



15816 - CALSPEC+: Extending the HST spectrophotometric library to provide the best calibration possible for Gaia and JWST

Cycle: 27, Proposal Category: GO

(Calibration)

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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) GAIA-DR2-4057241204098861056 CCDFLAT WAVE	STIS/CCD	1	26-Jan-2021 15:00:17.0	yes
02	(1) GAIA-DR2-4057241204098861056	WFC3/IR	1	26-Jan-2021 15:00:20.0	yes
03	(2) GAIA-DR2-5878012835951377024 CCDFLAT WAVE	STIS/CCD	1	26-Jan-2021 15:00:22.0	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>
07	(2) GAIA-DR2-5878012835951377024	WFC3/IR	1	26-Jan-2021 15:00:26.0	yes
05	(4) GAIA-DR2-5885213881202037632 CCDFLAT WAVE	STIS/CCD	1	26-Jan-2021 15:00:27.0	yes
09	(4) GAIA-DR2-5885213881202037632	WFC3/IR	1	26-Jan-2021 15:00:31.0	yes
06	(5) GAIA-DR2-5876908621389460224 CCDFLAT WAVE	STIS/CCD	1	26-Jan-2021 15:00:33.0	yes
08	(5) GAIA-DR2-5876908621389460224	WFC3/IR	1	26-Jan-2021 15:00:36.0	yes
04	(3) GAIA-DR2-5934903938409251968 CCDFLAT WAVE	STIS/CCD	1	26-Jan-2021 15:00:37.0	yes
10	(3) GAIA-DR2-5934903938409251968	WFC3/IR	1	26-Jan-2021 15:00:38.0	yes

10 Total Orbits Used

ABSTRACT

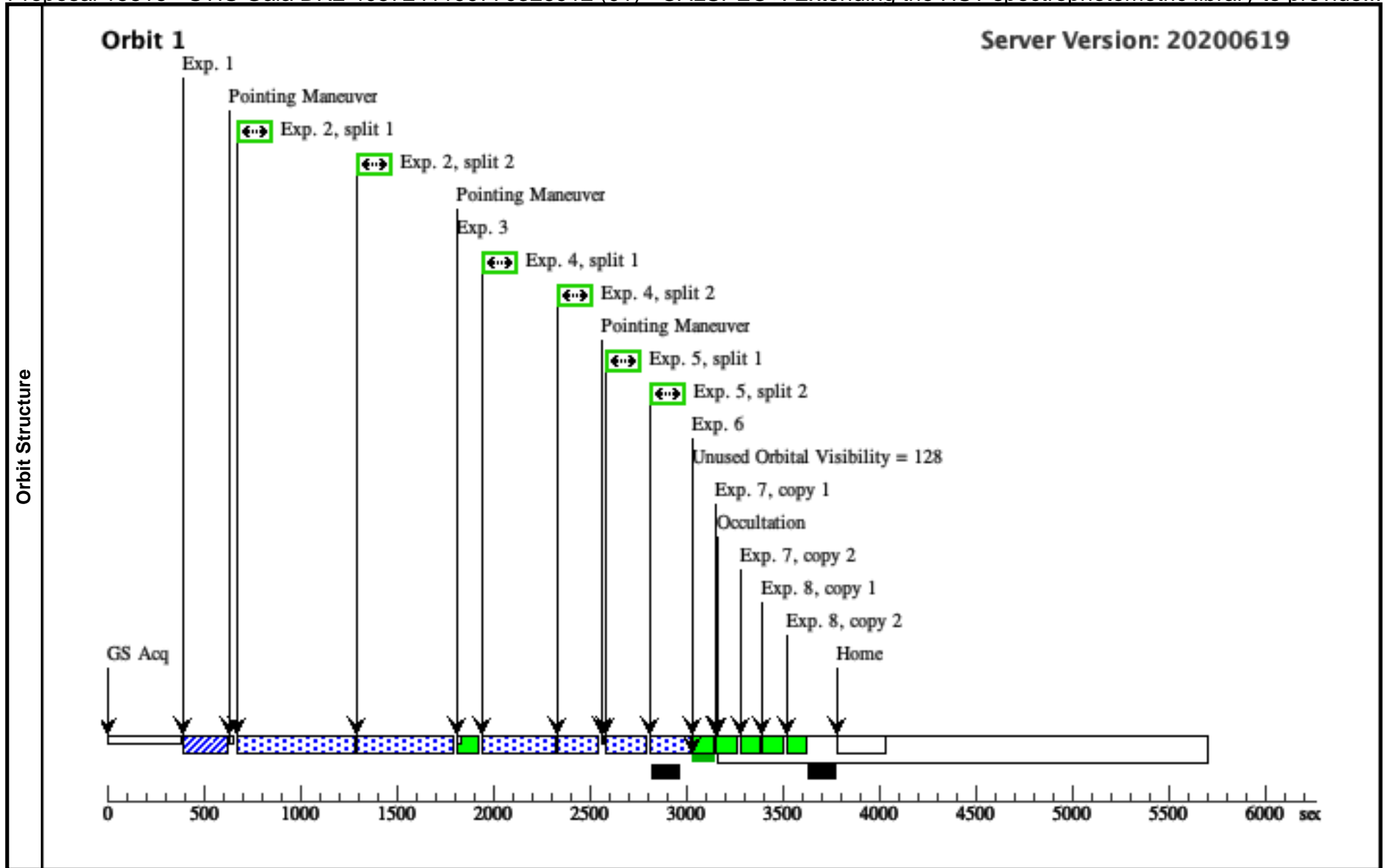
We propose extending the currently accepted database of gold-standard flux distributions, CALSPEC, to include HST spectrophotometry of ten more extremely red stars in the 2900-17 000 Angstroms range. Using STIS G430L+G750L and WFC3 G102+G141 we will attain an absolute flux calibration of 1% or better. The immediate goal of this proposal is to improve the current calibration of the Gaia DR2 G+G_BP+G_RP photometry, the forthcoming Gaia EDR3 photometry, and to generate a library to calibrate the future Gaia DR3 spectrophotometry.. It will also considerably extend the limited library of high-quality NIR spectrophotometry to tie in the HST and JWST calibrations. This program can only be attempted with HST, as ground-based studies are limited in accuracy and wavelength coverage.

OBSERVING DESCRIPTION

We propose extending the currently accepted database of gold-standard flux distributions, CALSPEC, to include HST spectrophotometry of ten more extremely red stars in the 2900-17 000 Angstroms range. Using STIS G430L+G750L and WFC3 G102+G141 we will attain an absolute flux calibration of 1% or better. The immediate goal of this proposal is to improve the current calibration of the Gaia DR2 G+G_BP+G_RP photometry, the forthcoming Gaia EDR3 photometry, and to generate a library to calibrate the future Gaia DR3 spectrophotometry.. It will also considerably extend the limited library of high-quality NIR spectrophotometry to tie in the HST and JWST calibrations. This program can only be attempted with HST, as ground-based studies are limited in accuracy and wavelength coverage.

Proposal 15816 - STIS Gaia DR2 4057241199770326912 (01) - CALSPEC+: Extending the HST spectrophotometric library to provide...

Visit	Proposal 15816, STIS Gaia DR2 4057241199770326912 (01), scheduled Tue Jan 26 20:00:39 GMT 2021									
	Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 355D TO 355 D Comments: Original orientation (310.0+45.0=355.0). Target is 2MASS J17491647-2912335. Companion is Gaia DR2 4057241199770326912 = 2MASS J17491685-2912376 and is 6.4" away. STIS ETC IDs: STIS.ta.1370749 (ACO), STIS.sp.1370752 (G430L), STIS.sp.1370751 (G750L GAIN=4)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	GAIA-DR2-4057241204098861056	RA: 17 49 16.4827 (267.3186779d) Dec: -29 12 33.50 (-29.20931d) Equinox: J2000	Proper Motion RA: -1.133 mas/yr Proper Motion Dec: -2.971 mas/yr Epoch of Position: 2000	V=(?) G=13.1043	Reference Frame: ICRS				
Comments: Category=STAR Description=[K III-I] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) GAIA-DR2-4057241204098861056	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)	
									[==>]	[1]
	2		(1) GAIA-DR2-4057241204098861056	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A	CR-SPLIT=2; WAVECAL=NO			944 Secs (944 Secs)	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
	3	WAVE		STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=NO			[==>]	[1]
	4		(1) GAIA-DR2-4057241204098861056	STIS/CCD, ACCUM, 52X2	G750L 7751 A	WAVECAL=NO; CR-SPLIT=2			354 Secs (354 Secs)	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
Comments: Our pair of targets are separated by only ~6", so the center G750L position can be used to optimize the fringe correction.										
5		(1) GAIA-DR2-4057241204098861056	STIS/CCD, ACCUM, 52X2	G750L 7751 A	WAVECAL=NO; CR-SPLIT=2	POS TARG 0,6,4			354 Secs (354 Secs)	
								[==>(Split 1)]	[1]	
								[==>(Split 2)]		
Comments: Our pair of targets are separated by only ~6.4", so the center G750L position can be used										
6	WAVE		STIS/CCD, ACCUM, 52X0.2	G750L 7751 A	CR-SPLIT=NO				[==>]	[1]
7	CCDFLAT 0.3x0.9	CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A					[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
8	CCDFLAT		STIS/CCD, ACCUM, 52X0.1	G750L 7751 A					[==>(Copy 1)]	[1]
									[==>(Copy 2)]	



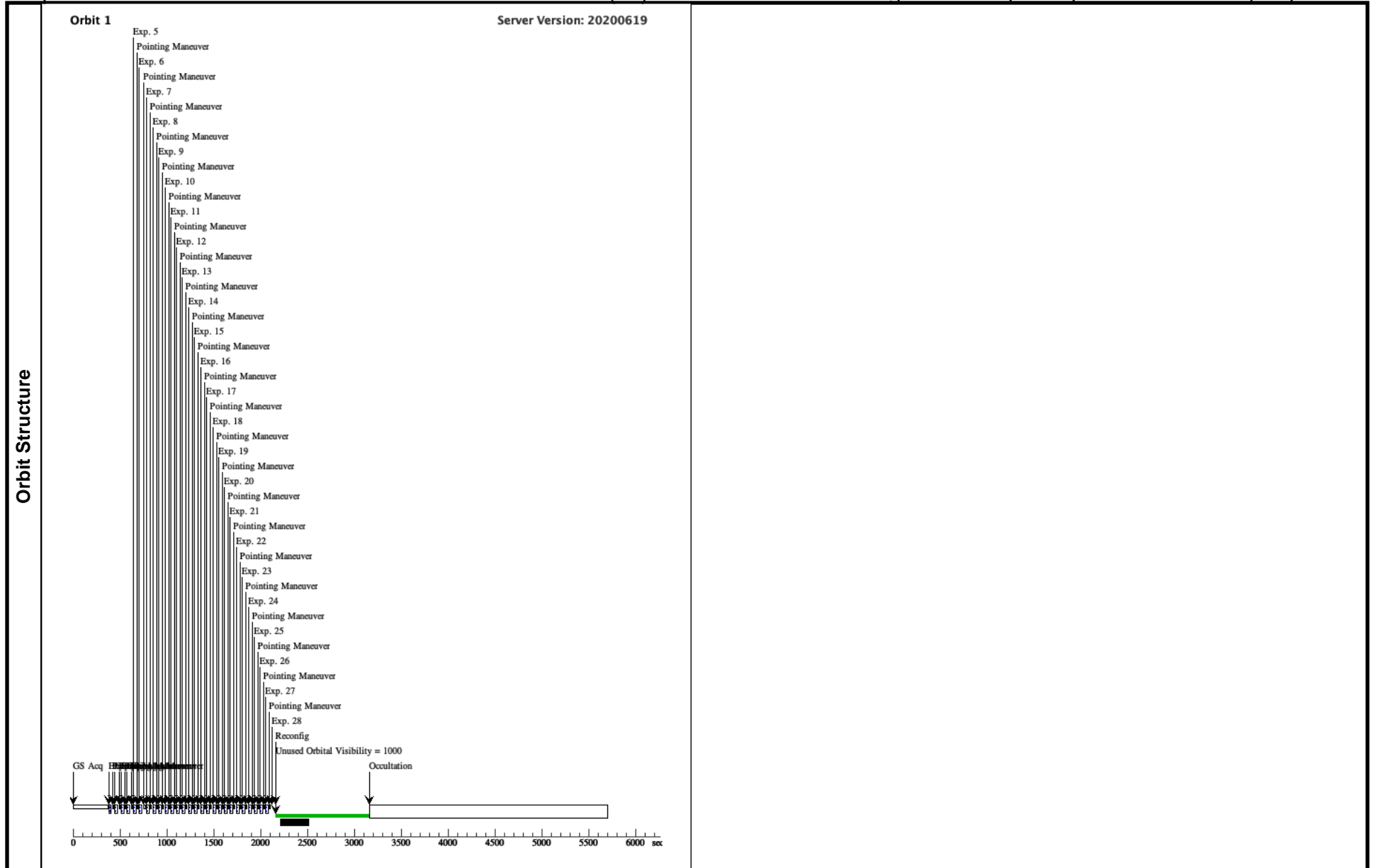
Visit	Proposal 15816, WFC3 Gaia DR2 4057241199770326912 (02), implementation																		
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 270D TO 270 D																		
Diagnostics	(WFC3 Gaia DR2 4057241199770326912 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE																		
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	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>GAIA-DR2-4057241204098861056</td> <td>RA: 17 49 16.4827 (267.3186779d) Dec: -29 12 33.50 (-29.20931d) Equinox: J2000</td> <td>Proper Motion RA: -1.133 mas/yr Proper Motion Dec: -2.971 mas/yr Epoch of Position: 2000</td> <td>V=(?) G=13.1043</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	GAIA-DR2-4057241204098861056	RA: 17 49 16.4827 (267.3186779d) Dec: -29 12 33.50 (-29.20931d) Equinox: J2000	Proper Motion RA: -1.133 mas/yr Proper Motion Dec: -2.971 mas/yr Epoch of Position: 2000	V=(?) G=13.1043	Reference Frame: ICRS	Comments: Category=STAR Description=[K III-I] Extended=NO				
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(1)	GAIA-DR2-4057241204098861056	RA: 17 49 16.4827 (267.3186779d) Dec: -29 12 33.50 (-29.20931d) Equinox: J2000	Proper Motion RA: -1.133 mas/yr Proper Motion Dec: -2.971 mas/yr Epoch of Position: 2000	V=(?) G=13.1043	Reference Frame: ICRS														

Proposal 15816 - WFC3 Gaia DR2 4057241199770326912 (02) - CALSPEC+: Extending the HST spectrophotometric library to provid...

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	F126N	NSAMP=4; SAMP-SEQ=RAPID			0.45082 Secs (0.451 Secs)	[1]	
	2	G102 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,-2		5.971189 Secs (5.971 Secs)	[1]	
	3	G102 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,-1		5.971189 Secs (5.971 Secs)	[1]	
	4	G102 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,0		5.971189 Secs (5.971 Secs)	[1]	
	5	G102 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,+1		5.971189 Secs (5.971 Secs)	[1]	
	6	G102 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,+2		5.971189 Secs (5.971 Secs)	[1]	
	7	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-1		0.90164 Secs (0.902 Secs)	[1]	
	8	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-1		0.90164 Secs (0.902 Secs)	[1]	
	9	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-2		0.90164 Secs (0.902 Secs)	[1]	
	10	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-2		0.90164 Secs (0.902 Secs)	[1]	
	11	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-3		0.90164 Secs (0.902 Secs)	[1]	
	12	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-3		0.90164 Secs (0.902 Secs)	[1]	
	13	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-4		0.90164 Secs (0.902 Secs)	[1]	
	14	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-4		0.90164 Secs (0.902 Secs)	[1]	
	15	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-5		0.90164 Secs (0.902 Secs)	[1]	
	16	G141 (1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-5		0.90164 Secs (0.902 Secs)	[1]	

Proposal 15816 - WFC3 Gaia DR2 4057241199770326912 (02) - CALSPEC+: Extending the HST spectrophotometric library to provid...

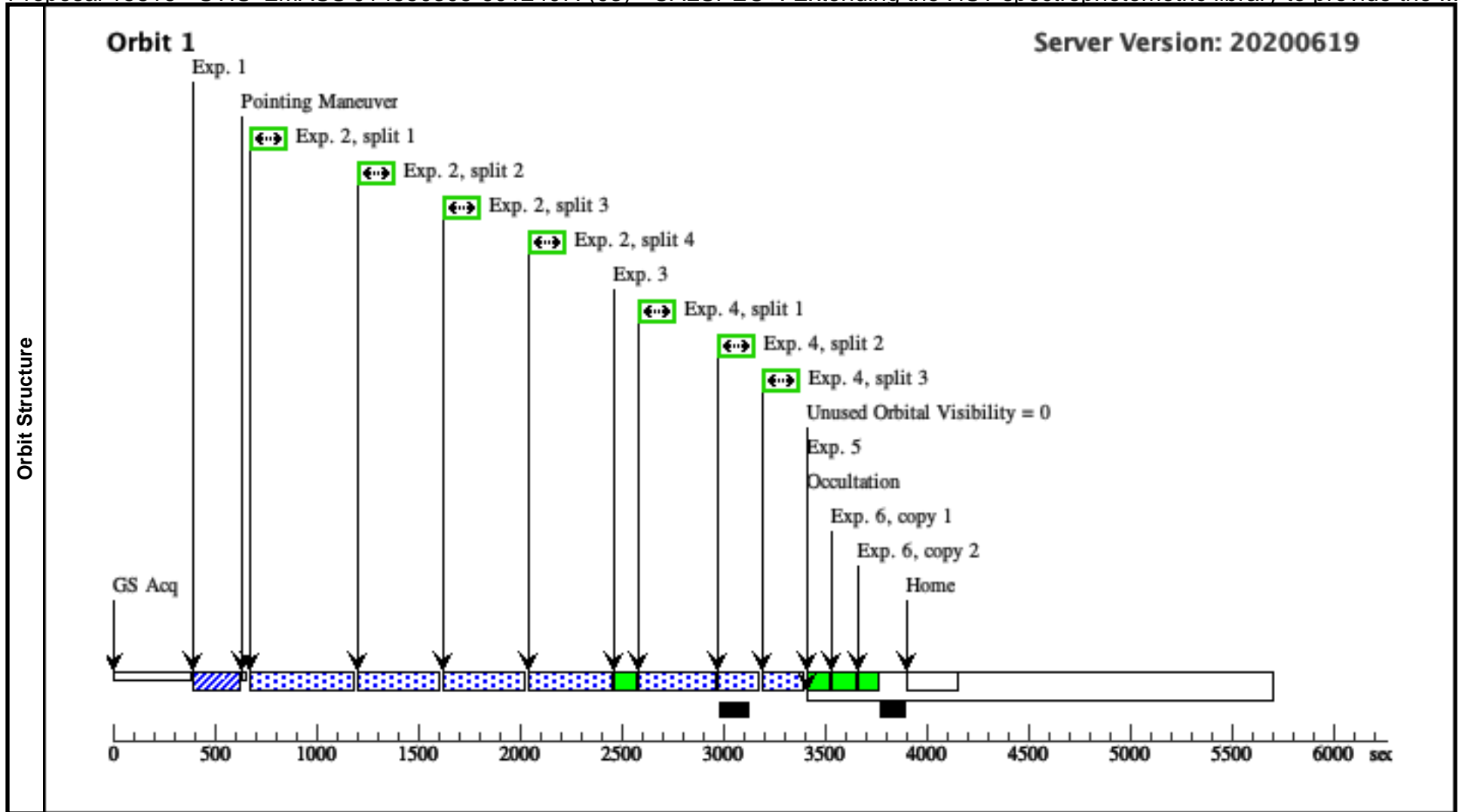
17	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-6	0.90164 Secs (0.902 Secs)	[1]
18	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-6	0.90164 Secs (0.902 Secs)	[1]
19	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-7	0.90164 Secs (0.902 Secs)	[1]
20	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-7	0.90164 Secs (0.902 Secs)	[1]
21	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-8	0.90164 Secs (0.902 Secs)	[1]
22	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-8	0.90164 Secs (0.902 Secs)	[1]
23	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-9	0.90164 Secs (0.902 Secs)	[1]
24	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-9	0.90164 Secs (0.902 Secs)	[1]
25	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-10	0.90164 Secs (0.902 Secs)	[1]
26	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-10	0.90164 Secs (0.902 Secs)	[1]
27	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-11	0.90164 Secs (0.902 Secs)	[1]
28	G141	(1) GAIA-DR2-4057 241204098861056	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG +3,-11	0.90164 Secs (0.902 Secs)	[1]



Proposal 15816 - STIS 2MASS J14550305-6012407. (03) - CALSPEC+: Extending the HST spectrophotometric library to provide the ...

Tue Jan 26 20:00:39 GMT 2021

Visit	Proposal 15816, STIS 2MASS J14550305-6012407. (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 88.8D TO 88.8 D Comments: Original orientation-180 (223.8-180.0+45.0=88.8). Target is 2MASS J14550305-6012407. Companion is Gaia DR2 5878012840282203008 = 2MASS J14550096-6012568 and is 22.4" away. STIS ETC IDs: STIS.ta.1370721 (ACO), STIS.sp.1370737 (G430L), STIS.sp.1370733 (G750L GAIN=4)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	GAIA-DR2-5878012835951377024	RA: 14 55 3.0470 (223.7626958d) Dec: -60 12 40.85 (-60.21135d) Equinox: J2000		V=(?) G=13.1008	Reference Frame: ICRS				
	Comments: Category=STAR Description=[K III-I] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GAIA-DR2-5878012835951377024	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs) [==>]	[1]
	2		(2) GAIA-DR2-5878012835951377024	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A	WAVECAL=NO; CR-SPLIT=4			1500 Secs (1500 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	3	WAVE		STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=NO			[==>]	[1]
	4		(2) GAIA-DR2-5878012835951377024	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A	WAVECAL=NO; GAIN=4; CR-SPLIT=3			516 Secs (516 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)]	[1]
	Comments: time to saturation ~215s ---> need crsplit=3									
	5	WAVE		STIS/CCD, ACCUM, 52X0.2	G750L 7751 A	CR-SPLIT=NO			[==>]	[1]
6	CCDFLAT		STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]	



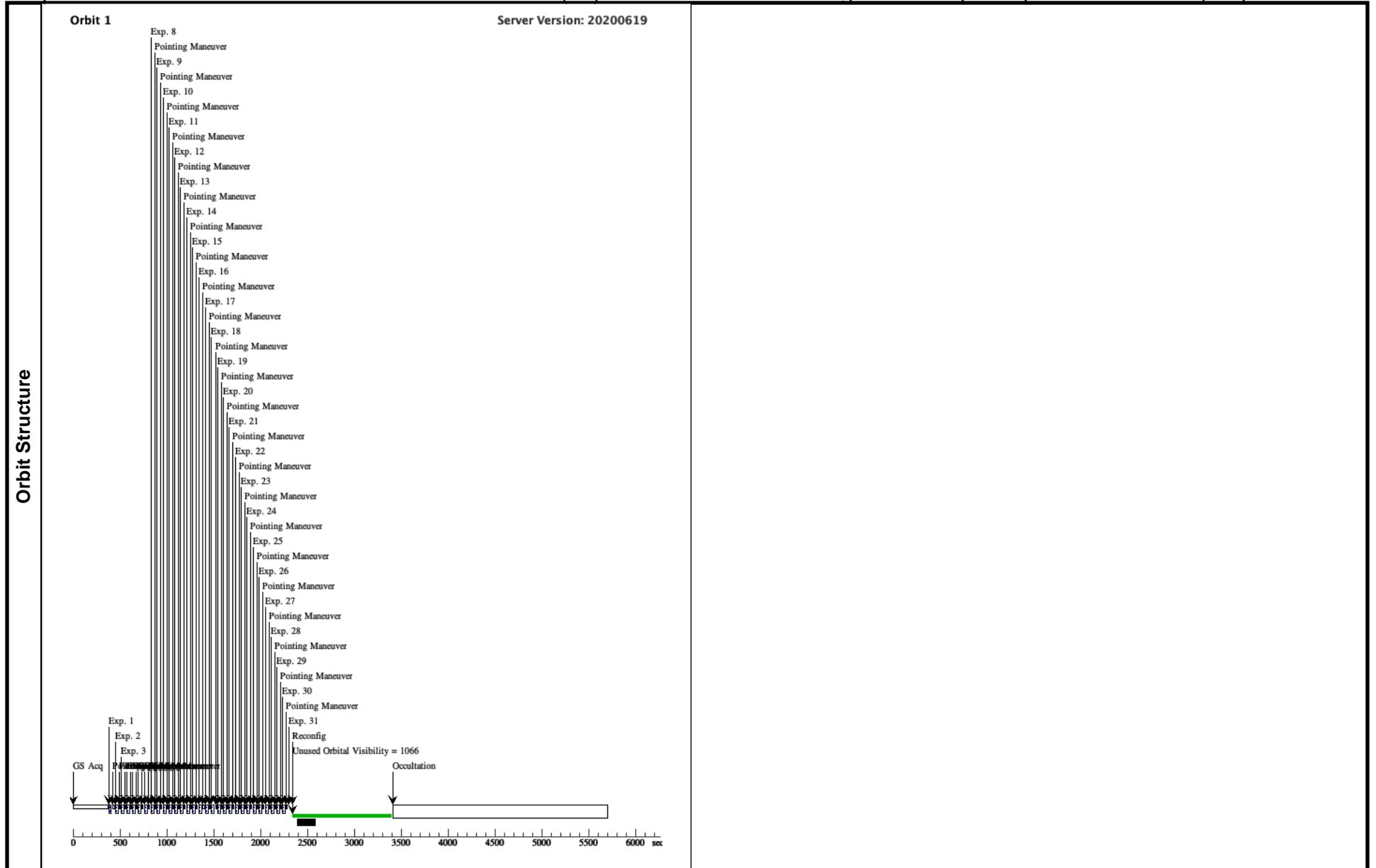
Visit	Proposal 15816, WFC3 2MASS J14550305-6012407. (07), implementation																	
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 154D TO 157 D																	
Diagnostics	(WFC3 2MASS J14550305-6012407. (07)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE																	
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	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>GAIA-DR2-5878012835951377024</td> <td>RA: 14 55 3.0470 (223.7626958d) Dec: -60 12 40.85 (-60.21135d) Equinox: J2000</td> <td></td> <td>V=(?) G=13.1008</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	GAIA-DR2-5878012835951377024	RA: 14 55 3.0470 (223.7626958d) Dec: -60 12 40.85 (-60.21135d) Equinox: J2000		V=(?) G=13.1008	Reference Frame: ICRS	Comments: Category=STAR Description=[K III-I] Extended=NO			
		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(2)	GAIA-DR2-5878012835951377024	RA: 14 55 3.0470 (223.7626958d) Dec: -60 12 40.85 (-60.21135d) Equinox: J2000		V=(?) G=13.1008	Reference Frame: ICRS													

Proposal 15816 - WFC3 2MASS J14550305-6012407. (07) - CALSPEC+: Extending the HST spectrophotometric library to provide the...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	F126N	NSAMP=2; SAMP-SEQ=RAPID			0.22541 Secs (0.225 Secs) [==>]	[1]
	2		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,-2		2.22252 Secs (2.223 Secs) [==>]	[1]
	3		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,-1		2.22252 Secs (2.223 Secs) [==>]	[1]
	4		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,0		2.22252 Secs (2.223 Secs) [==>]	[1]
	5		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,+1		2.22252 Secs (2.223 Secs) [==>]	[1]
	6		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 0,+2		2.22252 Secs (2.223 Secs) [==>]	[1]
	7		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -3,-2		0.563525 Secs (0.564 Secs) [==>]	[1]
	8		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG +3,-2		0.563525 Secs (0.564 Secs) [==>]	[1]
	9		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG +3,-1		0.563525 Secs (0.564 Secs) [==>]	[1]
	10		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -3,-1		0.563525 Secs (0.564 Secs) [==>]	[1]
	11		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -3,0		0.563525 Secs (0.564 Secs) [==>]	[1]
	12		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG +3,0		0.563525 Secs (0.564 Secs) [==>]	[1]
	13		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG +3,+1		0.563525 Secs (0.564 Secs) [==>]	[1]
	14		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -3,+1		0.563525 Secs (0.564 Secs) [==>]	[1]
	15		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -3,+2		0.563525 Secs (0.564 Secs) [==>]	[1]
	16		(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG +3,+2		0.563525 Secs (0.564 Secs) [==>]	[1]

Proposal 15816 - WFC3 2MASS J14550305-6012407. (07) - CALSPEC+: Extending the HST spectrophotometric library to provide the...

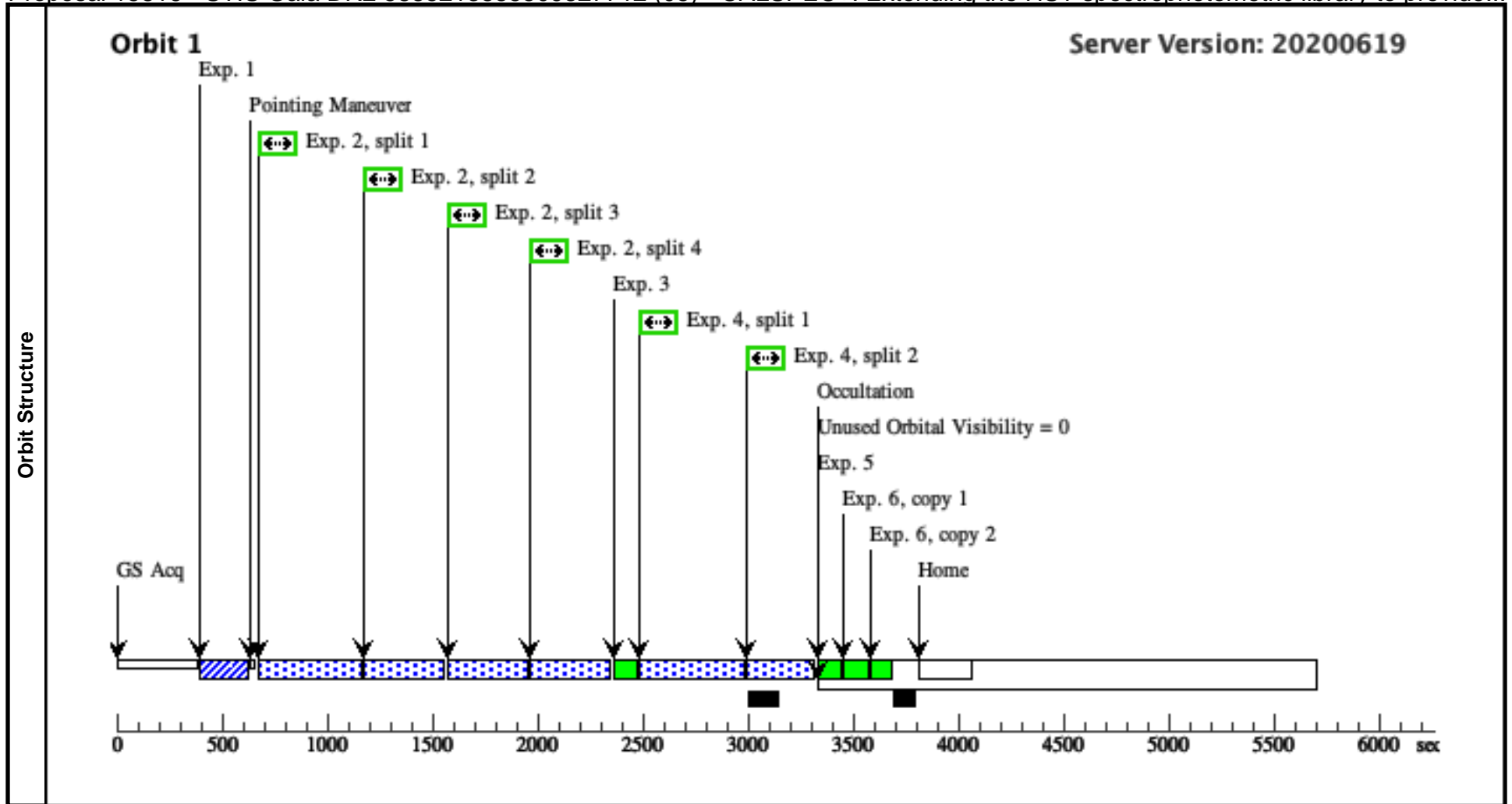
17	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -9.8,18	2.22252 Secs (2.223 Secs) [==>]	[1]
18	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -9.8,19	2.22252 Secs (2.223 Secs) [==>]	[1]
19	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -9.8,20	2.22252 Secs (2.223 Secs) [==>]	[1]
20	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -9.8,21	2.22252 Secs (2.223 Secs) [==>]	[1]
21	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM256	G102	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -9.8,22	2.22252 Secs (2.223 Secs) [==>]	[1]
22	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -6.8,18	0.563525 Secs (0.564 Secs) [==>]	[1]
23	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -12.8,18	0.563525 Secs (0.564 Secs) [==>]	[1]
24	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -12.8,19	0.563525 Secs (0.564 Secs) [==>]	[1]
25	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -6.8,19	0.563525 Secs (0.564 Secs) [==>]	[1]
26	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -6.8,20	0.563525 Secs (0.564 Secs) [==>]	[1]
27	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -12.8,20	0.563525 Secs (0.564 Secs) [==>]	[1]
28	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -12.8,21	0.563525 Secs (0.564 Secs) [==>]	[1]
29	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -6.8,21	0.563525 Secs (0.564 Secs) [==>]	[1]
30	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -6.8,22	0.563525 Secs (0.564 Secs) [==>]	[1]
31	(2) GAIA-DR2-5878 012835951377024	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=5; SAMP-SEQ=RAPID	POS TARG -12.8,22	0.563525 Secs (0.564 Secs) [==>]	[1]



Proposal 15816 - STIS Gaia DR2 5885213885509827712 (05) - CALSPEC+: Extending the HST spectrophotometric library to provide...

Tue Jan 26 20:00:40 GMT 2021

Visit	Proposal 15816, STIS Gaia DR2 5885213885509827712 (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 90.6D TO 90.6 D Comments: Original orientation-180 (225.6-180.0+45.0=90.6). Target is 2MASS J15381728-5430503. Companion is Gaia DR2 5885213885509827712 = 2MASS J15381364-5431215 and is 44.5" away. STIS ETC IDs: STIS.ta.1370741 (ACO), STIS.sp.1370745 (G430L), STIS.sp.1370744 (G750L GAIN=4)												
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>GAIA-DR2-5885213881202037632</td> <td>RA: 15 38 17.2860 (234.5720250d) Dec: -54 30 50.32 (-54.51398d) Equinox: J2000</td> <td></td> <td>V=(?) G=13.1743</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> Comments: Category=STAR Description=[K III-I] Extended=NO	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	GAIA-DR2-5885213881202037632	RA: 15 38 17.2860 (234.5720250d) Dec: -54 30 50.32 (-54.51398d) Equinox: J2000		V=(?) G=13.1743
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(4)	GAIA-DR2-5885213881202037632	RA: 15 38 17.2860 (234.5720250d) Dec: -54 30 50.32 (-54.51398d) Equinox: J2000		V=(?) G=13.1743	Reference Frame: ICRS								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit			
	1		(4) GAIA-DR2-5885213881202037632	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs) [==>]	[1]			
	2		(4) GAIA-DR2-5885213881202037632	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A	WAVECAL=NO; CR-SPLIT=4			1400 Secs (1400 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]			
	3	WAVE		STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=NO			[==>]	[1]			
	4		(4) GAIA-DR2-5885213881202037632	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A	WAVECAL=NO; GAIN=4; CR-SPLIT=2			582 Secs (582 Secs) [==>(Split 1)] [==>(Split 2)]	[1]			
	5	WAVE		STIS/CCD, ACCUM, 52X0.2	G750L 7751 A	CR-SPLIT=NO			[==>]	[1]			
	6	CCDFLAT		STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]			



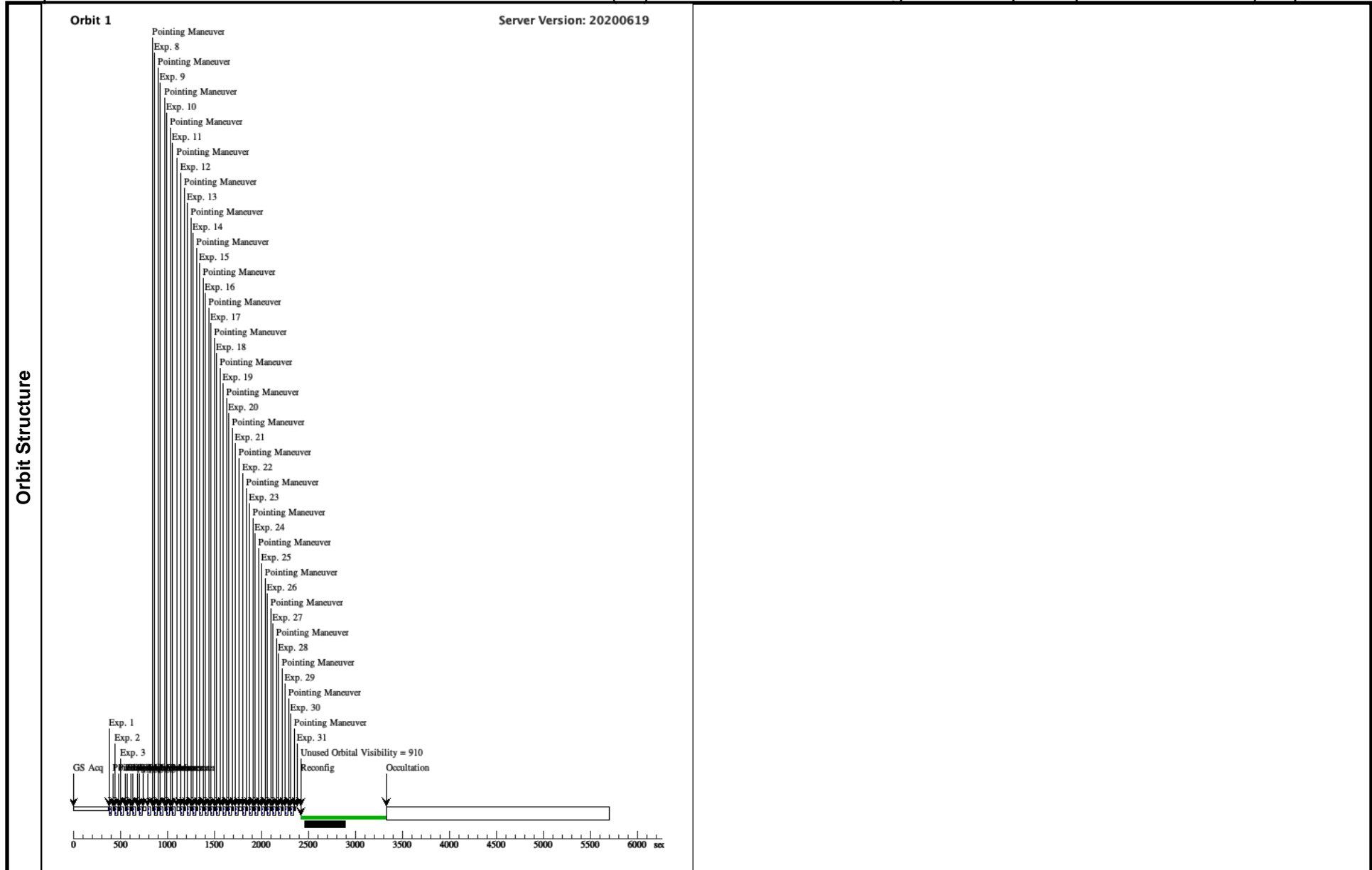
Visit	Proposal 15816, WFC3 Gaia DR2 5885213885509827712 (09), implementation					
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 2D TO 2 D					
Diagnostics	(WFC3 Gaia DR2 5885213885509827712 (09)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
	(WFC3 Gaia DR2 5885213885509827712 (09)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
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	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
		(4)	GAIA-DR2-5885213881202037632	RA: 15 38 17.2860 (234.5720250d) Dec: -54 30 50.32 (-54.51398d) Equinox: J2000		V=(?) G=13.1743
Miscellaneous: Reference Frame: ICRS Comments: Category=STAR Description=[K III-I] Extended=NO						

Proposal 15816 - WFC3 Gaia DR2 5885213885509827712 (09) - CALSPEC+: Extending the HST spectrophotometric library to provid...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	F126N	NSAMP=3; SAMP-SEQ=RAPID			0.338115 Secs (0.338 Secs) [==>]	[1]
	2		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,-2		5.118162 Secs (5.118 Secs) [==>]	[1]
	3		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,-1		5.118162 Secs (5.118 Secs) [==>]	[1]
	4		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,0		5.118162 Secs (5.118 Secs) [==>]	[1]
	5		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,1		5.118162 Secs (5.118 Secs) [==>]	[1]
	6		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,2		5.118162 Secs (5.118 Secs) [==>]	[1]
	7		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,-46		5.118162 Secs (5.118 Secs) [==>]	[1]
	8		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,-45		5.118162 Secs (5.118 Secs) [==>]	[1]
	9		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,-44		5.118162 Secs (5.118 Secs) [==>]	[1]
	10		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,-43		5.118162 Secs (5.118 Secs) [==>]	[1]
	11		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=6; SAMP-SEQ=RAPID	POS TARG 0,-42		5.118162 Secs (5.118 Secs) [==>]	[1]
	12		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,-2		0.788935 Secs (0.789 Secs) [==>]	[1]
	13		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,-2		0.788935 Secs (0.789 Secs) [==>]	[1]
	14		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,-1		0.788935 Secs (0.789 Secs) [==>]	[1]
	15		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,-1		0.788935 Secs (0.789 Secs) [==>]	[1]
	16		(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,0		0.788935 Secs (0.789 Secs) [==>]	[1]

Proposal 15816 - WFC3 Gaia DR2 5885213885509827712 (09) - CALSPEC+: Extending the HST spectrophotometric library to provid...

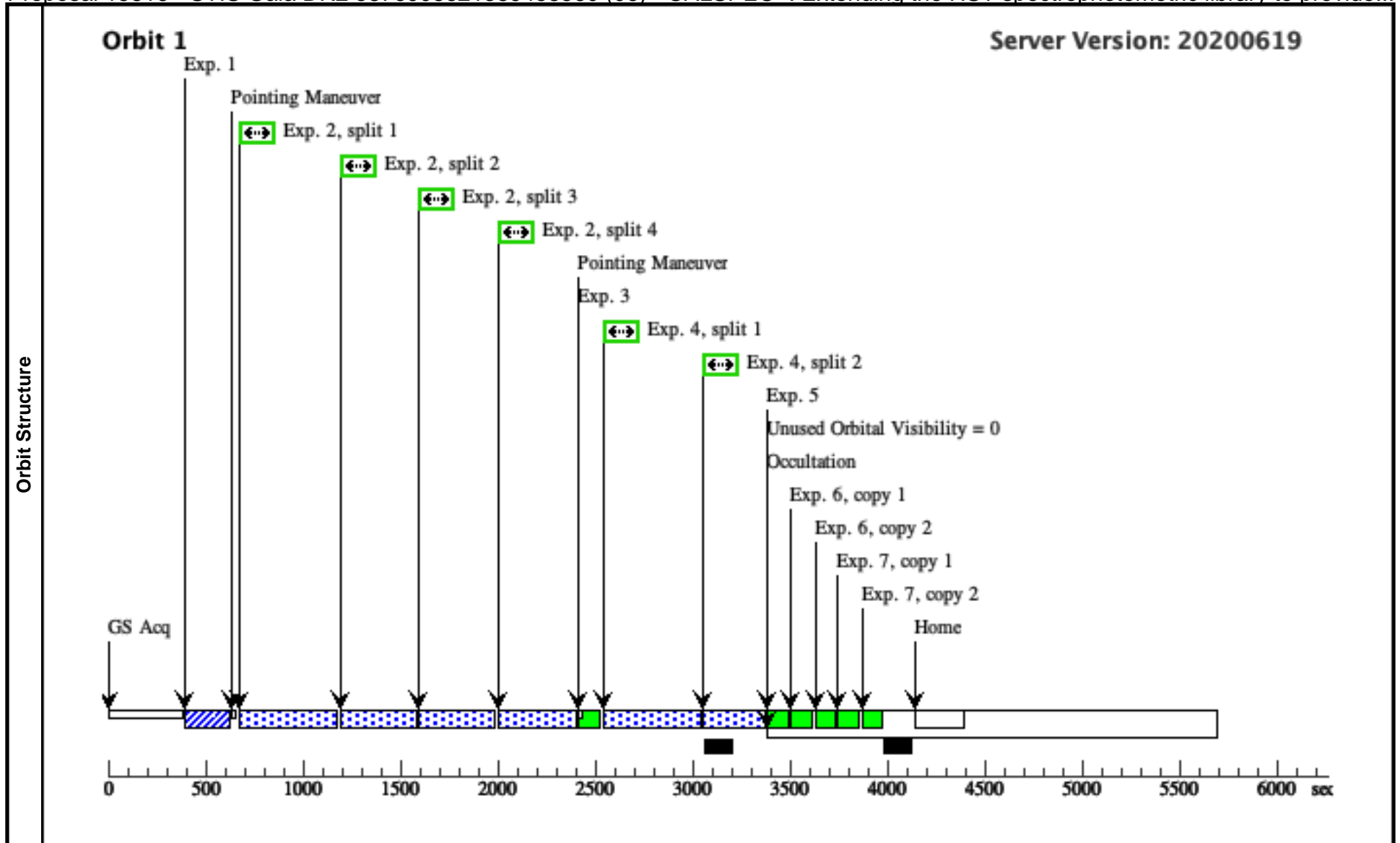
17	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,0	0.788935 Secs (0.789 Secs)	[==>]	[1]
18	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,1	0.788935 Secs (0.789 Secs)	[==>]	[1]
19	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,1	0.788935 Secs (0.789 Secs)	[==>]	[1]
20	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,2	0.788935 Secs (0.789 Secs)	[==>]	[1]
21	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,2	0.788935 Secs (0.789 Secs)	[==>]	[1]
22	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,-46	0.788935 Secs (0.789 Secs)	[==>]	[1]
23	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,-46	0.788935 Secs (0.789 Secs)	[==>]	[1]
24	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,-45	0.788935 Secs (0.789 Secs)	[==>]	[1]
25	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,-45	0.788935 Secs (0.789 Secs)	[==>]	[1]
26	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,-44	0.788935 Secs (0.789 Secs)	[==>]	[1]
27	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,-44	0.788935 Secs (0.789 Secs)	[==>]	[1]
28	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,-43	0.788935 Secs (0.789 Secs)	[==>]	[1]
29	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,-43	0.788935 Secs (0.789 Secs)	[==>]	[1]
30	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG -3,-42	0.788935 Secs (0.789 Secs)	[==>]	[1]
31	(4) GAIA-DR2-5885 213881202037632	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 3,-42	0.788935 Secs (0.789 Secs)	[==>]	[1]



Proposal 15816 - STIS Gaia DR2 5876908621389458560 (06) - CALSPEC+: Extending the HST spectrophotometric library to provide...

Tue Jan 26 20:00:40 GMT 2021

Visit	Proposal 15816, STIS Gaia DR2 5876908621389458560 (06), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 52.6D TO 52.6 D Comments: Original orientation-180 (187.6-180.0+45.0=52.6). Target is 2MASS J15204451-5827065. Companion is Gaia DR2 5876908621389458560 = 2MASS J15204440-5827134 and is 7.0" away. STIS ETC IDs: STIS.ta.1370746 (ACO), STIS.sp.1370748 (G430L), STIS.sp.1370747 (G750L GAIN=4)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	GAIA-DR2-5876908621389460224	RA: 15 20 44.5090 (230.1854542d) Dec: -58 27 6.41 (-58.45178d) Equinox: J2000		V=(?) G=13.1876	Reference Frame: ICRS				
	Comments: Category=STAR Description=[K III-I] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) GAIA-DR2-5876908621389460224	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs) [==>]	[1]
	2		(5) GAIA-DR2-5876908621389460224	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A	WAVECAL=NO; CR-SPLIT=4			1456 Secs (1456 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]
	3	WAVE		STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=NO			[==>]	[1]
	4		(5) GAIA-DR2-5876908621389460224	STIS/CCD, ACCUM, 52X2	G750L 7751 A	WAVECAL=NO; GAIN=4; CR-SPLIT=2			582 Secs (582 Secs) [==>(Split 1)] [==>(Split 2)]	[1]
	5	WAVE		STIS/CCD, ACCUM, 52X0.2	G750L 7751 A	CR-SPLIT=NO			[==>]	[1]
	6	CCDFLAT 0.3x0.9	CCDFLAT	STIS/CCD, ACCUM, 0.3X0.09	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]
	7	CCDFLAT		STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]	[1]



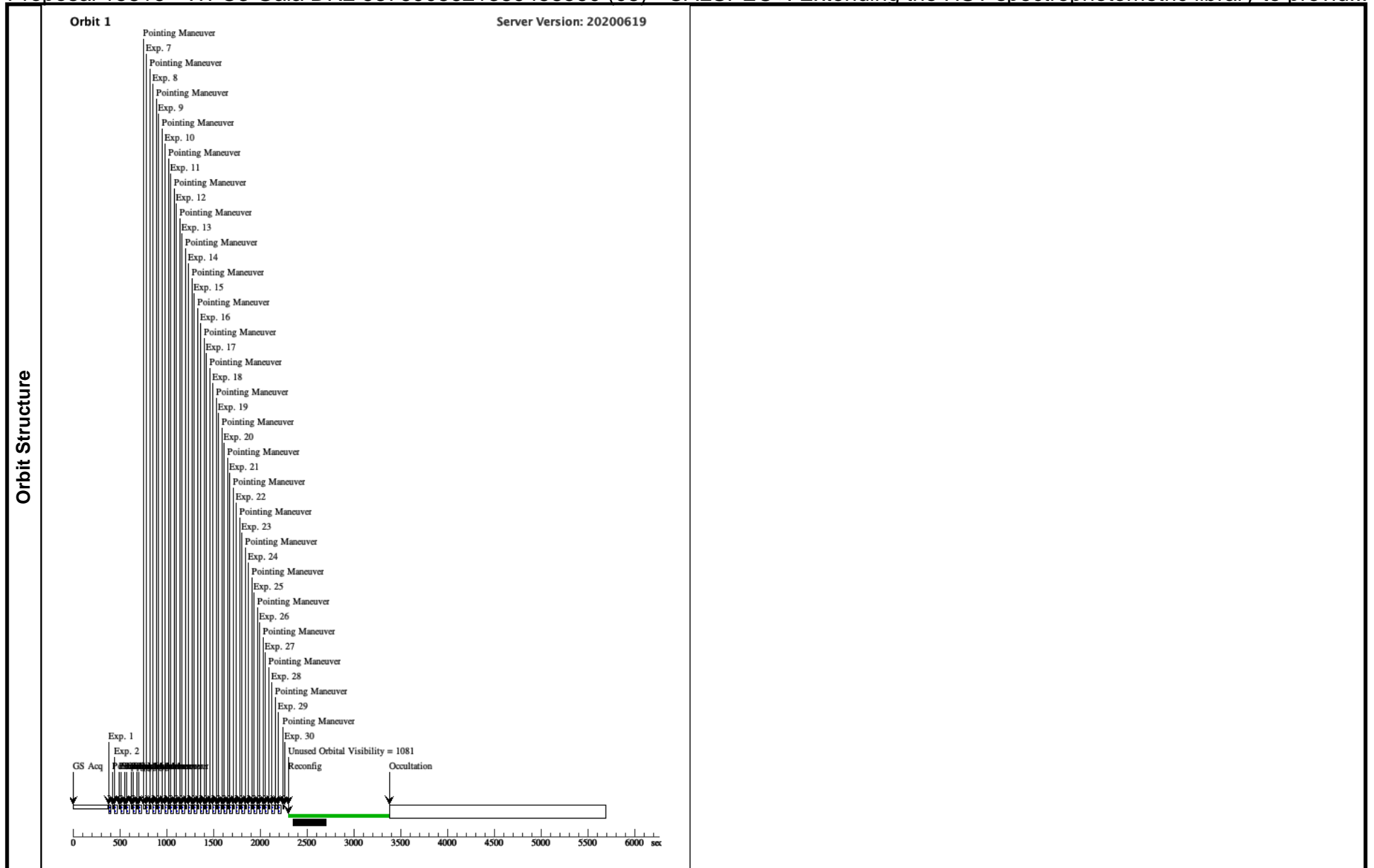
Visit	Proposal 15816, WFC3 Gaia DR2 5876908621389458560 (08), implementation Tue Jan 26 20:00:40 GMT 2021																	
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 310D TO 310 D																	
Diagnostics	(WFC3 Gaia DR2 5876908621389458560 (08)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE																	
	(WFC3 Gaia DR2 5876908621389458560 (08)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE																	
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	(WFC3 Gaia DR2 5876908621389458560 (08)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE																	
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>GAIA-DR2-5876908621389460224</td> <td>RA: 15 20 44.5090 (230.1854542d) Dec: -58 27 6.41 (-58.45178d) Equinox: J2000</td> <td></td> <td>V=(?) G=13.1876</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(5)	GAIA-DR2-5876908621389460224	RA: 15 20 44.5090 (230.1854542d) Dec: -58 27 6.41 (-58.45178d) Equinox: J2000		V=(?) G=13.1876	Reference Frame: ICRS				
		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(5)	GAIA-DR2-5876908621389460224	RA: 15 20 44.5090 (230.1854542d) Dec: -58 27 6.41 (-58.45178d) Equinox: J2000		V=(?) G=13.1876	Reference Frame: ICRS													
Comments: Category=STAR Description=[K III-I] Extended=NO																		

Proposal 15816 - WFC3 Gaia DR2 5876908621389458560 (08) - CALSPEC+: Extending the HST spectrophotometric library to provid...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	F126N	NSAMP=4; SAMP-SEQ=RAPID			0.45082 Secs (0.451 Secs) [==>]	[1]
	2		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,-2		5.971189 Secs (5.971 Secs) [==>]	[1]
	3		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,-1		5.971189 Secs (5.971 Secs) [==>]	[1]
	4		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,0		5.971189 Secs (5.971 Secs) [==>]	[1]
	5		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,1		5.971189 Secs (5.971 Secs) [==>]	[1]
	6		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM512	G102	NSAMP=7; SAMP-SEQ=RAPID	POS TARG 0,2		5.971189 Secs (5.971 Secs) [==>]	[1]
	7		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-1		0.90164 Secs (0.902 Secs) [==>]	[1]
	8		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-1		0.90164 Secs (0.902 Secs) [==>]	[1]
	9		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-2		0.90164 Secs (0.902 Secs) [==>]	[1]
	10		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-2		0.90164 Secs (0.902 Secs) [==>]	[1]
	11		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-3		0.90164 Secs (0.902 Secs) [==>]	[1]
	12		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-3		0.90164 Secs (0.902 Secs) [==>]	[1]
	13		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-4		0.90164 Secs (0.902 Secs) [==>]	[1]
	14		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-4		0.90164 Secs (0.902 Secs) [==>]	[1]
	15		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-5		0.90164 Secs (0.902 Secs) [==>]	[1]
	16		(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-5		0.90164 Secs (0.902 Secs) [==>]	[1]

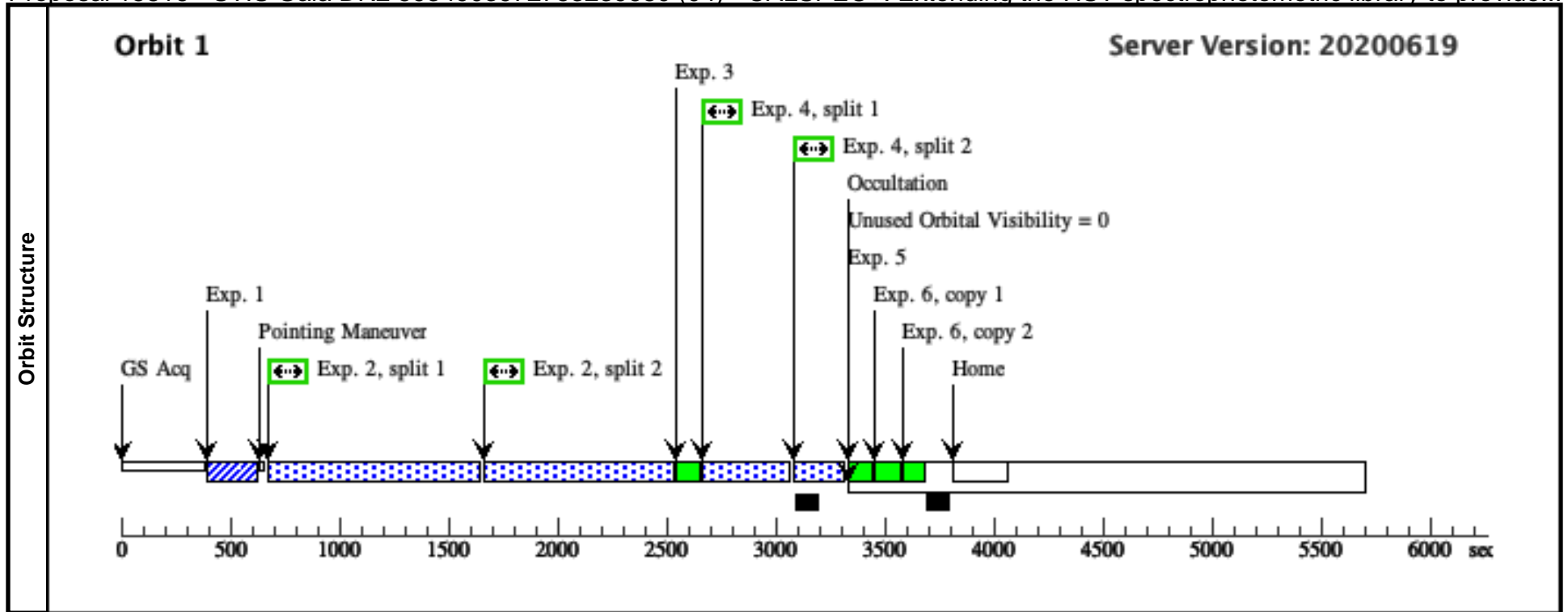
Proposal 15816 - WFC3 Gaia DR2 5876908621389458560 (08) - CALSPEC+: Extending the HST spectrophotometric library to provid...

17	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-6	0.90164 Secs (0.902 Secs) [==>]	[1]
18	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-6	0.90164 Secs (0.902 Secs) [==>]	[1]
19	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-7	0.90164 Secs (0.902 Secs) [==>]	[1]
20	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-7	0.90164 Secs (0.902 Secs) [==>]	[1]
21	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-8	0.90164 Secs (0.902 Secs) [==>]	[1]
22	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-8	0.90164 Secs (0.902 Secs) [==>]	[1]
23	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-9	0.90164 Secs (0.902 Secs) [==>]	[1]
24	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-9	0.90164 Secs (0.902 Secs) [==>]	[1]
25	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-10	0.90164 Secs (0.902 Secs) [==>]	[1]
26	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-10	0.90164 Secs (0.902 Secs) [==>]	[1]
27	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG -3,-11	0.90164 Secs (0.902 Secs) [==>]	[1]
28	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=8; SAMP-SEQ=RAPID	POS TARG 3,-11	0.90164 Secs (0.902 Secs) [==>]	[1]
29	Quarter Fra me 512x512	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM512	F126N	NSAMP=3; SAMP-SEQ=RAPID	2.559081 Secs (2.559 Secs) [==>]	[1]
30	Full Frame I mage	(5) GAIA-DR2-5876 908621389460224	WFC3/IR, MULTIACCUM, GRISM1024	F126N	NSAMP=1; SAMP-SEQ=RAPID	2.932291 Secs (2.932 Secs) [==>]	[1]



Proposal 15816 - STIS Gaia DR2 5934903972753239680 (04) - CALSPEC+: Extending the HST spectrophotometric library to provide...

Visit	Proposal 15816, STIS Gaia DR2 5934903972753239680 (04), completed Tue Jan 26 20:00:40 GMT 2021									
	Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 265.9D TO 265.9 D Comments: Original orientation+180 (40.9+45.0+180=265.9). Target is 2MASS J16140974-5147147. Companion is Gaia DR2 5934903972753239680 = 2MASS J16141189-5146516 and is 30.6" away. STIS ETC IDs: STIS.ta.1370703 (ACO), STIS.sp.1370719 (G430L), STIS.sp.1370701 (G750L GAIN=4)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	GAIA-DR2-5934903938409251968	RA: 16 14 9.7288 (243.5405367d) Dec: -51 47 14.78 (-51.78744d) Equinox: J2000		V=(?) G=12.3506	Reference Frame: ICRS				
Comments: Category=STAR Description=[K III-I] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) GAIA-DR2-5934903938409251968	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs (1 Secs)	
									[==>]	[1]
	2		(3) GAIA-DR2-5934903938409251968	STIS/CCD, ACCUM, 52X2E1	G430L 4300 A				1670 Secs (1670 Secs)	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	[1]
	3		WAVE	STIS/CCD, ACCUM, 52X0.2	G430L 4300 A	CR-SPLIT=NO			[==>]	[1]
4		(3) GAIA-DR2-5934903938409251968	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A	WAVECAL=NO; GAIN=4			400 Secs (400 Secs)		
								[==>(Split 1)]	[1]	
								[==>(Split 2)]	[1]	
5		WAVE	STIS/CCD, ACCUM, 52X0.2	G750L 7751 A	CR-SPLIT=NO			[==>]	[1]	
6		CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)]	[1]	
								[==>(Copy 2)]	[1]	



Proposal 15816 - WFC3 Gaia DR2 5934903972753239680 (10) - CALSPEC+: Extending the HST spectrophotometric library to provid...

Visit	Proposal 15816, WFC3 Gaia DR2 5934903972753239680 (10), completed Tue Jan 26 20:00:40 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 254D TO 254 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=5 Point Spacing=2 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.78 Angle Between Sides= Center Pattern=false					(2), (3)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	GAIA-DR2-5934903938409251968	RA: 16 14 9.7288 (243.5405367d) Dec: -51 47 14.78 (-51.78744d) Equinox: J2000		V=(?) G=12.3506	Reference Frame: ICRS				
	<i>Comments:</i> Category=STAR Description=[K III-I] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) GAIA-DR2-5934903938409251968	WFC3/IR, MULTIACCUM, GRISM1024	F098M	NSAMP=2; SAMP-SEQ=RAPID			5.864582 Secs (5.865 Secs) [==>]	[1]
	2	(WFC3IR.sp .1374871)	(3) GAIA-DR2-5934903938409251968	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=8; SAMP-SEQ=RAPID		Pattern 1, Exps 2-2 in WFC3 Gaia DR2 5934903972753239680 (10) (1)	23.458328 Secs (117.292 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)]	[1]
	3	(WFC3IR.sp .1374870)	(3) GAIA-DR2-5934903938409251968	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=5; SAMP-SEQ=RAPID		Pattern 1, Exps 3-3 in WFC3 Gaia DR2 5934903972753239680 (10) (1)	14.661455 Secs (73.307 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)]	[1]

