



15320 - Probing the dark universe with quadruply imaged quasars

Cycle: 25, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Proposal 15320 (STScI Edit Number: 3, Created: Wednesday, August 2, 2017 12:02:45 PM EST) - Overview

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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) SDSSJ0248+1913	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:18.0	yes
02	(2) DESJ0405-3308	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:20.0	yes
03	(3) DESJ0408-5354	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:23.0	yes
04	(4) DESJ0420-4037	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:25.0	yes
05	(5) SDSSJ1251+2935	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:27.0	yes
06	(6) SDSSJ1330+1810	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:29.0	yes
07	(7) SDSSJ1433+6007	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:31.0	yes
08	(8) DESJ2038-4008	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:33.0	yes
09	(9) PSJ0147+4630	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:35.0	yes
10	(10) ATLASJ2344-3056	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:37.0	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>
11	(11) PSJ1606-2333	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:39.0	yes
12	(12) PSJ0630-1201	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:41.0	yes
13	(13) WISEJ0259-1635	WFC3/IR WFC3/UVIS	2	02-Aug-2017 13:02:43.0	yes

26 Total Orbits Used

ABSTRACT

Is LCDM the correct model or is the recent tension of H_0 suggestive of new physics? What's the nature of dark energy? What's the stellar initial mass function of massive galaxies? What's the structure of dark matter halos? What is the size of accretion disks? How does the relationship between quasars and their host galaxies evolve with redshift? All these questions can be addressed by studying quadruply imaged quasars (quads).

Unfortunately, these objects are very rare on the sky and the precision of all these studies is limited by sample size, typically 10-15 for each case. We have embarked in a major campaign to discover and follow-up many new quads. We propose here to observe 13 new systems. This proposal will effectively more than double current samples for each application and thus enable substantial progress on all fronts (e.g. $\sim 1.4\%$ precision on H_0 from time delays and differentiating Chabrier and Salpeter initial mass function at 95%CL from microlensing).

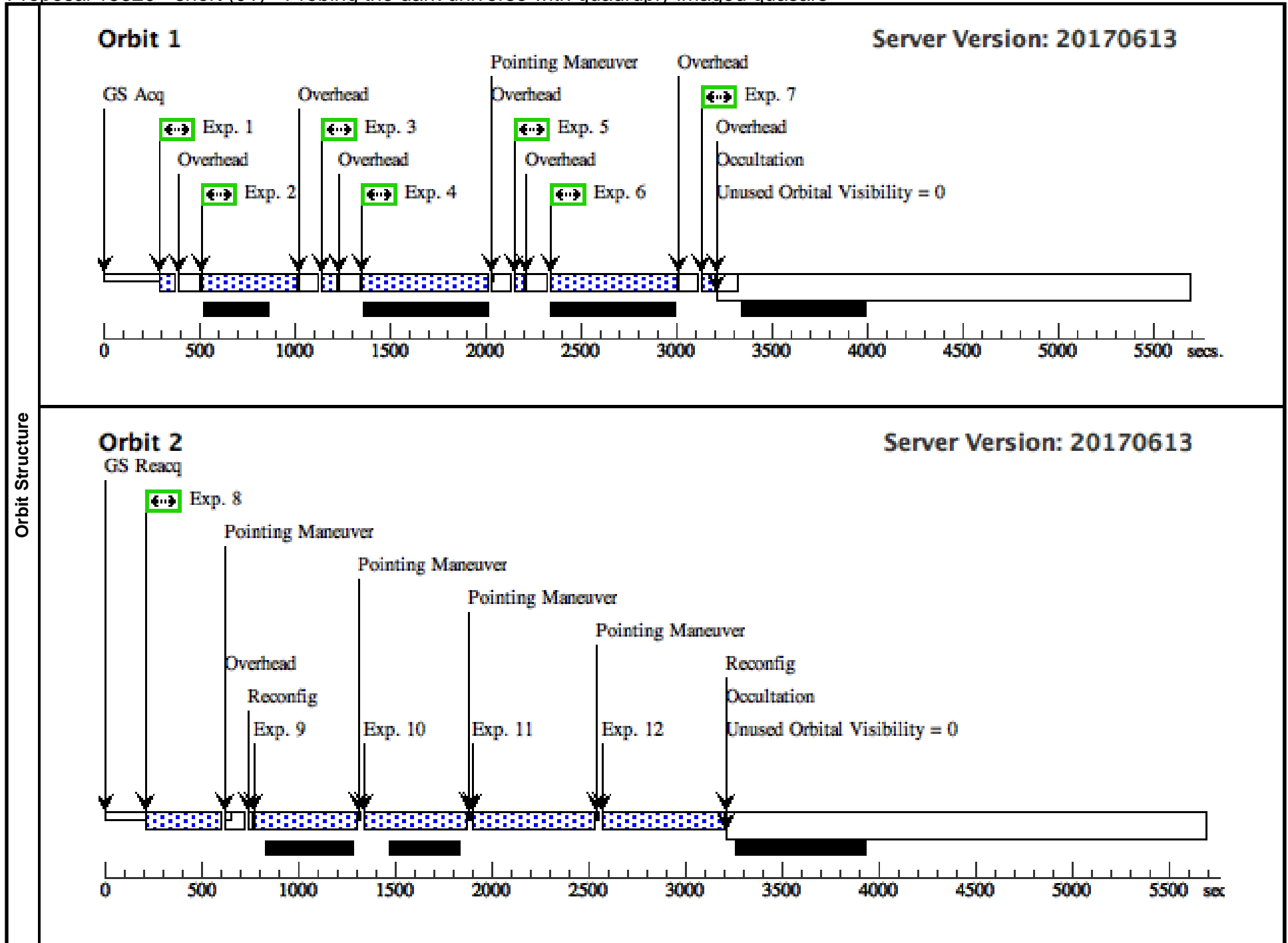
OBSERVING DESCRIPTION

We will obtain multicolor images of a sample of quadruply imaged quasar. For each target we will observe approximately 4 exposures in each filter. In the UVIS filters F475X and F814w we will use a 2-point dither pattern and obtain a short and long exposure at each position to avoid saturating the bright lens quasar. For the brightest system, short exposure are limited to 10s. For the other ones, 50 seconds. In the IR channel filter F160W we use a 4-point dither pattern, and STEP100 readout sequence to guarantee sufficient dynamic range to expose both the bright quasar and a the point source.

Proposal 15320 - short (01) - Probing the dark universe with quadruply imaged quasars

Wed Aug 02 17:02:45 GMT 2017

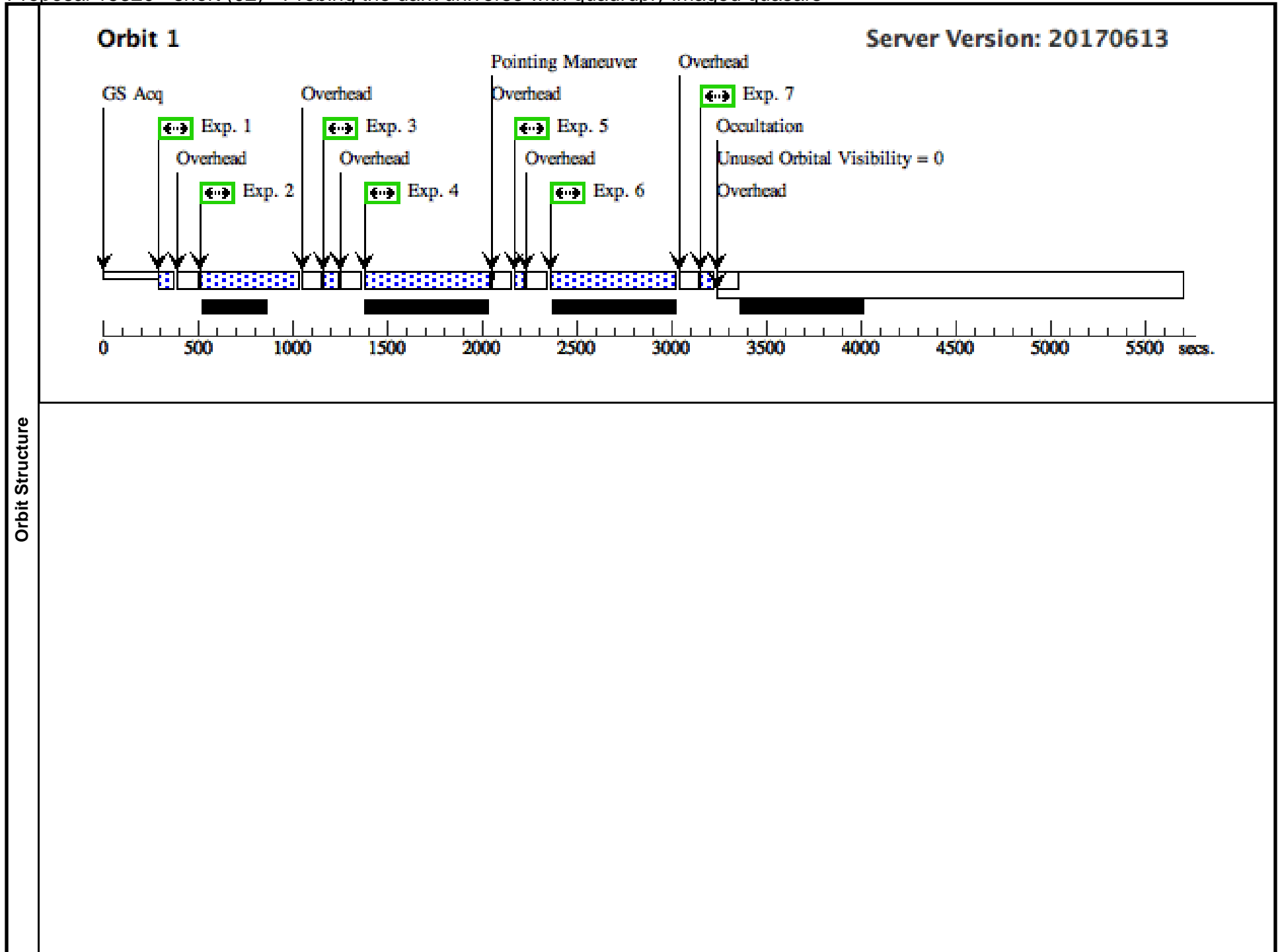
Visit	Proposal 15320, short (01), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSSJ0248+1913	RA: 02 48 48.7000 (42.2029167d) Dec: +19 13 31.00 (19.22528d) Equinox: J2000		V=21.0+/-0.5	Reference Frame: SDSS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) 3	SDSSJ0248+1913	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	2	(1) 3	SDSSJ0248+1913	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO			500 Secs (500 Secs) [==>]	[1]
	3	(1) 3	SDSSJ0248+1913	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	4	(1) 3	SDSSJ0248+1913	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO			664 Secs (664 Secs) [==>]	[1]
	5	(1) 3	SDSSJ0248+1913	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	6	(1) 3	SDSSJ0248+1913	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106		664 Secs (664 Secs) [==>]	[1]
	7	(1) 3	SDSSJ0248+1913	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	8	(1) 3	SDSSJ0248+1913	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106		394 Secs (394 Secs) [==>]	[2]
	9	(1) 3	SDSSJ0248+1913	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0		499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(1) 3	SDSSJ0248+1913	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002		499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(1) 3	SDSSJ0248+1913	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335		599.232292 Secs (599.232 Secs) [==>]	[2]
	12	(1) 3	SDSSJ0248+1913	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333		599.232292 Secs (599.232 Secs) [==>]	[2]

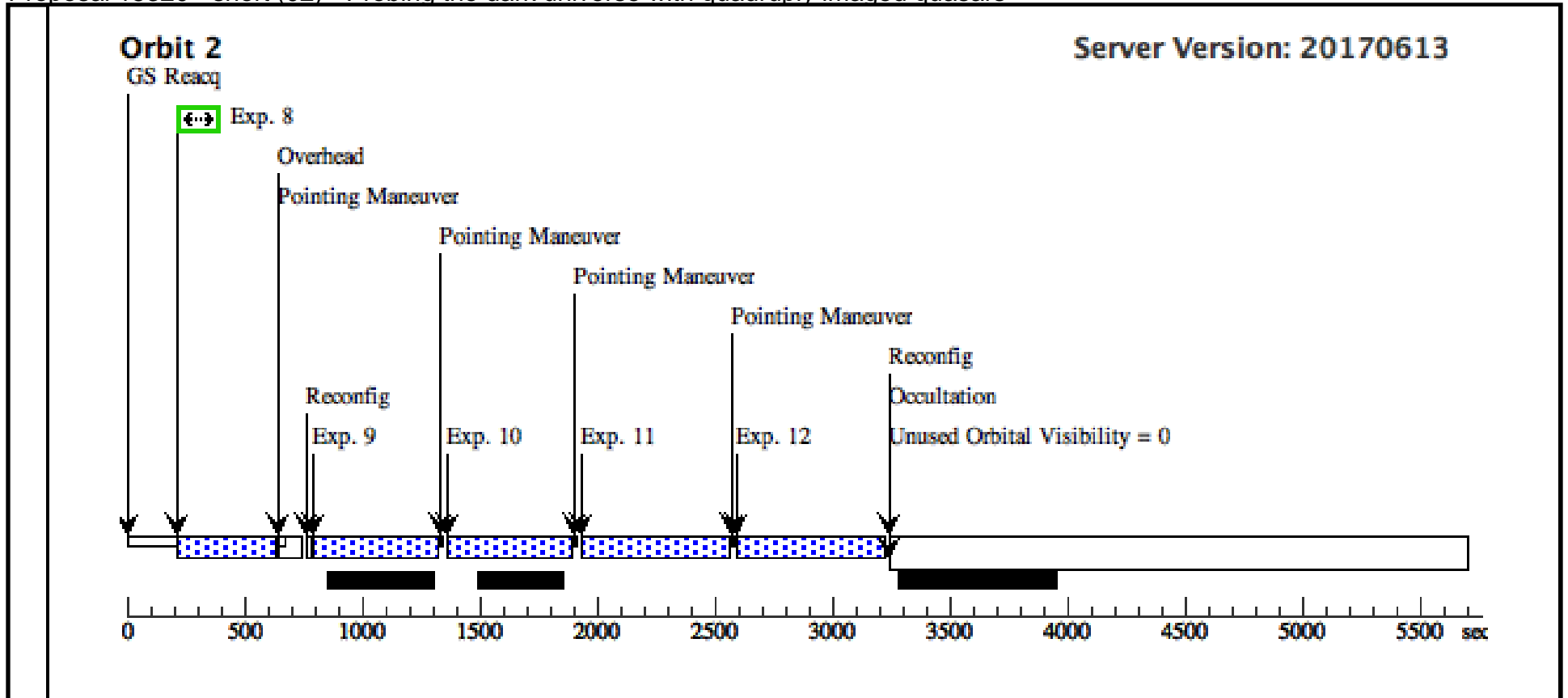


Proposal 15320 - short (02) - Probing the dark universe with quadruply imaged quasars

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Visit	Proposal 15320, short (02), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	DESJ0405-3308	RA: 04 05 59.7000 (61.4987500d) Dec: -33 08 51.00 (-33.14750d) Equinox: J2000			V=21.0+/-0.5	Reference Frame: DES			
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2)	DESJ0405-3308	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	2	(2)	DESJ0405-3308	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO			524 Secs (524 Secs) [==>]	[1]
	3	(2)	DESJ0405-3308	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	4	(2)	DESJ0405-3308	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO			664 Secs (664 Secs) [==>]	[1]
	5	(2)	DESJ0405-3308	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	6	(2)	DESJ0405-3308	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106		664 Secs (664 Secs) [==>]	[1]
	7	(2)	DESJ0405-3308	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	8	(2)	DESJ0405-3308	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106		418 Secs (418 Secs) [==>]	[2]
	9	(2)	DESJ0405-3308	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0		499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(2)	DESJ0405-3308	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002		499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(2)	DESJ0405-3308	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335		599.232292 Secs (599.232 Secs) [==>]	[2]
	12	(2)	DESJ0405-3308	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333		599.232292 Secs (599.232 Secs) [==>]	[2]

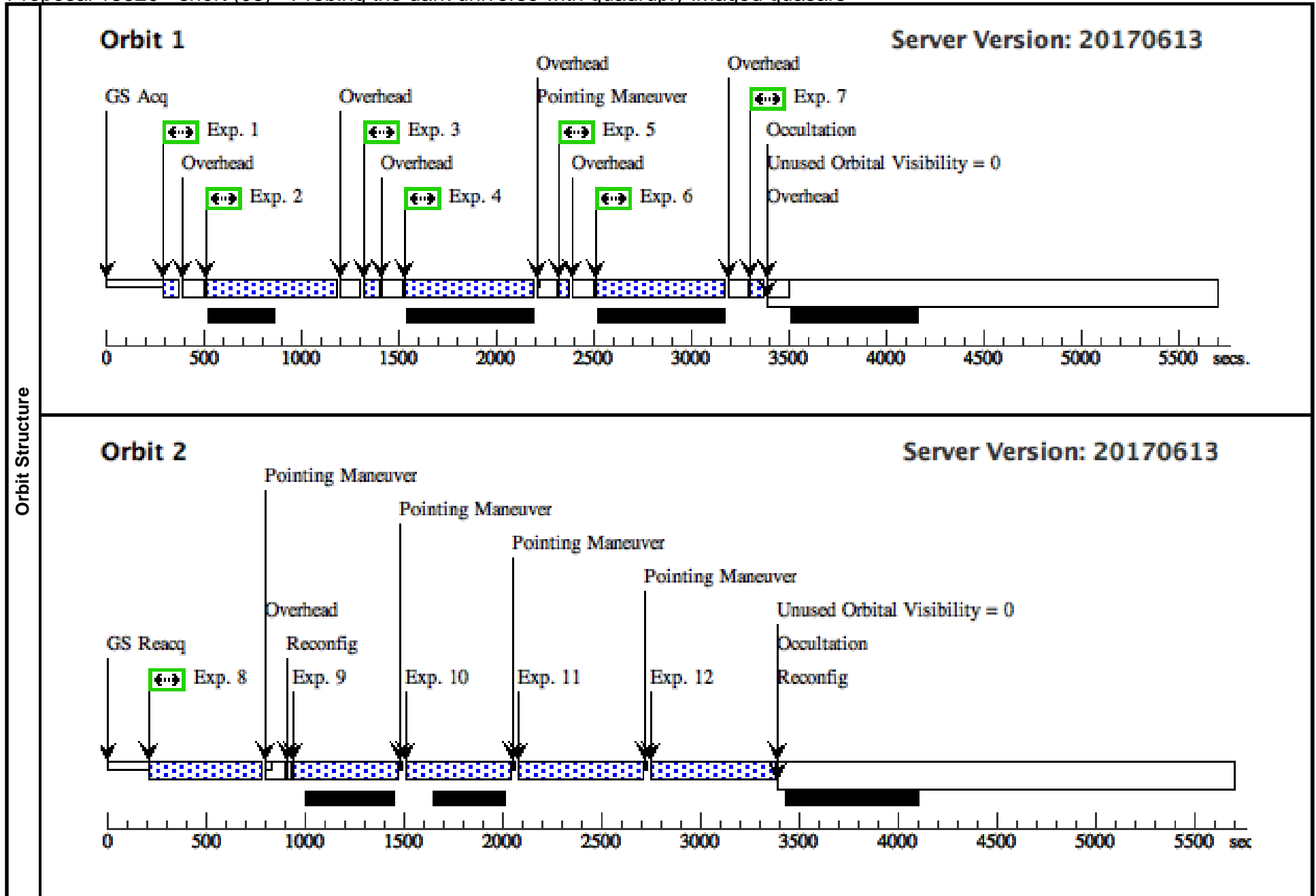




Proposal 15320 - short (03) - Probing the dark universe with quadruply imaged quasars

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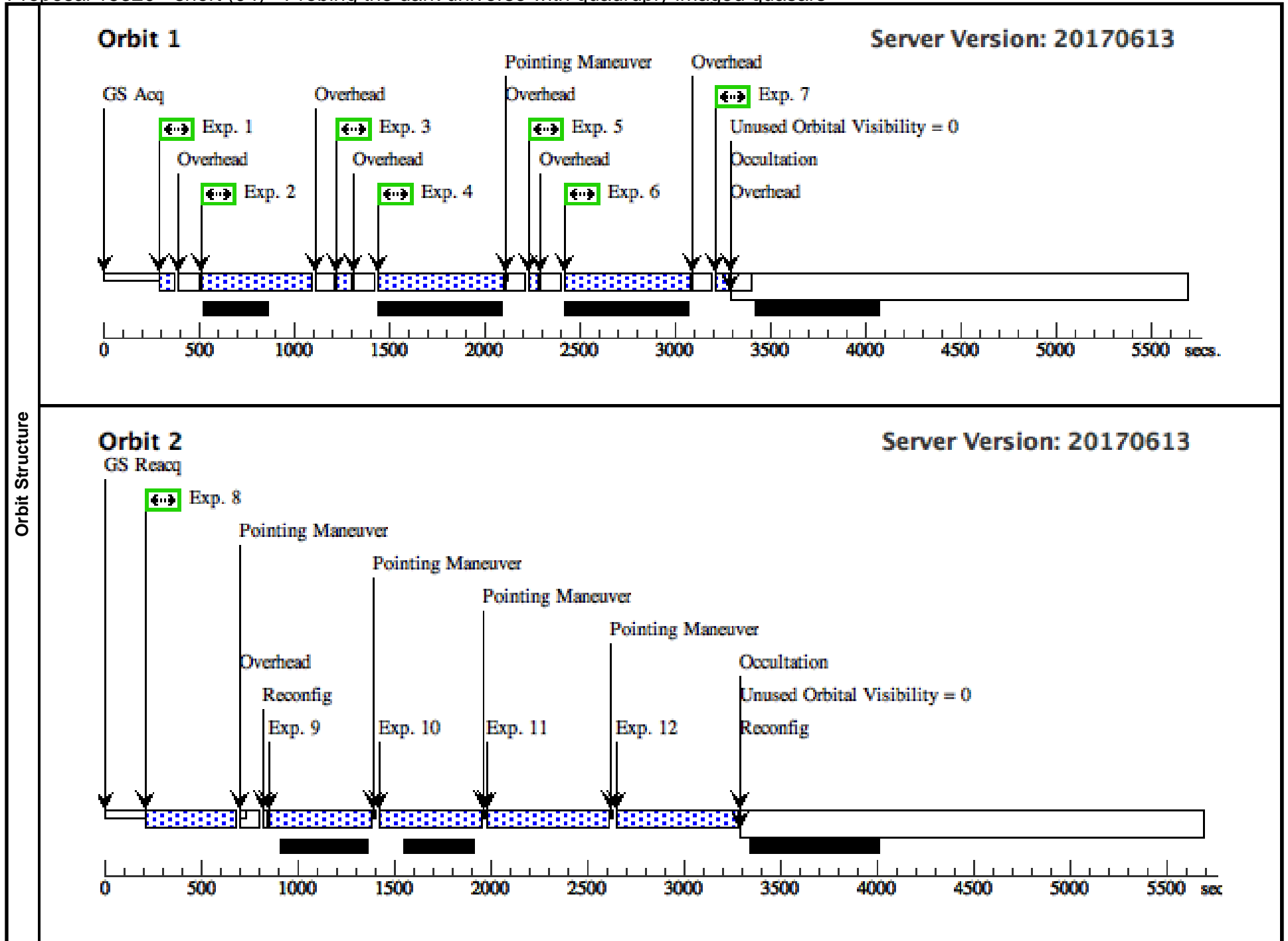
Visit	Proposal 15320, short (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 26D TO 86 D; ORIENT 127D TO 171 D; ORIENT 228D TO 248 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	DESJ0408-5354	RA: 04 08 21.7000 (62.0904167d) Dec: -53 53 58.00 (-53.89944d) Equinox: J2000			V=21.0+/-0.5	Reference Frame: DES			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) DESJ0408-5354	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	2	(3) DESJ0408-5354	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO				677 Secs (677 Secs) [==>]	[1]
	3	(3) DESJ0408-5354	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	4	(3) DESJ0408-5354	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO				664 Secs (664 Secs) [==>]	[1]
	5	(3) DESJ0408-5354	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	6	(3) DESJ0408-5354	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106			664 Secs (664 Secs) [==>]	[1]
	7	(3) DESJ0408-5354	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	8	(3) DESJ0408-5354	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106			571 Secs (571 Secs) [==>]	[2]
	9	(3) DESJ0408-5354	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP5 0	POS TARG 0.0,0.0			499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(3) DESJ0408-5354	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP5 0	POS TARG 5.962,2.002			499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(3) DESJ0408-5354	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP1 00	POS TARG 3.729,5.335			599.232292 Secs (599.232 Secs) [==>]	[2]
12	(3) DESJ0408-5354	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP1 00	POS TARG -2.233,3.333			599.232292 Secs (599.232 Secs) [==>]	[2]	



Proposal 15320 - short (04) - Probing the dark universe with quadruply imaged quasars

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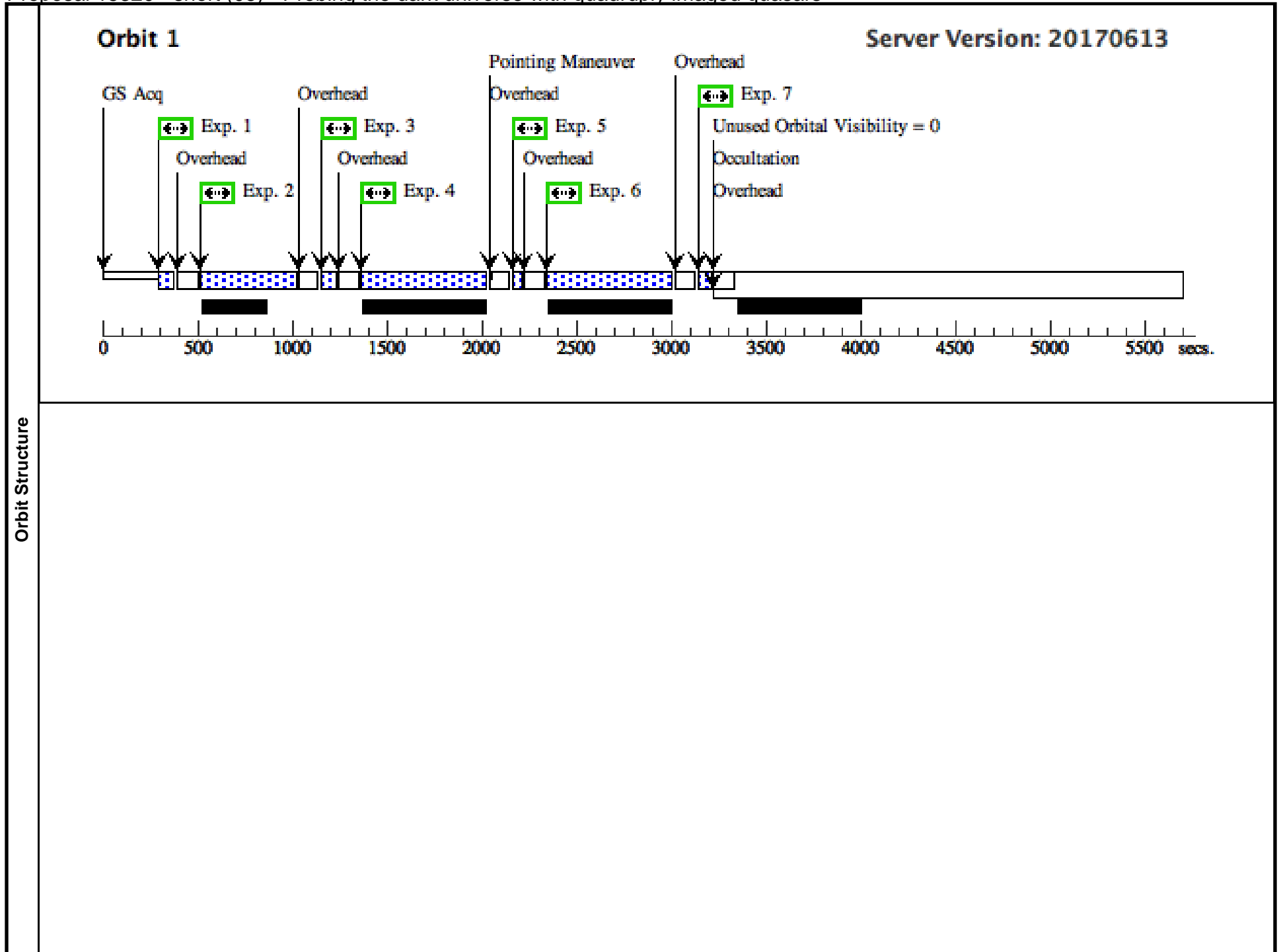
Visit	Proposal 15320, short (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 0D TO 16 D; ORIENT 81D TO 128 D; ORIENT 171D TO 196 D; ORIENT 261D TO 308 D; ORIENT 351D TO 359.99 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	DESJ0420-4037	RA: 04 20 46.7000 (65.1945833d) Dec: -40 37 27.00 (-40.62417d) Equinox: J2000			V=21.0+/-0.5	Reference Frame: DES			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) DESJ0420-4037	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	2	(4) DESJ0420-4037	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO				582 Secs (582 Secs) [==>]	[1]
	3	(4) DESJ0420-4037	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	4	(4) DESJ0420-4037	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO				664 Secs (664 Secs) [==>]	[1]
	5	(4) DESJ0420-4037	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	6	(4) DESJ0420-4037	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106			664 Secs (664 Secs) [==>]	[1]
	7	(4) DESJ0420-4037	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	8	(4) DESJ0420-4037	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106			476 Secs (476 Secs) [==>]	[2]
	9	(4) DESJ0420-4037	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP5 0	POS TARG 0.0,0.0			499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(4) DESJ0420-4037	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP5 0	POS TARG 5.962,2.002			499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(4) DESJ0420-4037	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP1 00	POS TARG 3.729,5.335			599.232292 Secs (599.232 Secs) [==>]	[2]
12	(4) DESJ0420-4037	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP1 00	POS TARG -2.233,3.333			599.232292 Secs (599.232 Secs) [==>]	[2]	

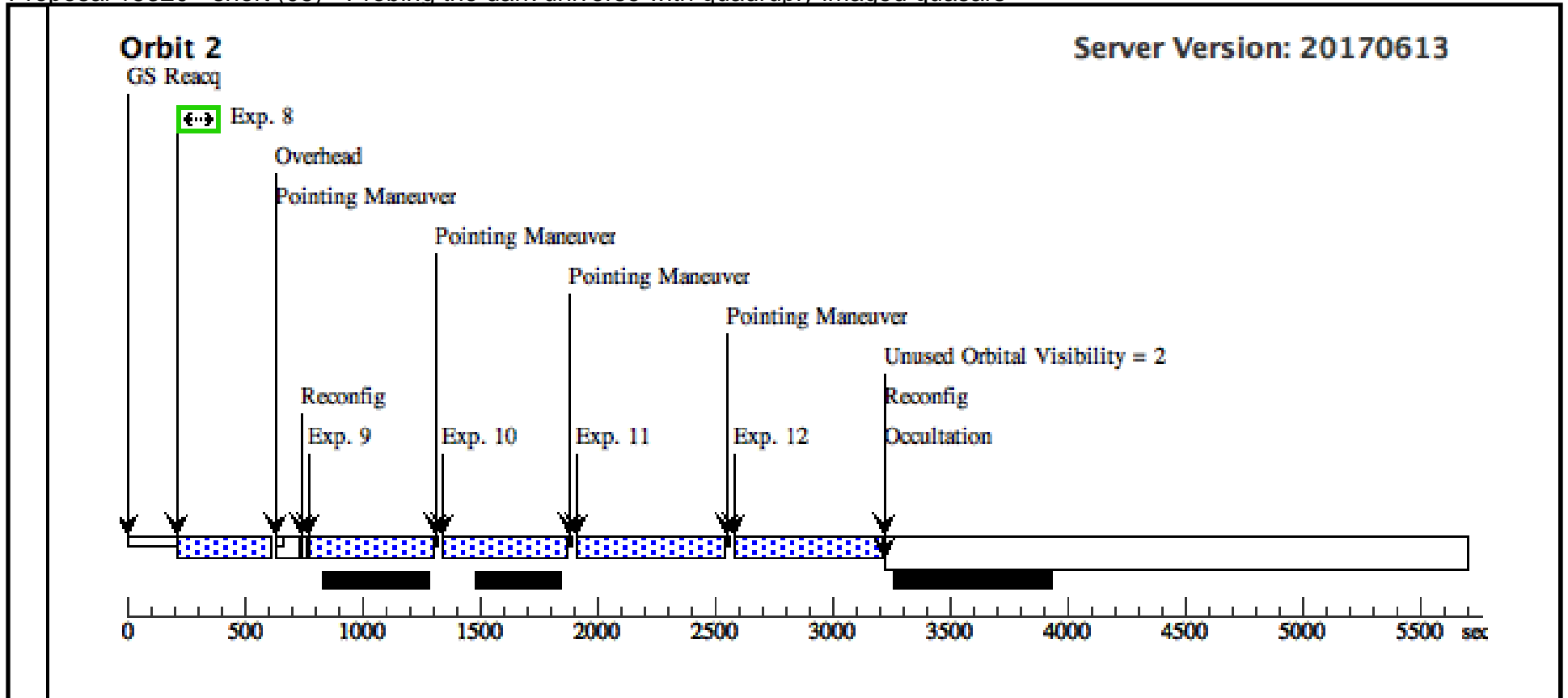


Proposal 15320 - short (05) - Probing the dark universe with quadruply imaged quasars

Wed Aug 02 17:02:46 GMT 2017

Visit	Proposal 15320, short (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	SDSSJ1251+2935	RA: 12 51 7.6000 (192.7816667d) Dec: +29 35 40.50 (29.59458d) Equinox: J2000		V=21.0+/-0.5	Reference Frame: SDSS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(5) 5	SDSSJ1251+2935	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	2	(5) 5	SDSSJ1251+2935	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO			509 Secs (509 Secs) [==>]	[1]
	3	(5) 5	SDSSJ1251+2935	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	4	(5) 5	SDSSJ1251+2935	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO			664 Secs (664 Secs) [==>]	[1]
	5	(5) 5	SDSSJ1251+2935	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	6	(5) 5	SDSSJ1251+2935	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106		664 Secs (664 Secs) [==>]	[1]
	7	(5) 5	SDSSJ1251+2935	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	8	(5) 5	SDSSJ1251+2935	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106		401 Secs (401 Secs) [==>]	[2]
	9	(5) 5	SDSSJ1251+2935	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0		499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(5) 5	SDSSJ1251+2935	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002		499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(5) 5	SDSSJ1251+2935	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335		599.232292 Secs (599.232 Secs) [==>]	[2]
	12	(5) 5	SDSSJ1251+2935	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333		599.232292 Secs (599.232 Secs) [==>]	[2]

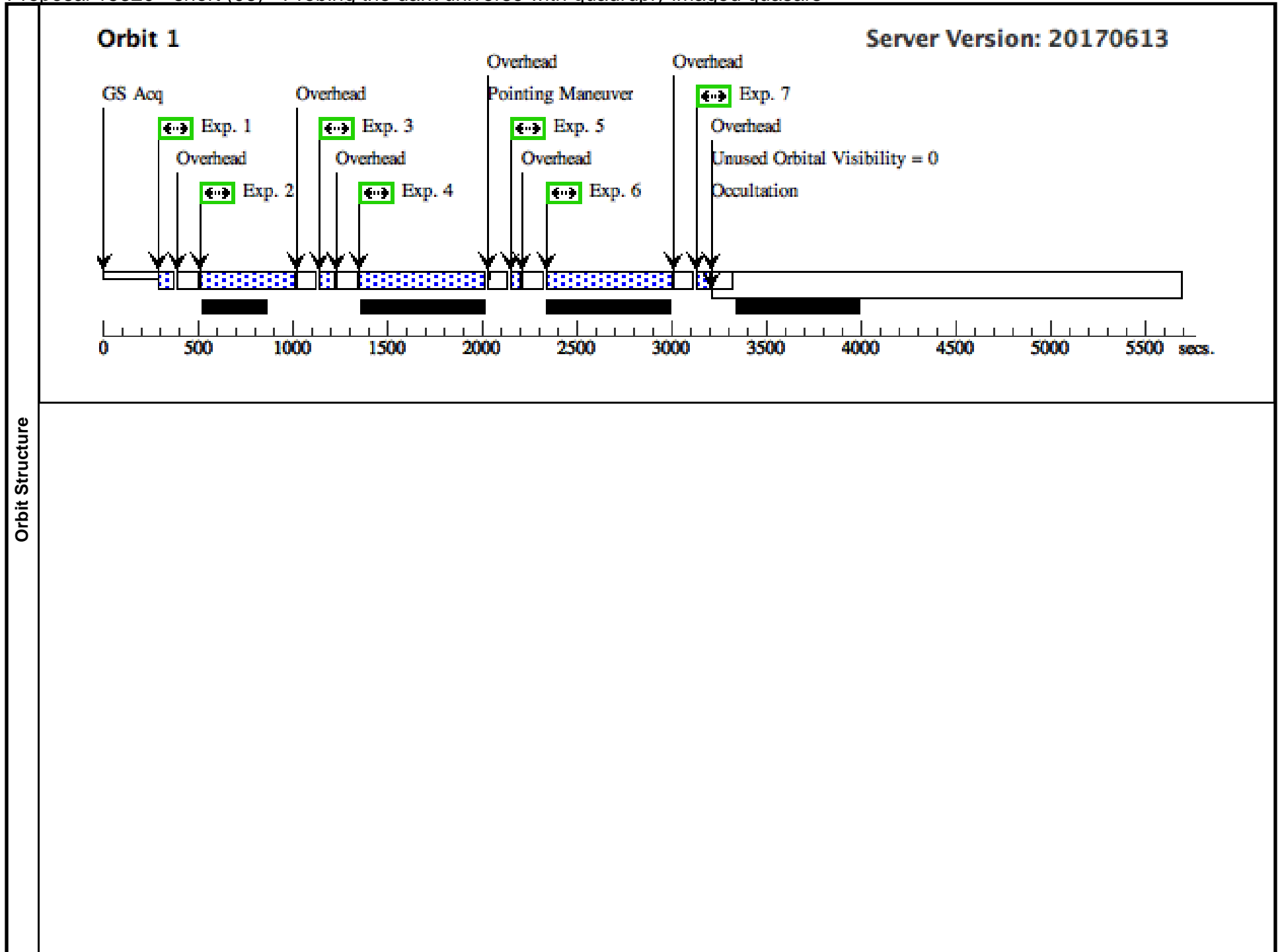


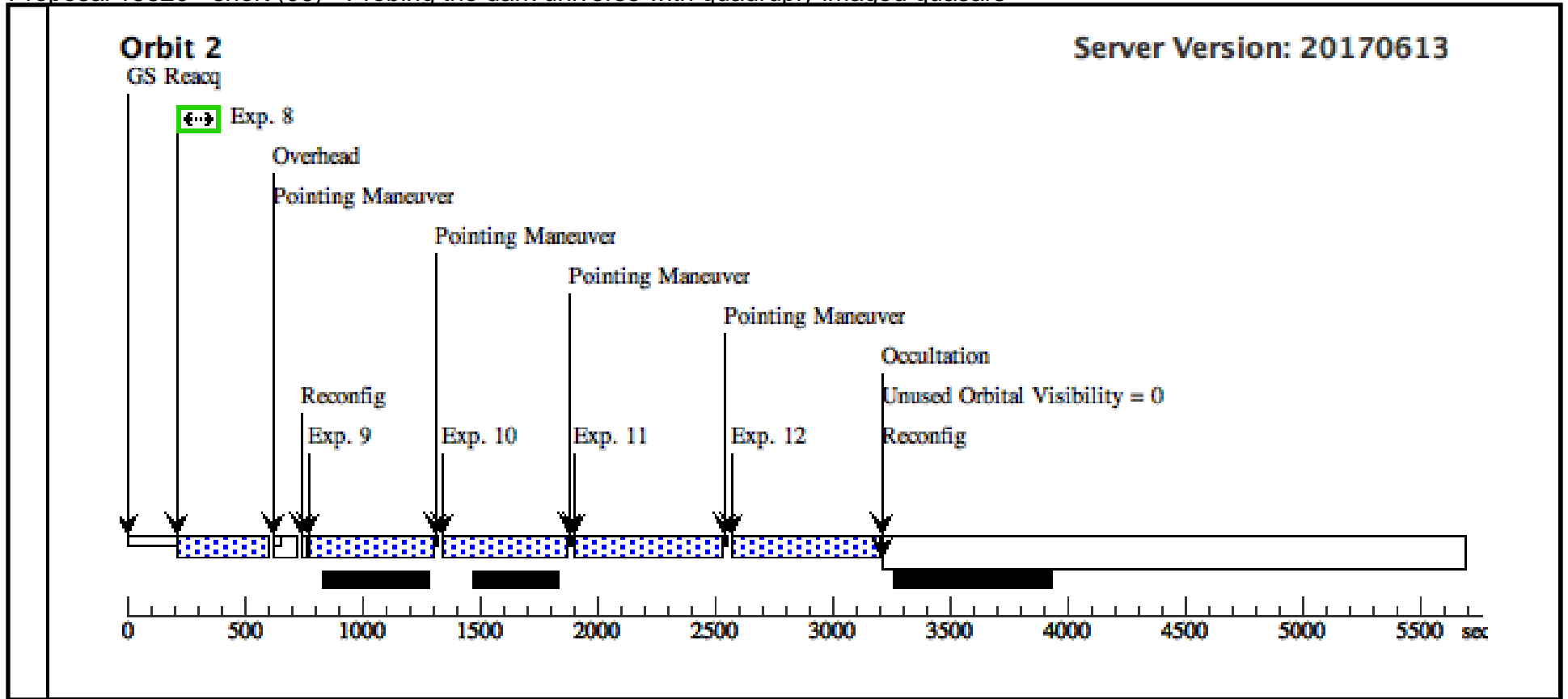


Proposal 15320 - short (06) - Probing the dark universe with quadruply imaged quasars

Wed Aug 02 17:02:46 GMT 2017

Visit	Proposal 15320, short (06), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(6)	SDSSJ1330+1810	RA: 13 30 18.6500 (202.5777083d) Dec: +18 10 32.10 (18.17558d) Equinox: J2000		V=21+/-0.5	Reference Frame: SDSS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(6) SDSSJ1330+1810	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	2	(6) SDSSJ1330+1810	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO				500 Secs (500 Secs) [==>]	[1]
	3	(6) SDSSJ1330+1810	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	4	(6) SDSSJ1330+1810	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO				664 Secs (664 Secs) [==>]	[1]
	5	(6) SDSSJ1330+1810	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	6	(6) SDSSJ1330+1810	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106			664 Secs (664 Secs) [==>]	[1]
	7	(6) SDSSJ1330+1810	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	8	(6) SDSSJ1330+1810	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106			394 Secs (394 Secs) [==>]	[2]
	9	(6) SDSSJ1330+1810	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP5	POS TARG 0.0,0.0			499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(6) SDSSJ1330+1810	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP5	POS TARG 5.962,2.002			499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(6) SDSSJ1330+1810	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP1	POS TARG 3.729,5.335			599.232292 Secs (599.232 Secs) [==>]	[2]
12	(6) SDSSJ1330+1810	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP1	POS TARG -2.233,3.333			599.232292 Secs (599.232 Secs) [==>]	[2]	

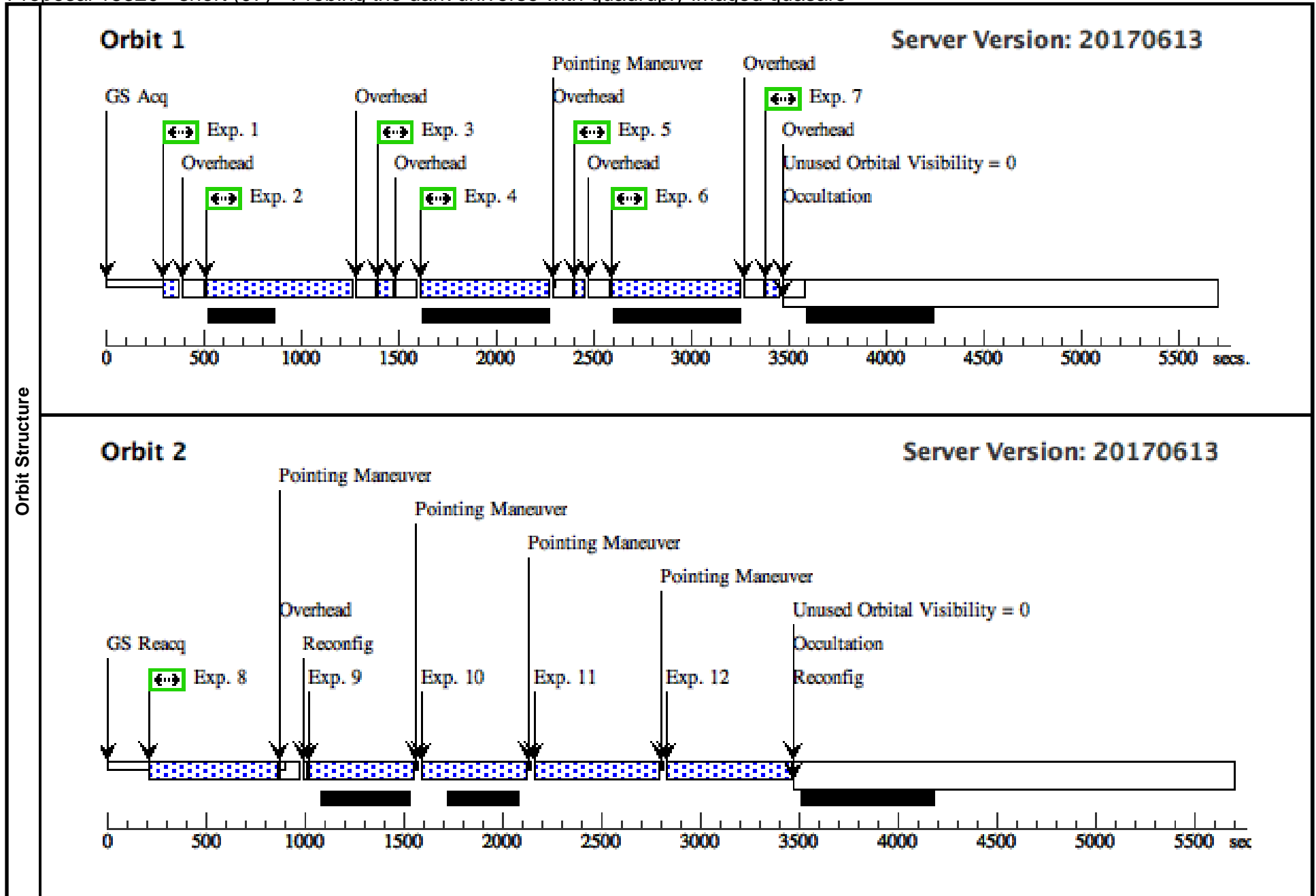




Proposal 15320 - short (07) - Probing the dark universe with quadruply imaged quasars

Wed Aug 02 17:02:46 GMT 2017

Visit	Proposal 15320, short (07), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(7)	SDSSJ1433+6007	RA: 14 33 22.8000 (218.3450000d) Dec: +60 07 13.40 (60.12039d) Equinox: J2000		V=21.0+/-0.5	Reference Frame: SDSS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(7) 7	SDSSJ1433+6007	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	2	(7) 7	SDSSJ1433+6007	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO			755 Secs (755 Secs) [==>]	[1]
	3	(7) 7	SDSSJ1433+6007	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	4	(7) 7	SDSSJ1433+6007	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO			664 Secs (664 Secs) [==>]	[1]
	5	(7) 7	SDSSJ1433+6007	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	6	(7) 7	SDSSJ1433+6007	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106		664 Secs (664 Secs) [==>]	[1]
	7	(7) 7	SDSSJ1433+6007	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	8	(7) 7	SDSSJ1433+6007	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106		649 Secs (649 Secs) [==>]	[2]
	9	(7) 7	SDSSJ1433+6007	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0		499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(7) 7	SDSSJ1433+6007	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002		499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(7) 7	SDSSJ1433+6007	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335		599.232292 Secs (599.232 Secs) [==>]	[2]
12	(7) 7	SDSSJ1433+6007	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333		599.232292 Secs (599.232 Secs) [==>]	[2]	



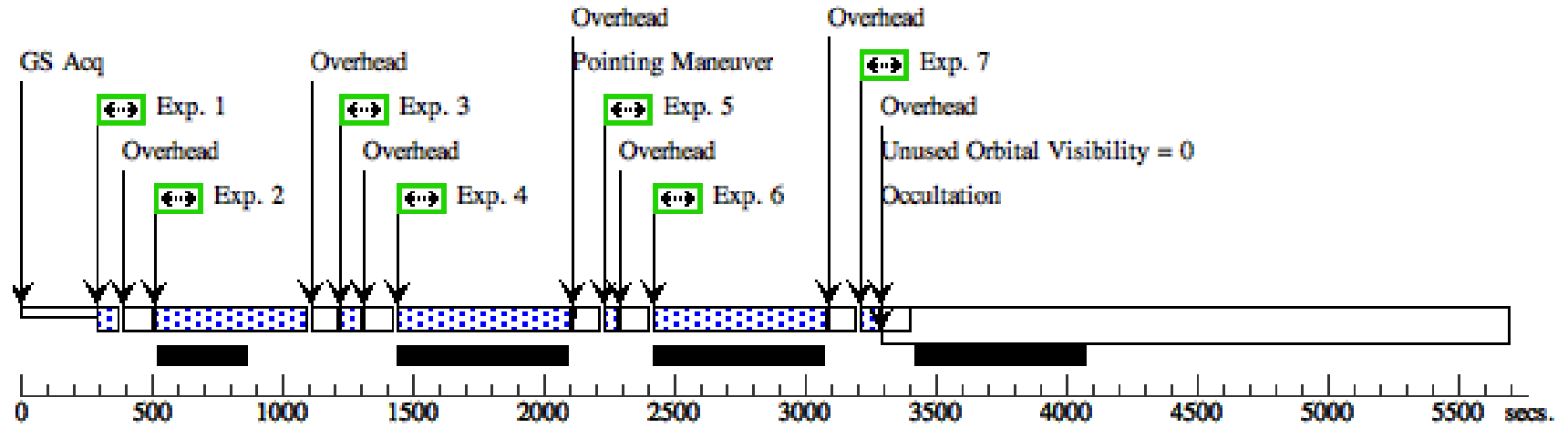
Proposal 15320 - short (08) - Probing the dark universe with quadruply imaged quasars

Wed Aug 02 17:02:46 GMT 2017

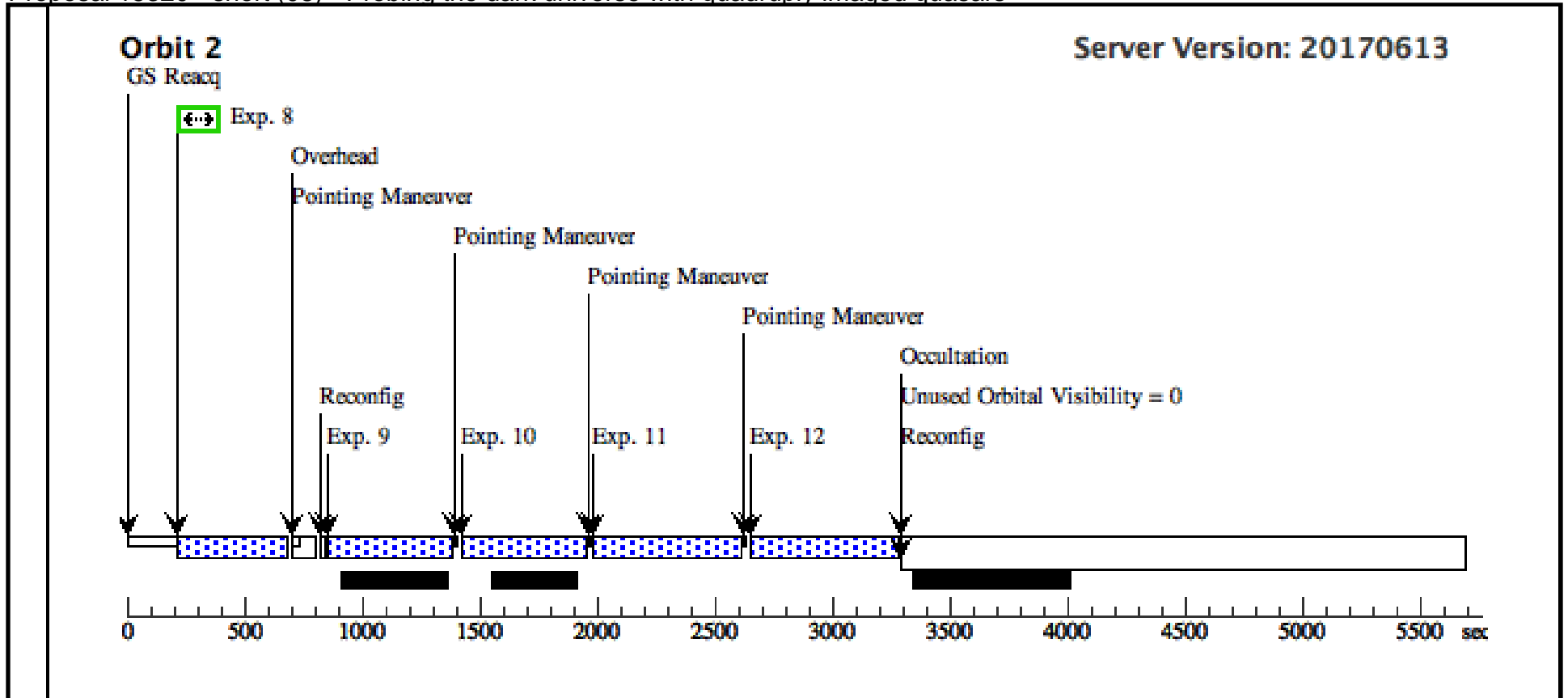
Visit	Proposal 15320, short (08), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(8)	DESJ2038-4008	RA: 20 38 2.6000 (309.5108333d) Dec: -40 08 13.20 (-40.13700d) Equinox: J2000			V=21.0+/-0.5	Reference Frame: DES			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) DESJ2038-4008	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	2	(8) DESJ2038-4008	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO				582 Secs (582 Secs) [==>]	[1]
	3	(8) DESJ2038-4008	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	4	(8) DESJ2038-4008	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO				664 Secs (664 Secs) [==>]	[1]
	5	(8) DESJ2038-4008	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	6	(8) DESJ2038-4008	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106			664 Secs (664 Secs) [==>]	[1]
	7	(8) DESJ2038-4008	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	8	(8) DESJ2038-4008	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106			476 Secs (476 Secs) [==>]	[2]
	9	(8) DESJ2038-4008	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP5 0	POS TARG 0.0,0.0			499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(8) DESJ2038-4008	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP5 0	POS TARG 5.962,2.002			499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(8) DESJ2038-4008	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP1 00	POS TARG 3.729,5.335			599.232292 Secs (599.232 Secs) [==>]	[2]
12	(8) DESJ2038-4008	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP1 00	POS TARG -2.233,3.333			599.232292 Secs (599.232 Secs) [==>]	[2]	

Orbit 1

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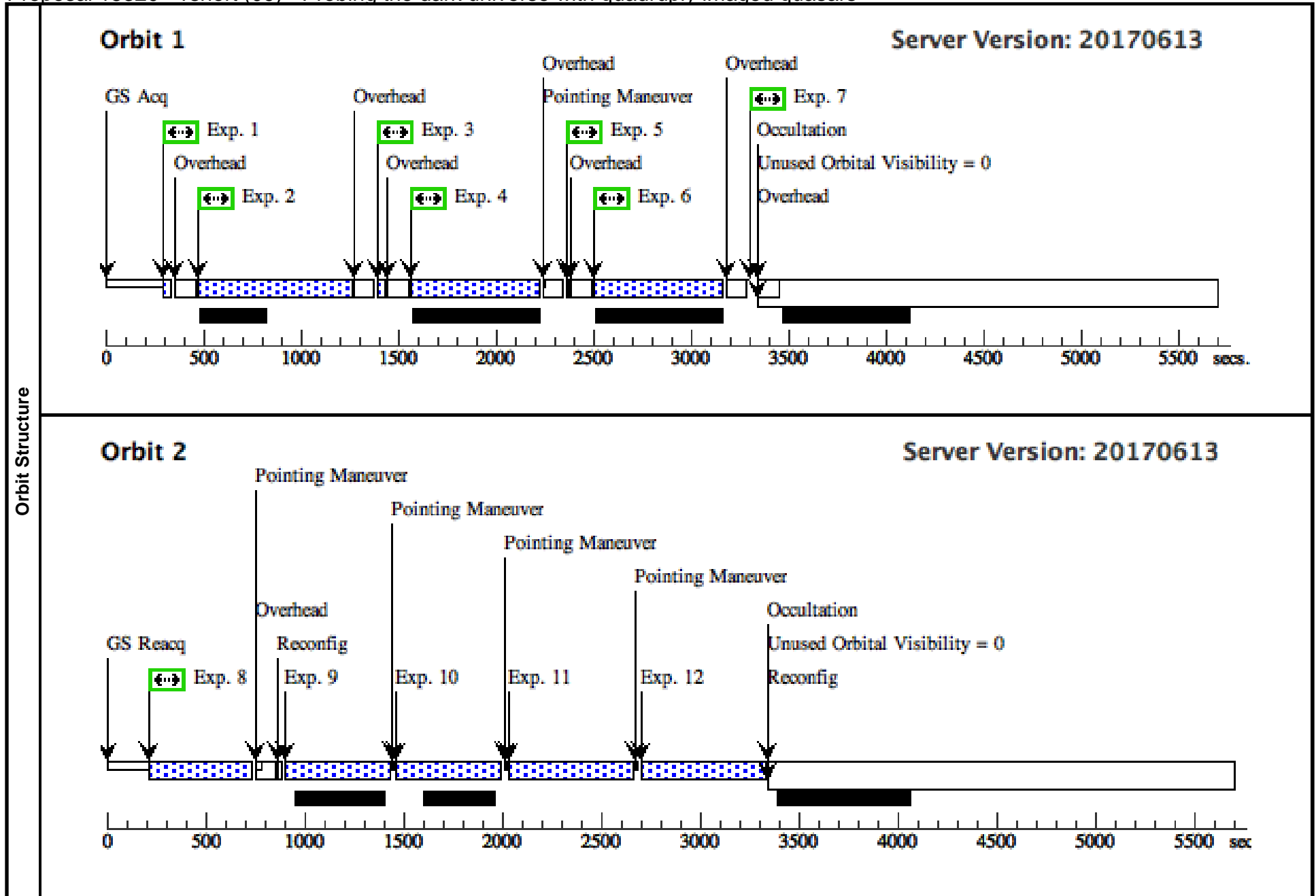
Orbit Structure



Proposal 15320 - vshort (09) - Probing the dark universe with quadruply imaged quasars

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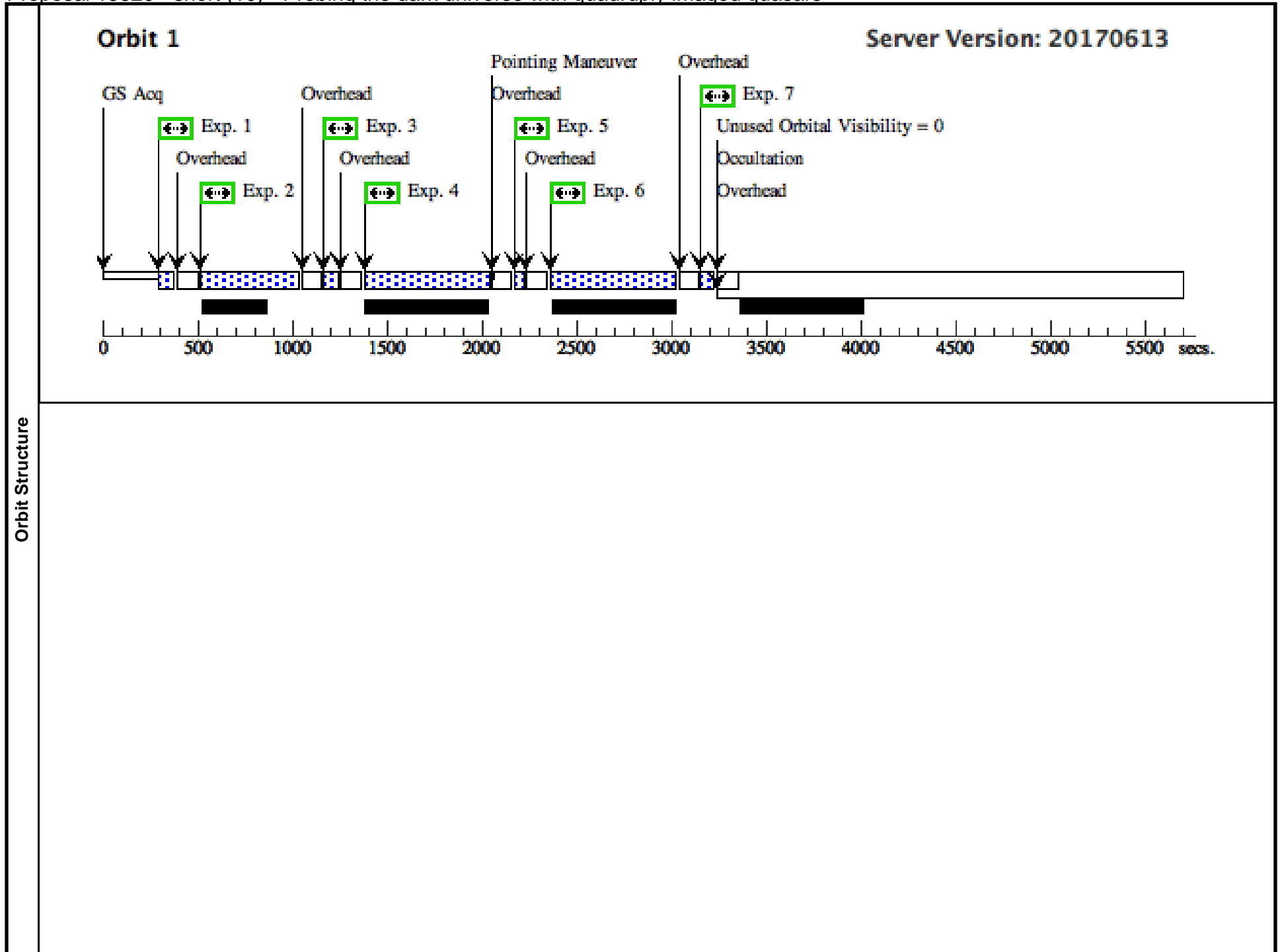
Visit	Proposal 15320, vshort (09), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 0D TO 48 D; ORIENT 68D TO 90 D; ORIENT 125D TO 138 D; ORIENT 158D TO 228 D; ORIENT 248D TO 270 D; ORIENT 305D TO 318 D; ORIENT 338D TO 359.99 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	PSJ0147+4630	RA: 01 47 10.1500 (26.7922917d) Dec: +46 30 40.58 (46.51127d) Equinox: J2000			V=15+/-0.5	Reference Frame: PS	<i>Comments: Extended=YES</i>		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) PSJ0147+4630	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12				10 Secs (10 Secs) [==>]	[1]
	2	(9) PSJ0147+4630	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO				789 Secs (789 Secs) [==>]	[1]
	3	(9) PSJ0147+4630	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12				10 Secs (10 Secs) [==>]	[1]
	4	(9) PSJ0147+4630	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO				664 Secs (664 Secs) [==>]	[1]
	5	(9) PSJ0147+4630	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			10 Secs (10 Secs) [==>]	[1]
	6	(9) PSJ0147+4630	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106			664 Secs (664 Secs) [==>]	[1]
	7	(9) PSJ0147+4630	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			10 Secs (10 Secs) [==>]	[1]
	8	(9) PSJ0147+4630	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106			523 Secs (523 Secs) [==>]	[2]
	9	(9) PSJ0147+4630	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0			499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(9) PSJ0147+4630	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002			499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(9) PSJ0147+4630	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335			599.232292 Secs (599.232 Secs) [==>]	[2]
12	(9) PSJ0147+4630	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333			599.232292 Secs (599.232 Secs) [==>]	[2]	

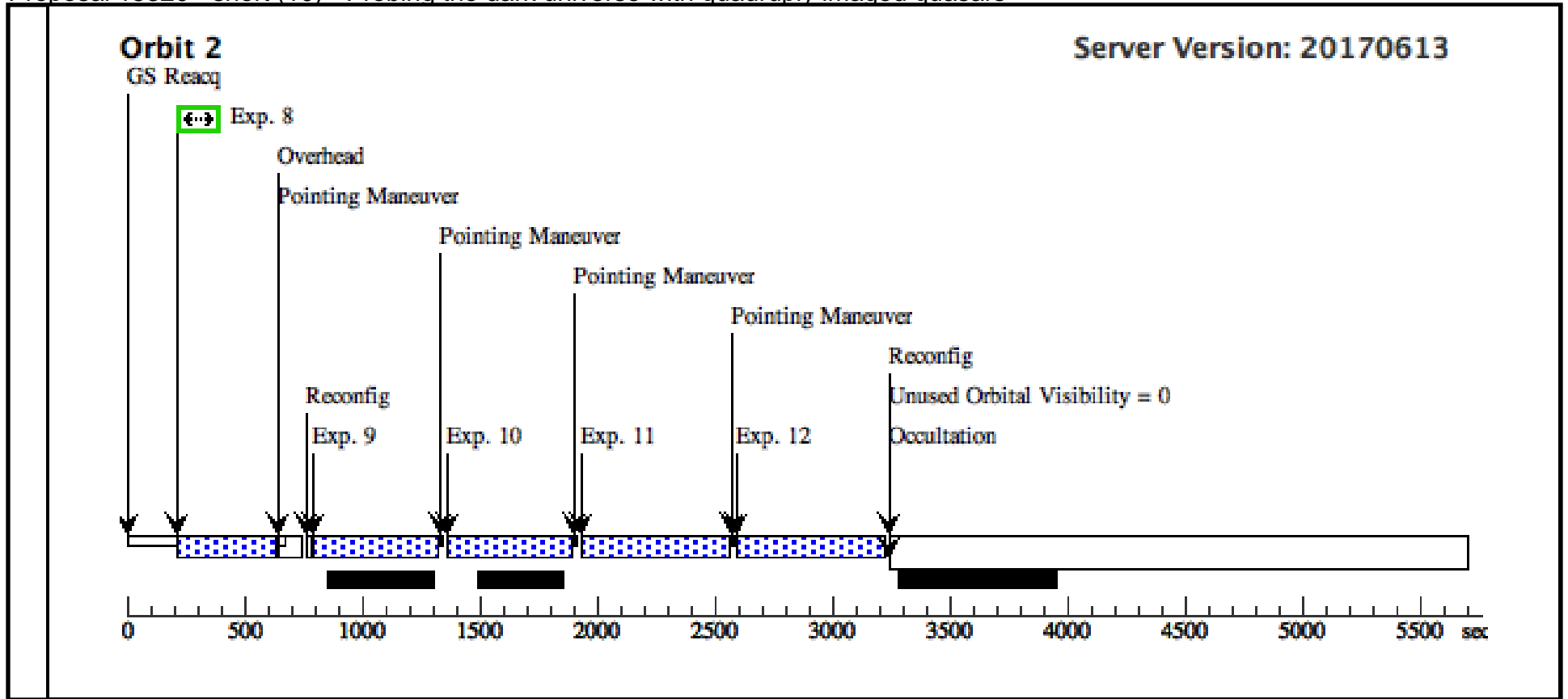


Proposal 15320 - short (10) - Probing the dark universe with quadruply imaged quasars

Wed Aug 02 17:02:46 GMT 2017

Visit	Proposal 15320, short (10), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(10)	ATLASJ2344-3056	RA: 23 44 17.0000 (356.0708333d) Dec: -30 56 26.20 (-30.94061d) Equinox: J2000		V=21.0+/-0.5	Reference Frame: ATLAS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) ATLASJ2344-3056	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	2		(10) ATLASJ2344-3056	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO			524 Secs (524 Secs) [==>]	[1]
	3		(10) ATLASJ2344-3056	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	4		(10) ATLASJ2344-3056	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO			664 Secs (664 Secs) [==>]	[1]
	5		(10) ATLASJ2344-3056	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	6		(10) ATLASJ2344-3056	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106		664 Secs (664 Secs) [==>]	[1]
	7		(10) ATLASJ2344-3056	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	8		(10) ATLASJ2344-3056	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106		418 Secs (418 Secs) [==>]	[2]
	9		(10) ATLASJ2344-3056	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0		499.234285 Secs (499.234 Secs) [==>]	[2]
	10		(10) ATLASJ2344-3056	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002		499.234285 Secs (499.234 Secs) [==>]	[2]
	11		(10) ATLASJ2344-3056	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335		599.232292 Secs (599.232 Secs) [==>]	[2]
	12		(10) ATLASJ2344-3056	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333		599.232292 Secs (599.232 Secs) [==>]	[2]





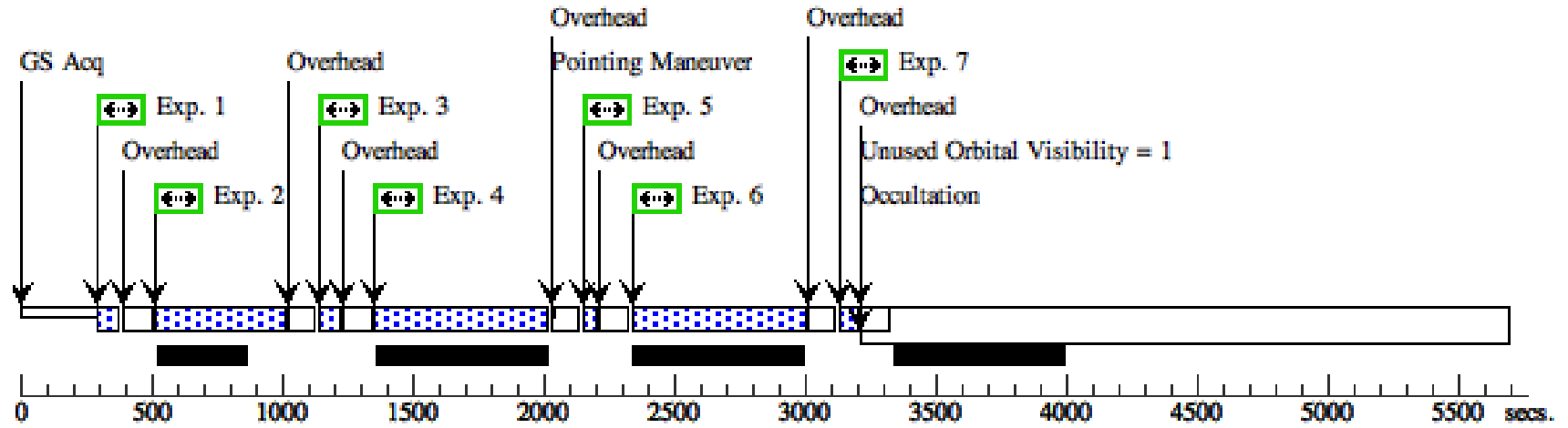
Proposal 15320 - short (11) - Probing the dark universe with quadruply imaged quasars

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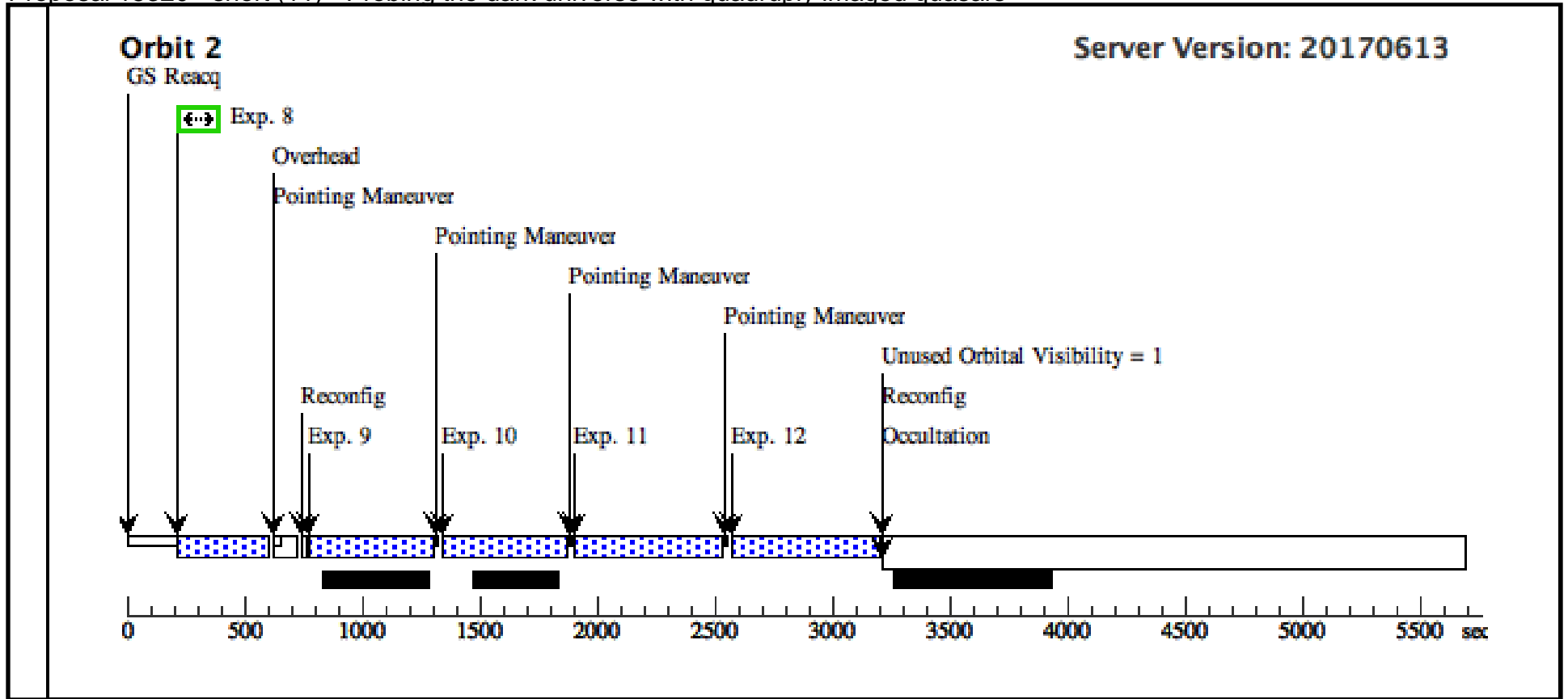
Visit	Proposal 15320, short (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(11)	PSJ1606-2333	RA: 16 06 0.1800 (241.5007500d) Dec: -23 33 22.04 (-23.55612d) Equinox: J2000 <i>Comments: Extended=YES</i>			V=18.1+/-0.1	Reference Frame: PS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) PSJ1606-2333	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	2		(11) PSJ1606-2333	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO			500 Secs (500 Secs) [==>]	[1]
	3		(11) PSJ1606-2333	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	4		(11) PSJ1606-2333	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO			664 Secs (664 Secs) [==>]	[1]
	5		(11) PSJ1606-2333	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	6		(11) PSJ1606-2333	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106		664 Secs (664 Secs) [==>]	[1]
	7		(11) PSJ1606-2333	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	8		(11) PSJ1606-2333	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106		394 Secs (394 Secs) [==>]	[2]
	9		(11) PSJ1606-2333	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0		499.234285 Secs (499.234 Secs) [==>]	[2]
	10		(11) PSJ1606-2333	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002		499.234285 Secs (499.234 Secs) [==>]	[2]
	11		(11) PSJ1606-2333	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335		599.232292 Secs (599.232 Secs) [==>]	[2]
12		(11) PSJ1606-2333	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333		599.232292 Secs (599.232 Secs) [==>]	[2]	

Orbit 1

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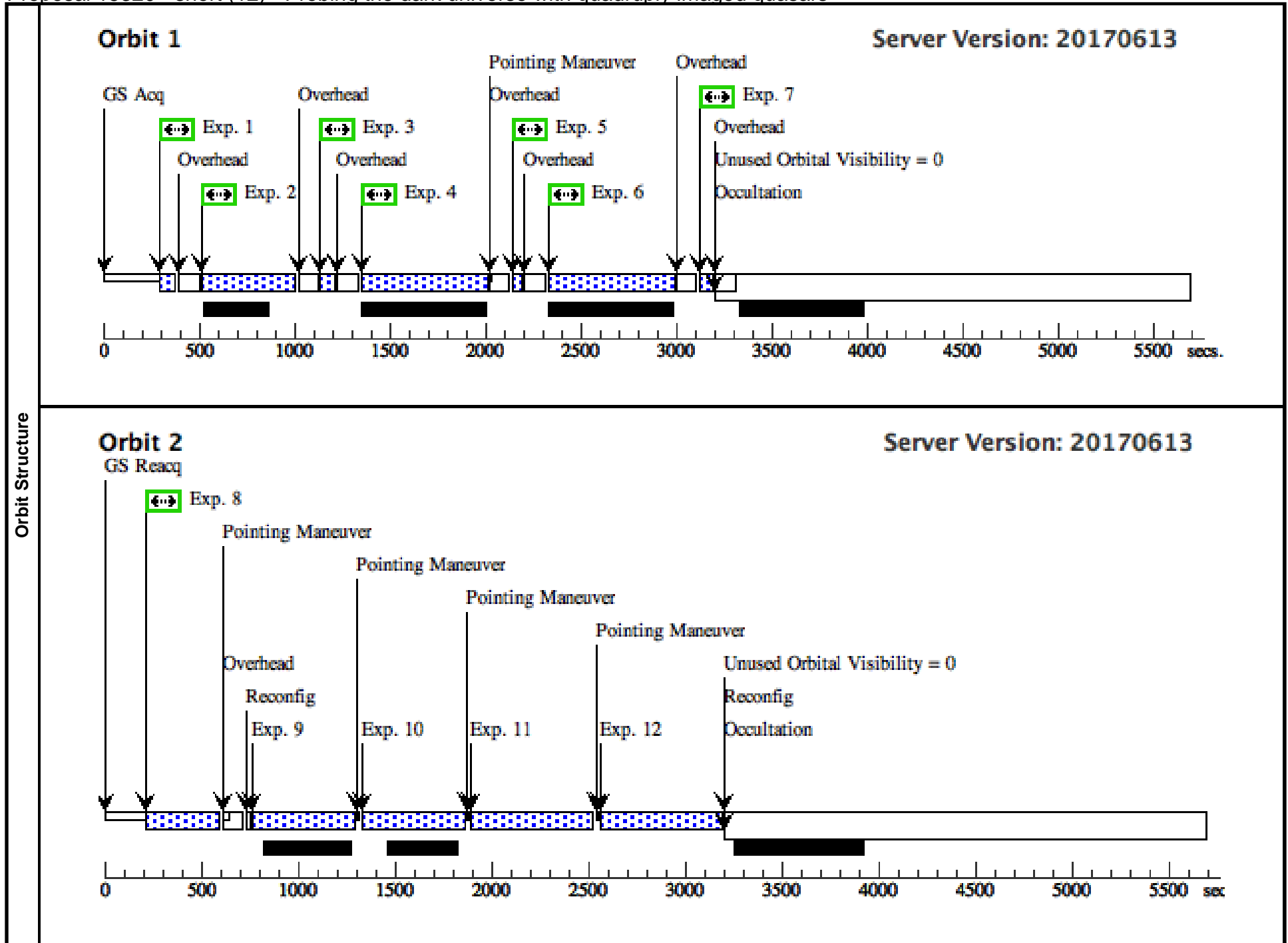
Orbit Structure



Proposal 15320 - short (12) - Probing the dark universe with quadruply imaged quasars

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Visit	Proposal 15320, short (12), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 0D TO 59 D; ORIENT 79D TO 100 D; ORIENT 135D TO 149 D; ORIENT 169D TO 239 D; ORIENT 259D TO 280 D; ORIENT 315D TO 329 D; ORIENT 349D TO 359.99 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(12)	PSJ0630-1201	RA: 06 30 9.1100 (97.5379583d) Dec: -12 01 20.03 (-12.02223d) Equinox: J2000		V=19.3+/-0.1	Reference Frame: PS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(12) PSJ0630-1201	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	2	(12) PSJ0630-1201	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO				493 Secs (493 Secs) [==>]	[1]
	3	(12) PSJ0630-1201	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12				50 Secs (50 Secs) [==>]	[1]
	4	(12) PSJ0630-1201	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO				664 Secs (664 Secs) [==>]	[1]
	5	(12) PSJ0630-1201	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	6	(12) PSJ0630-1201	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106			664 Secs (664 Secs) [==>]	[1]
	7	(12) PSJ0630-1201	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106			50 Secs (50 Secs) [==>]	[1]
	8	(12) PSJ0630-1201	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106			387 Secs (387 Secs) [==>]	[2]
	9	(12) PSJ0630-1201	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0			499.234285 Secs (499.234 Secs) [==>]	[2]
	10	(12) PSJ0630-1201	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002			499.234285 Secs (499.234 Secs) [==>]	[2]
	11	(12) PSJ0630-1201	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335			599.232292 Secs (599.232 Secs) [==>]	[2]
12	(12) PSJ0630-1201	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333			599.232292 Secs (599.232 Secs) [==>]	[2]	



Proposal 15320 - short (13) - Probing the dark universe with quadruply imaged quasars

Wed Aug 02 17:02:46 GMT 2017

Visit	Proposal 15320, short (13), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(13)	WISEJ0259-1635	RA: 02 59 42.8600 (44.9285833d) Dec: -16 35 43.08 (-16.59530d) Equinox: J2000			V=21+/-0.5	Reference Frame: DES			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(13) WISEJ0259-1635	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	2		(13) WISEJ0259-1635	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO			500 Secs (500 Secs) [==>]	[1]
	3		(13) WISEJ0259-1635	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12			50 Secs (50 Secs) [==>]	[1]
	4		(13) WISEJ0259-1635	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO			664 Secs (664 Secs) [==>]	[1]
	5		(13) WISEJ0259-1635	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	6		(13) WISEJ0259-1635	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	POS TARG 0.099,0.106		664 Secs (664 Secs) [==>]	[1]
	7		(13) WISEJ0259-1635	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO; FLASH=12	POS TARG 0.099,0.106		50 Secs (50 Secs) [==>]	[1]
	8		(13) WISEJ0259-1635	WFC3/UVIS, ACCUM, UVIS2	F475X	CR-SPLIT=NO	POS TARG 0.099,0.106		394 Secs (394 Secs) [==>]	[2]
	9		(13) WISEJ0259-1635	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 0.0,0.0		499.234285 Secs (499.234 Secs) [==>]	[2]
	10		(13) WISEJ0259-1635	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 5.962,2.002		499.234285 Secs (499.234 Secs) [==>]	[2]
	11		(13) WISEJ0259-1635	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG 3.729,5.335		599.232292 Secs (599.232 Secs) [==>]	[2]
12		(13) WISEJ0259-1635	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=12; SAMP-SEQ=STEP100	POS TARG -2.233,3.333		599.232292 Secs (599.232 Secs) [==>]	[2]	

