



14139 - Imaging Polarimetry of Light Echoes around SN 2014J

Cycle: 23, 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) SN-2014J	ACS/WFC	2	26-Sep-2015 21:06:48.0	yes
02	(1) SN-2014J	ACS/WFC	2	26-Sep-2015 21:06:51.0	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	(1) SN-2014J	ACS/WFC	2	26-Sep-2015 21:06:52.0	yes
04	(1) SN-2014J	ACS/WFC	2	26-Sep-2015 21:06:55.0	yes
05	(1) SN-2014J	ACS/WFC	2	26-Sep-2015 21:06:57.0	yes
06	(1) SN-2014J	ACS/WFC	2	26-Sep-2015 21:06:59.0	yes
07	(1) SN-2014J	ACS/WFC	2	26-Sep-2015 21:07:00.0	yes
08	(1) SN-2014J	ACS/WFC	2	26-Sep-2015 21:07:03.0	yes
A1	BIAS	ACS/WFC	1	26-Sep-2015 21:07:04.0	yes
A2	BIAS	ACS/WFC	1	26-Sep-2015 21:07:05.0	yes
A3	BIAS	ACS/WFC	1	26-Sep-2015 21:07:06.0	yes
A4	BIAS	ACS/WFC	1	26-Sep-2015 21:07:07.0	yes
B1	BIAS	ACS/WFC	1	26-Sep-2015 21:07:08.0	yes
B2	BIAS	ACS/WFC	1	26-Sep-2015 21:07:09.0	yes
B3	BIAS	ACS/WFC	1	26-Sep-2015 21:07:10.0	yes
B4	BIAS	ACS/WFC	1	26-Sep-2015 21:07:11.0	yes

24 Total Orbits Used

ABSTRACT

Because of the proximity of the Type Ia SN 2014J, HST can resolve light echoes from dust with an impact parameter of just a few light years. Only dust so close to the supernova can scatter light at large angles into the line of sight. Therefore, polarization of a light echo is an ambiguous criterion for the identification of nearby matter, and such large-angle scattering will induce maximum polarization $\sim 50\%$, which is not expected for double-degenerate progenitors. Polarized echoes also offer the unique opportunity to determine separately the extinction and scattering properties of the dust, opening the door to understanding the enigmatic extinction properties observed with many SNe Ia. Since high-polarization echoes arise from large-angle scattering, the involved dust must be on nearly the same celestial sphere as the SN. This enables a simple geometric absolute distance measurement. We aim at advancing all three of these important topics simultaneously through imaging polarimetry of SN 2014J at 4 epochs.

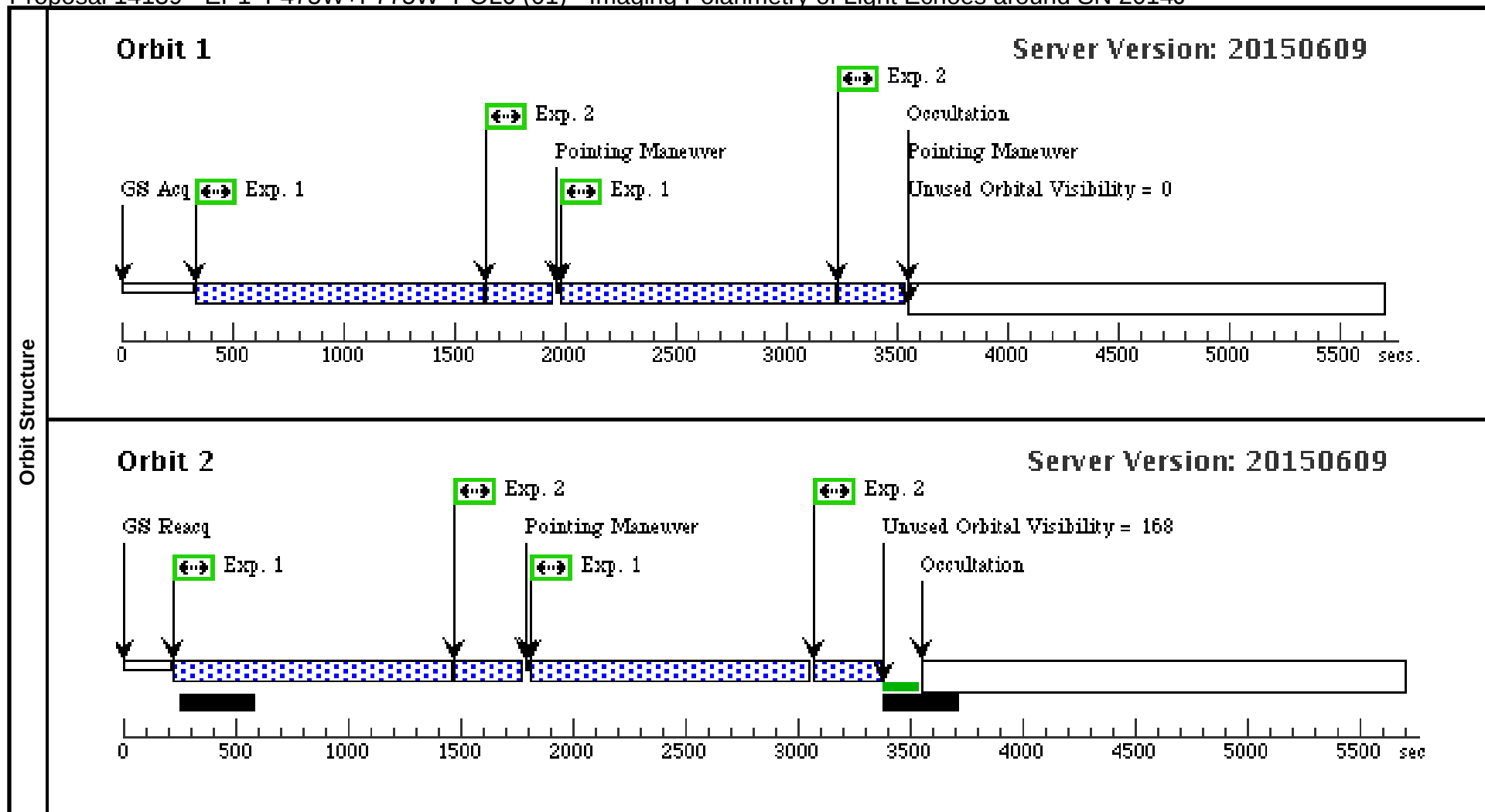
OBSERVING DESCRIPTION

This program attempts to acquire imaging polarization of SN2014J using ACS/WFC. In cycle 23, we intend to observe at two separate epochs at around Oct. 15, 2015, and Mar. 01, 2016. The polarization data will be observed in three filters: F475W, F606W, and F775W. For each filter three polarizers POL0V, POL120V, and POL60V are used to acquire a complete polarization data set. Multiple exposures are required for cosmic ray rejection. The position angle of the spacecraft shall be kept at either 112.222 or 292.222 degrees, to be consistent with our previous observations in #13717.

CALIBRATION ORBITS: As per STScI policy, 8 internal orbits have been added to this proposal for the purpose of obtaining subarray bias frames that are contemporaneous with the science observations. These internal orbits will be charged to STScI's Cycle 23 ACS Calibration Program, not to GO 14139. The ACS Instrument Team at STScI is responsible for producing superbias reference files from the bias frames obtained in this GO proposal.

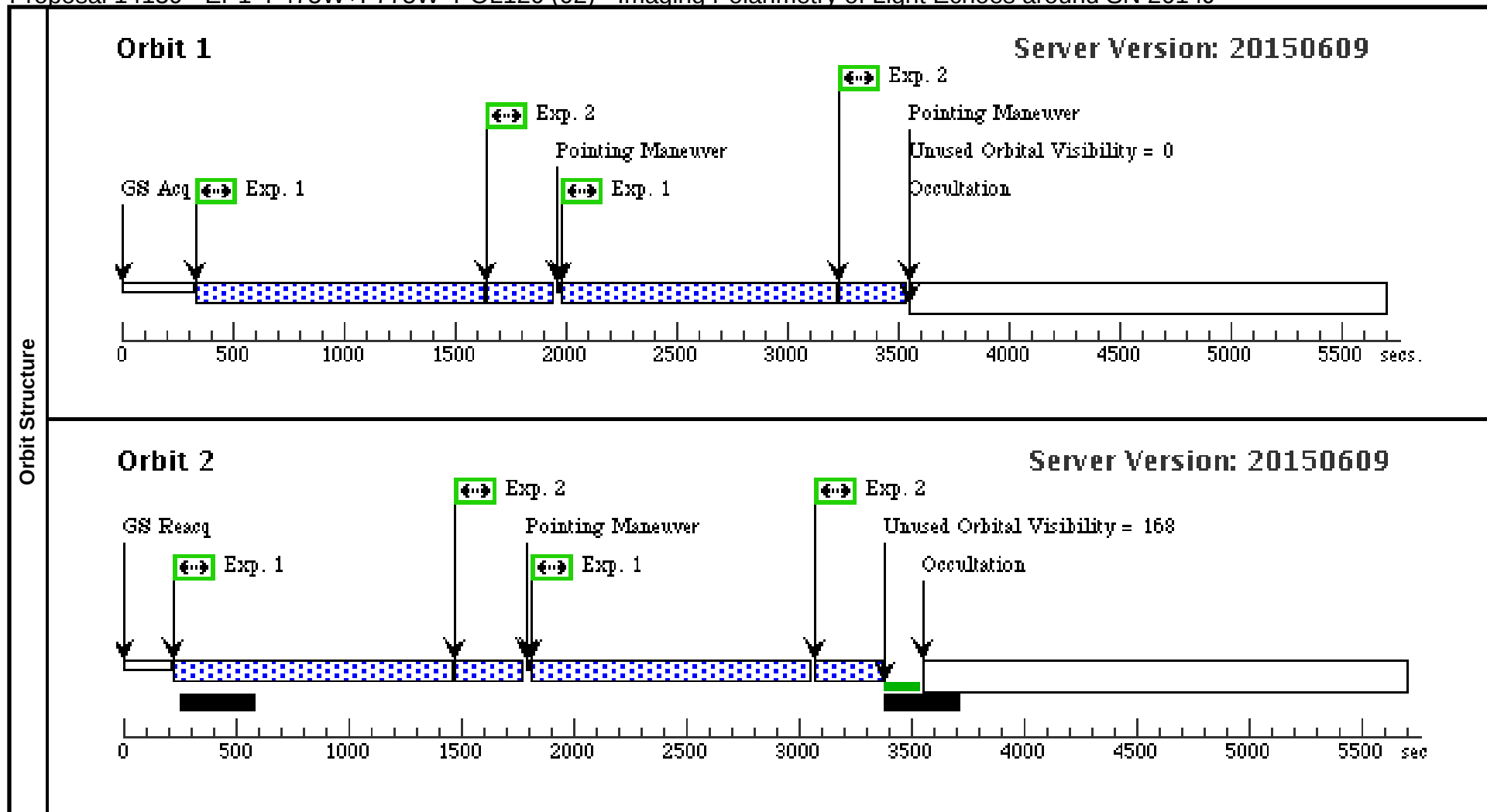
Proposal 14139 - EP1_F475W+F775W_POL0 (01) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP1_F475W+F775W_POL0 (01), scheduling										Sun Sep 27 01:07:12 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: ORIENT 292.2D TO 292.24 D; BETWEEN 23-OCT-2015:00:00:00 AND 15-NOV-2015:00:00:00; SEQ 01,02,03 WITHIN 9 Orbits										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SN-2014J	RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000		Radial Velocity: 203.00 km/sec		V=22+/-4		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.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	EP1_F475W_POL0	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F475W POL0V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL0 (01) (1)	1040 Secs (4160 Secs)		
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			
								[==>(Pattern 3)]		[2]	
								[==>(Pattern 4)]			
	2	EP1_F775W_POL0	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W POL0V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL0 (01) (1)	100 Secs (400 Secs)		
							[==>(Pattern 1)]		[1]		
							[==>(Pattern 2)]				
							[==>(Pattern 3)]		[2]		
							[==>(Pattern 4)]				



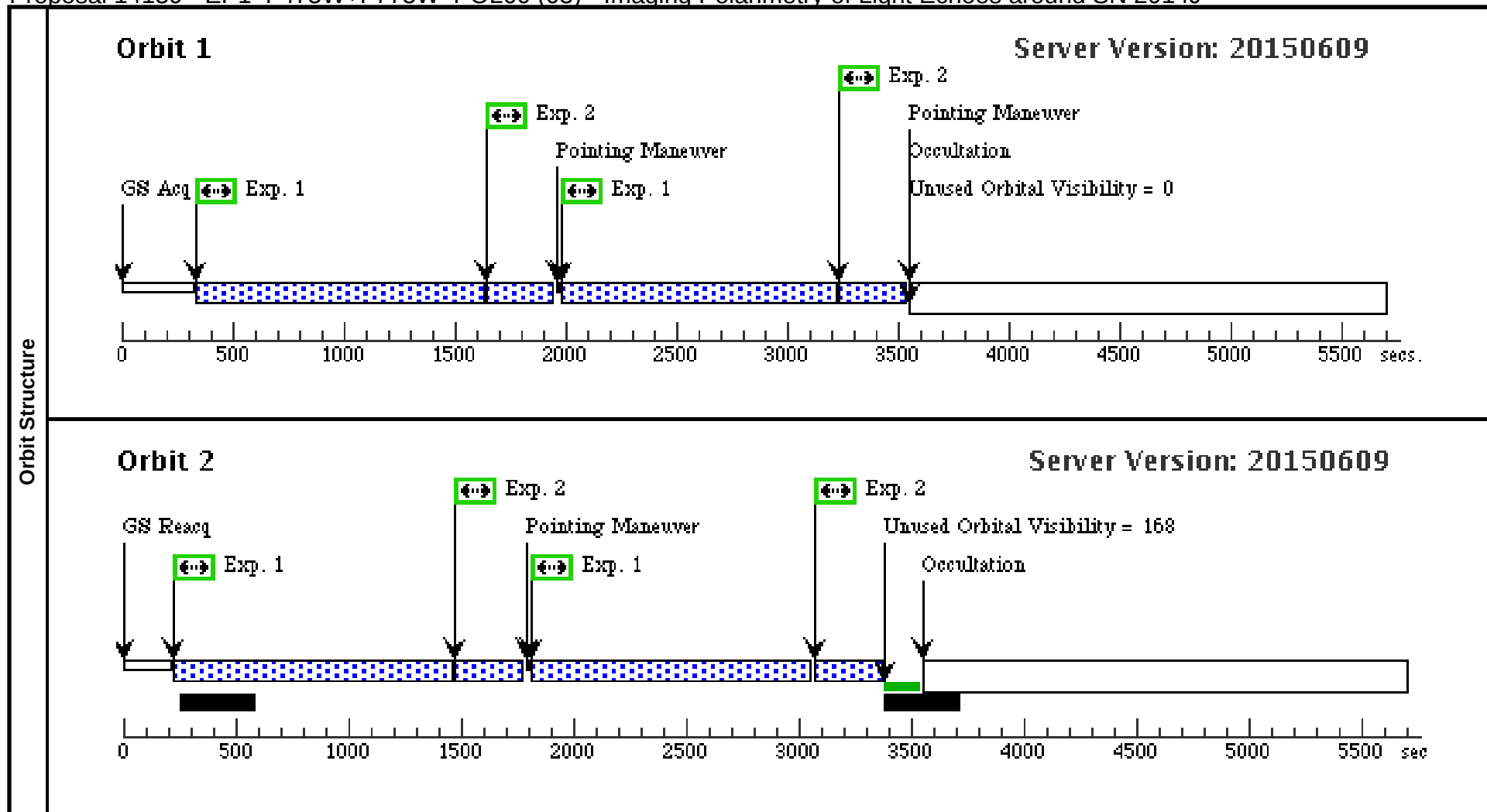
Proposal 14139 - EP1 F475W+F775W POL120 (02) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP1_F475W+F775W_POL120 (02), scheduling										Sun Sep 27 01:07:13 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01; SEQ 01,02,03 WITHIN 9 Orbits										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SN-2014J	RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000		Radial Velocity: 203.00 km/sec		V=22+/-4		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.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	EP1_F475W_POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F475W POL120V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL120 (02) (1)	1040 Secs (4160 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
									[==>(Pattern 3)]		[2]
									[==>(Pattern 4)]		
	2	EP1_F775W_POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W POL120V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL120 (02) (1)	100 Secs (400 Secs)		
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			
								[==>(Pattern 3)]		[2]	
								[==>(Pattern 4)]			



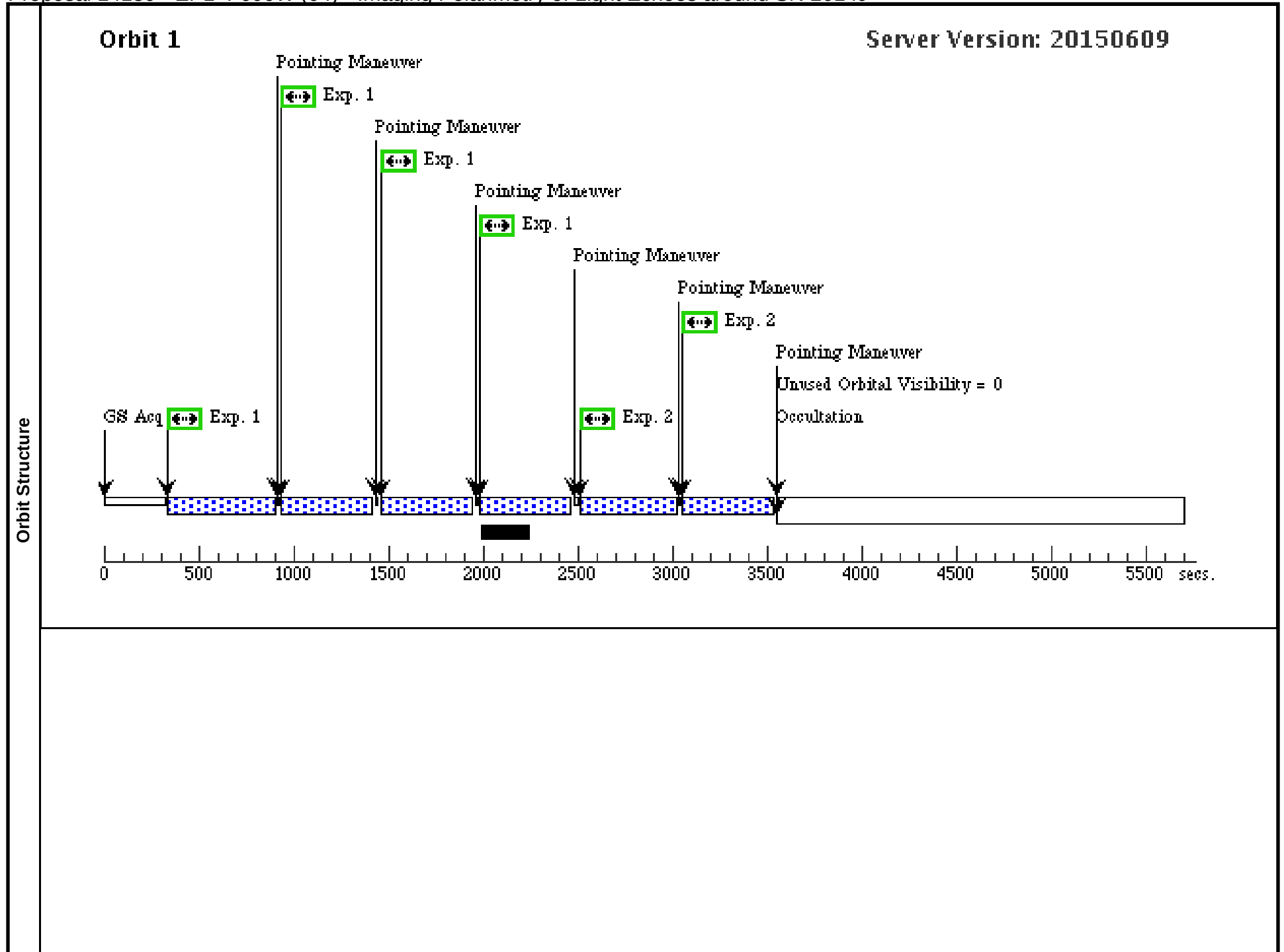
Proposal 14139 - EP1 F475W+F775W POL60 (03) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP1_F475W+F775W_POL60 (03), scheduling										Sun Sep 27 01:07:13 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 01; SEQ 01,02,03 WITHIN 9 Orbits										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SN-2014J	RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000		Radial Velocity: 203.00 km/sec		V=22+/-4		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.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	EP1_F475W (1) SN-2014J_POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F475W POL60V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL60 (03) (1)	1040 Secs (4160 Secs)		
								[==>(Pattern 1)]		[1]	
								[==>(Pattern 2)]			
								[==>(Pattern 3)]		[2]	
								[==>(Pattern 4)]			
	2	EP1_F775W (1) SN-2014J_POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W POL60V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL60 (03) (1)	100 Secs (400 Secs)		
								[==>(Pattern 1)]		[1]	
							[==>(Pattern 2)]				
							[==>(Pattern 3)]		[2]		
							[==>(Pattern 4)]				



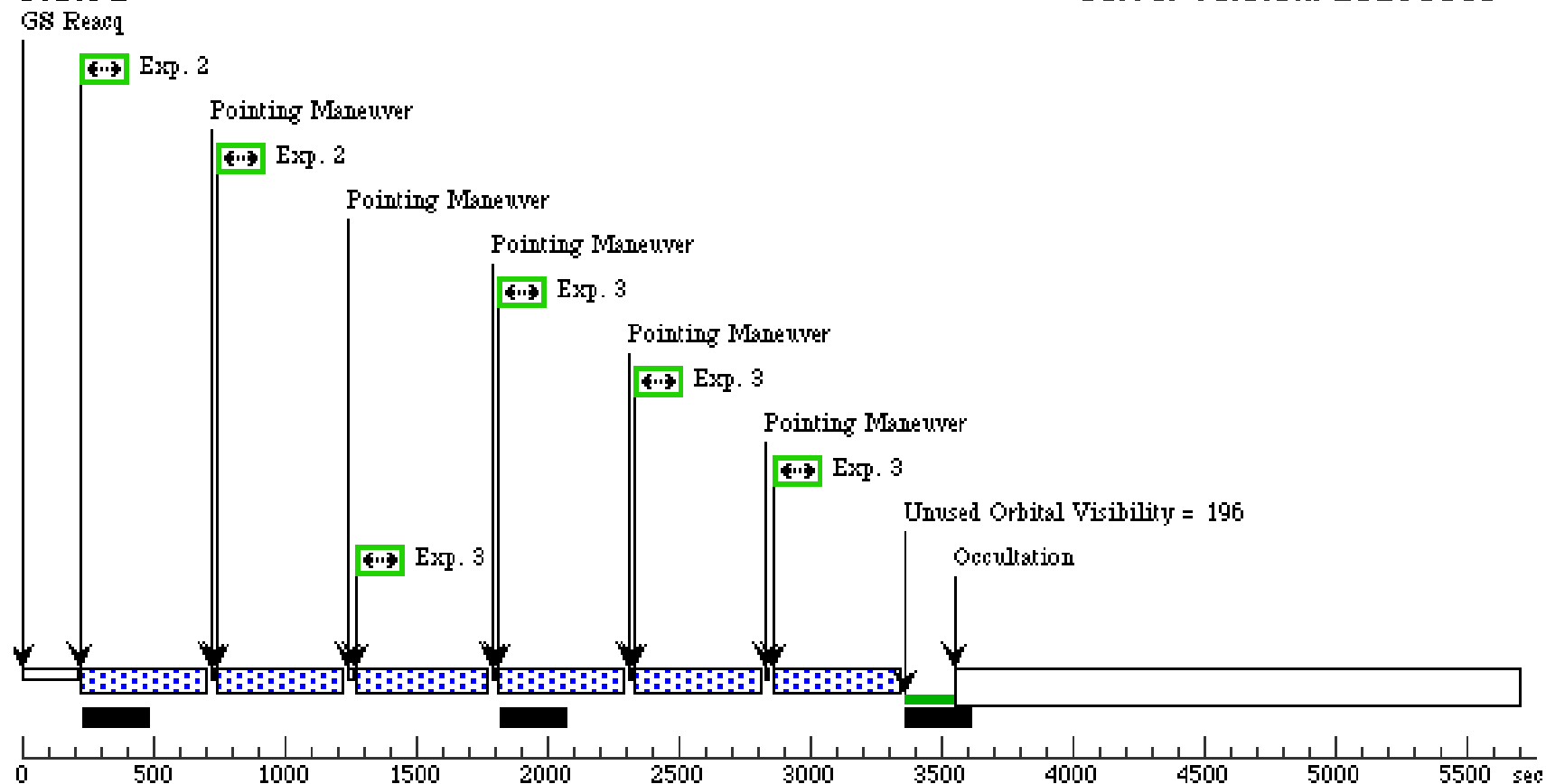
Proposal 14139 - EP1_F606W (04) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP1_F606W (04), scheduling										Sun Sep 27 01:07:13 GMT 2015	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 0 D TO 2 D											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	SN-2014J	RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000		Radial Velocity: 203.00 km/sec		V=22+/-4		Reference Frame: SIMBAD			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.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	EP1_F606W _POL0	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F606W POL0V			Pattern 1, Exps 1-1 in EP1_F606W (04) (1)	311 Secs (1244 Secs)		
										[==>(Pattern 1)]		
										[==>(Pattern 2)]		
										[==>(Pattern 3)]		
										[==>(Pattern 4)]		[1]
	2	EP1_F606W _POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F606W POL120V			Pattern 1, Exps 2-2 in EP1_F606W (04) (1)	311 Secs (1244 Secs)		
										[==>(Pattern 1)]		
										[==>(Pattern 2)]		[1]
										[==>(Pattern 3)]		
									[==>(Pattern 4)]		[2]	
3	EP1_F606W _POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F606W POL60V				Pattern 1, Exps 3-3 in EP1_F606W (04) (1)	311 Secs (1244 Secs)		
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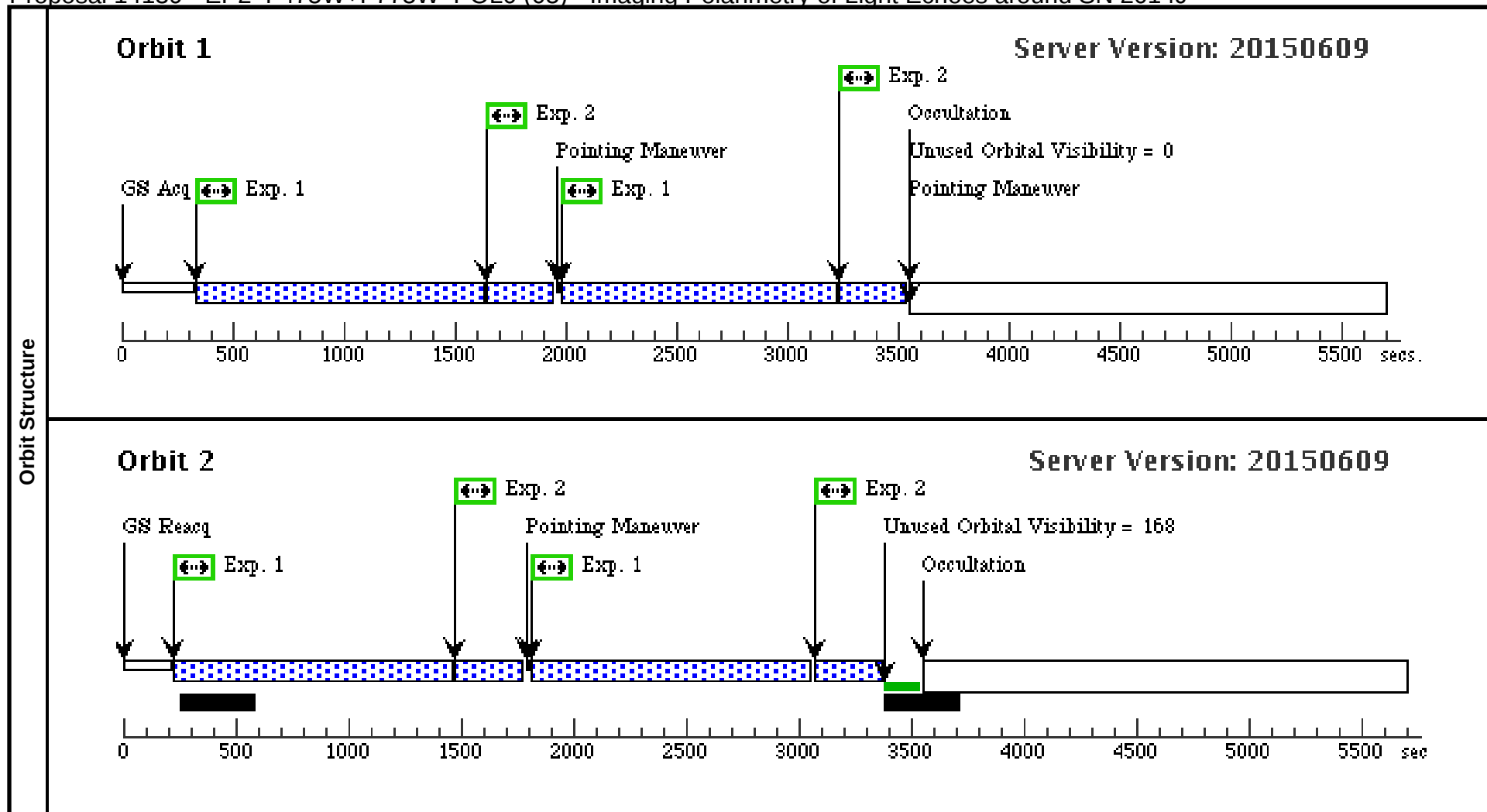
Orbit 2

Server Version: 20150609



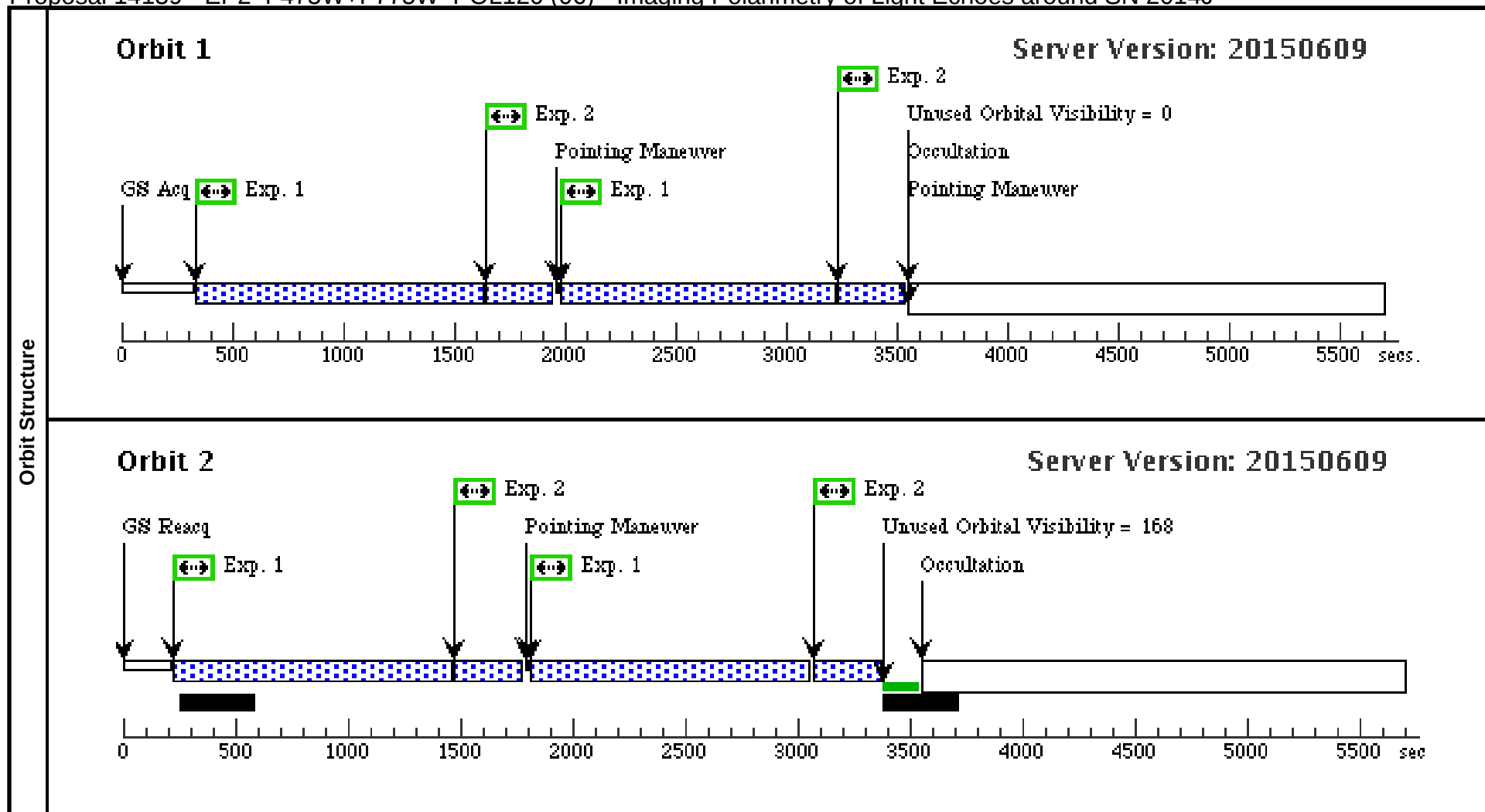
Proposal 14139 - EP2 F475W+F775W POL0 (05) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP2_F475W+F775W_POL0 (05), scheduling										Sun Sep 27 01:07:13 GMT 2015	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: ORIENT 112.2D TO 112.24 D; BETWEEN 15-MAR-2016:00:00:00 AND 15-APR-2016:00:00:00; SEQ 05,06,07 WITHIN 9 Orbits											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						(1-2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	SN-2014J	RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000		Radial Velocity: 203.00 km/sec		V=22+/-4		Reference Frame: SIMBAD			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.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	EP1_F475W _POL0	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F475W POL0V			Pattern 1, Exps 1-2 in EP2_F475W+F775W_POL0 (05) (1)	1040 Secs (4160 Secs)		
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			
									[==>(Pattern 3)]		[2]	
									[==>(Pattern 4)]			
	2	EP1_F775W _POL0	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F775W POL0V			Pattern 1, Exps 1-2 in EP2_F475W+F775W_POL0 (05) (1)	100 Secs (400 Secs)		
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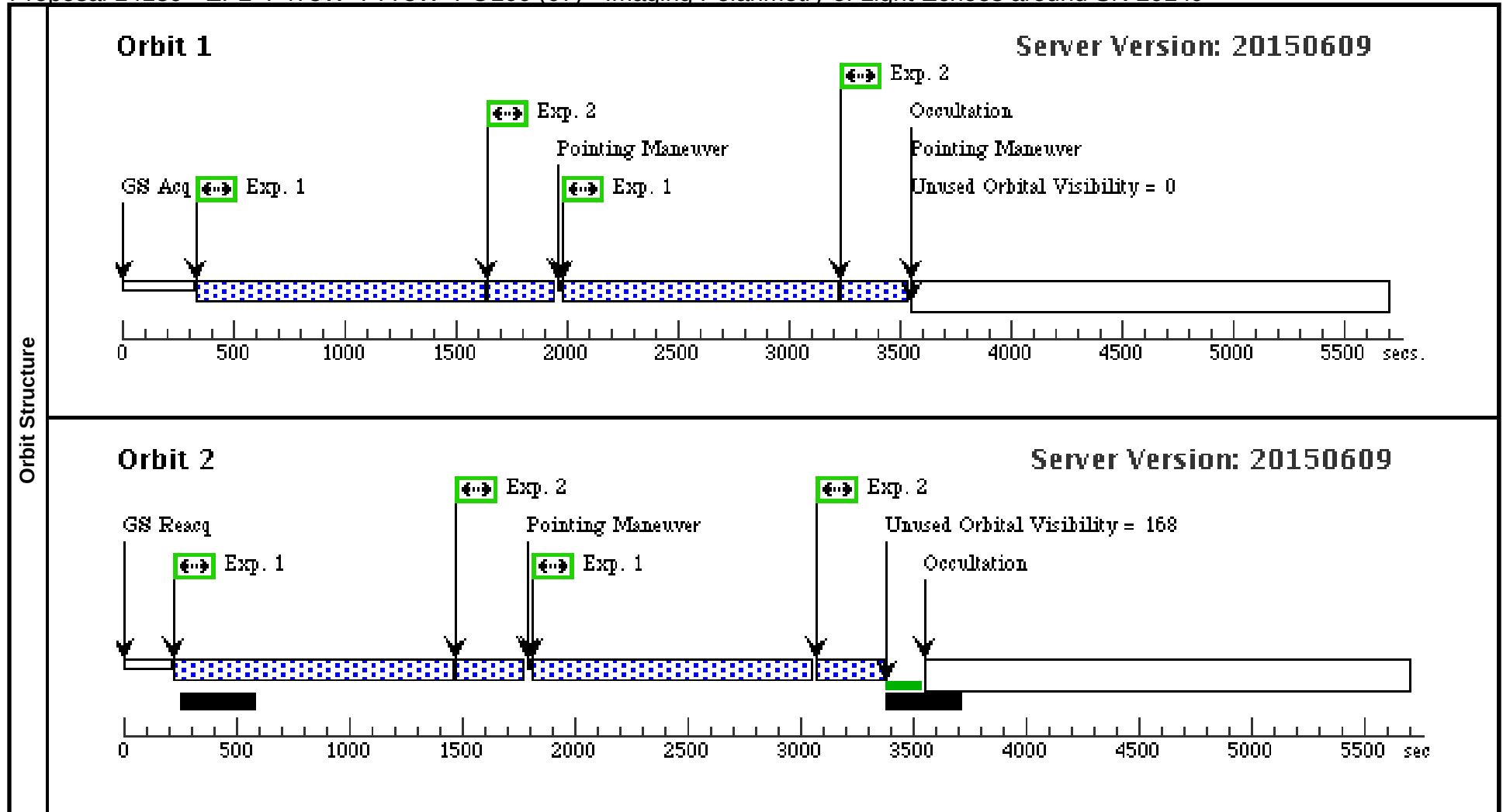
Proposal 14139 - EP2 F475W+F775W POL120 (06) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP2_F475W+F775W_POL120 (06), scheduling										Sun Sep 27 01:07:14 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC										
	Special Requirements: SAME ORIENT AS 05; SEQ 05,06,07 WITHIN 9 Orbits										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SN-2014J	RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000		Radial Velocity: 203.00 km/sec		V=22+/-4		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.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	EP1_F475W_POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F475W POL120V			Pattern 1, Exps 1-2 in EP2_F475W+F775W_POL120 (06) (1)	1040 Secs (4160 Secs)		
								[==>(Pattern 1)]			[1]
								[==>(Pattern 2)]			
								[==>(Pattern 3)]			[2]
								[==>(Pattern 4)]			
	2	EP1_F775W_POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W POL120V			Pattern 1, Exps 1-2 in EP2_F475W+F775W_POL120 (06) (1)	100 Secs (400 Secs)		
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								[==>(Pattern 4)]			



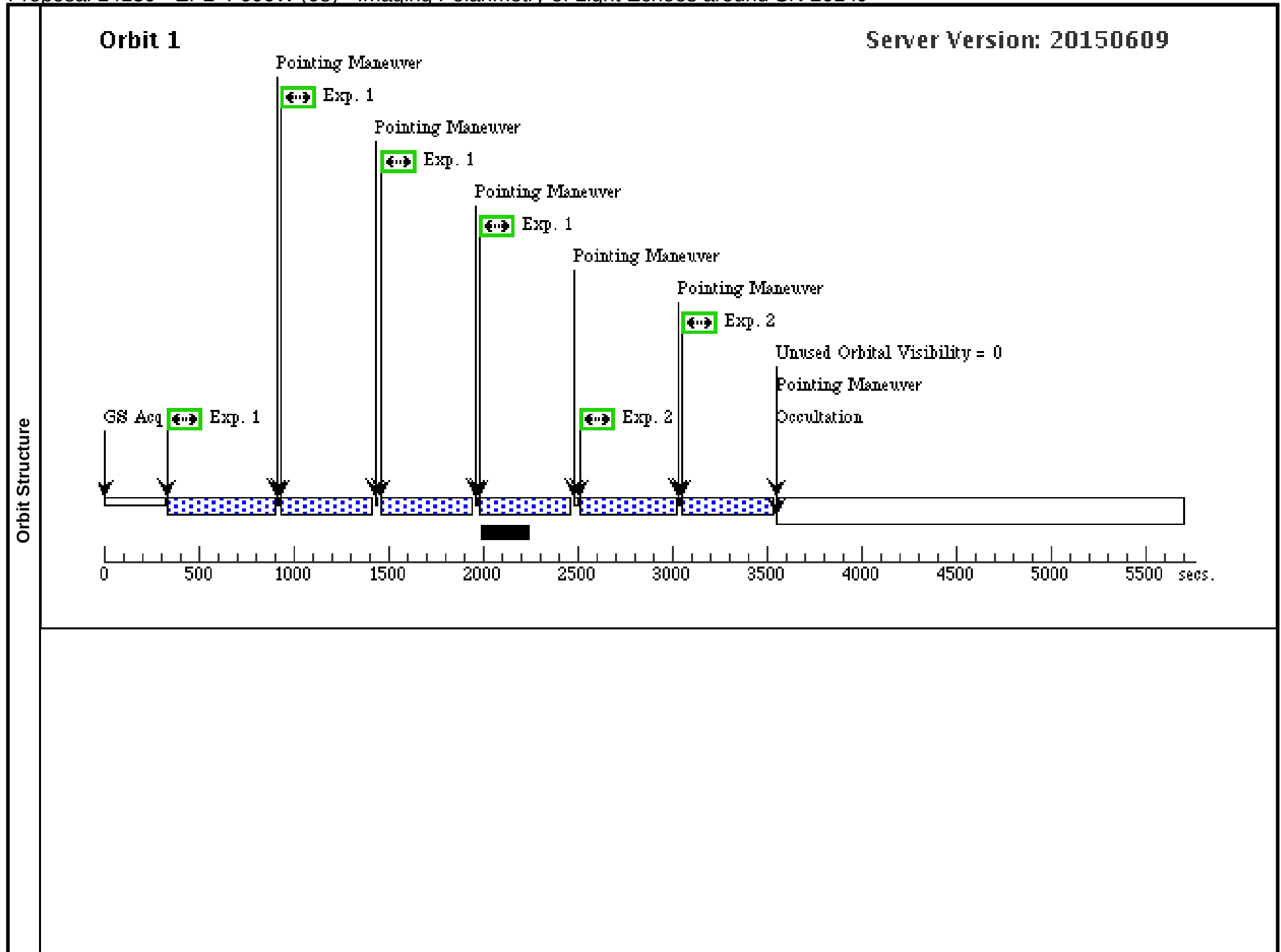
Proposal 14139 - EP2 F475W+F775W POL60 (07) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP2_F475W+F775W_POL60 (07), scheduling										Sun Sep 27 01:07:14 GMT 2015	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 05; SEQ 05,06,07 WITHIN 9 Orbits											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						(1-2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	SN-2014J	RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000		Radial Velocity: 203.00 km/sec		V=22+/-4		Reference Frame: SIMBAD			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.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	EP1_F475W_POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F475W POL60V			Pattern 1, Exps 1-2 in EP2_F475W+F775W_POL60 (07) (1)	1040 Secs (4160 Secs)		
									[==>(Pattern 1)]		[1]	
									[==>(Pattern 2)]			
									[==>(Pattern 3)]		[2]	
									[==>(Pattern 4)]			
	2	EP1_F775W_POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F775W POL60V			Pattern 1, Exps 1-2 in EP2_F475W+F775W_POL60 (07) (1)	100 Secs (400 Secs)		
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								[==>(Pattern 2)]				
								[==>(Pattern 3)]		[2]		
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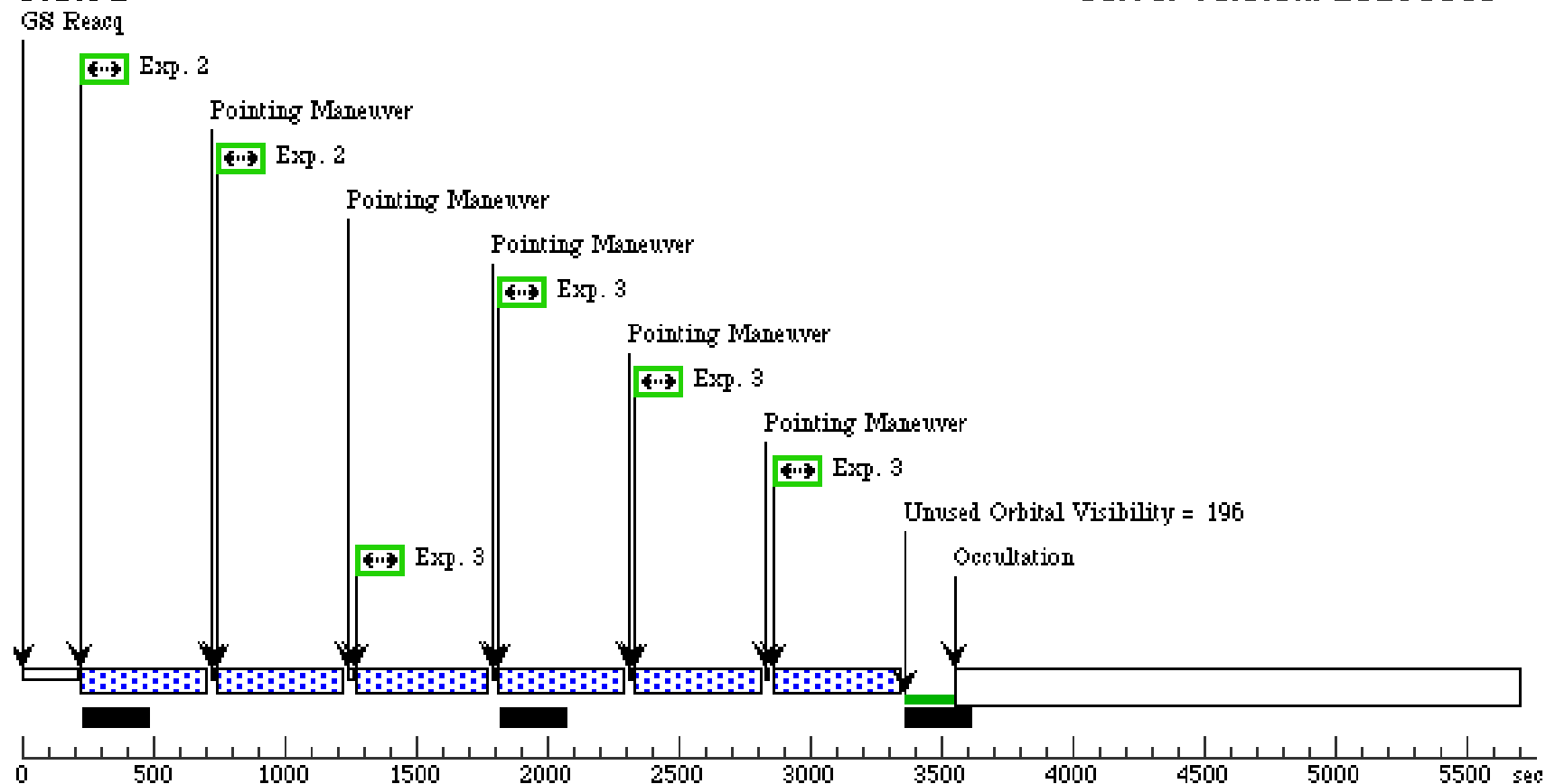
Proposal 14139 - EP2_F606W (08) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP2_F606W (08), scheduling										Sun Sep 27 01:07:14 GMT 2015	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: SAME ORIENT AS 05; AFTER 05 BY 0 D TO 2 D											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=85.28 Angle Between Sides= Center Pattern=false						(1), (2), (3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	SN-2014J	RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000		Radial Velocity: 203.00 km/sec		V=22+/-4		Reference Frame: SIMBAD			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.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	EP1_F606W _POL0	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F606W POL0V			Pattern 1, Exps 1-1 in EP2_F606W (08) (1)	311 Secs (1244 Secs)		
										[==>(Pattern 1)]		
										[==>(Pattern 2)]		
										[==>(Pattern 3)]		
										[==>(Pattern 4)]		[1]
	2	EP1_F606W _POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F606W POL120V			Pattern 1, Exps 2-2 in EP2_F606W (08) (1)	311 Secs (1244 Secs)		
										[==>(Pattern 1)]		
										[==>(Pattern 2)]		[1]
										[==>(Pattern 3)]		
									[==>(Pattern 4)]		[2]	
3	EP1_F606W _POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1		F606W POL60V				Pattern 1, Exps 3-3 in EP2_F606W (08) (1)	311 Secs (1244 Secs)		
										[==>(Pattern 1)]		
										[==>(Pattern 2)]		
										[==>(Pattern 3)]		
										[==>(Pattern 4)]		[2]



Orbit 2

Server Version: 20150609



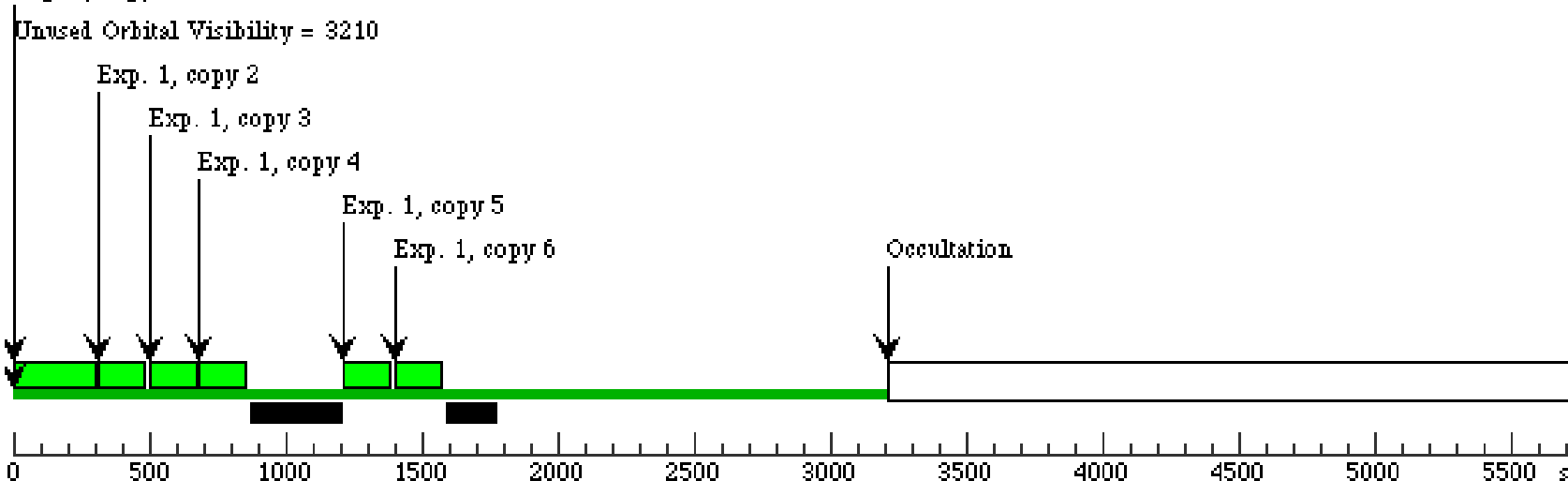
Proposal 14139 - EP1_WFC1-2K_BIAS (A1) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP1_WFC1-2K_BIAS (A1) Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: SEQ A1,A2,A3,A4 WITHIN 1 D										Sun Sep 27 01:07:14 GMT 2015
Diagnostics	(Exposure 1 (EP1_WFC1-2K_BIAS (A1))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal. (Exposure 1 (EP1_WFC1-2K_BIAS (A1))) Error (Form): COMPRESSION is not a valid selection (Exposure 1 (EP1_WFC1-2K_BIAS (A1))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal. (Exposure 1 (EP1_WFC1-2K_BIAS (A1))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal. (Exposure 1 (EP1_WFC1-2K_BIAS (A1))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal. (Exposure 1 (EP1_WFC1-2K_BIAS (A1))) Error (Form): Illegal selection: DEF. (Exposure 1 (EP1_WFC1-2K_BIAS (A1))) Error (Form): Target BIAS is no longer a valid selection										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]	[1]	
Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.											
Orbit Structure	Orbit 1 Server Version: 20150609 Exp. 1, copy 1 Unused Orbital Visibility = 3210 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Exp. 1, copy 5 Exp. 1, copy 6 Occultation										

Proposal 14139 - EP1_WFC1-2K_BIAS (A2) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP1_WFC1-2K_BIAS (A2) Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: (none)									
Diagnostics	(Exposure 1 (EP1_WFC1-2K_BIAS (A2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal. (Exposure 1 (EP1_WFC1-2K_BIAS (A2))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal. (Exposure 1 (EP1_WFC1-2K_BIAS (A2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal. (Exposure 1 (EP1_WFC1-2K_BIAS (A2))) Error (Form): Illegal selection: DEF. (Exposure 1 (EP1_WFC1-2K_BIAS (A2))) Error (Form): COMPRESSION is not a valid selection (Exposure 1 (EP1_WFC1-2K_BIAS (A2))) Error (Form): Target BIAS is no longer a valid selection (Exposure 1 (EP1_WFC1-2K_BIAS (A2))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]	[1]
	Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.									
Orbit Structure	Orbit 1 Exp. 1, copy 1 Unused Orbital Visibility = 3210 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Exp. 1, copy 5 Exp. 1, copy 6 Occultation 05001000150020002500300035004000450050005500sec Server Version: 20150609									

Proposal 14139 - EP1_WFC1-2K_BIAS (A3) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP1_WFC1-2K_BIAS (A3)										Sun Sep 27 01:07:14 GMT 2015
	Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: (none)										
Diagnostics	(Exposure 1 (EP1_WFC1-2K_BIAS (A3))) Error (Form): Illegal selection: DEF.										
	(Exposure 1 (EP1_WFC1-2K_BIAS (A3))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.										
	(Exposure 1 (EP1_WFC1-2K_BIAS (A3))) Error (Form): Target BIAS is no longer a valid selection										
	(Exposure 1 (EP1_WFC1-2K_BIAS (A3))) Error (Form): COMPRESSION is not a valid selection										
	(Exposure 1 (EP1_WFC1-2K_BIAS (A3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.										
	(Exposure 1 (EP1_WFC1-2K_BIAS (A3))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.										
	(Exposure 1 (EP1_WFC1-2K_BIAS (A3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]	[1]	
Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.											
Orbit Structure	Orbit 1 Exp. 1, copy 1 Unused Orbital Visibility = 3210 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Exp. 1, copy 5 Exp. 1, copy 6 Occultation  0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec										Server Version: 20150609

Proposal 14139 - EP1_WFC1-2K_BIAS (A4) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit

Proposal 14139, EP1_WFC1-2K_BIAS (A4)
Diagnostic Status: Error
Scientific Instruments: ACS/WFC
Special Requirements: GROUP A4,01,02,03,04 WITHIN 14D

Diagnostics

(Exposure 1 (EP1_WFC1-2K_BIAS (A4))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION
The combination of attributes chosen is illegal.
(Exposure 1 (EP1_WFC1-2K_BIAS (A4))) Error (Form): Illegal selection: DEF.
(Exposure 1 (EP1_WFC1-2K_BIAS (A4))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS
It is an Available option and cannot normally be used in a GO proposal.
(Exposure 1 (EP1_WFC1-2K_BIAS (A4))) Error (Form): COMPRESSION is not a valid selection
(Exposure 1 (EP1_WFC1-2K_BIAS (A4))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF
This value is by default illegal.
(Exposure 1 (EP1_WFC1-2K_BIAS (A4))) Error (Form): Target BIAS is no longer a valid selection
(Exposure 1 (EP1_WFC1-2K_BIAS (A4))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE
The combination of attributes chosen is illegal.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]	[1]

Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3210

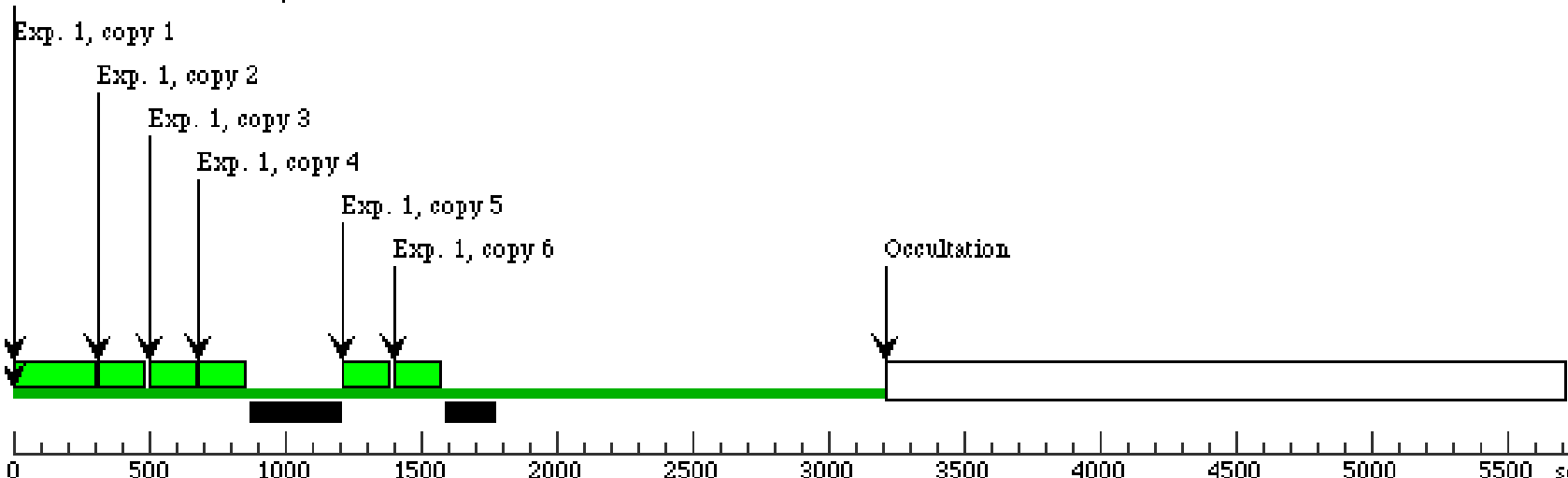
Server Version: 20150609

Proposal 14139 - EP2_WFC1-2K_BIAS (B1) - Imaging Polarimetry of Light Echoes around SN 2014J

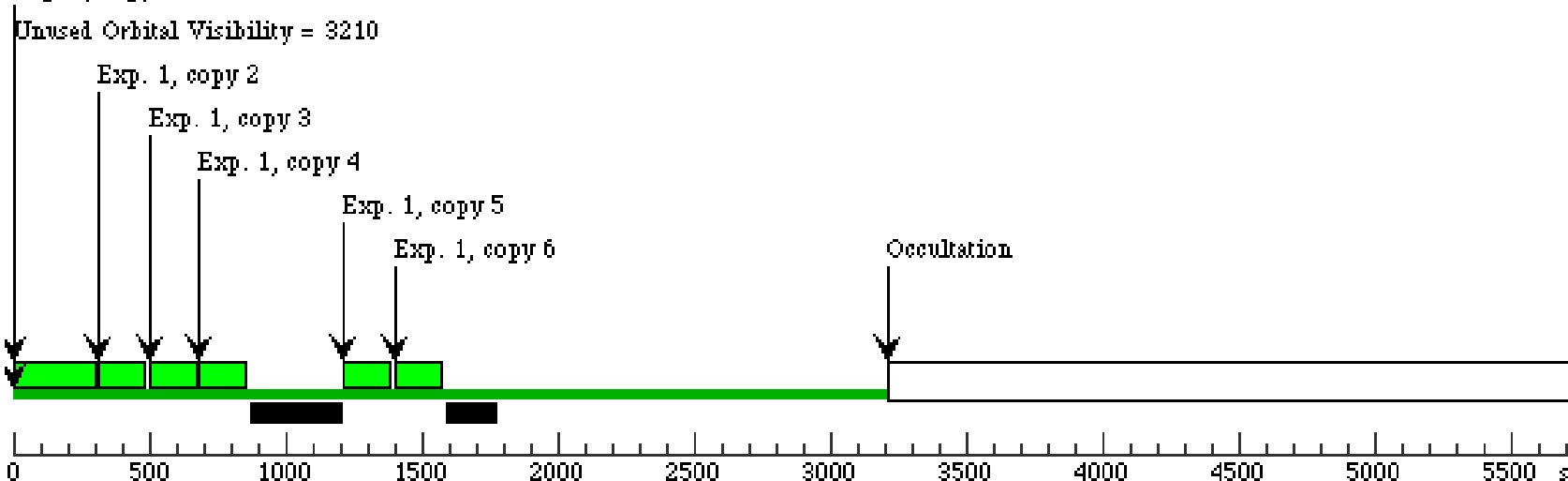
Visit	Proposal 14139, EP2_WFC1-2K_BIAS (B1)										Sun Sep 27 01:07:15 GMT 2015
	Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: SEQ B1,B2,B3,B4 WITHIN 1 D										
Diagnostics	(Exposure 1 (EP2_WFC1-2K_BIAS (B1))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B1))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B1))) Error (Form): Target BIAS is no longer a valid selection										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B1))) Error (Form): COMPRESSION is not a valid selection										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B1))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.										
Exposures	(Exposure 1 (EP2_WFC1-2K_BIAS (B1))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B1))) Error (Form): Illegal selection: DEF.										
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]	[1]		
Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.											
Orbit Structure	Orbit 1 Exp. 1, copy 1 Unused Orbital Visibility = 3210 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Exp. 1, copy 5 Exp. 1, copy 6 Occultation										
	Server Version: 20150609										

Proposal 14139 - EP2_WFC1-2K_BIAS (B2) - Imaging Polarimetry of Light Echoes around SN 2014J

Sun Sep 27 01:07:15 GMT 2015

Visit	Proposal 14139, EP2_WFC1-2K_BIAS (B2)										Sun Sep 27 01:07:15 GMT 2015
	Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: (none)										
Diagnostics	(Exposure 1 (EP2_WFC1-2K_BIAS (B2))) Error (Form): COMPRESSION is not a valid selection										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B2))) Error (Form): Illegal selection: DEF.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B2))) Error (Form): Target BIAS is no longer a valid selection										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B2))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.										
Exposures	(Exposure 1 (EP2_WFC1-2K_BIAS (B2))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.										
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs)		
									[==>(Copy 1)]		[1]
									[==>(Copy 2)]		
									[==>(Copy 3)]		
								[==>(Copy 4)]			
								[==>(Copy 5)]			
								[==>(Copy 6)]			
Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.											
Orbit Structure	Orbit 1 Unused Orbital Visibility = 3210 Exp. 1, copy 1 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Exp. 1, copy 5 Exp. 1, copy 6 Occultation 										
	Server Version: 20150609										

Proposal 14139 - EP2_WFC1-2K_BIAS (B3) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP2_WFC1-2K_BIAS (B3)										Sun Sep 27 01:07:15 GMT 2015
	Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: (none)										
Diagnostics	(Exposure 1 (EP2_WFC1-2K_BIAS (B3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B3))) Error (Form): Target BIAS is no longer a valid selection										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B3))) Error (Form): COMPRESSION is not a valid selection										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B3))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.										
	(Exposure 1 (EP2_WFC1-2K_BIAS (B3))) Error (Form): Illegal selection: DEF. (Exposure 1 (EP2_WFC1-2K_BIAS (B3))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]		[1]
Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.											
Orbit Structure	Orbit 1 Exp. 1, copy 1 Unused Orbital Visibility = 3210 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Exp. 1, copy 5 Exp. 1, copy 6 Occultation  0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec										
	Server Version: 20150609										

Proposal 14139 - EP2_WFC1-2K_BIAS (B4) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14139, EP2_WFC1-2K_BIAS (B4) Sun Sep 27 01:07:15 GMT 2015 Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: GROUP B4,05,06,07,08 WITHIN 14D									
Diagnostics	(Exposure 1 (EP2_WFC1-2K_BIAS (B4))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal. (Exposure 1 (EP2_WFC1-2K_BIAS (B4))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal. (Exposure 1 (EP2_WFC1-2K_BIAS (B4))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal. (Exposure 1 (EP2_WFC1-2K_BIAS (B4))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal. (Exposure 1 (EP2_WFC1-2K_BIAS (B4))) Error (Form): Target BIAS is no longer a valid selection (Exposure 1 (EP2_WFC1-2K_BIAS (B4))) Error (Form): COMPRESSION is not a valid selection (Exposure 1 (EP2_WFC1-2K_BIAS (B4))) Error (Form): Illegal selection: DEF.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]	[1]
Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.										
Orbit Structure	Orbit 1 Unused Orbital Visibility = 3210 Exp. 1, copy 1 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Exp. 1, copy 5 Exp. 1, copy 6 Occultation 05001000150020002500300035004000450050005500sec Server Version: 20150609									