



17129 - Hot stars in the stellar evolution laboratory IZw18

Cycle: 30, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(2) MRK-116-COPY	WFC3/UVIS	3	13-Dec-2022 09:00:19.0	yes
10	(2) MRK-116-COPY	WFC3/UVIS	2	13-Dec-2022 09:00:20.0	yes
02	(2) MRK-116-COPY	WFC3/UVIS	3	13-Dec-2022 09:00:20.0	yes
11	(2) MRK-116-COPY	WFC3/UVIS	2	13-Dec-2022 09:00:21.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
03	(2) MRK-116-COPY	WFC3/UVIS	3	13-Dec-2022 09:00:21.0	yes
12	(2) MRK-116-COPY	WFC3/UVIS	2	13-Dec-2022 09:00:22.0	yes
04	(2) MRK-116-COPY	WFC3/UVIS	3	13-Dec-2022 09:00:22.0	yes
13	(2) MRK-116-COPY	WFC3/UVIS	3	13-Dec-2022 09:00:23.0	yes
05	(2) MRK-116-COPY	WFC3/UVIS	3	13-Dec-2022 09:00:23.0	yes
08	(1) MRK-116	ACS/SBC	2	13-Dec-2022 09:00:24.0	yes
09	(1) MRK-116	ACS/SBC	2	13-Dec-2022 09:00:24.0	yes

28 Total Orbits Used

ABSTRACT

The extremely metal-poor star forming galaxy IZw18 is a key laboratory for galactic and stellar evolution studies. Deep HST V- and I-band imaging has revealed an underlying population, and determined its distance through observations of cepheids and the tip of the red giant branch. It will soon be targeted by JWST/NIRCAM and MIRI to provide a complete census of evolved red stars and young stellar objects. However, deep imaging in the blue and ultraviolet which is where the young massive stars are the brightest and are best studied is lacking, which we here propose to remedy. By deep far UV to blue imaging in 4 filters a census of the hot star population in IZw18 and the extinction law at very low metallicity would be obtained. With the exquisite spatial resolution of HST and using the HeII 4686 narrow-band filter, we can, for the first time, identify what sources are responsible for the HeII emission including Wolf-Rayet stars, but also hard ionizing sources, such as rapid rotators, binary stripped stars, or accreting compact objects, and provide constraints on stellar evolutionary theories at low metallicity. The observations would also allow a much improved determination of the recent star formation history, and a characterisation of the luminous red stars that JWST will see.

OBSERVING DESCRIPTION

WFC3/UVIS observations:

F438W: 2 visits with in total 5 (3+2) full orbit duration and dithred exposures with no flash. It uses the 5-point dither schemes described in Anderson (WFC3 2020-07). Should, if possible, be obtained within +/-1 month of the JWST-GTO (program 1233) currently scheduled between 22 Oct and 22 Dec 2022. The target is placed in UVIS2 for optimum blue/UV performance

Proposal 17129 (STScI Edit Number: 30, Created: Tuesday, December 13, 2022 at 9:00:24 AM Eastern Standard Time) - Overview

F336W: 2 visits with in total 5 (3+2) full orbit exposures with the same prescription and timing constraints as for F438W, but with flash=5 added to each exposure

F225W: 2 visits with in total 5 (3+2) orbits with the same strategy as for F438W and F336W, but flash=8

F469N: 9 orbits wit full orbit exposures, split in three visits, employing the 9-point dither scheme, as described in Anderson (WFC3 2020-07). Here flash=10.

ACS/SBC observations:

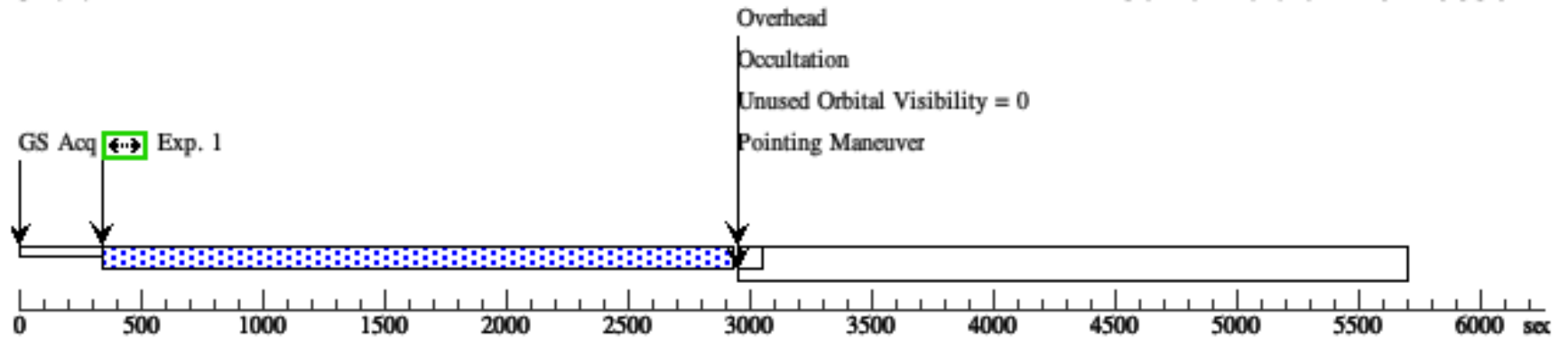
4 orbits are dedicated to F140LP observations, split in two visits which should be separated in time with a few hours, during which the SBC high voltage was not turned on, to avoid heating up the SBC detector which would incur increased dark current. We tried first to set the orient constraints such that component C would also be included, but this turned out to be non-schedulable. Instead we focus on the main body and adopt no orient constraints in order to allow scheduling close in time with the other visits. In total, 4 exposures will be obtained, splits in 2 visits to mitigate dark current that builds up with time, and dithered to improve PSF sampling and to step over the bad anode. The SBC observations are deemed fully safe according to the BOT. The referenced ETC calculation assumes an UV AB magnitude of 17.3, fully safe and far brighter (abs mag -15) than any source known to be present in IZw18.

Proposal 17129 - F438W-1 (01) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F438W-1 (01), implementation								Tue Dec 13 14:00:24 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: SCHED 100%									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d) Dec: +55 14 25.00 (55.24028d) Equinox: J2000	Epoch of Position: 2015.5	V=15	Reference Frame: SIMBAD				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA] Extended=YES									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F438W		GS ACQ SCENARI O BASE1B3		2980 Secs (2559 Secs)	
									[==>2559.0 Secs]	[1]
	2		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F438W		POS TARG 0.1719,0 .1837		2980 Secs (2550 Secs)	
									[==>2550.0 Secs]	[2]
	3		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F438W		POS TARG 0.3437,0 .3674		2980 Secs (2550 Secs)	
									[==>2550.0 Secs]	[3]

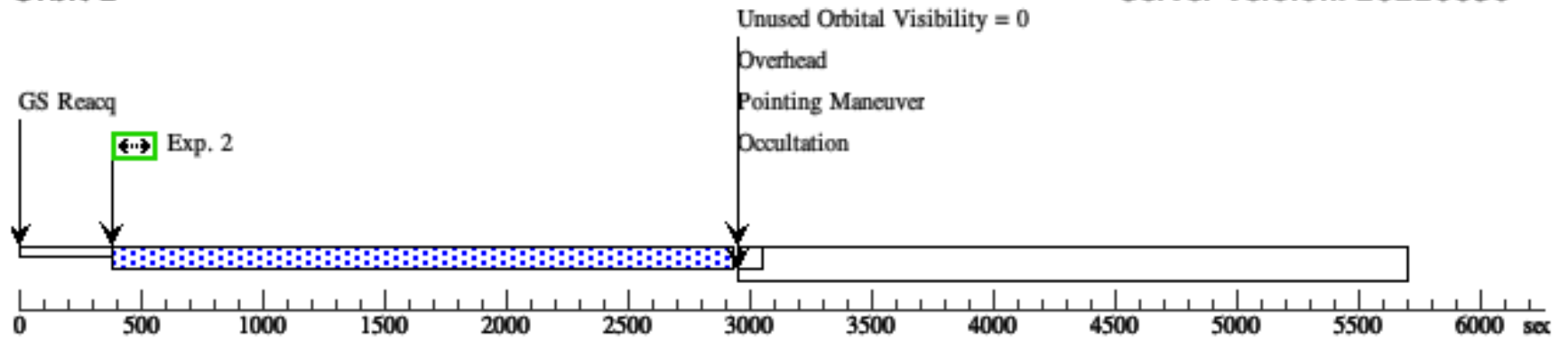
Orbit 1

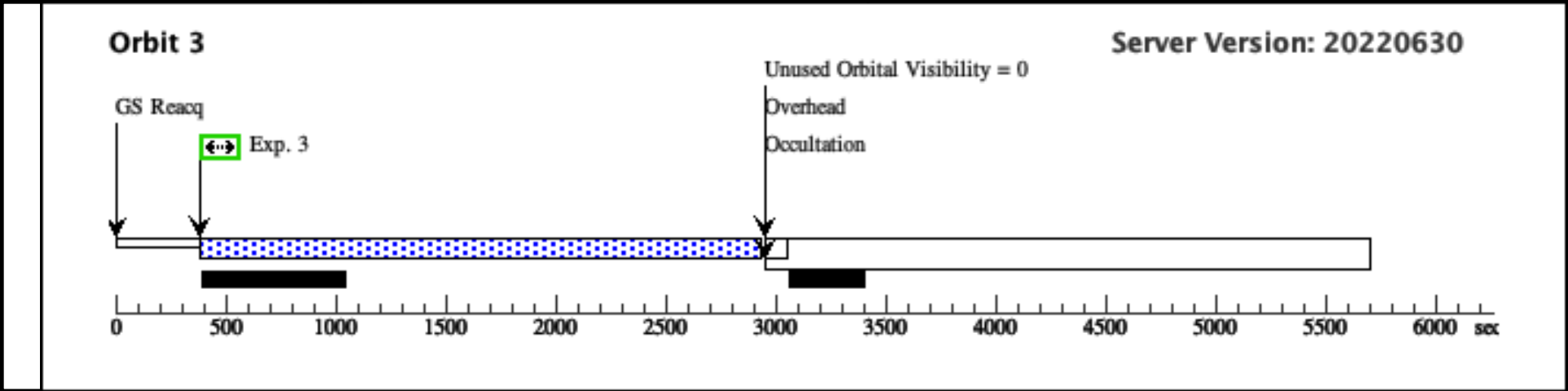
Server Version: 20220630



Orbit 2

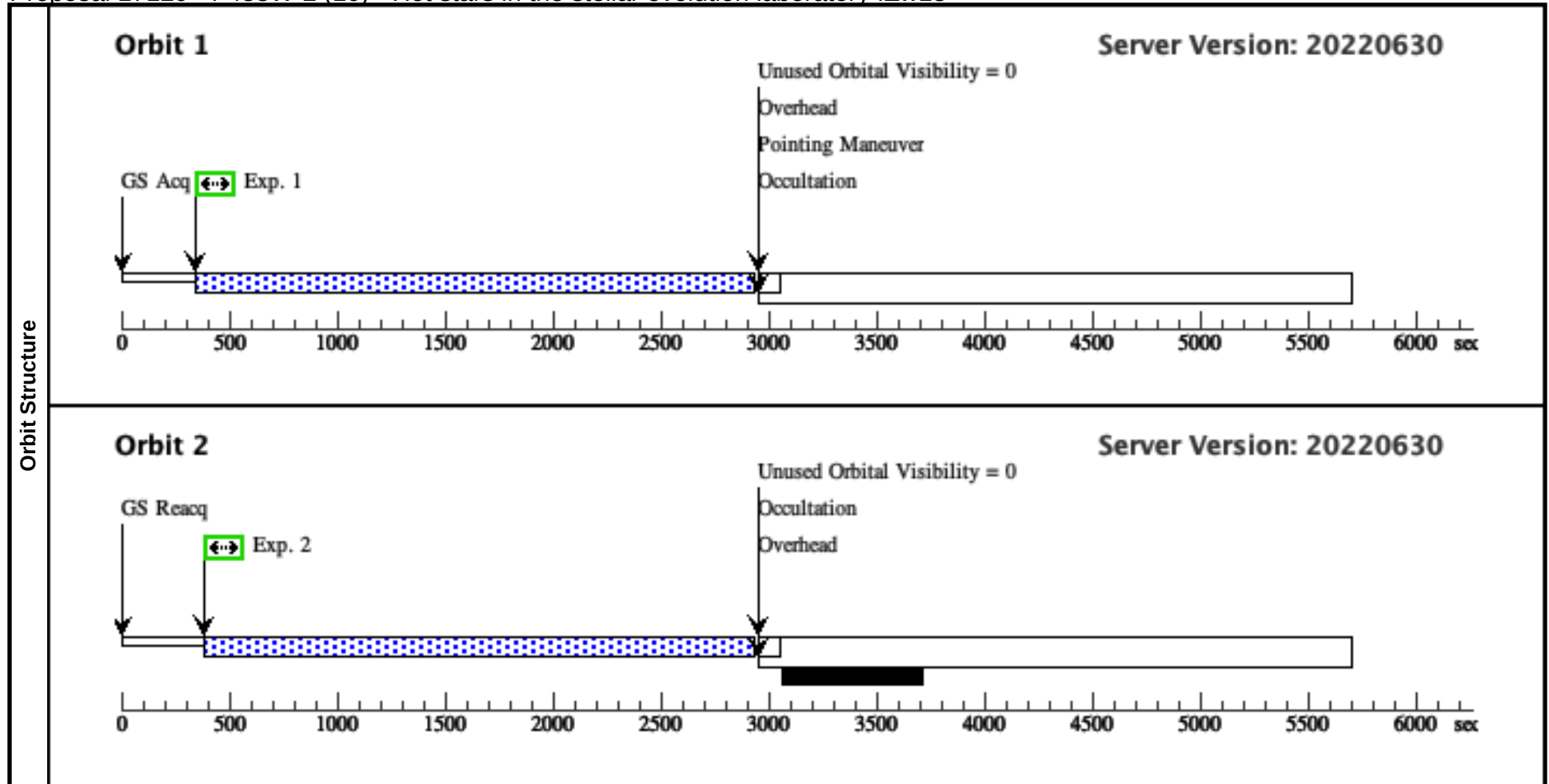
Server Version: 20220630





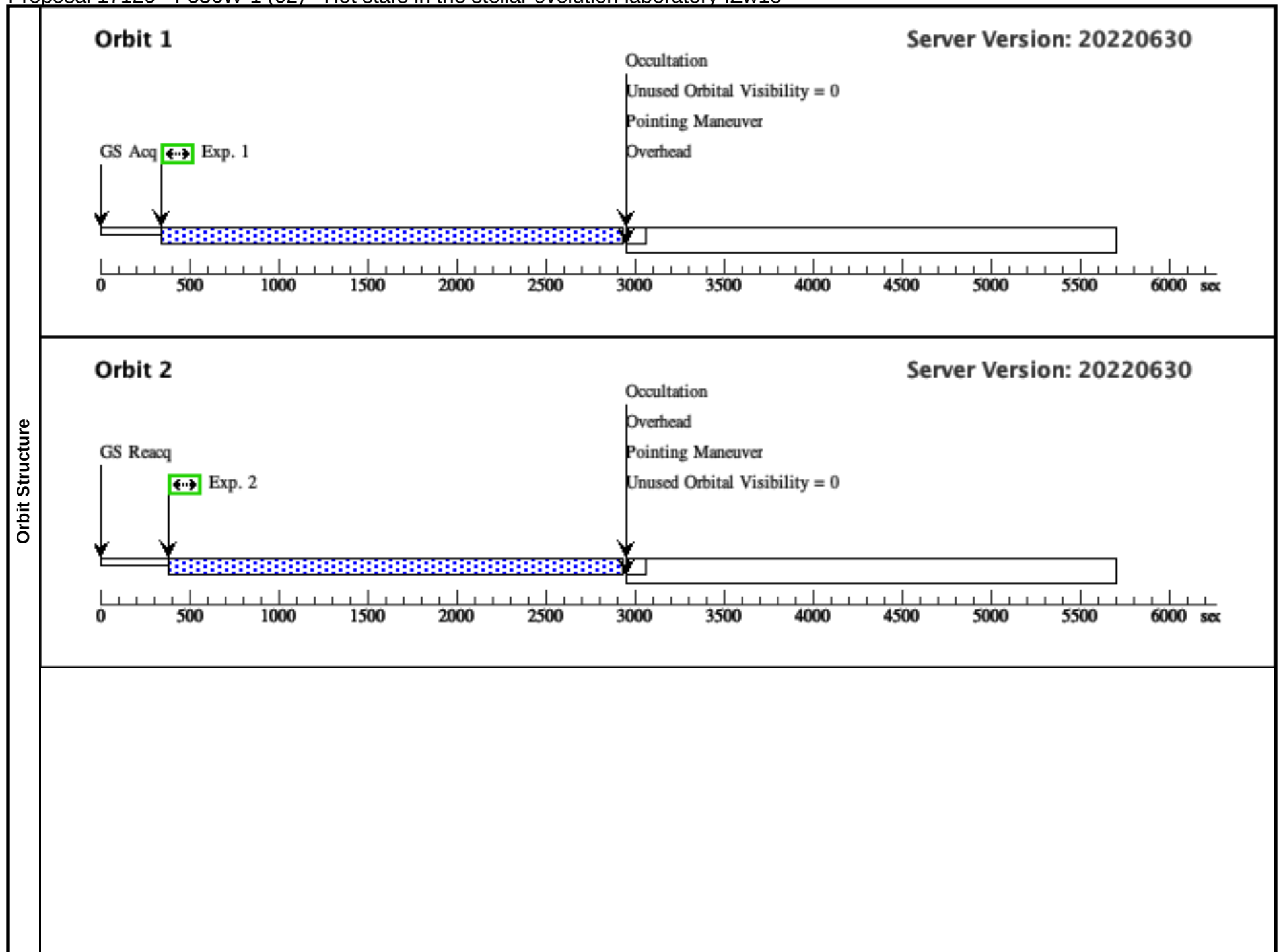
Proposal 17129 - F438W-2 (10) - Hot stars in the stellar evolution laboratory IZw18

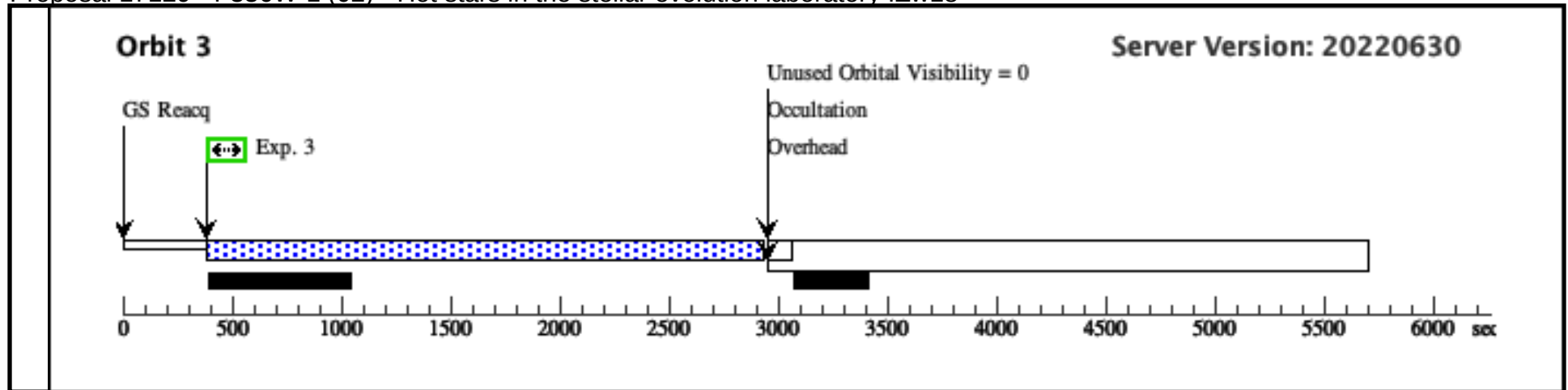
Visit	Proposal 17129, F438W-2 (10), implementation								Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: SCHED 100%; SAME ORIENT AS 01									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d) Dec: +55 14 25.00 (55.24028d) Equinox: J2000	Epoch of Position: 2015.5		V=15		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=GALAXY									
	Description=[DWARF COMPACT, EMISSION LINE NEBULA]									
Exposures	Extended=YES									
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F438W		POS TARG 0.4760,0 .5286; GS ACQ SCENARI O BASE1B3		2980 Secs (2559 Secs) [==>2559.0 Secs]	[1]
	2		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F438W		POS TARG 0.6544,0 .6796		2980 Secs (2550 Secs) [==>2550.0 Secs]	[2]



Proposal 17129 - F336W-1 (02) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F336W-1 (02), implementation										Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: SCHED 100%; SAME ORIENT AS 01											
Diagnostics	(Exposure 1 (F336W-1 (02))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (F336W-1 (02))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 3 (F336W-1 (02))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d)			Epoch of Position: 2015.5		V=15		Reference Frame: SIMBAD		
			Dec: +55 14 25.00 (55.24028d)									
			Equinox: J2000									
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY											
	Description=[DWARF COMPACT, EMISSION LINE NEBULA]											
	Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2		F336W	FLASH=6	GS ACQ SCENARI O BASE1B3		2980 Secs (2559 Secs)		
										[==>2559.0 Secs]		[1]
	2		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2		F336W	FLASH=6	POS TARG 0.1719,0 .1837		2980 Secs (2550 Secs)		
										[==>2550.0 Secs]		[2]
	3		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2		F336W	FLASH=6	POS TARG 0.3437,0 .3674		2980 Secs (2550 Secs)		
									[==>2550.0 Secs]		[3]	



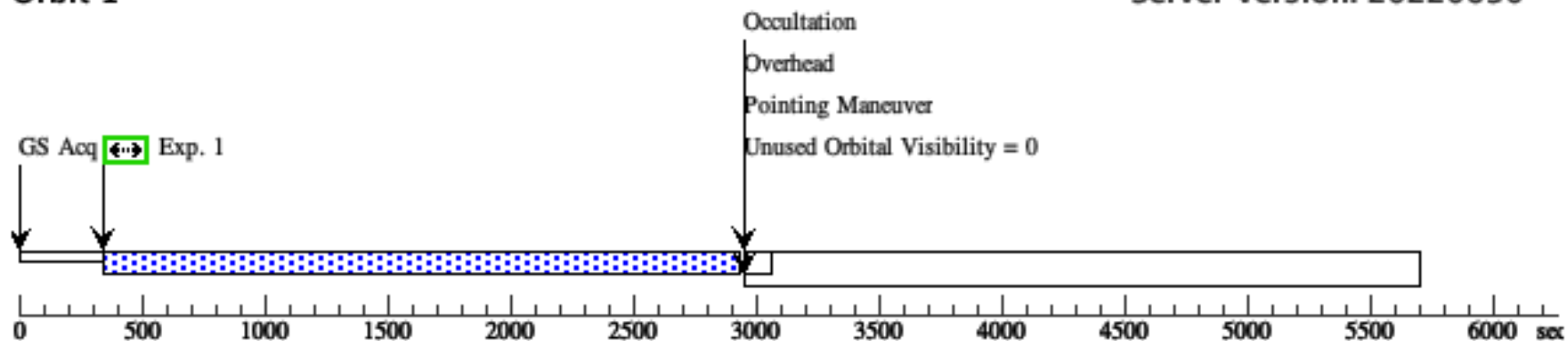


Proposal 17129 - F336W-2 (11) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F336W-2 (11), implementation										Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: SCHED 100%; SAME ORIENT AS 02											
Diagnostics	(Exposure 1 (F336W-2 (11))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (F336W-2 (11))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d) Dec: +55 14 25.00 (55.24028d) Equinox: J2000	Epoch of Position: 2015.5	V=15	Reference Frame: SIMBAD						
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F336W	FLASH=6	POS TARG 0.4760,0 .5286; GS ACQ SCENARI O BASE1B3		2980 Secs (2559 Secs) [==>2559.0 Secs]			
											[1]	
	2		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F336W	FLASH=6	POS TARG 0.6544,0 .6796		2980 Secs (2550 Secs) [==>2550.0 Secs]			
											[2]	

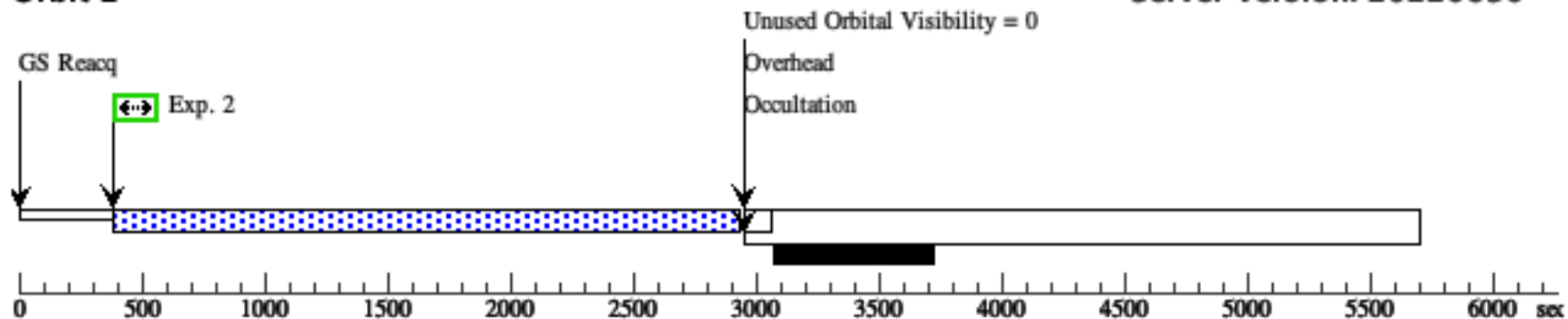
Orbit 1

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Orbit 2

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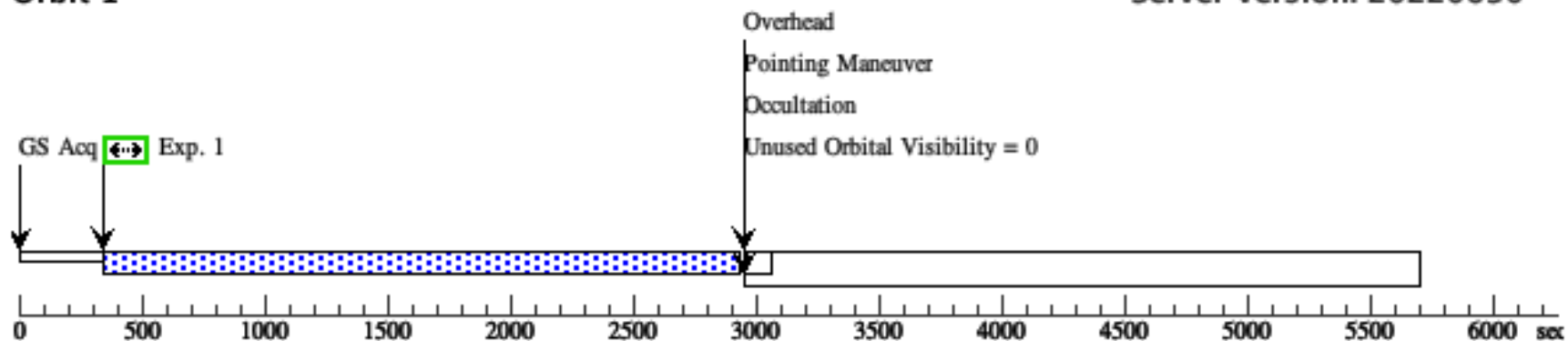


Proposal 17129 - F225W-1 (03) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F225W-1 (03), implementation										Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: SCHED 100%; SAME ORIENT AS 01											
Diagnostics	(Exposure 1 (F225W-1 (03))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (F225W-1 (03))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 3 (F225W-1 (03))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d)		Epoch of Position: 2015.5		V=15		Reference Frame: SIMBAD			
			Dec: +55 14 25.00 (55.24028d)									
			Equinox: J2000									
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY											
	Description=[DWARF COMPACT, EMISSION LINE NEBULA]											
	Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F225W	FLASH=9	GS ACQ SCENARI O BASE1B3		2980 Secs (2559 Secs)			
									[==>2559.0 Secs]		[1]	
	2		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F225W	FLASH=9	POS TARG 0.1719,0 .1837		2980 Secs (2550 Secs)			
									[==>2550.0 Secs]		[2]	
	3		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F225W	FLASH=9	POS TARG 0.3437,0 .3674		2980 Secs (2550 Secs)			
								[==>2550.0 Secs]		[3]		

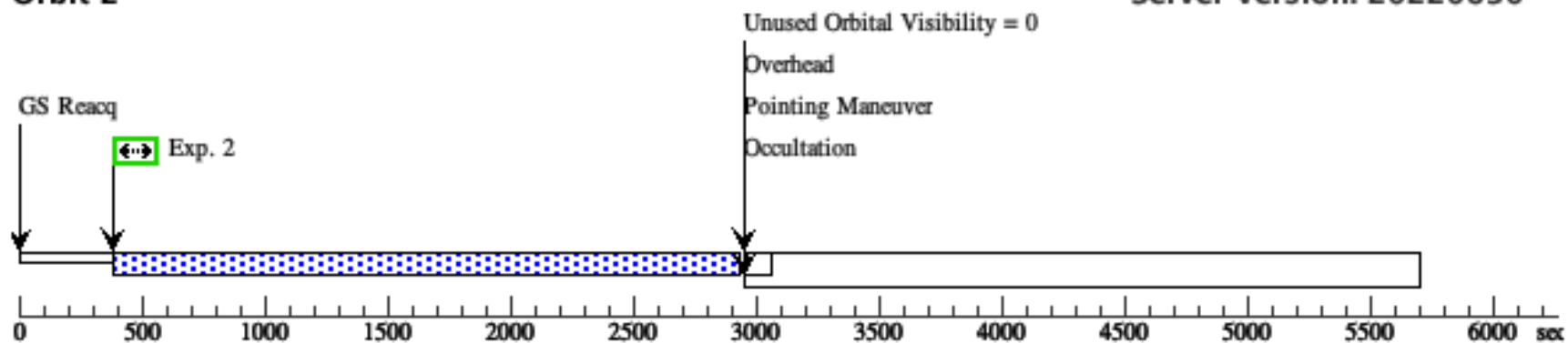
Orbit 1

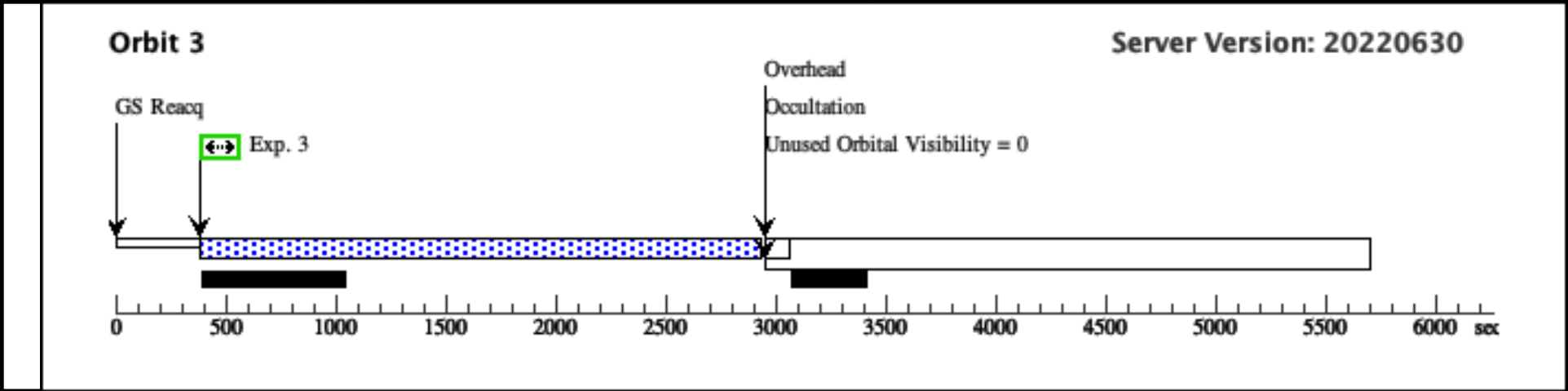
Server Version: 20220630



Orbit 2

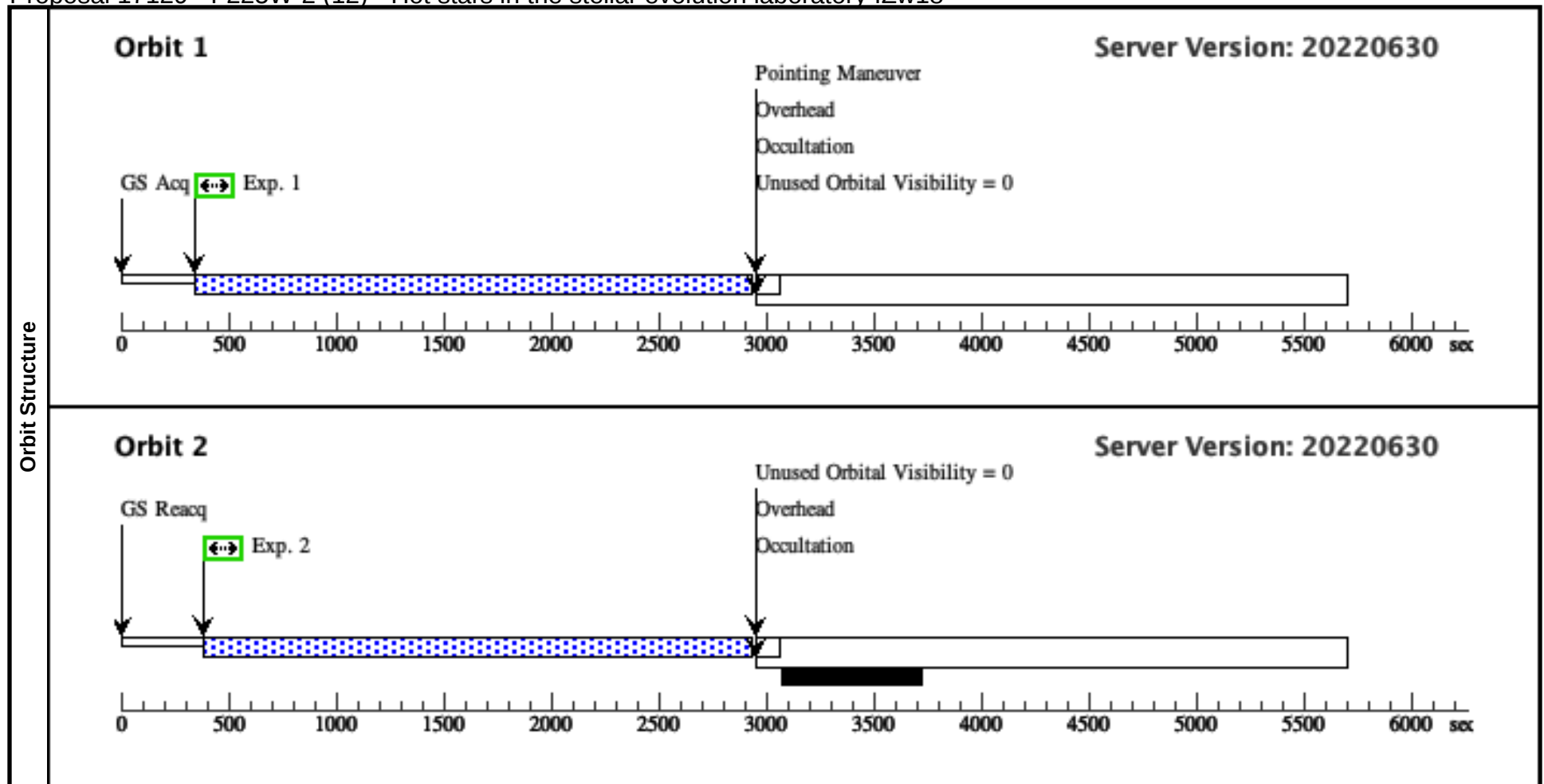
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Proposal 17129 - F225W-2 (12) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F225W-2 (12), implementation										Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: SCHED 100%; SAME ORIENT AS 03											
Diagnostics	(Exposure 1 (F225W-2 (12))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (F225W-2 (12))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d)		Epoch of Position: 2015.5		V=15		Reference Frame: SIMBAD			
			Dec: +55 14 25.00 (55.24028d)									
			Equinox: J2000									
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY											
	Description=[DWARF COMPACT, EMISSION LINE NEBULA]											
	Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F225W	FLASH=9	POS TARG 0.4760,0 .5286;		2980 Secs (2559 Secs)			
							GS ACQ SCENARI O BASE1B3		[==>2559.0 Secs]		[1]	
	2		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F225W	FLASH=9	POS TARG 0.6544,0 .6796		2980 Secs (2550 Secs)			
									[==>2550.0 Secs]		[2]	

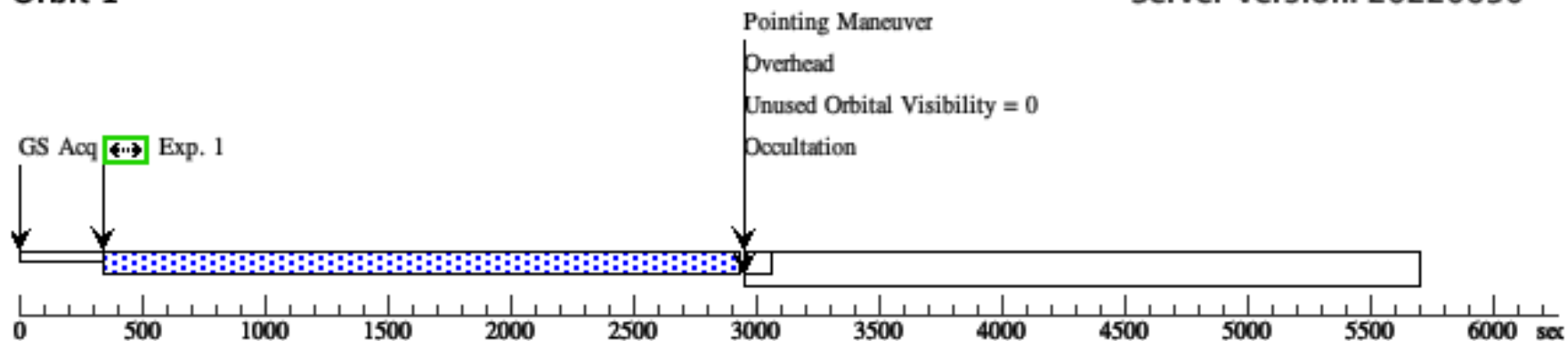


Proposal 17129 - F469N-1 (04) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F469N-1 (04), implementation								Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: SCHED 100%; SAME ORIENT AS 01									
Diagnostics	(Exposure 1 (F469N-1 (04))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Exposure 2 (F469N-1 (04))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(Exposure 3 (F469N-1 (04))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d) Dec: +55 14 25.00 (55.24028d) Equinox: J2000	Epoch of Position: 2015.5	V=15	Reference Frame: SIMBAD				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA] Extended=YES									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F469N	FLASH=10	GS ACQ SCENARI O BASE1B3		2980 Secs (2559 Secs)	
									[==>2559.0 Secs]	[1]
	2		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F469N	FLASH=10	POS TARG 0.0927,0 .3376		2980 Secs (2550 Secs)	
									[==>2550.0 Secs]	[2]
	3		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F469N	FLASH=10	POS TARG 0.1851,0 .1978		2980 Secs (2550 Secs)	
									[==>2550.0 Secs]	[3]

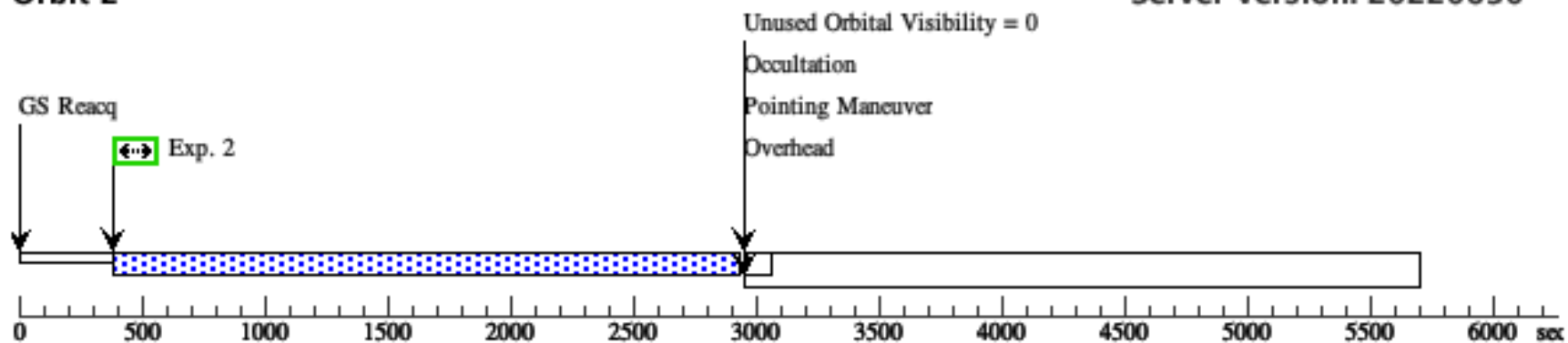
Orbit 1

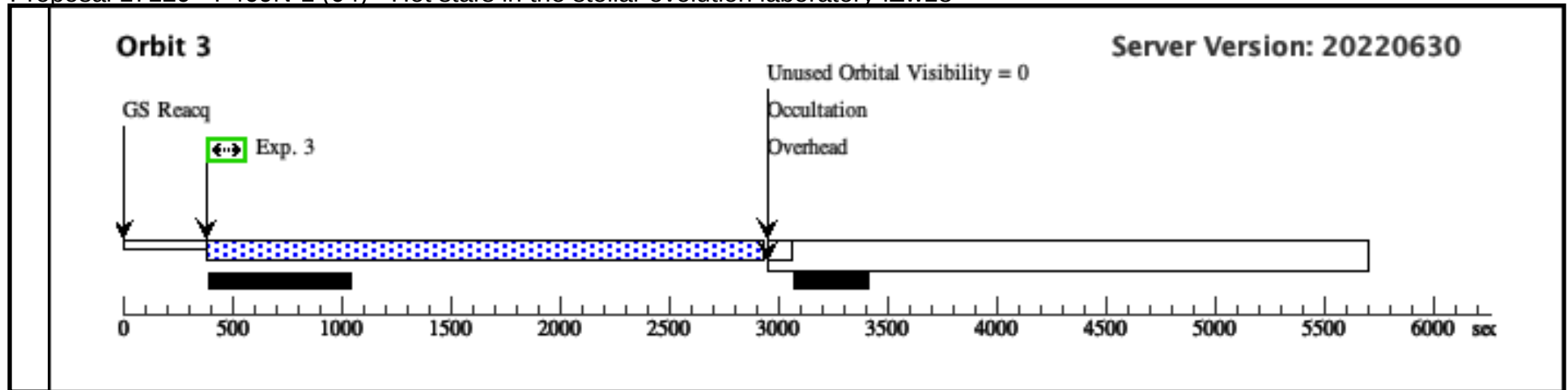
Server Version: 20220630



Orbit 2

Server Version: 20220630



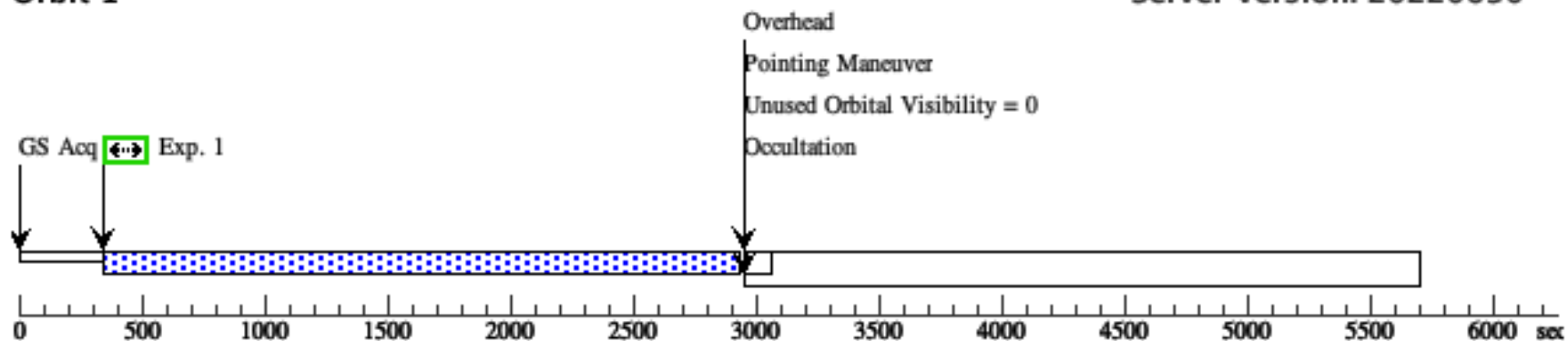


Proposal 17129 - F469N-2 (13) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F469N-2 (13), implementation										Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: SCHED 100%; SAME ORIENT AS 04											
Diagnostics	(Exposure 1 (F469N-2 (13))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (F469N-2 (13))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 3 (F469N-2 (13))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d) Dec: +55 14 25.00 (55.24028d) Equinox: J2000			Epoch of Position: 2015.5		V=15		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2		F469N	FLASH=10	POS TARG 0.2381,0 .5063; GS ACQ SCENARI O BASE1B3		2980 Secs (2559 Secs) [>=>2559.0 Secs]		[1]
	2		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2		F469N	FLASH=10	POS TARG 0.3305,0 .3665		2980 Secs (2550 Secs) [>=>2550.0 Secs]		[2]
	3		(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2		F469N	FLASH=10	POS TARG 0.4232,0 .6644		2980 Secs (2550 Secs) [>=>2550.0 Secs]		[3]

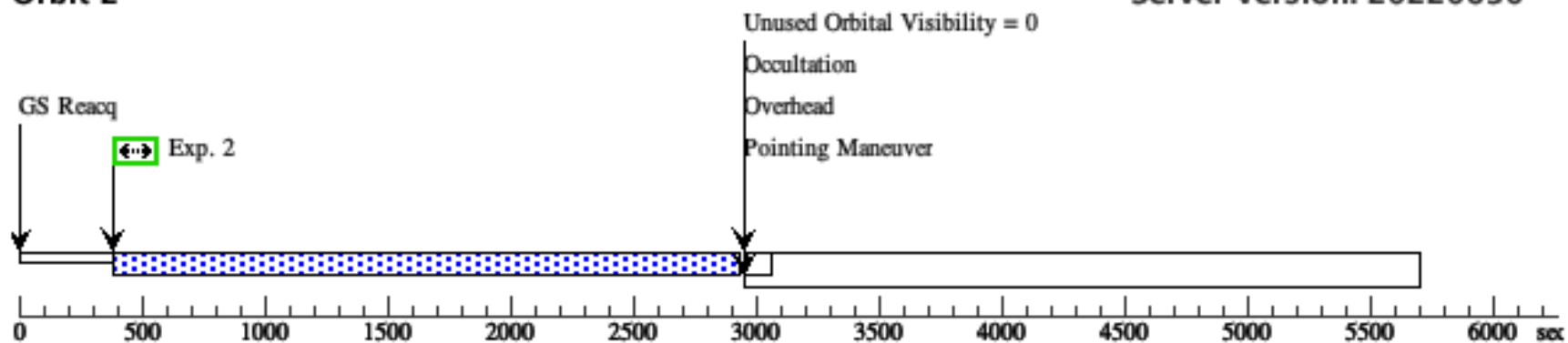
Orbit 1

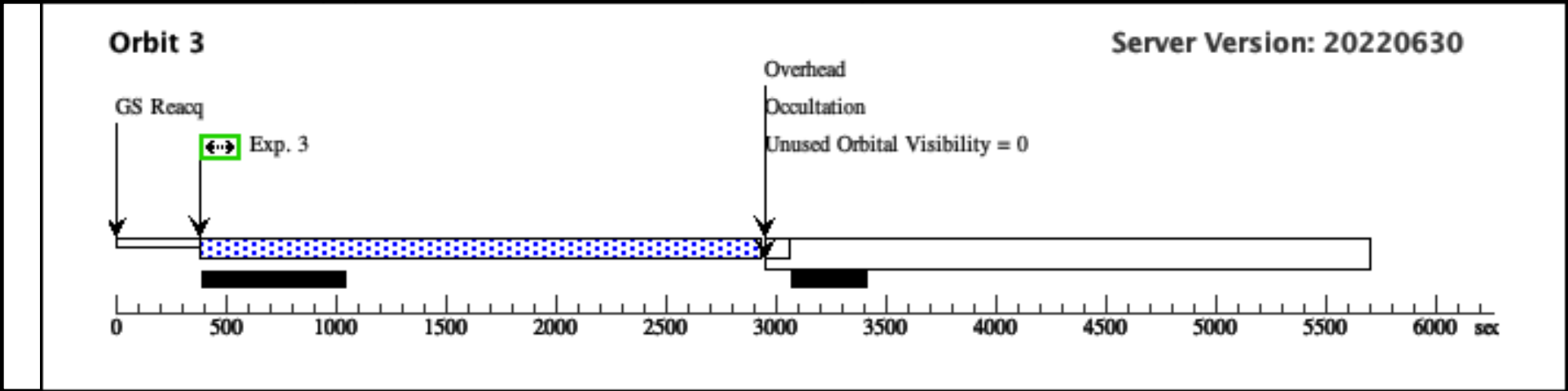
Server Version: 20220630



Orbit 2

Server Version: 20220630



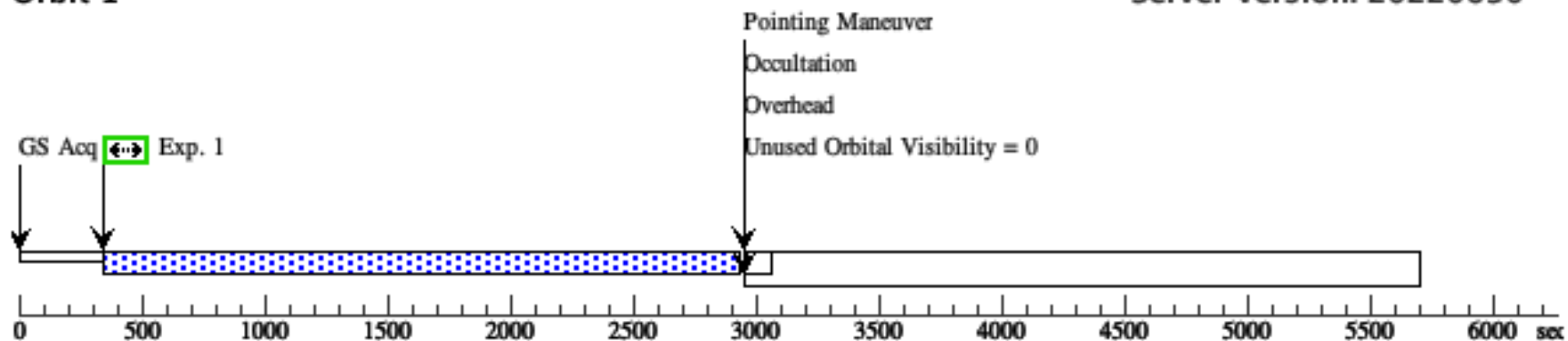


Proposal 17129 - F469N-3 (05) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F469N-3 (05), implementation										Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: SCHED 100%; SAME ORIENT AS 04											
Diagnostics	(Exposure 1 (F469N-3 (05))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 2 (F469N-3 (05))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
	(Exposure 3 (F469N-3 (05))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	MRK-116-COPY	RA: 09 34 2.1000 (143.5087500d) Dec: +55 14 25.00 (55.24028d) Equinox: J2000			Epoch of Position: 2015.5		V=15		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F469N		FLASH=10	POS TARG 0.4760,0.5352; GS ACQ SCENARI O BASE1B3			2980 Secs (2559 Secs) [>=>2559.0 Secs]		[1]
	2	(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F469N		FLASH=10	POS TARG 0.5687,0.8331			2980 Secs (2550 Secs) [>=>2550.0 Secs]		[2]
	3	(2) MRK-116-COPY	WFC3/UVIS, ACCUM, UVIS2	F469N		FLASH=10	POS TARG 0.661,0.3591			2980 Secs (2550 Secs) [>=>2550.0 Secs]		[3]

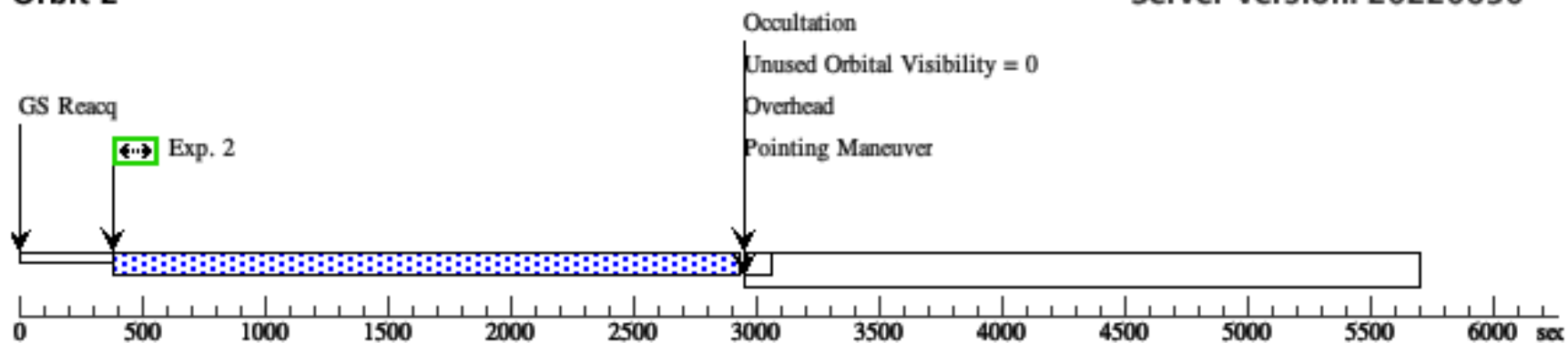
Orbit 1

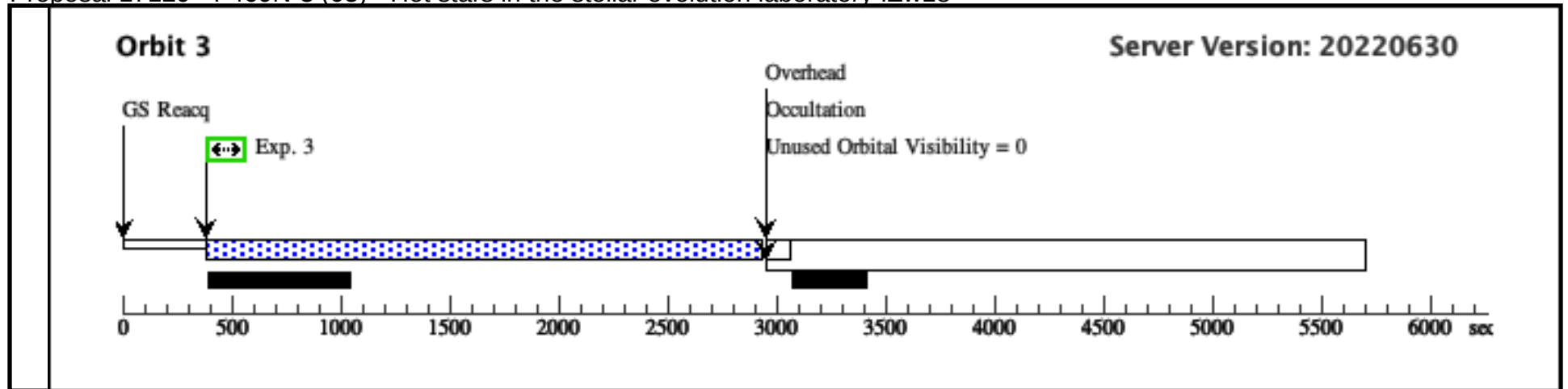
Server Version: 20220630



Orbit 2

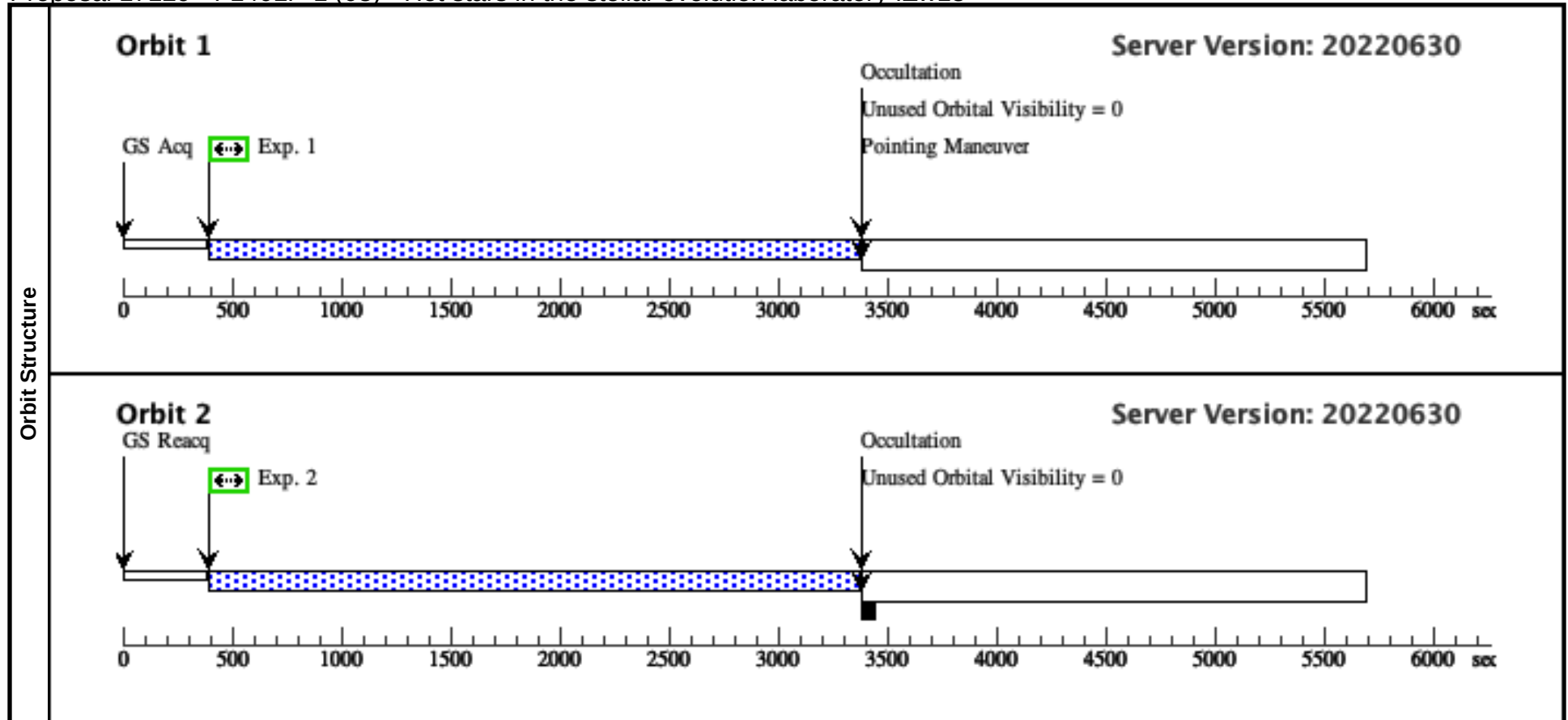
Server Version: 20220630





Proposal 17129 - F140LP-1 (08) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F140LP-1 (08), completed								Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/SBC									
	Special Requirements: (none)									
Comments: Note to the schedulers that the preceeding few orbits (by another program) should not have used the SBC and the SBC high voltage should have been turned off, so that the current observations start with the SBC cold.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	MRK-116	RA: 09 34 2.1000 (143.5087500d) Dec: +55 14 25.00 (55.24028d) Equinox: J2000	Epoch of Position: 2015.5	V=15	Reference Frame: SIMBAD				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA] Extended=YES									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1810363)	(1) MRK-116	ACS/SBC, ACCUM, SBC	F140LP		GS ACQ SCENARI O BASE1BE		2915 Secs (2915 Secs)	
									[=>]	[1]
	2	(1810363)	(1) MRK-116	ACS/SBC, ACCUM, SBC	F140LP		POS TARG 0.168,0. 062		2957 Secs (2957 Secs)	
									[=>]	[2]



Proposal 17129 - F140LP-2 (09) - Hot stars in the stellar evolution laboratory IZw18

Visit	Proposal 17129, F140LP-2 (09), completed								Tue Dec 13 14:00:25 GMT 2022	
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: SAME ORIENT AS 08 Comments: Note to the schedulers that the preceeding few orbits (by another program) should not have used the SBC and the SBC high voltage should have been turned off, so that the current observations start with the SBC cold.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	MRK-116	RA: 09 34 2.1000 (143.5087500d) Dec: +55 14 25.00 (55.24028d) Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA] Extended=YES	Epoch of Position: 2015.5	V=15	Reference Frame: SIMBAD				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1810363)	(1) MRK-116	ACS/SBC, ACCUM, SBC	F140LP		POS TARG 0.084,0.143		2925 Secs (2925 Secs)	
									[==>]	[1]
	2	(1810363)	(1) MRK-116	ACS/SBC, ACCUM, SBC	F140LP		POS TARG -0.084,0.082		2957 Secs (2957 Secs)	
									[==>]	[2]

