



13690 - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Cycle: 22, Proposal Category: GO

(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) MGC-02-01-051	WFC3/IR	1	17-Oct-2015 21:05:16.0	yes
02	(2) IC0214	WFC3/IR	1	17-Oct-2015 21:05:18.0	yes
03	(3) IRASF02437+2122	WFC3/IR	1	17-Oct-2015 21:05:20.0	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>
04	(4) IRASF03217+4022	WFC3/IR	1	17-Oct-2015 21:05:21.0	yes
05	(5) IRAS03582+6012	WFC3/IR	1	17-Oct-2015 21:05:23.0	yes
06	(6) IRAS05129+5128	WFC3/IR	1	17-Oct-2015 21:05:24.0	yes
07	(7) IRAS08355-4944	WFC3/IR	1	17-Oct-2015 21:05:26.0	yes
08	(8) ESO374-IG032	WFC3/IR	1	17-Oct-2015 21:05:27.0	yes
09	(9) MCG+07-23-019	WFC3/IR	1	17-Oct-2015 21:05:29.0	yes
10	(10) NGC4922	WFC3/IR	1	17-Oct-2015 21:05:30.0	yes
11	(11) IRAS13120-5453	WFC3/IR	1	17-Oct-2015 21:05:31.0	yes
12	(12) UGC08335	WFC3/IR	1	17-Oct-2015 21:05:33.0	yes
13	(13) UGC08387	WFC3/IR	1	17-Oct-2015 21:05:34.0	yes
14	(14) NGC5256	WFC3/IR	1	17-Oct-2015 21:05:36.0	yes
15	(15) NGC5257	WFC3/IR	1	17-Oct-2015 21:05:38.0	yes
16	(16) NGC5331	WFC3/IR	1	17-Oct-2015 21:05:39.0	yes
17	(17) VV340A	WFC3/IR	1	17-Oct-2015 21:05:40.0	yes
18	(18) ESO099-G004	WFC3/IR	1	17-Oct-2015 21:05:42.0	yes
19	(19) NGC6090	WFC3/IR	1	17-Oct-2015 21:05:43.0	yes
20	(20) IRASF16164-0746	WFC3/IR	1	17-Oct-2015 21:05:44.0	yes
21	(21) IRAS16399-0937	WFC3/IR	1	17-Oct-2015 21:05:46.0	yes
22	(22) NGC6240	WFC3/IR	1	17-Oct-2015 21:05:47.0	yes
23	(23) NGC6786	WFC3/IR	1	17-Oct-2015 21:05:48.0	yes
24	(24) IRAS23436+5257	WFC3/IR	1	17-Oct-2015 21:05:50.0	yes

24 Total Orbits Used

ABSTRACT

We propose to obtain WFC3 narrow-band Pa-beta imaging of a sample of 24 nearby luminous infrared (IR) galaxies (LIRGs) from the Great Observatories All-sky LIRG survey (GOALS) selected to be in advanced stages of interaction. LIRGs account for half of the obscured star formation

of the Universe at $z \sim 1-2$, and they represent a key population in galaxy formation and evolution. We will use the Pa-beta images to trace the ionized gas in LIRGs and study its spatial distribution from scales of ~ 100 pc to up to several kpc, probing the youngest, massive stars formed in the most buried environments of LIRGs due to the interaction process. This will allow us to measure how the gas in the center of mergers is converted into stars, which eventually leads to the build-up of a nuclear stellar cusp and the "inside-out" growth of bulges. We will also create spatially-resolved Pa-beta equivalent width maps to search for age gradients across the galaxies and correlate the distribution of Pa-beta emission with that of un-obscured star clusters detected in the UV and optical with HST on the same spatial scales. Finally, we will combine our data with previous studies mainly focused on isolated and early-stage interacting LIRG systems to analyze the size and compactness of the starburst along the complete merger sequence of LIRGs. The requested data represent a critical missing piece of information that will allow us to understand both the physics of merger-induced star formation and the applicability of local LIRGs as templates for high- z interacting starburst galaxies.

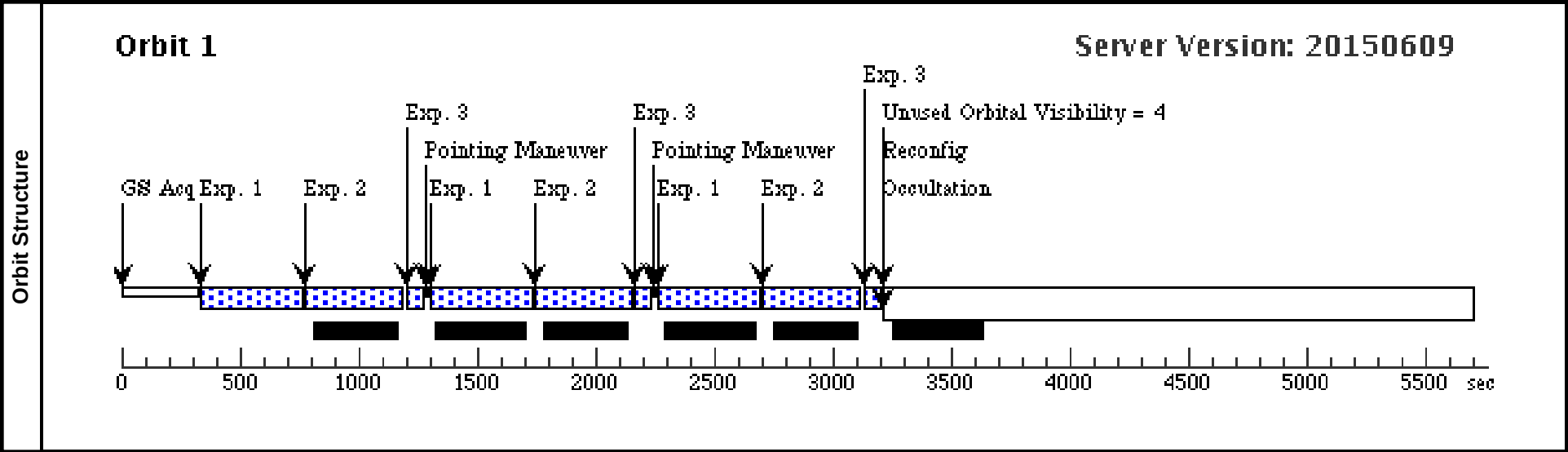
OBSERVING DESCRIPTION

Our proposal aims to obtain Pa-beta and F110W ($\sim 1.1\mu\text{m}$) imaging for 24 Luminous Infrared Galaxy (LIRG) systems (36 individual galaxies) classified as to be in advanced stages of interaction using the red- shifted narrow-band Pa-beta F132N filter ($\lambda_P = 1.3188\mu\text{m}$, $\Delta = 0.0161\mu\text{m}$) and the wide-band F110W filter ($\lambda_P = 1.1534\mu\text{m}$, $\Delta = 0.443\mu\text{m}$) provided by the WFC3 IR. The rest-frame wavelength at which the Pa-beta line is emitted is $1.2818\mu\text{m}$. Therefore the targets were selected as to be located within the redshift range: $0.0225 < z < 0.0352$ or equivalently, $\sim 6775 \text{ km s}^{-1} < v_{\text{hel}} < \sim 10550 \text{ km s}^{-1}$, such that the line lies within the F132N filter. In order to subtract the underlying continuum emission from that of the Pa-beta line, we will also observe the targets using the narrow-band F130N filter ($\lambda_P = 1.3006\mu\text{m}$, $\Delta = 0.0156\mu\text{m}$), located next to the line.

Due to the criteria used to select our galaxy sample, many of the proposed targets are LIRG systems in advanced merger stages. We have ensured that the maximum projected nuclear separation of the galaxies within each interacting system is $< \sim 60''$, such that the $136'' \times 123''$ field of view (FoV) of the WFC3 is wide enough to encompass the individual components of the system within a single image and no multiple pointings are needed.

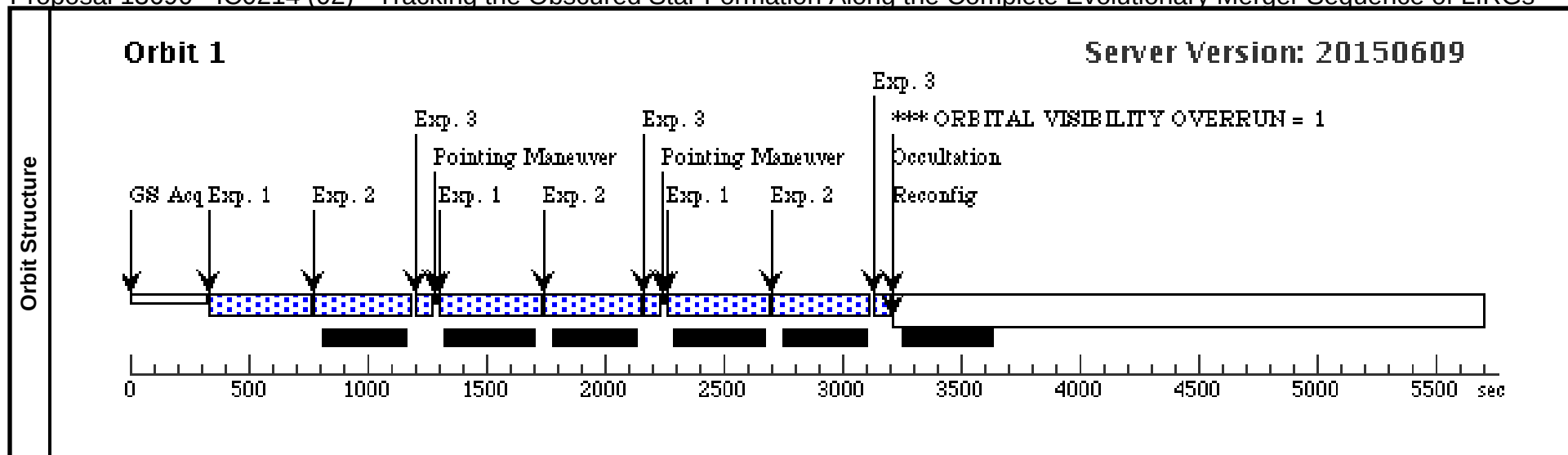
Proposal 13690 - MCG-02-01-051 (01) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of...

Visit	Proposal 13690, MCG-02-01-051 (01), completed										Sun Oct 18 01:05:51 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 0D TO 80 D; ORIENT 180D TO 260 D										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Coordinate Frame=POS-TARG Pattern Orientation=41.788 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.605 Line Spacing=									(1-3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	MGC-02-01-051	RA: 00 18 50.9133 (4.7121388d) Dec: -10 22 2.79 (-10.36744d) Equinox: J2000				V=14.3		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) MGC-02-01-051	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-3 in MCG-02-01-051 (01) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(1) MGC-02-01-051	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-3 in MCG-02-01-051 (01) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(1) MGC-02-01-051	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPI D		Pattern 2, Exps 1-3 in MCG-02-01-051 (01) (2)	38.119783 Secs (114.359 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



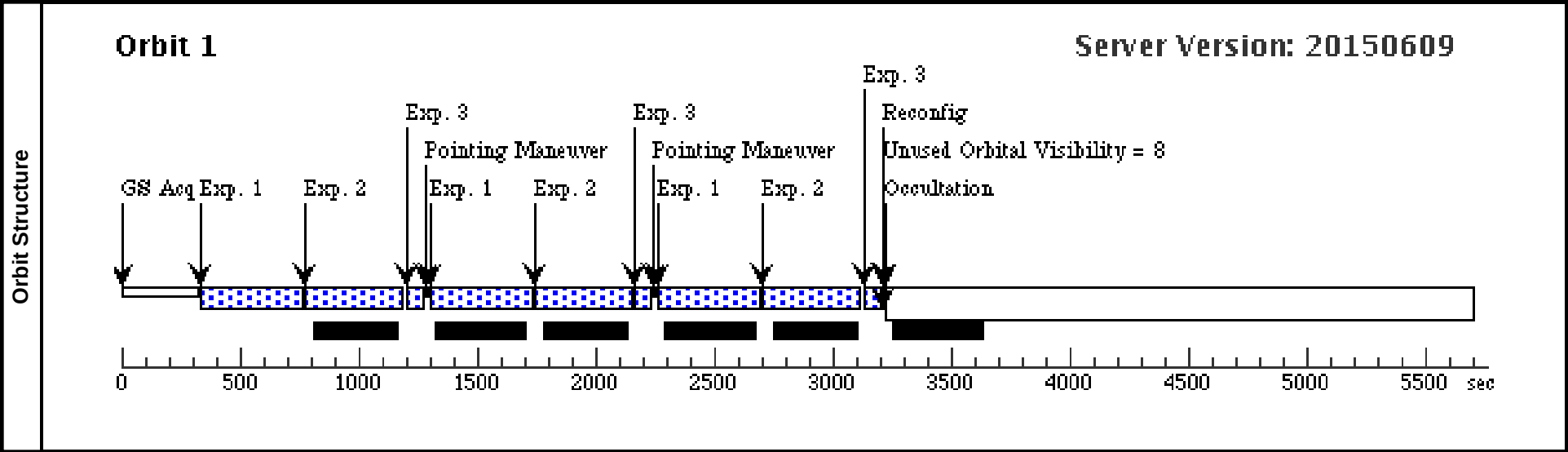
Proposal 13690 - IC0214 (02) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, IC0214 (02), completed Sun Oct 18 01:05:52 GMT 2015									
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
Diagnostics	(IC0214 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false			(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	IC0214	RA: 02 14 5.6678 (33.5236158d) Dec: +05 10 30.25 (5.17507d) Equinox: J2000				V=14.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) IC0214	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-3 in IC0214 (02) (2)	399.231646 Secs (1197.695 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2		(2) IC0214	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-3 in IC0214 (02) (2)	399.231646 Secs (1197.695 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	3		(2) IC0214	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in IC0214 (02) (2)	38.119783 Secs (114.359 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



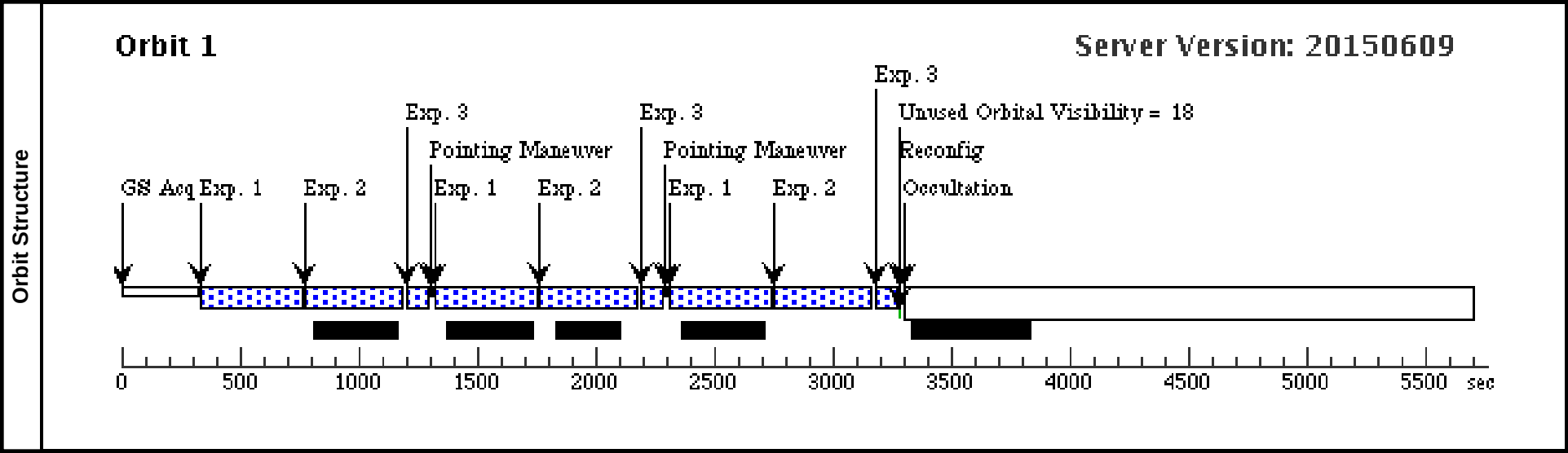
Proposal 13690 - IRASF02437+2122 (03) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequenc...

Visit	Proposal 13690, IRASF02437+2122 (03), completed										Sun Oct 18 01:05:52 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	IRASF02437+2122	RA: 02 46 39.1300 (41.6630417d) Dec: +21 35 10.40 (21.58622d) Equinox: J2000				V=13.9		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) IRASF02437+2122	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRASF02437+2122 (03) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(3) IRASF02437+2122	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRASF02437+2122 (03) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(3) IRASF02437+2122	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in IRASF02437+2122 (03) (2)	38.119783 Secs (114.359 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



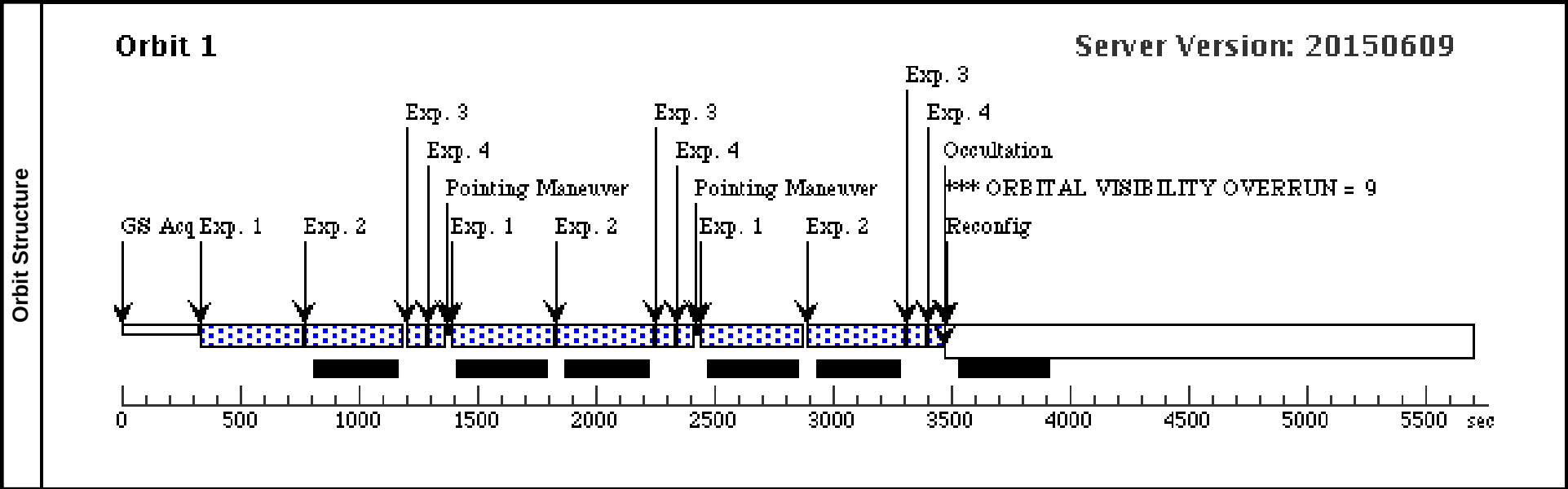
Proposal 13690 - IRASF03217+4022 (04) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequenc...

Visit	Proposal 13690, IRASF03217+4022 (04), completed										Sun Oct 18 01:05:52 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	IRASF03217+4022	RA: 03 25 5.3700 (51.2723750d) Dec: +40 33 32.20 (40.55894d) Equinox: J2000				V=14.1		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) IRASF03217+4022	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRASF03217+4022 (04) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(4) IRASF03217+4022	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRASF03217+4022 (04) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(4) IRASF03217+4022	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=7; SAMP-SEQ=SPARS10		Pattern 2, Exps 1-3 in IRASF03217+4022 (04) (2)	62.938069 Secs (188.814 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



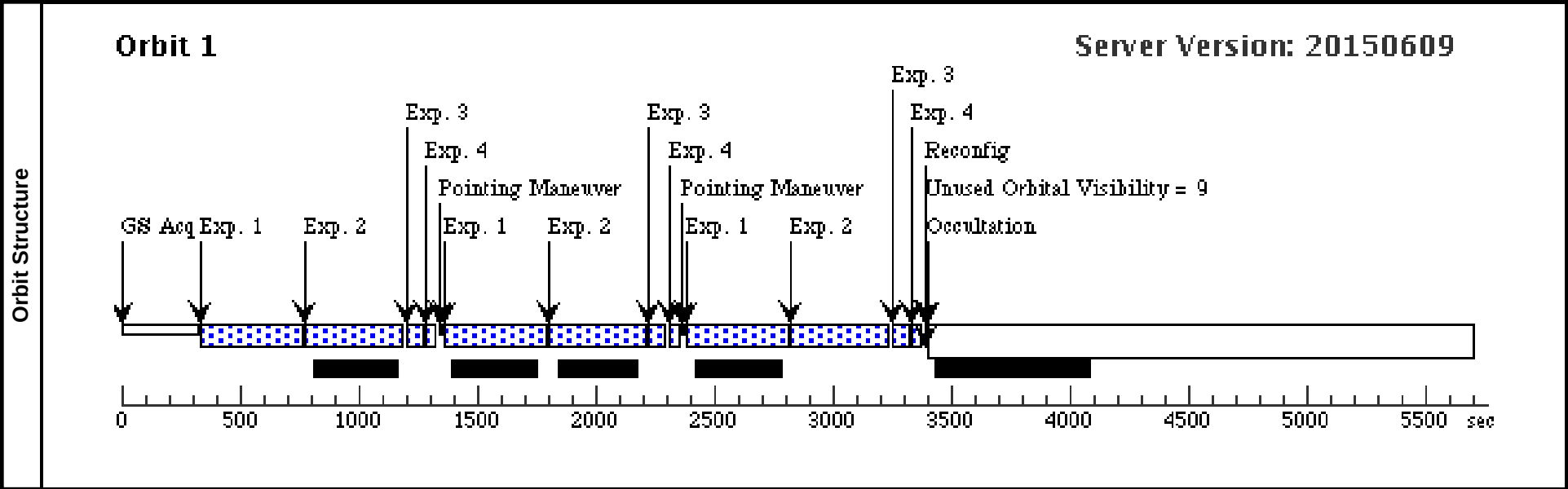
Proposal 13690 - IRAS03582+6012 (05) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence ...

Visit	Proposal 13690, IRAS03582+6012 (05), completed										Sun Oct 18 01:05:52 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(IRAS03582+6012 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Coordinate Frame=POS-TARG Pattern Orientation=41.788 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.605 Line Spacing=								(1-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	IRAS03582+6012	RA: 04 02 32.4900 (60.6353750d) Dec: +60 20 40.00 (60.34444d) Equinox: J2000				V=14.0		Reference Frame: ICRS		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(5) IRAS03582+6012	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-4 in IRAS03582+6012 (05) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(5) IRAS03582+6012	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-4 in IRAS03582+6012 (05) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(5) IRAS03582+6012	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=6; SAMP-SEQ=STEP25		Pattern 2, Exps 1-4 in IRAS03582+6012 (05) (2)	49.230226 Secs (147.691 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	4		(5) IRAS03582+6012	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=6; SAMP-SEQ=STEP25		Pattern 2, Exps 1-4 in IRAS03582+6012 (05) (2)	49.230226 Secs (147.691 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



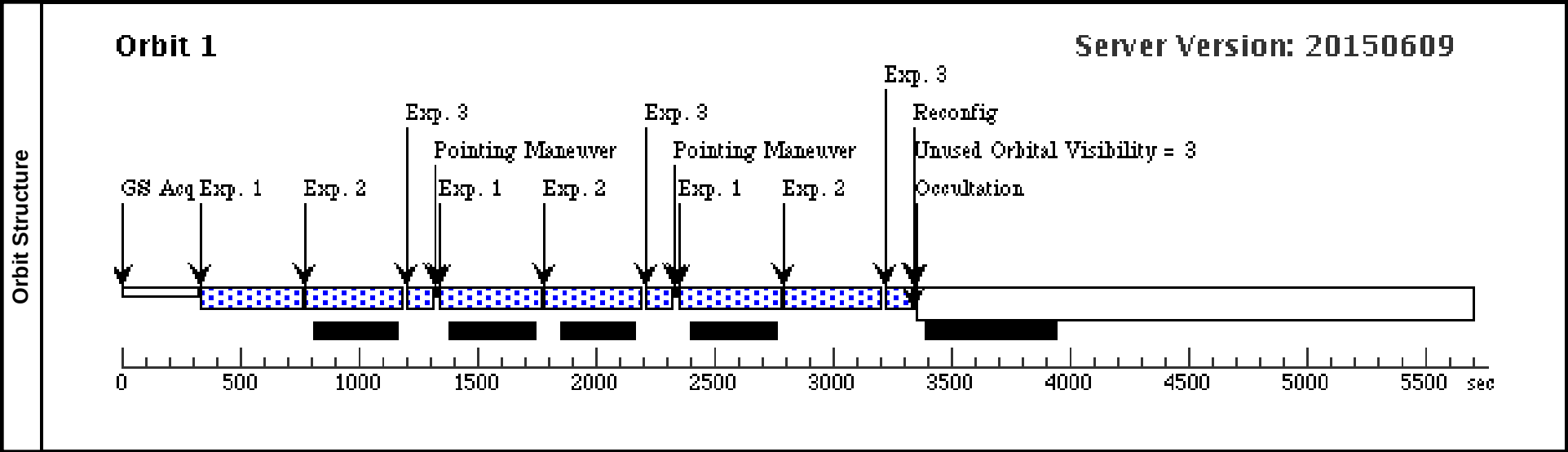
Proposal 13690 - IRAS05129+5128 (06) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence ...

Visit	Proposal 13690, IRAS05129+5128 (06), completed					Sun Oct 18 01:05:52 GMT 2015					
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	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	IRAS05129+5128	RA: 05 16 55.9600 (79.2331667d) Dec: +51 31 56.90 (51.53247d) Equinox: J2000				V=14.8		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(6) IRAS05129+5128 8	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-4 in IRAS05129+5128 (06) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(6) IRAS05129+5128 8	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-4 in IRAS05129+5128 (06) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(6) IRAS05129+5128 8	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=5; SAMP-SEQ=SPARS10		Pattern 2, Exps 1-4 in IRAS05129+5128 (06) (2)	42.936143 Secs (128.808 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	4		(6) IRAS05129+5128 8	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=5; SAMP-SEQ=STEP25		Pattern 2, Exps 1-4 in IRAS05129+5128 (06) (2)	24.229711 Secs (72.689 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



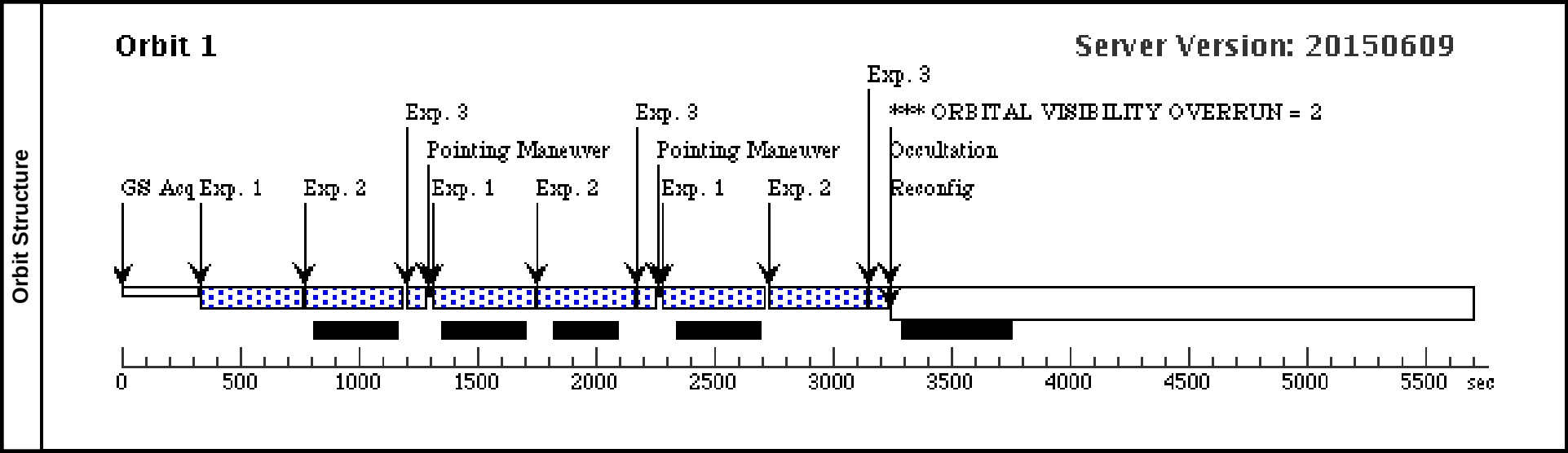
Proposal 13690 - IRAS08355-4944 (07) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence o...

Visit	Proposal 13690, IRAS08355-4944 (07), completed										Sun Oct 18 01:05:52 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	IRAS08355-4944	RA: 08 37 1.8200 (129.2575833d)				V=15.0		Reference Frame: ICRS		
		Alt Name1: MS3	Dec: -49 54 30.20 (-49.90839d)								
			Equinox: J2000								
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(7) IRAS08355-4944	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRAS08355-4944 (07) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(7) IRAS08355-4944	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRAS08355-4944 (07) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
3		(7) IRAS08355-4944	WFC3/IR, MULTIACCUM, IR-FIX	F110W		NSAMP=9; SAMP-SEQ=SPARS10		Pattern 2, Exps 1-3 in IRAS08355-4944 (07) (2)	82.939995 Secs (248.82 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



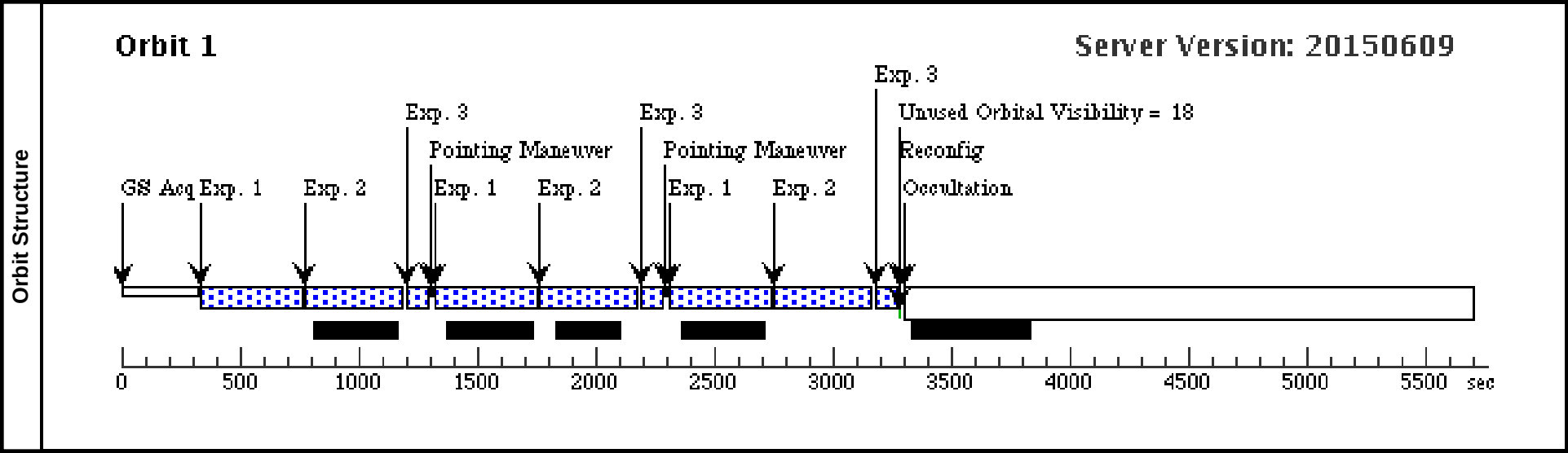
Proposal 13690 - ESO374-IG032 (08) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of ...

Visit	Proposal 13690, ESO374-IG032 (08), completed										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(ESO374-IG032 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	ESO374-IG032	RA: 10 06 4.4653 (151.5186054d) Dec: -33 53 8.30 (-33.88564d) Equinox: J2000				V=14.8		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(8) ESO374-IG032	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-3 in ESO374-IG032 (08) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(8) ESO374-IG032	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-3 in ESO374-IG032 (08) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(8) ESO374-IG032	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=6; SAMP-SEQ=STEP2 5		Pattern 2, Exps 1-3 in ESO374-IG032 (08) (2)	49.230226 Secs (147.691 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



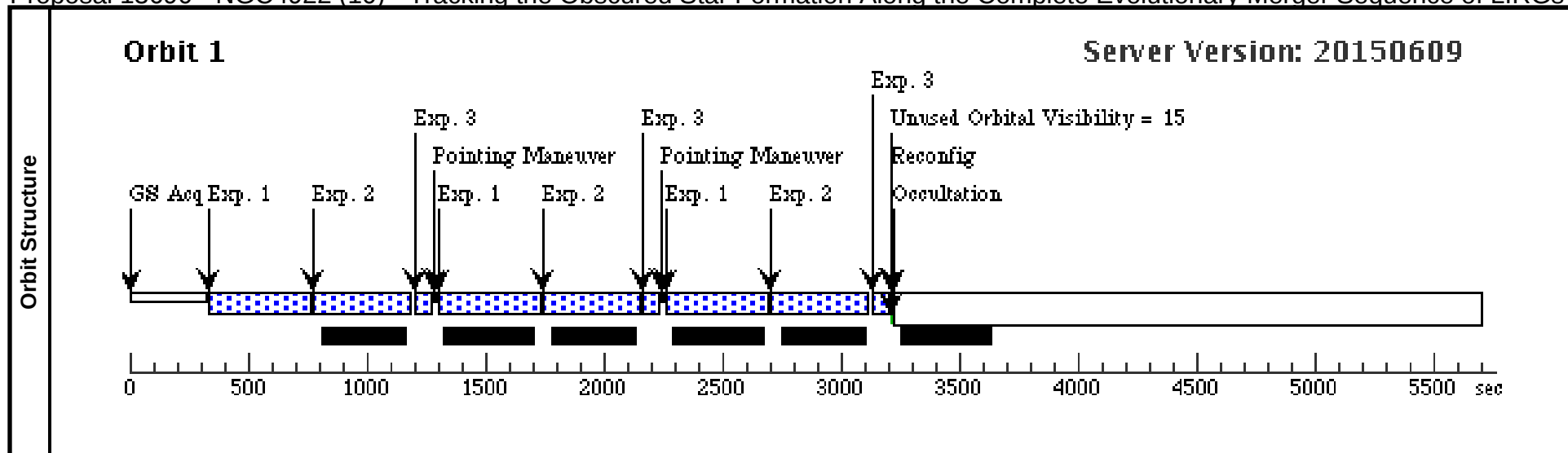
Proposal 13690 - MCG+07-23-019 (09) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence o...

Visit	Proposal 13690, MCG+07-23-019 (09), completed										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Coordinate Frame=POS-TARG Pattern Orientation=41.788 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.605 Line Spacing=								(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	MCG+07-23-019	RA: 11 03 53.5632 (165.9731800d) Dec: +40 50 58.41 (40.84956d) Equinox: J2000				V=15.6		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(9) MCG+07-23-019	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-3 in MCG+07-23-019 (09) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(9) MCG+07-23-019	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-3 in MCG+07-23-019 (09) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(9) MCG+07-23-019	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=7; SAMP-SEQ=SPAR S10		Pattern 2, Exps 1-3 in MCG+07-23-019 (09) (2)	62.938069 Secs (188.814 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



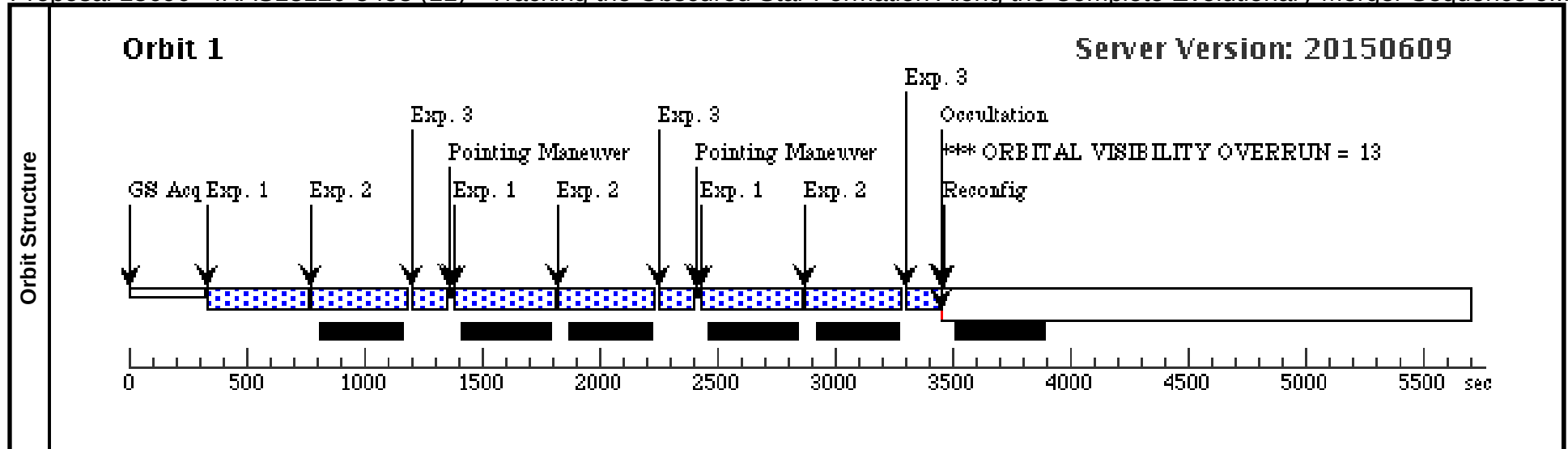
Proposal 13690 - NGC4922 (10) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, NGC4922 (10), completed										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	NGC4922	RA: 13 01 24.5517 (195.3522988d) Dec: +29 18 41.72 (29.31159d) Equinox: J2000				V=13.4		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(10) NGC4922	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC4922 (10) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(10) NGC4922	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC4922 (10) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(10) NGC4922	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in NGC4922 (10) (2)	38.119783 Secs (114.359 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



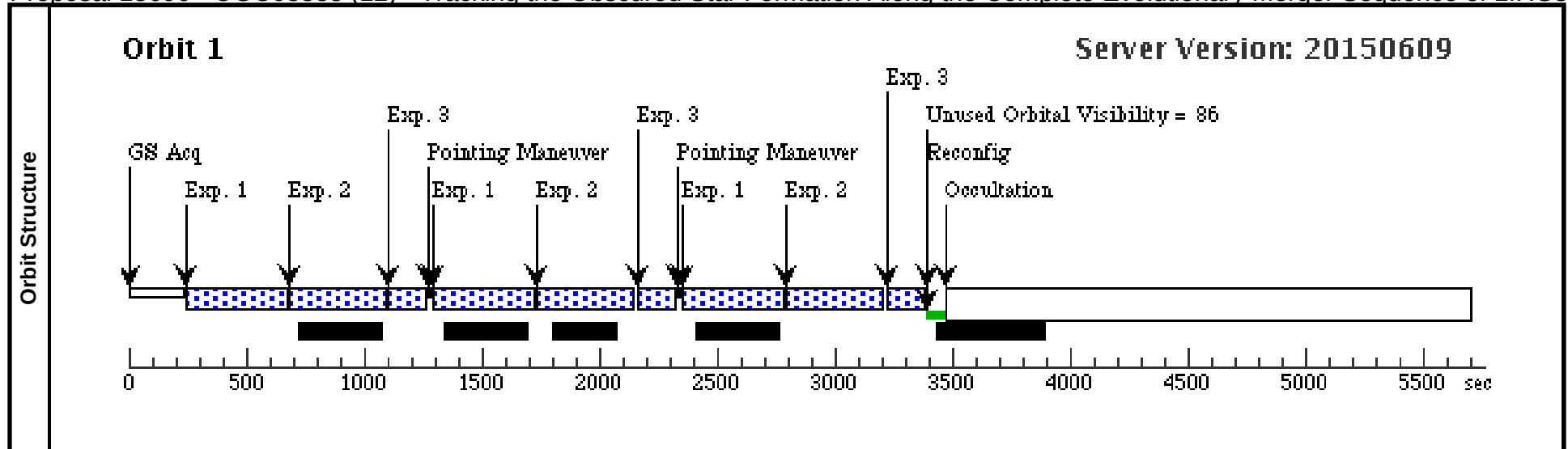
Proposal 13690 - IRAS13120-5453 (11) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence o...

Visit	Proposal 13690, IRAS13120-5453 (11), completed										Sun Oct 18 01:05:53 GMT 2015		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Diagnostics	(IRAS13120-5453 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
Patterns	#	Primary Pattern						Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1-3)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(11)	IRAS13120-5453		RA: 13 15 6.3500 (198.7764583d) Dec: -55 09 22.70 (-55.15631d) Equinox: J2000				V=13.8		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(11) IRAS13120-5453 3	WFC3/IR, MULTIACCUM, IR-FIX		F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRAS13120-5453 (11) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	2		(11) IRAS13120-5453 3	WFC3/IR, MULTIACCUM, IR-FIX		F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRAS13120-5453 (11) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	3		(11) IRAS13120-5453 3	WFC3/IR, MULTIACCUM, IR-FIX		F110W	NSAMP=13; SAMP-SEQ=SPARS10		Pattern 2, Exps 1-3 in IRAS13120-5453 (11) (2)	122.943847 Secs (368.832 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	



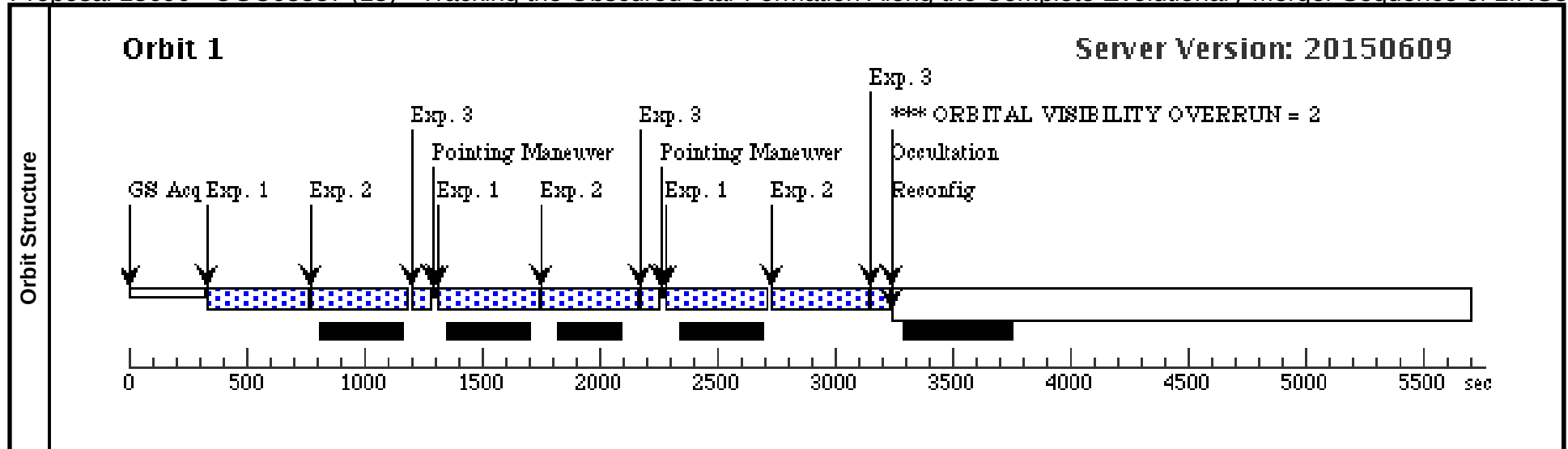
Proposal 13690 - UGC08335 (12) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, UGC08335 (12), implementation										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(12)	UGC08335	RA: 13 15 33.0510 (198.8877125d) Dec: +62 07 35.51 (62.12653d) Equinox: J2000				V=14.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(12) UGC08335	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100	GS ACQ SCENARIO SINGLE	Pattern 2, Exps 1-3 in UGC08335 (12) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(12) UGC08335	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in UGC08335 (12) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(12) UGC08335	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=6; SAMP-SEQ=SPARS25		Pattern 2, Exps 1-3 in UGC08335 (12) (2)	127.934866 Secs (383.805 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



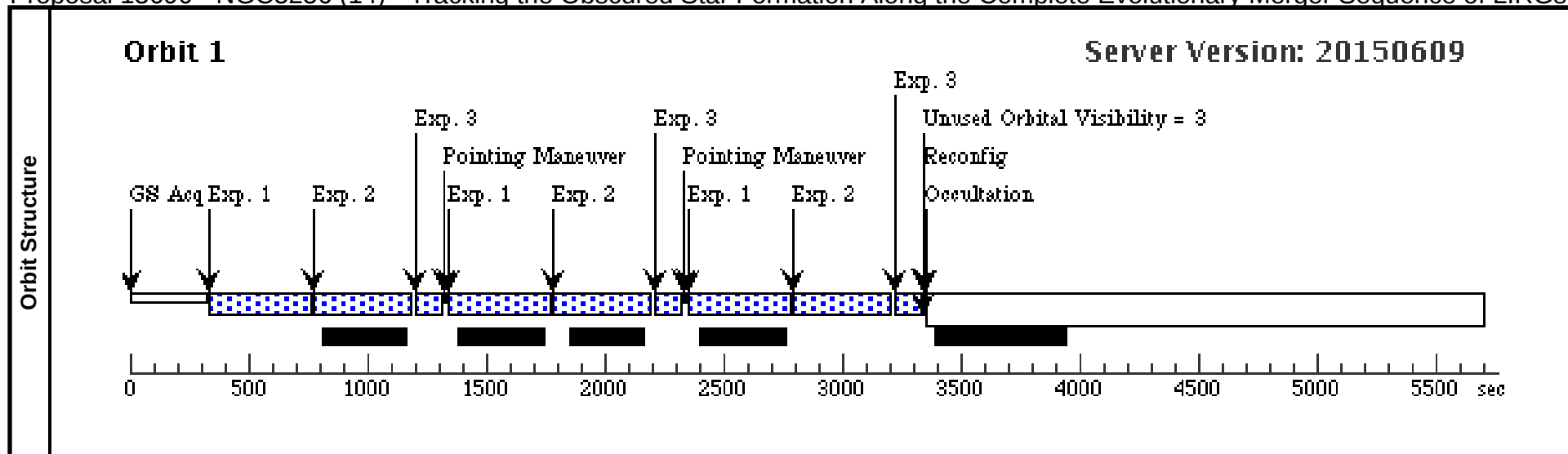
Proposal 13690 - UGC08387 (13) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, UGC08387 (13), scheduling										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(UGC08387 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false				(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	UGC08387	RA: 13 20 35.0169 (200.1459038d) Dec: +34 08 1.98 (34.13388d) Equinox: J2000				V=13.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(13) UGC08387	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in UGC08387 (13) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(13) UGC08387	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in UGC08387 (13) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(13) UGC08387	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=6; SAMP-SEQ=STEP25		Pattern 2, Exps 1-3 in UGC08387 (13) (2)	49.230226 Secs (147.691 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



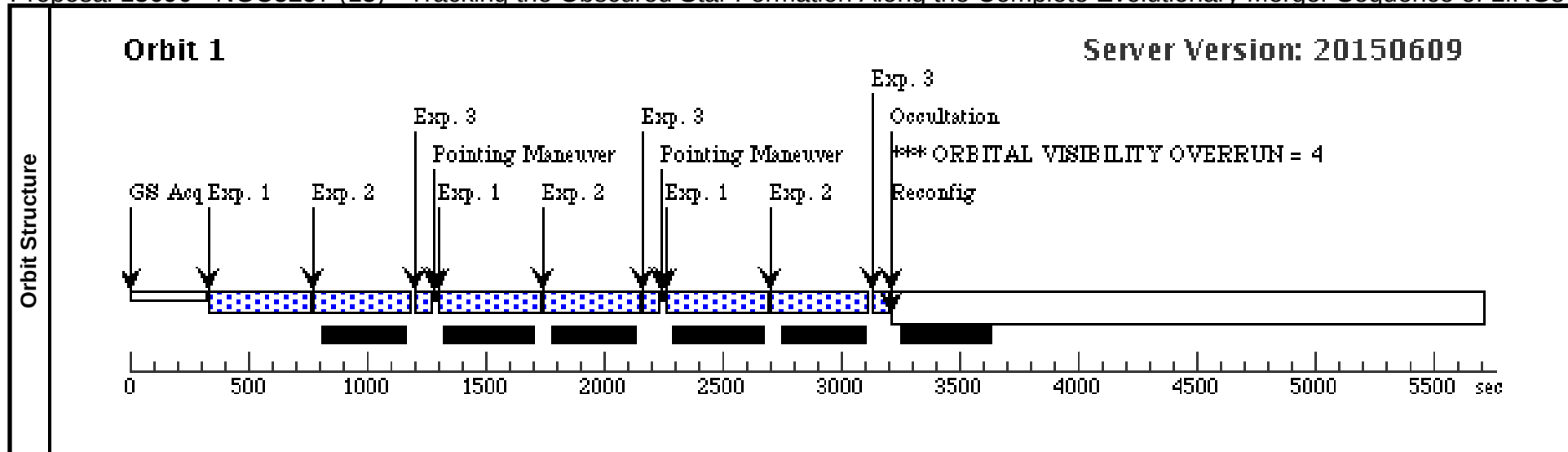
Proposal 13690 - NGC5256 (14) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, NGC5256 (14), completed										Sun Oct 18 01:05:53 GMT 2015		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1-3)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(14)	NGC5256		RA: 13 38 17.5200 (204.5730000d) Dec: +48 16 37.00 (48.27694d) Equinox: J2000				V=13.4		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(14) NGC5256	WFC3/IR, MULTIACCUM, IR-FIX		F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC5256 (14) (2)	399.231646 Secs (1197.695 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	2		(14) NGC5256	WFC3/IR, MULTIACCUM, IR-FIX		F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC5256 (14) (2)	399.231646 Secs (1197.695 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	3		(14) NGC5256	WFC3/IR, MULTIACCUM, IR-FIX		F110W	NSAMP=9; SAMP-SEQ=SPARS10		Pattern 2, Exps 1-3 in NGC5256 (14) (2)	82.939995 Secs (248.82 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	



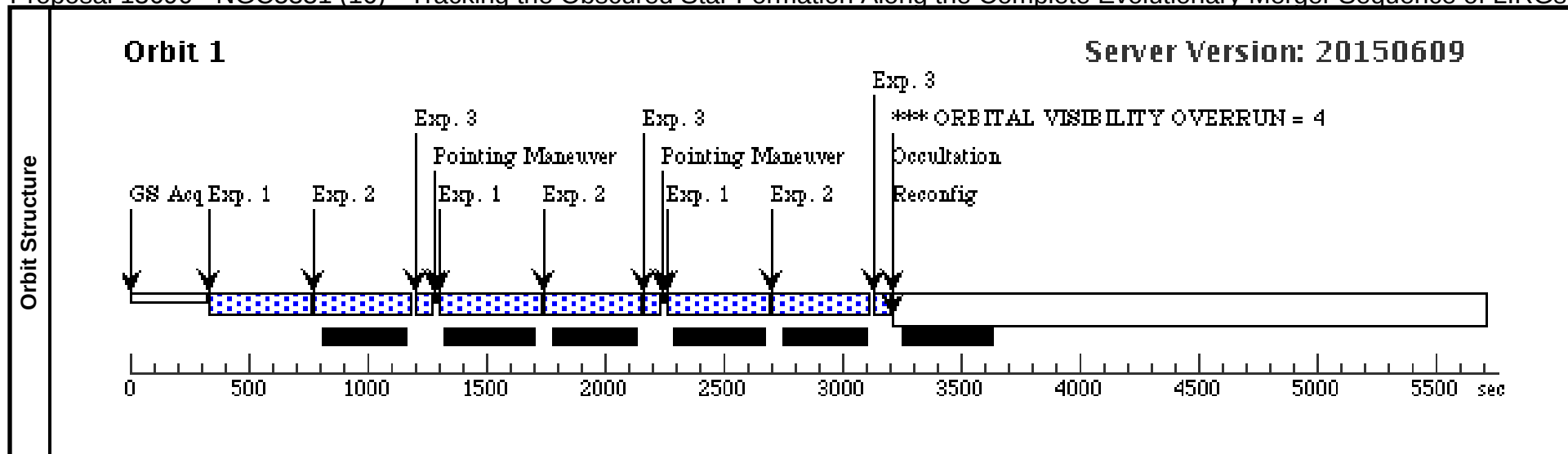
Proposal 13690 - NGC5257 (15) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, NGC5257 (15), completed										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 5D TO 30 D; ORIENT 100D TO 140 D; ORIENT 185D TO 210 D; ORIENT 280D TO 320 D										
Diagnostics	(NGC5257 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Coordinate Frame=POS-TARG Pattern Orientation=41.788 Purpose=DITHER Angle Between Sides= Number Of Points=3 Center Pattern=false Point Spacing=0.605 Line Spacing=								(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(15)	NGC5257	RA: 13 39 55.3839 (204.9807663d) Dec: +00 50 13.28 (.83702d) Equinox: J2000				V=12.9		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(15) NGC5257	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC5257 (15) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(15) NGC5257	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC5257 (15) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(15) NGC5257	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in NGC5257 (15) (2)	38.119783 Secs (114.359 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



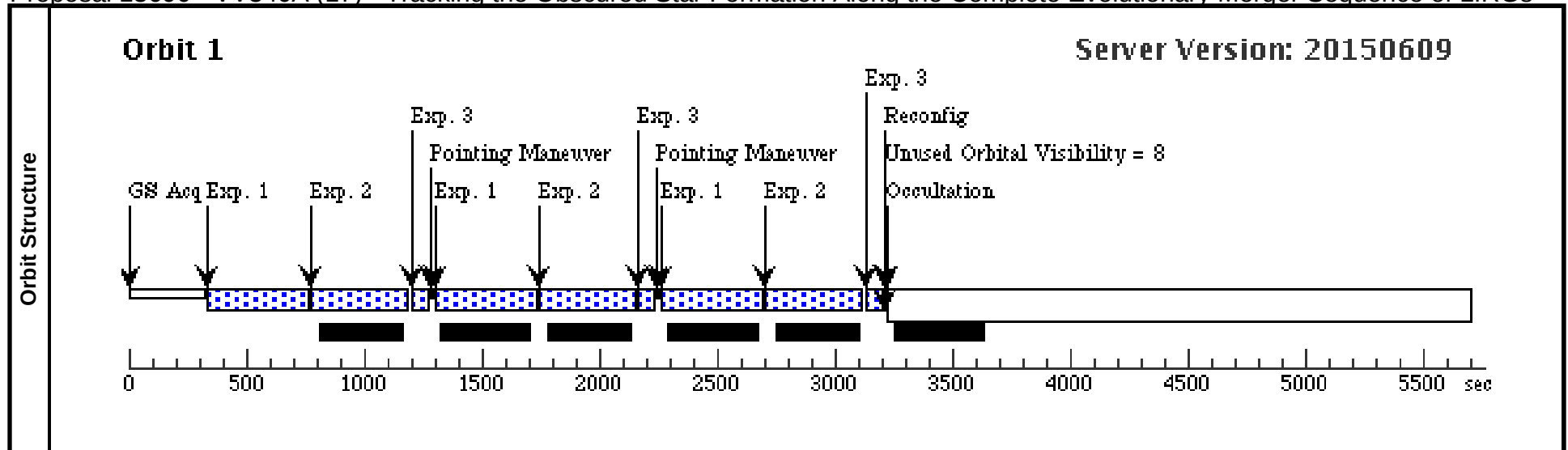
Proposal 13690 - NGC5331 (16) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, NGC5331 (16), completed										Sun Oct 18 01:05:53 GMT 2015			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/IR													
	Special Requirements: (none)													
Diagnostics	(NGC5331 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1-3)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(16)	NGC5331		RA: 13 52 16.3200 (208.0680000d) Dec: +02 06 18.00 (2.10500d) Equinox: J2000				V=13.9		Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the NED database.													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(16) NGC5331	WFC3/IR, MULTIACCUM, IR-FIX		F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC5331 (16) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		
	2		(16) NGC5331	WFC3/IR, MULTIACCUM, IR-FIX		F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC5331 (16) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		
	3		(16) NGC5331	WFC3/IR, MULTIACCUM, IR-FIX		F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in NGC5331 (16) (2)	38.119783 Secs (114.359 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		



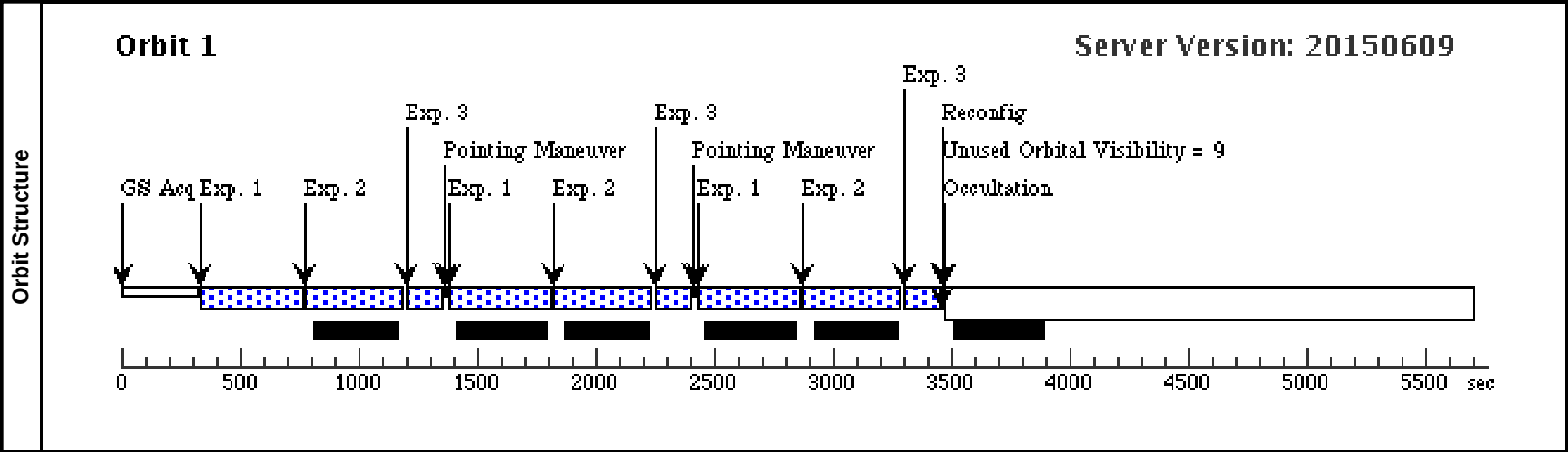
Proposal 13690 - VV340A (17) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, VV340A (17), completed										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(17)	VV340A	RA: 14 57 0.5210 (224.2521708d) Dec: +24 36 42.91 (24.61192d) Equinox: J2000				V=13.6		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(17) VV340A	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in VV340A (17) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(17) VV340A	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in VV340A (17) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(17) VV340A	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in VV340A (17) (2)	38.119783 Secs (114.359 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



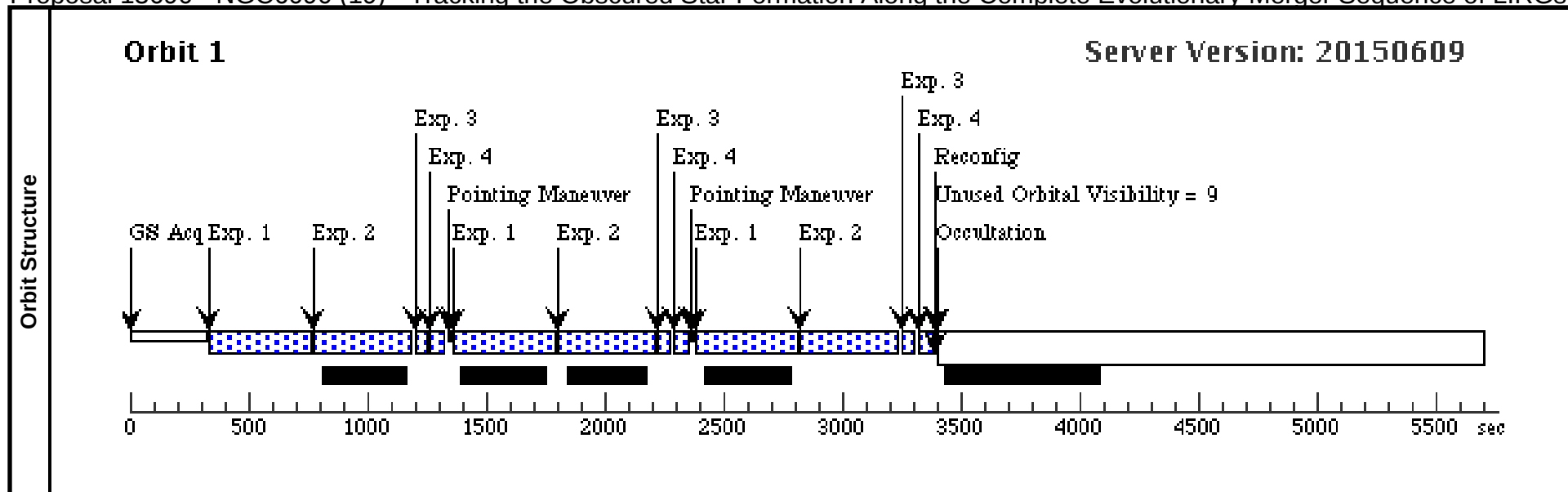
Proposal 13690 - ESO099-G004 (18) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of L...

Visit	Proposal 13690, ESO099-G004 (18), completed										Sun Oct 18 01:05:53 GMT 2015		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1-3)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(18)	ESO099-G004		RA: 15 24 58.1900 (231.2424583d) Dec: -63 07 34.20 (-63.12617d) Equinox: J2000				V=14.2		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(18) ESO099-G004	WFC3/IR, MULTIACCUM, IR-FIX		F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in ESO099-G004 (18) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	2		(18) ESO099-G004	WFC3/IR, MULTIACCUM, IR-FIX		F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in ESO099-G004 (18) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	3		(18) ESO099-G004	WFC3/IR, MULTIACCUM, IR-FIX		F110W	NSAMP=13; SAMP-SEQ=SPARS10		Pattern 2, Exps 1-3 in ESO099-G004 (18) (2)	122.943847 Secs (368.832 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	



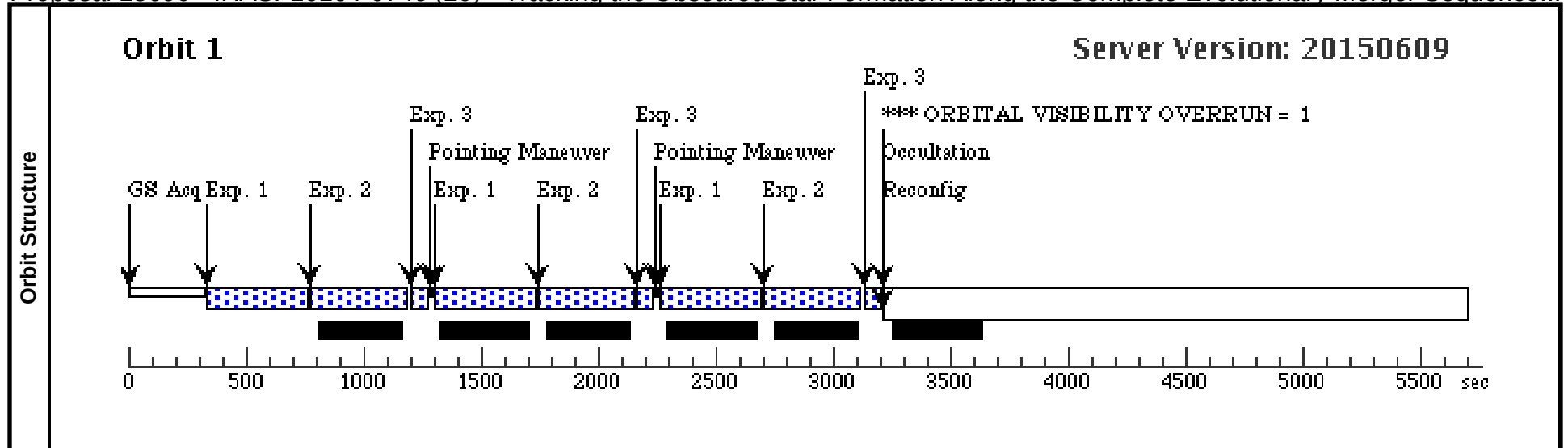
Proposal 13690 - NGC6090 (19) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, NGC6090 (19), completed										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-4)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(19)	NGC6090	RA: 16 11 40.6818 (242.9195075d) Dec: +52 27 25.77 (52.45716d) Equinox: J2000				V=14.0		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(19) NGC6090	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-4 i n NGC6090 (19) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(19) NGC6090	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP1 00		Pattern 2, Exps 1-4 i n NGC6090 (19) (2)	399.231646 Secs (1197.695 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(19) NGC6090	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=5; SAMP-SEQ=STEP2 5		Pattern 2, Exps 1-4 i n NGC6090 (19) (2)	24.229711 Secs (72.689 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	4		(19) NGC6090	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=5; SAMP-SEQ=SPAR S10		Pattern 2, Exps 1-4 i n NGC6090 (19) (2)	42.936143 Secs (128.808 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



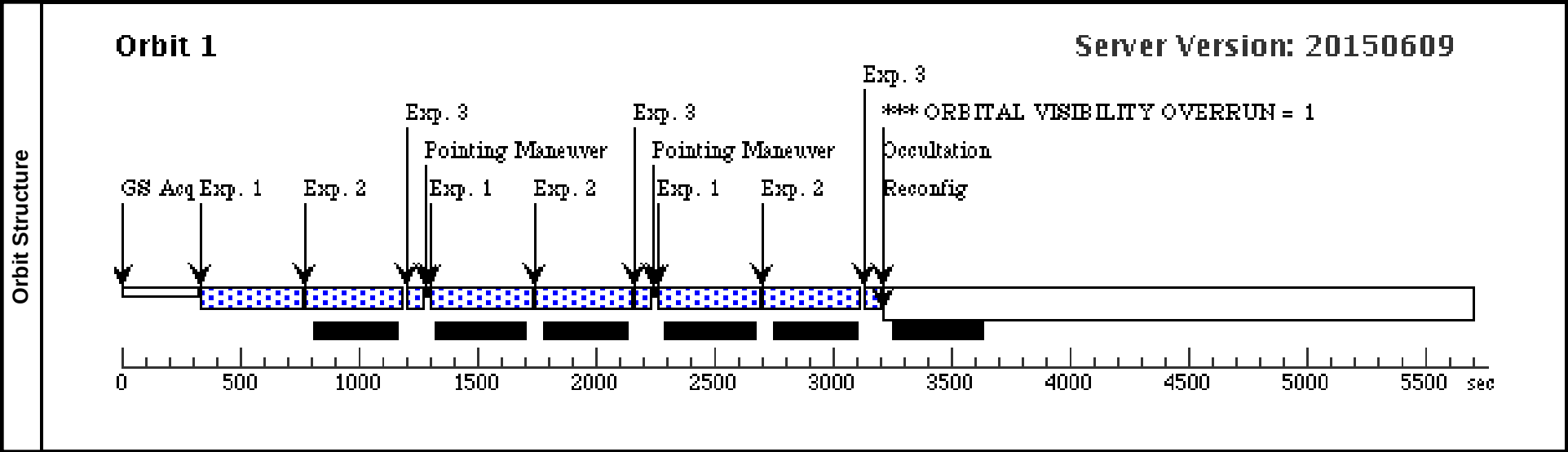
Proposal 13690 - IRASF16164-0746 (20) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence...

Visit	Proposal 13690, IRASF16164-0746 (20), completed										Sun Oct 18 01:05:53 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(IRASF16164-0746 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false									(1-3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(20)	IRASF16164-0746	RA: 16 19 11.7900 (244.7991250d) Dec: -07 54 2.80 (-7.90078d) Equinox: J2000				V=14.6		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(20) IRASF16164-0746	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRASF16164-0746 (20) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(20) IRASF16164-0746	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRASF16164-0746 (20) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(20) IRASF16164-0746	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in IRASF16164-0746 (20) (2)	38.119783 Secs (114.359 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



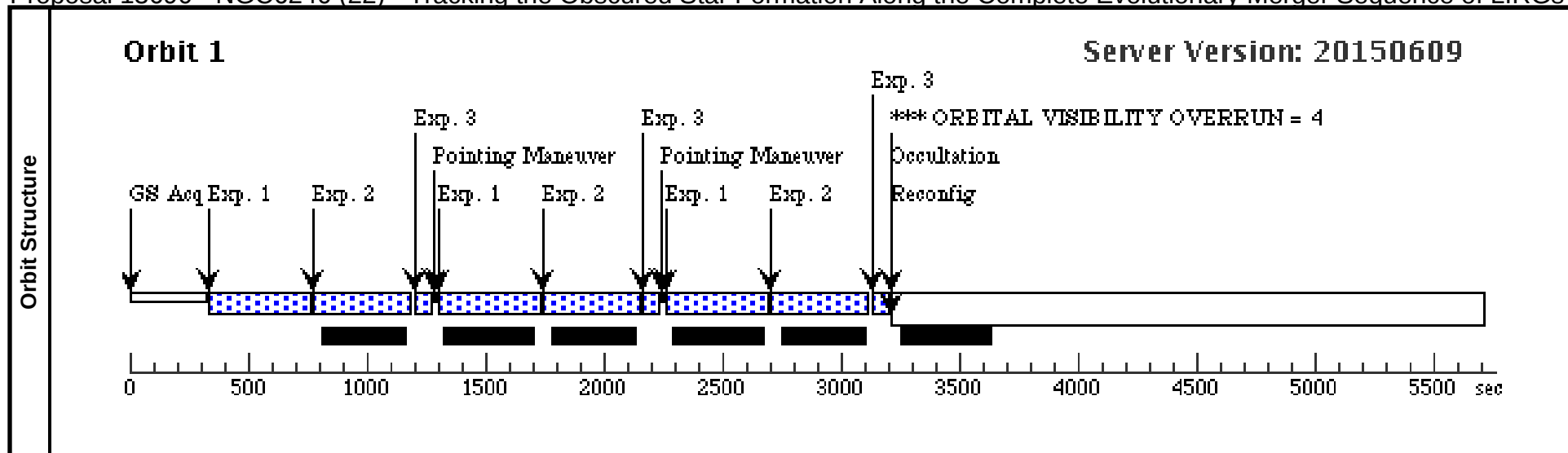
Proposal 13690 - IRAS16399-0937 (21) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence o...

Visit	Proposal 13690, IRAS16399-0937 (21), completed										Sun Oct 18 01:05:54 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(IRAS16399-0937 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false				(1-3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(21)	IRAS16399-0937	RA: 16 42 40.2100 (250.6675417d) Dec: -09 43 14.40 (-9.72067d) Equinox: J2000				V=14.0		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(21) IRAS16399-0937	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRAS16399-0937 (21) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(21) IRAS16399-0937	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRAS16399-0937 (21) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(21) IRAS16399-0937	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in IRAS16399-0937 (21) (2)	38.119783 Secs (114.359 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



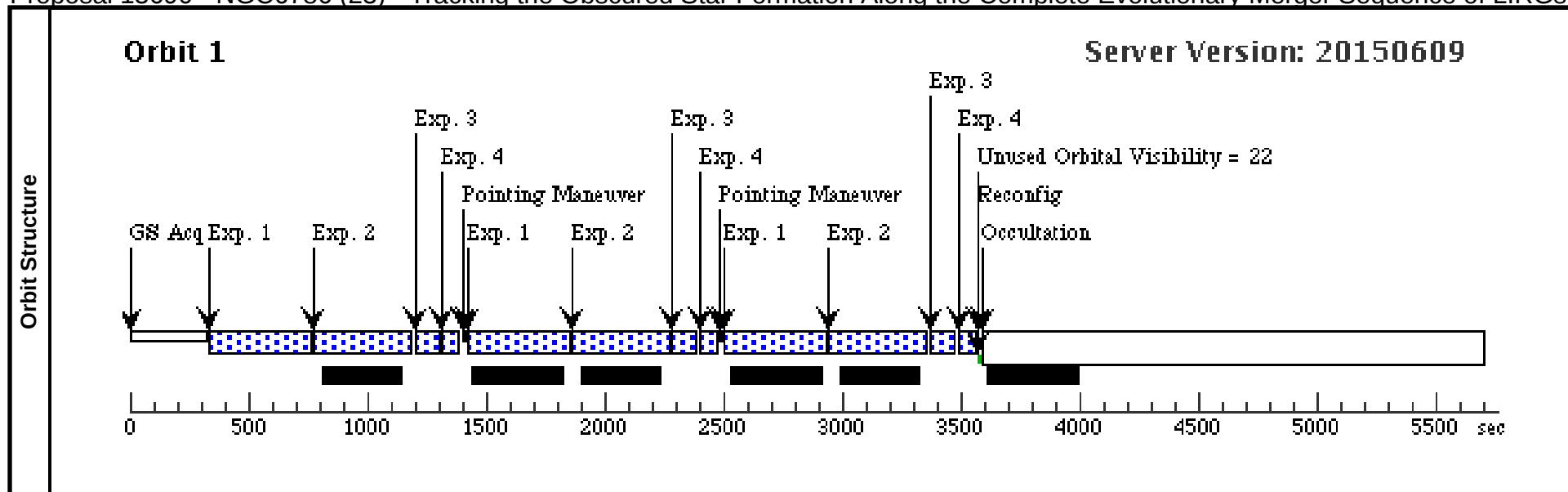
Proposal 13690 - NGC6240 (22) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, NGC6240 (22), completed										Sun Oct 18 01:05:54 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(NGC6240 (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false				(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(22)	NGC6240	RA: 16 52 58.9747 (253.2457279d) Dec: +02 24 1.90 (2.40053d) Equinox: J2000				V=12.9		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(22) NGC6240	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC6240 (22) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(22) NGC6240	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in NGC6240 (22) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(22) NGC6240	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=13; SAMP-SEQ=RAPID		Pattern 2, Exps 1-3 in NGC6240 (22) (2)	38.119783 Secs (114.359 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



Proposal 13690 - NGC6786 (23) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence of LIRGs

Visit	Proposal 13690, NGC6786 (23), completed										Sun Oct 18 01:05:54 GMT 2015		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: ORIENT 30D TO 140 D; ORIENT 210D TO 320 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1-4)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(23)	NGC6786	RA: 19 10 58.7925 (287.7449688d) Dec: +73 25 5.17 (73.41810d) Equinox: J2000						V=13.9		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(23) NGC6786	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=9; SAMP-SEQ=STEP200		Pattern 2, Exps 1-4 in NGC6786 (23) (2)	399.231067 Secs (1197.693 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		
	2		(23) NGC6786	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=9; SAMP-SEQ=STEP200		Pattern 2, Exps 1-4 in NGC6786 (23) (2)	399.231067 Secs (1197.693 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		
	3		(23) NGC6786	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=7; SAMP-SEQ=STEP25		Pattern 2, Exps 1-4 in NGC6786 (23) (2)	74.230741 Secs (222.692 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		
	4		(23) NGC6786	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=6; SAMP-SEQ=SPARS10		Pattern 2, Exps 1-4 in NGC6786 (23) (2)	52.937106 Secs (158.811 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		



Proposal 13690 - IRAS23436+5257 (24) - Tracking the Obscured Star Formation Along the Complete Evolutionary Merger Sequence ...

Visit	Proposal 13690, IRAS23436+5257 (24), completed										Sun Oct 18 01:05:54 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(IRAS23436+5257 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1-3)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(24)	IRAS23436+5257	RA: 23 46 5.4400 (356.5226667d) Dec: +53 14 1.70 (53.23381d) Equinox: J2000				V=14.5		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(24) IRAS23436+5257	WFC3/IR, MULTIACCUM, IR-FIX	F132N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRAS23436+5257 (24) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(24) IRAS23436+5257	WFC3/IR, MULTIACCUM, IR-FIX	F130N	NSAMP=10; SAMP-SEQ=STEP100		Pattern 2, Exps 1-3 in IRAS23436+5257 (24) (2)	399.231646 Secs (1197.695 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	3		(24) IRAS23436+5257	WFC3/IR, MULTIACCUM, IR-FIX	F110W	NSAMP=11; SAMP-SEQ=SPARS10		Pattern 2, Exps 1-3 in IRAS23436+5257 (24) (2)	102.941921 Secs (308.826 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]

