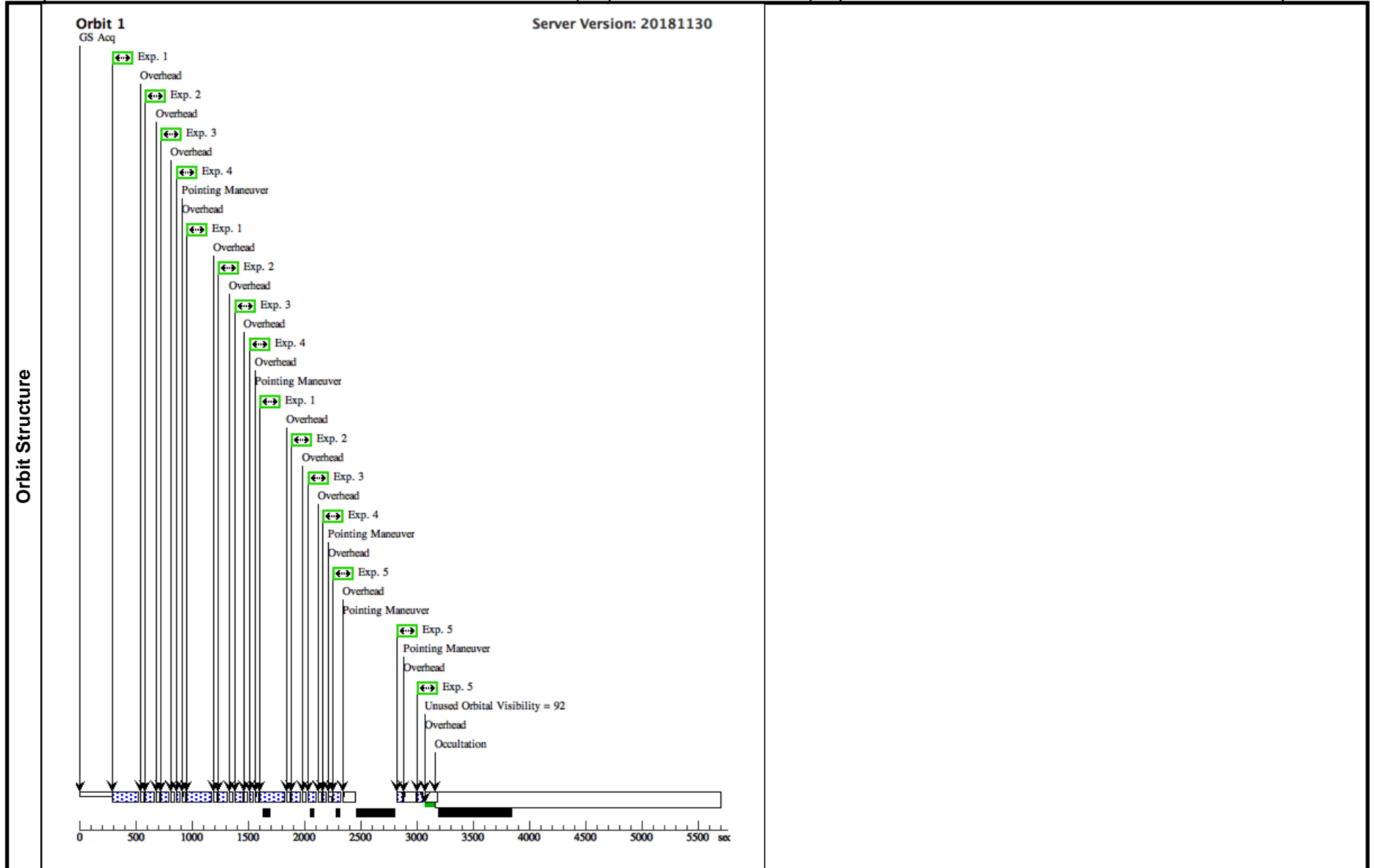
Proposal 15355 - Part2-SDSSJ124535.626+423824.58 (07) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit		Proposal 15355, Part2-SDSSJ124535.626+423824.58 (07), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 175 D TO 185 D					Thu Jan 17 18:00:41 GMT 2019			
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SDSSJ124535.626+423824.58	RA: 12 45 35.6260 (191.3984417d) Dec: +42 38 24.58 (42.64016d) Equinox: J2000		V=17.139+/-0.017	Reference Frame: ICRS				
<i>Comments:</i> Category=STAR Description=[DC]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	225	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ124535.626+423824.58 (07) (3)	295 Secs (885 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	336	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ124535.626+423824.58 (07) (3)	80 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	850lp	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F850LP	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ124535.626+423824.58 (07) (3)	200 Secs (600 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	4	606	(1) SDSSJ124535.626+423824.58	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12; CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]



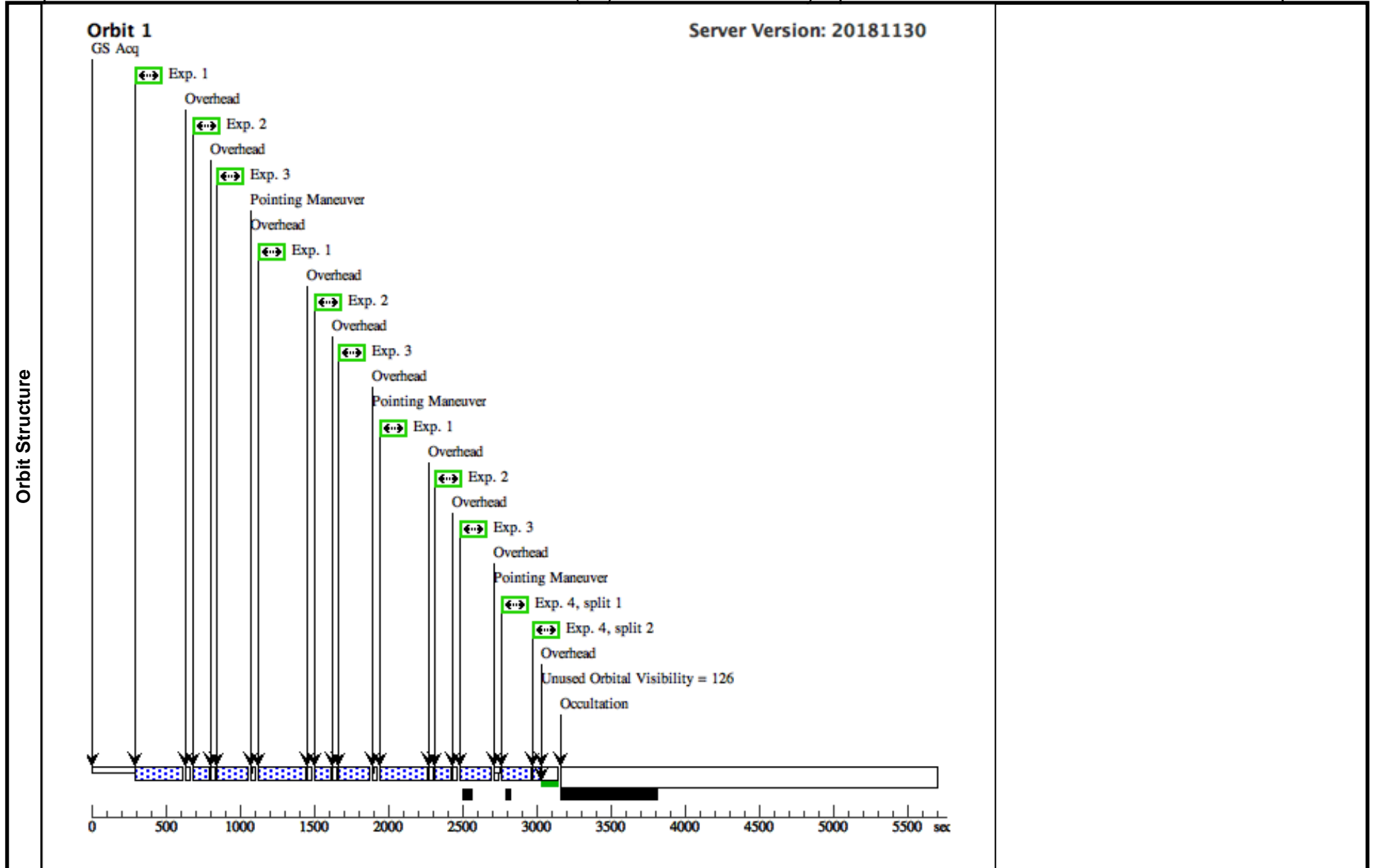
Proposal 15355 - Part1-SDSSJ134305.302+270623.9 7 (02) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR S...

Visit		Proposal 15355, Part1-SDSSJ134305.302+270623.9 7 (02), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 25-DEC-2017:00:00:00 AND 08-JAN-2018:00:00:00					Thu Jan 17 18:00:41 GMT 2019			
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-4), (5)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	SDSSJ134305.302+270623.97	RA: 13 43 5.3020 (205.7720917d) Dec: +27 06 23.97 (27.10666d) Equinox: J2000		V=18.925+/-0.021	Reference Frame: ICRS				
Comments: Category=STAR Description=[DC]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	275	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ134305.302+270623.9 7 (02) (3)	200 Secs (600 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	438	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ134305.302+270623.9 7 (02) (3)	59 Secs (177 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	814	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ134305.302+270623.9 7 (02) (3)	55 Secs (165 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	4	555	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ134305.302+270623.9 7 (02) (3)	23 Secs (69 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	5	606	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12		Pattern 3, Exps 5-5 in Part1-SDSSJ134305.302+270623.9 7 (02) (3)	50 Secs (150 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 15355 - Part2-SDSSJ134305.302+270623.9 7 (08) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR S...

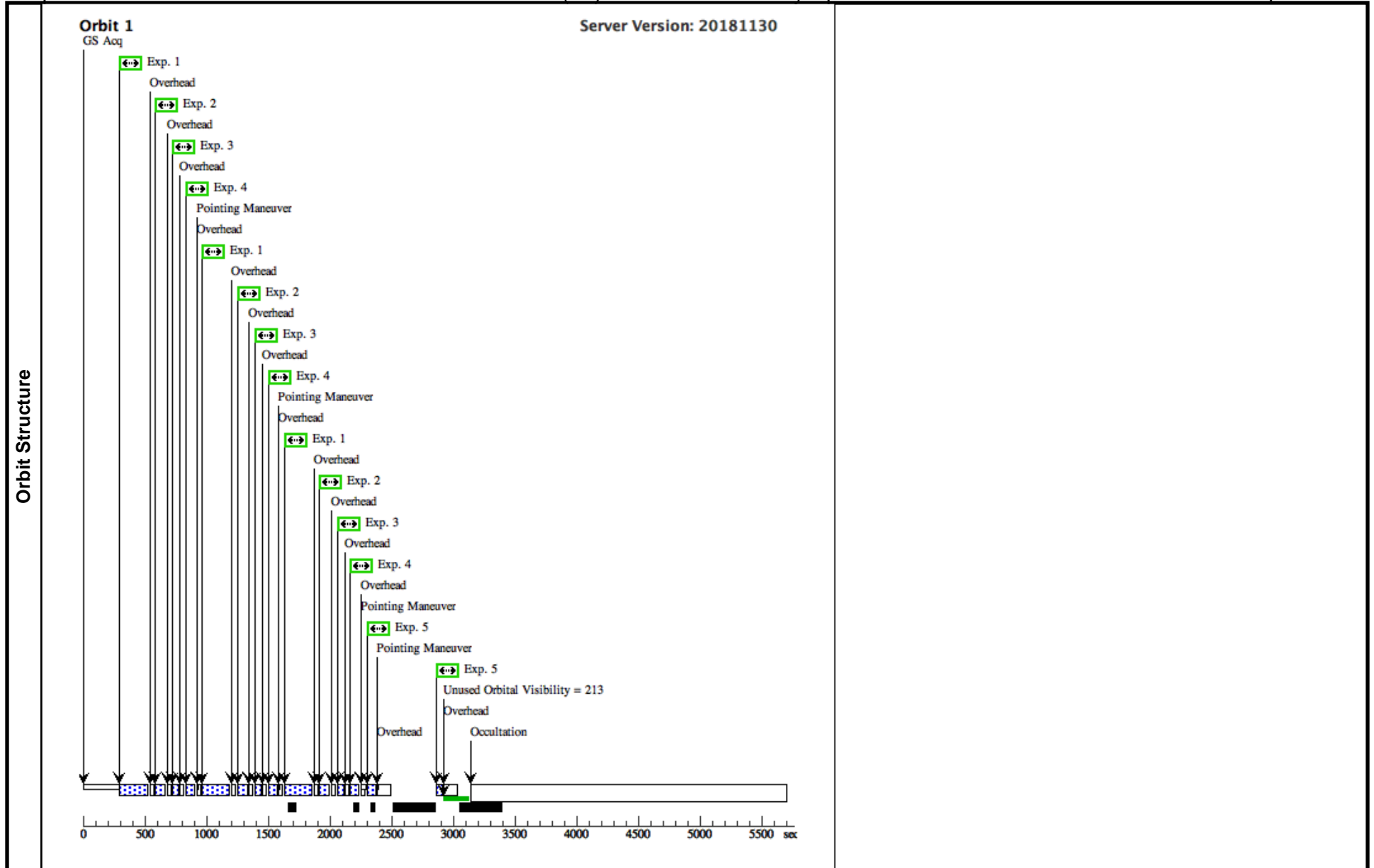
<b>Visit</b>	Proposal 15355, Part2-SDSSJ134305.302+270623.9 7 (08), completed <span style="float: right;">Thu Jan 17 18:00:41 GMT 2019</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 02 BY 177 D TO 189 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>					
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-3)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(2)	SDSSJ134305.302+270623.97	RA: 13 43 5.3020 (205.7720917d) Dec: +27 06 23.97 (27.10666d) Equinox: J2000		V=18.925+/-0.021	Reference Frame: ICRS				
	Comments: Category=STAR Description=[DC]									
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	225	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ134305.302+270623.9 7 (08) (3)	295 Secs (885 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	336	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ134305.302+270623.9 7 (08) (3)	80 Secs (240 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
3	850lp	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F850LP	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ134305.302+270623.9 7 (08) (3)	200 Secs (600 Secs)		
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
4	606	(2) SDSSJ134305.302+270623.97	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12; CR-SPLIT=2			100 Secs (100 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	



Proposal 15355 - Part1-SDSSJ014618.897-005150.50 (03) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

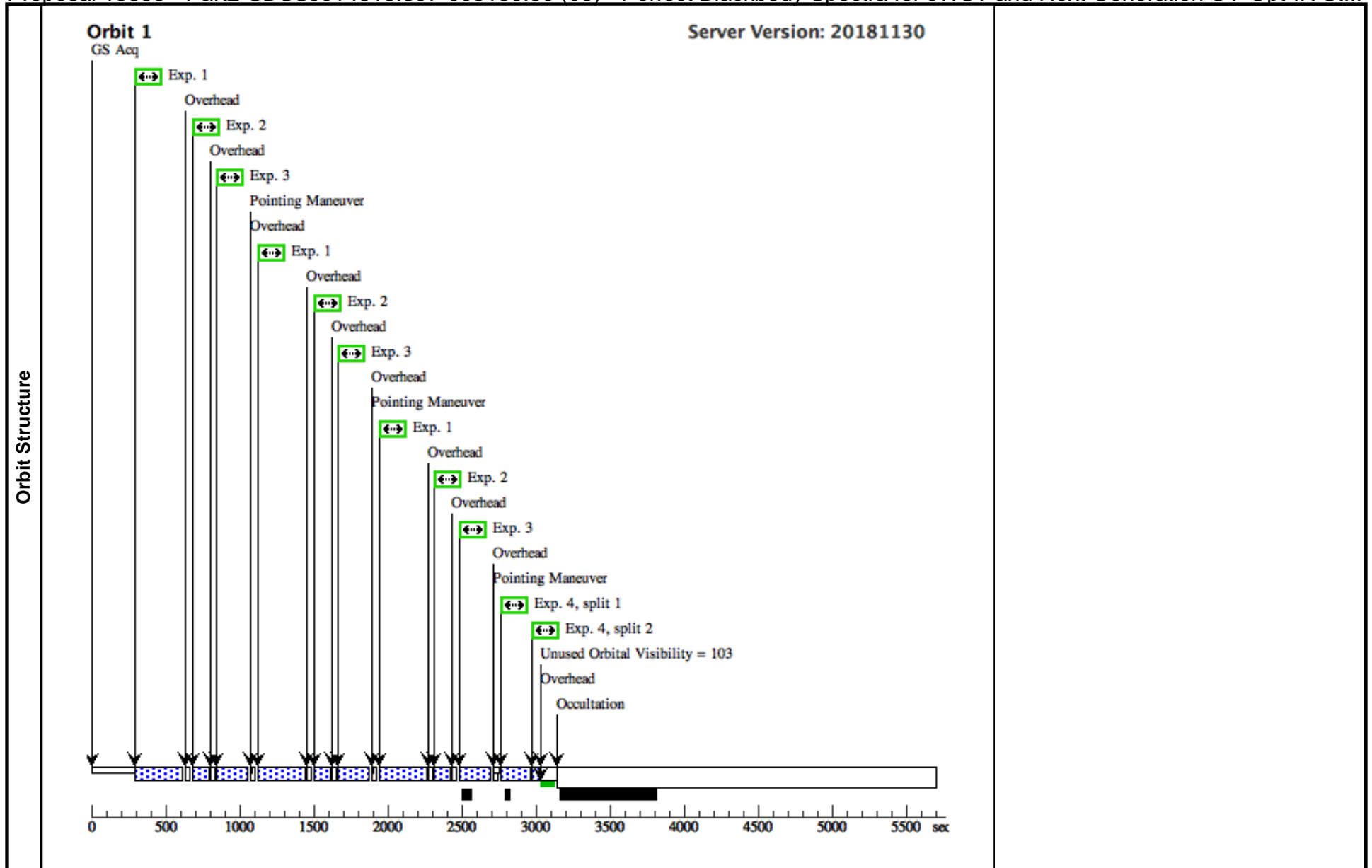
Thu Jan 17 18:00:41 GMT 2019

Visit	<b>Proposal 15355, Part1-SDSSJ014618.897-005150.50 (03), implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-4)						
	(4)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(5)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SDSSJ014618.897-005150.50	RA: 01 46 18.8970 (26.5787375d) Dec: -00 51 50.50 (-.86403d) Equinox: J2000		V=18.167+/-0.019	Reference Frame: ICRS				
<i>Comments:</i> Category=STAR Description=[DC]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	275	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ014618.897-005150.50 (03) (3)	200 Secs (600 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	438	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ014618.897-005150.50 (03) (3)	59 Secs (177 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	3	555	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ014618.897-005150.50 (03) (3)	23 Secs (69 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	4	814	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ014618.897-005150.50 (03) (3)	55 Secs (165 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	5	606	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12		Pattern 4, Exps 5-5 in Part1-SDSSJ014618.897-005150.50 (03) (4)	50 Secs (100 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]



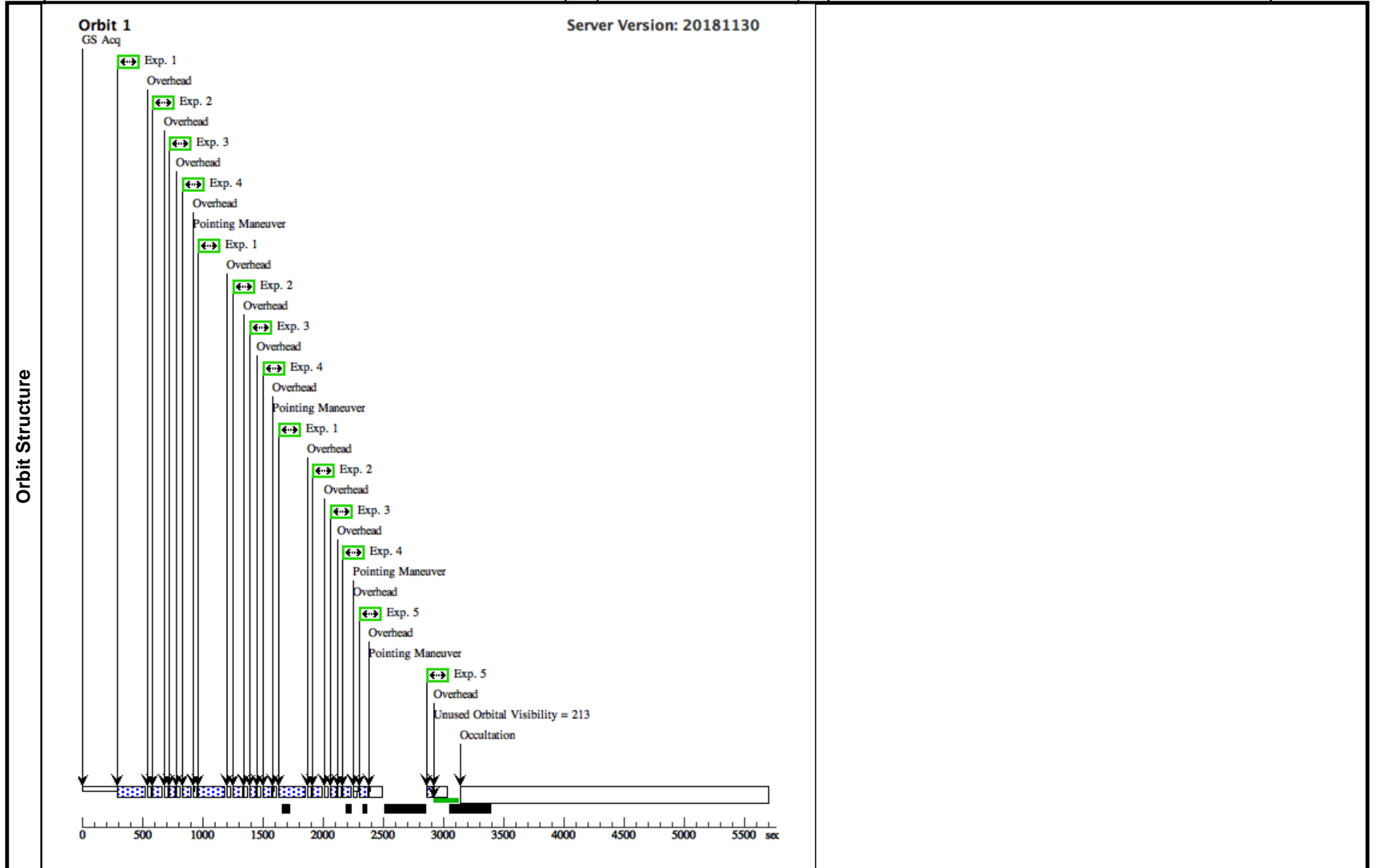
Proposal 15355 - Part2-SDSSJ014618.897-005150.50 (09) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit	Proposal 15355, Part2-SDSSJ014618.897-005150.50 (09), implementation <span style="float: right;">Thu Jan 17 18:00:41 GMT 2019</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 03 BY 175 D TO 300 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SDSSJ014618.897-005150.50	RA: 01 46 18.8970 (26.5787375d) Dec: -00 51 50.50 (-.86403d) Equinox: J2000		V=18.167+/-0.019	Reference Frame: ICRS				
	<i>Comments:</i> Category=STAR Description=[DC]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	225	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ014618.897-005150.50 (09) (3)	295 Secs (885 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	336	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ014618.897-005150.50 (09) (3)	80 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	850lp	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F850LP	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ014618.897-005150.50 (09) (3)	200 Secs (600 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	4	606	(3) SDSSJ014618.897-005150.50	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12; CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]



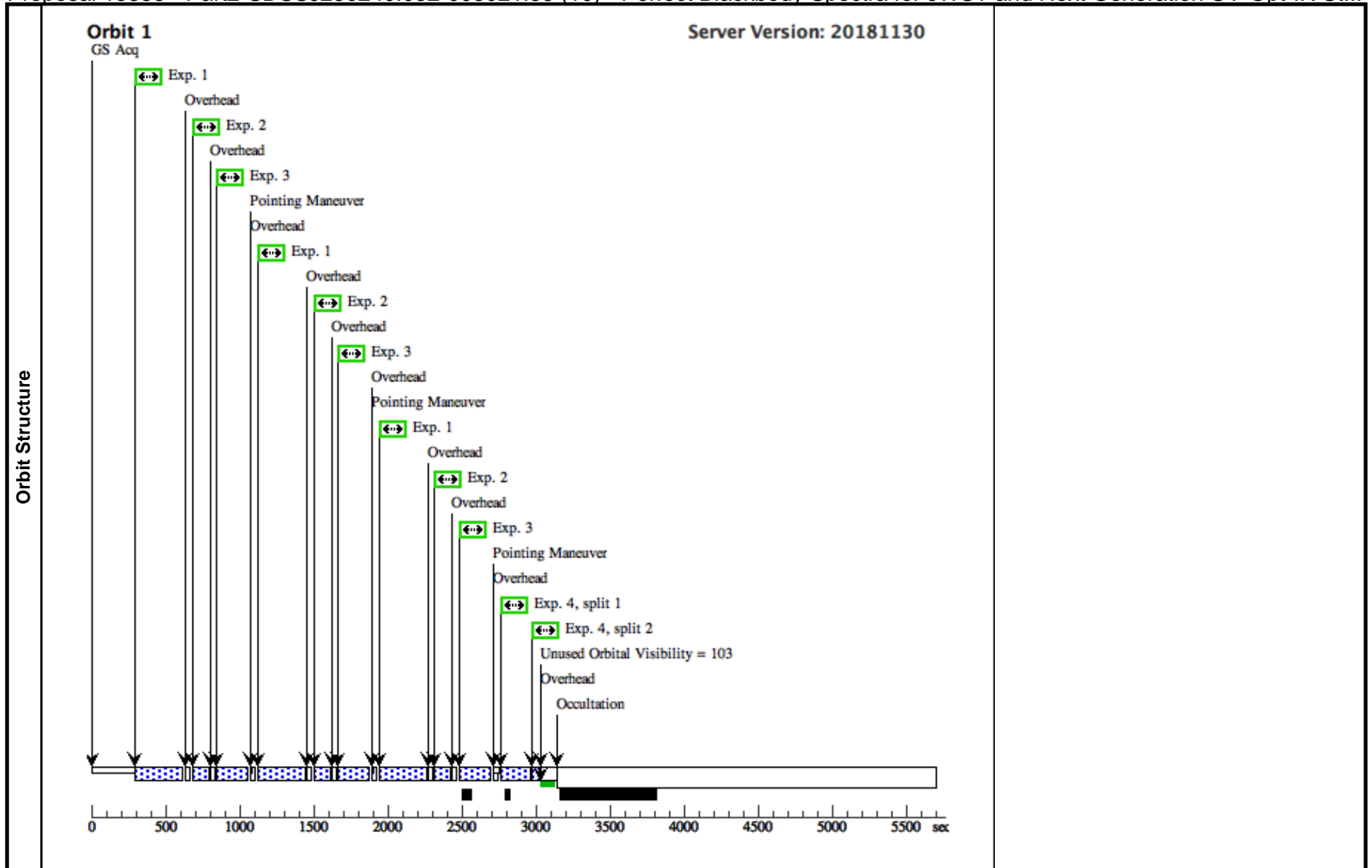
Proposal 15355 - Part1-SDSSJ230240.032-003021.59 (04) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit		<b>Proposal 15355, Part1-SDSSJ230240.032-003021.59 (04), completed</b> <span style="float: right;">Thu Jan 17 18:00:41 GMT 2019</span>							
Patterns		<b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2017:00:00:00 AND 15-DEC-2017:00:00:00							
#	Primary Pattern	Secondary Pattern	Exposures						
(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-4)						
(4)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(5)						
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(4)	SDSSJ230240.032-003021.59	RA: 23 02 40.0320 (345.6668000d) Dec: -00 30 21.59 (-.50600d) Equinox: J2000		V=17.804+/-0.017	Reference Frame: ICRS				
<i>Comments:</i> Category=STAR Description=[DC]									
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	275	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ230240.032-003021.59 (04) (3)	200 Secs (600 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
2	438	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ230240.032-003021.59 (04) (3)	59 Secs (177 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
3	555	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ230240.032-003021.59 (04) (3)	23 Secs (69 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
4	814	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ230240.032-003021.59 (04) (3)	55 Secs (165 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
5	606	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12		Pattern 4, Exps 5-5 in Part1-SDSSJ230240.032-003021.59 (04) (4)	50 Secs (100 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]



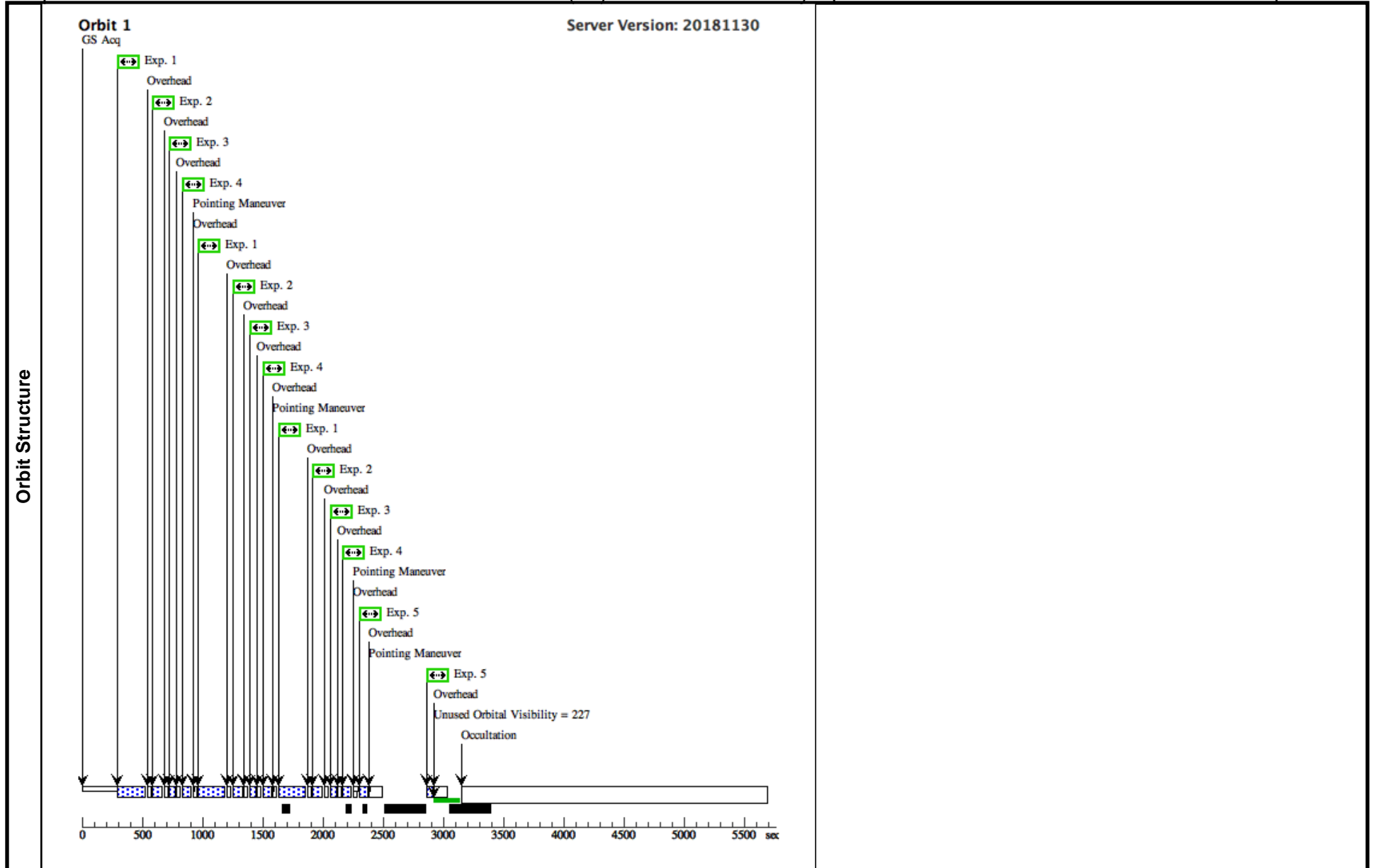
Proposal 15355 - Part2-SDSSJ230240.032-003021.59 (10) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit	Proposal 15355, Part2-SDSSJ230240.032-003021.59 (10), completed <span style="float: right;">Thu Jan 17 18:00:42 GMT 2019</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 04 BY 175 D TO 185 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SDSSJ230240.032-003021.59	RA: 23 02 40.0320 (345.6668000d) Dec: -00 30 21.59 (-.50600d) Equinox: J2000		V=17.804+/-0.017	Reference Frame: ICRS				
	<i>Comments:</i> Category=STAR Description=[DC]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	225	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ230240.032-003021.59 (10) (3)	295 Secs (885 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	336	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ230240.032-003021.59 (10) (3)	80 Secs (240 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	3	850lp	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F850LP	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ230240.032-003021.59 (10) (3)	200 Secs (600 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	4	606	(4) SDSSJ230240.032-003021.59	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12; CR-SPLIT=2			100 Secs (100 Secs) [=>(Split 1)] [=>(Split 2)]	[1]



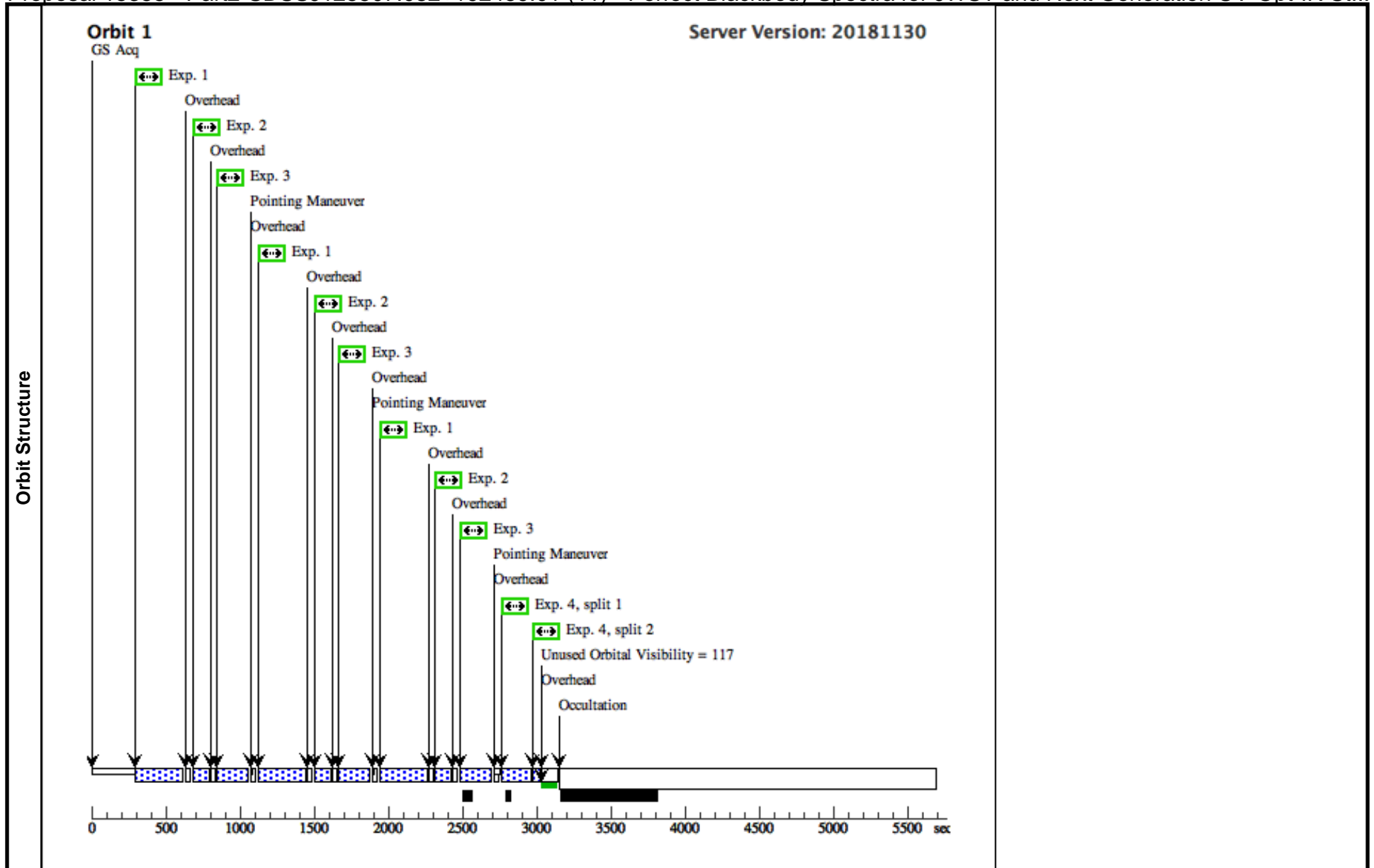
Proposal 15355 - Part1-SDSSJ125507.082+192459.01 (05) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit		<b>Proposal 15355, Part1-SDSSJ125507.082+192459.01 (05), completed</b>						Thu Jan 17 18:00:42 GMT 2019	
Patterns		<b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 20-DEC-2017:00:00:00 AND 04-JAN-2018:00:00:00							
#	Primary Pattern	Secondary Pattern	Exposures						
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.135 Line Spacing=		(1-4)						
(4)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=		(5)						
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(5)	SDSSJ125507.082+192459.01	RA: 12 55 7.0820 (193.7795083d) Dec: +19 24 59.01 (19.41639d) Equinox: J2000		V=18.527+/-0.019	Reference Frame: ICRS				
<i>Comments:</i> <i>Category=STAR</i> <i>Description=[DC]</i>									
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	275	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ125507.082+192459.01 (05) (3)	200 Secs (600 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
2	438	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ125507.082+192459.01 (05) (3)	59 Secs (177 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
3	555	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ125507.082+192459.01 (05) (3)	23 Secs (69 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
4	814	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ125507.082+192459.01 (05) (3)	55 Secs (165 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
5	606	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12		Pattern 4, Exps 5-5 in Part1-SDSSJ125507.082+192459.01 (05) (4)	50 Secs (100 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]



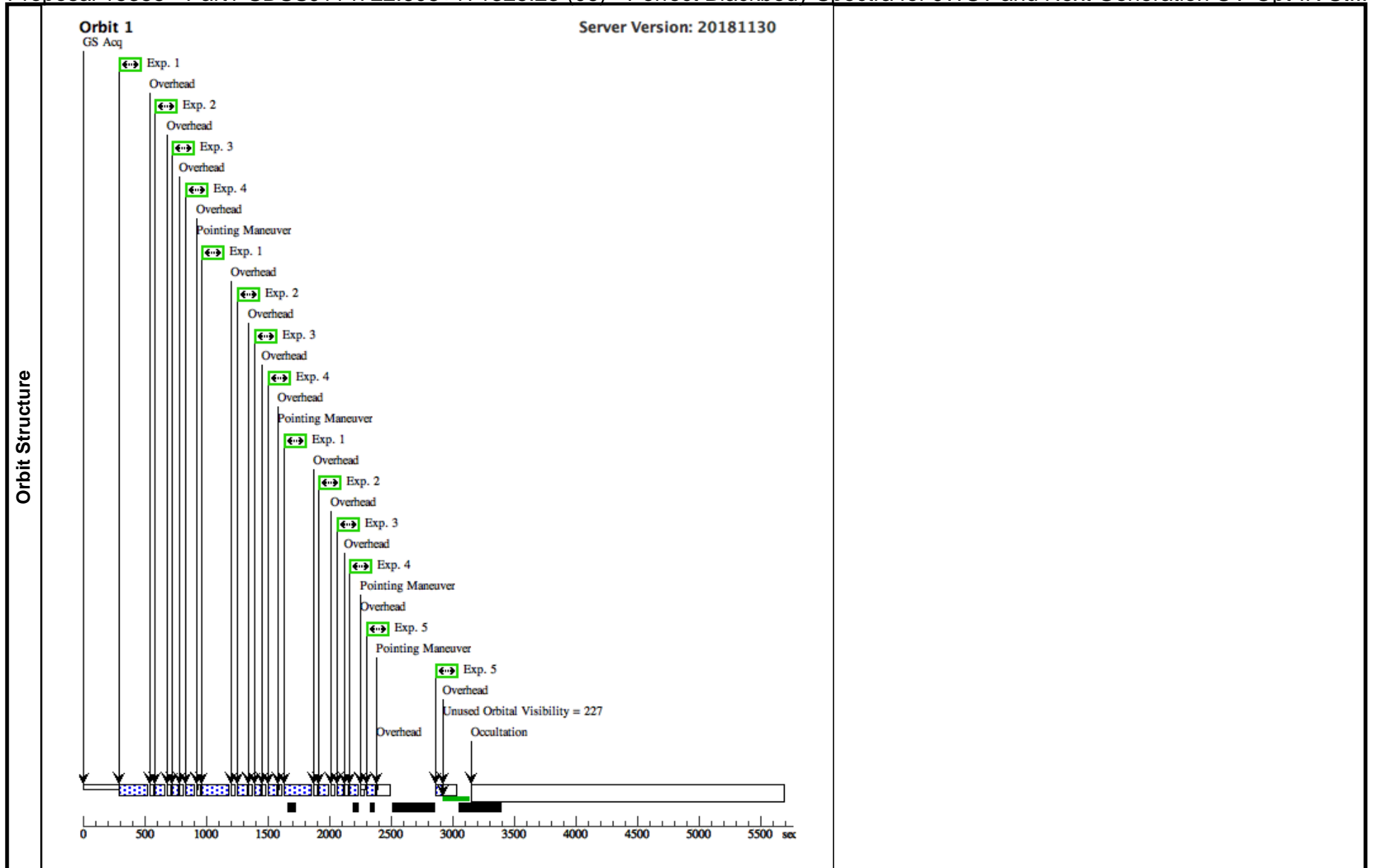
Proposal 15355 - Part2-SDSSJ125507.082+192459.01 (11) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit		<b>Proposal 15355, Part2-SDSSJ125507.082+192459.01 (11), completed</b> <span style="float: right;">Thu Jan 17 18:00:42 GMT 2019</span>								
Diagnostic Status: No Diagnostics										
Scientific Instruments: WFC3/UVIS										
Special Requirements: AFTER 05 BY 175 D TO 185 D										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	SDSSJ125507.082+192459.01	RA: 12 55 7.0820 (193.7795083d) Dec: +19 24 59.01 (19.41639d) Equinox: J2000		V=18.527+/-0.019	Reference Frame: ICRS				
<i>Comments:</i> Category=STAR Description=[DC]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	225	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ125507.082+192459.01 (1) (3)	295 Secs (885 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	336	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ125507.082+192459.01 (1) (3)	80 Secs (240 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
3	850lp	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F850LP	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ125507.082+192459.01 (1) (3)	200 Secs (600 Secs)		
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
4	606	(5) SDSSJ125507.082+192459.01	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12; CR-SPLIT=2			100 Secs (100 Secs)		
								[==>(Split 1)] [==>(Split 2)]	[1]	



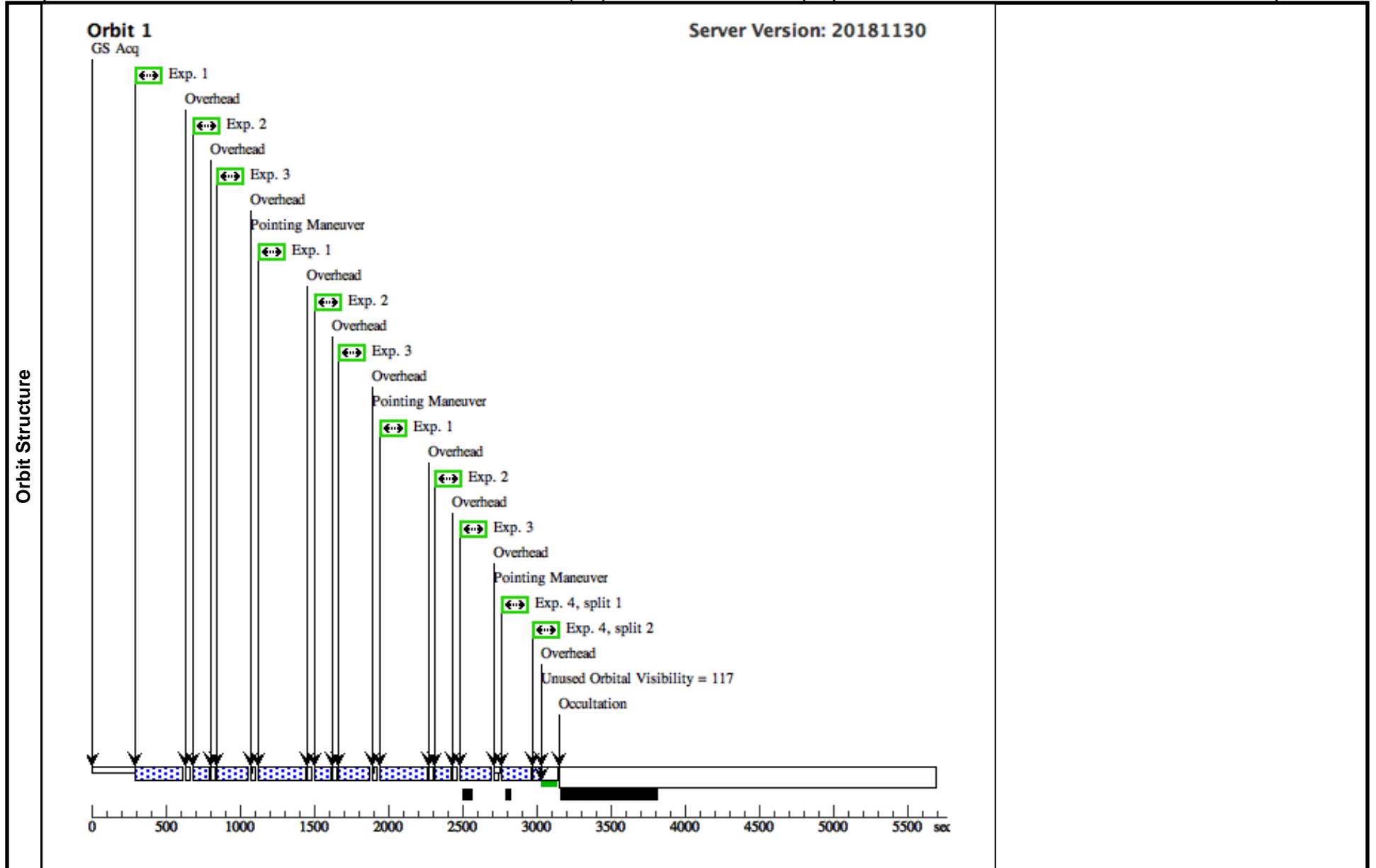
Proposal 15355 - Part1-SDSSJ114722.608+171325.23 (06) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit	<b>Proposal 15355, Part1-SDSSJ114722.608+171325.23 (06), completed</b> <span style="float: right;">Thu Jan 17 18:00:42 GMT 2019</span>									
	<b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 05-DEC-2017:00:00:00 AND 19-DEC-2017:00:00:00									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-4)					
(4)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(5)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	SDSSJ114722.608+171325.23	RA: 11 47 42.6080 (176.9275333d) Dec: +17 13 25.23 (17.22368d) Equinox: J2000		V=18.849+/-0.025	Reference Frame: ICRS				
<i>Comments:</i> Category=STAR Description=[DC]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	275	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ114722.608+171325.23 (06) (3)	200 Secs (600 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	438	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ114722.608+171325.23 (06) (3)	59 Secs (177 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	3	555	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ114722.608+171325.23 (06) (3)	23 Secs (69 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	4	814	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	FLASH=12		Pattern 3, Exps 1-4 in Part1-SDSSJ114722.608+171325.23 (06) (3)	55 Secs (165 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	5	606	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12		Pattern 4, Exps 5-5 in Part1-SDSSJ114722.608+171325.23 (06) (4)	50 Secs (100 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 15355 - Part2-SDSSJ114722.608+171325.23 (12) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit	<b>Proposal 15355, Part2-SDSSJ114722.608+171325.23 (12), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 06 BY 175 D TO 185 D					Thu Jan 17 18:00:42 GMT 2019				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	(3)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.135 Line Spacing=			(1-3)					
	(6)	SDSSJ114722.608+171325.23	RA: 11 47 42.6080 (176.9275333d) Dec: +17 13 25.23 (17.22368d) Equinox: J2000		V=18.849+/-0.025	Reference Frame: ICRS				
	1	225	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ114722.608+171325.23 (1 2) (3)	295 Secs (885 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	336	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ114722.608+171325.23 (1 2) (3)	80 Secs (240 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	850lp	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F850LP	FLASH=12		Pattern 3, Exps 1-3 in Part2-SDSSJ114722.608+171325.23 (1 2) (3)	200 Secs (600 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	4	606	(6) SDSSJ114722.608+171325.23	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12; CR-SPLIT=2			100 Secs (100 Secs) [==>(Split 1)] [==>(Split 2)]	[1]

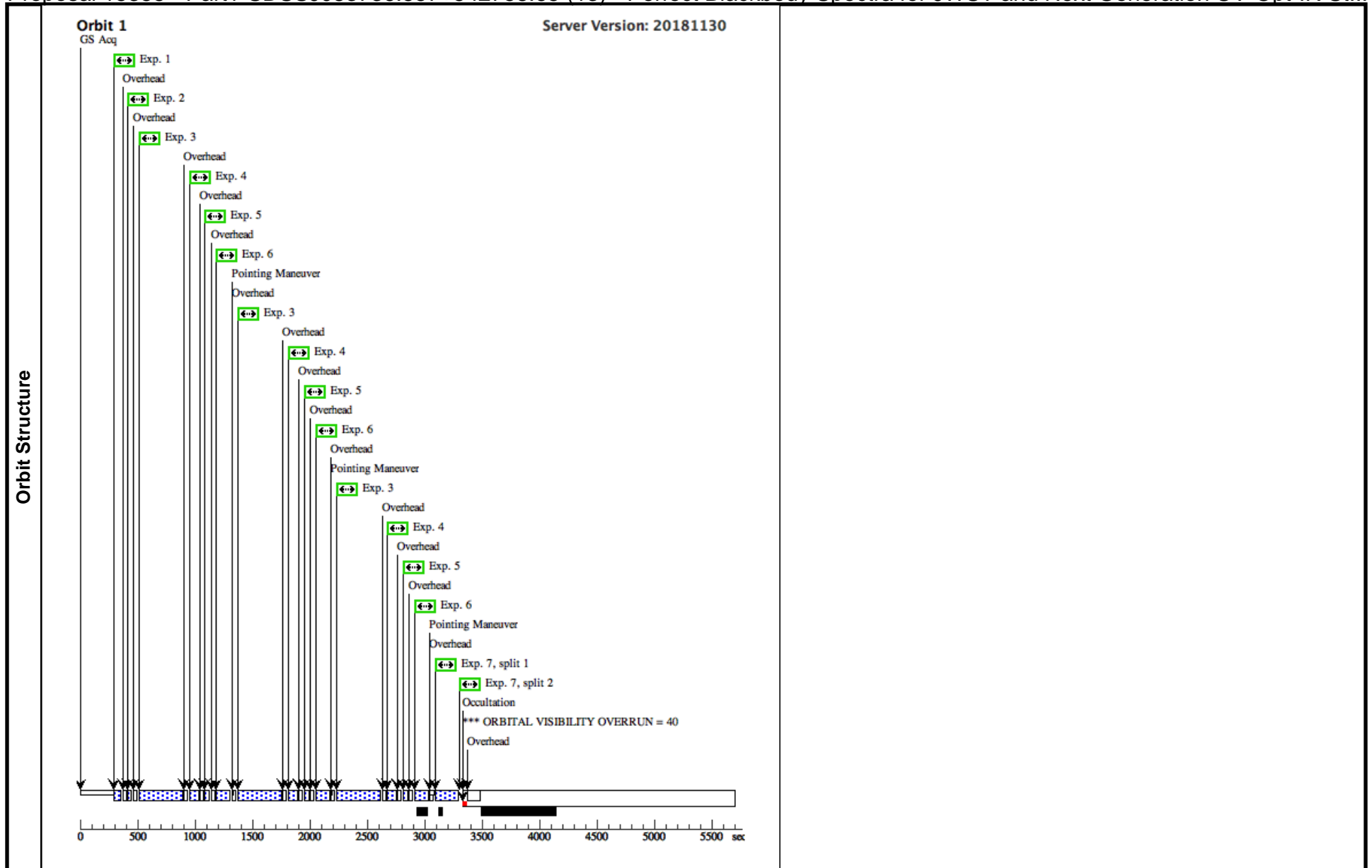


Proposal 15355 - Part1-SDSSJ083736.557+542758.65 (13) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

<b>Visit</b>	Proposal 15355, Part1-SDSSJ083736.557+542758.65 (13), completed <span style="float: right;">Thu Jan 17 18:00:42 GMT 2019</span> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 16-OCT-2017:00:00:00 AND 30-OCT-2017:00:00:00; BETWEEN 01-APR-2018:00:00:00 AND 30-APR-2018:00:00:00					
	<b>Diagnostics</b> (Part1-SDSSJ083736.557+542758.65 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>		
	(3)	Pattern Type=WFC3-UVIS-DITHER- Coordinate Frame=POS-TARG LINE-3PT Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.135 Line Spacing=		(3-6)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(7)	SDSSJ083736.557+542758.65	RA: 08 37 36.5570 (129.4023208d) Dec: +54 27 58.65 (54.46629d) Equinox: J2000		V=18.734+/-0.027	Reference Frame: ICRS
Comments: Category=STAR Description=[DC]						

Proposal 15355 - Part1-SDSSJ083736.557+542758.65 (13) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	814	(7) SDSSJ083736.55 7+542758.65	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	FLASH=12			31 Secs (31 Secs)	
									[==>]	[1]
	2	814	(7) SDSSJ083736.55 7+542758.65	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	FLASH=12			31 Secs (31 Secs)	
									[==>]	[1]
	3	275	(7) SDSSJ083736.55 7+542758.65	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	FLASH=12		Pattern 3, Exps 3-6 i n Part1-SDSSJ08373 6.557+542758.65 (1 3) (3)	357 Secs (1071 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
								[==>(Pattern 3)]		
4	438	(7) SDSSJ083736.55 7+542758.65	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	FLASH=12		Pattern 3, Exps 3-6 i n Part1-SDSSJ08373 6.557+542758.65 (1 3) (3)	53 Secs (159 Secs)		
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]		
								[==>(Pattern 3)]		
5	555	(7) SDSSJ083736.55 7+542758.65	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=12		Pattern 3, Exps 3-6 i n Part1-SDSSJ08373 6.557+542758.65 (1 3) (3)	17 Secs (51 Secs)		
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]		
								[==>(Pattern 3)]		
6	850lp	(7) SDSSJ083736.55 7+542758.65	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F850LP	FLASH=12		Pattern 3, Exps 3-6 i n Part1-SDSSJ08373 6.557+542758.65 (1 3) (3)	106 Secs (318 Secs)		
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]		
								[==>(Pattern 3)]		
7	606	(7) SDSSJ083736.55 7+542758.65	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12; CR-SPLIT=2			100 Secs (100 Secs)		
								[==>(Split 1)]	[1]	
								[==>(Split 2)]		



Proposal 15355 - Part2-SDSSJ083736.557+542758.65 (14) - Perfect Blackbody Spectra for JWST and Next Generation UV-Opt-IR St...

Visit		<b>Proposal 15355, Part2-SDSSJ083736.557+542758.65 (14), completed</b> <span style="float: right;">Thu Jan 17 18:00:42 GMT 2019</span>								
Diagnostic Status: No Diagnostics										
Scientific Instruments: WFC3/UVIS										
Special Requirements: AFTER 13 BY 175 D TO 185 D										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	SDSSJ083736.557+542758.65	RA: 08 37 36.5570 (129.4023208d) Dec: +54 27 58.65 (54.46629d) Equinox: J2000		V=18.734+/-0.027	Reference Frame: ICRS				
<i>Comments:</i> Category=STAR Description=[DC]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	225	(7) SDSSJ083736.557+542758.65	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	FLASH=12		Pattern 3, Exps 1-2 in Part2-SDSSJ083736.557+542758.65 (14) (3)	645 Secs (1935 Secs)	
										[1]
	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]									
2	336	(7) SDSSJ083736.557+542758.65	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	FLASH=12		Pattern 3, Exps 1-2 in Part2-SDSSJ083736.557+542758.65 (14) (3)	103 Secs (309 Secs)		
									[1]	
[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]										
3	606	(7) SDSSJ083736.557+542758.65	WFC3/UVIS, ACCUM, UVIS2-FIX	F606W	FLASH=12; CR-SPLIT=2			100 Secs (100 Secs)		
									[1]	
[==>(Split 1)] [==>(Split 2)]										

