



14608 - Host galaxies of high-redshift quasars with extreme outflows

Cycle: 24, 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) SDSSJ0006+1215	ACS/WFC WFC3/IR	2	09-Nov-2016 11:24:51.0	yes
02	(2) SDSSJ0832+1615	ACS/WFC WFC3/IR	2	09-Nov-2016 11:24:52.0	yes
03	(3) SDSSJ0834+0159	ACS/WFC WFC3/IR	2	09-Nov-2016 11:24:54.0	yes
04	(4) SDSSJ1031+2903	ACS/WFC WFC3/IR	2	09-Nov-2016 11:24:55.0	yes
05	(5) SDSSJ1046+0243	ACS/WFC WFC3/IR	2	09-Nov-2016 11:24:56.0	yes
06	(6) SDSSJ1110+1930	ACS/WFC WFC3/IR	2	09-Nov-2016 11:24:58.0	yes

Proposal 14608 (STScI Edit Number: 3, Created: Wednesday, November 9, 2016 11:25:21 AM EST) - Overview

<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>
07	(7) SDSSJ1232+0912	ACS/WFC WFC3/IR	2	09-Nov-2016 11:24:59.0	yes
08	(8) SDSSJ1316+0453	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:00.0	yes
09	(9) SDSSJ1652+1728	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:01.0	yes
10	(10) SDSSJ2215-0056	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:02.0	yes
11	(11) SDSSJ2323-0100	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:04.0	yes
12	(12) SDSSJ1356+0730	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:05.0	yes
13	(13) SDSSJ0134-0234	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:06.0	yes
14	(14) SDSSJ0936+1019	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:08.0	yes
15	(15) SDSSJ1217+0234	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:09.0	yes
16	(16) SDSSJ1550+0806	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:10.0	yes
17	(17) SDSSJ1604+5633	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:11.0	yes
18	(18) SDSSJ1625+1445	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:13.0	yes
19	(19) SDSSJ0958+5000	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:14.0	yes
20	(20) SDSSJ0805+4541	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:15.0	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>
21	(21) SDSSJ0913+2344	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:16.0	yes
22	(22) SDSSJ0932+4614	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:17.0	yes
23	(23) SDSSJ1013+3427	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:18.0	yes
24	(24) SDSSJ1714+4148	ACS/WFC WFC3/IR	2	09-Nov-2016 11:25:19.0	yes

48 Total Orbits Used

ABSTRACT

Feedback from accreting supermassive black holes is now a standard ingredient in galaxy formation models. It has long been speculated that powerful quasars, triggered in major gas-rich mergers, had a profound impact on galaxy formation via quasar-driven winds. This process must have been at its peak during the epoch of most active galaxy formation and quasar activity at $z=2-3$, yet there is not yet any direct observational support for this long-hypothesized process. We have discovered a population of extremely luminous ($L > 1e47$ erg/s) red quasars with peculiar line properties at $z=2-3$ which show unprecedented signatures of powerful $v > 2000$ km/s outflows in their [OIII]5007A lines. We propose to image eleven of these objects with the HST in two filters, one probing rest-frame UV and one probing the rest-frame optical. The rest-frame optical observations will directly probe the dynamical state and extent of the hosts of luminous obscured quasars and search for companions and merger signatures. We will determine the masses of the stellar component to determine if the bulges of the quasar hosts have already become apparent in this epoch. Using the rest-frame UV observations, we will probe the distribution of the gas in quasar hosts by observing the morphology of ongoing star formation and scattered light from the central engine. Our targets are the best candidates to probe the long-speculated merger-driven scenario for quasar activity, and our proposed HST observations will definitively determine whether this process drives the evolution of massive galaxies.

OBSERVING DESCRIPTION

We will image high-redshift quasars for one orbit with ACS / F814W and for one orbit with WFC3 / F140W (or F160W). The goal is to try to detect the host galaxy, so we would like to optimize PSF sampling and dynamic range. There are no saturation concerns.

Proposal 14608 (STScI Edit Number: 3, Created: Wednesday, November 9, 2016 11:25:21 AM EST) - Overview

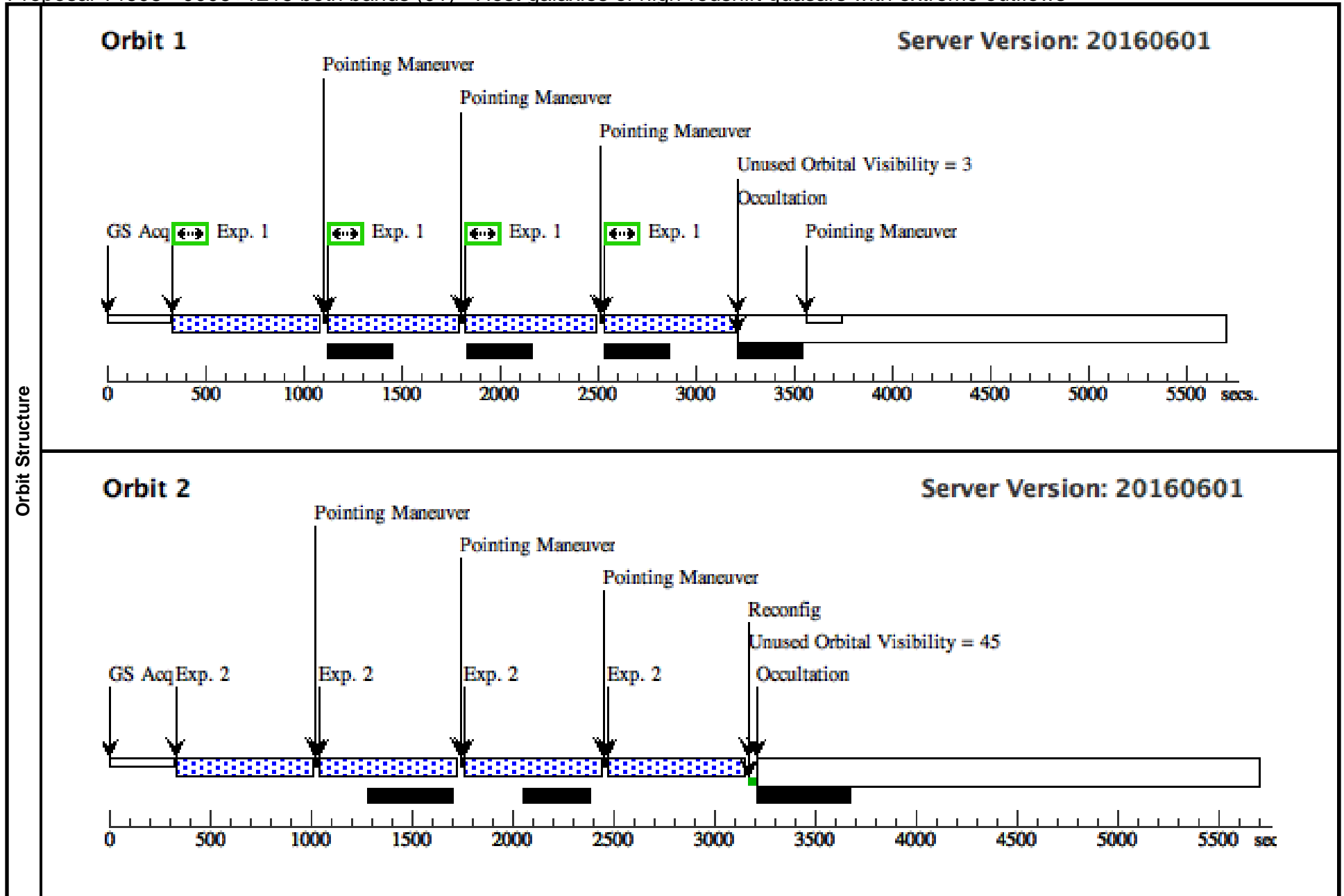
Instrument, filter and exposure times: We will observe each object for 1 orbit in the blue (ACS/F814W) and 1 orbit in the red (WFC3/F140W or F160W suitably chosen depending on the object's redshift).

Dither: we are using standard dithers with non-whole number of pixels to optimize PSF sampling.

Proposal 14608 - 0006+1215 both bands (01) - Host galaxies of high-redshift quasars with extreme outflows

Wed Nov 09 16:25:21 GMT 2016

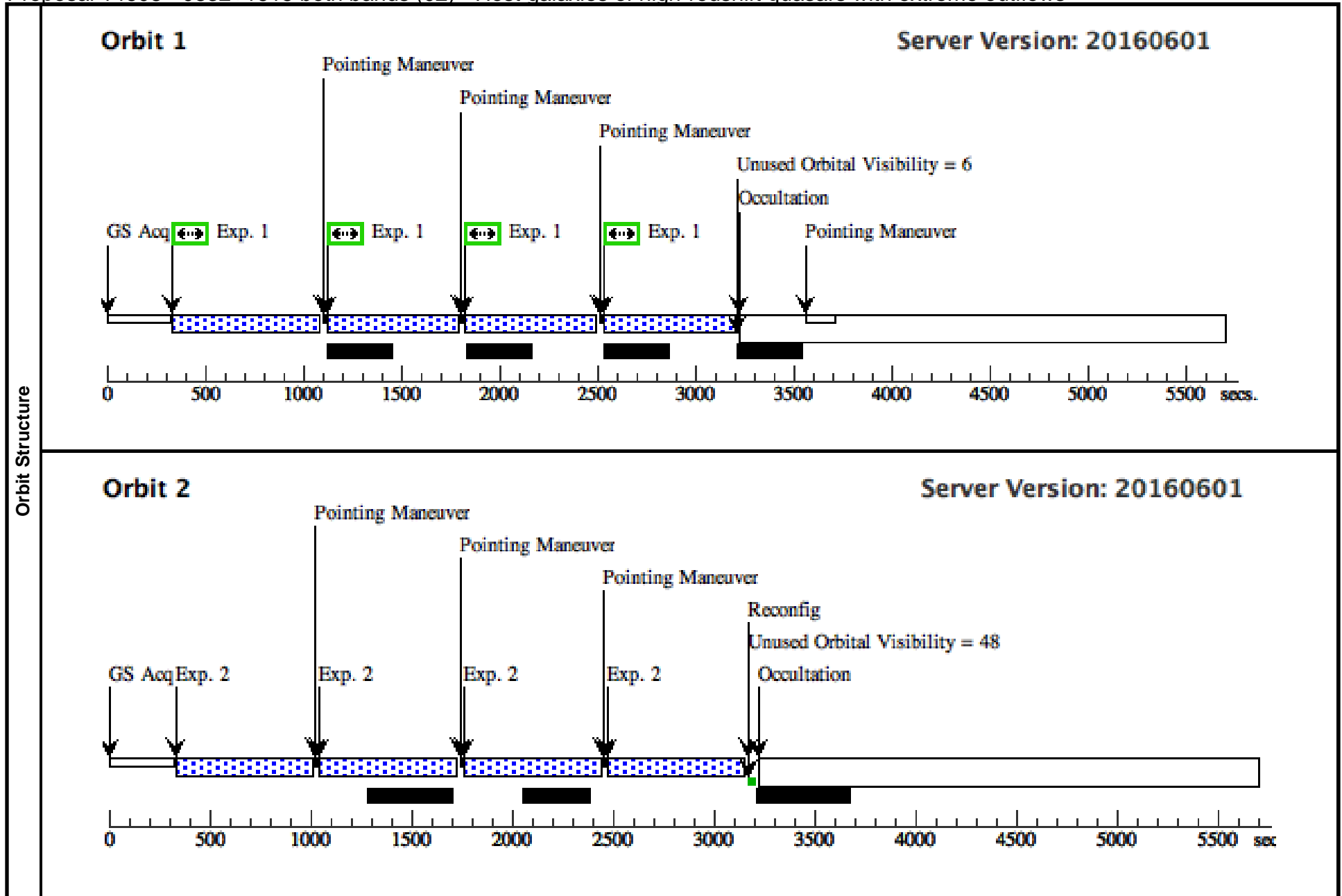
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Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SDSSJ0006+1215	RA: 00 06 10.6699 (1.5444579d) Dec: +12 15 1.20 (12.25033d) Equinox: J2000		V=22.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0006p1215b luc	(1) SDSSJ0006+1215 5	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 0006+1215 both bands (01) (1)	400 Secs (2188 Secs) [==>547.0 Secs (Pattern 1)] [==>547.0 Secs (Pattern 2)] [==>547.0 Secs (Pattern 3)] [==>547.0 Secs (Pattern 4)]
2	0006p1215r ed	(1) SDSSJ0006+1215 5	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 0006+1215 both bands (01) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 14608 - 0832+1615 both bands (02) - Host galaxies of high-redshift quasars with extreme outflows

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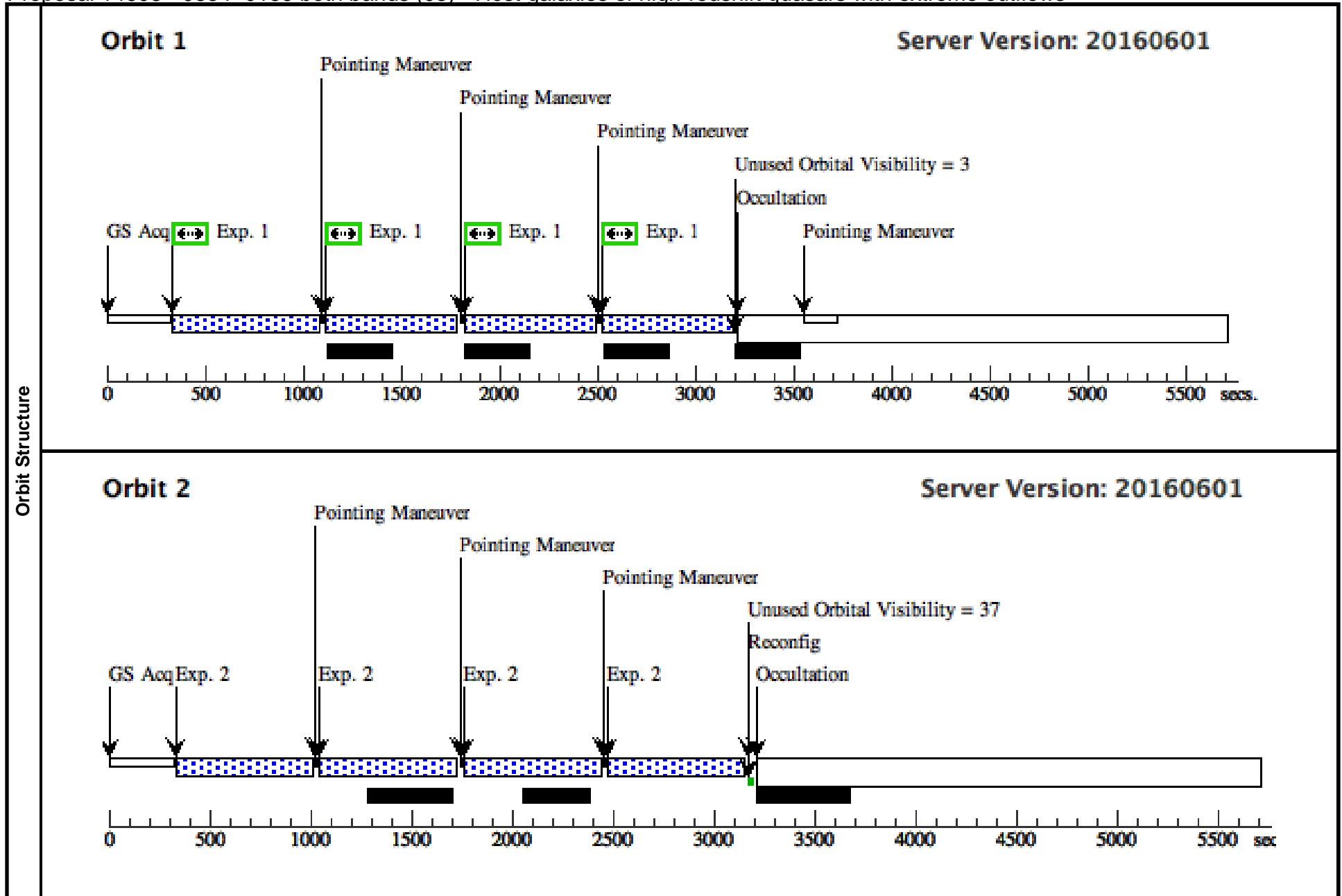
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	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	SDSSJ0832+1615	RA: 08 32 0.1999 (128.0008329d) Dec: +16 15 0.40 (16.25011d) Equinox: J2000		V=21.4	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0832p1615blue	(2) SDSSJ0832+1615	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 0832+1615 both bands (02) (1)	400 Secs (2188 Secs) [=>547.0 Secs (Pattern 1)] [=>547.0 Secs (Pattern 2)] [=>547.0 Secs (Pattern 3)] [=>547.0 Secs (Pattern 4)]
2	0832p1615red	(2) SDSSJ0832+1615	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 0832+1615 both bands (02) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 14608 - 0834+0159 both bands (03) - Host galaxies of high-redshift quasars with extreme outflows

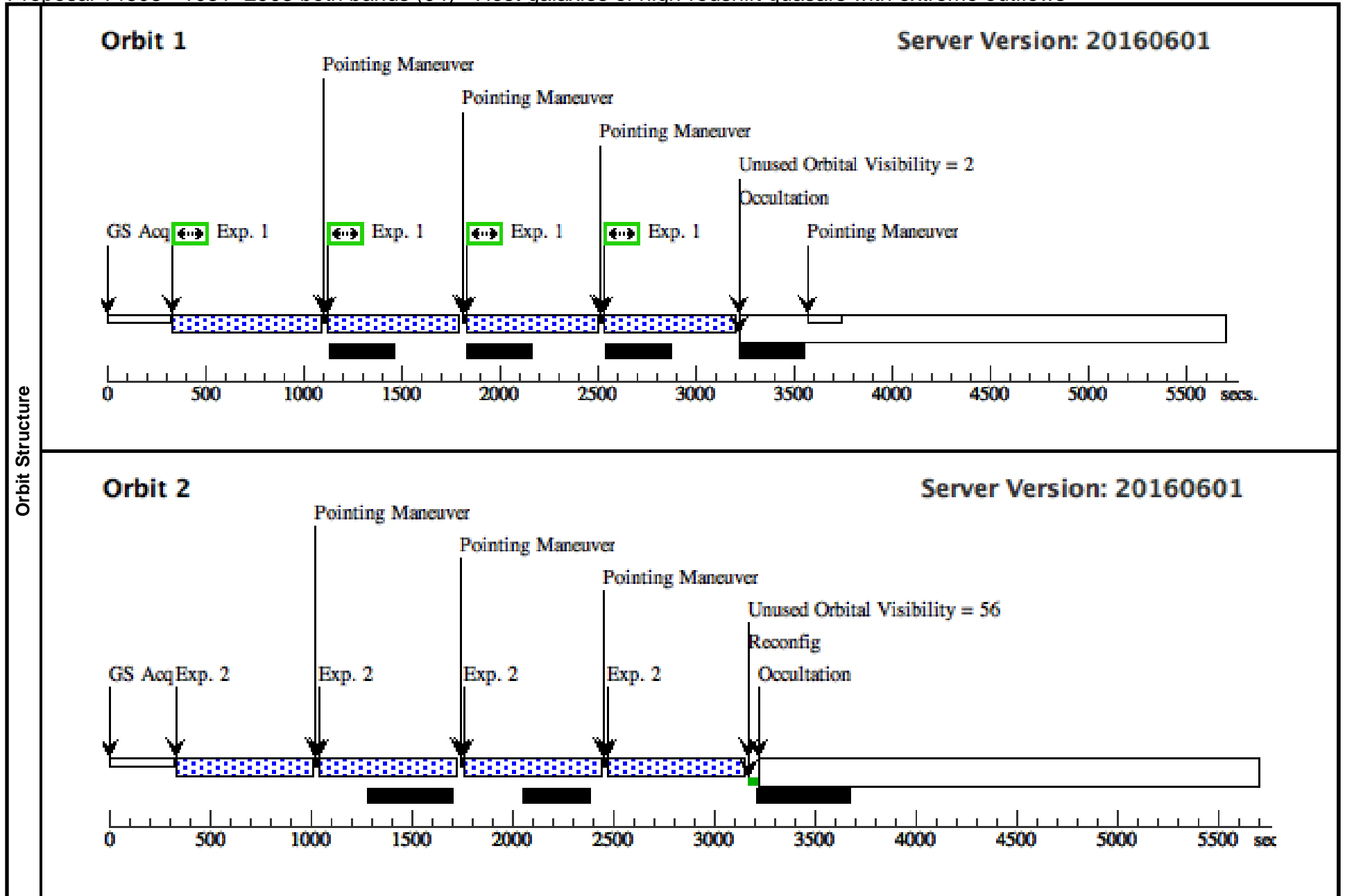
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Visit	Proposal 14608, 0834+0159 both bands (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SDSSJ0834+0159	RA: 08 34 48.4800 (128.7020000d) Dec: +01 59 21.10 (1.98919d) Equinox: J2000		V=20.9	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0834p0159b lue	(3) SDSSJ0834+0159	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 0834+0159 both bands (03) (1)	400 Secs (2180 Secs) [=>545.0 Secs (Pattern 1)] [=>545.0 Secs (Pattern 2)] [=>545.0 Secs (Pattern 3)] [=>545.0 Secs (Pattern 4)]
2	0834p0159r ed	(3) SDSSJ0834+0159	WFC3/IR, MULTIACCUM, IR	F160W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 0834+0159 both bands (03) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 14608 - 1031+2903 both bands (04) - Host galaxies of high-redshift quasars with extreme outflows

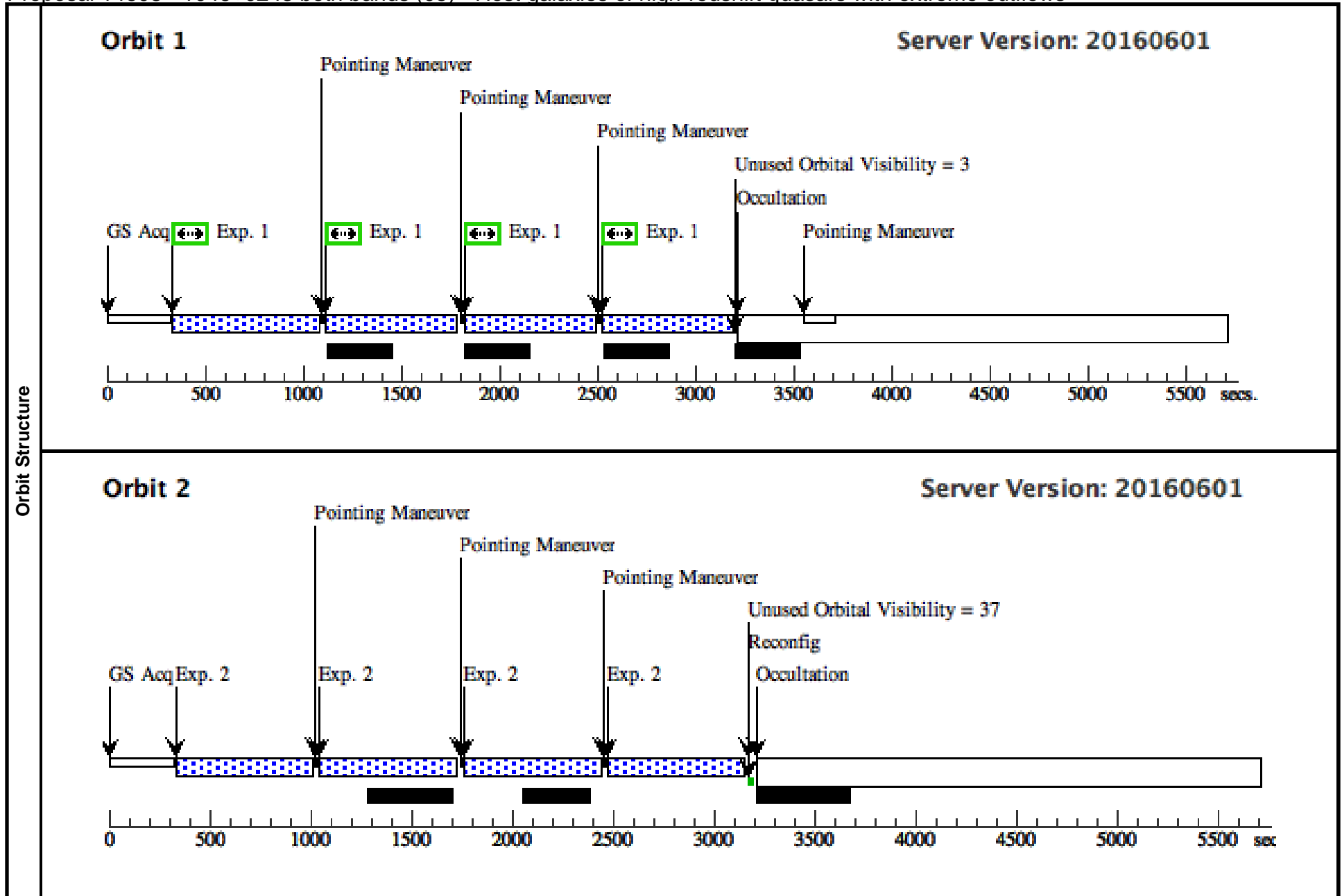
Visit		Proposal 14608, 1031+2903 both bands (04), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)						Wed Nov 09 16:25:21 GMT 2016		
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false			(1)				
(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SDSSJ1031+2903	RA: 10 31 46.5300 (157.9438750d) Dec: +29 03 24.10 (29.05669d) Equinox: J2000		V=21.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1031p2903blue	(4) SDSSJ1031+2903	ACS/WFC, ACCUM, WFC1	F814W			Pattern 1, Exps 1-1 in 1031+2903 both bands (04) (1)	400 Secs (2200 Secs) [==>550.0 Secs (Pattern 1)] [==>550.0 Secs (Pattern 2)] [==>550.0 Secs (Pattern 3)] [==>550.0 Secs (Pattern 4)]	[1]
2	1031p2903red	(4) SDSSJ1031+2903	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 1031+2903 both bands (04) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



Proposal 14608 - 1046+0243 both bands (05) - Host galaxies of high-redshift quasars with extreme outflows

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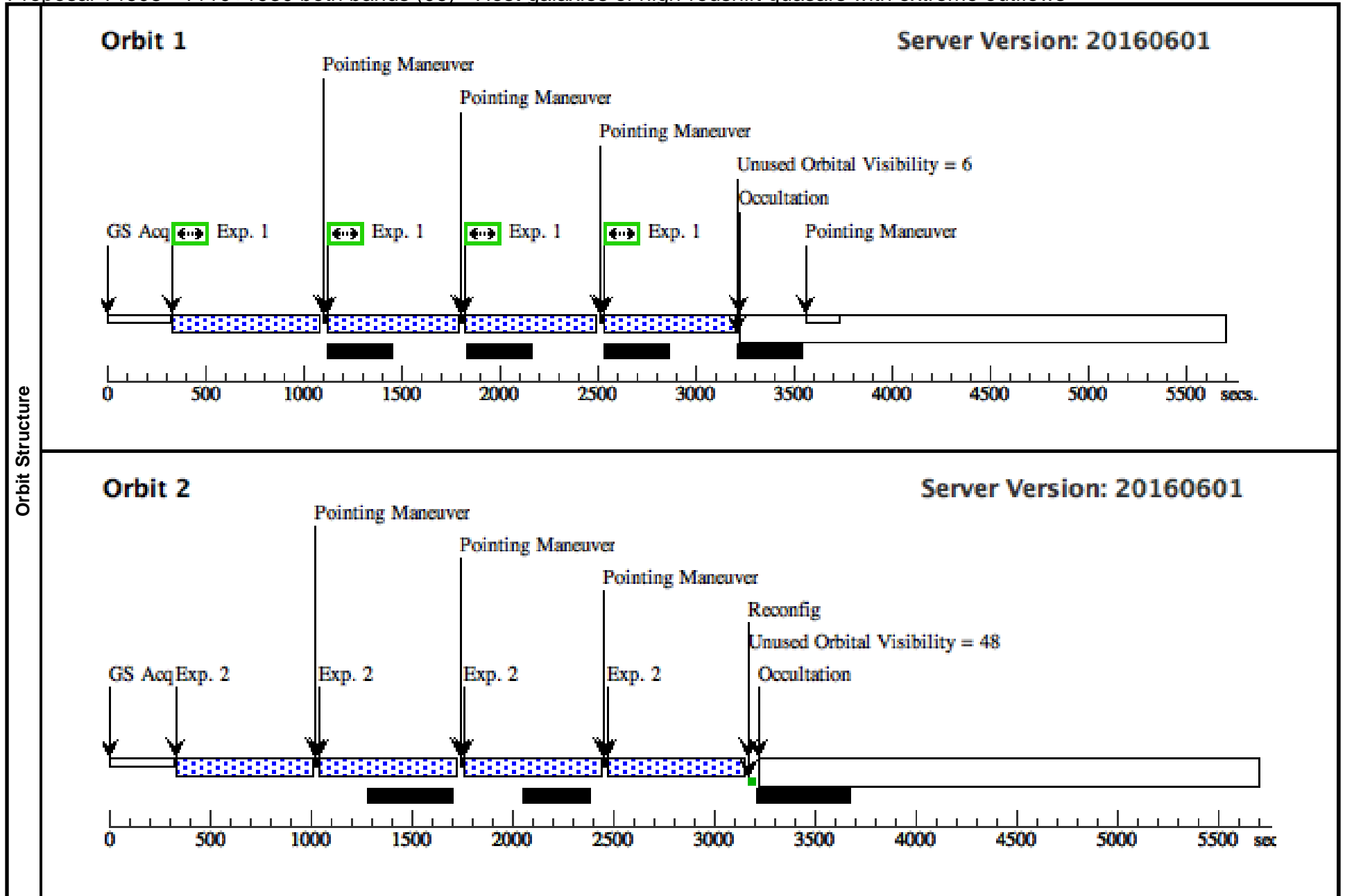
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	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	SDSSJ1046+0243	RA: 10 46 11.5001 (161.5479171d) Dec: +02 43 51.60 (2.73100d) Equinox: J2000		V=21.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1046p0243b_lue	(5) SDSSJ1046+0243	ACS/WFC, ACCUM, WFC1	F814W		GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in 1046+0243 both bands (05) (1)	400 Secs (2180 Secs) [==>545.0 Secs (Pattern 1)] [==>545.0 Secs (Pattern 2)] [==>545.0 Secs (Pattern 3)] [==>545.0 Secs (Pattern 4)]	[1]
2	1046p0243r_ed	(5) SDSSJ1046+0243	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 2-2 in 1046+0243 both bands (05) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



Proposal 14608 - 1110+1930 both bands (06) - Host galaxies of high-redshift quasars with extreme outflows

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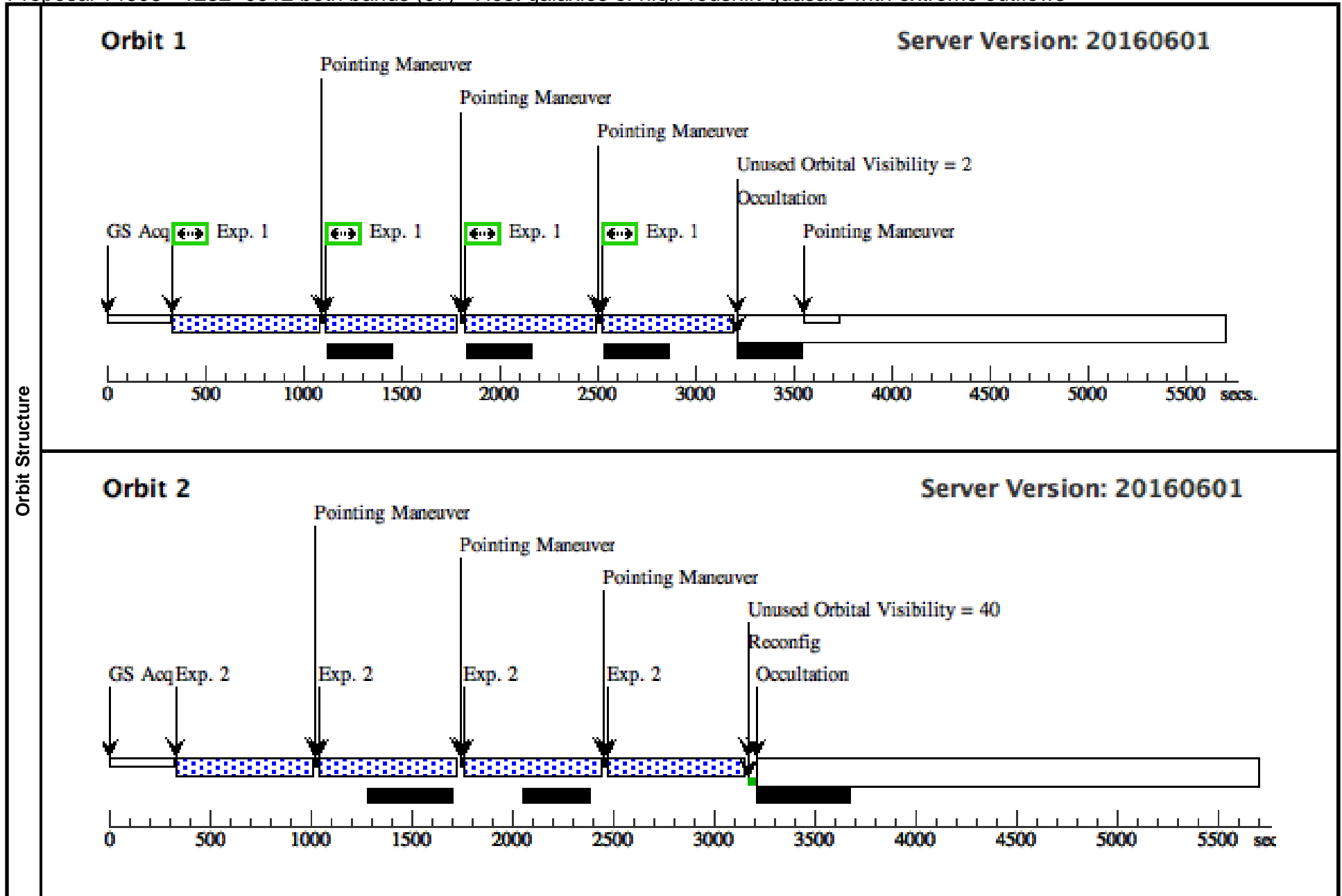
Visit	Proposal 14608, 1110+1930 both bands (06), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
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	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	SDSSJ1110+1930	RA: 11 10 17.1300 (167.5713750d) Dec: +19 30 12.50 (19.50347d) Equinox: J2000		V=20.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1110p1930blue	(6) SDSSJ1110+1930	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 1110+1930 both bands (06) (1)	400 Secs (2188 Secs) [=>547.0 Secs (Pattern 1)] [=>547.0 Secs (Pattern 2)] [=>547.0 Secs (Pattern 3)] [=>547.0 Secs (Pattern 4)]
2	1110p1930red	(6) SDSSJ1110+1930	WFC3/IR, MULTIACCUM, IR	F160W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 1110+1930 both bands (06) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 14608 - 1232+0912 both bands (07) - Host galaxies of high-redshift quasars with extreme outflows

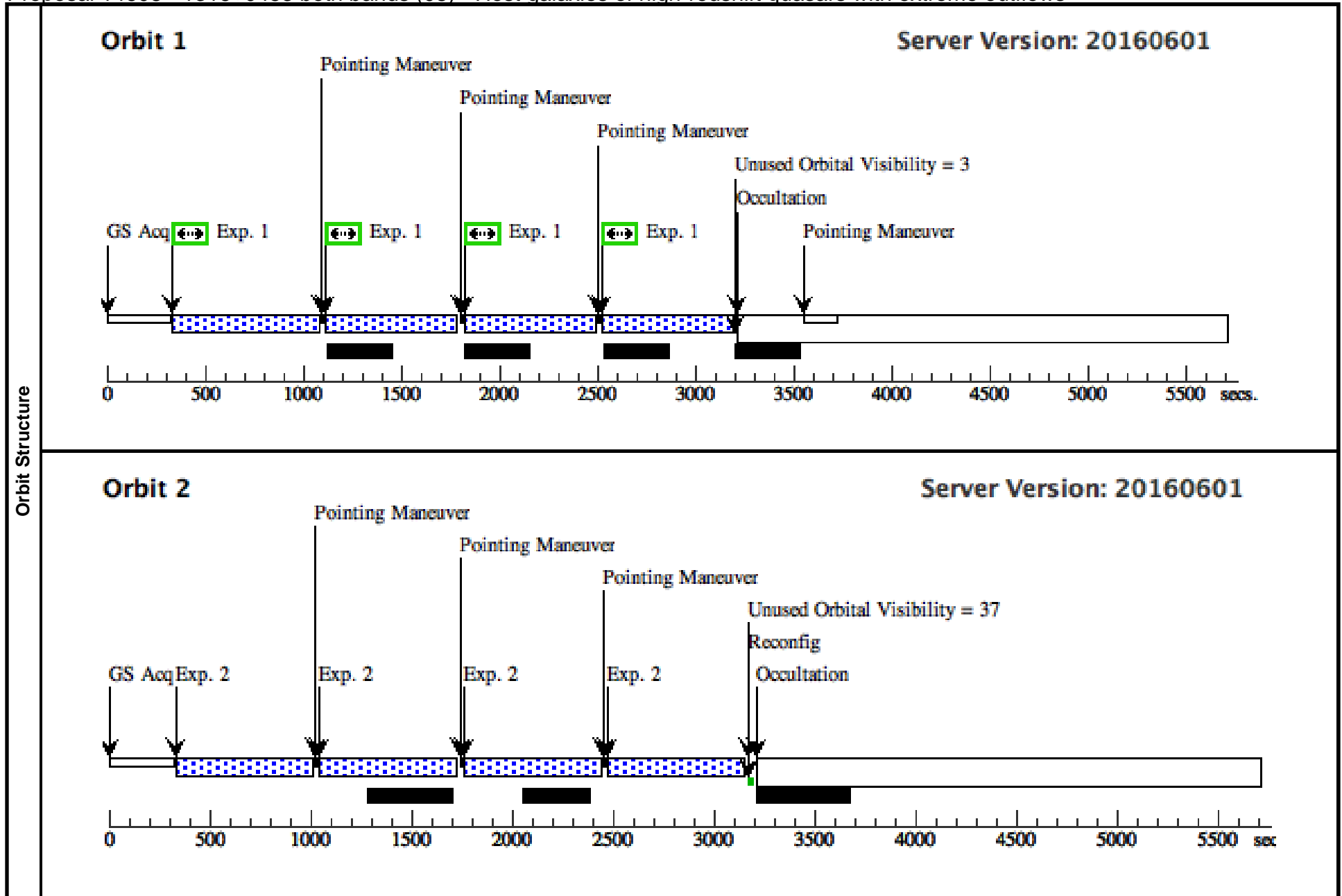
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Visit	Proposal 14608, 1232+0912 both bands (07), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
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	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	SDSSJ1232+0912	RA: 12 32 41.7300 (188.1738750d) Dec: +09 12 9.30 (9.20258d) Equinox: J2000		V=21.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1232p0912b_lue	(7) SDSSJ1232+0912	ACS/WFC, ACCUM, WFC1	F814W			GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in 1232+0912 both bands (07) (1)	400 Secs (2184 Secs) [==>546.0 Secs (Pattern 1)] [==>546.0 Secs (Pattern 2)] [==>546.0 Secs (Pattern 3)] [==>546.0 Secs (Pattern 4)]
2	1232p0912r_ed	(7) SDSSJ1232+0912	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPARS50		Pattern 2, Exps 2-2 in 1232+0912 both bands (07) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 14608 - 1316+0453 both bands (08) - Host galaxies of high-redshift quasars with extreme outflows

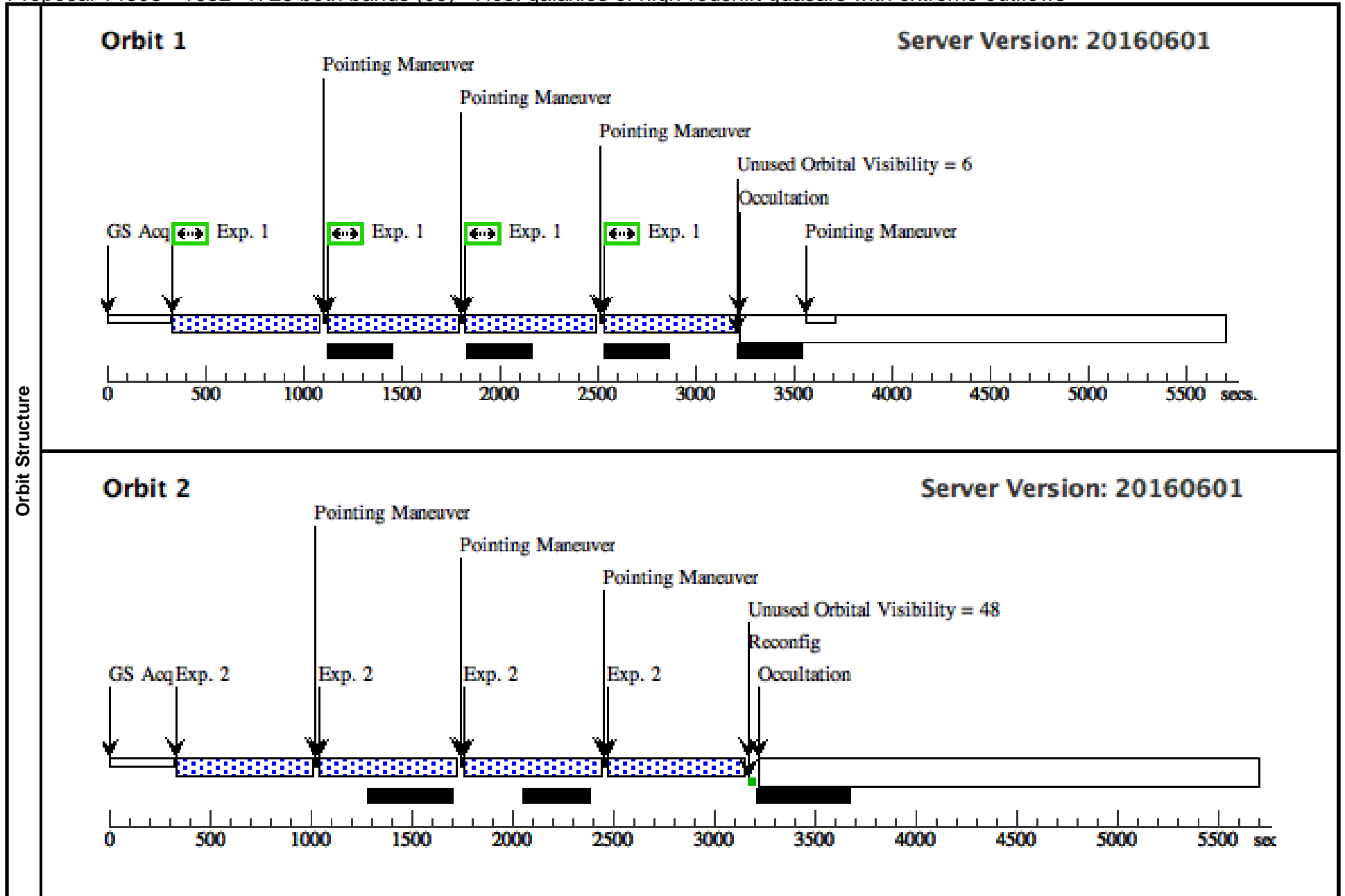
Visit		Proposal 14608, 1316+0453 both bands (08), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)						Wed Nov 09 16:25:21 GMT 2016		
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
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(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	SDSSJ1316+0453	RA: 13 16 28.3200 (199.1180000d) Dec: +04 53 16.20 (4.88783d) Equinox: J2000		V=21.4	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1316p0453blue	(8) SDSSJ1316+0453	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 1316+0453 both bands (08) (1) 400 Secs (2180 Secs) [==>545.0 Secs (Pattern 1)] [==>545.0 Secs (Pattern 2)] [==>545.0 Secs (Pattern 3)] [==>545.0 Secs (Pattern 4)]	[1]
2	1316p0453red	(8) SDSSJ1316+0453	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPAR S50			Pattern 2, Exps 2-2 in 1316+0453 both bands (08) (2) 652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



Proposal 14608 - 1652+1728 both bands (09) - Host galaxies of high-redshift quasars with extreme outflows

Wed Nov 09 16:25:21 GMT 2016

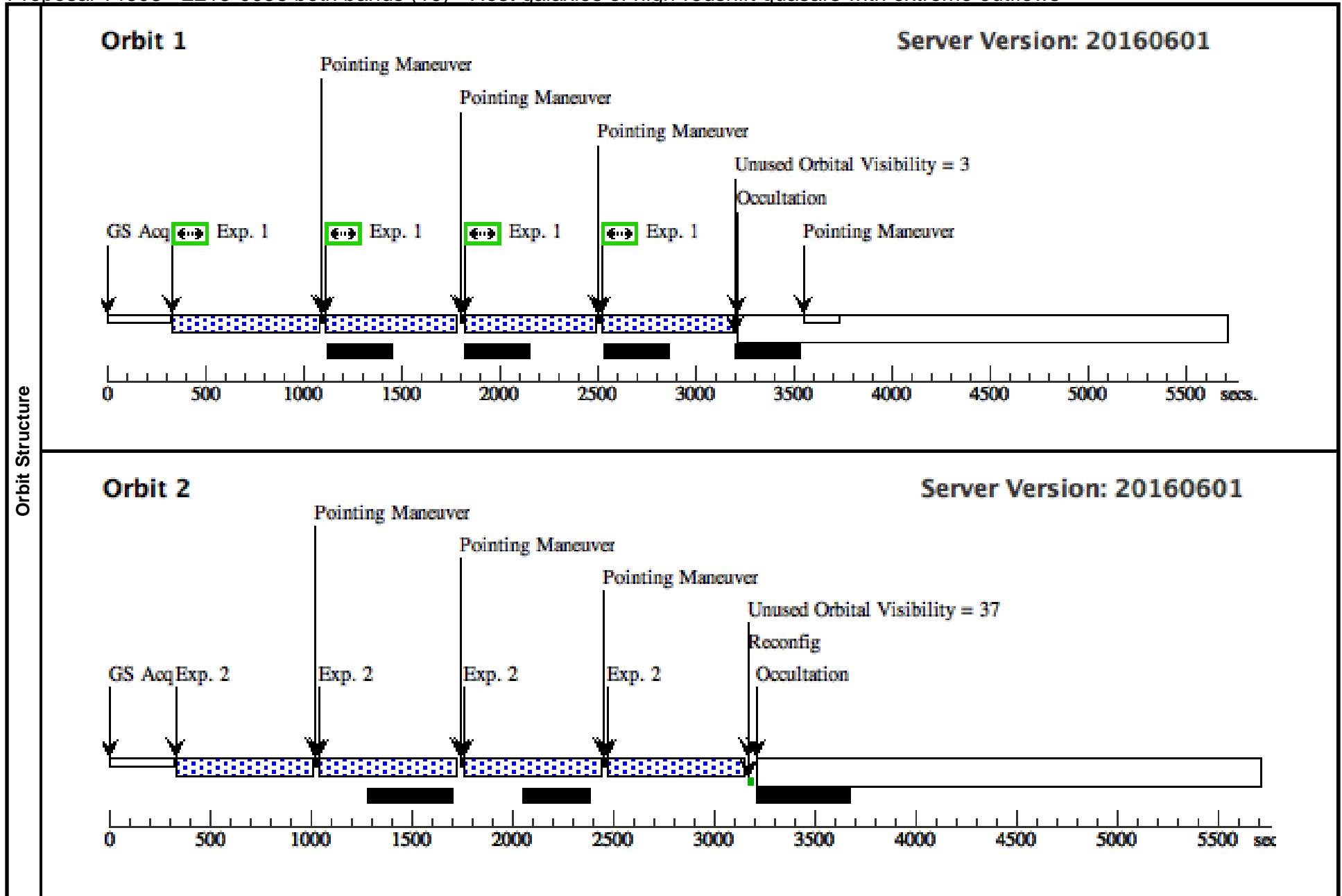
Visit	Proposal 14608, 1652+1728 both bands (09), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	SDSSJ1652+1728	RA: 16 52 2.6400 (253.0110000d) Dec: +17 28 52.30 (17.48119d) Equinox: J2000		V=20.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1652p1728blue	(9) SDSSJ1652+1728	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 1652+1728 both bands (09) (1)	400 Secs (2188 Secs) [=>547.0 Secs (Pattern 1)] [=>547.0 Secs (Pattern 2)] [=>547.0 Secs (Pattern 3)] [=>547.0 Secs (Pattern 4)]
2	1652p1728red	(9) SDSSJ1652+1728	WFC3/IR, MULTIACCUM, IR	F160W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 1652+1728 both bands (09) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 14608 - 2215-0056 both bands (10) - Host galaxies of high-redshift quasars with extreme outflows

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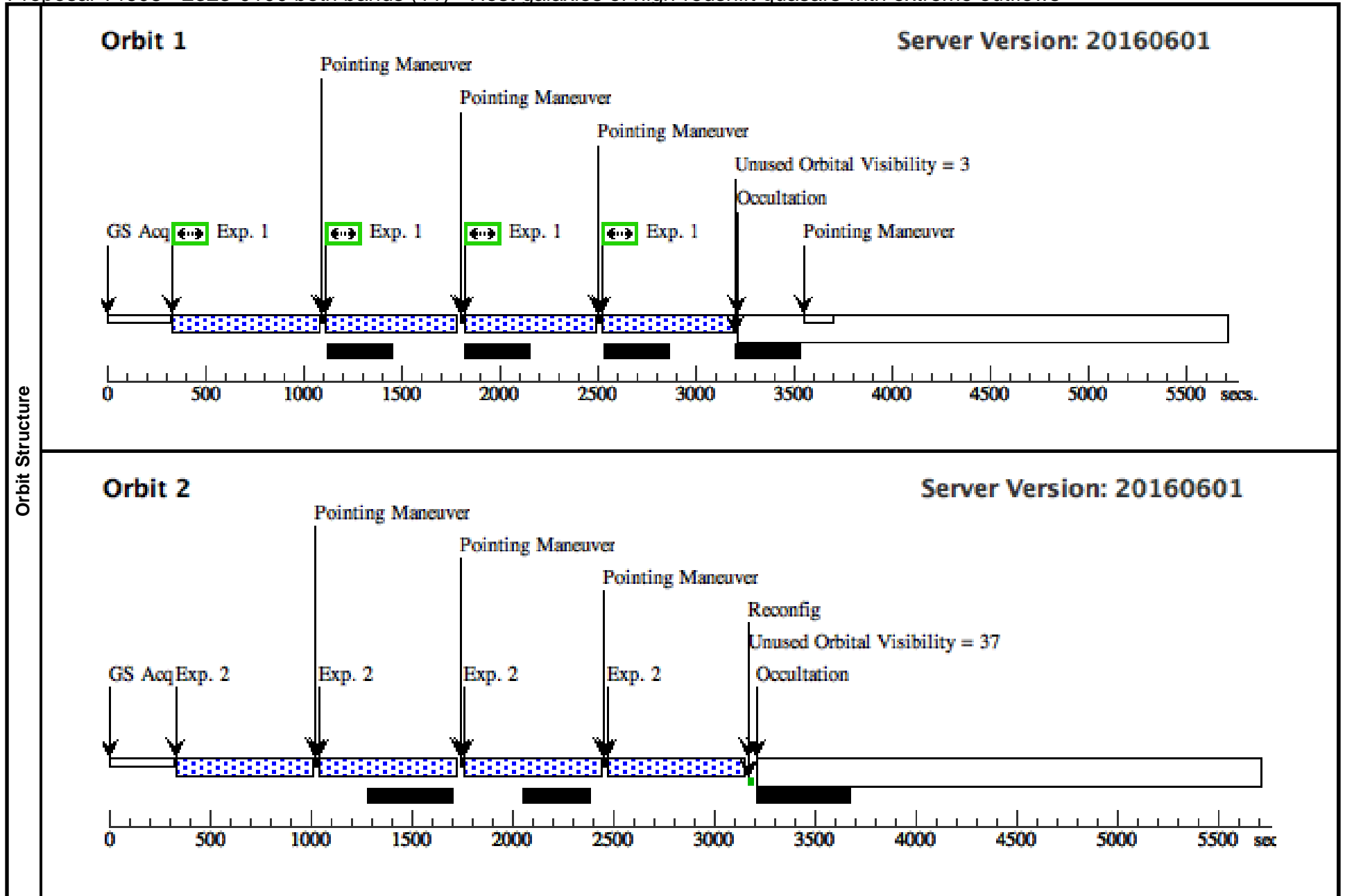
Visit	Proposal 14608, 2215-0056 both bands (10), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	SDSSJ2215-0056	RA: 22 15 24.0000 (333.8500000d) Dec: -00 56 43.80 (-.94550d) Equinox: J2000		V=22.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	2215m0056 blue	(10) SDSSJ2215-0056	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 2215-0056 both bands (10) (1)	400 Secs (2180 Secs) [=>545.0 Secs (Pattern 1)] [=>545.0 Secs (Pattern 2)] [=>545.0 Secs (Pattern 3)] [=>545.0 Secs (Pattern 4)]
2	2215m0056r ed	(10) SDSSJ2215-0056	WFC3/IR, MULTIACCUM, IR	F160W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 2215-0056 both bands (10) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 14608 - 2323-0100 both bands (11) - Host galaxies of high-redshift quasars with extreme outflows

Wed Nov 09 16:25:22 GMT 2016

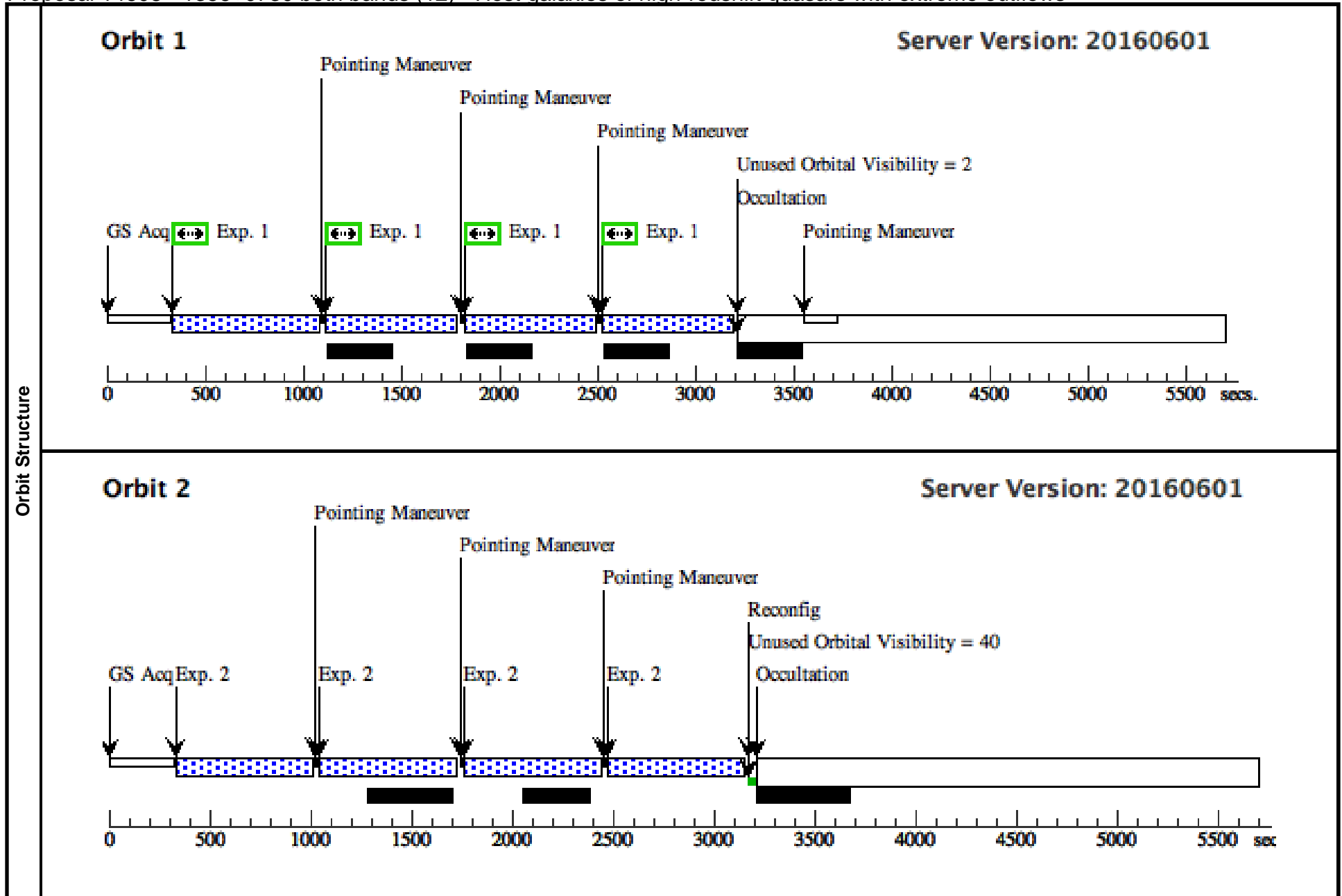
Visit	Proposal 14608, 2323-0100 both bands (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192 Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false		(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	SDSSJ2323-0100	RA: 23 23 26.1701 (350.8590421d) Dec: -01 00 33.10 (-1.00919d) Equinox: J2000		V=21.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	2323m0100 blue	(11) SDSSJ2323-0100	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 2323-0100 both bands (11) (1)	400 Secs (2180 Secs) [=>545.0 Secs (Pattern 1)] [=>545.0 Secs (Pattern 2)] [=>545.0 Secs (Pattern 3)] [=>545.0 Secs (Pattern 4)]
2	2323m0100r ed	(11) SDSSJ2323-0100	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 2323-0100 both bands (11) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 14608 - 1356+0730 both bands (12) - Host galaxies of high-redshift quasars with extreme outflows

Wed Nov 09 16:25:22 GMT 2016

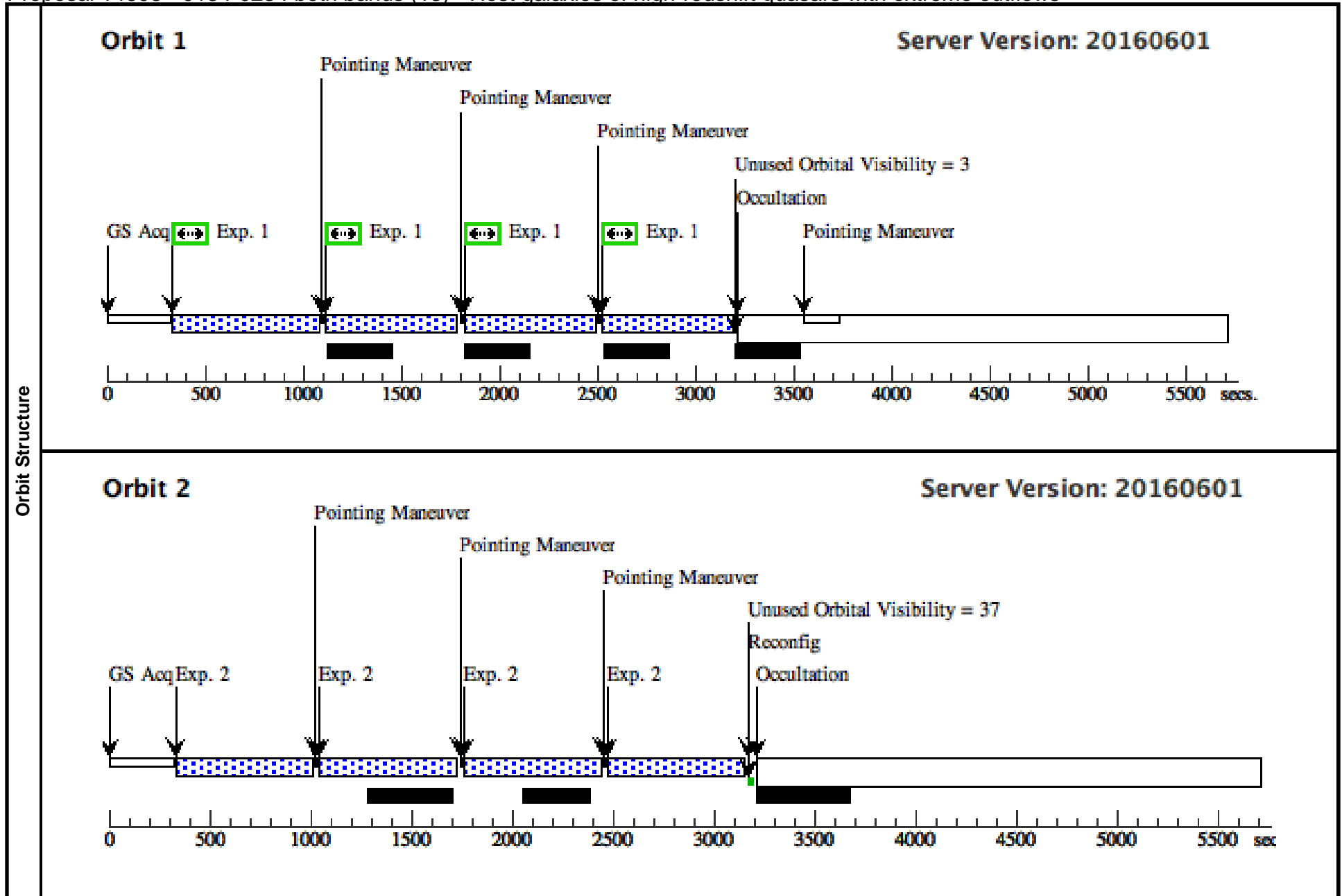
Visit	Proposal 14608, 1356+0730 both bands (12), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	SDSSJ1356+0730	RA: 13 56 8.3201 (209.0346671d) Dec: +07 30 17.20 (7.50478d) Equinox: J2000		V=21.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1356p0730blue	(12) SDSSJ1356+0730	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 1356+0730 both bands (12) (1)	400 Secs (2184 Secs) [=>546.0 Secs (Pattern 1)] [=>546.0 Secs (Pattern 2)] [=>546.0 Secs (Pattern 3)] [=>546.0 Secs (Pattern 4)]
2	1356p0730red	(12) SDSSJ1356+0730	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 1356+0730 both bands (12) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 14608 - 0134-0234 both bands (13) - Host galaxies of high-redshift quasars with extreme outflows

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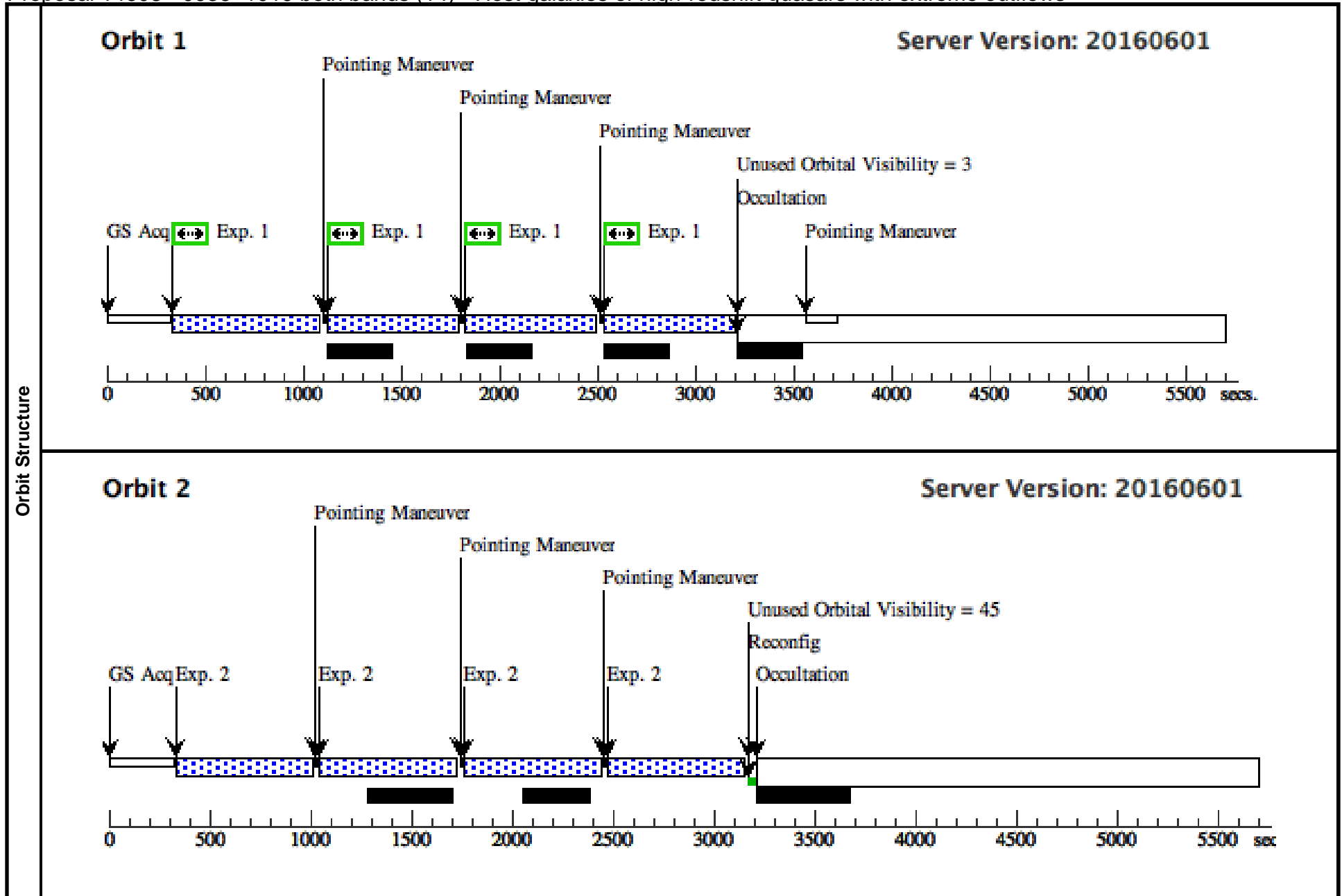
Visit	Proposal 14608, 0134-0234 both bands (13), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	SDSSJ0134-0234	RA: 01 34 13.2199 (23.5550829d) Dec: -02 34 9.70 (-2.56936d) Equinox: J2000		V=19.6	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0134m0234 blue	(13) SDSSJ0134-0234 4	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 0134-0234 both bands (13) (1)	400 Secs (2180 Secs) [=>545.0 Secs (Pattern 1)] [=>545.0 Secs (Pattern 2)] [=>545.0 Secs (Pattern 3)] [=>545.0 Secs (Pattern 4)]
2	0134m0234r ed	(13) SDSSJ0134-0234 4	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 0134-0234 both bands (13) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 14608 - 0936+1019 both bands (14) - Host galaxies of high-redshift quasars with extreme outflows

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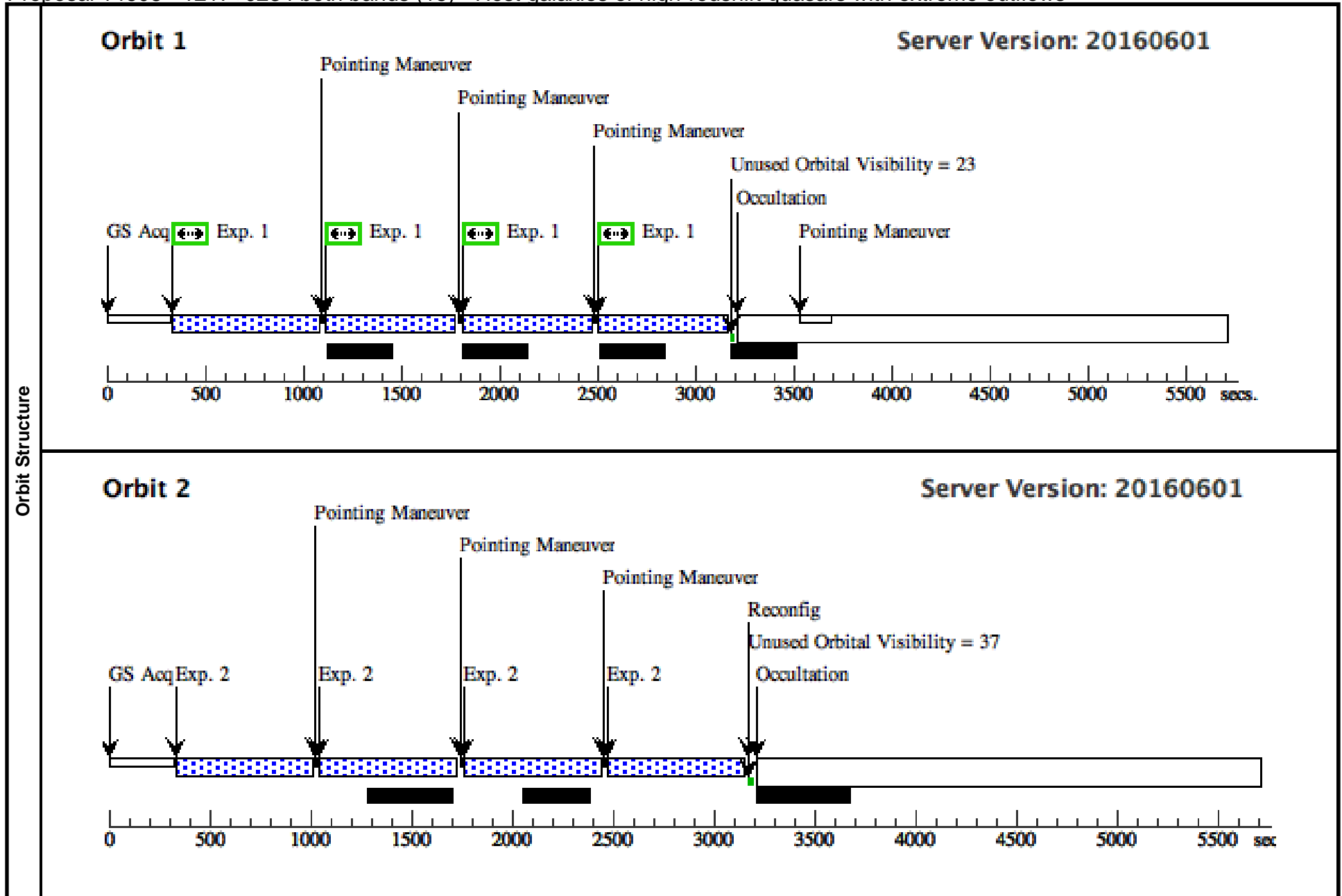
Visit	Proposal 14608, 0936+1019 both bands (14), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	SDSSJ0936+1019	RA: 09 36 38.4101 (144.1600421d) Dec: +10 19 30.30 (10.32508d) Equinox: J2000		V=21.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0936p1019b_lue	(14) SDSSJ0936+1019	ACS/WFC, ACCUM, WFC1	F814W			GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in 0936+1019 both bands (14) (1)	400 Secs (2188 Secs) [==>547.0 Secs (Pattern 1)] [==>547.0 Secs (Pattern 2)] [==>547.0 Secs (Pattern 3)] [==>547.0 Secs (Pattern 4)]
2	0936p1019r_ed	(14) SDSSJ0936+1019	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPARS50		Pattern 2, Exps 2-2 in 0936+1019 both bands (14) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 14608 - 1217+0234 both bands (15) - Host galaxies of high-redshift quasars with extreme outflows

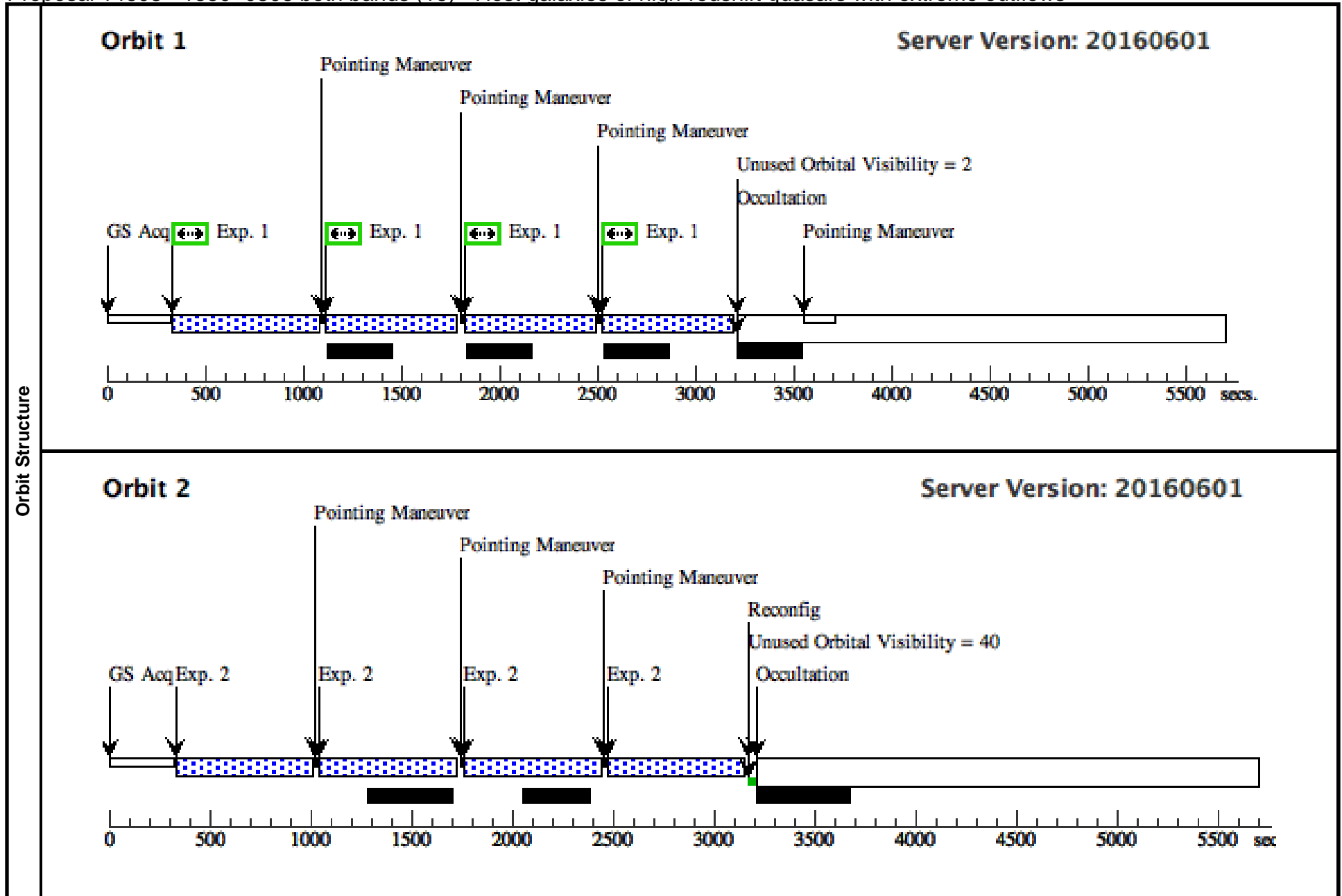
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Visit	Proposal 14608, 1217+0234 both bands (15), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	SDSSJ1217+0234	RA: 12 17 4.6999 (184.2695829d) Dec: +02 34 17.10 (2.57142d) Equinox: J2000		V=21.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1217p0234blue	(15) SDSSJ1217+0234	ACS/WFC, ACCUM, WFC1	F814W		GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in 1217+0234 both bands (15) (1)	400 Secs (2160 Secs) [==>540.0 Secs (Pattern 1)] [==>540.0 Secs (Pattern 2)] [==>540.0 Secs (Pattern 3)] [==>540.0 Secs (Pattern 4)]	[1]
2	1217p0234red	(15) SDSSJ1217+0234	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPARS50	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 2-2 in 1217+0234 both bands (15) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



Proposal 14608 - 1550+0806 both bands (16) - Host galaxies of high-redshift quasars with extreme outflows

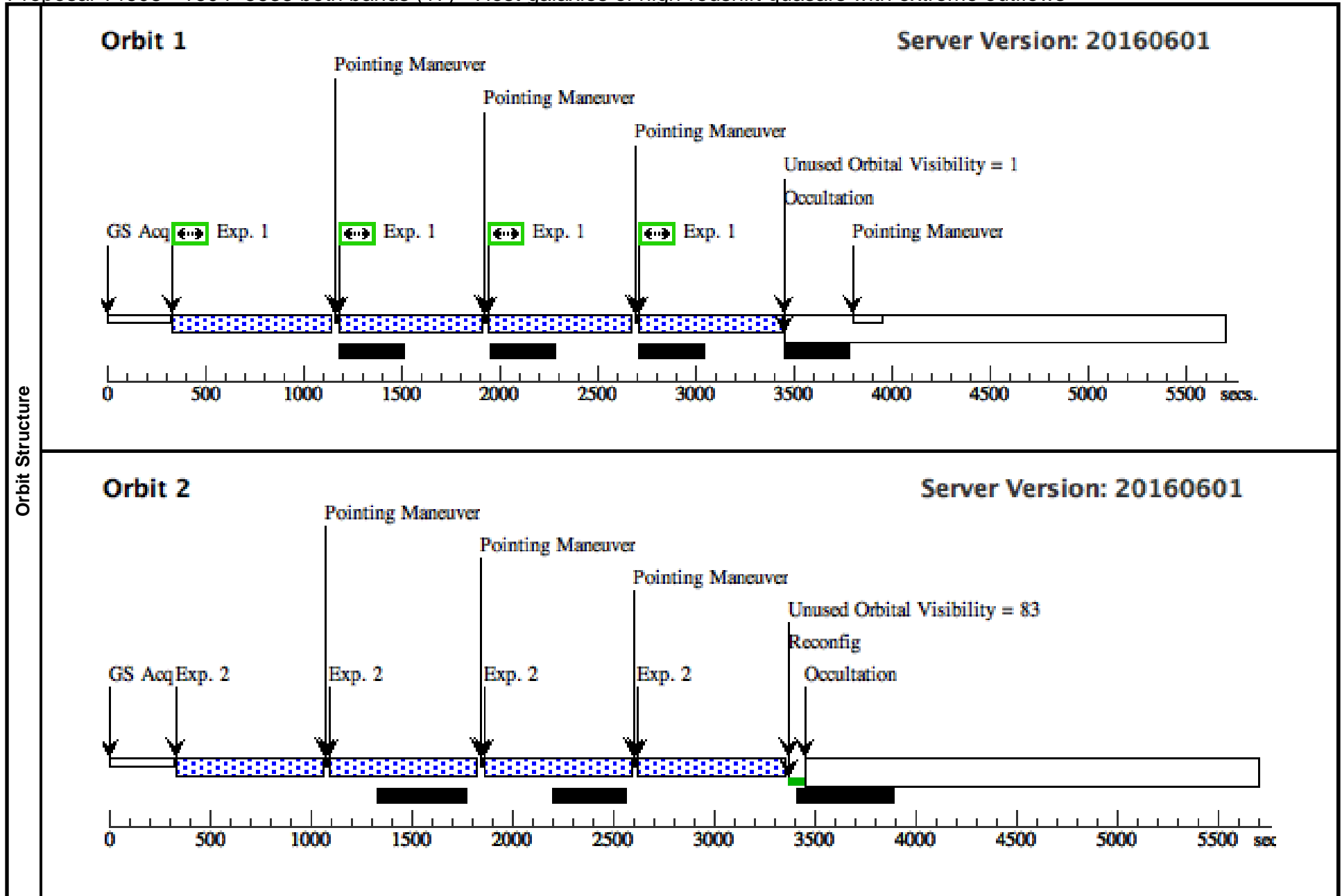
Visit		Proposal 14608, 1550+0806 both bands (16), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)						Wed Nov 09 16:25:22 GMT 2016		
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false			(1)				
(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	SDSSJ1550+0806	RA: 15 50 57.7099 (237.7404579d) Dec: +08 06 52.10 (8.11447d) Equinox: J2000		V=20.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1550p0806blue	(16) SDSSJ1550+0806	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 1550+0806 both bands (16) (1) 400 Secs (2184 Secs) [==>546.0 Secs (Pattern 1)] [==>546.0 Secs (Pattern 2)] [==>546.0 Secs (Pattern 3)] [==>546.0 Secs (Pattern 4)]	[1]
2	1550p0806red	(16) SDSSJ1550+0806	WFC3/IR, MULTIACCUM, IR	F160W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 1550+0806 both bands (16) (2) 652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



Proposal 14608 - 1604+5633 both bands (17) - Host galaxies of high-redshift quasars with extreme outflows

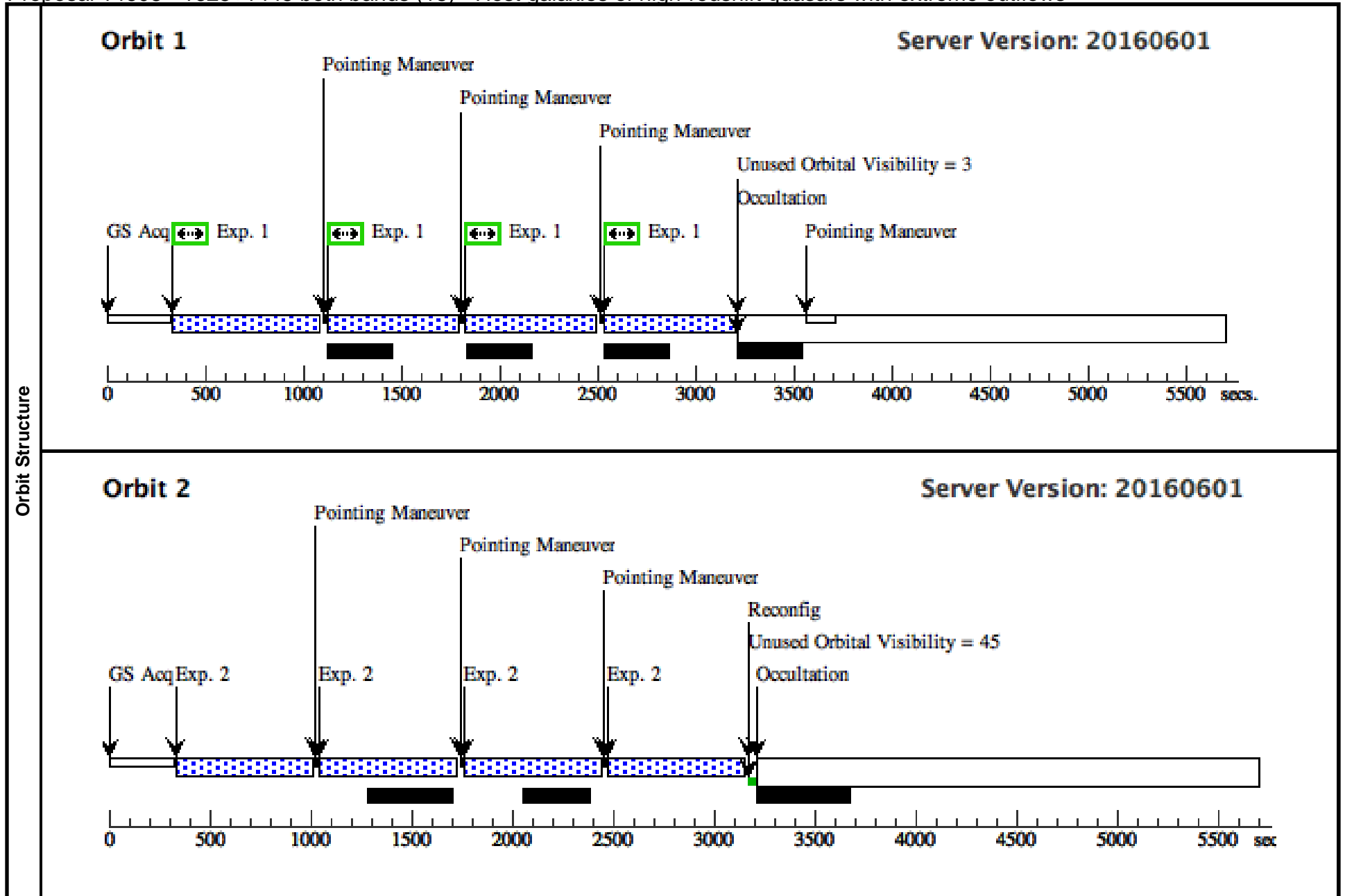
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Visit	Proposal 14608, 1604+5633 both bands (17), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	SDSSJ1604+5633	RA: 16 04 31.5499 (241.1314579d) Dec: +56 33 54.20 (56.56506d) Equinox: J2000		V=21.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1604p5633blue	(17) SDSSJ1604+5633	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 1604+5633 both bands (17) (1)	400 Secs (2428 Secs) [==>607.0 Secs (Pattern 1)] [==>607.0 Secs (Pattern 2)] [==>607.0 Secs (Pattern 3)] [==>607.0 Secs (Pattern 4)]
2	1604p5633red	(17) SDSSJ1604+5633	WFC3/IR, MULTIACCUM, IR	F160W		NSAMP=15; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 1604+5633 both bands (17) (2)	702.938605 Secs (2811.754 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 14608 - 1625+1445 both bands (18) - Host galaxies of high-redshift quasars with extreme outflows

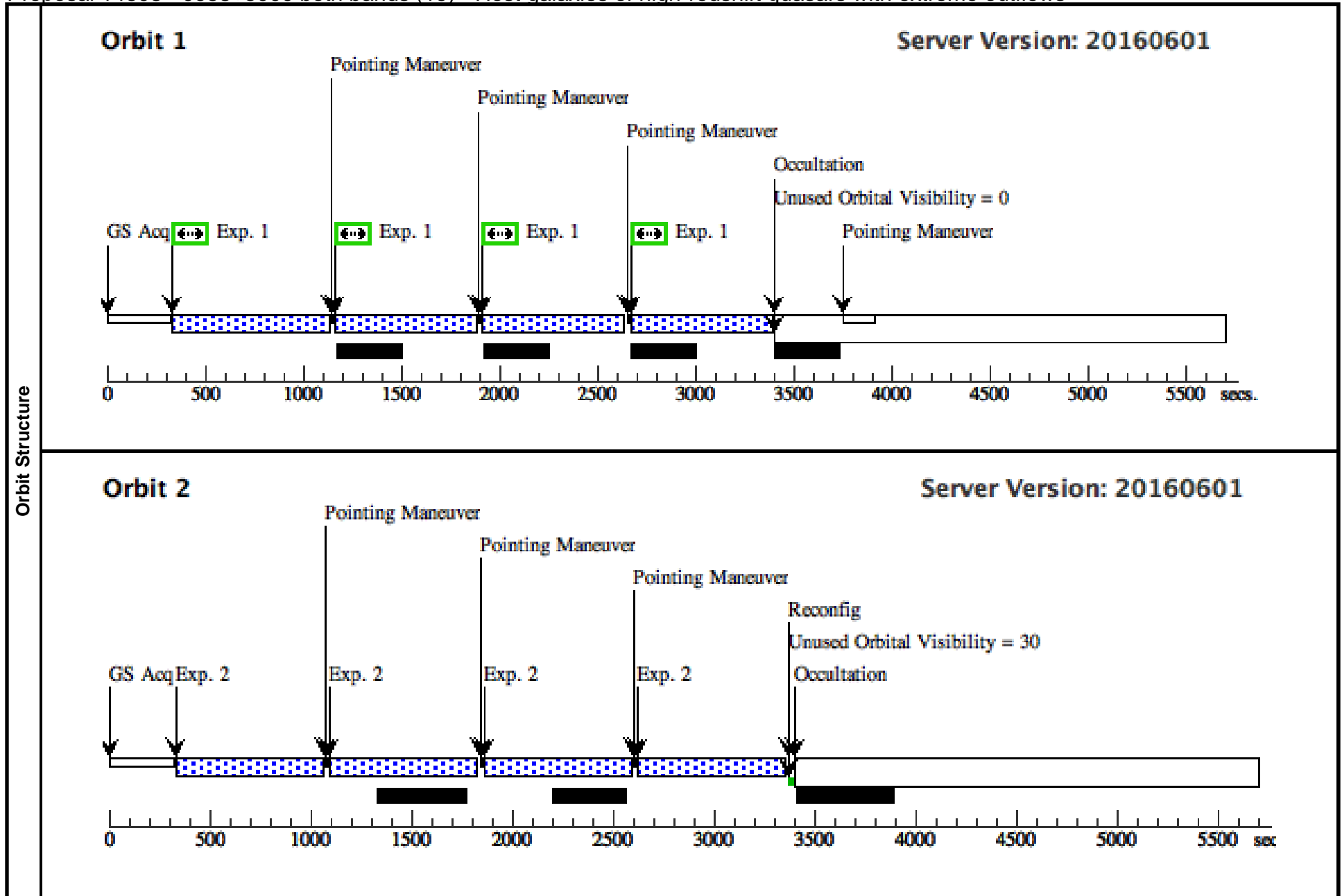
Visit		Proposal 14608, 1625+1445 both bands (18), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)						Wed Nov 09 16:25:22 GMT 2016		
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false			(1)				
(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	SDSSJ1625+1445	RA: 16 25 18.6600 (246.3277500d) Dec: +14 45 9.90 (14.75275d) Equinox: J2000		V=20.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1625p1445b luc	(18) SDSSJ1625+1445	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 1625+1445 both bands (18) (1) 400 Secs (2188 Secs) [==>547.0 Secs (Pattern 1)] [==>547.0 Secs (Pattern 2)] [==>547.0 Secs (Pattern 3)] [==>547.0 Secs (Pattern 4)]	[1]
2	1625p1445r ed	(18) SDSSJ1625+1445	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPAR S50			Pattern 2, Exps 2-2 in 1625+1445 both bands (18) (2) 652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



Proposal 14608 - 0958+5000 both bands (19) - Host galaxies of high-redshift quasars with extreme outflows

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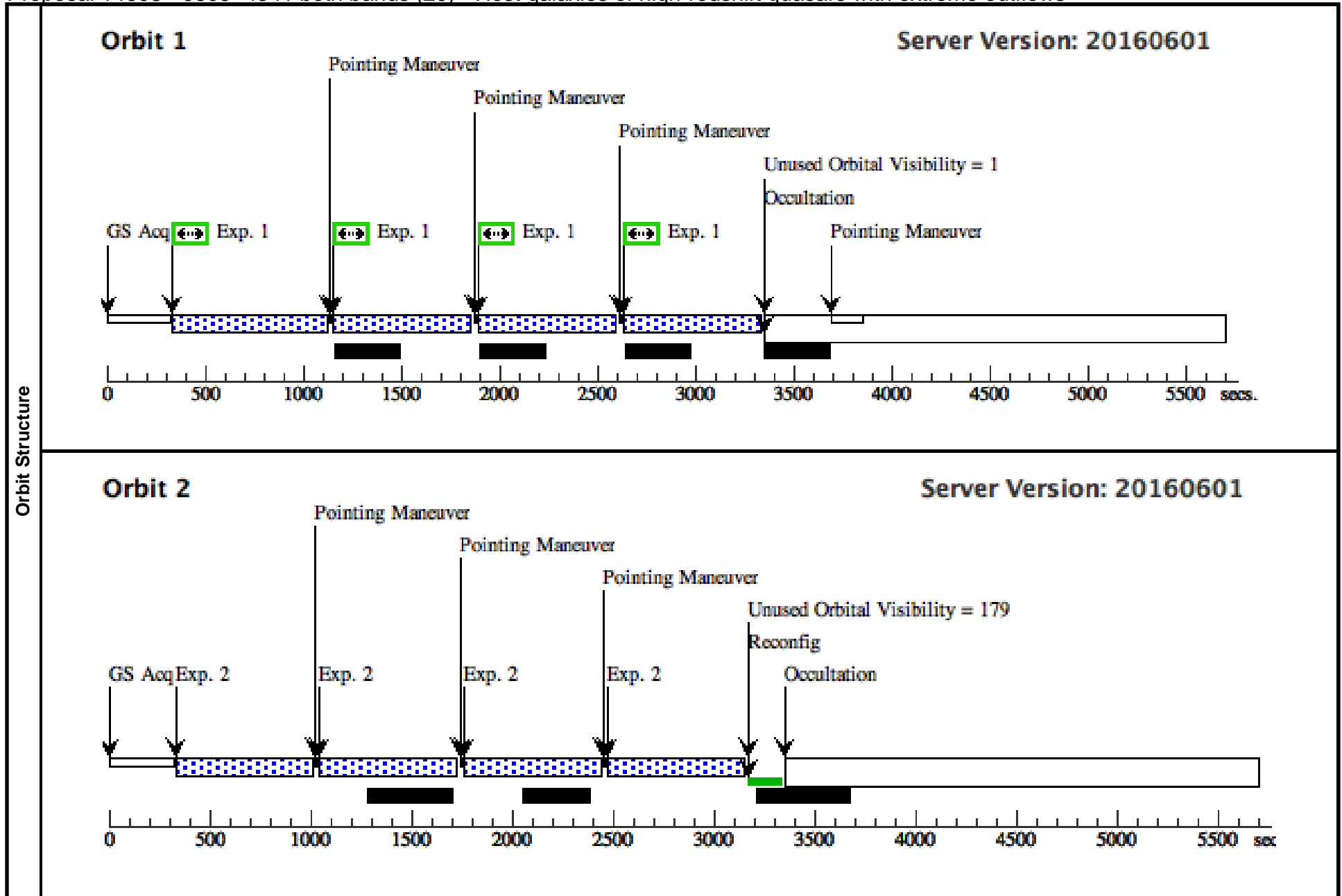
Visit	Proposal 14608, 0958+5000 both bands (19), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	SDSSJ0958+5000	RA: 09 58 23.1401 (149.5964171d) Dec: +50 00 18.10 (50.00503d) Equinox: J2000		V=20.4	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0958p5000b luc	(19) SDSSJ0958+5000	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 0958+5000 both bands (19) (1)	400 Secs (2376 Secs) [==>594.0 Secs (Pattern 1)] [==>594.0 Secs (Pattern 2)] [==>594.0 Secs (Pattern 3)] [==>594.0 Secs (Pattern 4)]
2	0958p5000r ed	(19) SDSSJ0958+5000	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=15; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 0958+5000 both bands (19) (2)	702.938605 Secs (2811.754 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 14608 - 0805+4541 both bands (20) - Host galaxies of high-redshift quasars with extreme outflows

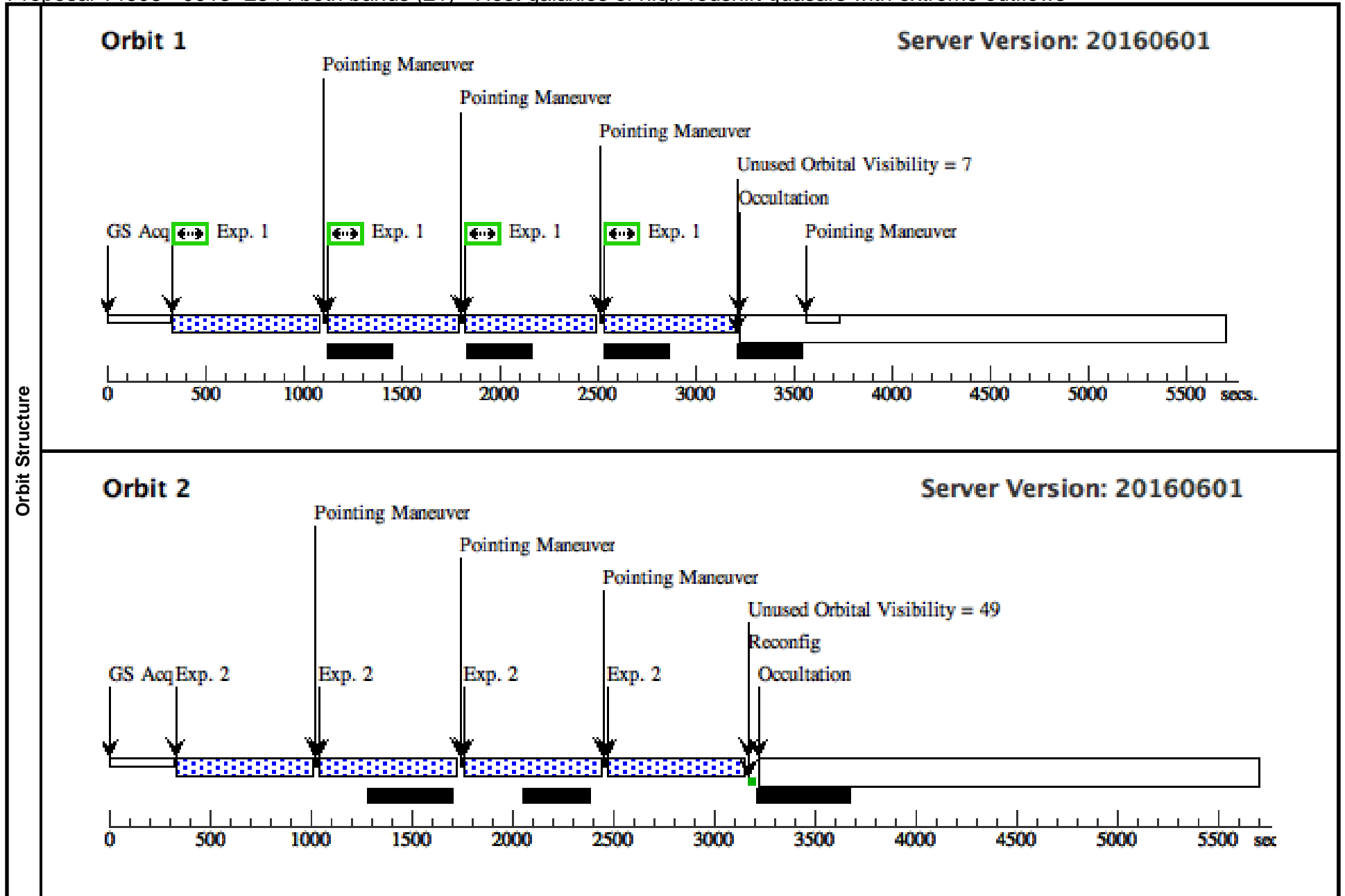
Wed Nov 09 16:25:22 GMT 2016

Visit	Proposal 14608, 0805+4541 both bands (20), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(20)	SDSSJ0805+4541	RA: 08 05 47.6599 (121.4485829d) Dec: +45 41 59.00 (45.69972d) Equinox: J2000		V=21.7	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0805p4541b lue	(20) SDSSJ0805+4541	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 0805+4541 both bands (20) (1)	400 Secs (2324 Secs) [==>581.0 Secs (Pattern 1)] [==>581.0 Secs (Pattern 2)] [==>581.0 Secs (Pattern 3)] [==>581.0 Secs (Pattern 4)]
2	0805p4541r ed	(20) SDSSJ0805+4541	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 0805+4541 both bands (20) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



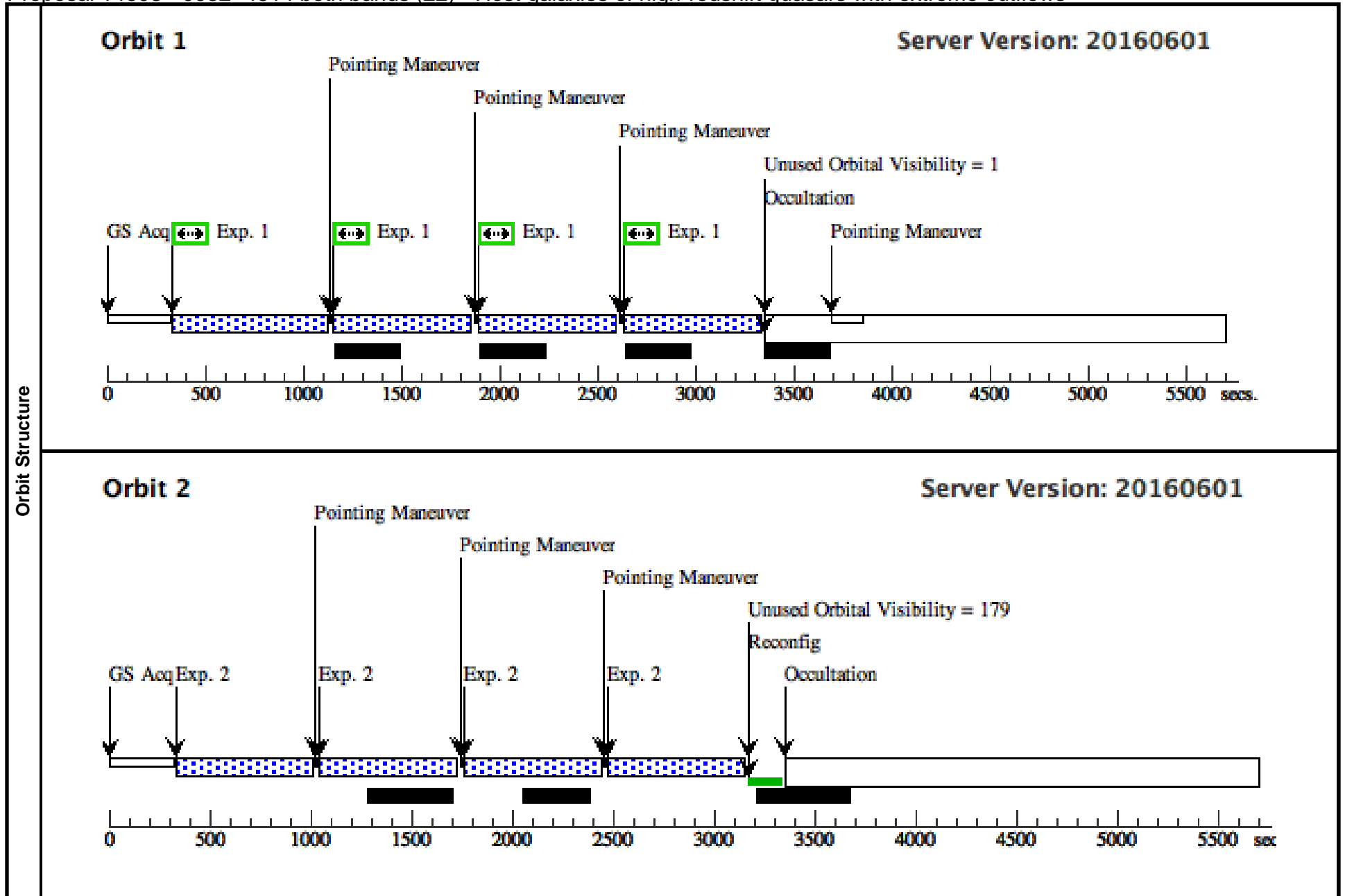
Proposal 14608 - 0913+2344 both bands (21) - Host galaxies of high-redshift quasars with extreme outflows

Visit		Proposal 14608, 0913+2344 both bands (21), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)						Wed Nov 09 16:25:22 GMT 2016		
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false				(1)			
(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	SDSSJ0913+2344	RA: 09 13 3.9000 (138.2662500d) Dec: +23 44 35.20 (23.74311d) Equinox: J2000		V=21.9	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0913p2344b luc	(21) SDSSJ0913+2344	ACS/WFC, ACCUM, WFC1	F814W		GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in 0913+2344 both bands (21) (1)	400 Secs (2188 Secs) [==>547.0 Secs (Pattern 1)] [==>547.0 Secs (Pattern 2)] [==>547.0 Secs (Pattern 3)] [==>547.0 Secs (Pattern 4)]	[1]
2	0913p2344r ed	(21) SDSSJ0913+2344	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPARS50	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 2-2 in 0913+2344 both bands (21) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



Proposal 14608 - 0932+4614 both bands (22) - Host galaxies of high-redshift quasars with extreme outflows

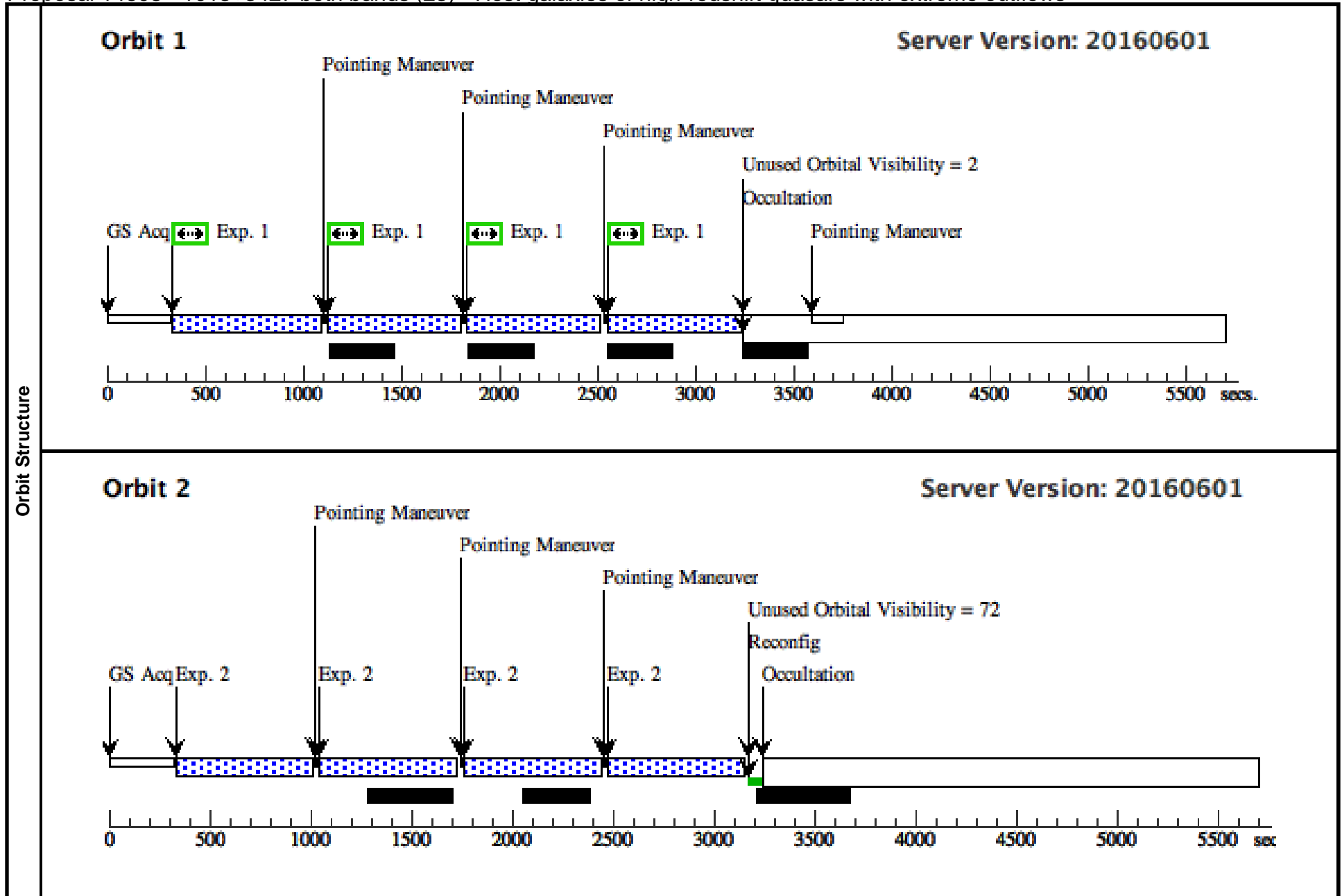
Visit		Proposal 14608, 0932+4614 both bands (22), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)						Wed Nov 09 16:25:22 GMT 2016		
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false			(1)				
(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	SDSSJ0932+4614	RA: 09 32 26.9299 (143.1122079d) Dec: +46 14 42.80 (46.24522d) Equinox: J2000		V=21.7	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	0932p4614b_lue	(22) SDSSJ0932+4614	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 0932+4614 both bands (22) (1) 400 Secs (2324 Secs) [=>581.0 Secs (Pattern 1)] [=>581.0 Secs (Pattern 2)] [=>581.0 Secs (Pattern 3)] [=>581.0 Secs (Pattern 4)]	[1]
2	0932p4614r_ed	(22) SDSSJ0932+4614	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPAR S50			Pattern 2, Exps 2-2 in 0932+4614 both bands (22) (2) 652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]	



Proposal 14608 - 1013+3427 both bands (23) - Host galaxies of high-redshift quasars with extreme outflows

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Visit	Proposal 14608, 1013+3427 both bands (23), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	SDSSJ1013+3427	RA: 10 13 24.5299 (153.3522079d) Dec: +34 27 2.60 (34.45072d) Equinox: J2000		V=19.8	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1013p3427b_lue	(23) SDSSJ1013+3427	ACS/WFC, ACCUM, WFC1	F814W			GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in 1013+3427 both bands (23) (1)	400 Secs (2216 Secs) [==>554.0 Secs (Pattern 1)] [==>554.0 Secs (Pattern 2)] [==>554.0 Secs (Pattern 3)] [==>554.0 Secs (Pattern 4)]
2	1013p3427r_ed	(23) SDSSJ1013+3427	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPARS50		Pattern 2, Exps 2-2 in 1013+3427 both bands (23) (2)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 14608 - 1714+4148 both bands (24) - Host galaxies of high-redshift quasars with extreme outflows

Wed Nov 09 16:25:22 GMT 2016

Visit	Proposal 14608, 1714+4148 both bands (24), withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.262 Line Spacing=0.192	Coordinate Frame=POS-TARG Pattern Orientation=18.39 Angle Between Sides=68.14 Center Pattern=false	(1)						
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(24)	SDSSJ1714+4148	RA: 17 14 20.3801 (258.5849171d) Dec: +41 48 15.70 (41.80436d) Equinox: J2000		V=21.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1714p4148b luc	(24) SDSSJ1714+4148	ACS/WFC, ACCUM, WFC1	F814W				Pattern 1, Exps 1-1 in 1714+4148 both bands (24) (1)	400 Secs (2280 Secs) [=>570.0 Secs (Pattern 1)] [=>570.0 Secs (Pattern 2)] [=>570.0 Secs (Pattern 3)] [=>570.0 Secs (Pattern 4)]
2	1714p4148r ed	(24) SDSSJ1714+4148	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 2, Exps 2-2 in 1714+4148 both bands (24) (2)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]

