



14663 - Imaging Polarimetry of Light Echoes around SN 2014J

Cycle: 24, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Lifan Wang (PI) (Contact)	Texas A & M University	lifanwang@gmail.com
Dr. Dietrich Baade (CoI) (ESA Member)	European Southern Observatory - Germany	baade@eso.org
Dr. Peter J. Brown (CoI)	Texas A & M University	pbrown@physics.tamu.edu
Dr. Alejandro Clocchiatti (CoI)	Pontificia Universidad Catolica de Chile	aclocchi@astro.puc.cl
Ms. Misty Cracraft (CoI)	Space Telescope Science Institute	cracraft@stsci.edu
Paula Zelaya Garcia (CoI)	Pontificia Universidad Catolica de Chile	pazelaya@gmail.com
Dr. Peter A. Hoeflich (CoI)	Florida State University	phoeflich77@gmail.com
Dr. Justyn Robert Maund (CoI) (ESA Member)	University of Sheffield	j.maund@sheffield.ac.uk
Dr. Ferdinando Patat (CoI) (ESA Member)	European Southern Observatory - Germany	fpatat@eso.org
Ms. Emma Reilly (CoI) (ESA Member)	The Queen's University of Belfast	ereilly528@qub.ac.uk
Dr. William B. Sparks (CoI)	Space Telescope Science Institute	sparks@stsci.edu
Dr. Jason Spyromilio (CoI) (ESA Member)	European Southern Observatory - Germany	jspyromi@eso.org
Dr. Xiaofeng Wang (CoI)	Tsinghua University	wang_xf@mail.tsinghua.edu.cn
Dr. J. Craig Wheeler (CoI)	University of Texas at Austin	wheel@astro.as.utexas.edu
Mr. Yi Yang (CoI) (Contact)	Texas A & M University	ngc4594@physics.tamu.edu

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	29-Jul-2016 14:25:34.0	yes
02	(1) SN-2014J	ACS/WFC	2	29-Jul-2016 14:25:35.0	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	29-Jul-2016 14:25:36.0	yes
04	(1) SN-2014J	ACS/WFC	2	29-Jul-2016 14:25:38.0	yes
05	(1) SN-2014J	ACS/WFC	2	29-Jul-2016 14:25:39.0	yes
06	(1) SN-2014J	ACS/WFC	2	29-Jul-2016 14:25:40.0	yes
07	(1) SN-2014J	ACS/WFC	2	29-Jul-2016 14:25:41.0	yes
08	(1) SN-2014J	ACS/WFC	2	29-Jul-2016 14:25:42.0	yes

16 Total Orbits Used

ABSTRACT

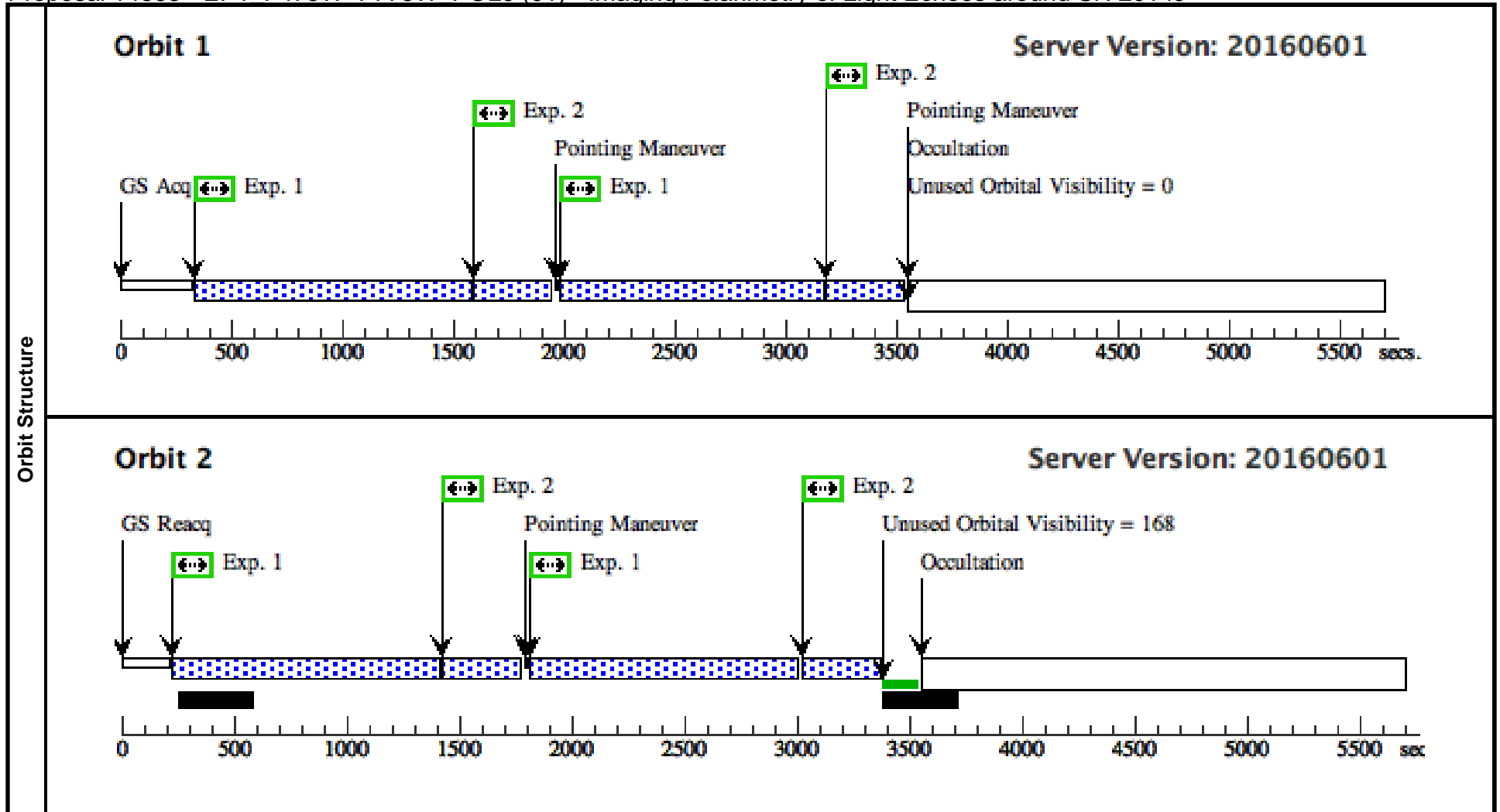
Because of the proximity of the Type Ia SN 2014J, HST can resolve light echoes from dust with an impact parameter of just a few light years. Only dust so close to the supernova can scatter light at large angles into the line of sight. Therefore, polarization of a light echo is an ambiguous criterion 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 24, we intend to observe at two separate epochs at around Oct. 10, 2016, and Apr. 30, 2017. 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 308.71 or 112.21 degrees, to be consistent with our previous observations in #13717.

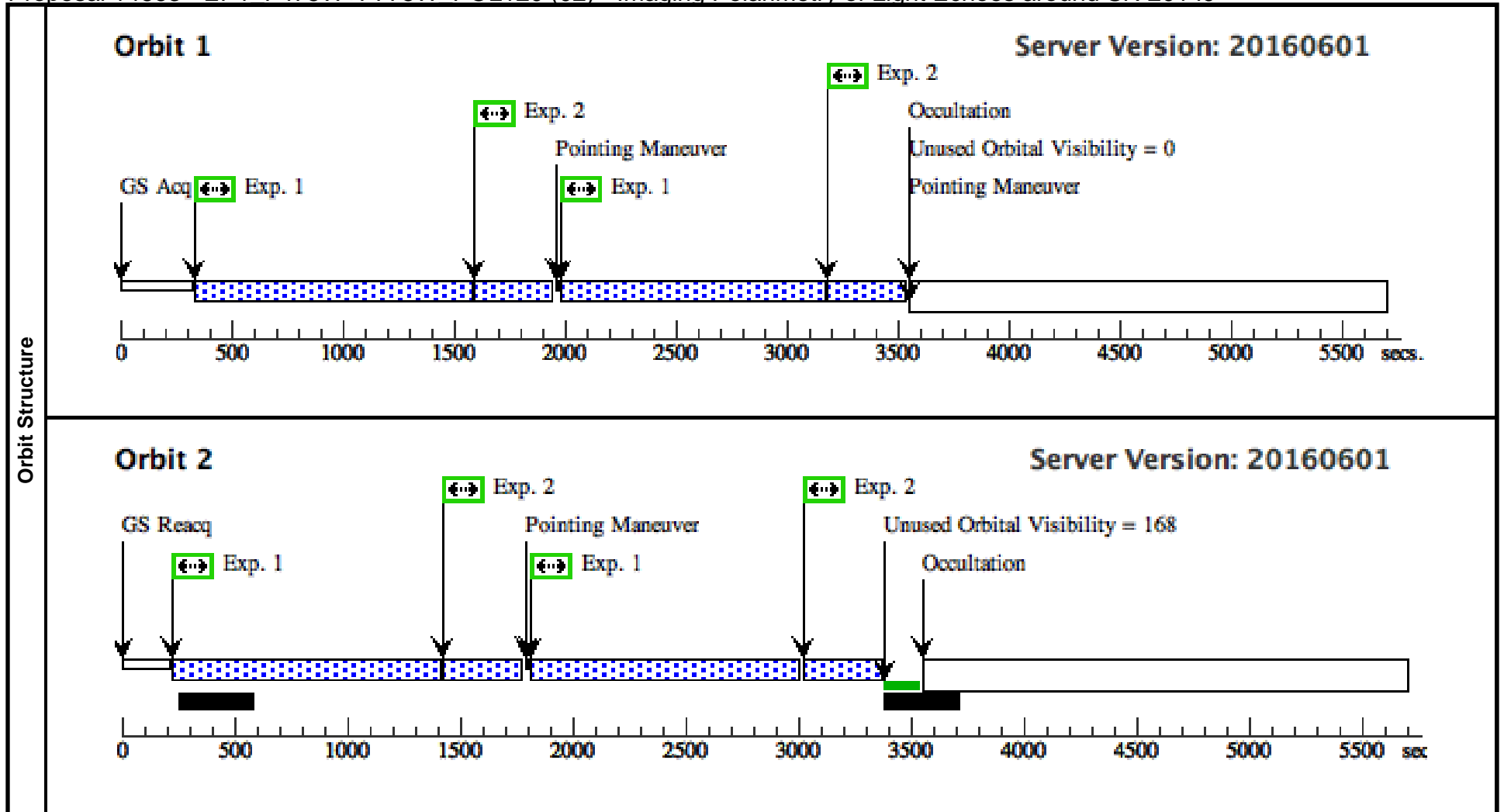
Proposal 14663 - EP1_F475W+F775W_POL0 (01) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit		Proposal 14663, EP1_F475W+F775W_POL0 (01), implementation					Fri Jul 29 18:25:43 GMT 2016				
Patterns		#	Primary Pattern	Secondary Pattern	Exposures						
Visit		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 308.70D TO 308.71 D; BETWEEN 23-SEP-2016:00:00:00 AND 15-DEC-2016:00:00:00; SEQ 01,02,03 WITHIN 9 Orbits									
Patterns		(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				
Fixed Targets		(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=26+/-2	Reference Frame: SIMBAD				
		<i>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.</i>									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures		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)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
Exposures		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)	202 Secs (808 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]



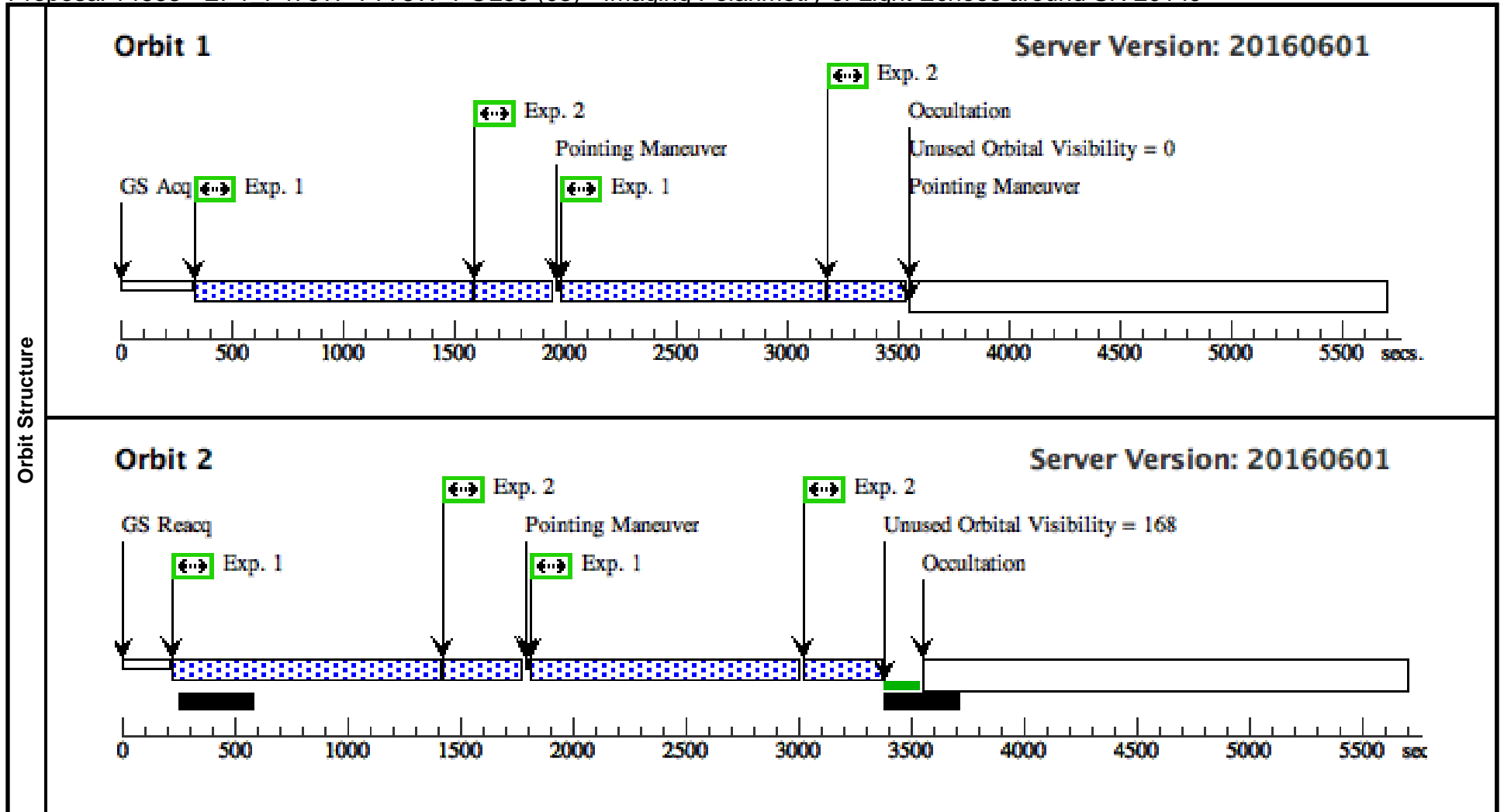
Proposal 14663 - EP1 F475W+F775W POL120 (02) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit		Proposal 14663, EP1_F475W+F775W_POL120 (02), implementation Fri Jul 29 18:25:43 GMT 2016																																																
Patterns		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 0 D TO 1 D; SEQ 01,02,03 WITHIN 9 Orbits																																																
#	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		<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>SN-2014J</td> <td>RA: 09 55 42.1200 (148.9255000d) Dec: +69 40 25.90 (69.67386d) Equinox: J2000</td> <td>Radial Velocity: 203.00 km/sec</td> <td>V=26+/-2</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table> <p><i>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.</i></p>				#	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=26+/-2	Reference Frame: SIMBAD																																	
#	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=26+/-2	Reference Frame: SIMBAD																																													
Exposures		<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td rowspan="4">1</td> <td rowspan="4">EP1_F475W (1) SN-2014J_POL120</td> <td rowspan="4">(1) SN-2014J</td> <td rowspan="4">ACS/WFC, ACCUM, WFC1</td> <td rowspan="4">F475W POL120V</td> <td rowspan="4"></td> <td rowspan="4"></td> <td rowspan="4">Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL120 (02) (1)</td> <td>1040 Secs (4160 Secs)</td> <td></td> </tr> <tr> <td>[==>(Pattern 1)]</td> <td>[1]</td> </tr> <tr> <td>[==>(Pattern 2)]</td> <td>[2]</td> </tr> <tr> <td>[==>(Pattern 3)]</td> <td></td> </tr> <tr> <td rowspan="4">2</td> <td rowspan="4">EP1_F775W (1) SN-2014J_POL120</td> <td rowspan="4">(1) SN-2014J</td> <td rowspan="4">ACS/WFC, ACCUM, WFC1</td> <td rowspan="4">F775W POL120V</td> <td rowspan="4"></td> <td rowspan="4"></td> <td rowspan="4">Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL120 (02) (1)</td> <td>202 Secs (808 Secs)</td> <td></td> </tr> <tr> <td>[==>(Pattern 1)]</td> <td>[1]</td> </tr> <tr> <td>[==>(Pattern 2)]</td> <td>[2]</td> </tr> <tr> <td>[==>(Pattern 3)]</td> <td></td> </tr> </tbody> </table>							#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	EP1_F475W (1) SN-2014J_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)]	[2]	[==>(Pattern 3)]		2	EP1_F775W (1) SN-2014J_POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W POL120V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL120 (02) (1)	202 Secs (808 Secs)		[==>(Pattern 1)]	[1]	[==>(Pattern 2)]	[2]	[==>(Pattern 3)]	
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																									
1	EP1_F475W (1) SN-2014J_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)]	[2]																																									
								[==>(Pattern 3)]																																										
2	EP1_F775W (1) SN-2014J_POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W POL120V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL120 (02) (1)	202 Secs (808 Secs)																																										
								[==>(Pattern 1)]	[1]																																									
								[==>(Pattern 2)]	[2]																																									
								[==>(Pattern 3)]																																										



Proposal 14663 - EP1_F475W+F775W_POL60 (03) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit		Proposal 14663, EP1_F475W+F775W_POL60 (03), implementation Fri Jul 29 18:25:43 GMT 2016									
Patterns		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 01; AFTER 01 BY 0 D TO 1 D; SEQ 01,02,03 WITHIN 9 Orbits									
#	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=26+/-2	Reference Frame: SIMBAD				
		<i>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.</i>									
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 EP1_F475W+F775W_POL60 (03) (1)	1040 Secs (4160 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
		2	EP1_F775W_POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W POL60V			Pattern 1, Exps 1-2 in EP1_F475W+F775W_POL60 (03) (1)	202 Secs (808 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]



Proposal 14663 - EP1_F606W (04) - Imaging Polarimetry of Light Echoes around SN 2014J

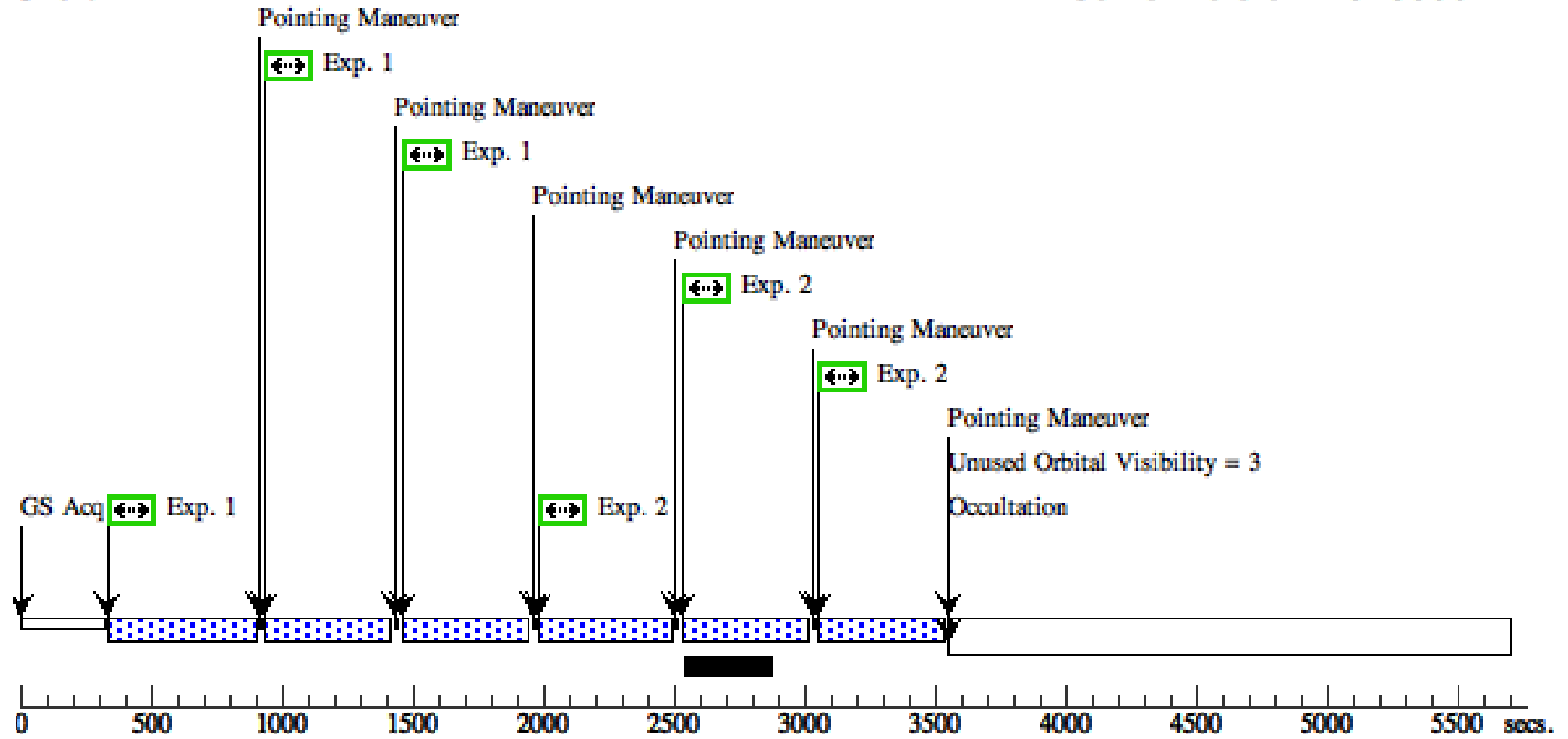
Fri Jul 29 18:25:44 GMT 2016

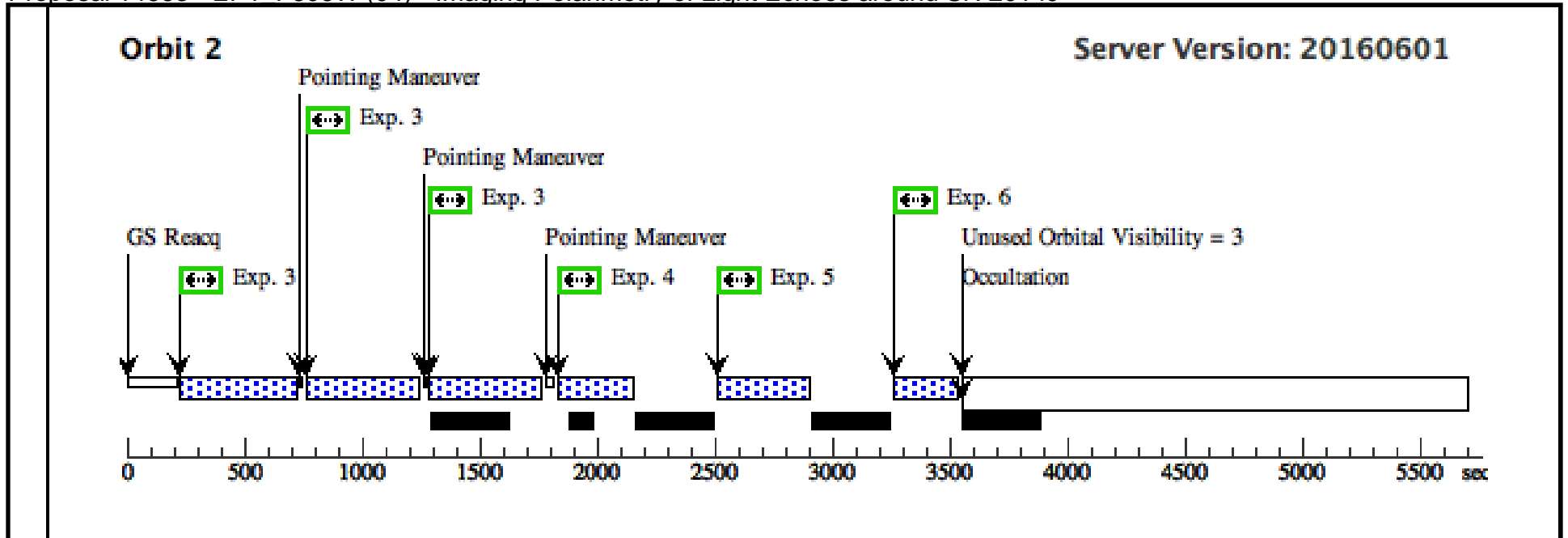
Visit	Proposal 14663, EP1_F606W (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 01; AFTER_01 BY 0 D TO 2 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 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=26+/-2	Reference Frame: SIMBAD				
<i>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.</i>										
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 2, Exps 1-1 in EP1_F606W (04) (2)	360 Secs (1080 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	EP1_F606W_POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F606W POL120V			Pattern 2, Exps 2-2 in EP1_F606W (04) (2)	360 Secs (1080 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	3	EP1_F606W_POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F606W POL60V			Pattern 2, Exps 3-3 in EP1_F606W (04) (2)	360 Secs (1080 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[2]
	4	EP1_F606W_CLEAR	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F606W				150 Secs (150 Secs) [=>]	[2]
	5	EP1_F475_CLEAR	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F475W				240 Secs (240 Secs) [=>]	[2]
	6	EP1_F775_CLEAR	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W				120 Secs (120 Secs) [=>]	[2]

Orbit 1

Server Version: 20160601

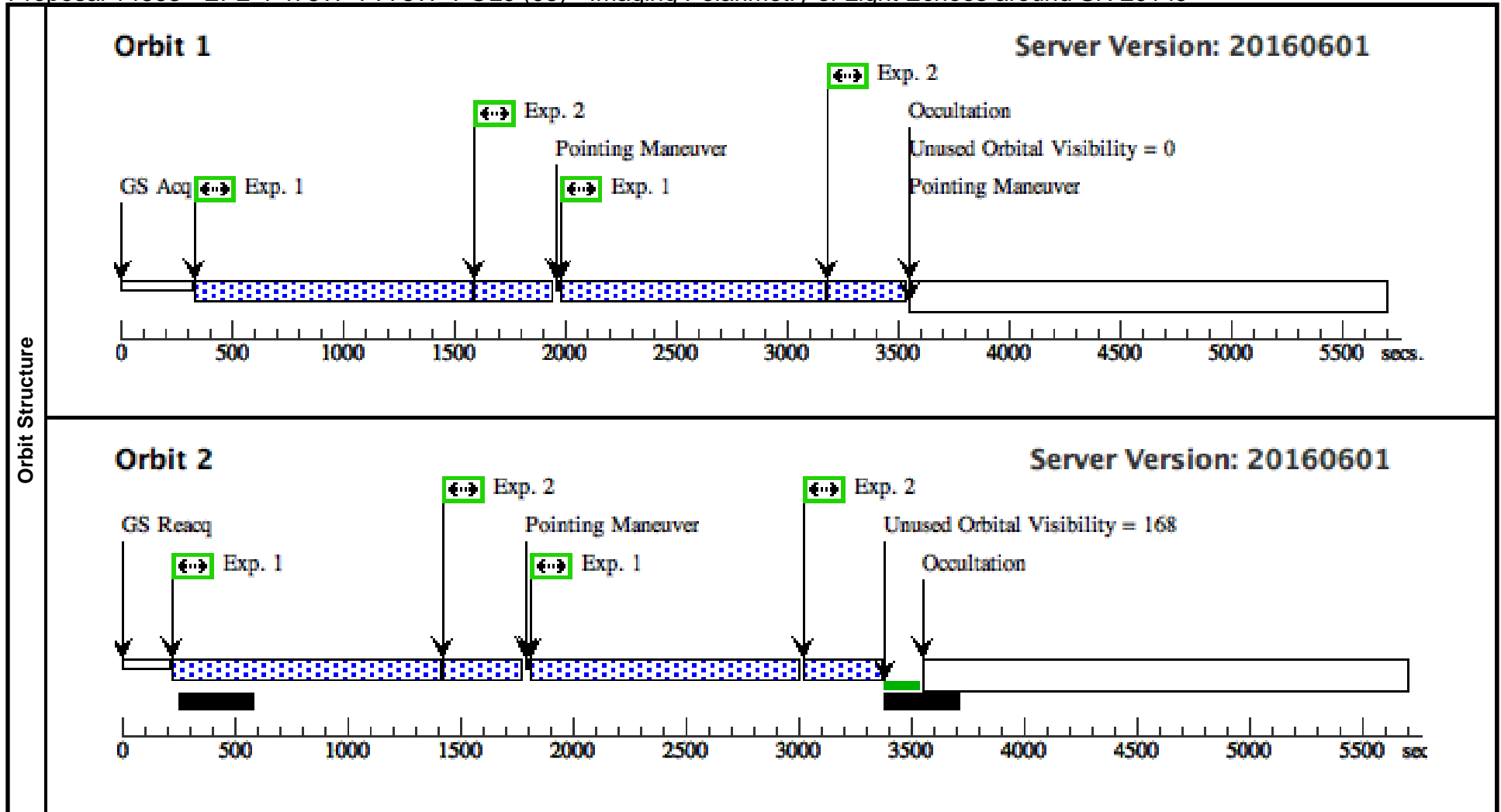
Orbit Structure





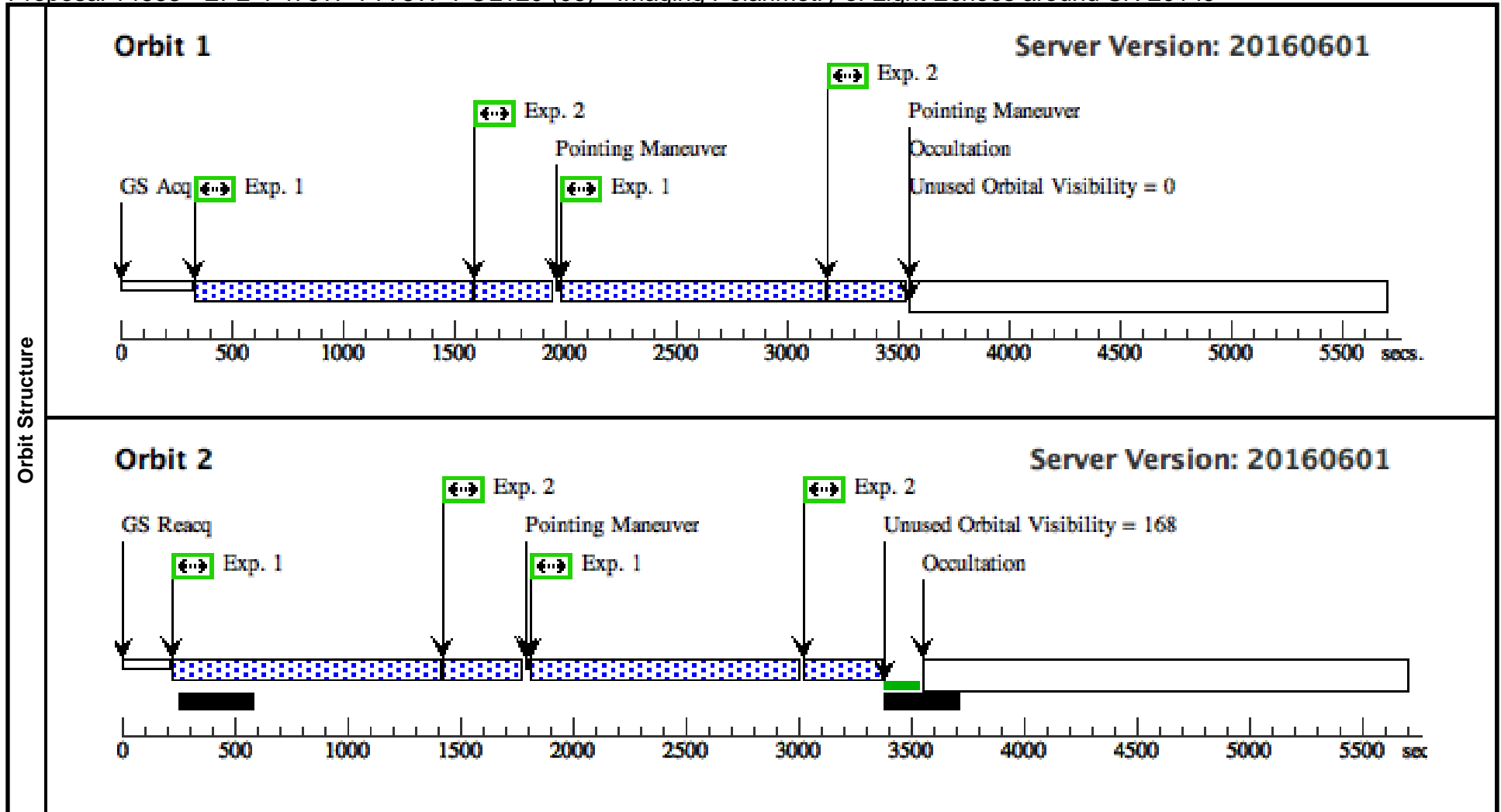
Proposal 14663 - EP2 F475W+F775W POL0 (05) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit	Proposal 14663, EP2_F475W+F775W_POL0 (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 112.19D TO 112.21 D; BETWEEN 01-MAR-2017:00:00:00 AND 15-MAY-2017:00:00:00; SEQ 05,06,07 WITHIN 9 Orbits					Fri Jul 29 18:25:44 GMT 2016				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	(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)					
	(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=26+/-2	Reference Frame: SIMBAD				
<i>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.</i>										
	1	EP1_F475W (1) SN-2014J _POL0	ACS/WFC, ACCUM, WFC1	F475W POL0V			Pattern 1, Exps 1-2 in EP2_F475W+F775W_POL0 (05) (1)	1040 Secs (4160 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	
	2	EP1_F775W (1) SN-2014J _POL0	ACS/WFC, ACCUM, WFC1	F775W POL0V			Pattern 1, Exps 1-2 in EP2_F475W+F775W_POL0 (05) (1)	202 Secs (808 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1] [2]	



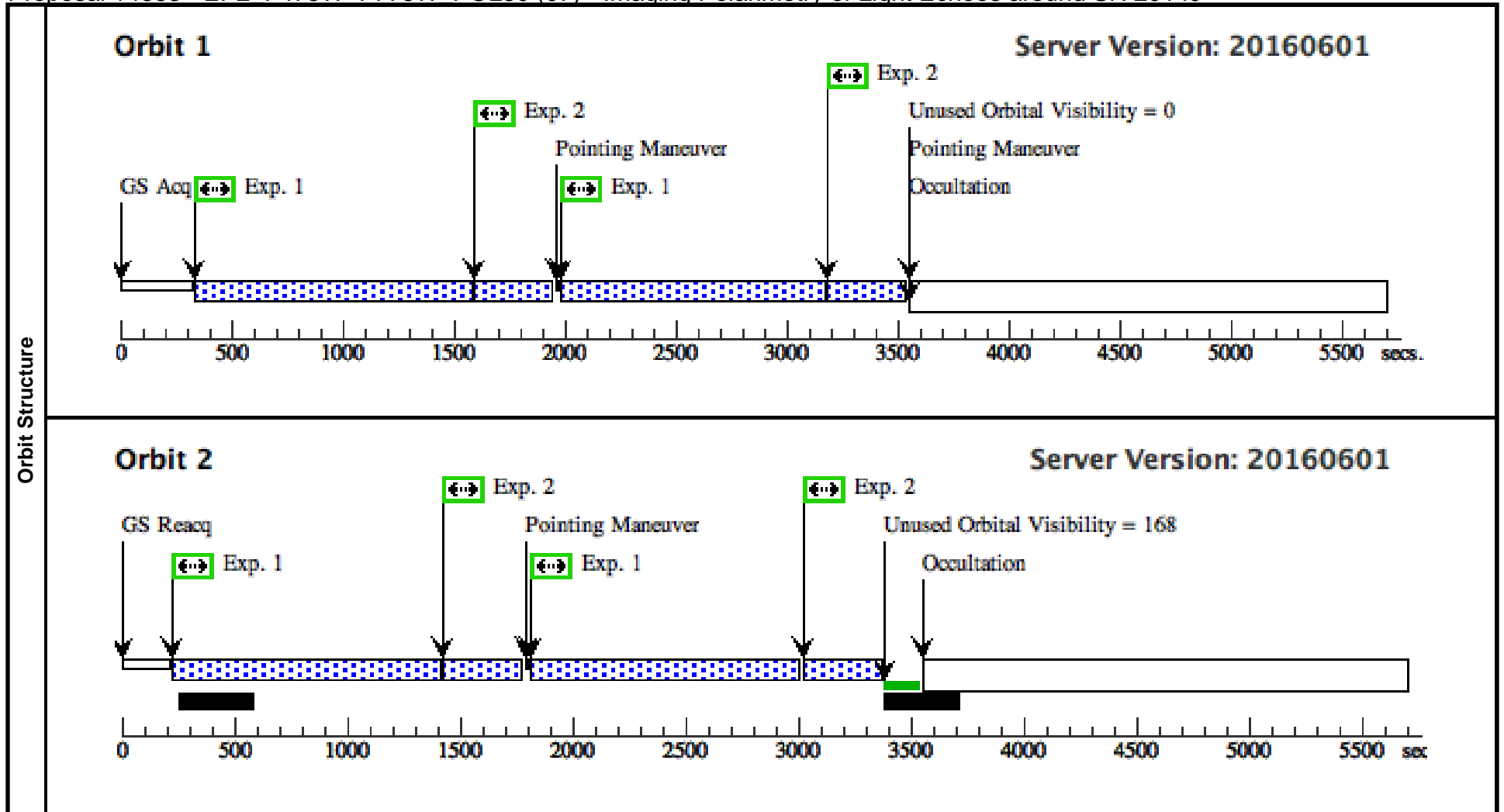
Proposal 14663 - EP2 F475W+F775W POL120 (06) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit		Proposal 14663, EP2_F475W+F775W_POL120 (06), implementation Fri Jul 29 18:25:44 GMT 2016									
Patterns		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 05: AFTER 05 BY 0 D TO 1 D: SEQ 05.06.07 WITHIN 9 Orbits									
#	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=26+/-2	Reference Frame: SIMBAD				
		<i>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.</i>									
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)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
		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)	202 Secs (808 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]



Proposal 14663 - EP2 F475W+F775W POL60 (07) - Imaging Polarimetry of Light Echoes around SN 2014J

Visit		Proposal 14663, EP2_F475W+F775W_POL60 (07), implementation Fri Jul 29 18:25:44 GMT 2016									
Patterns		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 05: AFTER 05 BY 0 D TO 1 D; SEQ 05,06,07 WITHIN 9 Orbits									
#	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=26+/-2	Reference Frame: SIMBAD				
		<i>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.</i>									
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)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
		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)	202 Secs (808 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]



Proposal 14663 - EP2_F606W (08) - Imaging Polarimetry of Light Echoes around SN 2014J

Fri Jul 29 18:25:44 GMT 2016

Visit	Proposal 14663, EP2_F606W (08), implementation 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					
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 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=26+/-2	Reference Frame: SIMBAD				
<i>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.</i>										
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 2, Exps 1-1 in EP2_F606W (08) (2)	360 Secs (1080 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	EP1_F606W_POL120	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F606W POL120V			Pattern 2, Exps 2-2 in EP2_F606W (08) (2)	360 Secs (1080 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	3	EP1_F606W_POL60	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F606W POL60V			Pattern 2, Exps 3-3 in EP2_F606W (08) (2)	360 Secs (1080 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[2]
	4	EP2_F606W_CLEAR	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F606W				150 Secs (150 Secs) [=>]	[2]
	5	EP2_F475W_CLEAR	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F475W				240 Secs (240 Secs) [=>]	[2]
	6	EP2_F775W_CLEAR	(1) SN-2014J	ACS/WFC, ACCUM, WFC1	F775W				120 Secs (120 Secs) [=>]	[2]

