



# 17154 - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initiative

Cycle: 30, Proposal Category: GO  
(Availability Mode: SUPPORTED)

## INVESTIGATORS

<i>Name</i>	<i>Institution</i>
<b>Prof. Haojing Yan (PI) (Contact)</b>	<b>University of Missouri - Columbia</b>
Dr. Norman Grogin (CoI) (Contact)	Space Telescope Science Institute
Dr. Lifan Wang (CoI)	Texas A & M University
Prof. John F. Beacom (CoI)	The Ohio State University
Dr. Seth H. Cohen (CoI)	Arizona State University
Prof. Christopher Conselice (CoI) (ESA Member)	University of Manchester
Dr. Giovanni G. Fazio (CoI)	Smithsonian Institution Astrophysical Observatory
Dr. Jiasheng Huang (CoI)	The National Astronomical Observatories of the Chinese Acade
Cheng Cheng (CoI)	The National Astronomical Observatories of the Chinese Acade
Dr. Anton M. Koekemoer (CoI)	Space Telescope Science Institute
Dr. Zhiyuan Ma (CoI)	University of Massachusetts - Amherst
Dr. Steven P. Willner (CoI)	Smithsonian Institution Astrophysical Observatory
Prof. Rogier A. Windhorst (CoI)	Arizona State University
Prof. Min S. Yun (CoI)	University of Massachusetts - Amherst
Dr. Rolf A. Jansen (CoI)	Arizona State University

## 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>
1A	(1) SPITZER-IDF-E	ACS/WFC	2	18-Jul-2023 17:00:22.0	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>
1B	(2) SPITZER-IDF-W	ACS/WFC	2	18-Jul-2023 17:00:23.0	yes
1C	(1) SPITZER-IDF-E	ACS/WFC	2	18-Jul-2023 17:00:23.0	yes
1D	(2) SPITZER-IDF-W	ACS/WFC	2	18-Jul-2023 17:00:24.0	yes
1E	(1) SPITZER-IDF-E	ACS/WFC	2	18-Jul-2023 17:00:25.0	yes
1F	(2) SPITZER-IDF-W	ACS/WFC	2	18-Jul-2023 17:00:26.0	yes
2A	(1) SPITZER-IDF-E	ACS/WFC	2	18-Jul-2023 17:00:26.0	yes
2B	(2) SPITZER-IDF-W	ACS/WFC	2	18-Jul-2023 17:00:27.0	yes
2C	(1) SPITZER-IDF-E	ACS/WFC	2	18-Jul-2023 17:00:28.0	yes
2D	(2) SPITZER-IDF-W	ACS/WFC	2	18-Jul-2023 17:00:29.0	yes
2E	(1) SPITZER-IDF-E	ACS/WFC	2	18-Jul-2023 17:00:30.0	yes
2F	(2) SPITZER-IDF-W	ACS/WFC	2	18-Jul-2023 17:00:30.0	yes
3A	(3) SPITZER-IDF-E2	ACS/WFC	2	18-Jul-2023 17:00:31.0	yes

26 Total Orbits Used

## ABSTRACT

We propose ACS F435W, F606W, and F814W imaging in the IRAC Dark Field (IDF), which is in the JWST continuous viewing zone (CVZ) and will be observed by JWST GTO program #2738 in three epochs in Cycle 1 using NIRCam. The 3-epoch JWST data (>28.5 mag) will enable time-domain science such as finding and studying core-collapse supernovae in dusty starbursts and high-z Type Ia supernovae potentially to  $z=6$ . Reaching the full scientific potential, however, requires high-resolution data in the optical bands that are either not accessible to or not optimized with JWST. Our program will take advantage of the overlap in mission life of HST and JWST to fill in this crucial gap. To maximize the return, the proposed ACS observations will be split into two epochs that are near-contemporaneous with the 2nd and 3rd epochs of the JWST GTO observations, respectively. (The JWST schedule will be announced in April 2022.) The contemporaneous ACS observations will enable a joint analysis of the time-domain events found in the NIRCam data. The complementary ACS data will be critical because any time-dependent evolution should be removed from the SEDs for a proper analysis. With these data, we will be able to: 1) identify and study the exact sites (within the host galaxies) associated with the events; 2) estimate the dust extinction corrections appropriate for the events; and 3) constrain the source redshifts when the association with the host galaxy is unclear or when the host galaxy is too faint for spectroscopy. In addition, the combined, "static" ACS images will enable a slew of extragalactic studies that require a broad wavelength sampling from optical to near-IR (e.g.,  $z>10$  dropout searches).

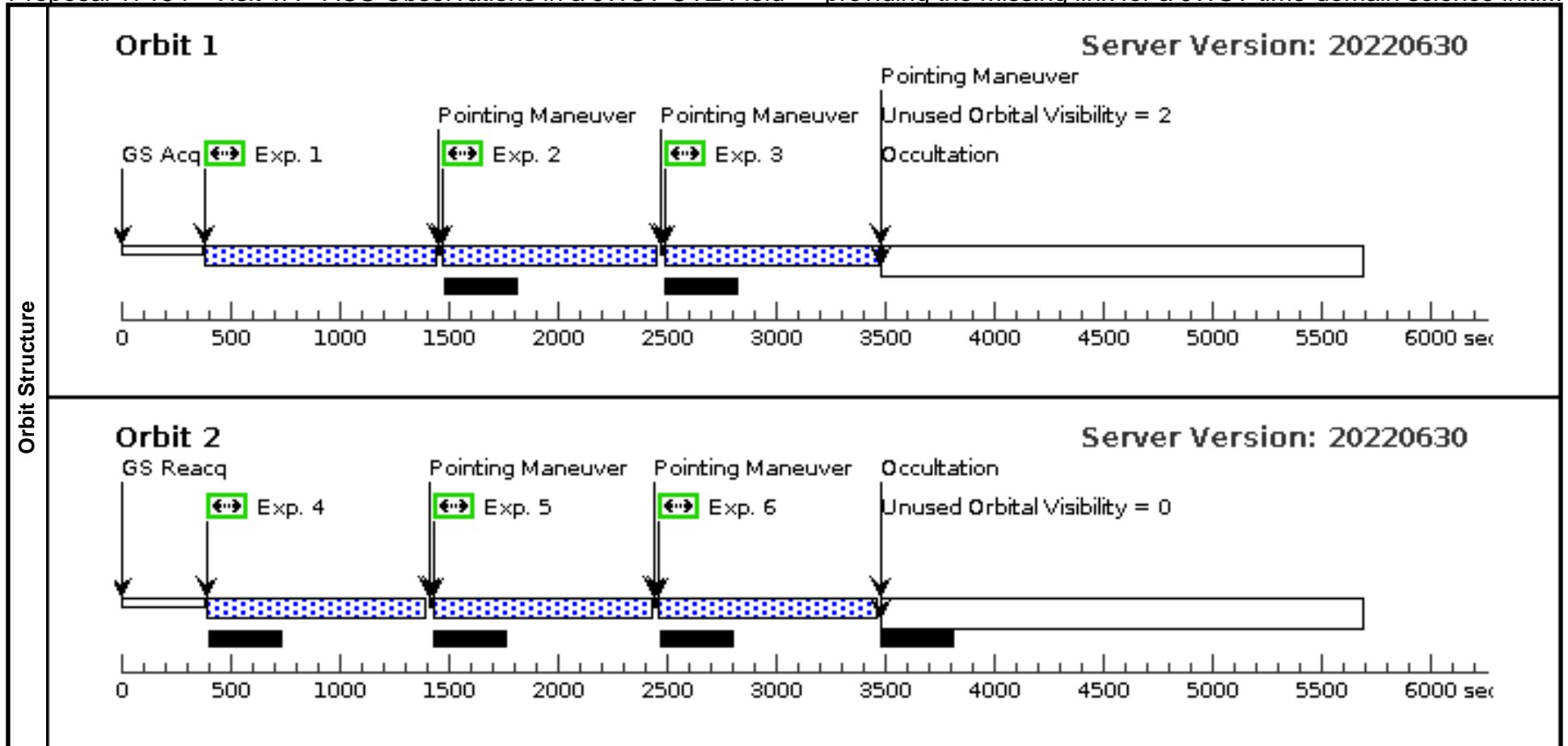
## **OBSERVING DESCRIPTION**

We propose ACS F435W, F606W, and F814W imaging in the IRAC Dark Field (IDF), which is in the JWST continuous viewing zone (CVZ) and will be observed by JWST GTO program #2738 in three epochs in Cycle 1 using NIRCам. The 3-epoch JWST data ( $>28.5$  mag) will enable time-domain science such as finding and studying core-collapse supernovae in dusty starbursts and high- $z$  Type Ia supernovae potentially to  $z=6$ . Reaching the full scientific potential, however, requires high-resolution data in the optical bands that are either not accessible to or not optimized with JWST. Our program will take advantage of the overlap in mission life of HST and JWST to fill in this crucial gap. To maximize the return, the proposed ACS observations will be split into two epochs that are near-contemporaneous with the 2nd and 3rd epochs of the JWST GTO observations, respectively. (The JWST schedule will be announced in April 2022.) The contemporaneous ACS observations will enable a joint analysis of the time-domain events found in the NIRCам data. The complementary ACS data will be critical because any time-dependent evolution should be removed from the SEDs for a proper analysis. With these data, we will be able to: 1) identify and study the exact sites (within the host galaxies) associated with the events; 2) estimate the dust extinction corrections appropriate for the events; and 3) constrain the source redshifts when the association with the host galaxy is unclear or when the host galaxy is too faint for spectroscopy. In addition, the combined, "static" ACS images will enable a slew of extragalactic studies that require a broad wavelength sampling from optical to near-IR (e.g.,  $z>10$  dropout searches).

Proposal 17154 - Visit 1A - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:32 GMT 2023

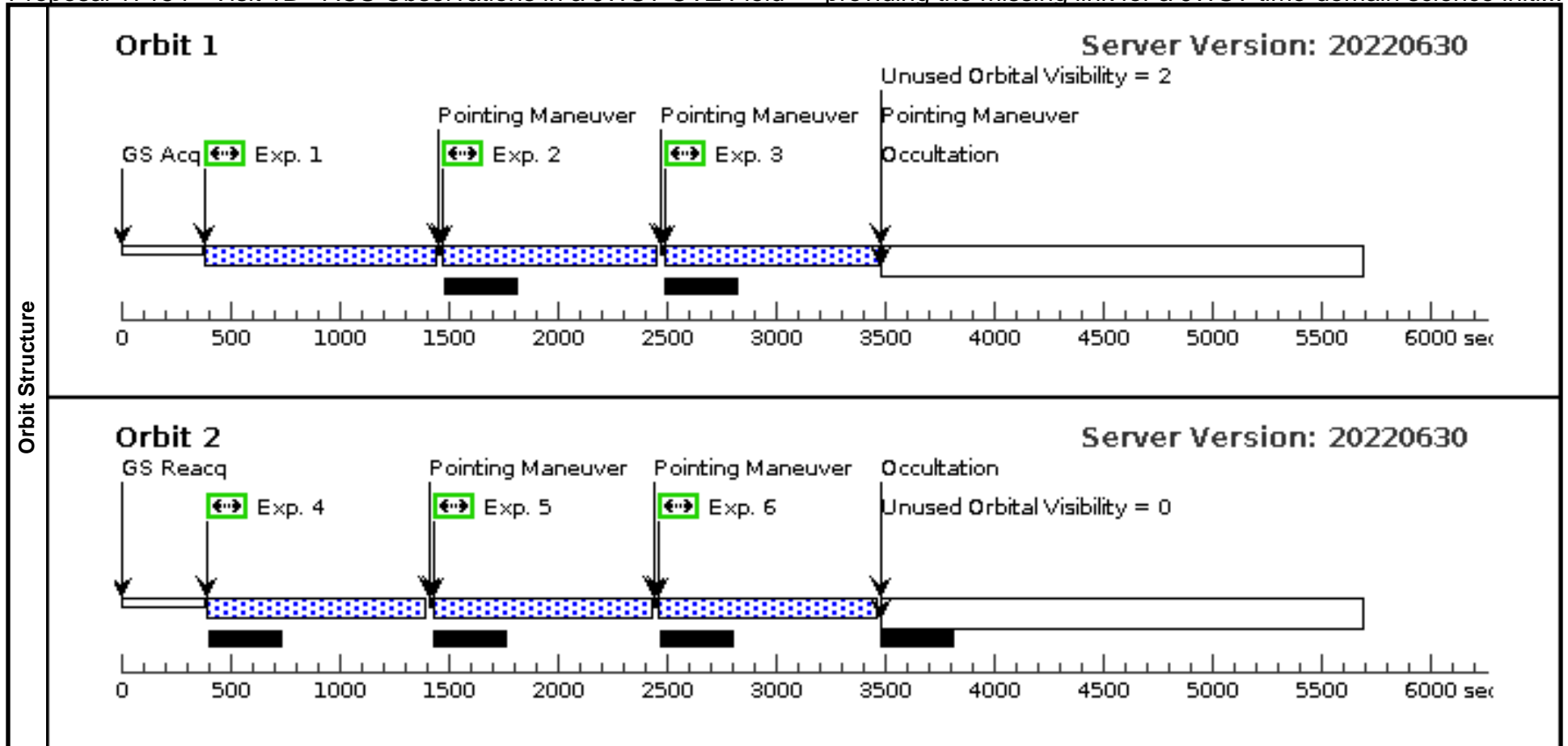
Visit	<b>Proposal 17154, Visit 1A, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 332D TO 332 D; BETWEEN 15-DEC-2022:00:00:00 AND 15-JAN-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SPITZER-IDF-E	RA: 17 40 25.8873 (265.1078637d) Dec: +68 59 7.11 (68.98531d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 1A	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 1A	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 1A	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 1A	810 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 1A	810 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 1A	810 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 1B - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:32 GMT 2023

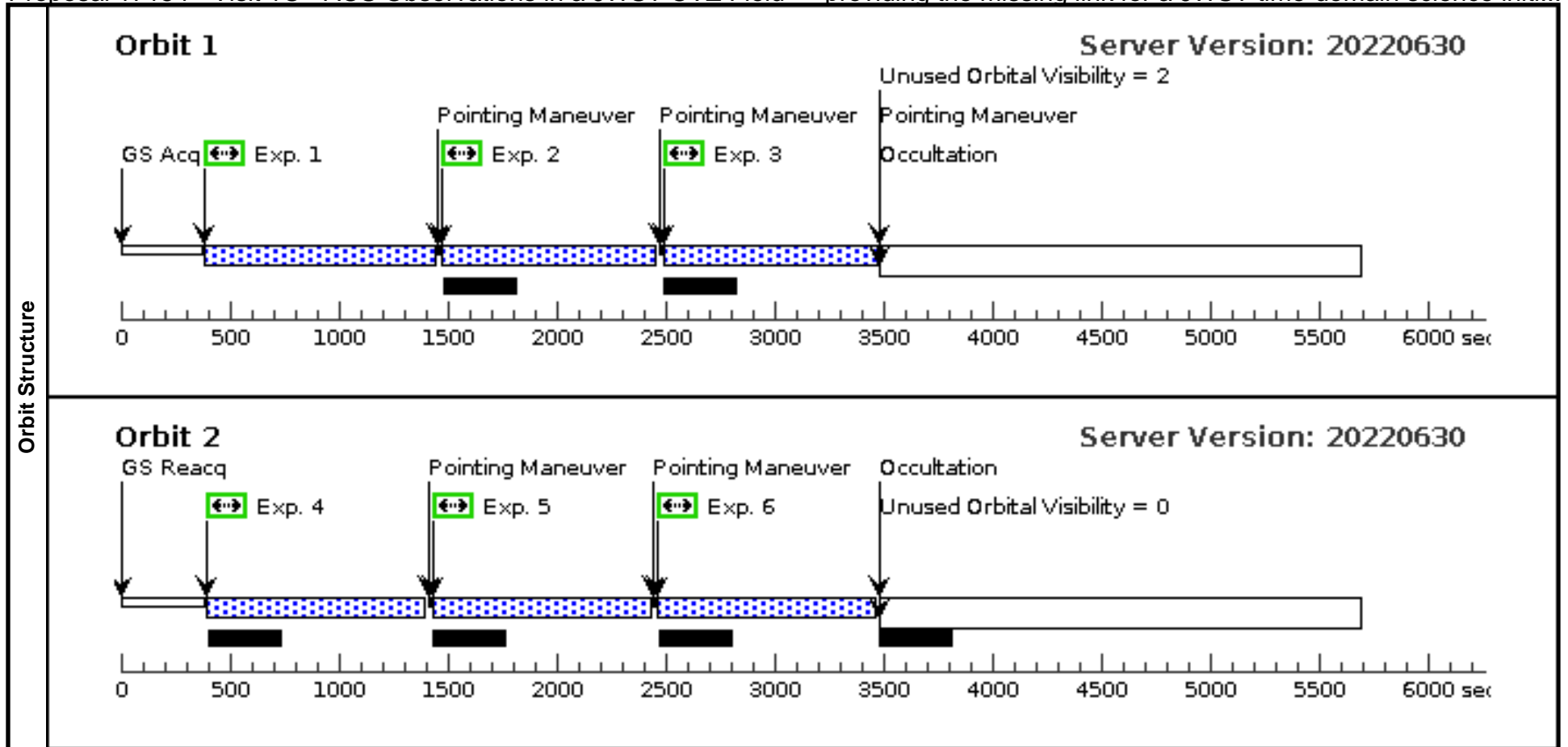
Visit	<b>Proposal 17154, Visit 1B, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 1A; BETWEEN 15-DEC-2022:00:00:00 AND 15-JAN-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	SPITZER-IDF-W	RA: 17 39 51.7373 (264.9655721d) Dec: +68 57 53.27 (68.96480d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 1B	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 1B	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 1B	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 1B	810 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 1B	810 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 1B	810 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 1C - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

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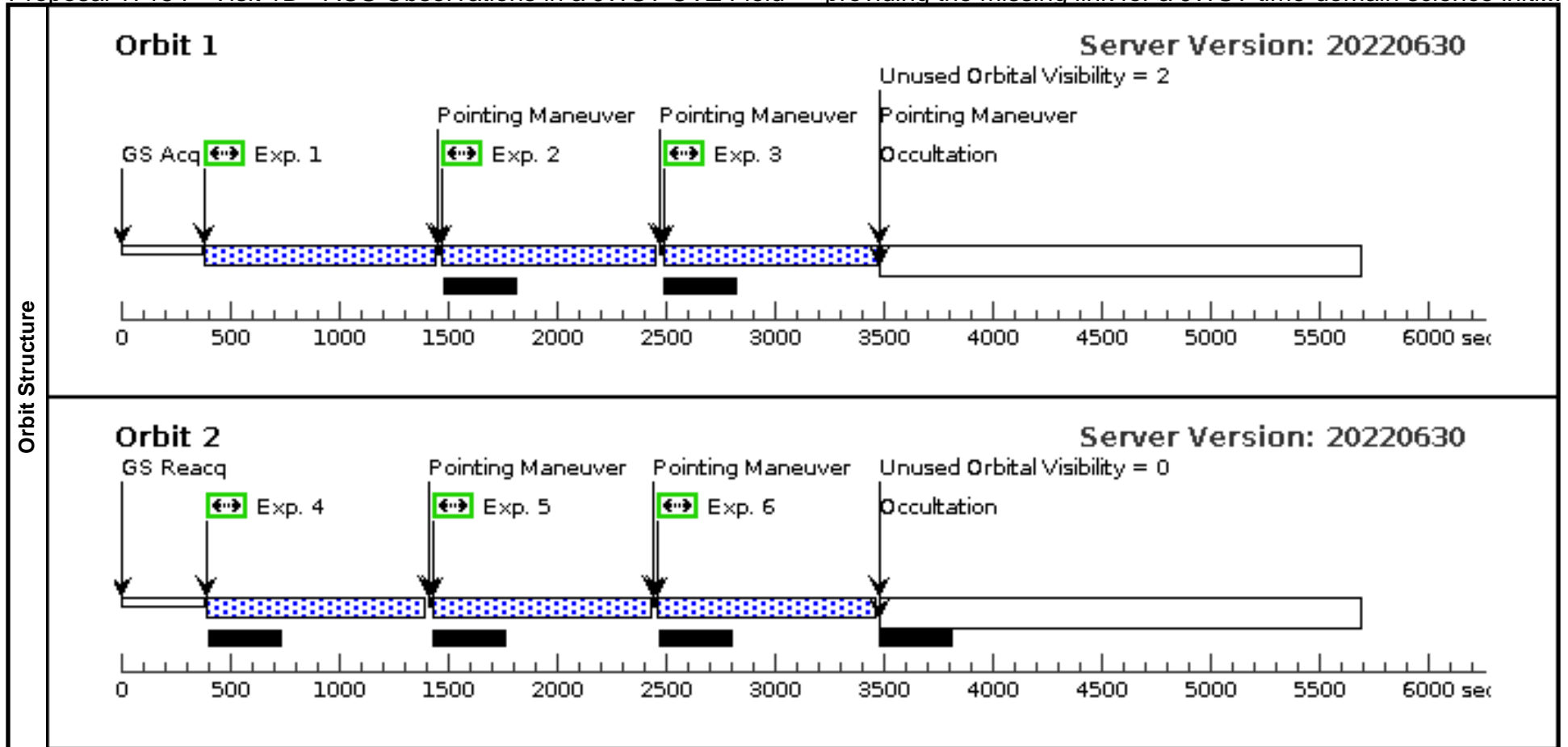
Visit	<b>Proposal 17154, Visit 1C, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 1A; BETWEEN 15-DEC-2022:00:00:00 AND 15-JAN-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SPITZER-IDF-E	RA: 17 40 25.8873 (265.1078637d) Dec: +68 59 7.11 (68.98531d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 1C	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 1C	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 1C	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 1C	810 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 1C	810 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 1C	810 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 1D - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

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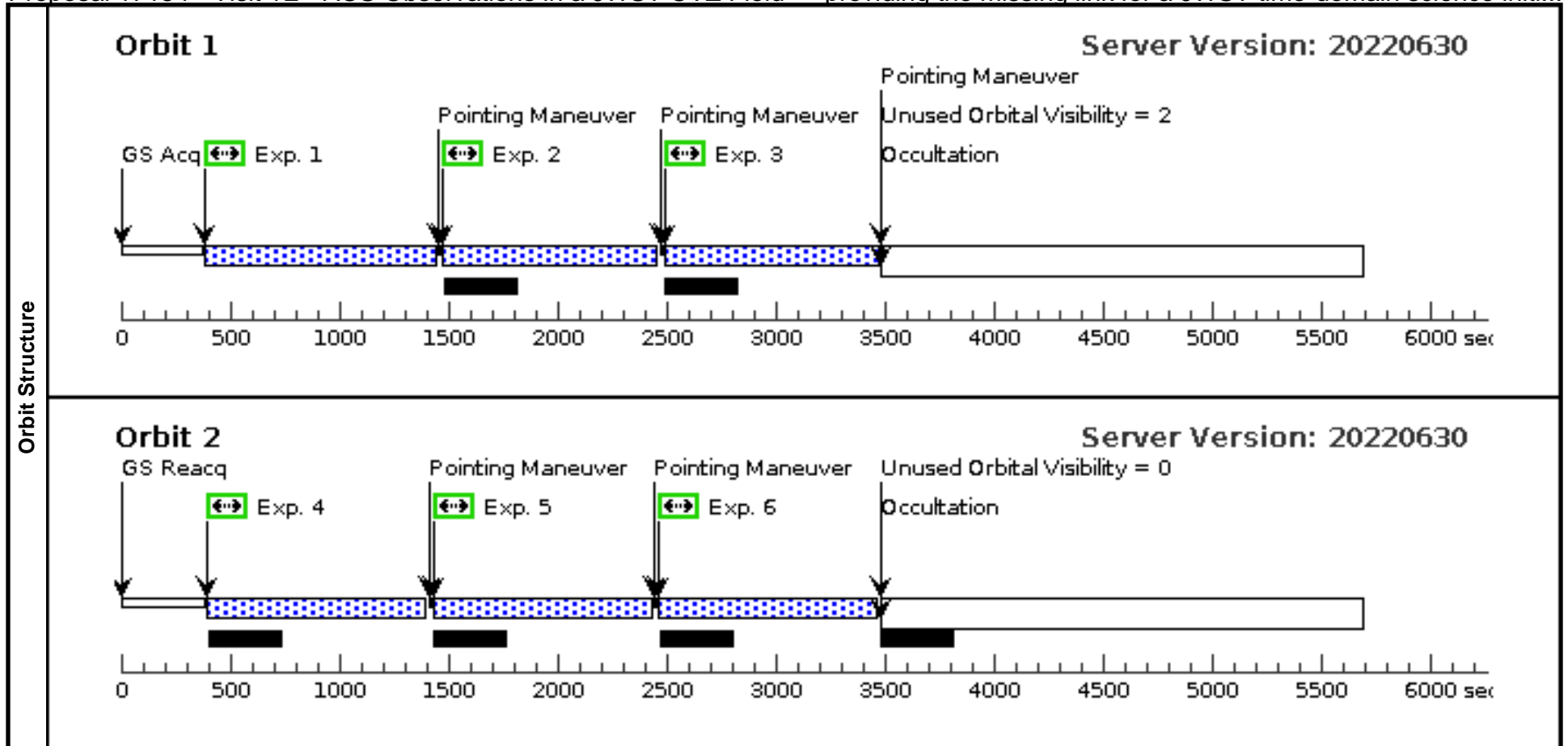
Visit	<b>Proposal 17154, Visit 1D, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 1A; BETWEEN 15-DEC-2022:00:00:00 AND 15-JAN-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	SPITZER-IDF-W	RA: 17 39 51.7373 (264.9655721d) Dec: +68 57 53.27 (68.96480d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 1D	785 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	2	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 1D	785 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	3	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 1D	785 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	4	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 1D	810 Secs (880 Secs) [==>880.0 Secs ]	[2]		
	5	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 1D	810 Secs (880 Secs) [==>880.0 Secs ]	[2]		
	6	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 1D	810 Secs (880 Secs) [==>880.0 Secs ]	[2]		



Proposal 17154 - Visit 1E - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

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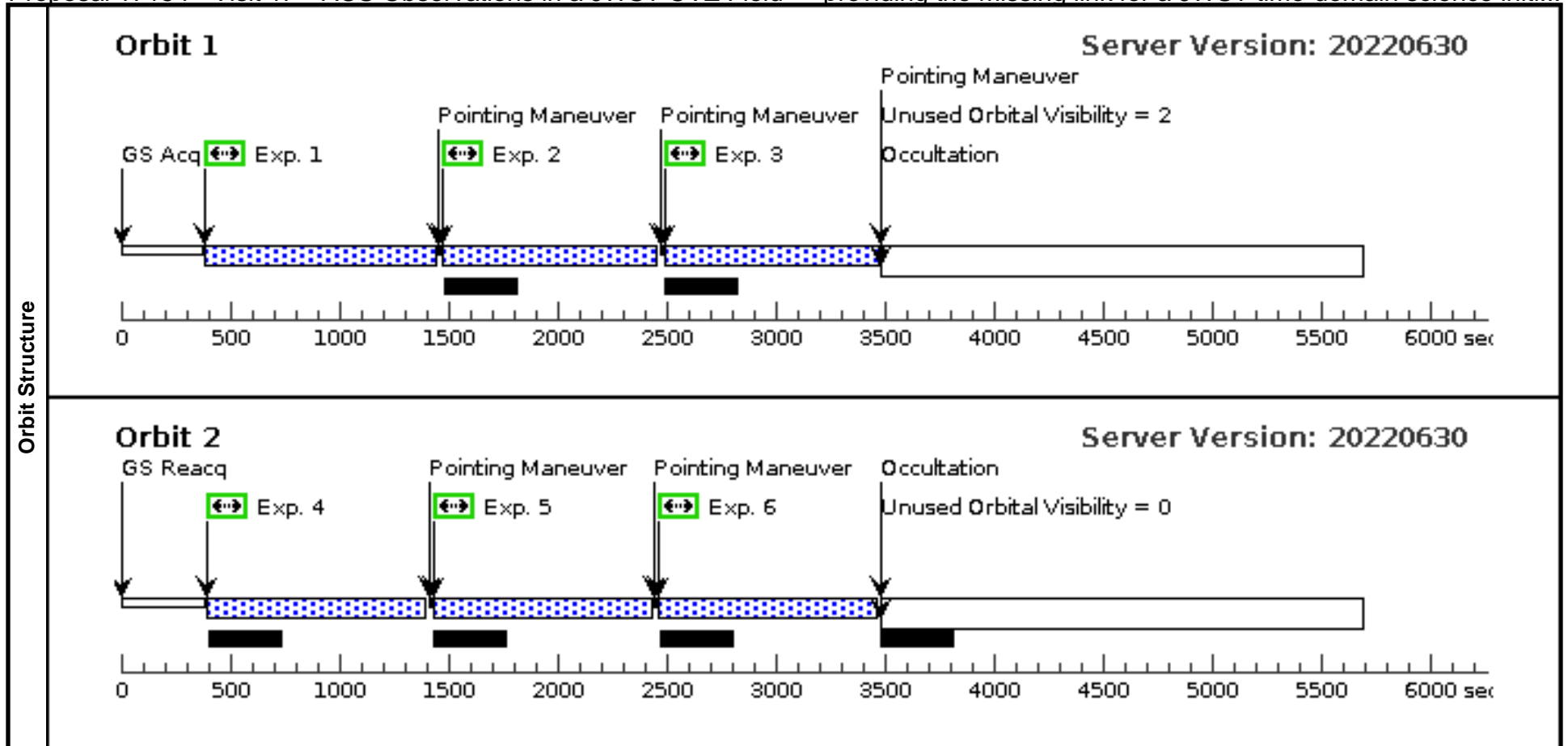
Visit	<b>Proposal 17154, Visit 1E, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 1A; BETWEEN 15-DEC-2022:00:00:00 AND 15-JAN-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SPITZER-IDF-E	RA: 17 40 25.8873 (265.1078637d) Dec: +68 59 7.11 (68.98531d) Equinox: J2000		V=26	Reference Frame: ICRS				
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W	POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 1E	785 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	2	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W	POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 1E	785 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	3	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W	POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 1E	785 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	4	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W	POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 1E	810 Secs (880 Secs) [==>880.0 Secs ]	[2]		
	5	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W	POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 1E	810 Secs (880 Secs) [==>880.0 Secs ]	[2]		
	6	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W	POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 1E	810 Secs (880 Secs) [==>880.0 Secs ]	[2]		



Proposal 17154 - Visit 1F - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:32 GMT 2023

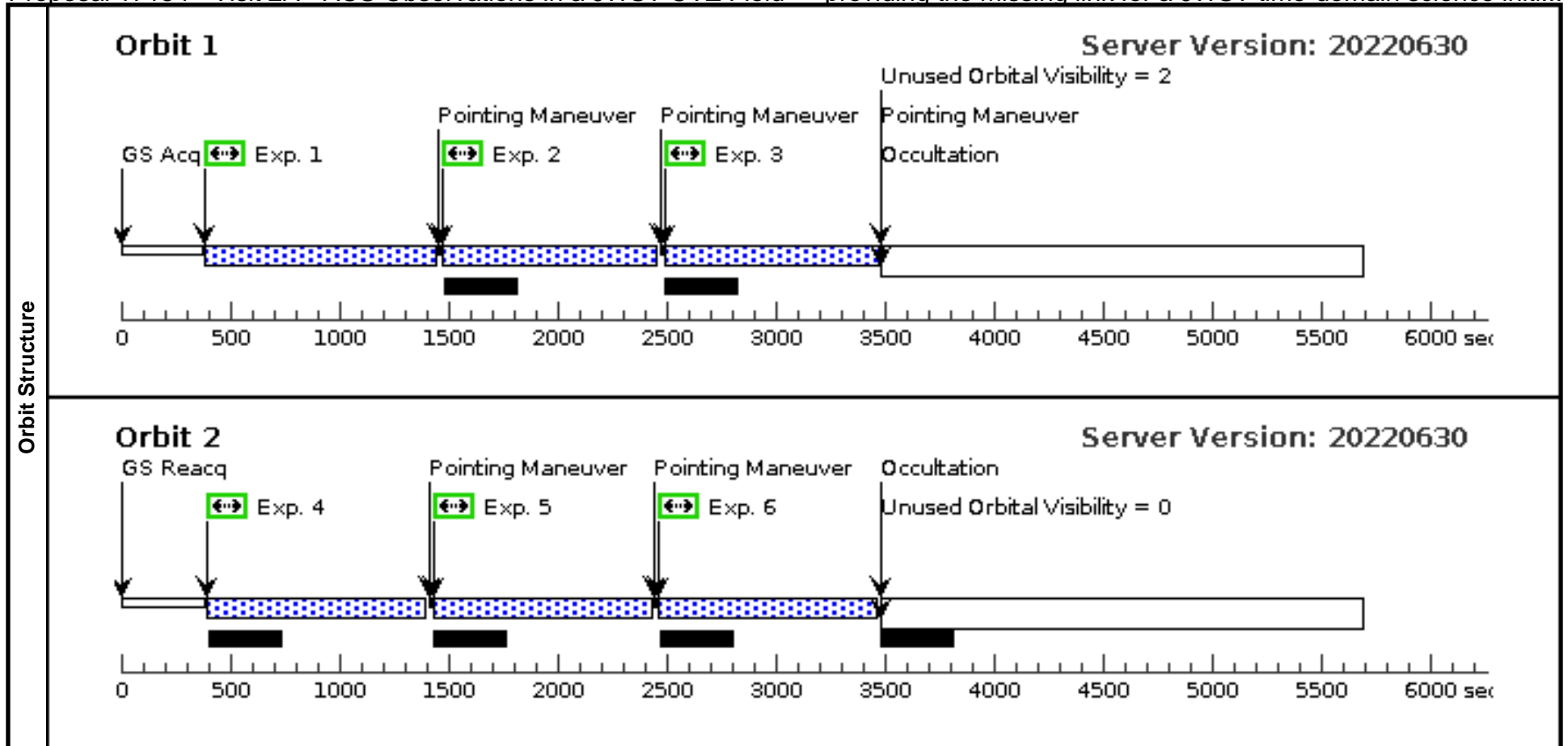
Visit	<b>Proposal 17154, Visit 1F, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 1A; BETWEEN 15-DEC-2022:00:00:00 AND 15-JAN-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	SPITZER-IDF-W	RA: 17 39 51.7373 (264.9655721d) Dec: +68 57 53.27 (68.96480d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 1F	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 1F	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 1F	785 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 1F	810 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 1F	810 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 1F	810 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 2A - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

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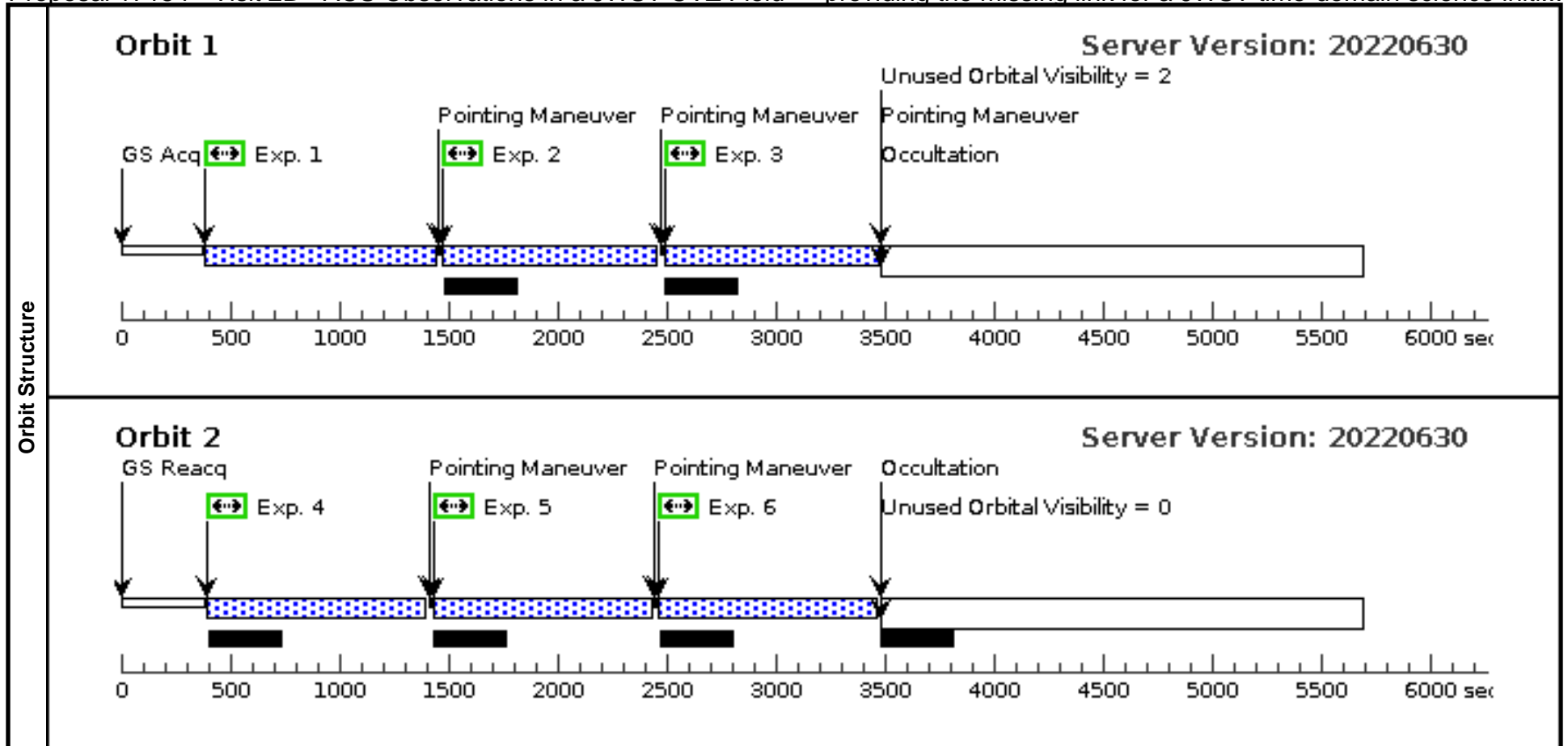
Visit	<b>Proposal 17154, Visit 2A, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 152D TO 152 D; BETWEEN 01-JUL-2023:00:00:00 AND 31-JUL-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SPITZER-IDF-E	RA: 17 40 25.8873 (265.1078637d) Dec: +68 59 7.11 (68.98531d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 2A	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2		(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 2A	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3		(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 2A	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4		(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 2A	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5		(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 2A	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6		(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 2A	710 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 2B - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:32 GMT 2023

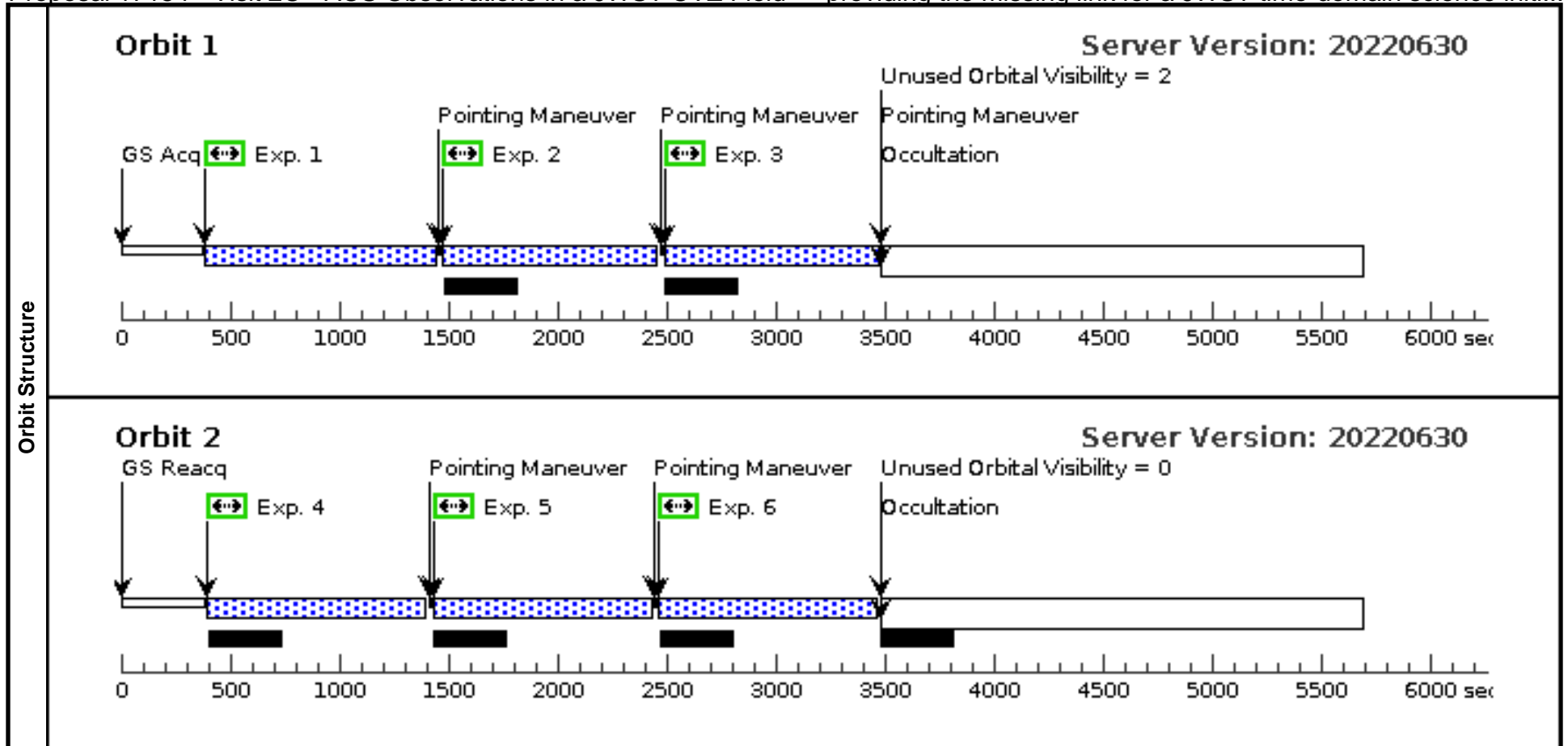
Visit	<b>Proposal 17154, Visit 2B, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 2A; BETWEEN 01-JUL-2023:00:00:00 AND 31-JUL-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	SPITZER-IDF-W	RA: 17 39 51.7373 (264.9655721d) Dec: +68 57 53.27 (68.96480d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 2B	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 2B	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 2B	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 2B	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 2B	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F435W			POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 2B	710 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 2C - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:33 GMT 2023

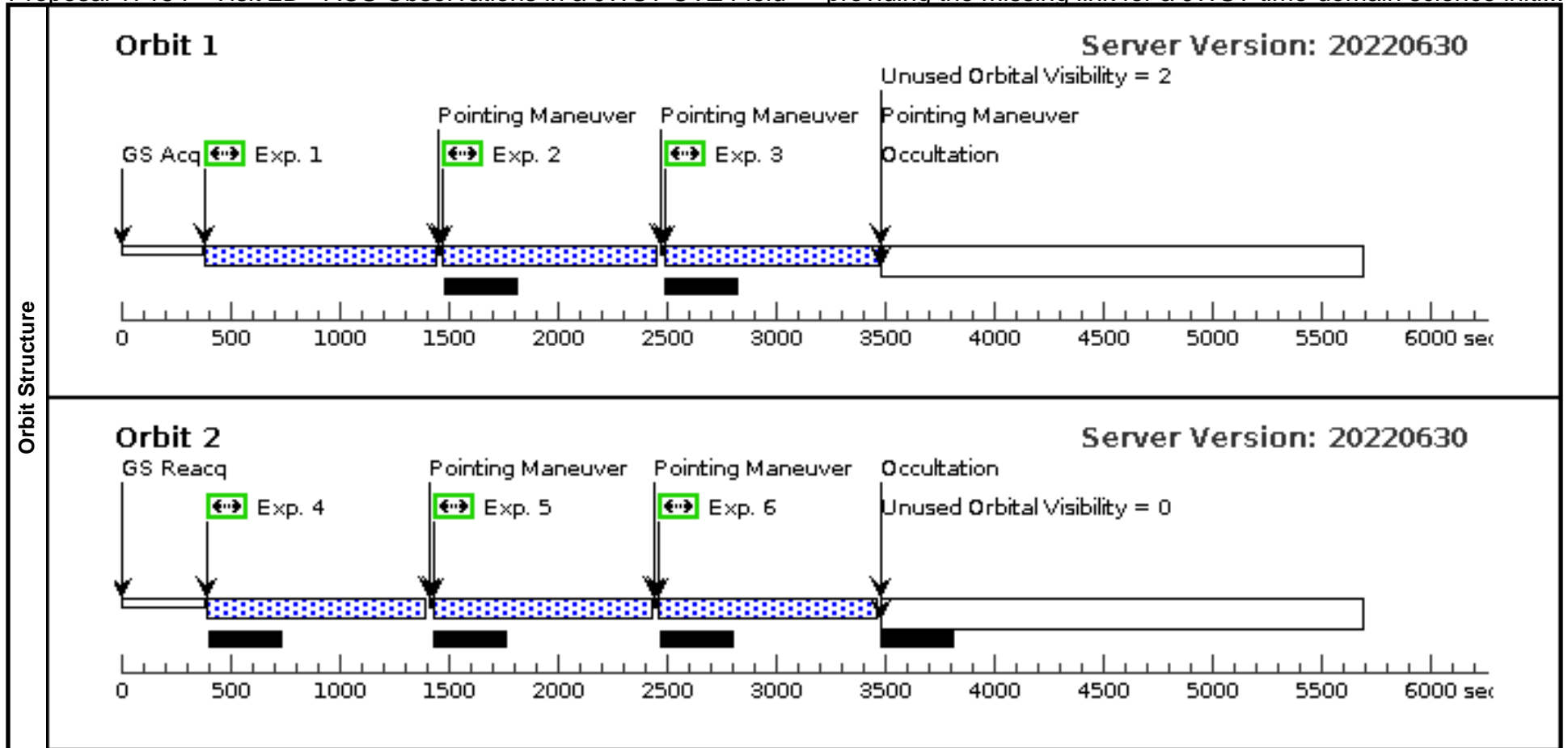
Visit	<b>Proposal 17154, Visit 2C, scheduled</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 2A; BETWEEN 01-JUL-2023:00:00:00 AND 31-JUL-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(1)	SPITZER-IDF-E	RA: 17 40 25.8873 (265.1078637d) Dec: +68 59 7.11 (68.98531d) Equinox: J2000		V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 2C	685 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	2	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 2C	685 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	3	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 2C	685 Secs (855 Secs) [==>855.0 Secs ]	[1]		
	4	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 2C	710 Secs (880 Secs) [==>880.0 Secs ]	[2]		
	5	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 2C	710 Secs (880 Secs) [==>880.0 Secs ]	[2]		
	6	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F606W	POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 2C	710 Secs (880 Secs) [==>880.0 Secs ]	[2]		



Proposal 17154 - Visit 2D - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:33 GMT 2023

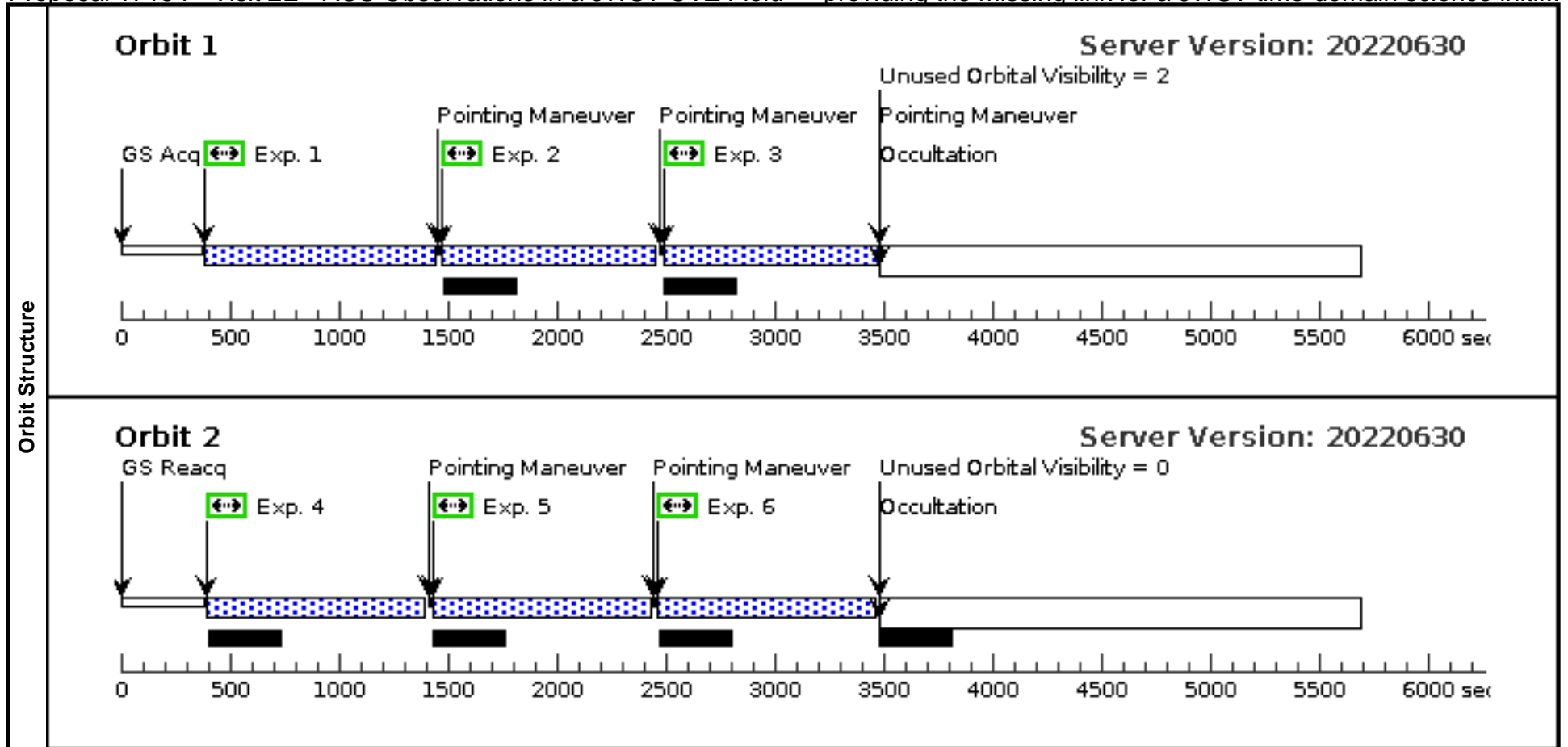
Visit	<b>Proposal 17154, Visit 2D, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 2A; BETWEEN 01-JUL-2023:00:00:00 AND 31-JUL-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	SPITZER-IDF-W	RA: 17 39 51.7373 (264.9655721d) Dec: +68 57 53.27 (68.96480d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 2D	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 2D	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 2D	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 2D	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 2D	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 2D	710 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 2E - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:33 GMT 2023

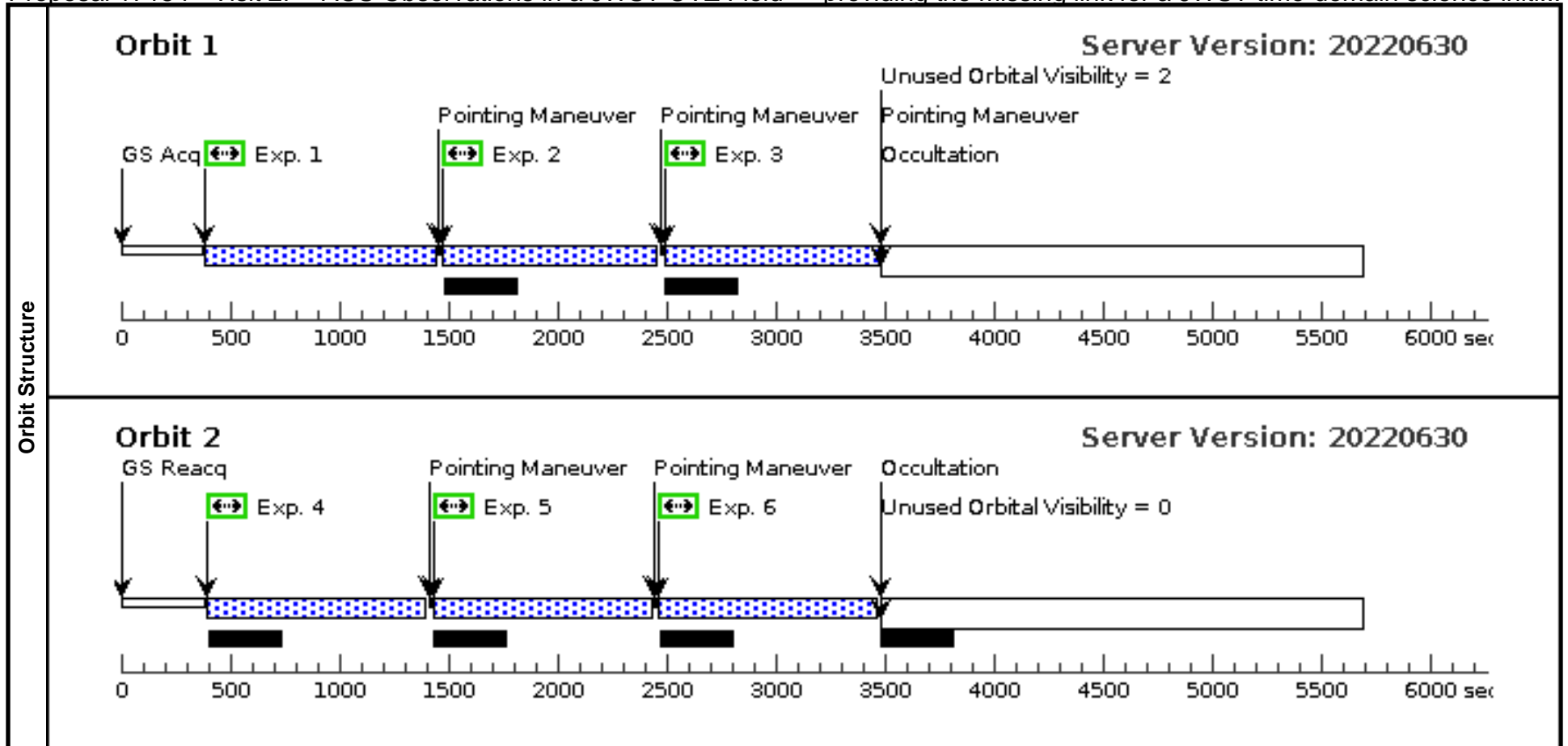
Visit	<b>Proposal 17154, Visit 2E, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 2A; BETWEEN 01-JUL-2023:00:00:00 AND 31-JUL-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SPITZER-IDF-E	RA: 17 40 25.8873 (265.1078637d) Dec: +68 59 7.11 (68.98531d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 2E	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 2E	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 2E	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 2E	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 2E	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6	(1) SPITZER-IDF-E	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 2E	710 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 2F - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:33 GMT 2023

Visit	<b>Proposal 17154, Visit 2F, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 2A; BETWEEN 01-JUL-2023:00:00:00 AND 31-JUL-2023:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	SPITZER-IDF-W	RA: 17 39 51.7373 (264.9655721d) Dec: +68 57 53.27 (68.96480d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 2F	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	2	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 2F	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	3	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 2F	685 Secs (855 Secs) [==>855.0 Secs ]	[1]
	4	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 2F	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	5	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 2F	710 Secs (880 Secs) [==>880.0 Secs ]	[2]
	6	(2) SPITZER-IDF-W	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 2F	710 Secs (880 Secs) [==>880.0 Secs ]	[2]



Proposal 17154 - Visit 3A - ACS Observations in a JWST CVZ Field --- providing the missing link for a JWST time-domain science initi...

Tue Jul 18 21:00:33 GMT 2023

Visit	<b>Proposal 17154, Visit 3A</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 147D TO 147 D; BETWEEN 15-JUL-2023:00:00:00 AND 05-AUG-2023:00:00:00; VISIBILITY INTERVAL 4000 S									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	SPITZER-IDF-E2	RA: 17 40 25.7972 (265.1074883d) Dec: +68 59 3.27 (68.98424d) Equinox: J2000			V=26	Reference Frame: ICRS			
	<i>Comments:</i> Category=UNIDENTIFIED Description=[HIGH LATITUDE FIELD]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) SPITZER-IDF-E2	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG -0.033,-0.033; GS ACQ SCENARIO BASE1B3	Sequence 1-3 Non-Int in Visit 3A	805 Secs (1027 Secs) [==>1027.0 Secs ]	[1]
	2		(3) SPITZER-IDF-E2	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG 0.1,0.1	Sequence 1-3 Non-Int in Visit 3A	805 Secs (1027 Secs) [==>1027.0 Secs ]	[1]
	3		(3) SPITZER-IDF-E2	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG -0.067,0.067	Sequence 1-3 Non-Int in Visit 3A	805 Secs (1027 Secs) [==>1027.0 Secs ]	[1]
	4		(3) SPITZER-IDF-E2	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG -0.1,-0.1	Sequence 4-6 Non-Int in Visit 3A	830 Secs (1051 Secs) [==>1051.0 Secs ]	[2]
	5		(3) SPITZER-IDF-E2	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG 0.067,-0.067	Sequence 4-6 Non-Int in Visit 3A	830 Secs (1051 Secs) [==>1051.0 Secs ]	[2]
	6		(3) SPITZER-IDF-E2	ACS/WFC, ACCUM, WFCENTER	F435W		POS TARG 0.033,0.033	Sequence 4-6 Non-Int in Visit 3A	830 Secs (1051 Secs) [==>1051.0 Secs ]	[2]

