



17218 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

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

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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Prof. Zhi-Yun Li (CoI) (AdminUSPI)	The University of Virginia
Dr. Massimo Robberto (CoI)	The Johns Hopkins 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>
12	(3) SH2-284-3	WFC3/IR	1	20-Mar-2023 13:00:17.0	yes
52	(3) SH2-284-3	WFC3/IR	1	20-Mar-2023 13:00:18.0	yes
13	(3) SH2-284-3	WFC3/IR	1	20-Mar-2023 13:00:19.0	yes
53	(3) SH2-284-3	WFC3/IR	1	20-Mar-2023 13:00:20.0	yes
14	(3) SH2-284-3	WFC3/IR	1	20-Mar-2023 13:00:21.0	yes
15	(3) SH2-284-3	WFC3/IR	1	20-Mar-2023 13:00:22.0	yes
54	(3) SH2-284-3	WFC3/IR	1	20-Mar-2023 13:00:22.0	yes
19	(23) SH2-284-5	WFC3/IR	1	20-Mar-2023 13:00:23.0	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>
20	(23) SH2-284-5	WFC3/IR	1	20-Mar-2023 13:00:24.0	yes
21	(23) SH2-284-5	WFC3/IR	1	20-Mar-2023 13:00:25.0	yes
22	(23) SH2-284-5	WFC3/IR	1	20-Mar-2023 13:00:26.0	yes
16	(4) SH2-284-4	WFC3/IR	1	20-Mar-2023 13:00:27.0	yes
55	(4) SH2-284-4	WFC3/IR	1	20-Mar-2023 13:00:28.0	yes
17	(4) SH2-284-4	WFC3/IR	1	20-Mar-2023 13:00:28.0	yes
56	(4) SH2-284-4	WFC3/IR	1	20-Mar-2023 13:00:30.0	yes
18	(4) SH2-284-4	WFC3/IR	1	20-Mar-2023 13:00:31.0	yes
23	(1) SH2-284-1	WFC3/IR	1	20-Mar-2023 13:00:31.0	yes

17 Total Orbits Used

ABSTRACT

The origin of the stellar and brown dwarf Initial Mass Function (IMF) and whether it is universal are major open questions in modern astrophysics, impacting our understanding of the star formation process and interpretation of mass to light ratios of unresolved stellar populations. Of particular interest is whether the IMF changes with metallicity, especially at low metallicities, which would be conditions applicable for the early Universe. Star-forming regions near the Sun all have close to solar metallicity and are thus not useful for this experiment. The Magellanic Clouds are significantly sub-solar in metallicity, but are too distant for current telescopes and instrumentation to reach below 0.25 Msun where the Galactic field IMF peaks. Here we propose to target forming star clusters within Sh2-284, one of the most metal-poor HII regions in the outer Galaxy. WFC3's combination of high spatial resolution, efficient mosaicing possibilities and access to target water absorption bands makes it ideal to map the full area of the clusters and to derive effective temperatures for the low-mass young stellar objects (YSOs), allowing them to be placed in the HR diagram and field star contamination eliminated. With a clean sample of low-mass objects down to 50 Jupiter masses, this study will yield the most comprehensive statistics of the low-mass IMF in low-metallicity region to date, enabling a detailed comparison with local field and solar-metallicity cluster IMFs. Our proposed observations have joint coverage with one cluster to be observed with JWST, which will enable cross calibration of YSO characterization methods between these facilities.

OBSERVING DESCRIPTION

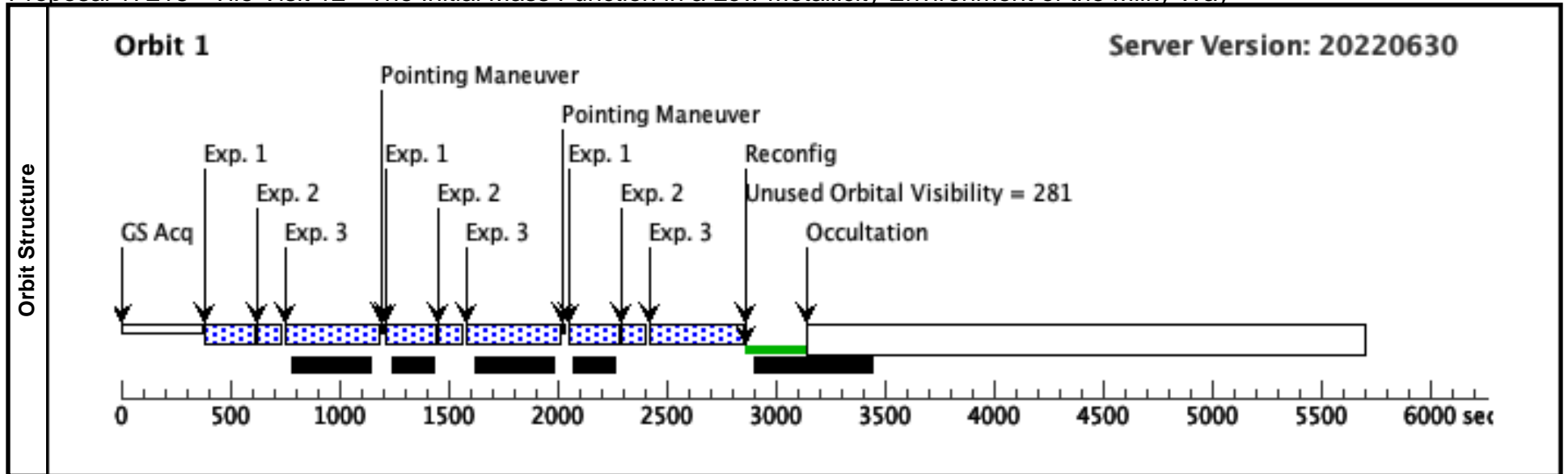
The is a relatively straightforward setup to image four regions within a larger star forming region using WFC3 using the three filters F125W, F139M, and F160W. The exposures are relatively short and since we do need some dithers it has been a challenge working around losing too much time due to buffer dumps. We believe the current setup is a decent compromise but will be happy to hear any suggestions that can make the program more efficient.

There are three setups: 2*2 mosaics, one 1*1 pointing and a 1*3 mosaic. For all of them it is assumed that the wide direction of the WFC3 FOV is in the PA 0 direction, if that is not the case we will change the setup accordingly.

Proposal 17218 - Tile Visit 12 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:32 GMT 2023

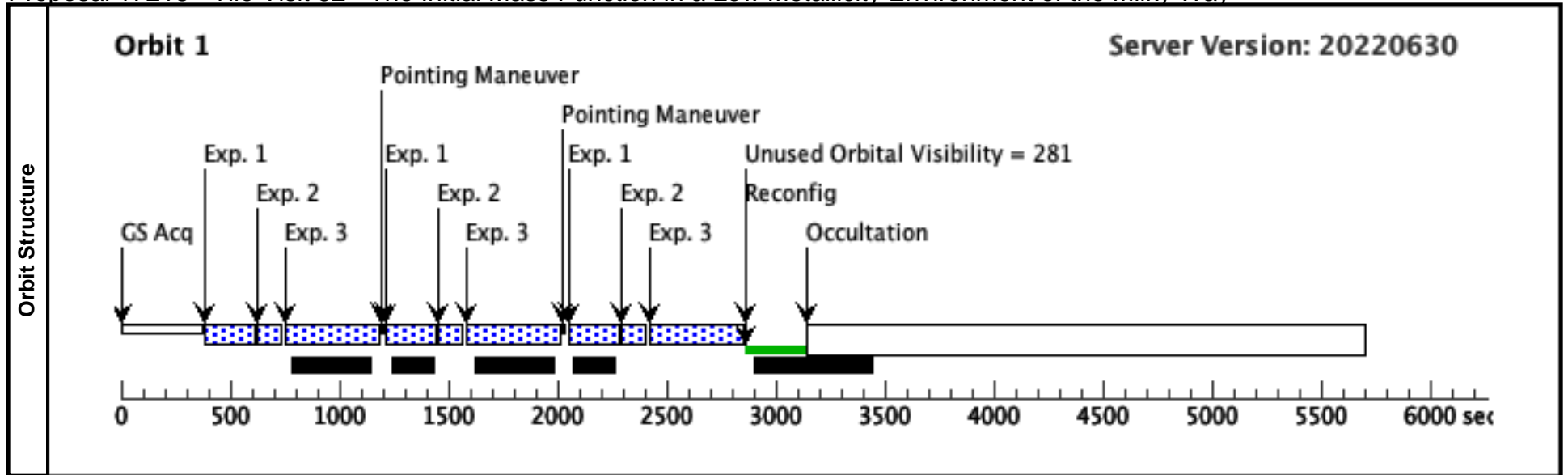
Visit	Proposal 17218, Tile Visit 12, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 40D TO 50 D									
	(Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 12) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 12) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 12) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true	(1-3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SH2-284-3	RA: 06 44 51.4001 (101.2141671d) Dec: +00 20 6.75 (.33521d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,-55.4 579999999997	Pattern 7, Exps 1-3 in Tile Visit 12 (7)	199.231 Secs (597.693 Secs)	
	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]									
	[1]									
2	(3) SH2-284-3	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,-55.4 579999999997	Pattern 7, Exps 1-3 in Tile Visit 12 (7)	99.230677 Secs (297.692 Secs)	
[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]										
[1]										
3	(3) SH2-284-3	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,-55.4 579999999997	Pattern 7, Exps 1-3 in Tile Visit 12 (7)	399.231067 Secs (1197.693 Secs)	
[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]										
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Proposal 17218 - Tile Visit 52 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:32 GMT 2023

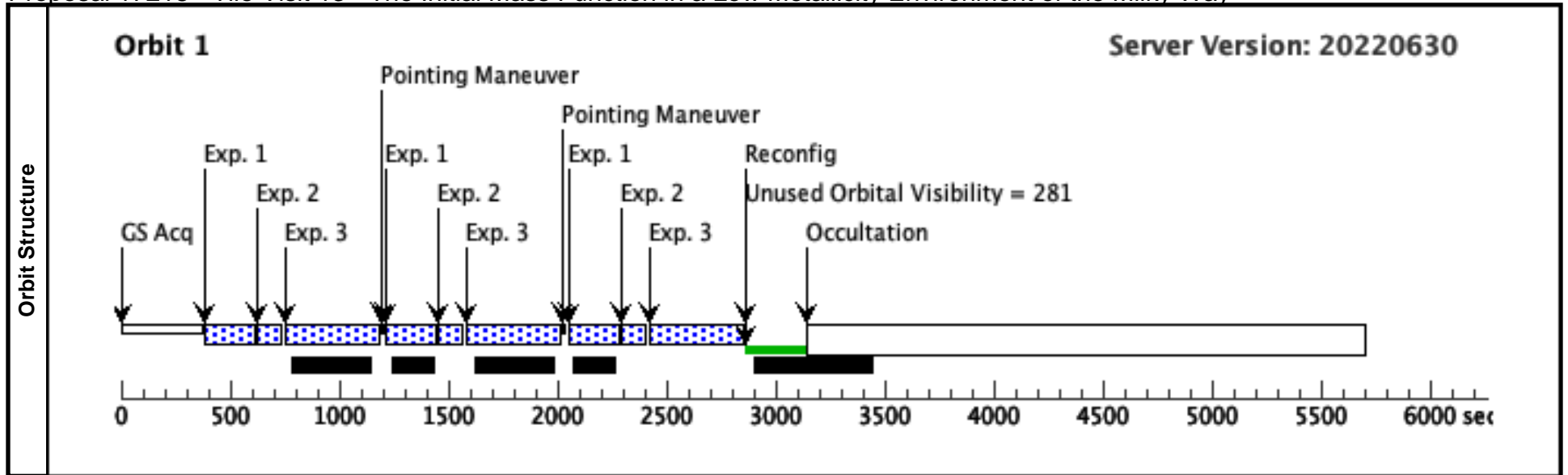
Visit	Proposal 17218, Tile Visit 52, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 12									
	(Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 52) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 52) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 52) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SH2-284-3	RA: 06 44 51.4001 (101.2141671d) Dec: +00 20 6.75 (.33521d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,-55.4 579999999997	Pattern 7, Exps 1-3 in Tile Visit 52 (7)	199.231 Secs (597.693 Secs)	
	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]									
	2	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,-55.4 579999999997	Pattern 7, Exps 1-3 in Tile Visit 52 (7)	99.230677 Secs (297.692 Secs)	
[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]										
3	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,-55.4 579999999997	Pattern 7, Exps 1-3 in Tile Visit 52 (7)	399.231067 Secs (1197.693 Secs)		
[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]										



Proposal 17218 - Tile Visit 13 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

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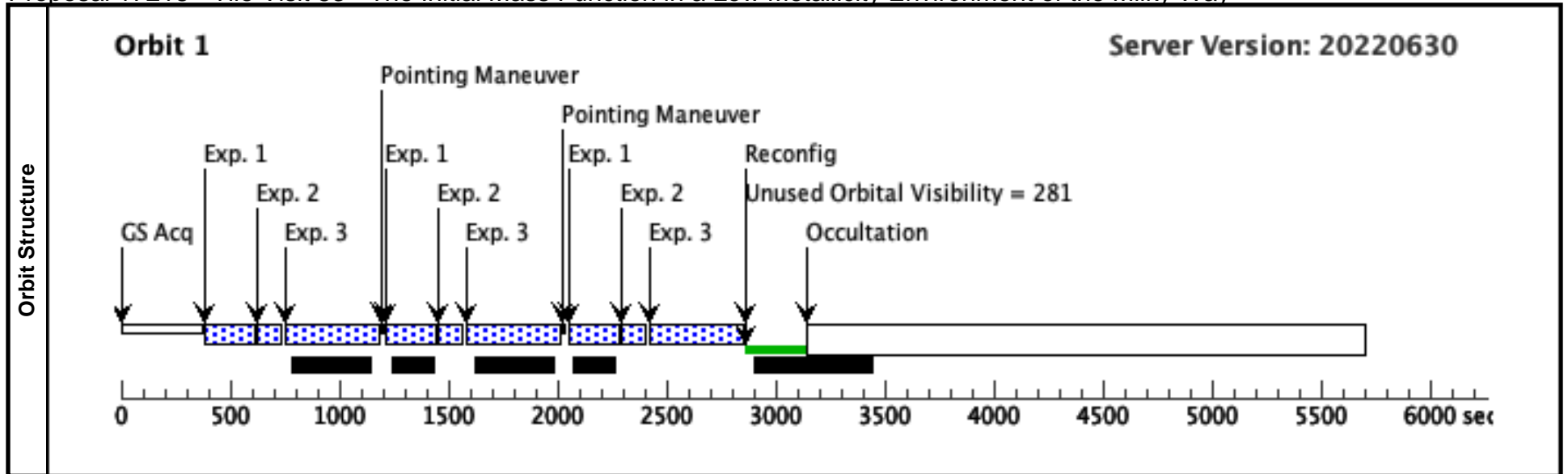
Visit	Proposal 17218, Tile Visit 13, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 12									
	Diagnosics (Tile Visit 13) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 13) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 13) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 13) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true		(1-3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SH2-284-3	RA: 06 44 51.4001 (101.2141671d) Dec: +00 20 6.75 (.33521d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,-55.45 799999999997	Pattern 7, Exps 1-3 in Tile Visit 13 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,-55.45 799999999997	Pattern 7, Exps 1-3 in Tile Visit 13 (7)	99.230677 Secs (297.692 Secs)	
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
3	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,-55.45 799999999997	Pattern 7, Exps 1-3 in Tile Visit 13 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 17218 - Tile Visit 53 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

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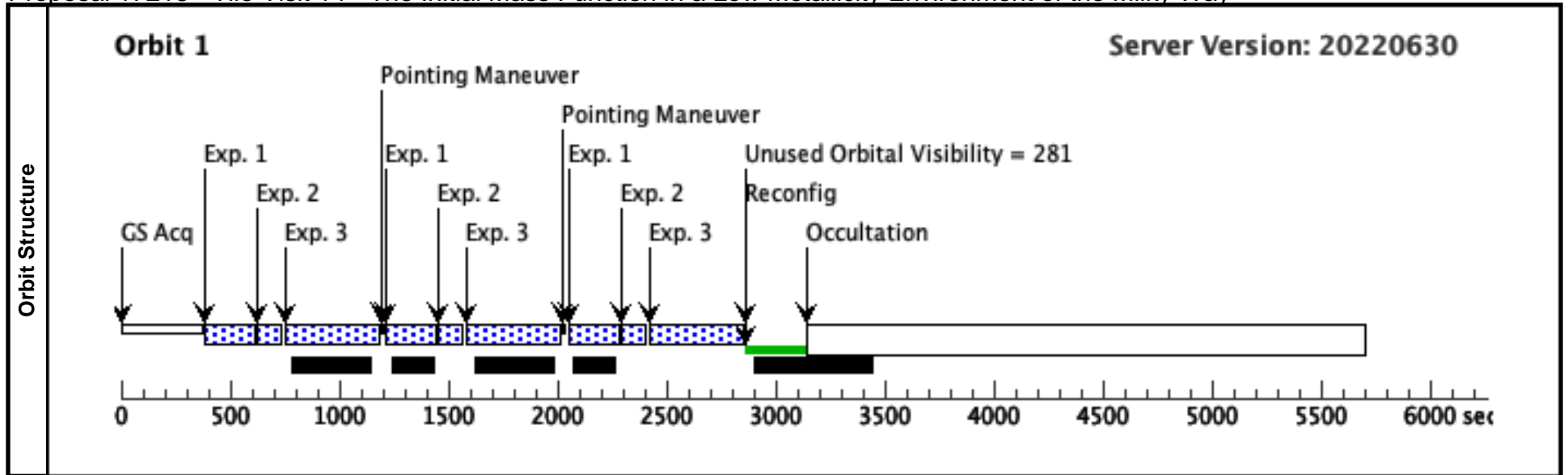
Visit	Proposal 17218, Tile Visit 53, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 12									
	Diagnosics (Tile Visit 53) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 53) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 53) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 53) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SH2-284-3	RA: 06 44 51.4001 (101.2141671d) Dec: +00 20 6.75 (.33521d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
	<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8;	POS TARG 62.5664 2499999995,-55.45 SAMP-SEQ=STEP2 79999999997	Pattern 7, Exps 1-3 in Tile Visit 53 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	
									[=>(Pattern 3)]	
2	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7;	POS TARG 62.5664 2499999995,-55.45 SAMP-SEQ=STEP2 79999999997	Pattern 7, Exps 1-3 in Tile Visit 53 (7)	99.230677 Secs (297.692 Secs)		
								[=>(Pattern 1)]	[1]	
								[=>(Pattern 2)]		
								[=>(Pattern 3)]		
3	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9;	POS TARG 62.5664 2499999995,-55.45 SAMP-SEQ=STEP2 79999999997	Pattern 7, Exps 1-3 in Tile Visit 53 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)]	[1]	
								[=>(Pattern 2)]		
								[=>(Pattern 3)]		



Proposal 17218 - Tile Visit 14 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:32 GMT 2023

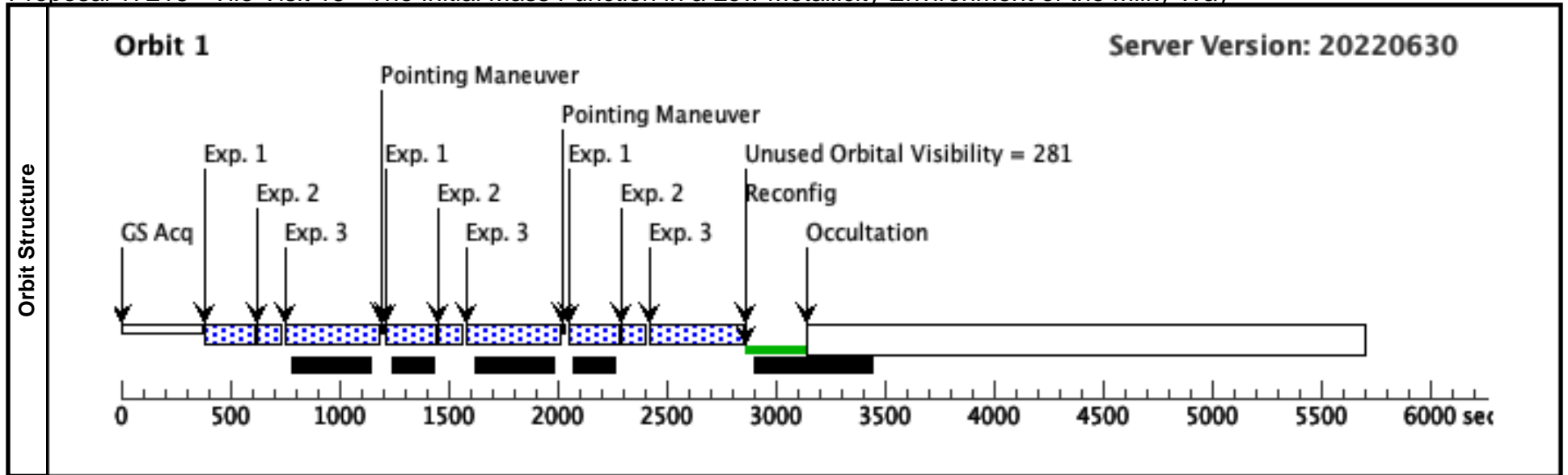
Visit	Proposal 17218, Tile Visit 14, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 12									
	Diagnosics (Tile Visit 14) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 14) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 14) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 14) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SH2-284-3	RA: 06 44 51.4001 (101.2141671d) Dec: +00 20 6.75 (.33521d) Equinox: J2000 <i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]		V=12.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,55.45 799999999997	Pattern 7, Exps 1-3 in Tile Visit 14 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)]	
									[=>(Pattern 2)]	[1]
									[=>(Pattern 3)]	
	2	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,55.45 799999999997	Pattern 7, Exps 1-3 in Tile Visit 14 (7)	99.230677 Secs (297.692 Secs)	
								[=>(Pattern 1)]		
								[=>(Pattern 2)]	[1]	
								[=>(Pattern 3)]		
3	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG -62.566 42499999995,55.45 799999999997	Pattern 7, Exps 1-3 in Tile Visit 14 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)]		
								[=>(Pattern 2)]	[1]	
								[=>(Pattern 3)]		



Proposal 17218 - Tile Visit 15 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:32 GMT 2023

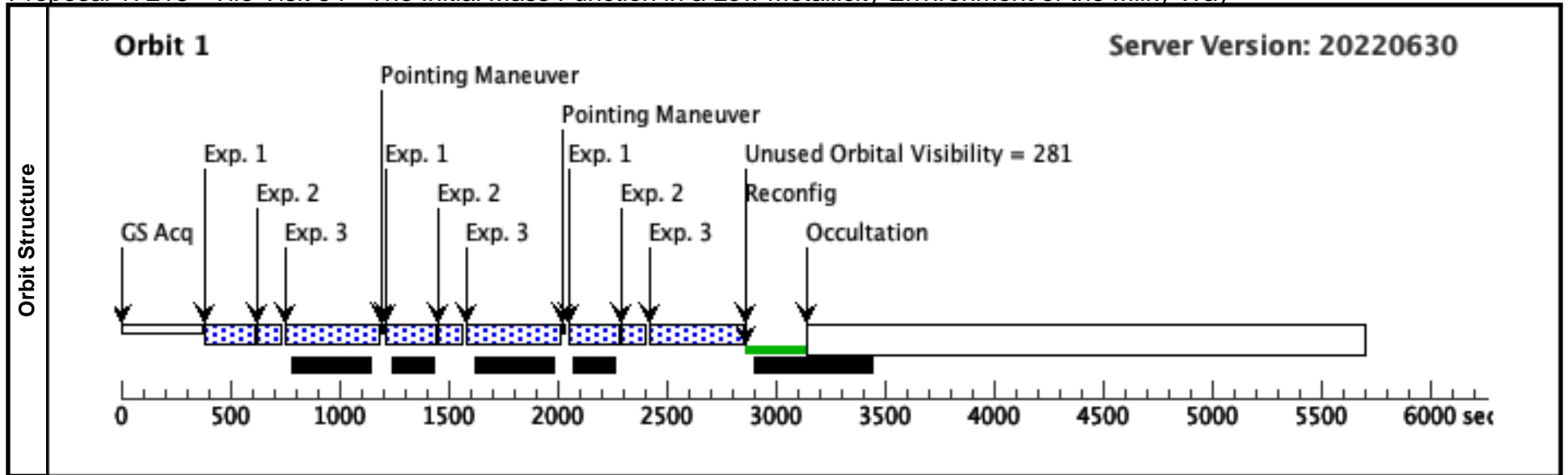
Visit	Proposal 17218, Tile Visit 15, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 12									
	Diagnosics (Tile Visit 15) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 15) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 15) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 15) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SH2-284-3	RA: 06 44 51.4001 (101.2141671d) Dec: +00 20 6.75 (.33521d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 i n Tile Visit 15 (7)	199.231 Secs (597.693 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 i n Tile Visit 15 (7)	99.230677 Secs (297.692 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 i n Tile Visit 15 (7)	399.231067 Secs (1197.693 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 17218 - Tile Visit 54 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:32 GMT 2023

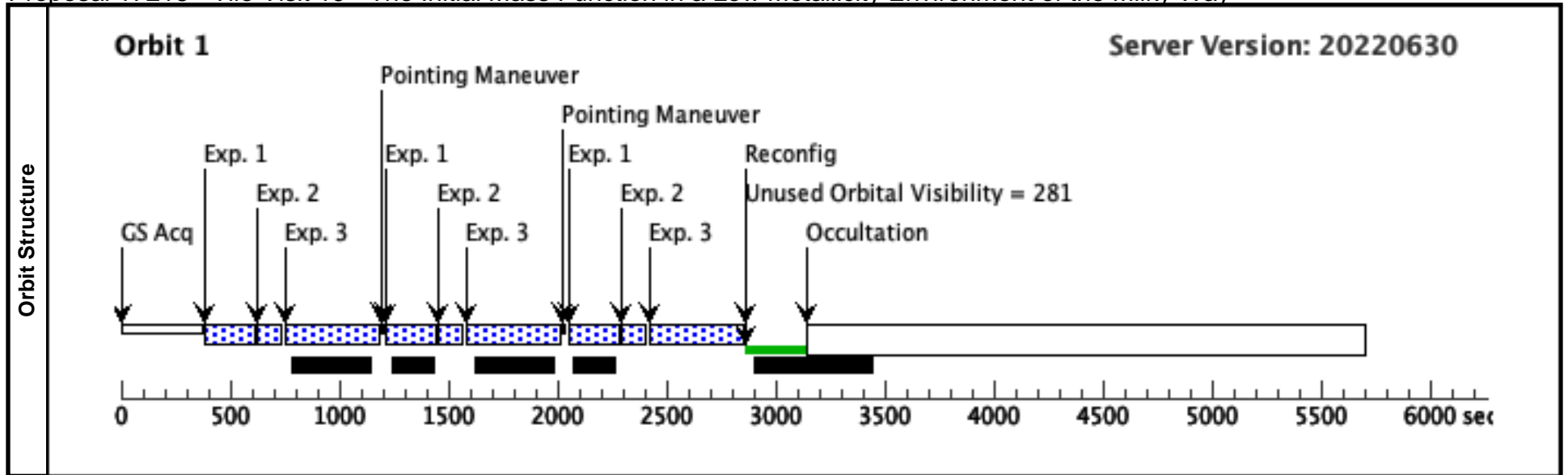
Visit	Proposal 17218, Tile Visit 54, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 12 <i>Comments: HOPR copy of 15</i>									
	Diagnosics (Tile Visit 54) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 54) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 54) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 54) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1-3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SH2-284-3	RA: 06 44 51.4001 (101.2141671d) Dec: +00 20 6.75 (.33521d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments: Category=STELLAR CLUSTER Description=[STAR FORMING REGION]</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 in Tile Visit 54 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 in Tile Visit 54 (7)	99.230677 Secs (297.692 Secs)	
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
3	(3) SH2-284-3	(3) SH2-284-3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 in Tile Visit 54 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 17218 - Tile Visit 19 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:32 GMT 2023

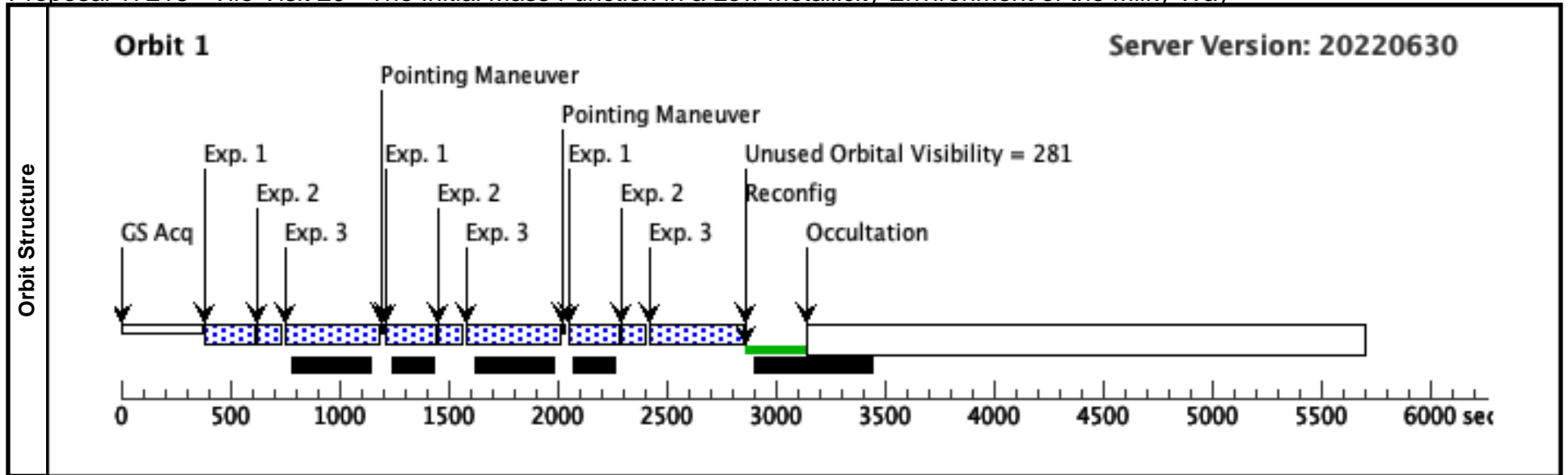
Visit	Proposal 17218, Tile Visit 19, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 350D TO 10 D									
	(Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 19) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 19) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 19) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true	(1-3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	SH2-284-5	RA: 06 47 13.2000 (101.8050000d) Dec: +00 26 5.00 (.43472d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(23) SH2-284-5	(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP200	POS TARG -62.566 424999999995,-55.4 5799999999997	Pattern 7, Exps 1-3 in Tile Visit 19 (7)	199.231 Secs (597.693 Secs)	
	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]									
	2	(23) SH2-284-5	(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP200	POS TARG -62.566 424999999995,-55.4 5799999999997	Pattern 7, Exps 1-3 in Tile Visit 19 (7)	99.230677 Secs (297.692 Secs)	
[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]										
3	(23) SH2-284-5	(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP200	POS TARG -62.566 424999999995,-55.4 5799999999997	Pattern 7, Exps 1-3 in Tile Visit 19 (7)	399.231067 Secs (1197.693 Secs)		
[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]										



Proposal 17218 - Tile Visit 20 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:32 GMT 2023

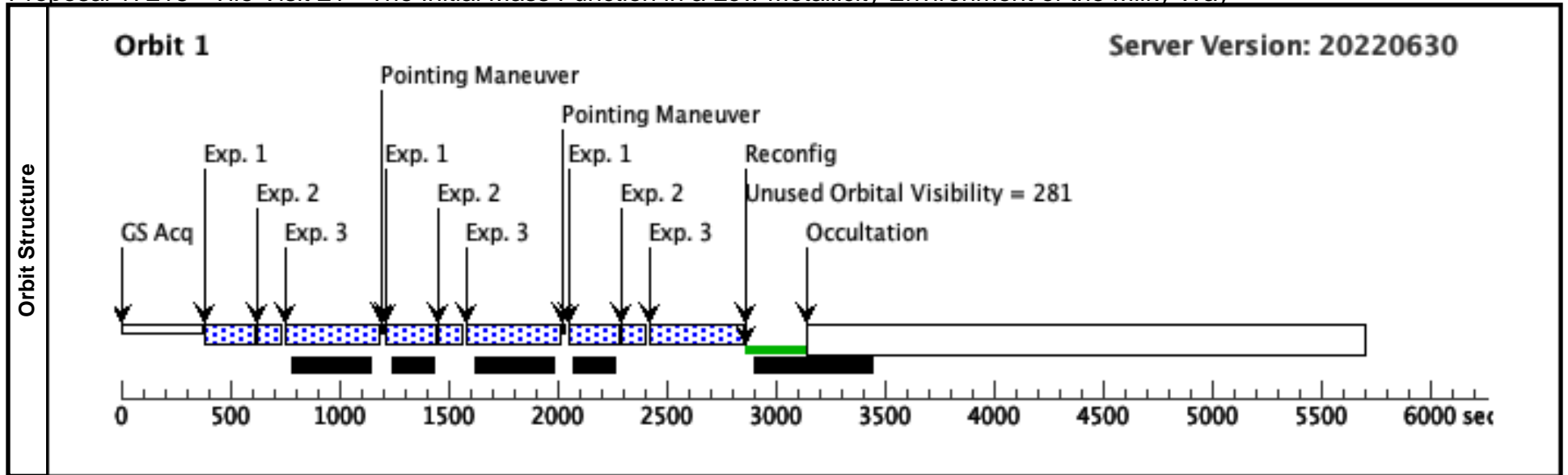
Visit	Proposal 17218, Tile Visit 20, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 19									
	Diagnosics (Tile Visit 20) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 20) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 20) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 20) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true		(1-3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	SH2-284-5	RA: 06 47 13.2000 (101.8050000d) Dec: +00 26 5.00 (.43472d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8;	POS TARG 62.5664 24999999995,-55.45 SAMP-SEQ=STEP2 799999999997 00	Pattern 7, Exps 1-3 in Tile Visit 20 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	
									[=>(Pattern 3)]	
2		(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7;	POS TARG 62.5664 24999999995,-55.45 SAMP-SEQ=STEP2 799999999997 00	Pattern 7, Exps 1-3 in Tile Visit 20 (7)	99.230677 Secs (297.692 Secs)		
								[=>(Pattern 1)]	[1]	
								[=>(Pattern 2)]		
								[=>(Pattern 3)]		
3		(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9;	POS TARG 62.5664 24999999995,-55.45 SAMP-SEQ=STEP2 799999999997 00	Pattern 7, Exps 1-3 in Tile Visit 20 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)]	[1]	
								[=>(Pattern 2)]		
								[=>(Pattern 3)]		



Proposal 17218 - Tile Visit 21 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:32 GMT 2023

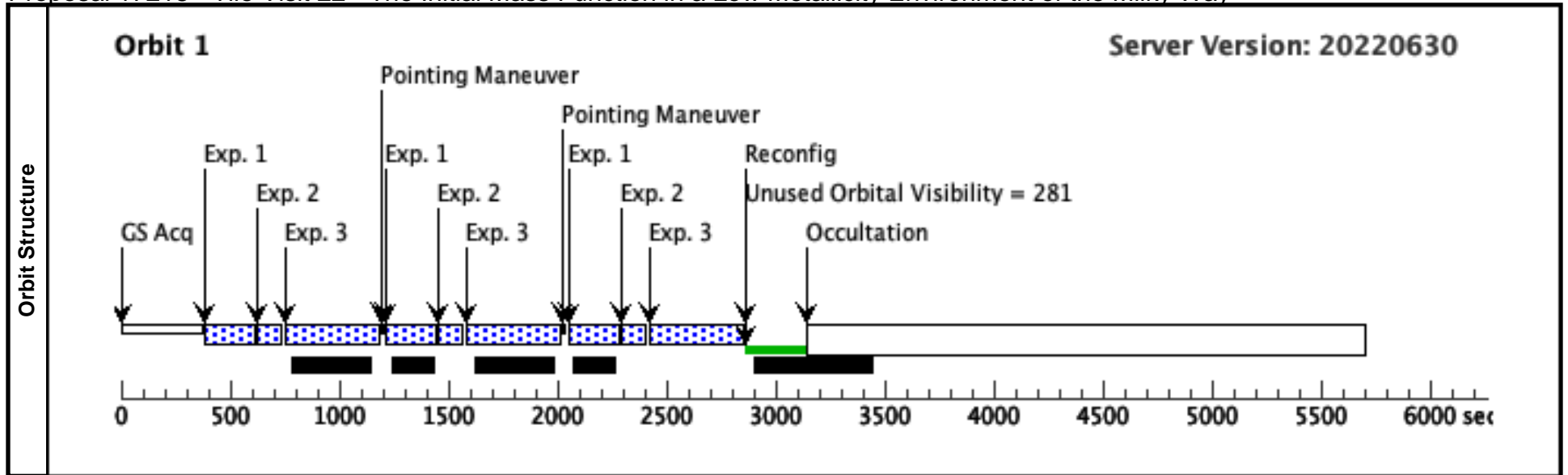
Visit	Proposal 17218, Tile Visit 21, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 19									
	Diagnosics (Tile Visit 21) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 21) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 21) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 21) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true		(1-3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	SH2-284-5	RA: 06 47 13.2000 (101.8050000d) Dec: +00 26 5.00 (.43472d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8;	POS TARG -62.566 42499999995,55.45	Pattern 7, Exps 1-3 in Tile Visit 21 (7)	199.231 Secs (597.693 Secs)	
						SAMP-SEQ=STEP2 00	799999999997		[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2		(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7;	POS TARG -62.566 42499999995,55.45	Pattern 7, Exps 1-3 in Tile Visit 21 (7)	99.230677 Secs (297.692 Secs)	
					SAMP-SEQ=STEP2 00	799999999997		[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
3		(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9;	POS TARG -62.566 42499999995,55.45	Pattern 7, Exps 1-3 in Tile Visit 21 (7)	399.231067 Secs (1197.693 Secs)		
					SAMP-SEQ=STEP2 00	799999999997		[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 17218 - Tile Visit 22 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:33 GMT 2023

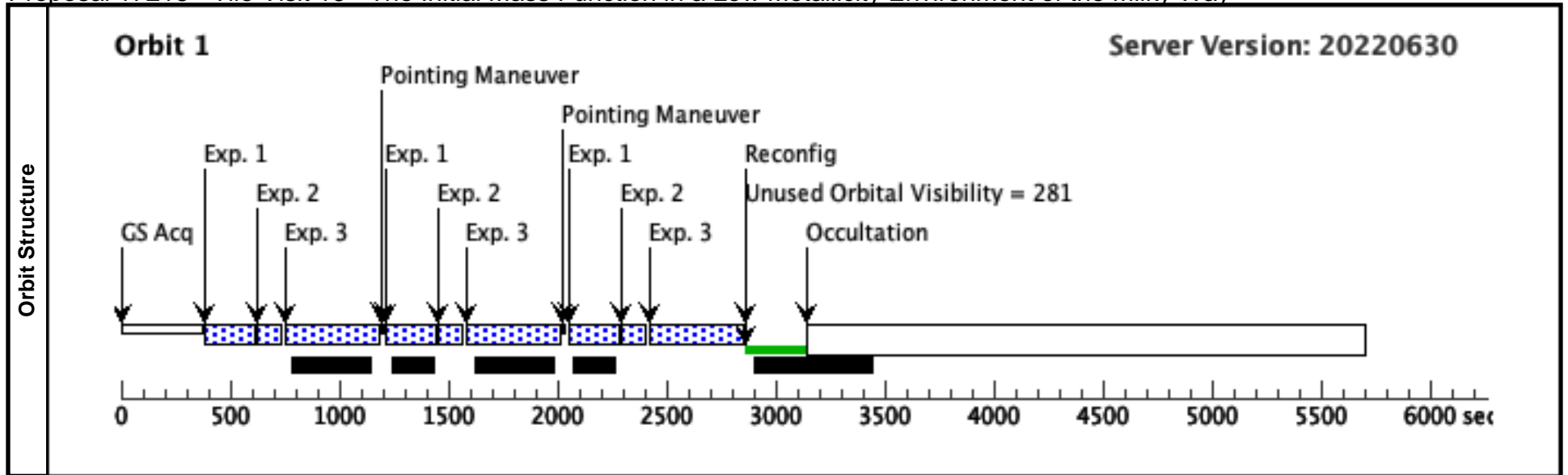
Visit	Proposal 17218, Tile Visit 22, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 19									
	Diagnosics (Tile Visit 22) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 22) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 22) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 22) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true		(1-3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	SH2-284-5	RA: 06 47 13.2000 (101.8050000d) Dec: +00 26 5.00 (.43472d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(23) SH2-284-5	(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 in Tile Visit 22 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	(23) SH2-284-5	(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 in Tile Visit 22 (7)	99.230677 Secs (297.692 Secs)	
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
3	(23) SH2-284-5	(23) SH2-284-5	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG 62.5664 2499999995,55.457 9999999997	Pattern 7, Exps 1-3 in Tile Visit 22 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 17218 - Tile Visit 16 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:33 GMT 2023

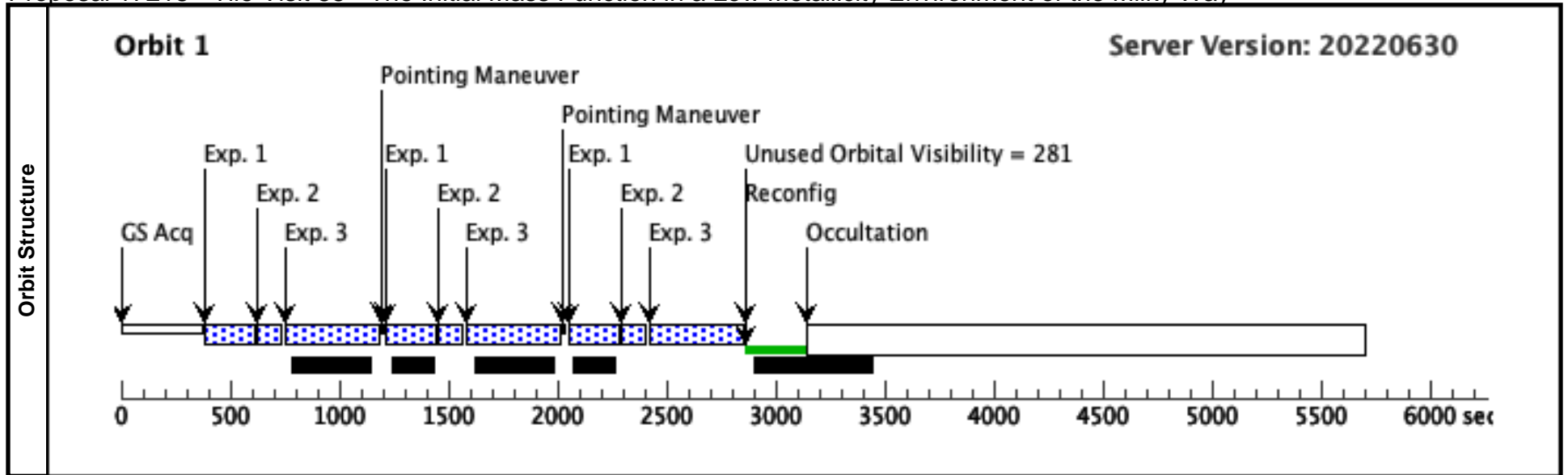
Visit	Proposal 17218, Tile Visit 16, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 43D TO 48 D									
	Diagnosics (Tile Visit 16) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 16) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 16) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 16) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true		(1-3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SH2-284-4	RA: 06 45 15.8070 (101.3158625d) Dec: +00 24 59.50 (.41653d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8;	POS TARG -125.13 28499999999,0.0	Pattern 7, Exps 1-3 i n Tile Visit 16 (7)	199.231 Secs (597.693 Secs)	
						SAMP-SEQ=STEP2 00			[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7;	POS TARG -125.13 28499999999,0.0	Pattern 7, Exps 1-3 i n Tile Visit 16 (7)	99.230677 Secs (297.692 Secs)	
					SAMP-SEQ=STEP2 00			[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
3		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9;	POS TARG -125.13 28499999999,0.0	Pattern 7, Exps 1-3 i n Tile Visit 16 (7)	399.231067 Secs (1197.693 Secs)		
					SAMP-SEQ=STEP2 00			[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 17218 - Tile Visit 55 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:33 GMT 2023

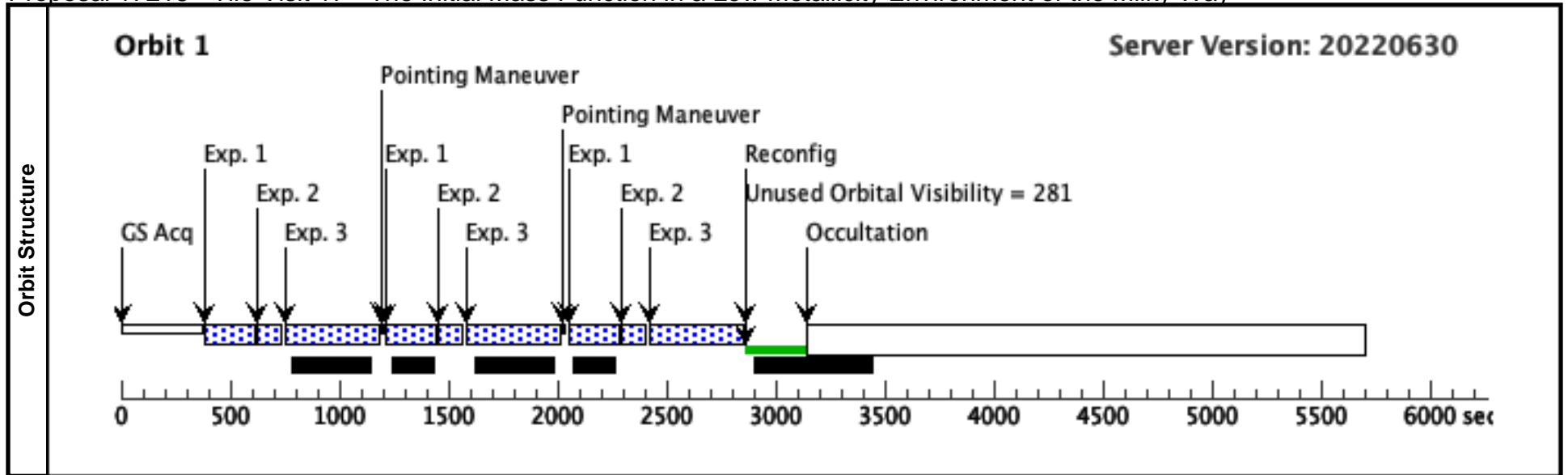
Visit	Proposal 17218, Tile Visit 55, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 16 <i>Comments: HOPR copy of 16</i>									
	Diagnosics (Tile Visit 55) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 55) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 55) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 55) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1-3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SH2-284-4	RA: 06 45 15.8070 (101.3158625d) Dec: +00 24 59.50 (.41653d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) SH2-284-4	(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG -125.13 28499999999,0.0	Pattern 7, Exps 1-3 in Tile Visit 55 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	(4) SH2-284-4	(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG -125.13 28499999999,0.0	Pattern 7, Exps 1-3 in Tile Visit 55 (7)	99.230677 Secs (297.692 Secs)	
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
3	(4) SH2-284-4	(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG -125.13 28499999999,0.0	Pattern 7, Exps 1-3 in Tile Visit 55 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 17218 - Tile Visit 17 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:33 GMT 2023

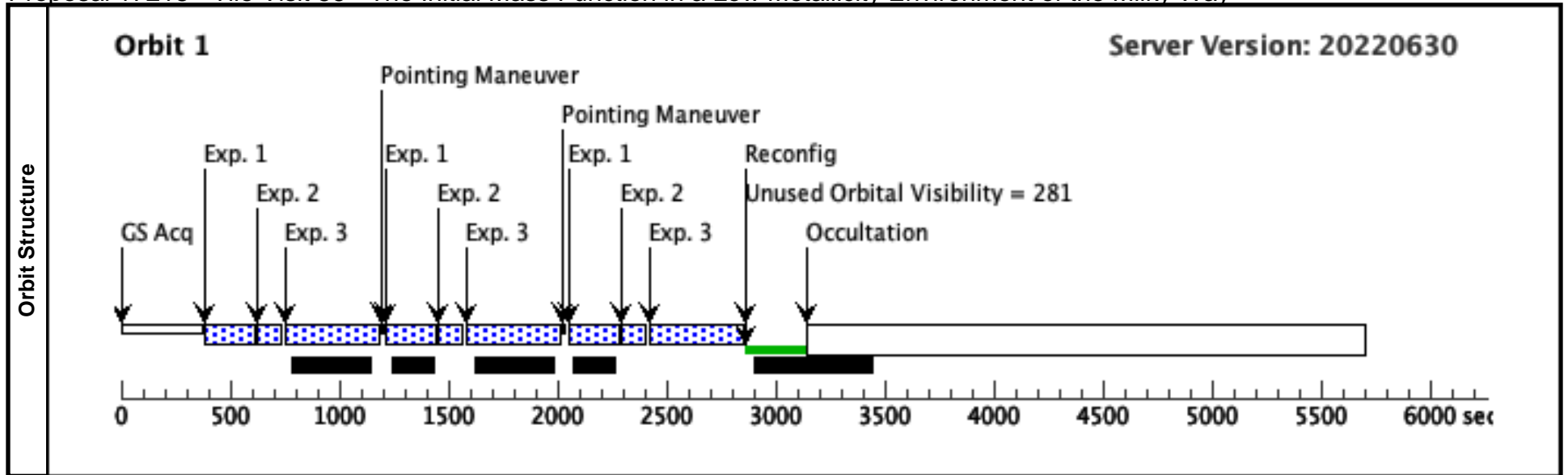
Visit	Proposal 17218, Tile Visit 17, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 16									
	(Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 17) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 17) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 17) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1-3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SH2-284-4	RA: 06 45 15.8070 (101.3158625d) Dec: +00 24 59.50 (.41653d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8;	POS TARG 0.0,0.0	Pattern 7, Exps 1-3 in Tile Visit 17 (7)	199.231 Secs (597.693 Secs)	
	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]									
	[1]									
2		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7;	POS TARG 0.0,0.0	Pattern 7, Exps 1-3 in Tile Visit 17 (7)	99.230677 Secs (297.692 Secs)		
[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]										
[1]										
3		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9;	POS TARG 0.0,0.0	Pattern 7, Exps 1-3 in Tile Visit 17 (7)	399.231067 Secs (1197.693 Secs)		
[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]										
[1]										



Proposal 17218 - Tile Visit 56 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:33 GMT 2023

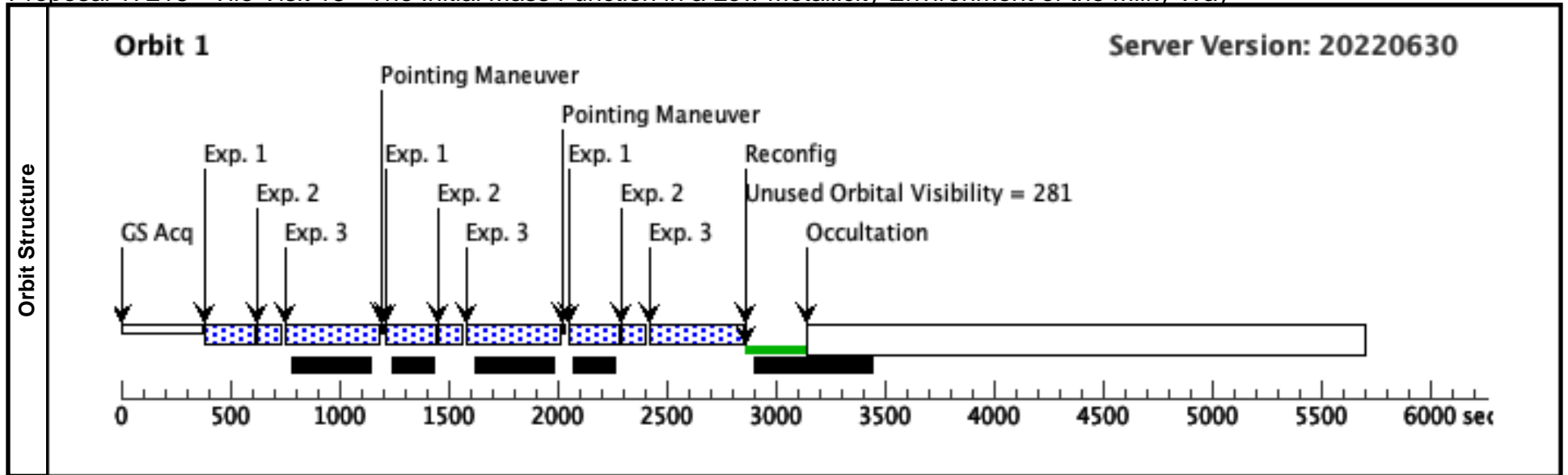
Visit	Proposal 17218, Tile Visit 56 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 16 <i>Comments: HOPR copy of visit 17</i>									
	(Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 56) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 56) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 56) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true		(1-3)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SH2-284-4	RA: 06 45 15.8070 (101.3158625d) Dec: +00 24 59.50 (.41653d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP200	POS TARG 0.0,0.0	Pattern 7, Exps 1-3 in Tile Visit 56 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP200	POS TARG 0.0,0.0	Pattern 7, Exps 1-3 in Tile Visit 56 (7)	99.230677 Secs (297.692 Secs)	
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
3		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP200	POS TARG 0.0,0.0	Pattern 7, Exps 1-3 in Tile Visit 56 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 17218 - Tile Visit 18 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:33 GMT 2023

Visit	Proposal 17218, Tile Visit 18, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 16									
	Diagnosics (Tile Visit 18) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Exposure 1 (Pattern 7, Exps 1-3 in Tile Visit 18) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 2 (Pattern 7, Exps 1-3 in Tile Visit 18) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes (Exposure 3 (Pattern 7, Exps 1-3 in Tile Visit 18) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1-3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SH2-284-4	RA: 06 45 15.8070 (101.3158625d) Dec: +00 24 59.50 (.41653d) Equinox: J2000 <i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]		V=12.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8; SAMP-SEQ=STEP2 00	POS TARG 125.132 8499999999,0.0	Pattern 7, Exps 1-3 in Tile Visit 18 (7)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=STEP2 00	POS TARG 125.132 8499999999,0.0	Pattern 7, Exps 1-3 in Tile Visit 18 (7)	99.230677 Secs (297.692 Secs)	
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
3		(4) SH2-284-4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9; SAMP-SEQ=STEP2 00	POS TARG 125.132 8499999999,0.0	Pattern 7, Exps 1-3 in Tile Visit 18 (7)	399.231067 Secs (1197.693 Secs)		
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 17218 - Visit 23 - The Initial Mass Function in a Low Metallicity Environment of the Milky Way

Mon Mar 20 17:00:33 GMT 2023

Visit	Proposal 17218, Visit 23, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 40D TO 40 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(7)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true		(1-3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SH2-284-1	RA: 06 46 16.3306 (101.5680442d) Dec: +00 06 5.51 (.10153d) Equinox: J2000		V=12.5	Reference Frame: ICRS				
<i>Comments:</i> Category=STELLAR CLUSTER Description=[STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SH2-284-1	WFC3/IR, MULTIACCUM, IR	F125W	NSAMP=8;		Pattern 7, Exps 1-3 in Visit 23 (7)	199.231 Secs (597.693 Secs)	
						SAMP-SEQ=STEP200			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(1) SH2-284-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7;		Pattern 7, Exps 1-3 in Visit 23 (7)	99.230677 Secs (297.692 Secs)	
					SAMP-SEQ=STEP200			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
3		(1) SH2-284-1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=9;		Pattern 7, Exps 1-3 in Visit 23 (7)	399.231067 Secs (1197.693 Secs)		
					SAMP-SEQ=STEP200			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	

