



15093 - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Cycle: 25, 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	(1) UGC-9240.A (7) UGC9240-ACQ	STIS/CCD STIS/FUV-MAMA	2	12-Dec-2018 11:00:18.0	yes
02	(1) UGC-9240.A (7) UGC9240-ACQ	STIS/CCD	1	12-Dec-2018 11:00:19.0	yes
03	(5) UGC-9240.B (7) UGC9240-ACQ	STIS/CCD STIS/FUV-MAMA	2	12-Dec-2018 11:00:21.0	yes
04	(5) UGC-9240.B (7) UGC9240-ACQ	STIS/CCD	1	12-Dec-2018 11:00:22.0	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>
05	(2) NGC-3741 (10) NGC3741-ACQ	STIS/CCD STIS/FUV-MAMA	2	12-Dec-2018 11:00:23.0	yes
06	(2) NGC-3741 (10) NGC3741-ACQ	STIS/CCD	1	12-Dec-2018 11:00:24.0	yes
07	(4) UGC-8833 (9) UGC8833-ACQ	STIS/CCD STIS/FUV-MAMA	2	12-Dec-2018 11:00:26.0	yes
08	(4) UGC-8833 (9) UGC8833-ACQ	STIS/CCD	1	12-Dec-2018 11:00:27.0	yes
09	(3) NGC-4163.A (8) NGC4163-ACQ	STIS/CCD STIS/FUV-MAMA	2	12-Dec-2018 11:00:28.0	yes
10	(3) NGC-4163.A (8) NGC4163-ACQ	STIS/CCD	1	12-Dec-2018 11:00:29.0	yes
11	(6) NGC-4163.B (8) NGC4163-ACQ	STIS/CCD STIS/FUV-MAMA	2	12-Dec-2018 11:00:31.0	yes
12	(6) NGC-4163.B (8) NGC4163-ACQ	STIS/CCD	1	12-Dec-2018 11:00:32.0	yes

18 Total Orbits Used

ABSTRACT

Dwarf galaxies are sensitive laboratories for testing theories of star formation and for investigating possible variations of the stellar Initial Mass Function (IMF). Establishing whether the IMF, in particular the upper end of the IMF (uIMF), is invariant or dependent upon the conditions of star formation is key for interpreting the vast majority of observations on galaxy evolution, and for understanding cosmic reionization. Low-metallicity dwarf galaxies are fairly isolated systems that are ideal locales to test the uIMF. We propose to obtain STIS UV/optical spectroscopy of 8 H-alpha bright stellar clusters in 4 dwarf galaxies within 3 Mpc to accurately determine their ages, masses, extinction, metallicity, and stellar content. We will use state of the art stellar synthesis models that include massive star specific evolutionary tracks, massive star rotation, and stochasticity to test whether dwarf galaxies really do have a top-light IMF. The success of this project relies on the spectroscopic UV capability of HST/STIS to isolate young compact star clusters and break the degeneracies between reddening and age.

OBSERVING DESCRIPTION

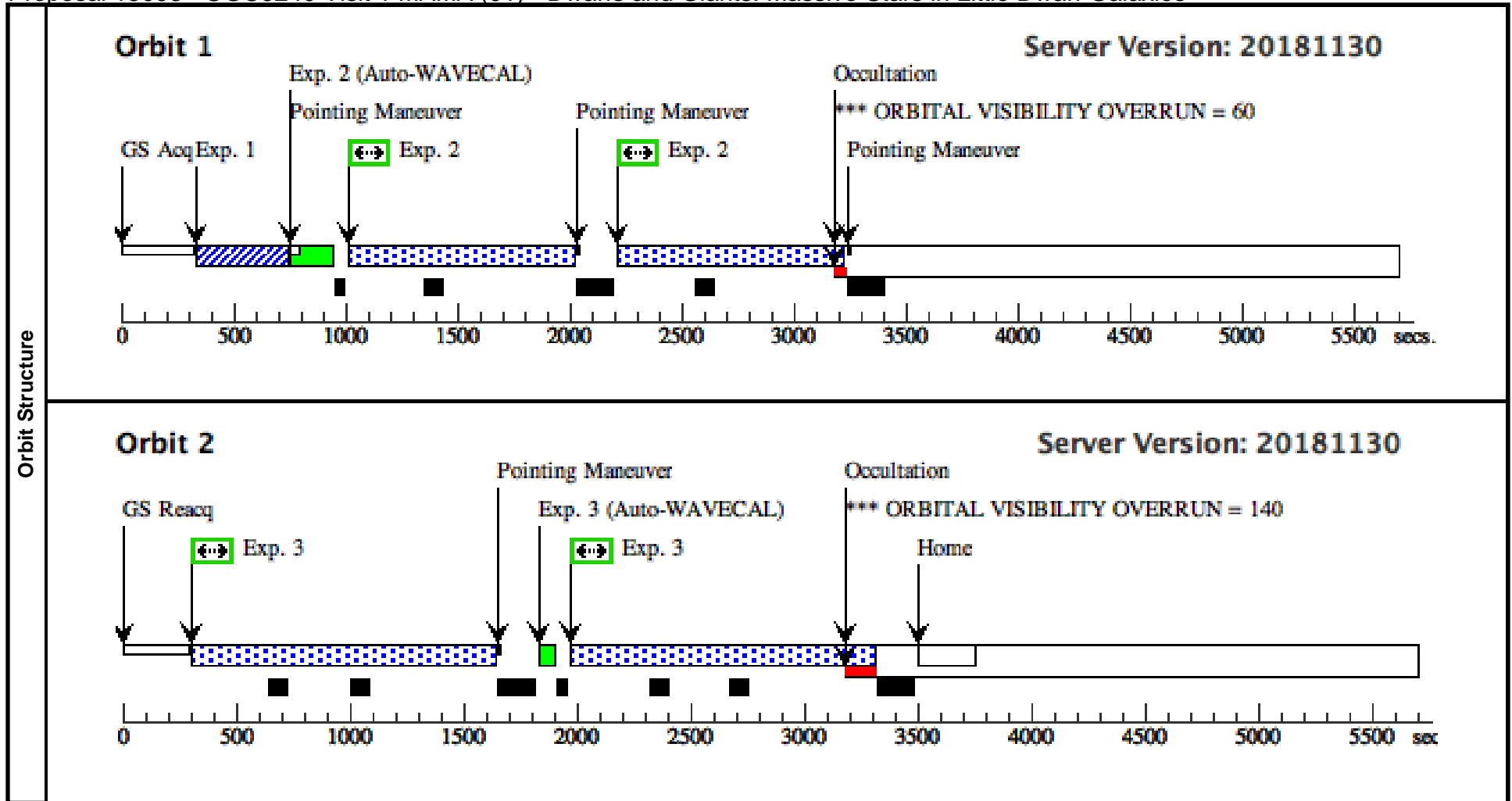
We plan first-order longslit observations of each cluster with the STIS/G140L grating and MAMA detector as well as the CCD G430M and G750M gratings. In order to mitigate hot pixels and reduce cosmic rays we will dither along the slit between each exposure, instead of implementing a CR-SPLIT. The dithering will be done with shifts of roughly 0.5" per exposure. We use a gain of 1 to reduce read noise, and 1x1 binning to decrease the effects of cosmic rays even at the expense of longer readout times.

We have put the G140L observation into two orbits, and the G430M and G750M observations together into one. Target acquisition is done using a nearby star and the appropriate offset to the correct slit position. Because we are using a 0.2" slit-width, no peak-up time is needed. For the optical observations we are implementing the 52x0.2E1 slit to reduce CTE effects. The ORIENTS have been chosen to maximize the science by including as many H α regions as possible along the slit. The primary cluster/star of interest is indicated by the Fixed Target list.

Proposal 15093 - UGC9240 Visit 1 MAMA (01) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Wed Dec 12 16:00:33 GMT 2018

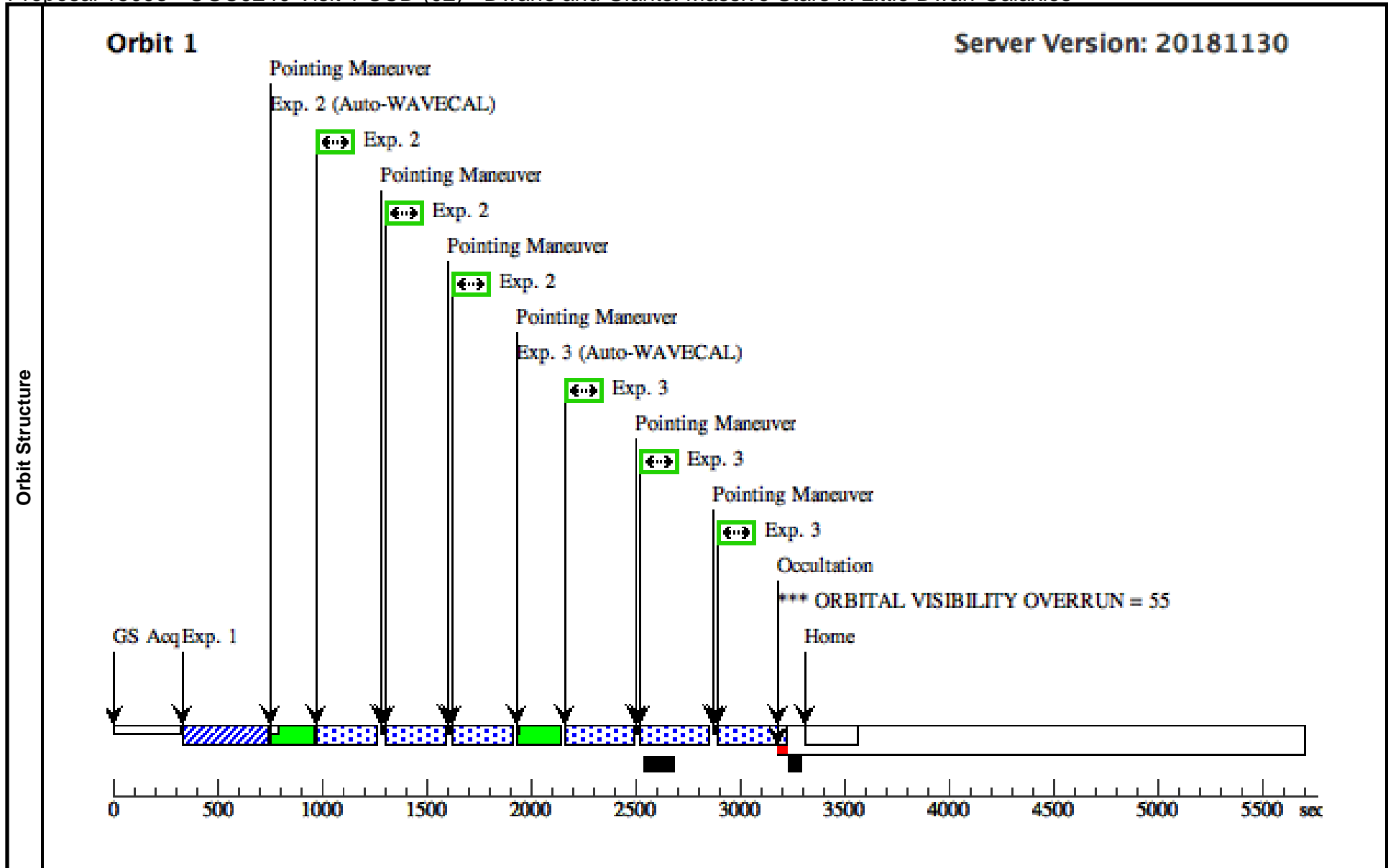
Visit	Proposal 15093, UGC9240 Visit 1 MAMA (01), completed Diagnostic Status: Warning Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: SCHED 40%; ORIENT 140.65D TO 141.05 D; ORIENT 320.65D TO 321.05 D; ORIENT 145.7D TO 145.7 D; ORIENT 325.7D TO 325.7 D										
	(UGC9240 Visit 1 MAMA (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (UGC9240 Visit 1 MAMA (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=.5 Center Pattern=false Line Spacing=								(2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	UGC-9240.A	Offset from UGC9240-ACQ RA Offset: -5.828870000000279 Secs Dec Offset: -20.335300000056122 Arcsec				V=13.17		Offset Position (UGC-9240.A)		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION, YOUNG ASSOCIATION]										
(7)	UGC9240-ACQ	RA: 14 24 50.1800 (216.2090833d) Dec: +44 31 16.80 (44.52133d) Equinox: J2000				V=21.4 u=25.28, i=18.40		Reference Frame: ICRS			
Comments: Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	Target Acquisition (STIS.ta.1174993)	(7) UGC9240-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			45 Secs (45 Secs)		
										[=>]	[1]
	2	UV1 (STIS.sp.1051203)	(1) UGC-9240.A	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=35 0			Pattern 2, Exps 2-2 in UGC9240 Visit 1 MAMA (01) (2)	950 Secs (1998 Secs)	
									[=>999.0 Secs (Pattern 1)]	[1]	
									[=>999.0 Secs (Pattern 2)]		
3	UV2 (STIS.sp.1051211)	(1) UGC-9240.A	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=35 0			Pattern 2, Exps 3-3 in UGC9240 Visit 1 MAMA (01) (2)	1250 Secs (2646 Secs)		
									[=>1323.0 Secs (Pattern 1)]	[2]	
									[=>1323.0 Secs (Pattern 2)]		



Proposal 15093 - UGC9240 Visit 1 CCD (02) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

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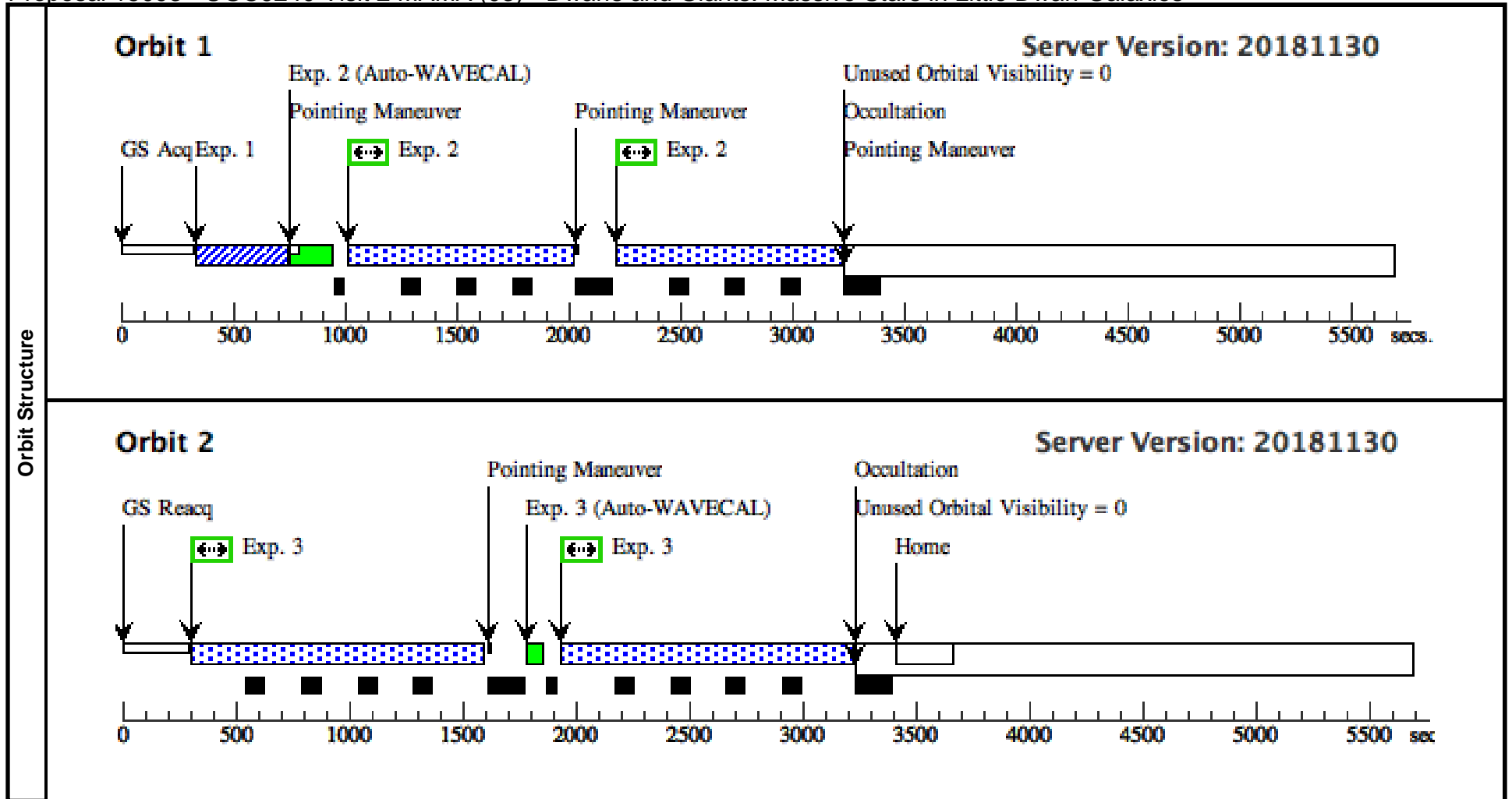
Visit	Proposal 15093, UGC9240 Visit 1 CCD (02), completed Diagnostic Status: Warning Scientific Instruments: STIS/CCD Special Requirements: SCHED 40%; ORIENT 140.65D TO 141.05 D; ORIENT 320.65D TO 321.05 D; ORIENT 145.7D TO 145.7 D; ORIENT 325.7D TO 325.7 D										
	(UGC9240 Visit 1 CCD (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 Point Spacing=.5 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false						(2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	UGC-9240.A	Offset from UGC9240-ACQ RA Offset: -5.828870000000279 Secs Dec Offset: -20.335300000056122 Arcsec				V=13.17		Offset Position (UGC-9240.A)		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION, YOUNG ASSOCIATION]										
(7)	UGC9240-ACQ	RA: 14 24 50.1800 (216.2090833d) Dec: +44 31 16.80 (44.52133d) Equinox: J2000				V=21.4 u=25.28, i=18.40		Reference Frame: ICRS			
Comments: Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	Target Acquisition	(7) UGC9240-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			45 Secs (45 Secs)		
											[1]
	2	Red (STIS.sp.10 09953)	(1) UGC-9240.A	STIS/CCD, ACCUM, 52X0.2E1	G750M 6768 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1		Pattern 1, Exps 2-2 in UGC9240 Visit 1 CCD (02) (1)	400 Secs (765 Secs)		
										[1]	
3	Blue (STIS.sp.10 09949)	(1) UGC-9240.A	STIS/CCD, ACCUM, 52X0.2E1	G430M 4706 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1		Pattern 1, Exps 3-3 in UGC9240 Visit 1 CCD (02) (1)	400 Secs (885 Secs)			
										[1]	



Proposal 15093 - UGC9240 Visit 2 MAMA (03) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

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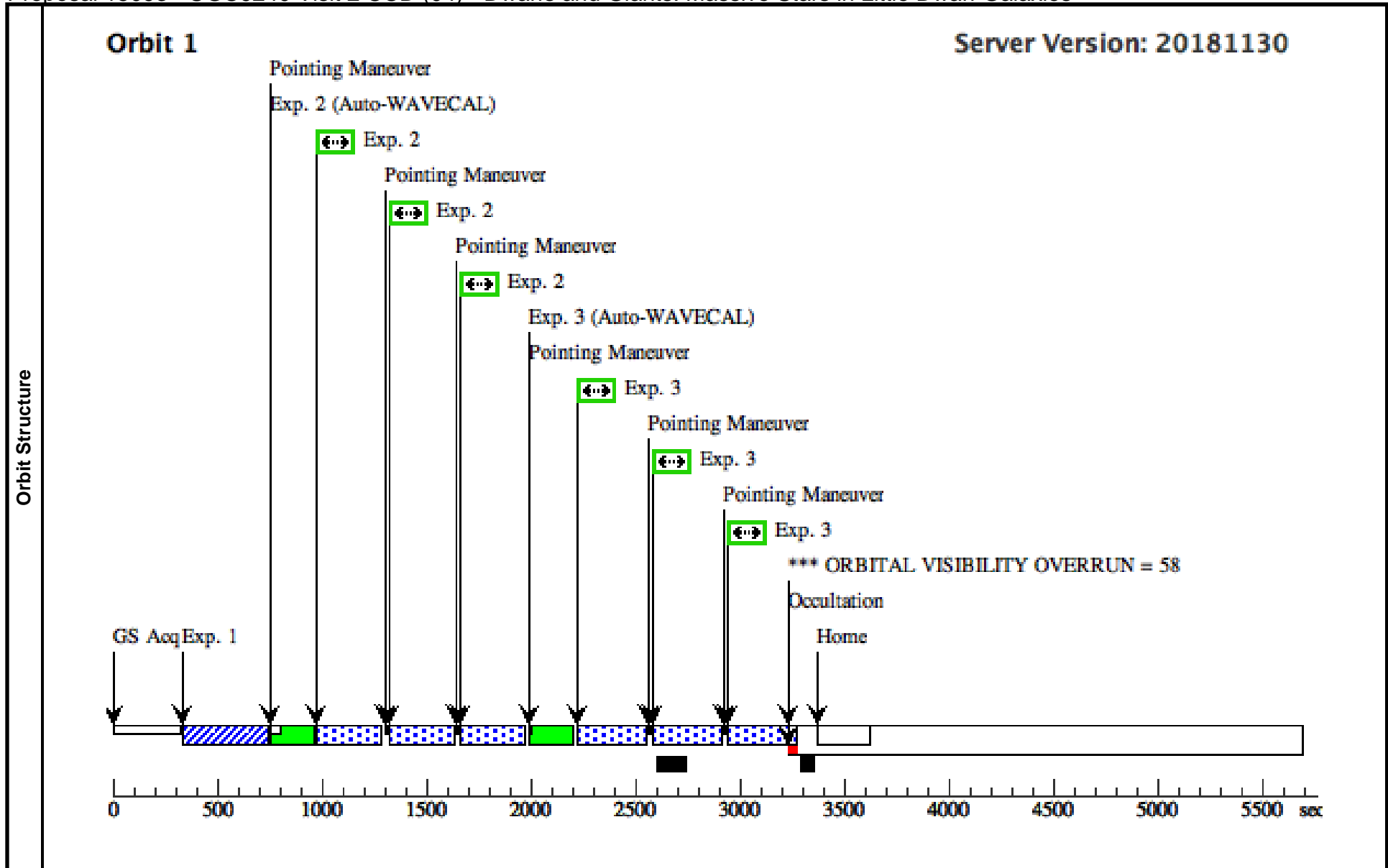
Visit	Proposal 15093, UGC9240 Visit 2 MAMA (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: ORIENT 338.5D TO 348.1 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG						(2), (3)
		Purpose=DITHER	Pattern Orientation=90.0							
		Number Of Points=2	Angle Between Sides=							
		Point Spacing=.5	Center Pattern=false							
		Line Spacing=								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	UGC-9240.B	RA: 14 24 42.9690 (216.1790375d) Dec: +44 31 42.58 (44.52849d) Equinox: J2000		V=13.17	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION, YOUNG ASSOCIATION]									
	(7)	UGC9240-ACQ	RA: 14 24 50.1800 (216.2090833d) Dec: +44 31 16.80 (44.52133d) Equinox: J2000		V=21.4 u=25.28, i=18.40	Reference Frame: ICRS				
	<i>Comments:</i> Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acquisition	(7) UGC9240-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		45 Secs (45 Secs) [==>]	[1]
	2	UV1 (STIS.sp.10 09948)	(5) UGC-9240.B	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=24 6		Pattern 2, Exps 2-2 in UGC9240 Visit 2 MAMA (03) (2)	950 Secs (1992 Secs) [==>996.0 Secs (Pattern 1)] [==>996.0 Secs (Pattern 2)]	[1]
	3	UV2 (STIS.sp.10 51211)	(5) UGC-9240.B	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=24 6		Pattern 2, Exps 3-3 in UGC9240 Visit 2 MAMA (03) (2)	1250 Secs (2560 Secs) [==>1280.0 Secs (Pattern 1)] [==>1280.0 Secs (Pattern 2)]	[2]



Proposal 15093 - UGC9240 Visit 2 CCD (04) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Wed Dec 12 16:00:33 GMT 2018

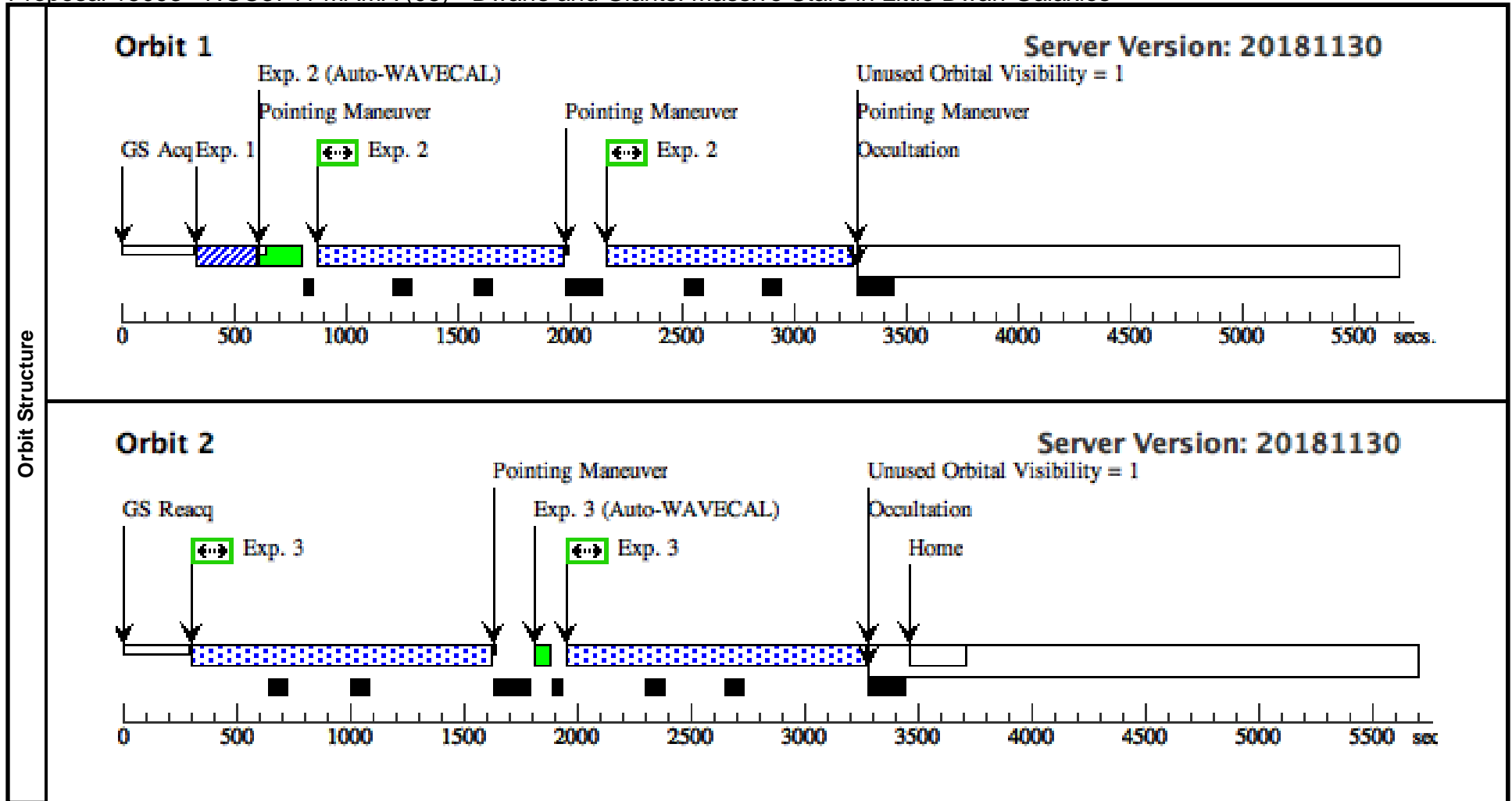
Visit	Proposal 15093, UGC9240 Visit 2 CCD (04), completed Diagnostic Status: Warning Scientific Instruments: STIS/CCD Special Requirements: ORIENT 338.5D TO 348.1 D										
	(UGC9240 Visit 2 CCD (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=3 Angle Between Sides= Point Spacing=.5 Center Pattern=false Line Spacing=								(2), (3)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(5)	UGC-9240.B		RA: 14 24 42.9690 (216.1790375d) Dec: +44 31 42.58 (44.52849d) Equinox: J2000				V=13.17		Reference Frame: ICRS	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION, YOUNG ASSOCIATION]										
(7)	UGC9240-ACQ		RA: 14 24 50.1800 (216.2090833d) Dec: +44 31 16.80 (44.52133d) Equinox: J2000				V=21.4 u=25.28, i=18.40		Reference Frame: ICRS		
Comments: Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	Target Acquisition	(7) UGC9240-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			45 Secs (45 Secs)		
											[1]
	2	Red (STIS.sp.10 09953)	(5) UGC-9240.B	STIS/CCD, ACCUM, 52X0.2E1	G750M 6768 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1			Pattern 1, Exps 2-2 in UGC9240 Visit 2 CCD (04) (1)	400 Secs (825 Secs)	
										[1]	
3	Blue (STIS.sp.10 09949)	(5) UGC-9240.B	STIS/CCD, ACCUM, 52X0.2E1	G430M 4706 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1			Pattern 1, Exps 3-3 in UGC9240 Visit 2 CCD (04) (1)	400 Secs (882 Secs)		
										[1]	



Proposal 15093 - NGC3741 MAMA (05) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Wed Dec 12 16:00:33 GMT 2018

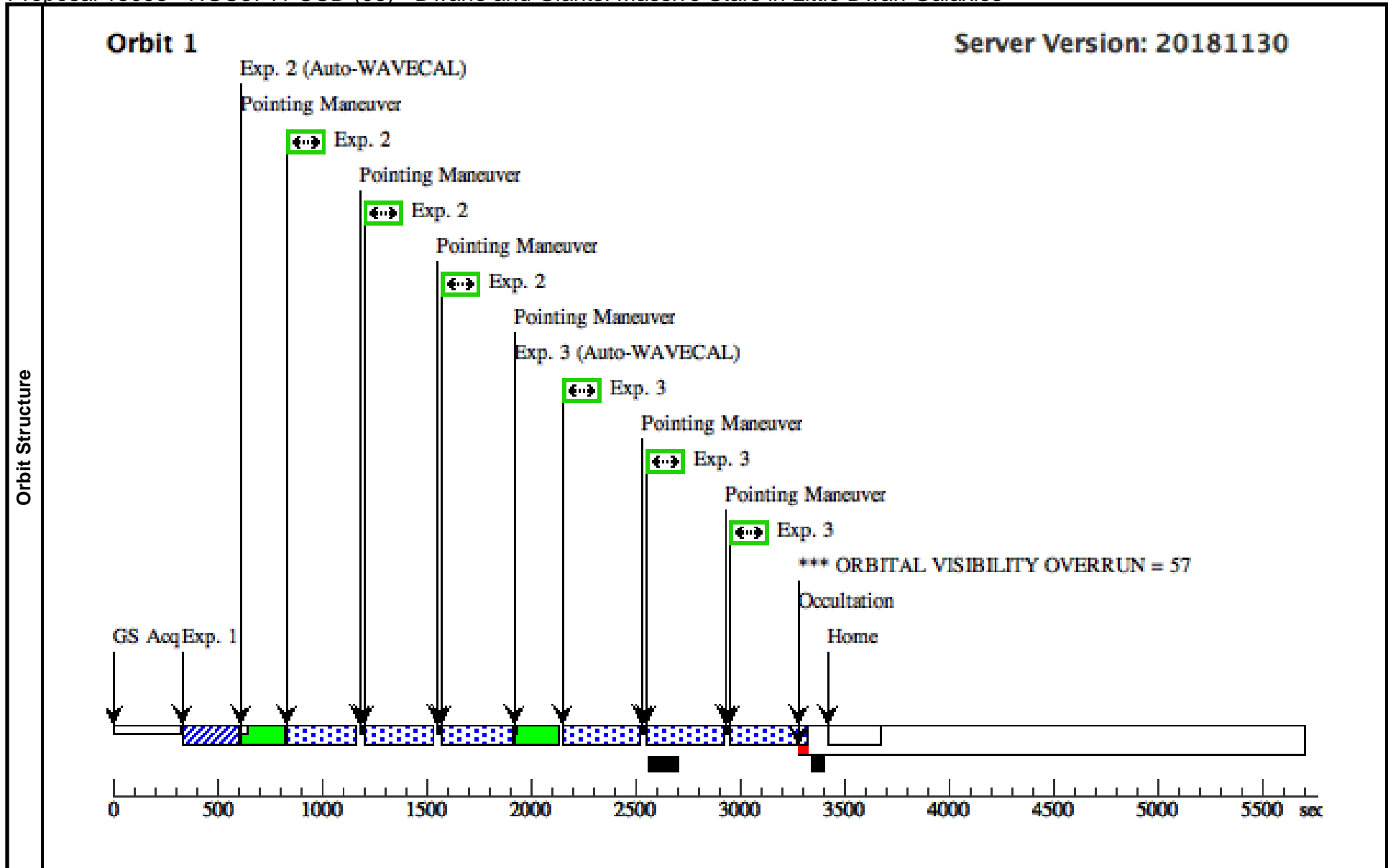
Visit	Proposal 15093, NGC3741 MAMA (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: ORIENT 217.15D TO 217.55 D; ORIENT 37.15D TO 37.55 D; ORIENT 319.5D TO 332.5 D; ORIENT 333.7D TO 338.47 D; ORIENT 313.4D TO 313.6 D									
	Patterns	#	Primary Pattern		Secondary Pattern			Exposures		
		(2)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG						
		Purpose=DITHER	Pattern Orientation=90.0							
		Number Of Points=2	Angle Between Sides=							
		Point Spacing=.5	Center Pattern=false							
		Line Spacing=								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(2)	NGC-3741	Offset from NGC3741-ACQ RA Offset: -2.8887499999950705 Secs Dec Offset: -14.640000000076725 Arcsec			V=14.23	Offset Position (NGC-3741)			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-CLUSTER Description=[OB ASSOCIATION, STAR FORMING REGION, YOUNG ASSOCIATION]									
	(10)	NGC3741-ACQ	RA: 11 36 9.1133 (174.0379721d) Dec: +45 17 13.44 (45.28707d) Equinox: J2000			V=17.56 u=18.52, r=17.30, i=17.19	Reference Frame: ICRS			
	<i>Comments:</i> Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acquisition (STIS.ta.1174991)	(10) NGC3741-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		10 Secs (10 Secs) [==>]	[1]
	2	UV1 (STIS.sp.1009948)	(2) NGC-3741	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=35 0		Pattern 2, Exps 2-2 in NGC3741 MAMA (05) (2)	950 Secs (2178 Secs) [==>1089.0 Secs (Pattern 1)] [==>1089.0 Secs (Pattern 2)]	[1]
	3	UV2 (STIS.sp.1009948)	(2) NGC-3741	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=35 0		Pattern 2, Exps 3-3 in NGC3741 MAMA (05) (2)	1250 Secs (2606 Secs) [==>1303.0 Secs (Pattern 1)] [==>1303.0 Secs (Pattern 2)]	[2]



Proposal 15093 - NGC3741 CCD (06) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

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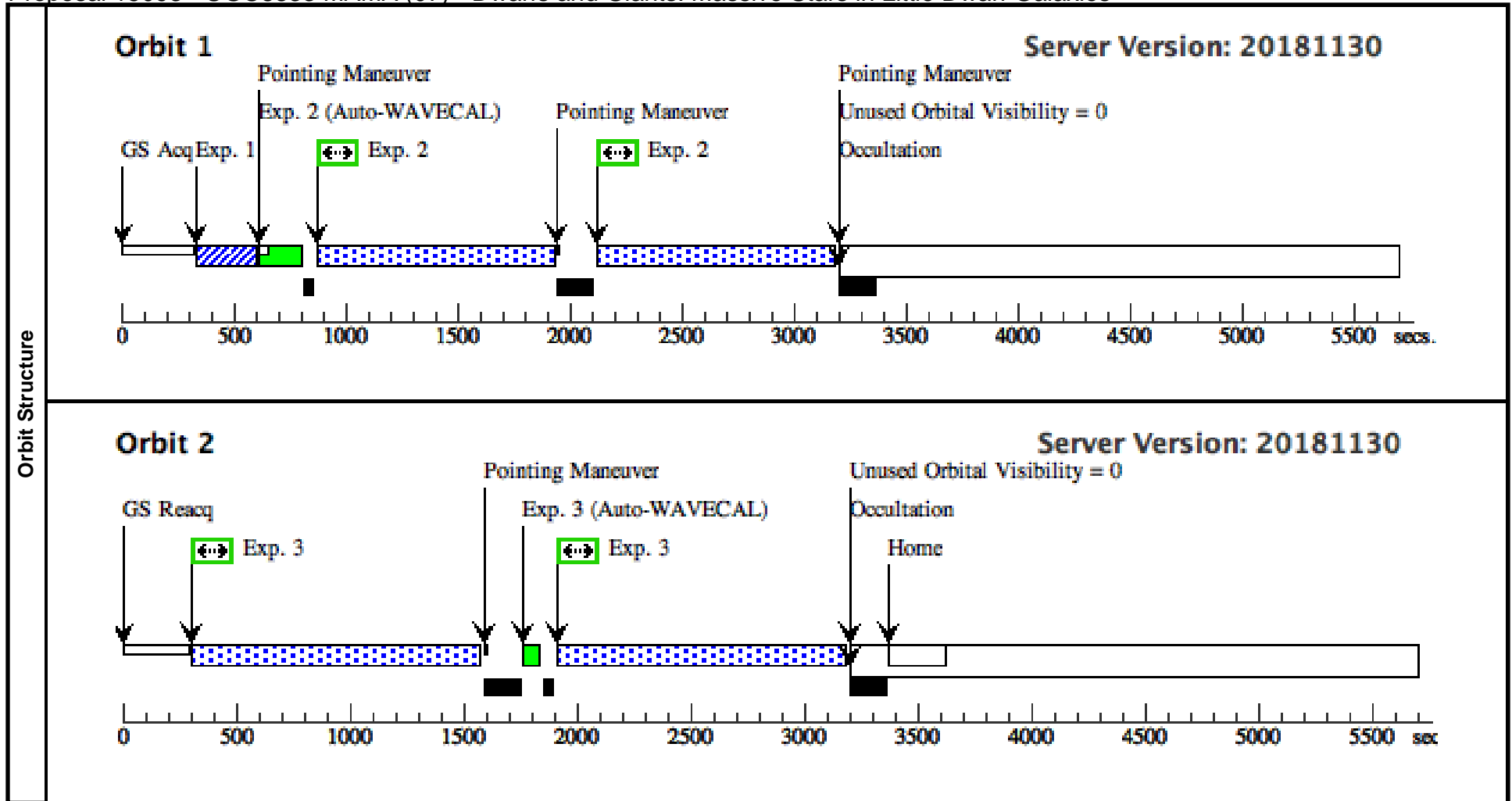
Visit	Proposal 15093, NGC3741 CCD (06), completed Diagnostic Status: Warning Scientific Instruments: STIS/CCD Special Requirements: ORIENT 217.15D TO 217.55 D; ORIENT 37.15D TO 37.55 D; ORIENT 321D TO 332.5 D; ORIENT 333.7D TO 338.47 D; ORIENT 316.8D TO 320 D									
	Diagnosics (NGC3741 CCD (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=3 Angle Between Sides= Point Spacing=.5 Center Pattern=false Line Spacing=						(2), (3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-3741	Offset from NGC3741-ACQ RA Offset: -2.8887499999950705 Secs Dec Offset: -14.640000000076725 Arcsec		V=14.23	Offset Position (NGC-3741)				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=EXT-CLUSTER Description=[OB ASSOCIATION, STAR FORMING REGION, YOUNG ASSOCIATION]									
	(10)	NGC3741-ACQ	RA: 11 36 9.1133 (174.0379721d) Dec: +45 17 13.44 (45.28707d) Equinox: J2000		V=17.56 u=18.52, r=17.30, i=17.19	Reference Frame: ICRS				
Comments: Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acquisition	(10) NGC3741-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) [==>]	[1]
	2	Red (STIS.sp.10 09953)	(2) NGC-3741	STIS/CCD, ACCUM, 52X0.2E1	G750M 6768 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1		Pattern 1, Exps 2-2 in NGC3741 CCD (06) (1)	400 Secs (894 Secs) [==>298.0 Secs (Pattern 1)] [==>298.0 Secs (Pattern 2)] [==>298.0 Secs (Pattern 3)]	[1]
	3	Blue (STIS.sp.10 09949)	(2) NGC-3741	STIS/CCD, ACCUM, 52X0.2E1	G430M 4706 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1		Pattern 1, Exps 3-3 in NGC3741 CCD (06) (1)	400 Secs (999 Secs) [==>333.0 Secs (Pattern 1)] [==>333.0 Secs (Pattern 2)] [==>333.0 Secs (Pattern 3)]	[1]



Proposal 15093 - UGC8833 MAMA (07) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

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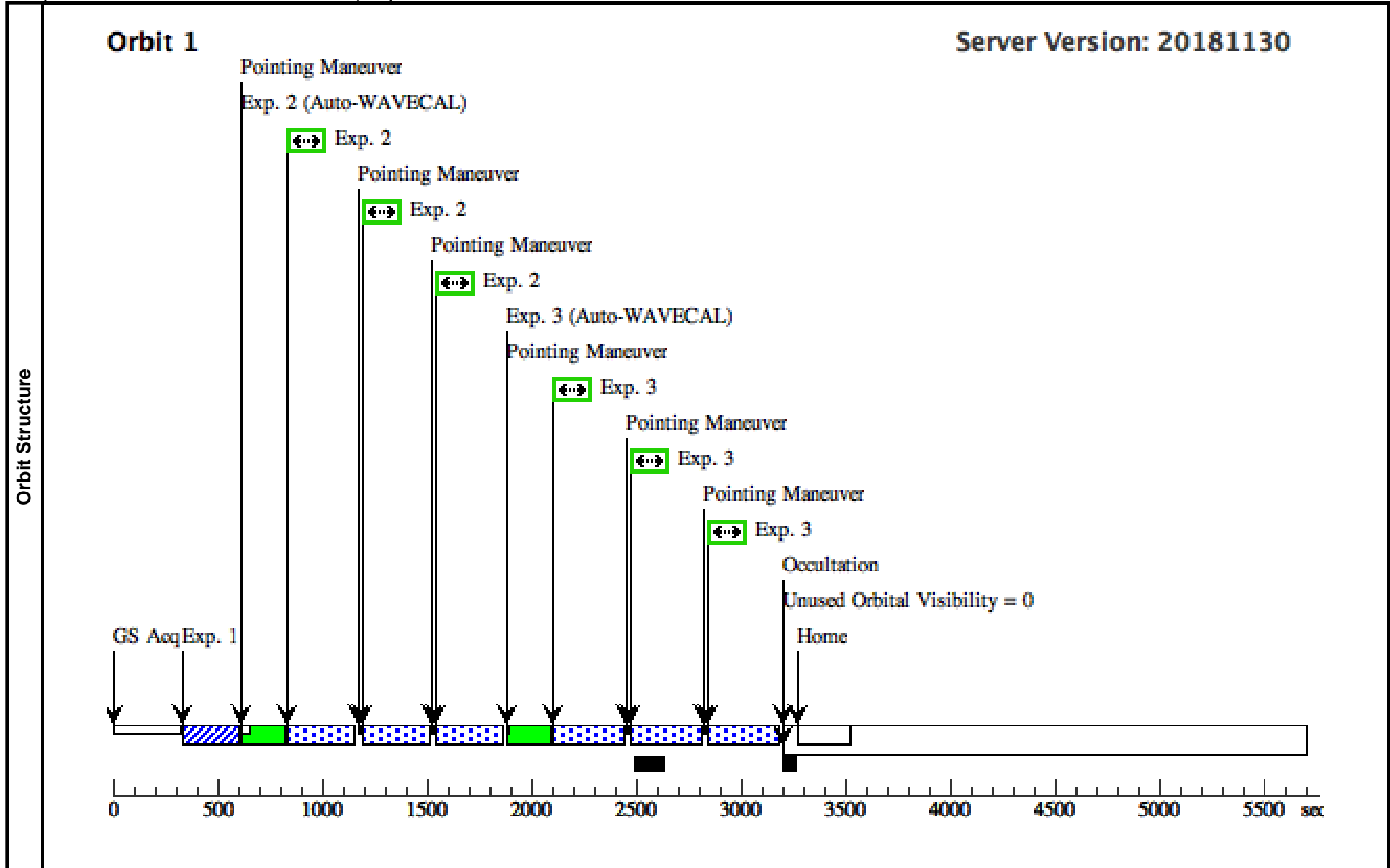
Visit	Proposal 15093, UGC8833 MAMA (07), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: ORIENT 198D TO 198.1 D; ORIENT 18D TO 18.1 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
(2)		Pattern Type=STIS-ALONG-SLIT		Coordinate Frame=POS-TARG					(2), (3)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	UGC-8833	Offset from UGC8833-ACQ				V=12		Offset Position (UGC-8833)		
	RA Offset: 3.7878599999999096 Secs Dec Offset: -49.11999999992531 Arcsec Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION, YOUNG ASSOCIATION]										
	(9)	UGC8833-ACQ	RA: 13 54 46.1000 (208.6920833d)		Dec: +35 51 5.77 (35.85160d)		Equinox: J2000		V=17.54 u=18.55, r=17.13, i=16.99		Reference Frame: ICRS
Exposures	Comments: Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO										
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	Target Acquisition (STIS.ta.1174995)	(9) UGC8833-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs)		
									[==>]		[1]
2	UV1 (STIS.sp.1009948)	(4) UGC-8833	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=12 18		Pattern 2, Exps 2-2 in UGC8833 MAMA (07) (2)	950 Secs (2094 Secs)			
								[==>1047.0 Secs (Pattern 1)]		[1]	
								[==>1047.0 Secs (Pattern 2)]			
3	UV2 (STIS.sp.1009948)	(4) UGC-8833	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=12 18		Pattern 2, Exps 3-3 in UGC8833 MAMA (07) (2)	1250 Secs (2522 Secs)			
								[==>1261.0 Secs (Pattern 1)]		[2]	
								[==>1261.0 Secs (Pattern 2)]			



Proposal 15093 - UGC8833 CCD (08) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Wed Dec 12 16:00:33 GMT 2018

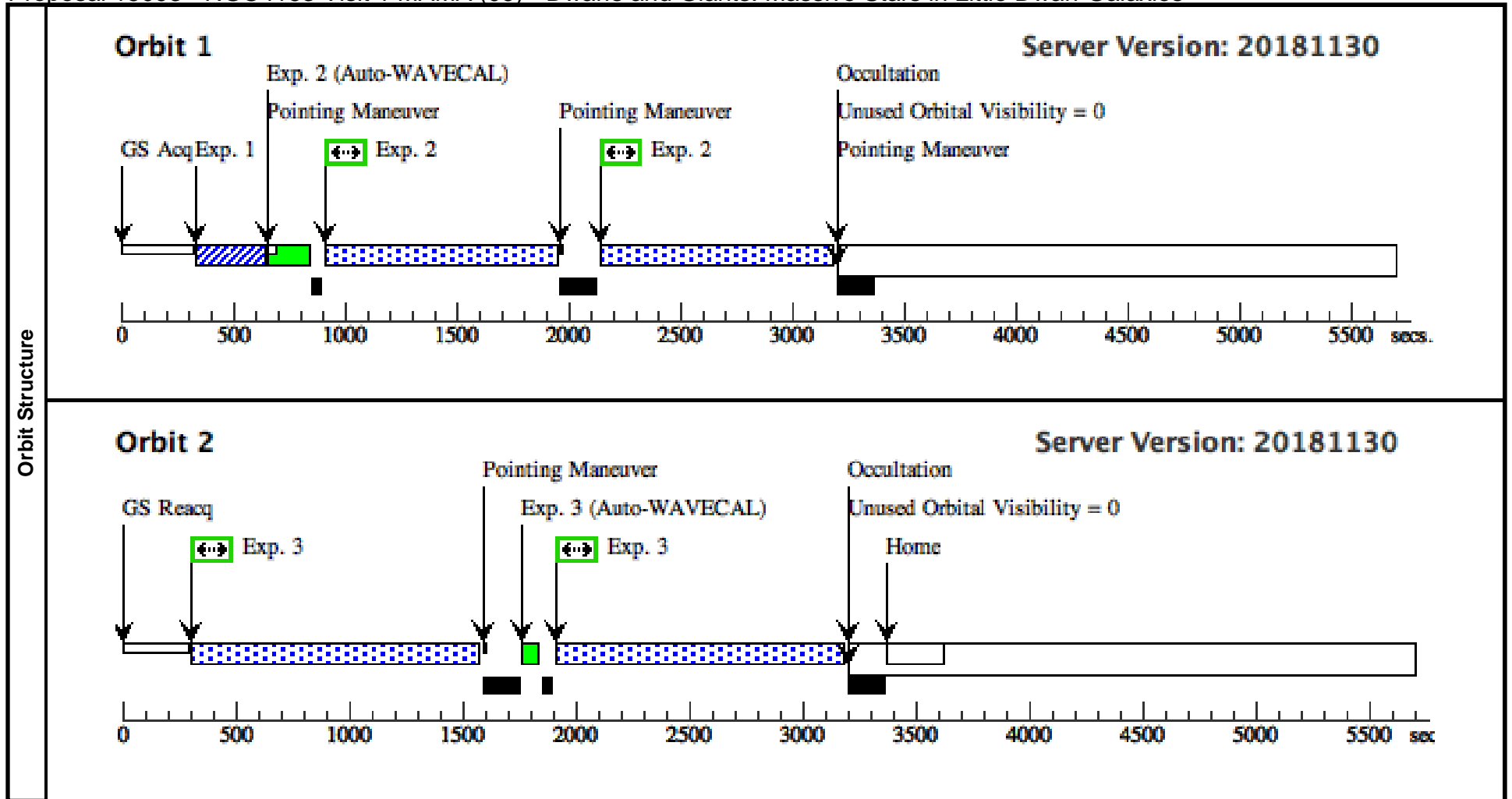
Visit	Proposal 15093, UGC8833 CCD (08), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 198D TO 198.1 D; ORIENT 18D TO 18.1 D									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(1)		Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=3 Angle Between Sides= Point Spacing=.5 Center Pattern=false Line Spacing=					(2), (3)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(4)	UGC-8833	Offset from UGC8833-ACQ RA Offset: 3.7878599999999096 Secs Dec Offset: -49.11999999992531 Arcsec			V=12	Offset Position (UGC-8833)			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION, YOUNG ASSOCIATION]									
Exposures	(9)	UGC8833-ACQ	RA: 13 54 46.1000 (208.6920833d) Dec: +35 51 5.77 (35.85160d) Equinox: J2000			V=17.54 u=18.55, r=17.13, i=16.99	Reference Frame: ICRS			
	<i>Comments:</i> Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO									
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Target Acquisition	(9) UGC8833-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			10 Secs (10 Secs) [==>]	[1]	
2	Red (STIS.sp.1009953)	(4) UGC-8833	STIS/CCD, ACCUM, 52X0.2E1	G750M 6768 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1		Pattern 1, Exps 2-2 in UGC8833 CCD (08) (1)	400 Secs (852 Secs) [==>284.0 Secs (Pattern 1)] [==>284.0 Secs (Pattern 2)] [==>284.0 Secs (Pattern 3)]	[1]	
3	Blue (STIS.sp.1009949)	(4) UGC-8833	STIS/CCD, ACCUM, 52X0.2E1	G430M 4706 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1		Pattern 1, Exps 3-3 in UGC8833 CCD (08) (1)	400 Secs (899 Secs) [==>300.0 Secs (Pattern 1)] [==>300.0 Secs (Pattern 2)] [==>299.0 Secs (Pattern 3)]	[1]	



Proposal 15093 - NGC4163 Visit 1 MAMA (09) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Wed Dec 12 16:00:33 GMT 2018

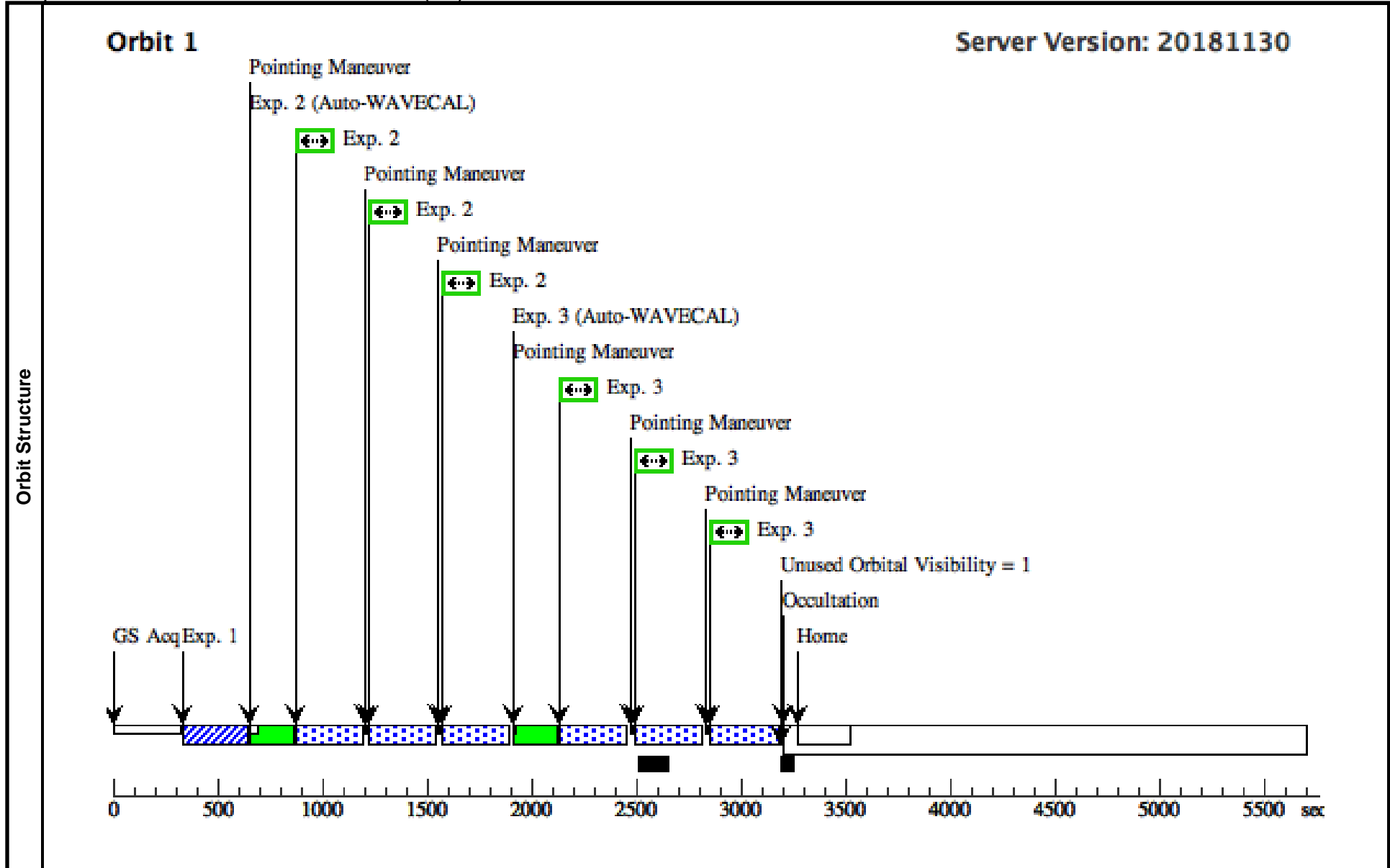
Visit	Proposal 15093, NGC4163 Visit 1 MAMA (09), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: ORIENT 73D TO 83 D; ORIENT 163.3D TO 163.3 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG						(2), (3)
		Purpose=DITHER	Pattern Orientation=90.0							
		Number Of Points=2	Angle Between Sides=							
		Point Spacing=.5	Center Pattern=false							
		Line Spacing=								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-4163.A	Offset from NGC4163-ACQ RA Offset: -0.7120200000031218 Secs Dec Offset: 72.03000000001225 Arcsec		V=13.2	Offset Position (NGC-4163.A)				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION]									
	(8)	NGC4163-ACQ	RA: 12 12 9.7074 (183.0404475d) Dec: +36 09 21.76 (36.15604d) Equinox: J2000		V=19.63 u=22.13, r=18.32, i=17.77	Reference Frame: ICRS				
	<i>Comments:</i> Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acquisition (STIS.ta.1174994)	(8) NGC4163-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		20 Secs (20 Secs) [==>]	[1]
	2	UV1 (STIS.sp.1009948)	(3) NGC-4163.A	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=74 6		Pattern 2, Exps 2-2 in NGC4163 Visit 1 MAMA (09) (2)	950 Secs (2054 Secs) [==>1027.0 Secs (Pattern 1)] [==>1027.0 Secs (Pattern 2)]	[1]
	3	UV2 (STIS.sp.1009948)	(3) NGC-4163.A	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=74 6		Pattern 2, Exps 3-3 in NGC4163 Visit 1 MAMA (09) (2)	1250 Secs (2522 Secs) [==>1261.0 Secs (Pattern 1)] [==>1261.0 Secs (Pattern 2)]	[2]



Proposal 15093 - NGC4163 Visit 1 CCD (10) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Wed Dec 12 16:00:33 GMT 2018

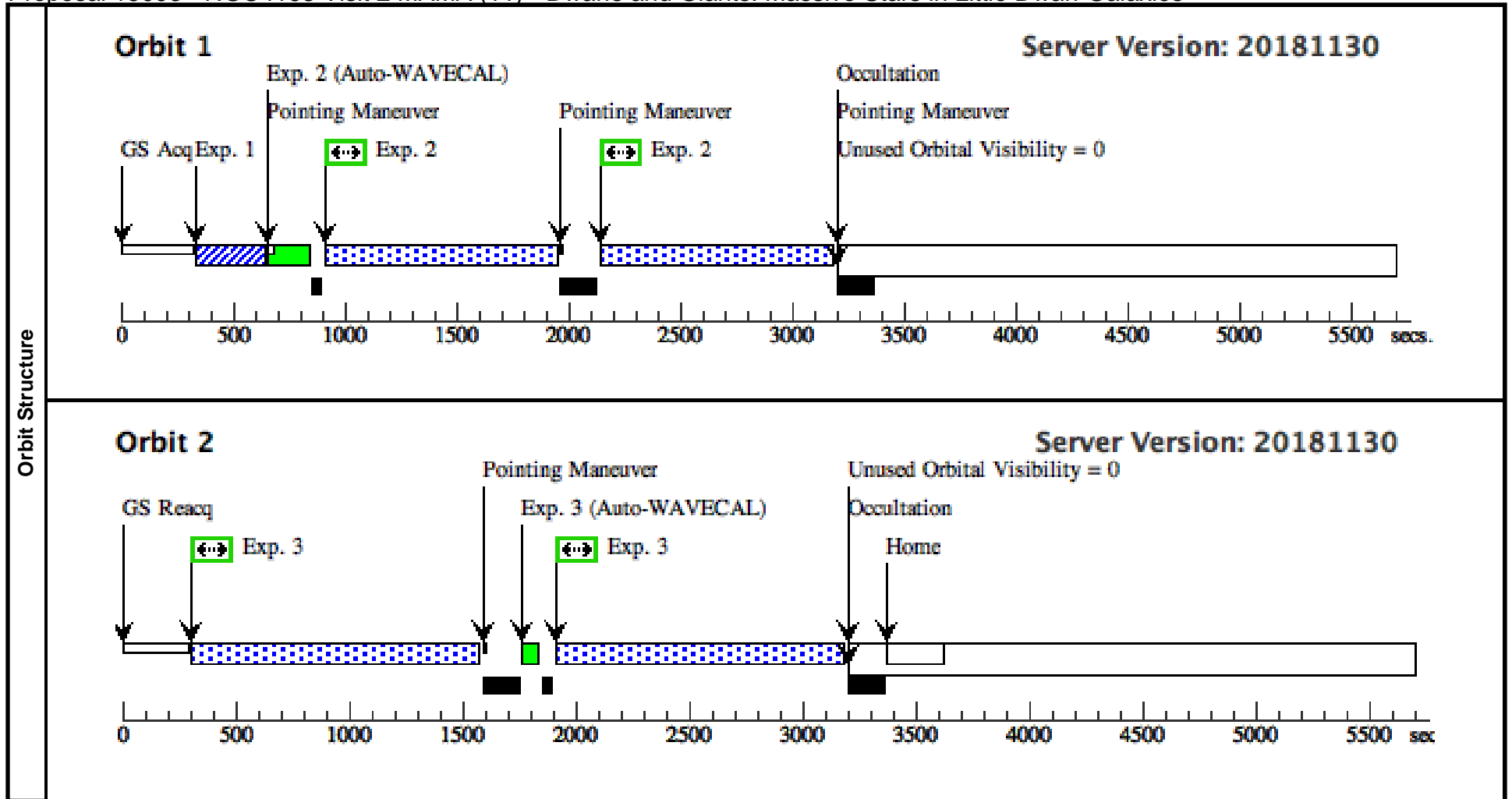
Visit	Proposal 15093, NGC4163 Visit 1 CCD (10), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 73D TO 83 D; ORIENT 163.3D TO 163.3 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG						
		Purpose=DITHER	Pattern Orientation=90.0							
		Number Of Points=3	Angle Between Sides=							
		Point Spacing=.5	Center Pattern=false							
		Line Spacing=								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-4163.A	Offset from NGC4163-ACQ RA Offset: -0.7120200000031218 Secs Dec Offset: 72.03000000001225 Arcsec		V=13.2	Offset Position (NGC-4163.A)				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION]									
	(8)	NGC4163-ACQ	RA: 12 12 9.7074 (183.0404475d) Dec: +36 09 21.76 (36.15604d) Equinox: J2000		V=19.63 u=22.13, r=18.32, i=17.77	Reference Frame: ICRS				
	<i>Comments:</i> Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acquisition	(8) NGC4163-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		20 Secs (20 Secs)	
								[==>]	[1]	
	2	Red (STIS.sp.1009953)	(3) NGC-4163.A	STIS/CCD, ACCUM, 52X0.2E1	G750M 6768 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1		Pattern 1, Exps 2-2 in NGC4163 Visit 1 CCD (10) (1)	400 Secs (843 Secs)	
								[==>281.0 Secs (Pattern 1)] [==>281.0 Secs (Pattern 2)] [==>281.0 Secs (Pattern 3)]	[1]	
	3	Blue (STIS.sp.1009949)	(3) NGC-4163.A	STIS/CCD, ACCUM, 52X0.2E1	G430M 4706 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1		Pattern 1, Exps 3-3 in NGC4163 Visit 1 CCD (10) (1)	400 Secs (867 Secs)	
								[==>289.0 Secs (Pattern 1)] [==>289.0 Secs (Pattern 2)] [==>289.0 Secs (Pattern 3)]	[1]	



Proposal 15093 - NGC4163 Visit 2 MAMA (11) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Wed Dec 12 16:00:33 GMT 2018

Visit	Proposal 15093, NGC4163 Visit 2 MAMA (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: ORIENT 88.2D TO 88.5 D; ORIENT 268.2D TO 268.5 D; ORIENT 165D TO 165 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=STIS-ALONG-SLIT	Coordinate Frame=POS-TARG						
		Purpose=DITHER	Pattern Orientation=90.0							
		Number Of Points=2	Angle Between Sides=							
		Point Spacing=.5	Center Pattern=false							
		Line Spacing=								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-4163.B	Offset from NGC4163-ACQ RA Offset: -0.3278700000009849 Secs Dec Offset: 37.05250000000433 Arcsec		V=13.2	Offset Position (NGC-4163.B)				
		<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION]								
	(8)	NGC4163-ACQ	RA: 12 12 9.7074 (183.0404475d) Dec: +36 09 21.76 (36.15604d) Equinox: J2000		V=19.63 u=22.13, r=18.32, i=17.77	Reference Frame: ICRS				
		<i>Comments:</i> Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO								
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acquisition	(8) NGC4163-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		20 Secs (20 Secs) [==>]	[1]
	2	UV1 (STIS.sp.10 49584)	(6) NGC-4163.B	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=76 9		Pattern 2, Exps 2-2 in NGC4163 Visit 2 MAMA (11) (2)	950 Secs (2054 Secs) [==>1027.0 Secs (Pattern 1)] [==>1027.0 Secs (Pattern 2)]	[1]
	3	UV2 (STIS.sp.10 51127)	(6) NGC-4163.B	STIS/FUV-MAMA, TIME-TAG, 52X0.2	G140L 1425 A	BUFFER-TIME=75 6		Pattern 2, Exps 3-3 in NGC4163 Visit 2 MAMA (11) (2)	1250 Secs (2522 Secs) [==>1261.0 Secs (Pattern 1)] [==>1261.0 Secs (Pattern 2)]	[2]



Proposal 15093 - NGC4163 Visit 2 CCD (12) - Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies

Wed Dec 12 16:00:33 GMT 2018

Visit	Proposal 15093, NGC4163 Visit 2 CCD (12), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD Special Requirements: ORIENT 88.2D TO 88.5 D; ORIENT 268.2D TO 268.5 D; ORIENT 165D TO 165 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
(1)		Pattern Type=STIS-ALONG-SLIT		Coordinate Frame=POS-TARG					(2), (3)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(6)	NGC-4163.B		Offset from NGC4163-ACQ RA Offset: -0.3278700000009849 Secs Dec Offset: 37.05250000000433 Arcsec				V=13.2		Offset Position (NGC-4163.B)	
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-CLUSTER Description=[OB ASSOCIATION, OPEN CLUSTER, STAR FORMING REGION]										
	(8)	NGC4163-ACQ		RA: 12 12 9.7074 (183.0404475d) Dec: +36 09 21.76 (36.15604d) Equinox: J2000				V=19.63 u=22.13, r=18.32, i=17.77		Reference Frame: ICRS	
<i>Comments:</i> Category=CALIBRATION Description=[TARGET ACQUISITION TEST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	Target Acquisition	(8) NGC4163-ACQ	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT	GS ACQ SCENARIO BASE1B3		20 Secs (20 Secs)		
	[==>]										
	2	Red (STIS.sp.1009953)	(6) NGC-4163.B	STIS/CCD, ACCUM, 52X0.2E1	G750M 6768 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1			Pattern 1, Exps 2-2 in NGC4163 Visit 2 CCD (12) (1)	400 Secs (855 Secs)	
[==>285.0 Secs (Pattern 1)]											
[==>285.0 Secs (Pattern 2)]											
[==>285.0 Secs (Pattern 3)]											
3	Blue (STIS.sp.1009949)	(6) NGC-4163.B	STIS/CCD, ACCUM, 52X0.2E1	G430M 4706 A	CR-SPLIT=NO; GAIN=1; BINAXIS1=1; BINAXIS2=1			Pattern 1, Exps 3-3 in NGC4163 Visit 2 CCD (12) (1)	400 Secs (855 Secs)		
[==>285.0 Secs (Pattern 1)]											
[==>285.0 Secs (Pattern 2)]											
[==>285.0 Secs (Pattern 3)]											

