



16019 - The counterparts and environments of magnetars

Cycle: 26, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Prof. Andrew James Levan (PI) (ESA Member) (Contact)	Radboud Universiteit Nijmegen	a.levan@astro.ru.nl
Dr. C. Kouveliotou (CoI) (AdminUSPI)	George Washington University	ckouveliotou@gwu.edu
Dr. Andrew S. Fruchter (CoI)	Space Telescope Science Institute	fruchter@stsci.edu
Mr. Nicholas Gorgone (CoI)	George Washington University	gorgone@email.gwu.edu
Prof. Nial Rahil Tanvir (CoI) (ESA Member)	University of Leicester	nrt3@star.le.ac.uk

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) CXOUJ010043.1-721134	WFC3/IR	1	04-Oct-2019 13:01:10.0	yes
03	(3) SGR-J0418+5729	WFC3/IR	1	04-Oct-2019 13:01:12.0	yes
04	(4) SGR0501+4516	WFC3/IR	1	04-Oct-2019 13:01:13.0	yes
05	(5) SGR-0525-66	WFC3/IR	1	04-Oct-2019 13:01:13.0	yes
06	(6) 1E-1048.1-5937	WFC3/IR	1	04-Oct-2019 13:01:14.0	yes
08	(8) PSR-J1622-4950	WFC3/IR	1	04-Oct-2019 13:01:15.0	yes
09	(9) SGR1627-41	WFC3/IR	1	04-Oct-2019 13:01:16.0	yes
10	(10) CXOU-J164710.2-455216	WFC3/IR	1	04-Oct-2019 13:01:17.0	yes
14	(14) SGR1806-20	WFC3/IR	1	04-Oct-2019 13:01:18.0	yes
18	(18) SWIFT-J1834.9-0846	WFC3/IR	1	04-Oct-2019 13:01:19.0	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>
19	(19) 1E-1841-045	WFC3/IR	1	04-Oct-2019 13:01:20.0	yes
21	(21) SGR-1900+14	WFC3/IR	1	04-Oct-2019 13:01:20.0	yes
22	(22) SGR-1935+2154	WFC3/IR	1	04-Oct-2019 13:01:21.0	yes
24	(24) SGR0755-2933	WFC3/IR	1	04-Oct-2019 13:01:22.0	yes
26	(26) AX-J1844.8-0258	WFC3/IR	1	04-Oct-2019 13:01:23.0	yes
27	(27) PSR-J1846-0258	WFC3/IR	1	04-Oct-2019 13:01:24.0	yes

16 Total Orbits Used

ABSTRACT

We request a series of SNAPSHOT observations of the locations of highly magnetic neutron stars -- so called magnetars. Our multicolour observations, in tandem with extant sub-arcsecond localisations from Chandra, will enable the unambiguous identification of a sample of magnetar counterparts for the first time, while also providing an unparalleled view of the magnetar environment. Once found these magnetar counterparts will provide unique insights into magnetar emission mechanisms, pinpoint the stellar clusters of their birth, enable long term proper motions that will allow the dynamics (e.g. kicks) of magnetars to be compared to normal pulsars, and provide targets for JWST spectroscopy, underpinning the next decade of efforts to understand these extreme neutron stars, their origin and their roles as central engines in many of the most powerful explosions in the Universe.

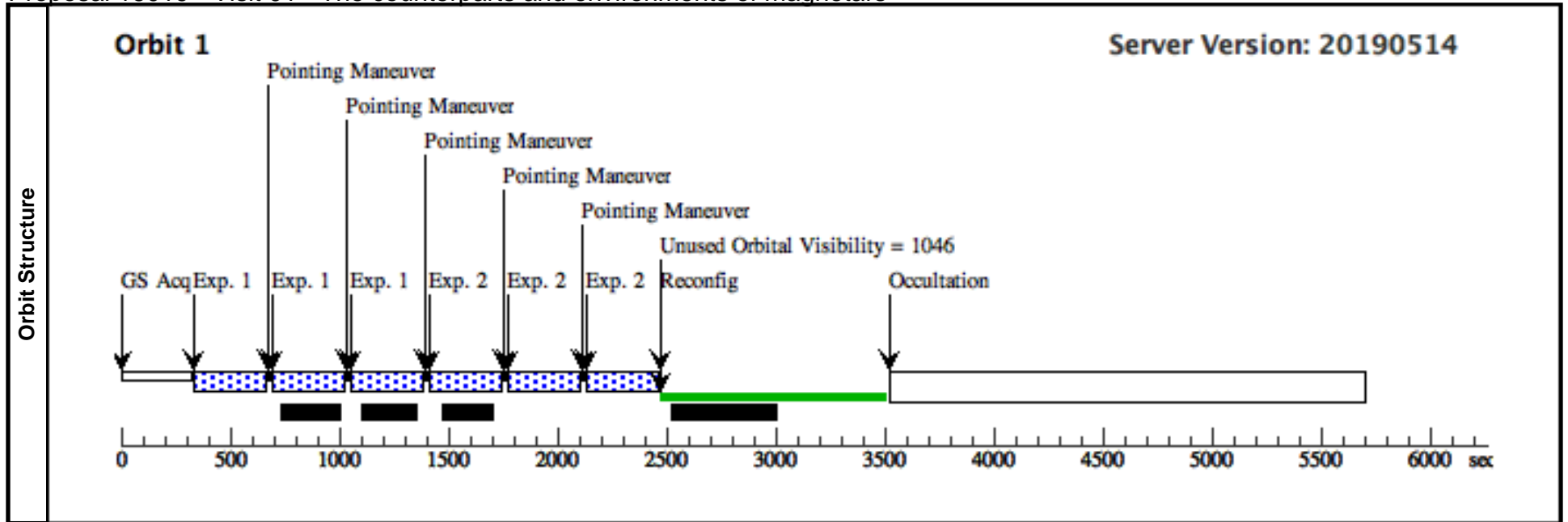
OBSERVING DESCRIPTION

We propose to obtain IR observations of the locations of a large sample of magnetars identified within the Milky Way. For each magnetar we will obtain two colours, F125W and F160W in the course of a single orbit. We have specified two setups which yield total durations of 29 minutes or 41 minutes within the orbit. Each of these is well short of the total orbit and should yield good schedulability as part of a snapshot programme. For the shorter option we use two dithered exposures in each filter, while the longer exposures will use 3 per filter. Each setup will use the STEP100 sequence to provide logarithmic spacing early on and good dynamic range in what may be very crowded fields. Our choice between the two exposures is based on the likely distance to the source (when constrained) and the extinction along that line of sight.

Proposal 16019 - Visit 01 - The counterparts and environments of magnetars

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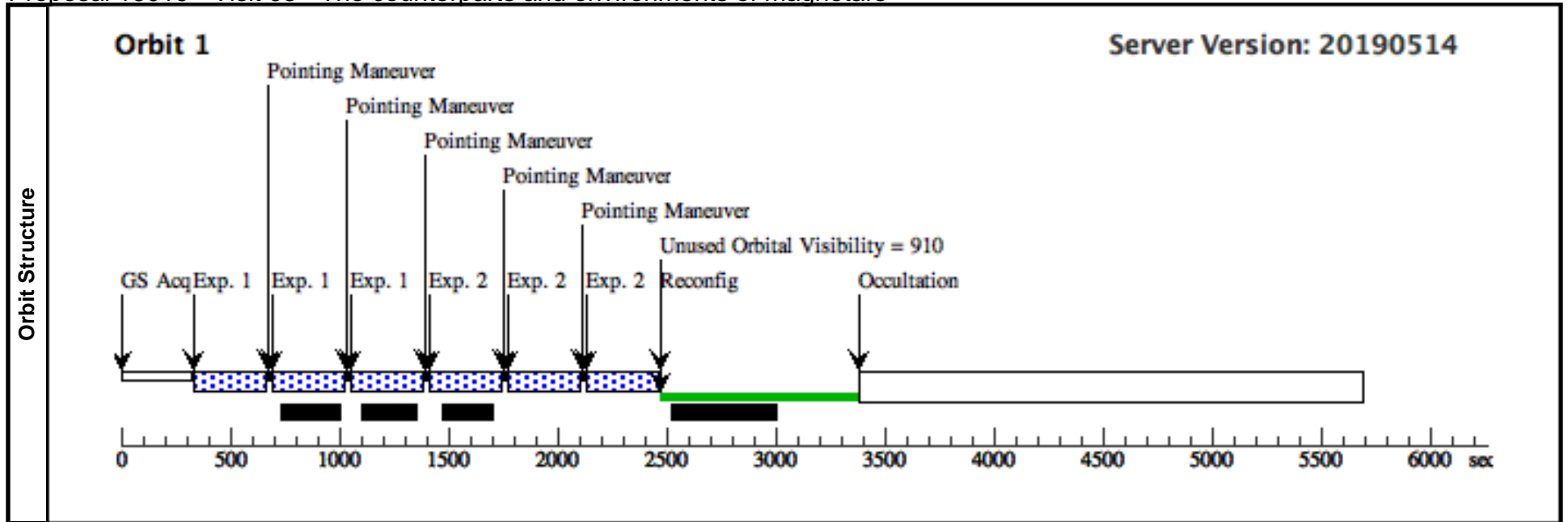
Visit	Proposal 16019, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	CXOUJ010043.1-721134	RA: 01 00 43.1400 (15.1797500d) Dec: -72 11 33.80 (-72.19272d) Equinox: J2000		V=25+/-5	Reference Frame: ICRS				
	<i>Comments:</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) CXOUJ010043.1-721134	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 1-1 in Visit 01 (1)	299.231323 Secs (897.694 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(1) CXOUJ010043.1-721134	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 2-2 in Visit 01 (1)	299.231323 Secs (897.694 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 16019 - Visit 03 - The counterparts and environments of magnetars

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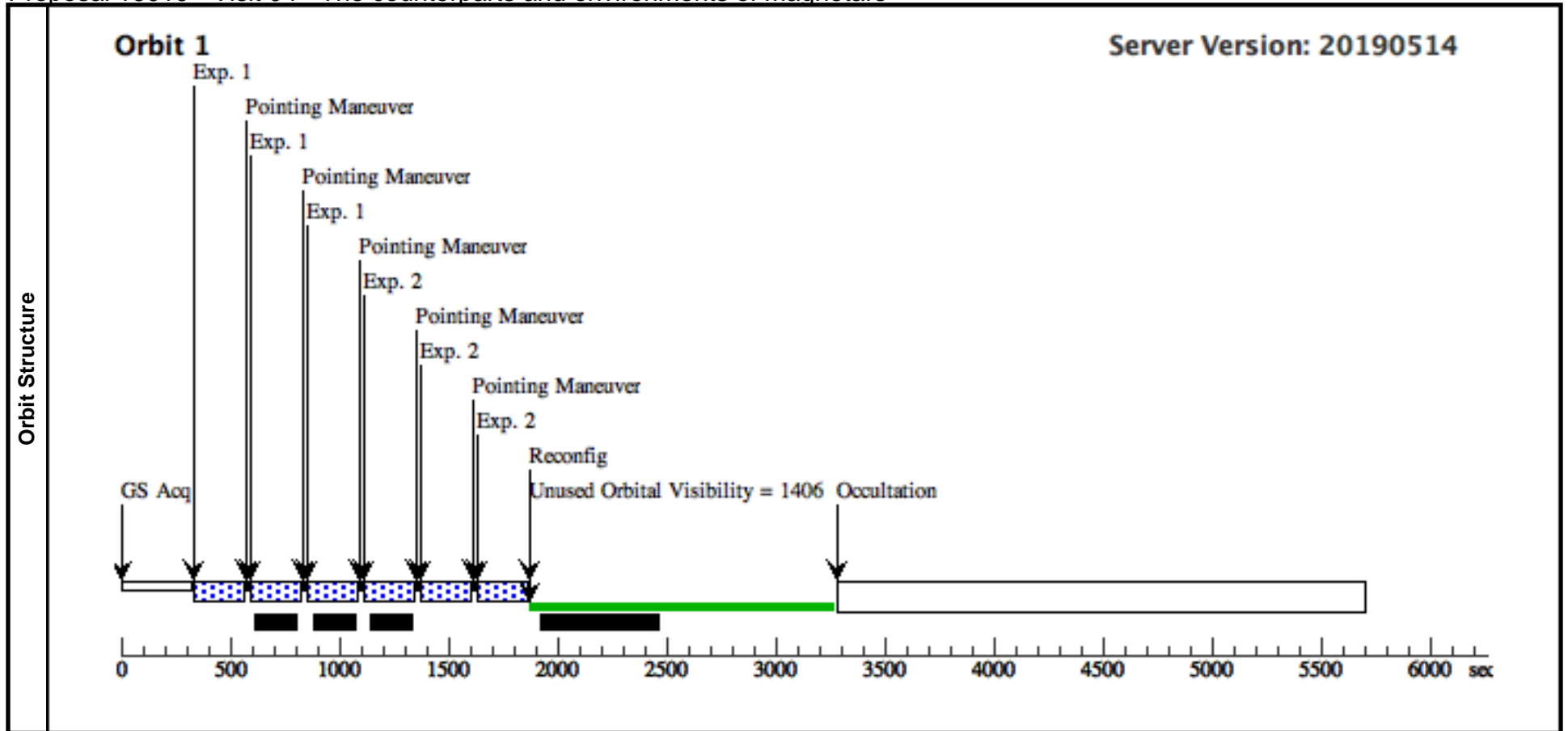
Visit	Proposal 16019, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1), (2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(3)	SGR-J0418+5729	RA: 04 18 33.8670 (64.6411125d) Dec: +57 32 22.91 (57.53970d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) SGR-J0418+5729	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 03 (1)	299.231323 Secs (897.694 Secs)	
			9			NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(3) SGR-J0418+5729	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;		Pattern 1, Exps 2-2 in Visit 03 (1)	299.231323 Secs (897.694 Secs)	
			9			NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 16019 - Visit 04 - The counterparts and environments of magnetars

Fri Oct 04 17:01:24 GMT 2019

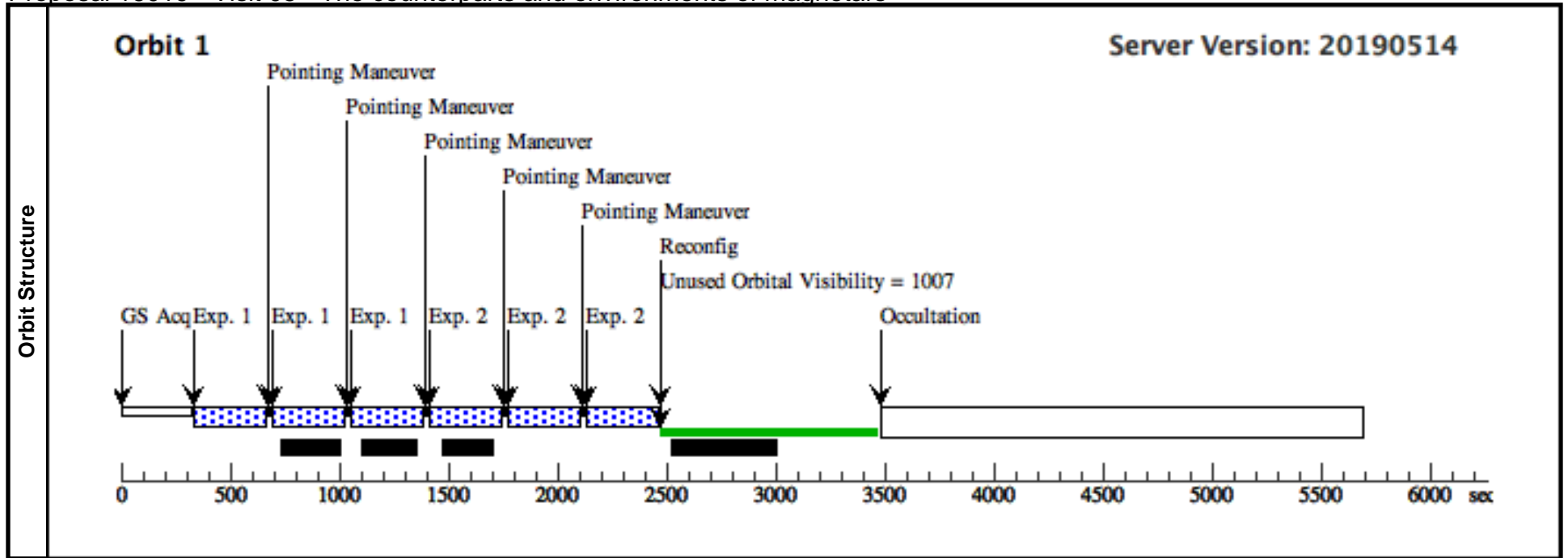
Visit	Proposal 16019, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1), (2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(4)	SGR0501+4516	RA: 05 01 6.7600 (75.2781667d) Dec: +45 16 33.92 (45.27609d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) SGR0501+4516	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100; NSAMP=8		Pattern 1, Exps 1-1 in Visit 04 (1)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2		(4) SGR0501+4516	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=8		Pattern 1, Exps 2-2 in Visit 04 (1)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 16019 - Visit 05 - The counterparts and environments of magnetars

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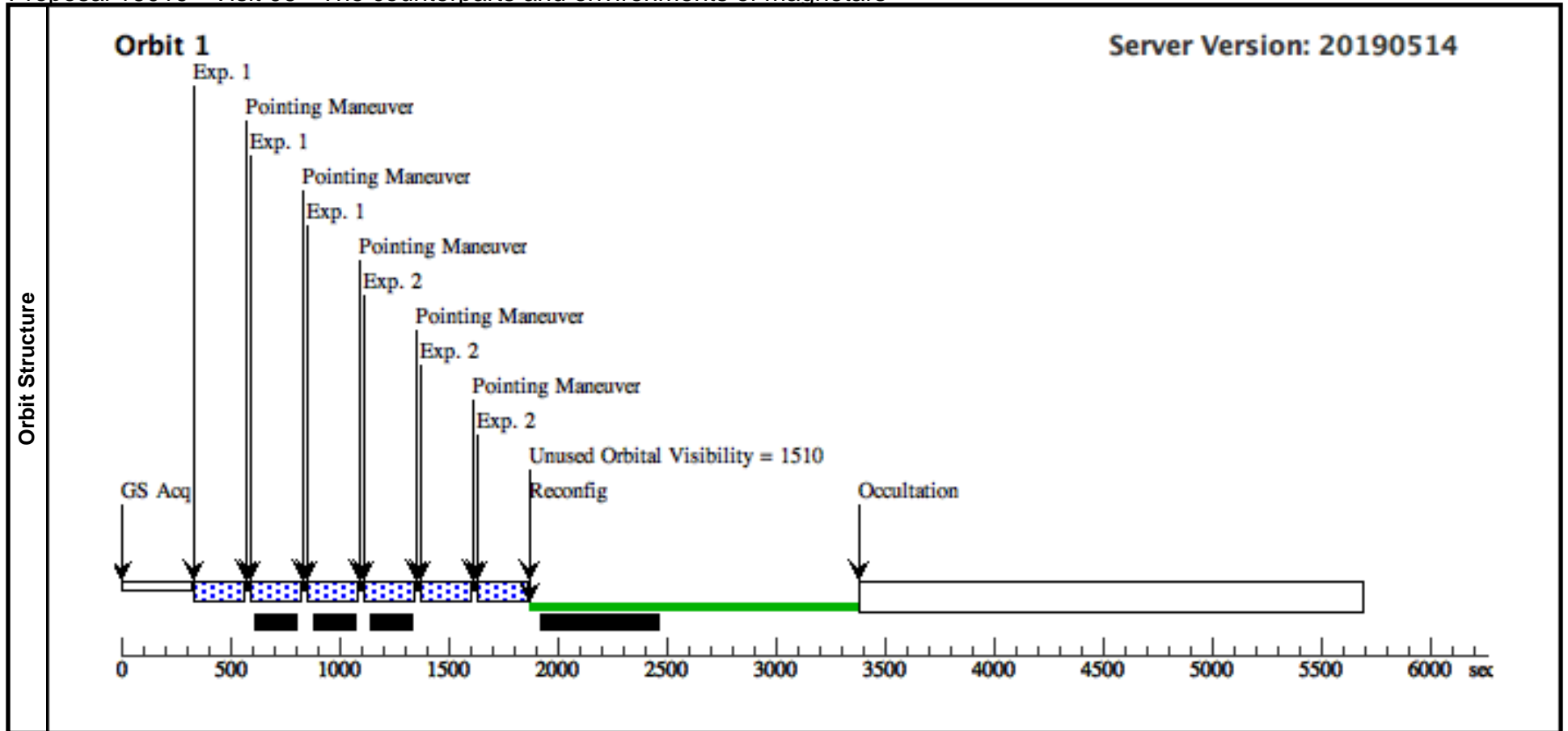
Visit	Proposal 16019, Visit 05 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(5)	SGR-0525-66	RA: 05 26 0.8900 (81.5037083d) Dec: -66 04 36.30 (-66.07675d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) SGR-0525-66	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 05 (1)	299.231323 Secs (897.694 Secs)	
							NSAMP=9		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(5) SGR-0525-66	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;			Pattern 1, Exps 2-2 in Visit 05 (1)	299.231323 Secs (897.694 Secs)	
						NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 16019 - Visit 06 - The counterparts and environments of magnetars

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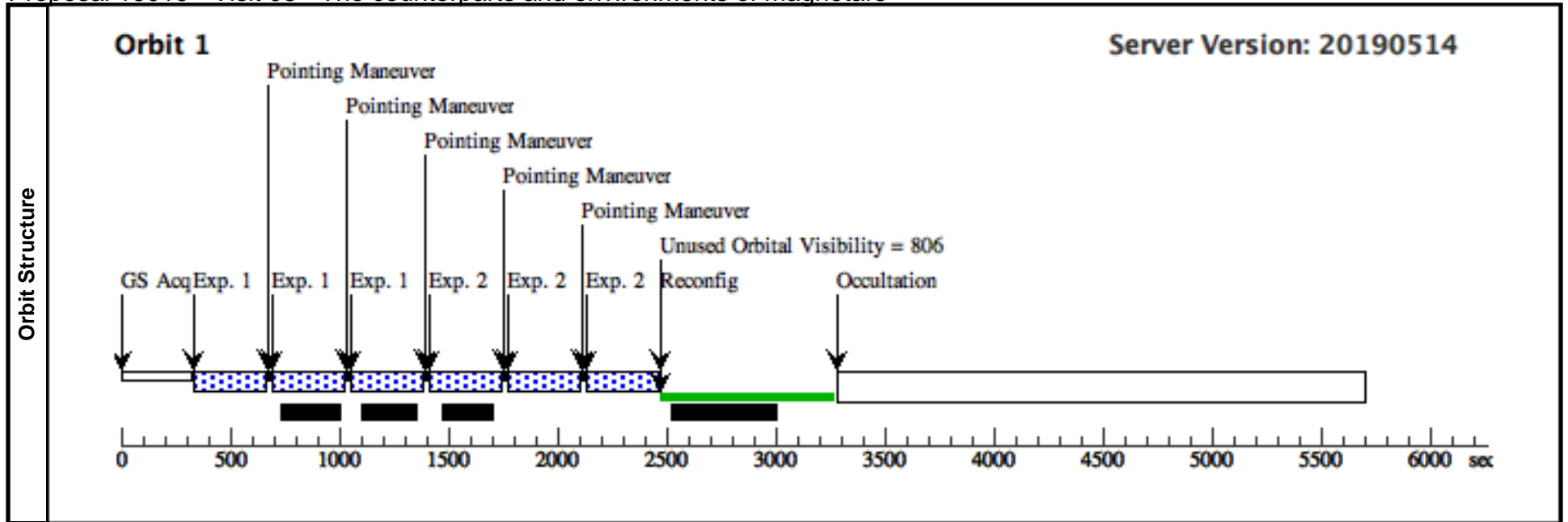
Visit	Proposal 16019, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	1E-1048.1-5937	RA: 10 50 7.1400 (162.5297500d) Dec: -59 53 21.40 (-59.88928d) Equinox: J2000		V=25+/-1	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(6) 1E-1048.1-5937	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100; NSAMP=8		Pattern 1, Exps 1-1 in Visit 06 (1)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2		(6) 1E-1048.1-5937	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=8		Pattern 1, Exps 2-2 in Visit 06 (1)	199.231 Secs (597.693 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 16019 - Visit 08 - The counterparts and environments of magnetars

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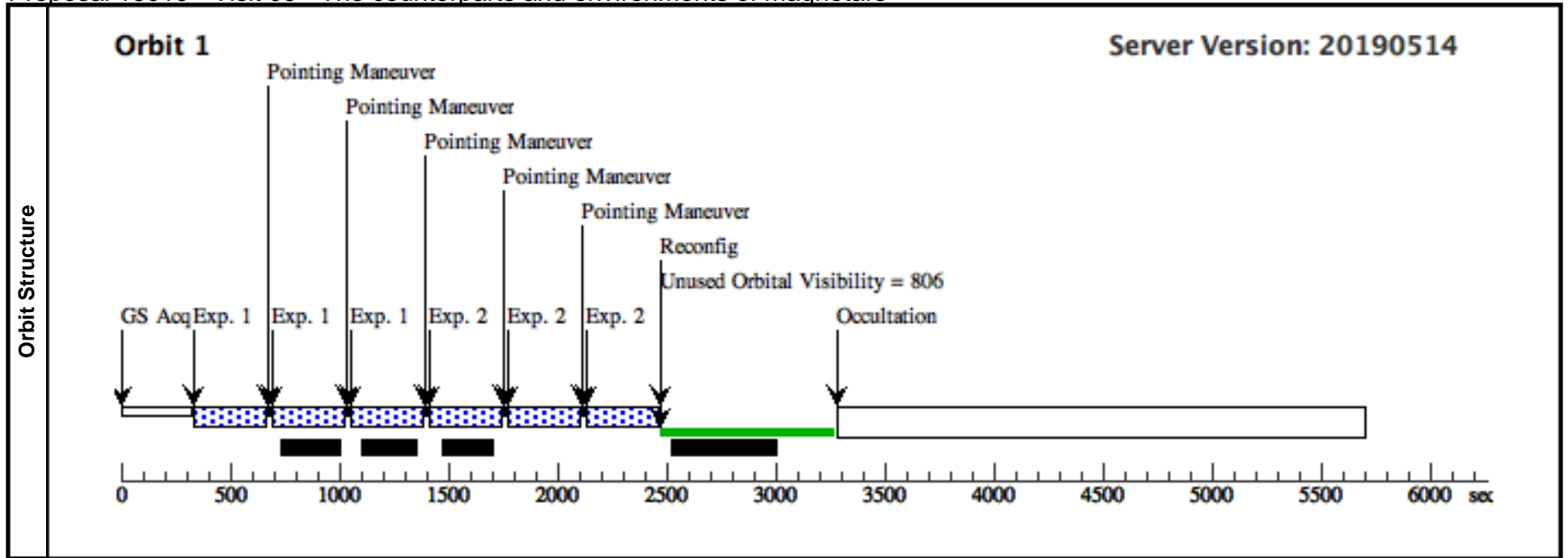
Visit	Proposal 16019, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(8)	PSR-J1622-4950	RA: 16 22 44.8900 (245.6870417d) Dec: -49 50 52.70 (-49.84797d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(8) PSR-J1622-4950	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 08 (1)	299.231323 Secs (897.694 Secs)		
							NSAMP=9		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
2		(8) PSR-J1622-4950	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;		Pattern 1, Exps 2-2 in Visit 08 (1)	299.231323 Secs (897.694 Secs)			
						NSAMP=9		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]		



Proposal 16019 - Visit 09 - The counterparts and environments of magnetars

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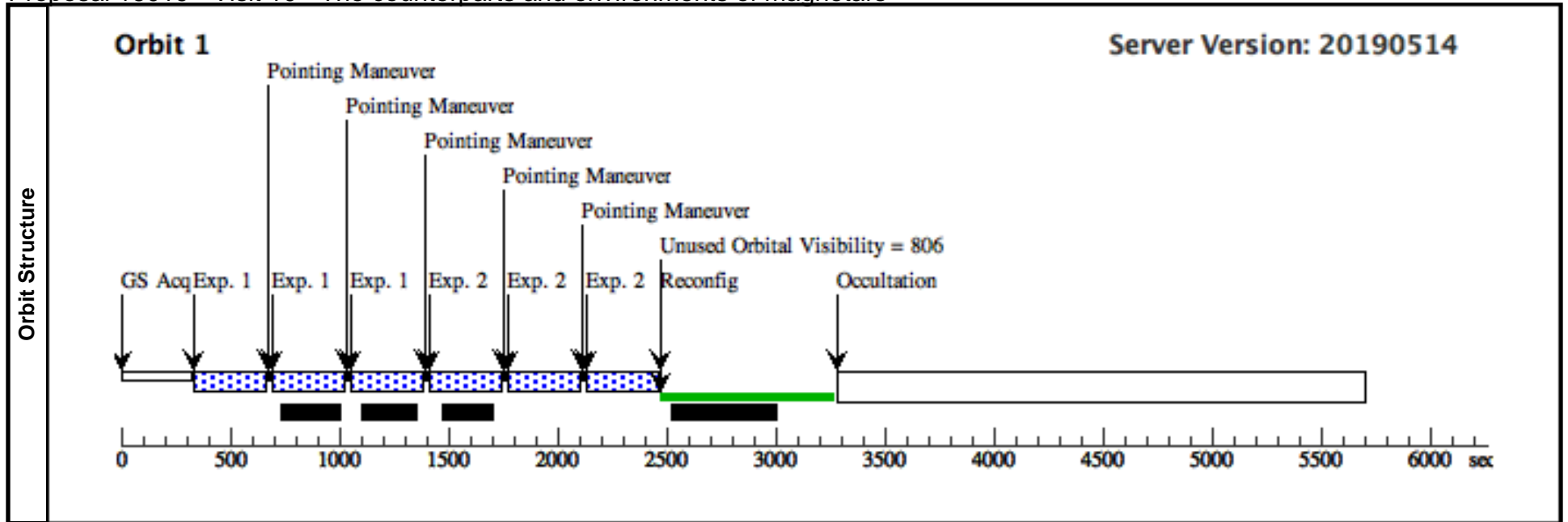
Visit	Proposal 16019, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(9)	SGR1627-41	RA: 16 35 51.8440 (248.9660167d) Dec: -47 35 23.31 (-47.58981d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG** big offset from SIMBAD numbers</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) SGR1627-41	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 09 (1)	299.231323 Secs (897.694 Secs)	
							NSAMP=9		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(9) SGR1627-41	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;			Pattern 1, Exps 2-2 in Visit 09 (1)	299.231323 Secs (897.694 Secs)	
						NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 16019 - Visit 10 - The counterparts and environments of magnetars

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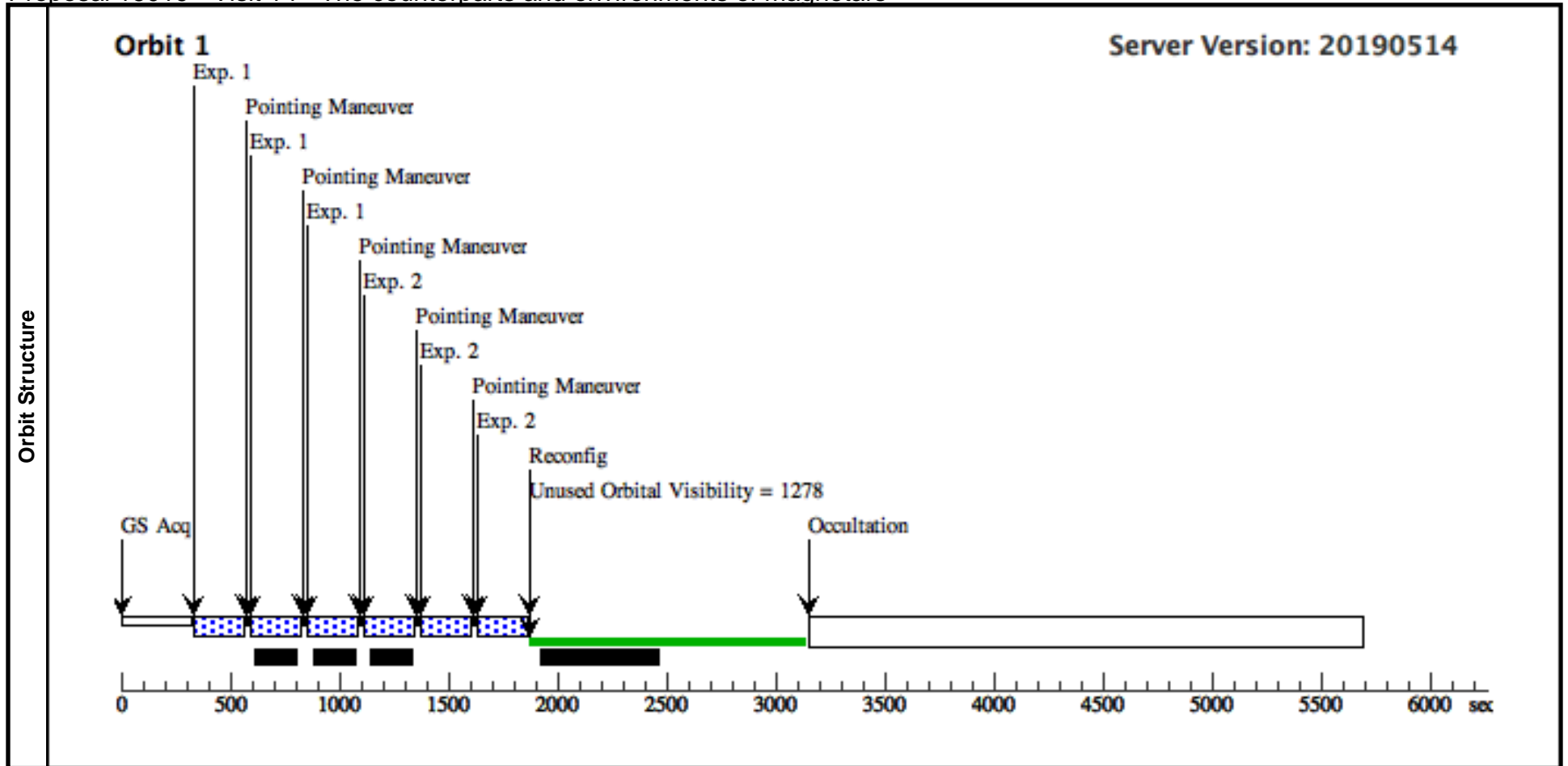
Visit	Proposal 16019, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	CXOU-J164710.2-455216	RA: 16 47 10.2000 (251.7925000d) Dec: -45 52 16.90 (-45.87136d) Equinox: J2000		V=25+/-1	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) CXOU-J164710.2-455216	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 1-1 in Visit 10 (1)	299.231323 Secs (897.694 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(10) CXOU-J164710.2-455216	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 2-2 in Visit 10 (1)	299.231323 Secs (897.694 Secs)		
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 16019 - Visit 14 - The counterparts and environments of magnetars

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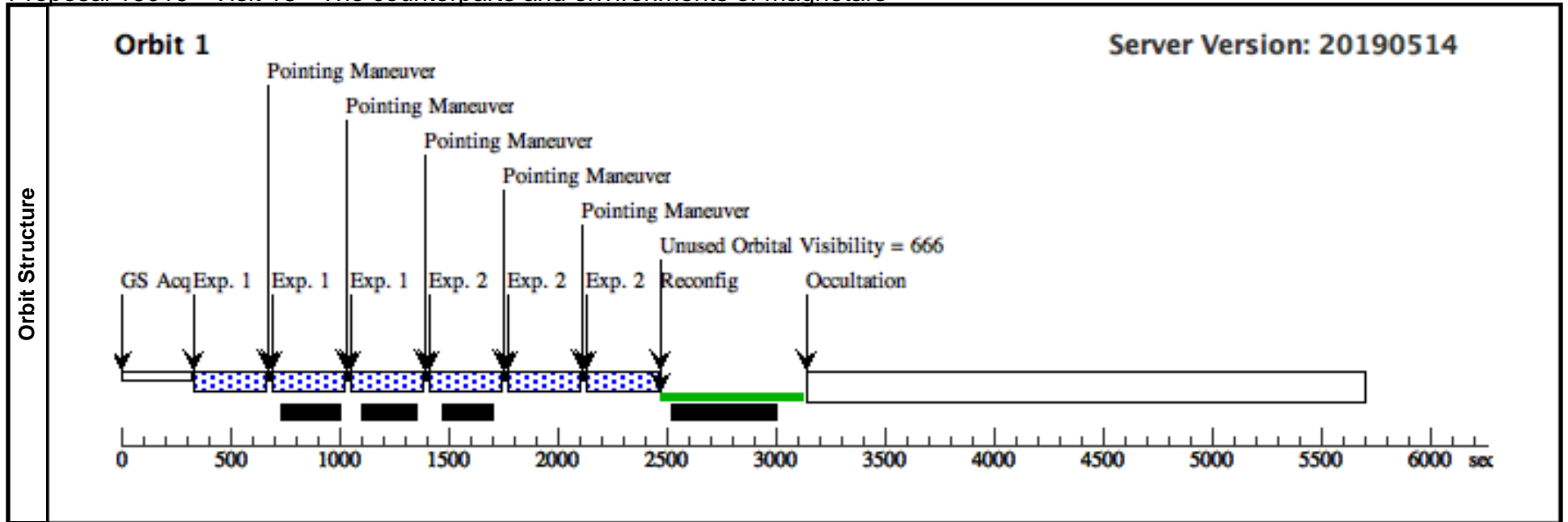
Visit	Proposal 16019, Visit 14, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(14)	SGR1806-20	RA: 18 08 39.3370 (272.1639042d) Dec: -20 24 39.85 (-20.41107d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(14) SGR1806-20	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 14 (1)	199.231 Secs (597.693 Secs)	
							NSAMP=8		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(14) SGR1806-20	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;			Pattern 1, Exps 2-2 in Visit 14 (1)	199.231 Secs (597.693 Secs)	
						NSAMP=8			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 16019 - Visit 18 - The counterparts and environments of magnetars

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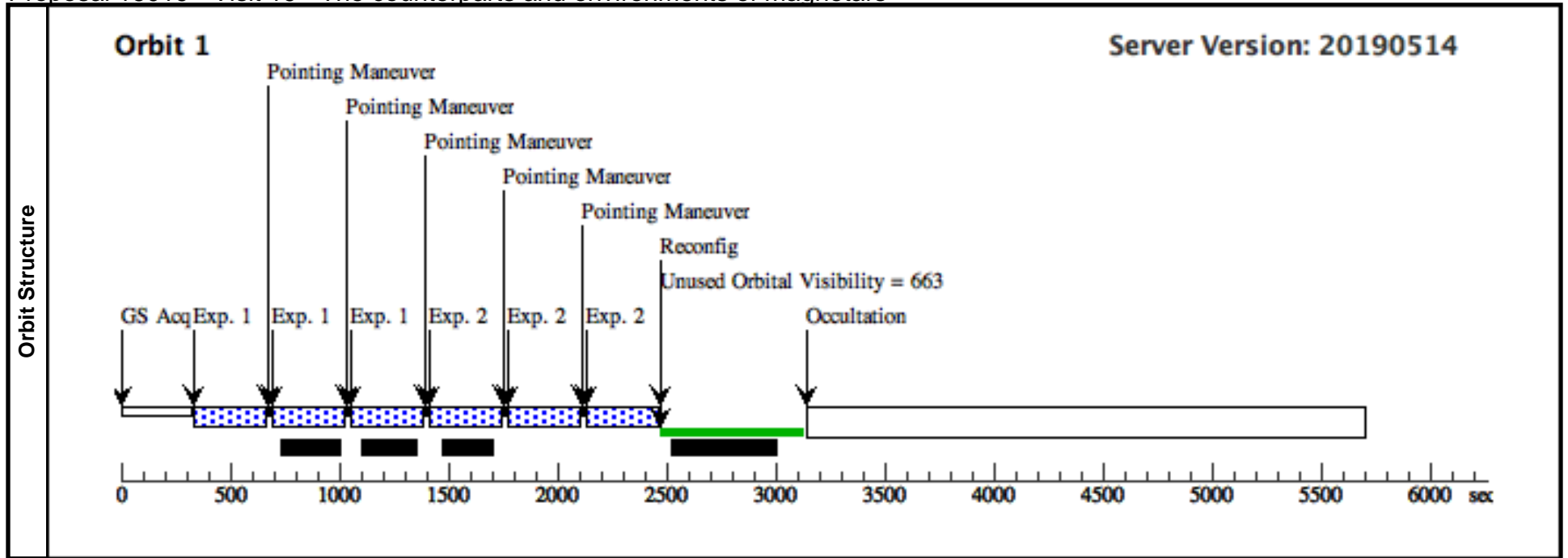
Visit	Proposal 16019, Visit 18 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(18)	SWIFT-J1834.9-0846	RA: 18 34 52.1200 (278.7171667d) Dec: -08 45 56.02 (-8.76556d) Equinox: J2000				V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(18) SWIFT-J1834.9-0846	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 1-1 in Visit 18 (1)	299.231323 Secs (897.694 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
2		(18) SWIFT-J1834.9-0846	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 2-2 in Visit 18 (1)	299.231323 Secs (897.694 Secs)			
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	



Proposal 16019 - Visit 19 - The counterparts and environments of magnetars

Fri Oct 04 17:01:25 GMT 2019

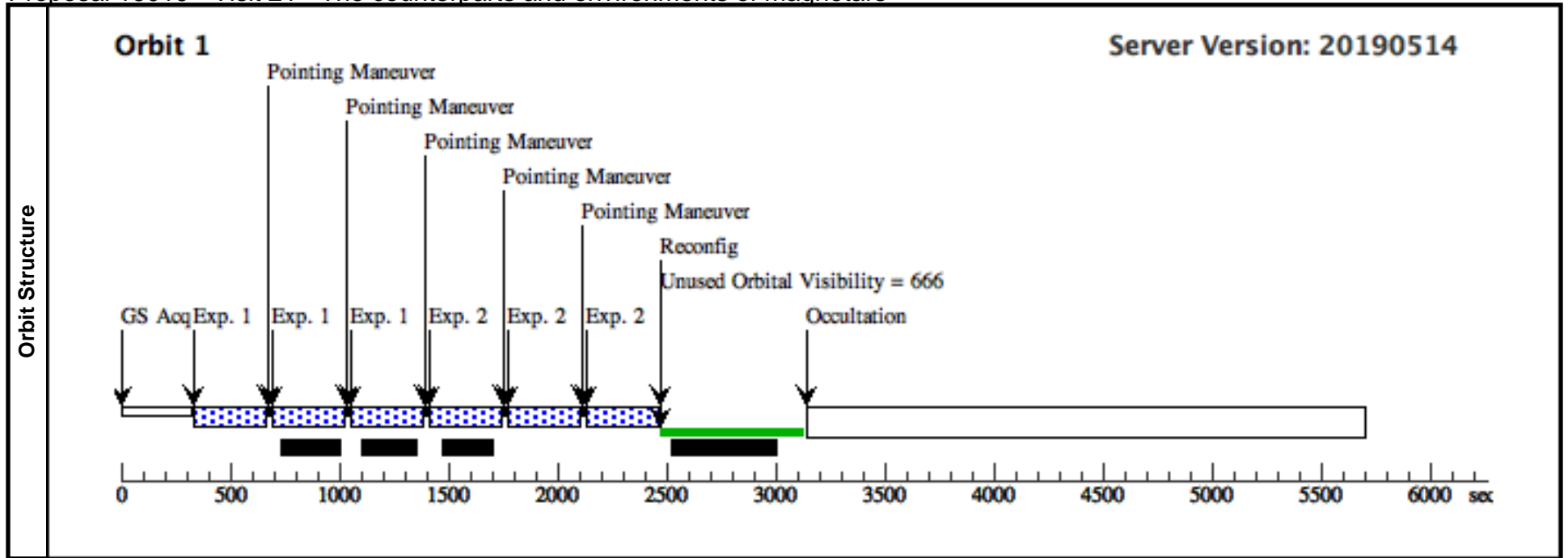
Visit	Proposal 16019, Visit 19 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(19)	1E-1841-045	RA: 18 41 19.3430 (280.3305958d) Dec: -04 56 11.16 (-4.93643d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(19) 1E-1841-045	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 1-1 in Visit 19 (1)	299.231323 Secs (897.694 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(19) 1E-1841-045	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 2-2 in Visit 19 (1)	299.231323 Secs (897.694 Secs)		
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 16019 - Visit 21 - The counterparts and environments of magnetars

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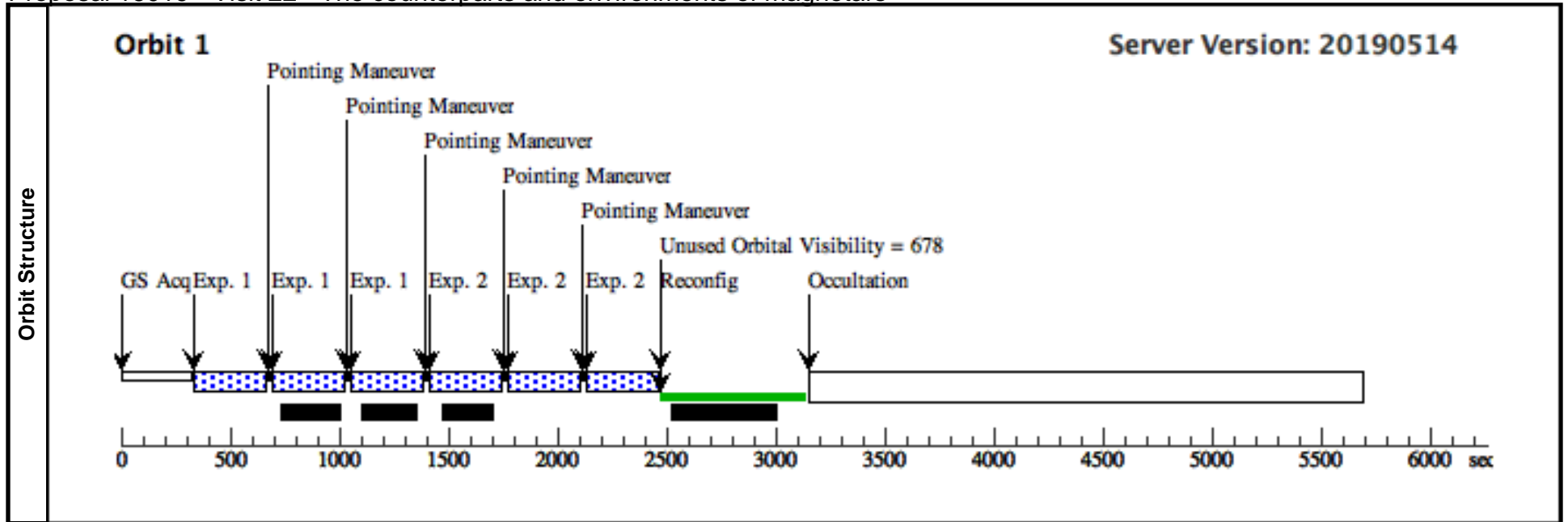
Visit	Proposal 16019, Visit 21 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(21)	SGR-1900+14	RA: 19 07 14.3300 (286.8097083d) Dec: +09 19 20.10 (9.32225d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG** big shift in position</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(21) SGR-1900+14	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 21 (1)	299.231323 Secs (897.694 Secs)	
							NSAMP=9		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(21) SGR-1900+14	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;			Pattern 1, Exps 2-2 in Visit 21 (1)	299.231323 Secs (897.694 Secs)	
						NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 16019 - Visit 22 - The counterparts and environments of magnetars

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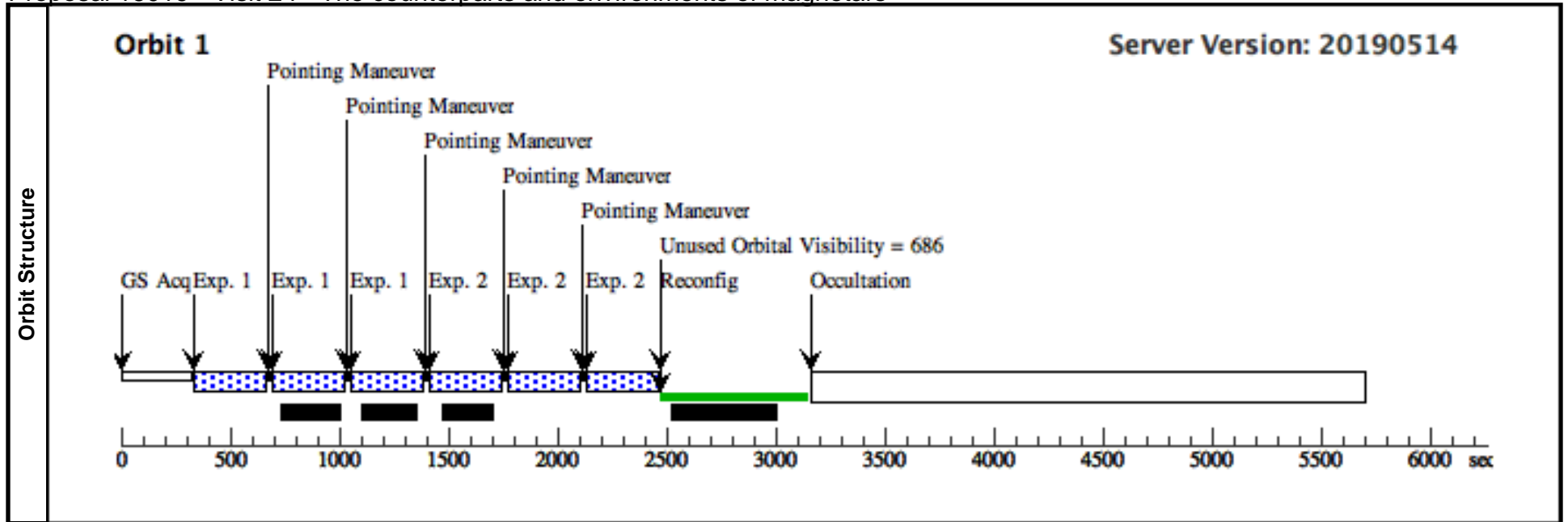
Visit	Proposal 16019, Visit 22, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	SGR-1935+2154	RA: 19 34 55.5978 (293.7316575d) Dec: +21 53 47.79 (21.89661d) Equinox: J2000		V=25+/-1	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG**</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(22) SGR-1935+2154	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 22 (1)	299.231323 Secs (897.694 Secs)	
		4					NSAMP=9		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(22) SGR-1935+2154	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;			Pattern 1, Exps 2-2 in Visit 22 (1)	299.231323 Secs (897.694 Secs)	
	4					NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 16019 - Visit 24 - The counterparts and environments of magnetars

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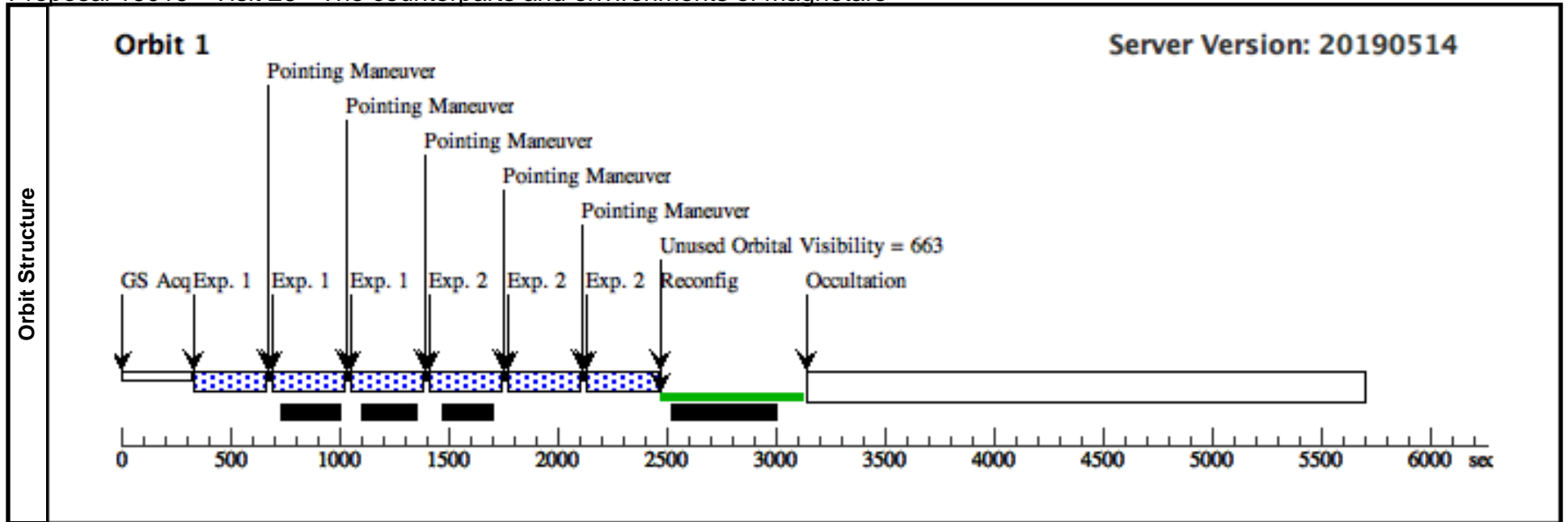
Visit	Proposal 16019, Visit 24 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1), (2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(24)	SGR0755-2933	RA: 07 55 42.4800 (118.9270000d) Dec: -29 33 49.20 (-29.56367d) Equinox: J2000				V=25+/-5	Reference Frame: ICRS			
	<i>Comments:</i> Category=STAR Description=[NEUTRON STAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(24) SGR0755-2933	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 24 (1)	299.231323 Secs (897.694 Secs)		
							NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	
2		(24) SGR0755-2933	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;			Pattern 1, Exps 2-2 in Visit 24 (1)	299.231323 Secs (897.694 Secs)		
						NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



Proposal 16019 - Visit 26 - The counterparts and environments of magnetars

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Visit	Proposal 16019, Visit 26 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	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), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(26)	AX-J1844.8-0258	RA: 18 44 54.6800 (281.2278333d) Dec: -02 56 53.10 (-2.94808d) Equinox: J2000		V=25+/-1	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. **UPDATED FROM MAGNETAR CATALOG** big offset in position</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(26) AX-J1844.8-0258	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 1-1 in Visit 26 (1)	299.231323 Secs (897.694 Secs)	
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
2		(26) AX-J1844.8-0258	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100; NSAMP=9		Pattern 1, Exps 2-2 in Visit 26 (1)	299.231323 Secs (897.694 Secs)		
								[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	



Proposal 16019 - Visit 27 - The counterparts and environments of magnetars

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Visit	Proposal 16019, Visit 27, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	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), (2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(27)	PSR-J1846-0258	RA: 18 46 24.9400 (281.6039167d) Dec: -02 58 30.10 (-2.97503d) Equinox: J2000			V=25+/-1	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[NEUTRON STAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(27) PSR-J1846-0258	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=STEP100;		Pattern 1, Exps 1-1 in Visit 27 (1)	299.231323 Secs (897.694 Secs)	
			8				NSAMP=9		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(27) PSR-J1846-0258	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP100;			Pattern 1, Exps 2-2 in Visit 27 (1)	299.231323 Secs (897.694 Secs)	
		8				NSAMP=9			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]

