



15936 - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark Matter and Stellar Populations to Redshift $z \sim 2$

Cycle: 27, Proposal Category: GO

(UV Initiative)

(Availability Mode: AVAILABLE)

INVESTIGATORS

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VISITS

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
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27	(1) ABELL-370 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:35.0	yes
28	(1) ABELL-370 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:36.0	yes
29	(1) ABELL-370 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:38.0	yes
30	(1) ABELL-370 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:39.0	yes
31	(1) ABELL-370 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:40.0	yes
32	(1) ABELL-370 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:41.0	yes
41	(9) ABELL-S1063 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:42.0	yes
42	(9) ABELL-S1063 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:44.0	yes
43	(9) ABELL-S1063 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:45.0	yes

Proposal 15936 (STScI Edit Number: 6, Created: Monday, December 5, 2022 at 7:01:30 PM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
44	(9) ABELL-S1063 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:46.0	yes
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48	(9) ABELL-S1063 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:51.0	yes
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02	(5) MACSJ0416.1-2403 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:54.0	yes
03	(5) MACSJ0416.1-2403 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:55.0	yes
04	(5) MACSJ0416.1-2403 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:56.0	yes
05	(5) MACSJ0416.1-2403 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:57.0	yes
06	(5) MACSJ0416.1-2403 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:58.0	yes
07	(5) MACSJ0416.1-2403 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:00:59.0	yes
08	(5) MACSJ0416.1-2403 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:01.0	yes
17	(11) MACSJ0717.5+3745 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:02.0	yes

Proposal 15936 (STScI Edit Number: 6, Created: Monday, December 5, 2022 at 7:01:30 PM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
18	(11) MACSJ0717.5+3745 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:03.0	yes
19	(11) MACSJ0717.5+3745 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:04.0	yes
20	(11) MACSJ0717.5+3745 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:06.0	yes
21	(11) MACSJ0717.5+3745 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:07.0	yes
22	(11) MACSJ0717.5+3745 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:08.0	yes
23	(11) MACSJ0717.5+3745 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:09.0	yes
24	(11) MACSJ0717.5+3745 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:10.0	yes
09	(3) MACSJ1149.5+2223 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:11.0	yes
10	(3) MACSJ1149.5+2223 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:13.0	yes
11	(3) MACSJ1149.5+2223 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:14.0	yes
12	(3) MACSJ1149.5+2223 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:15.0	yes
13	(3) MACSJ1149.5+2223 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:16.0	yes
14	(3) MACSJ1149.5+2223 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:18.0	yes
15	(3) MACSJ1149.5+2223 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:19.0	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>
16	(3) MACSJ1149.5+2223 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:20.0	yes
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34	(7) ABELL-2744 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:22.0	yes
35	(7) ABELL-2744 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:23.0	yes
36	(7) ABELL-2744 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:25.0	yes
37	(7) ABELL-2744 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:26.0	yes
38	(7) ABELL-2744 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:27.0	yes
39	(7) ABELL-2744 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:28.0	yes
40	(7) ABELL-2744 ANY	ACS/WFC WFC3/UVIS	2	05-Dec-2022 19:01:30.0	yes

96 Total Orbits Used

ABSTRACT

A total of four bright microlensing events (<26.5 mag AB) of individual luminous stars at redshift $z=1-2$ have recently been discovered in Hubble Space Telescope observations of galaxy-cluster gravitational lenses. The frequency of these events appears to be greater than expected, and a sufficiently elevated rate would directly imply the existence of compact objects consisting of even 1-2% of dark matter. Galaxy-cluster fields also highly magnify the galaxies responsible for the reionization of the universe, yet lens models require improvement to predict the magnifications of high-redshift galaxies accurately. Finally, we lack constraints on the stellar luminosity function at $z=1-2$.

We propose two epochs of unfiltered ACS WFC and WFC3 UVIS imaging of each of the six Hubble Frontier

Field (HFF) galaxy clusters fields with a single-visit five-sigma limiting magnitude of 31 AB. The observations will detect of order 100 microlensing events at three-sigma and two dozen at five-sigma significance, as well as an equal number of always-visible pairs of stellar images. If only 2% of dark matter consists of primordial black holes, then we will detect five times as many microlensing events.

The pairs of stellar images will stringently constrain lens models, probe the abundance of low-mass dark-matter halos, and evaluate the possibility that dark matter consists of ultra-light bosons. The relative rates of microlensing events across lensed galaxies will measure variations in their stellar luminosity functions.

The proposed imaging program will, finally, identify low-redshift contaminants in James Webb Space Telescope Lyman-break galaxy samples, and detect ultra-faint galaxies.

OBSERVING DESCRIPTION

We will acquire two epochs of deep, unfiltered ACS WFC and WFC3 UVIS imaging of each of the six Hubble Frontier Field (HFF; PI: Lotz) galaxy-cluster fields. The program will acquire simultaneous unfiltered ACS WFC and WFC3 UVIS imaging of primary and parallel fields. During each sixteen-orbit visit to each HFF cluster target, we plan to alternate between ACS WFC and WFC UVIS observations of the prime field. As described in the proposal, the detectors' differing sensitivity as a function of wavelength will provide approximate information about the spectral energy distributions of lensed sources. This alternating strategy means that we will acquire a pair of parallel fields on opposite sides of the cluster during each visit. One of these will be observed using ACS WFC and the other WFC3 UVIS.

The imaging will provide unprecedented sensitivity to the microlensing fluctuations of individual, background stars arising from objects in the foreground galaxy-cluster lenses. The rate of microlensing events will have sensitivity to even a small fraction ($\sim 1\text{-}2\%$) of dark matter in the form of compact objects, and constrain the luminosity function of stellar populations up to redshift $z \sim 2$. Moreover, the extremely deep integrations will provide a powerful new dataset for studying the faint end of the galaxy luminosity function across a significant fraction of cosmic history and the nature of ultra-diffuse galaxies, as well as enable additional significant scientific investigations.

A primary purpose of the parallel-field observations is to carry out a control experiment to measure the rate of transients corresponding to both instrumental artifacts and stellar outbursts in galaxies in the parallel fields. We can then model the measured rate of instrumental artifacts or

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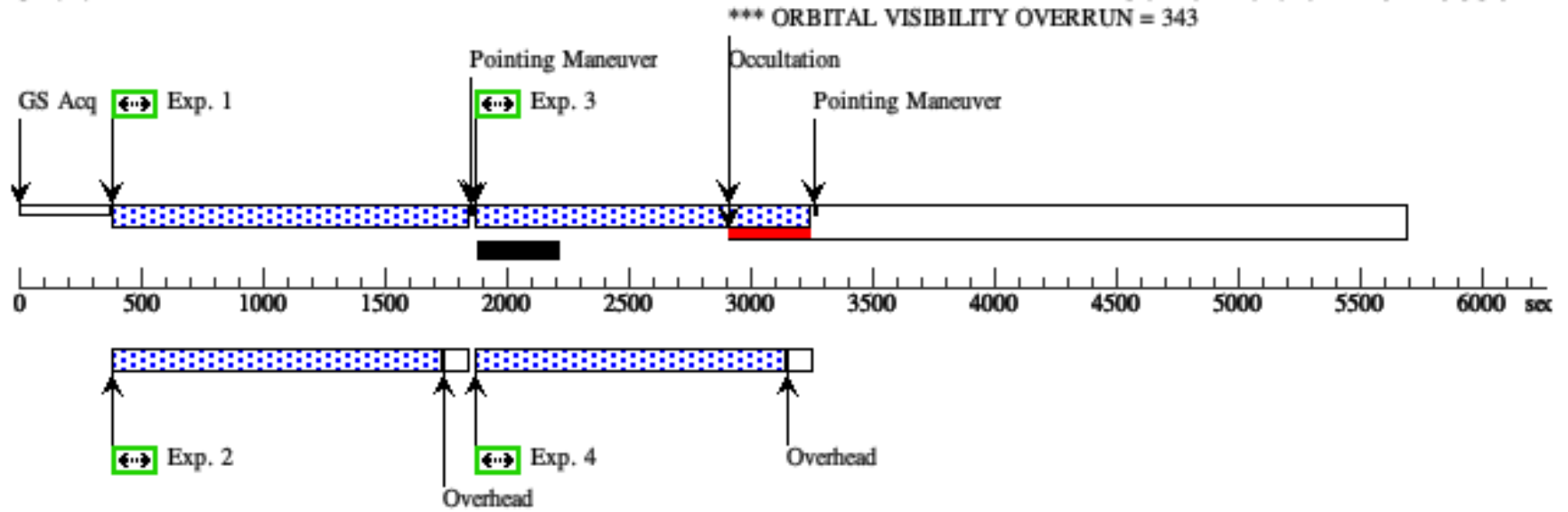
outbursts (controlling for magnification) in the parallel fields, and subtract the estimated rate from that measured in highly magnified galaxies in the prime field.

Proposal 15936 - ABELL-370 ACS/WFC Primary (25) - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark Matt...

Visit	Proposal 15936, ABELL-370 ACS/WFC Primary (25), completed								Tue Dec 06 00:01:30 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SEQ 25,26,27,28,29,30,31,32 WITHIN 40 H									
Diagnostics	(ABELL-370 ACS/WFC Primary (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-370 ACS/WFC Primary (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	ABELL-370	RA: 02 39 52.8000 (39.9700000d) Dec: -01 34 36.00 (-1.57667d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.37793 140625000005,10.17 016312	Prime + Parallel Gro up 1-2 in ABELL-37 0 ACS/WFC Primary (25)	1109 Secs (1250 Secs) [==>1250 Secs]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 1-2 in ABELL-37 0 ACS/WFC Primary (25)	1130 Secs (1320 Secs) [==>1320.0 Secs]	[1]
	3		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.77026 39062500001,10.326 423125	Prime + Parallel Gro up 3-4 in ABELL-37 0 ACS/WFC Primary (25)	1109 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	4		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 3-4 in ABELL-37 0 ACS/WFC Primary (25)	1250 Secs (1274 Secs) [==>1274.0 Secs]	[1]
	5		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.64260 01562,5.6255018749 99999	Prime + Parallel Gro up 5-6 in ABELL-37 0 ACS/WFC Primary (25)	1166 Secs (1305 Secs) [==>1305.0 Secs]	[2]
	6		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 5-6 in ABELL-37 0 ACS/WFC Primary (25)	1185 Secs (1320 Secs) [==>1320.0 Secs]	[2]
	7		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 1.05672 890625,5.471368125	Prime + Parallel Gro up 7-8 in ABELL-37 0 ACS/WFC Primary (25)	1167 Secs (1305 Secs) [==>1305.0 Secs]	[2]
	8		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 7-8 in ABELL-37 0 ACS/WFC Primary (25)	1260 Secs (1320 Secs) [==>1320.0 Secs]	[2]

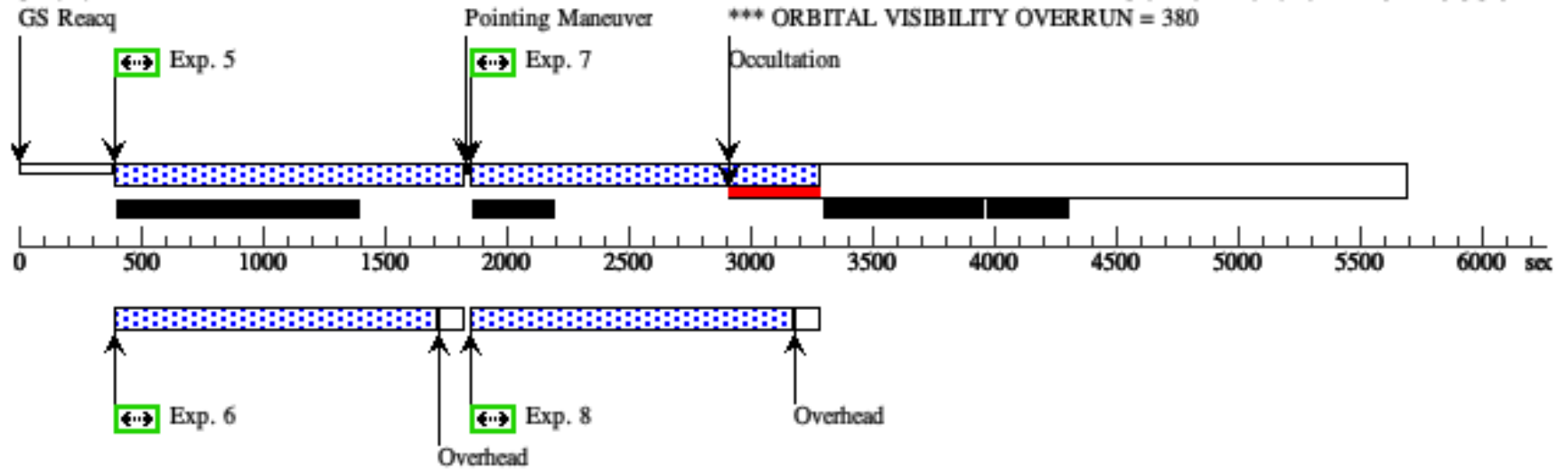
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

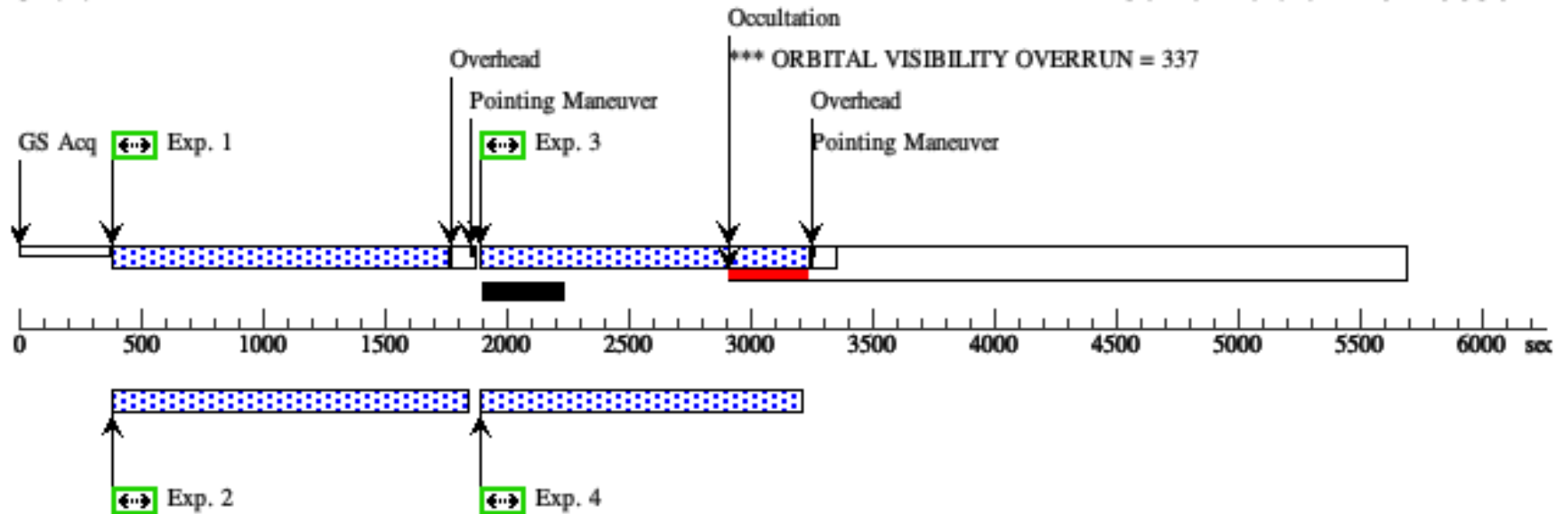


Proposal 15936 - ABELL-370 WFC3/UVIS Primary (26) - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark M...

Visit	Proposal 15936, ABELL-370 WFC3/UVIS Primary (26), completed							Tue Dec 06 00:01:31 GMT 2022		
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 25									
Diagnostics	(ABELL-370 WFC3/UVIS Primary (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-370 WFC3/UVIS Primary (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(1)	ABELL-370	RA: 02 39 52.8000 (39.9700000d) Dec: -01 34 36.00 (-1.57667d) Equinox: J2000			V=27	Reference Frame: ICRS			
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.2410 03125,1.2380015625	Prime + Parallel Group 1-2 in ABELL-370 WFC3/UVIS Primary (26)	1110 Secs (1350 Secs) [==>1350.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 1-2 in ABELL-370 WFC3/UVIS Primary (26)	1109 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	3		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.12792 6562,1.294478125	Prime + Parallel Group 3-4 in ABELL-370 WFC3/UVIS Primary (26)	1210 Secs (1350 Secs) [==>1350.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 3-4 in ABELL-370 WFC3/UVIS Primary (26)	1109 Secs (1200 Secs) [==>1200.0 Secs]	[1]
	5		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.2113 0312,-3.3320984375 000005	Prime + Parallel Group 5-6 in ABELL-370 WFC3/UVIS Primary (26)	1185 Secs (1380 Secs) [==>1380.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 5-6 in ABELL-370 WFC3/UVIS Primary (26)	1164 Secs (1300 Secs) [==>1300.0 Secs]	[2]
	7		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.24533 4375000000,-3.499 6984375	Prime + Parallel Group 7-8 in ABELL-370 WFC3/UVIS Primary (26)	1259 Secs (1380 Secs) [==>1380.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 7-8 in ABELL-370 WFC3/UVIS Primary (26)	1167 Secs (1210 Secs) [==>1210.0 Secs]	[2]

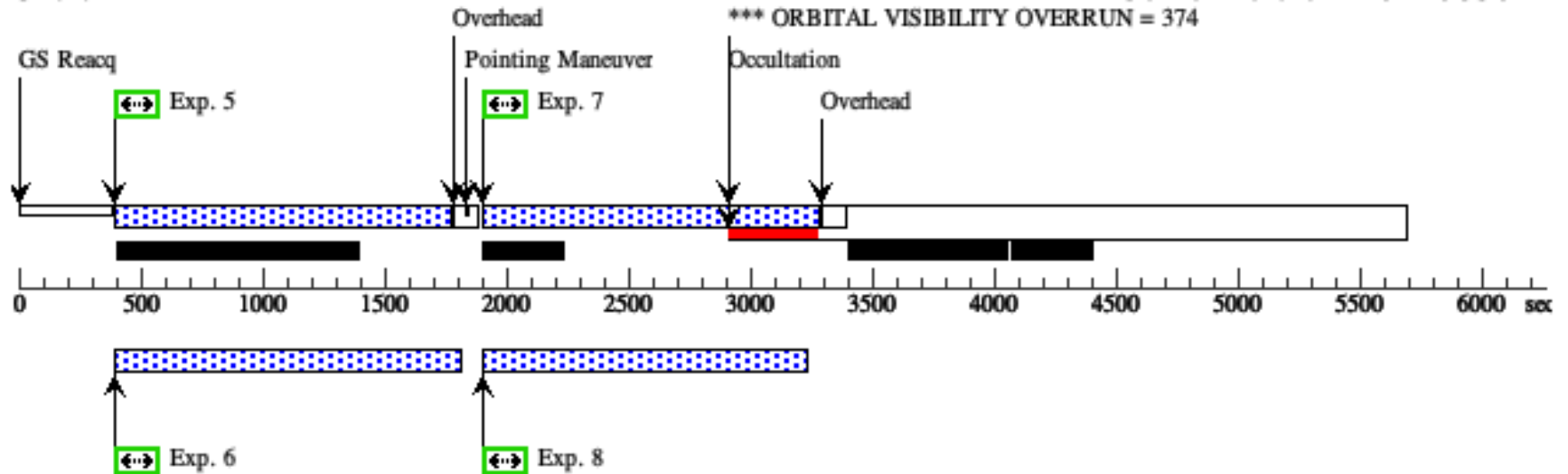
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

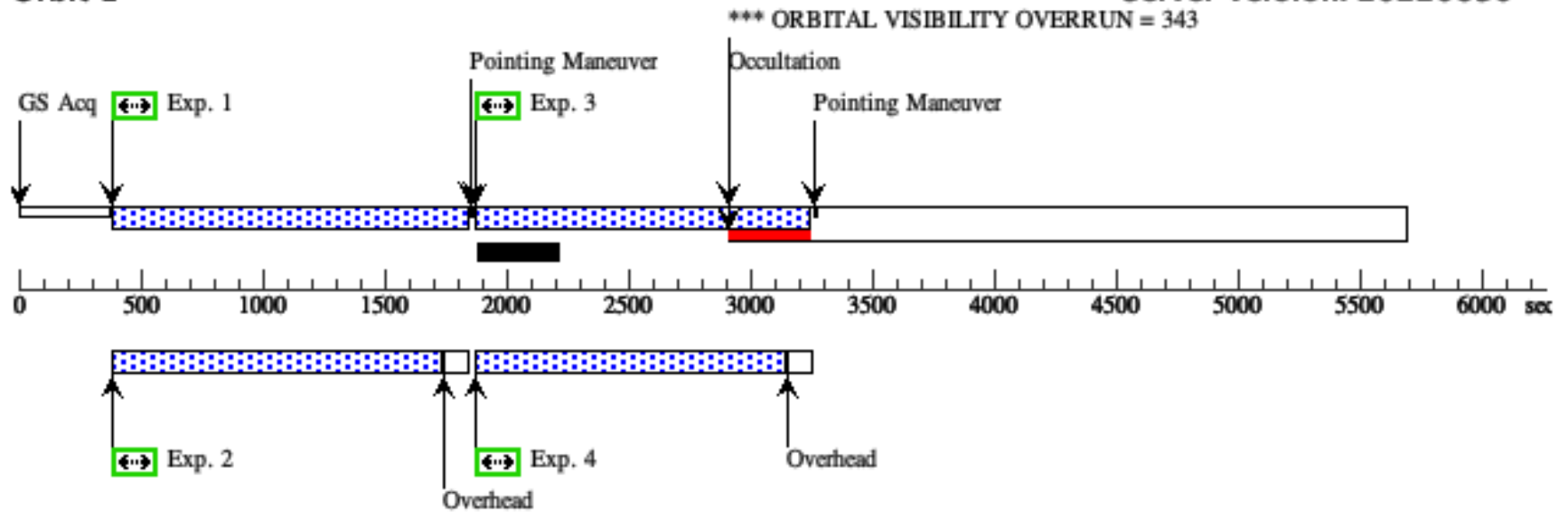


Proposal 15936 - ABELL-370 ACS/WFC Primary (27) - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark Matt...

Visit	Proposal 15936, ABELL-370 ACS/WFC Primary (27), completed								Tue Dec 06 00:01:31 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 25									
Diagnostics	(ABELL-370 ACS/WFC Primary (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-370 ACS/WFC Primary (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	ABELL-370	RA: 02 39 52.8000 (39.9700000d) Dec: -01 34 36.00 (-1.57667d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.63325 890625,10.25948812 5	Prime + Parallel Gro up 1-2 in ABELL-37 0 ACS/WFC Primary (27)	1109 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 1-2 in ABELL-37 0 ACS/WFC Primary (27)	1130 Secs (1320 Secs) [==>1320.0 Secs]	[1]
	3		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.85122 1406250000,10.2597 2312	Prime + Parallel Gro up 3-4 in ABELL-37 0 ACS/WFC Primary (27)	1109 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	4		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 3-4 in ABELL-37 0 ACS/WFC Primary (27)	1250 Secs (1274 Secs) [==>1274.0 Secs]	[1]
	5		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.52388 8437,5.459752187	Prime + Parallel Gro up 5-6 in ABELL-37 0 ACS/WFC Primary (27)	1166 Secs (1305 Secs) [==>1305.0 Secs]	[2]
	6		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 5-6 in ABELL-37 0 ACS/WFC Primary (27)	1185 Secs (1320 Secs) [==>1320.0 Secs]	[2]
	7		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.90415 51562500001, 5.495 081875	Prime + Parallel Gro up 7-8 in ABELL-37 0 ACS/WFC Primary (27)	1167 Secs (1305 Secs) [==>1305.0 Secs]	[2]
	8		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 7-8 in ABELL-37 0 ACS/WFC Primary (27)	1260 Secs (1320 Secs) [==>1320.0 Secs]	[2]

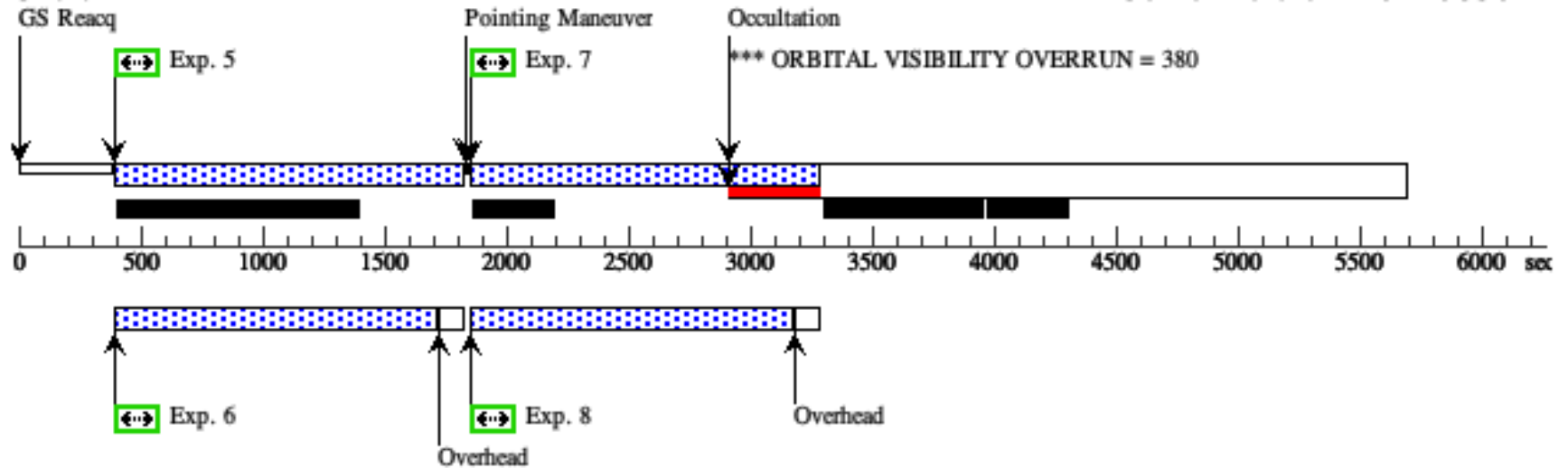
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

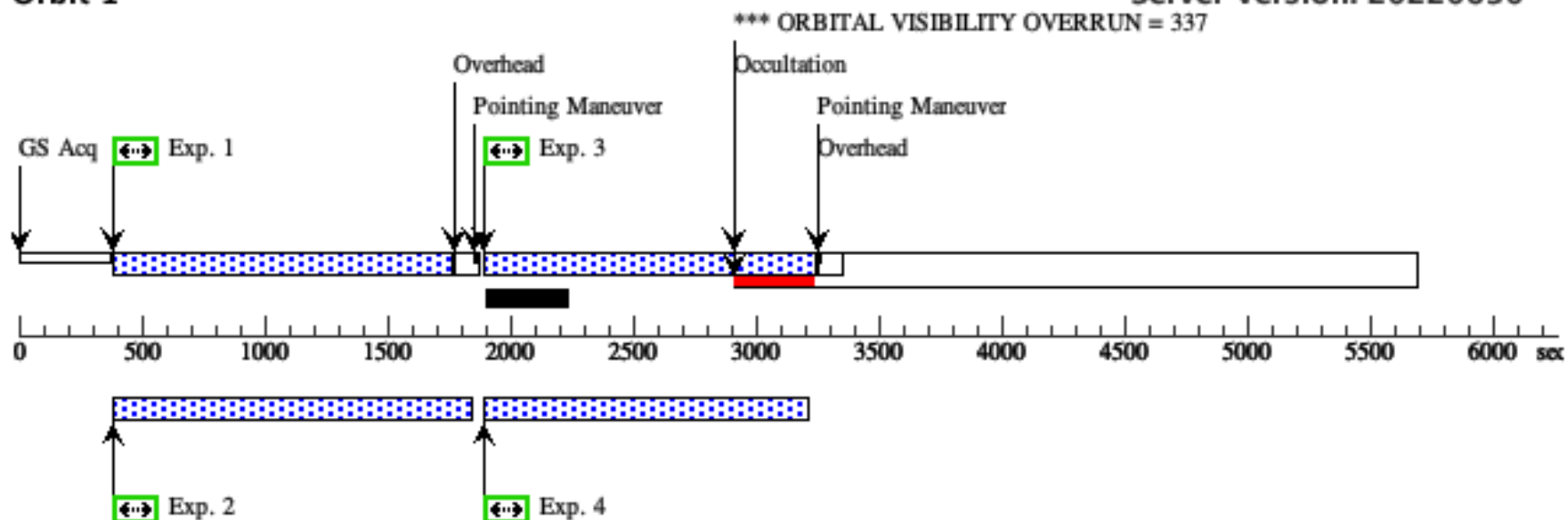


Proposal 15936 - ABELL-370 WFC3/UVIS Primary (28) - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark M...

Visit	Proposal 15936, ABELL-370 WFC3/UVIS Primary (28), completed								Tue Dec 06 00:01:31 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 25									
Diagnostics	(ABELL-370 WFC3/UVIS Primary (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-370 WFC3/UVIS Primary (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	ABELL-370	RA: 02 39 52.8000 (39.9700000d) Dec: -01 34 36.00 (-1.57667d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0640 4062,1.3303015625	Prime + Parallel Group 1-2 in ABELL-370 WFC3/UVIS Primary (28)	1110 Secs (1350 Secs) [==>1350.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 1-2 in ABELL-370 WFC3/UVIS Primary (28)	1109 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	3		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0986 90625,1.4217515625 000001	Prime + Parallel Group 3-4 in ABELL-370 WFC3/UVIS Primary (28)	1210 Secs (1350 Secs) [==>1350.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 3-4 in ABELL-370 WFC3/UVIS Primary (28)	1109 Secs (1200 Secs) [==>1200.0 Secs]	[1]
	5		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1653 6093750000003,-3.5704406250000003	Prime + Parallel Group 5-6 in ABELL-370 WFC3/UVIS Primary (28)	1185 Secs (1380 Secs) [==>1380.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 5-6 in ABELL-370 WFC3/UVIS Primary (28)	1164 Secs (1300 Secs) [==>1300.0 Secs]	[2]
	7		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.19970 15625,-3.625784375 0000003	Prime + Parallel Group 7-8 in ABELL-370 WFC3/UVIS Primary (28)	1259 Secs (1380 Secs) [==>1380.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 7-8 in ABELL-370 WFC3/UVIS Primary (28)	1167 Secs (1210 Secs) [==>1210.0 Secs]	[2]

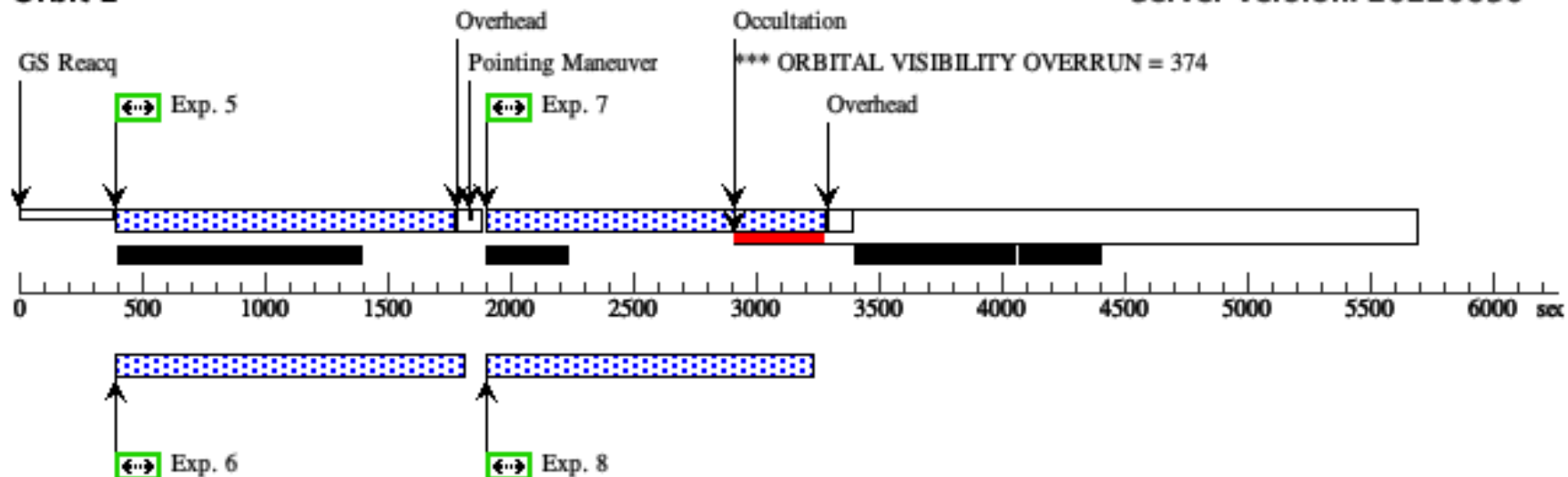
Orbit 1

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Server Version: 20220630

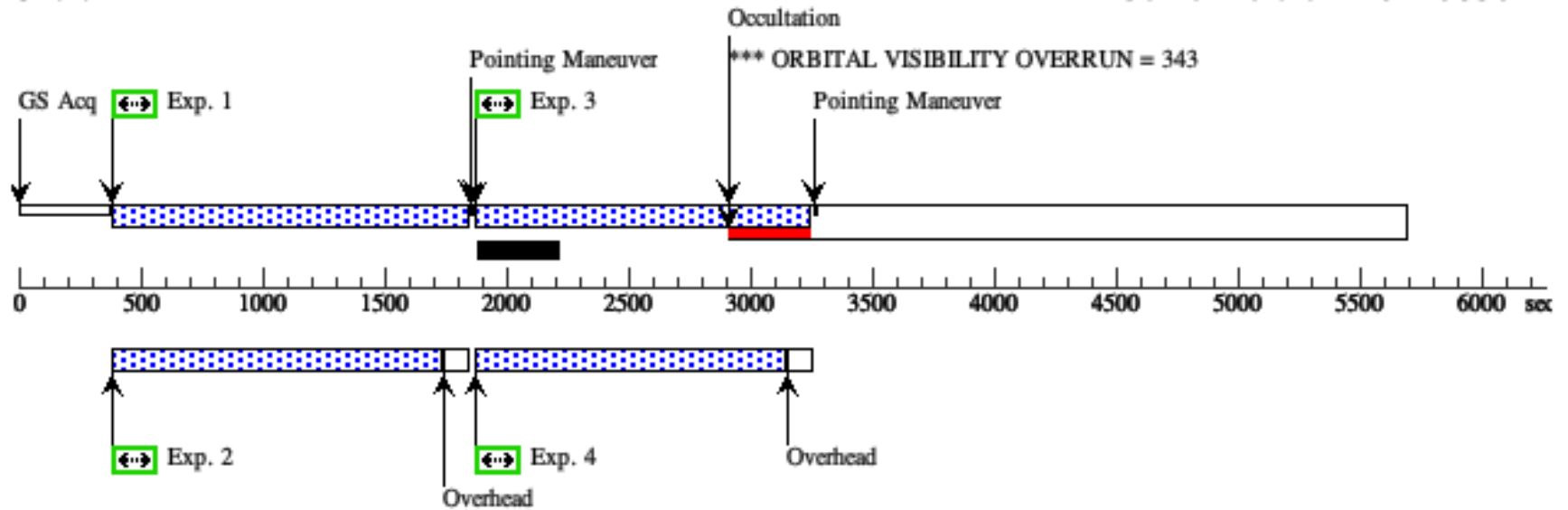


Proposal 15936 - ABELL-370 ACS/WFC Primary (29) - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark Matt...

Visit	Proposal 15936, ABELL-370 ACS/WFC Primary (29), completed								Tue Dec 06 00:01:31 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 25									
Diagnostics	(ABELL-370 ACS/WFC Primary (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-370 ACS/WFC Primary (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	ABELL-370	RA: 02 39 52.8000 (39.9700000d) Dec: -01 34 36.00 (-1.57667d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.62975 59375,10.219717187 5	Prime + Parallel Gro up 1-2 in ABELL-37 0 ACS/WFC Primary (29)	1109 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 1-2 in ABELL-37 0 ACS/WFC Primary (29)	1130 Secs (1320 Secs) [==>1320.0 Secs]	[1]
	3		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 1.06295 640625,10.10267812 5	Prime + Parallel Gro up 3-4 in ABELL-37 0 ACS/WFC Primary (29)	1109 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	4		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 3-4 in ABELL-37 0 ACS/WFC Primary (29)	1250 Secs (1274 Secs) [==>1274.0 Secs]	[1]
	5		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.43709 265625000004,5.449 694375	Prime + Parallel Gro up 5-6 in ABELL-37 0 ACS/WFC Primary (29)	1166 Secs (1305 Secs) [==>1305.0 Secs]	[2]
	6		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 5-6 in ABELL-37 0 ACS/WFC Primary (29)	1185 Secs (1320 Secs) [==>1320.0 Secs]	[2]
	7		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 1.03804 64062,5.502228125	Prime + Parallel Gro up 7-8 in ABELL-37 0 ACS/WFC Primary (29)	1167 Secs (1305 Secs) [==>1305.0 Secs]	[2]
	8		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Gro up 7-8 in ABELL-37 0 ACS/WFC Primary (29)	1260 Secs (1320 Secs) [==>1320.0 Secs]	[2]

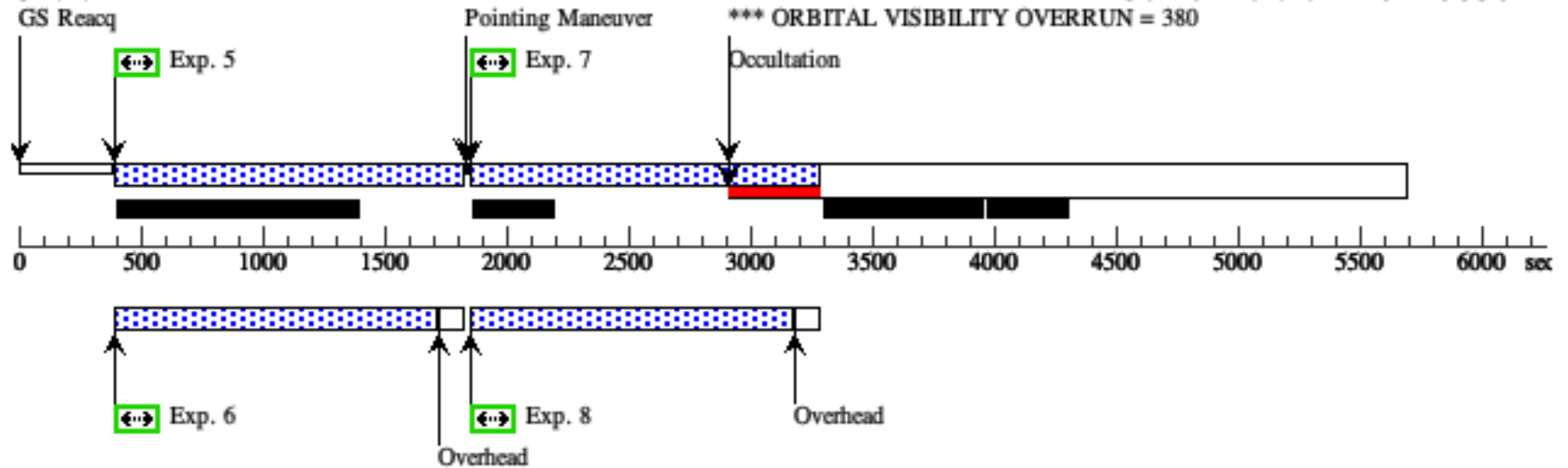
Orbit 1

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Server Version: 20220630

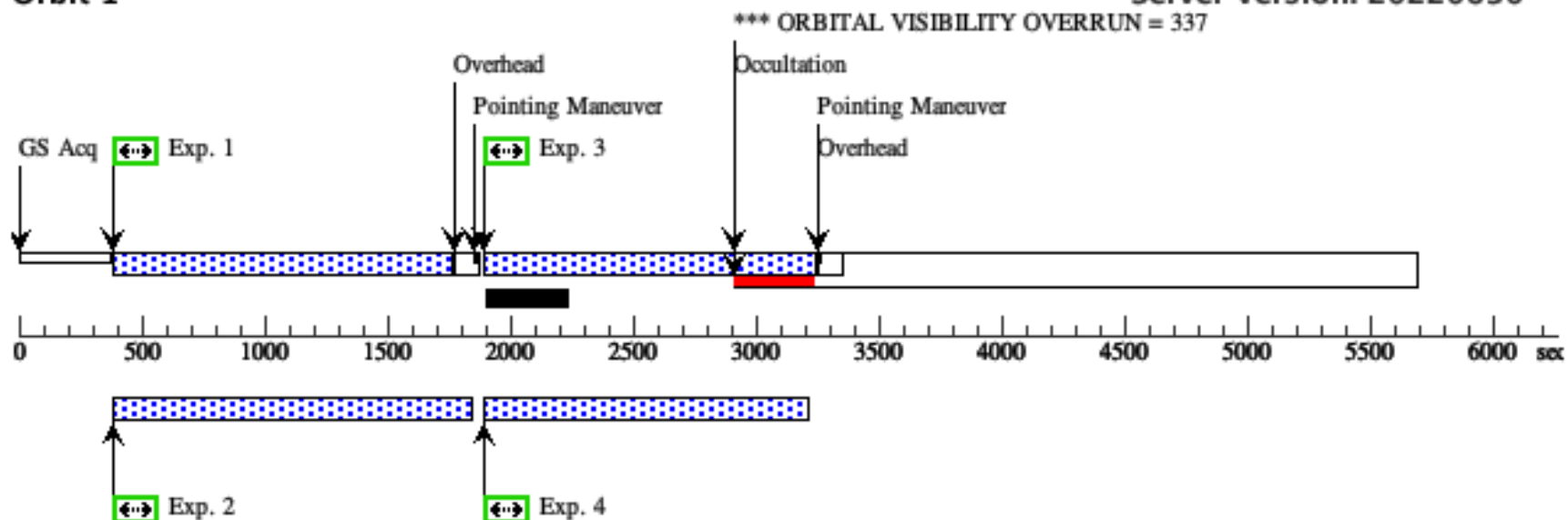


Proposal 15936 - ABELL-370 WFC3/UVIS Primary (30) - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark M...

Visit	Proposal 15936, ABELL-370 WFC3/UVIS Primary (30), completed								Tue Dec 06 00:01:31 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 25									
Diagnostics	(ABELL-370 WFC3/UVIS Primary (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-370 WFC3/UVIS Primary (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	ABELL-370	RA: 02 39 52.8000 (39.9700000d) Dec: -01 34 36.00 (-1.57667d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1048 78125,1.4966265625	Prime + Parallel Group 1-2 in ABELL-370 WFC3/UVIS Primary (30)	1110 Secs (1350 Secs) [==>1350.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 1-2 in ABELL-370 WFC3/UVIS Primary (30)	1109 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	3		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0966 7968750000001,1.20 078125	Prime + Parallel Group 3-4 in ABELL-370 WFC3/UVIS Primary (30)	1210 Secs (1350 Secs) [==>1350.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 3-4 in ABELL-370 WFC3/UVIS Primary (30)	1109 Secs (1200 Secs) [==>1200.0 Secs]	[1]
	5		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0323 29687,-3.52989375	Prime + Parallel Group 5-6 in ABELL-370 WFC3/UVIS Primary (30)	1185 Secs (1380 Secs) [==>1380.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 5-6 in ABELL-370 WFC3/UVIS Primary (30)	1164 Secs (1300 Secs) [==>1300.0 Secs]	[2]
	7		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.06713 437500000001,-3.33 40984375000002	Prime + Parallel Group 7-8 in ABELL-370 WFC3/UVIS Primary (30)	1259 Secs (1380 Secs) [==>1380.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 7-8 in ABELL-370 WFC3/UVIS Primary (30)	1167 Secs (1210 Secs) [==>1210.0 Secs]	[2]

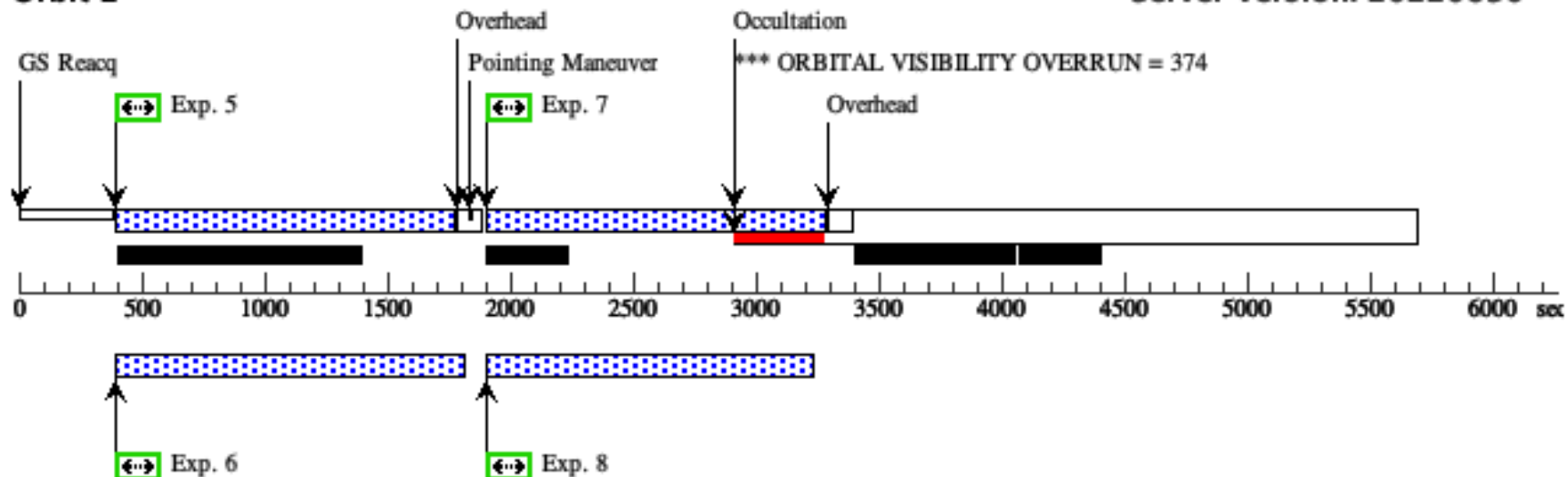
Orbit 1

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Orbit 2

Server Version: 20220630

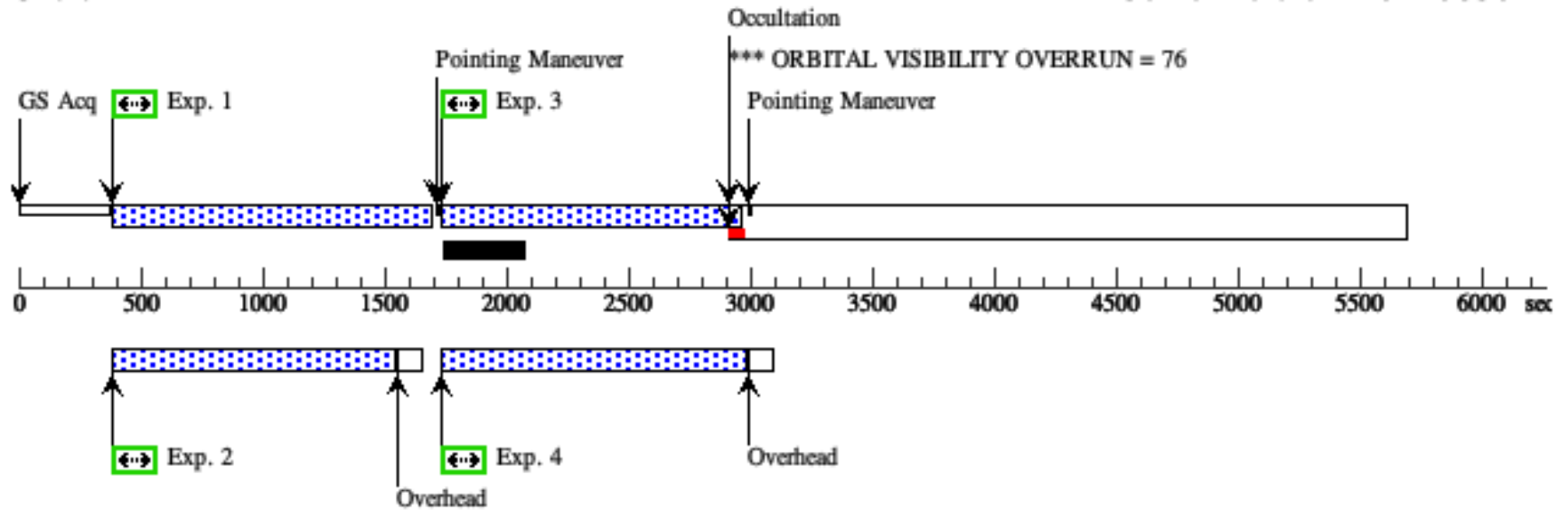


Proposal 15936 - ABELL-370 ACS/WFC Primary (31) - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark Matt...

Visit	Proposal 15936, ABELL-370 ACS/WFC Primary (31), completed								Tue Dec 06 00:01:31 GMT 2022		
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/UVIS, ACS/WFC										
	Special Requirements: SCHED 100%; SAME ORIENT AS 25										
Diagnostics	(ABELL-370 ACS/WFC Primary (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(ABELL-370 ACS/WFC Primary (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	ABELL-370	RA: 02 39 52.8000 (39.9700000d) Dec: -01 34 36.00 (-1.57667d) Equinox: J2000				V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.31254 265625,10.19648437 5	Prime + Parallel Group 1-2 in ABELL-370 ACS/WFC Primary (31)	1109 Secs (1109 Secs) [==>]		[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Group 1-2 in ABELL-370 ACS/WFC Primary (31)	1130 Secs (1130 Secs) [==>]		[1]
	3		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.97265 7656250000,10.2790 64375	Prime + Parallel Group 3-4 in ABELL-370 ACS/WFC Primary (31)	1109 Secs (1109 Secs) [==>]		[1]
	4		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Group 3-4 in ABELL-370 ACS/WFC Primary (31)	1250 Secs (1250 Secs) [==>]		[1]
	5		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.64532 46875,5.6927409375	Prime + Parallel Group 5-6 in ABELL-370 ACS/WFC Primary (31)	1166 Secs (1166 Secs) [==>]		[2]
	6		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Group 5-6 in ABELL-370 ACS/WFC Primary (31)	1185 Secs (1185 Secs) [==>]		[2]
	7		(1) ABELL-370	ACS/WFC, ACCUM, WFCENTER	CLEAR		POS TARG 0.84149 09375,5.3624271875	Prime + Parallel Group 7-8 in ABELL-370 ACS/WFC Primary (31)	1167 Secs (1167 Secs) [==>]		[2]
	8		ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP			Prime + Parallel Group 7-8 in ABELL-370 ACS/WFC Primary (31)	1260 Secs (1260 Secs) [==>]		[2]

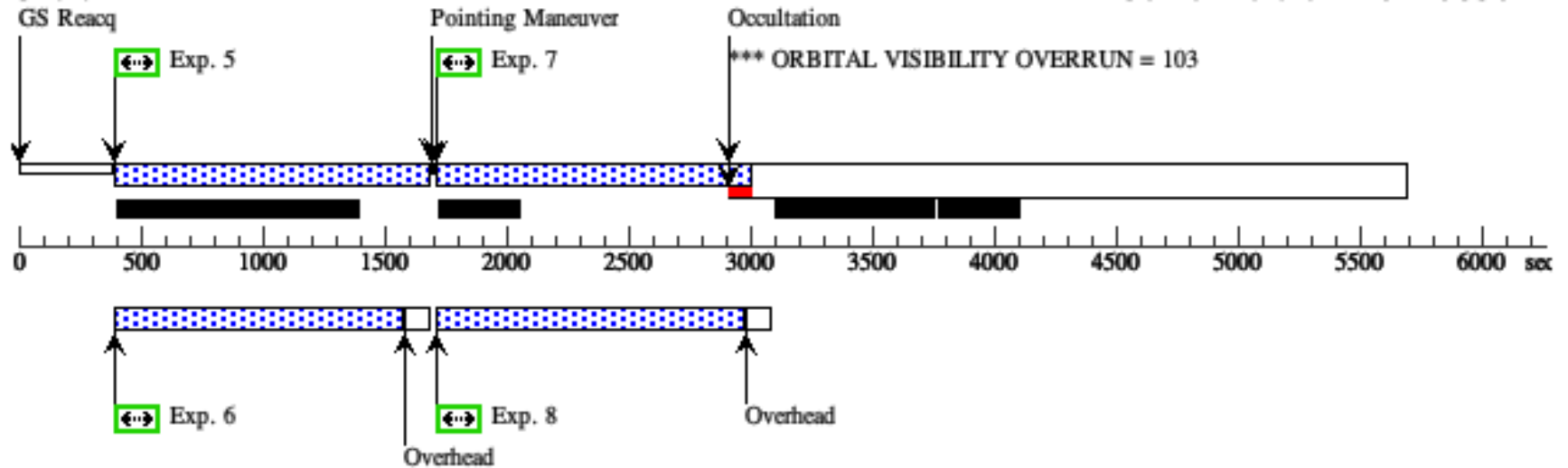
Orbit 1

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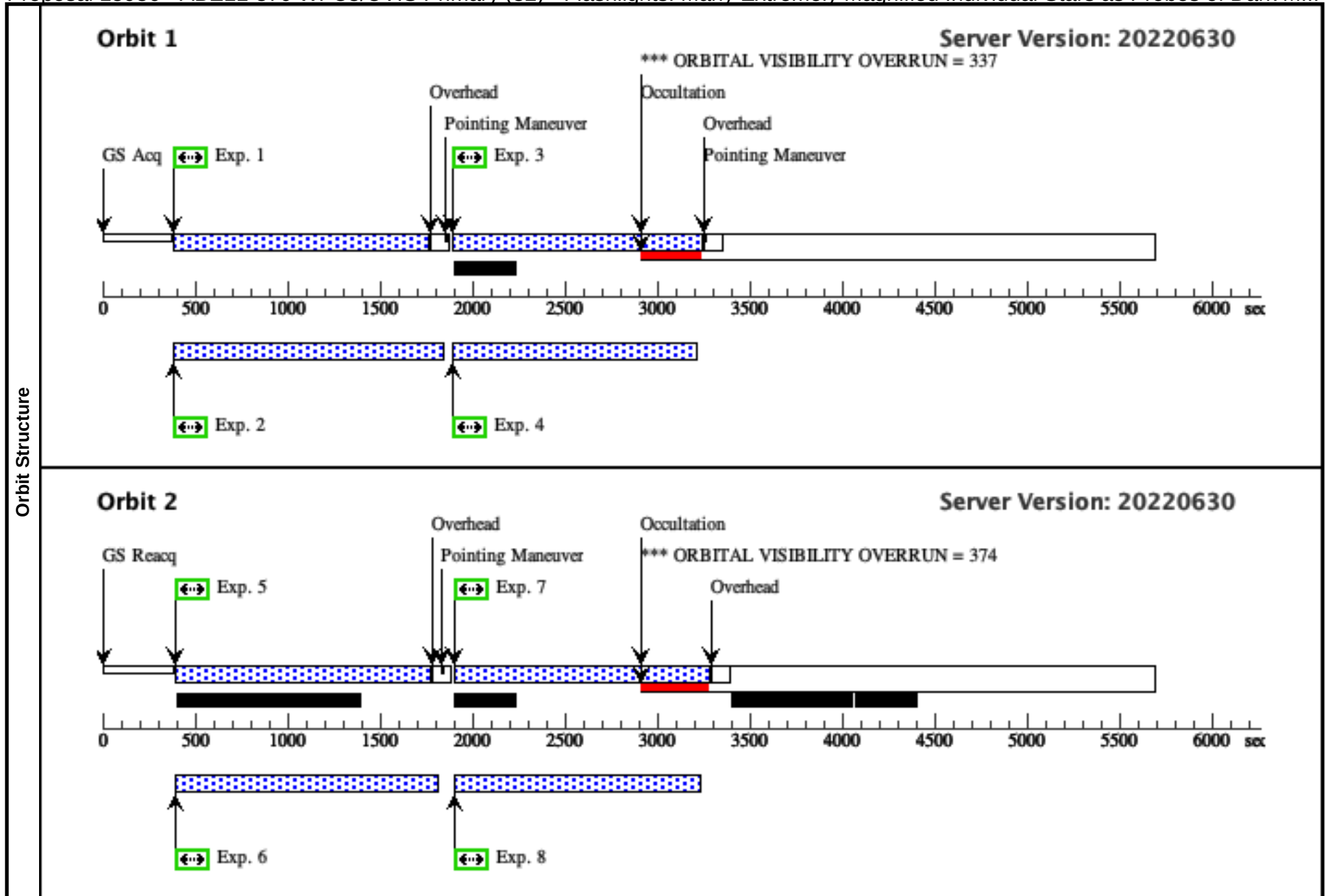
Orbit 2

Server Version: 20220630



Proposal 15936 - ABELL-370 WFC3/UVIS Primary (32) - Flashlights: Many Extremely Magnified Individual Stars as Probes of Dark M...

Visit	Proposal 15936, ABELL-370 WFC3/UVIS Primary (32), completed								Tue Dec 06 00:01:31 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 25									
Diagnostics	(ABELL-370 WFC3/UVIS Primary (32)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-370 WFC3/UVIS Primary (32)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	ABELL-370	RA: 02 39 52.8000 (39.9700000d) Dec: -01 34 36.00 (-1.57667d) Equinox: J2000 Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]			V=27		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.2867 9062,1.35955156249 99999	Prime + Parallel Group 1-2 in ABELL-370 WFC3/UVIS Primary (32)	1110 Secs (1350 Secs) [==>1350 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 1-2 in ABELL-370 WFC3/UVIS Primary (32)	1109 Secs (1250 Secs) [==>1250 Secs]	[1]
	3		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.12668 90625,1.510409375	Prime + Parallel Group 3-4 in ABELL-370 WFC3/UVIS Primary (32)	1210 Secs (1350 Secs) [==>1350 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 3-4 in ABELL-370 WFC3/UVIS Primary (32)	1109 Secs (1200 Secs) [==>1200 Secs]	[1]
	5		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1678 35937,-3.286703125	Prime + Parallel Group 5-6 in ABELL-370 WFC3/UVIS Primary (32)	1185 Secs (1380 Secs) [==>1380 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 5-6 in ABELL-370 WFC3/UVIS Primary (32)	1164 Secs (1300 Secs) [==>1300 Secs]	[2]
	7		(1) ABELL-370	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.02134 687,-3.5285484375	Prime + Parallel Group 7-8 in ABELL-370 WFC3/UVIS Primary (32)	1259 Secs (1380 Secs) [==>1380 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	CLEAR			Prime + Parallel Group 7-8 in ABELL-370 WFC3/UVIS Primary (32)	1167 Secs (1210 Secs) [==>1210 Secs]	[2]

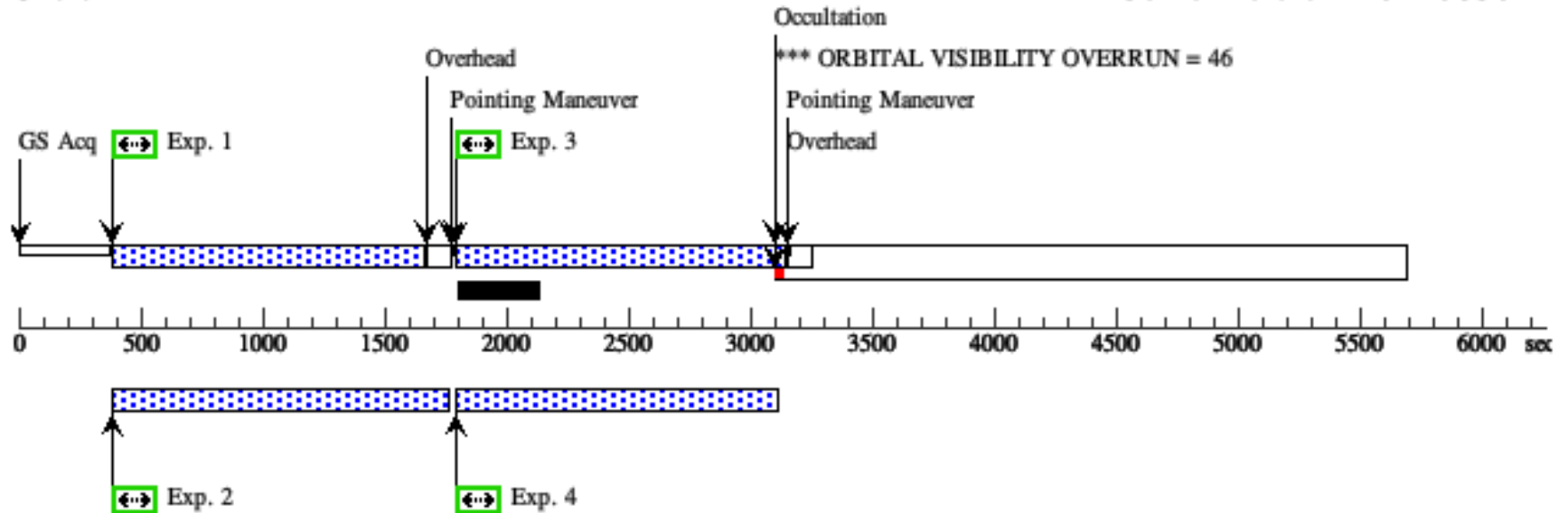


Proposal 15936 - ABELL-S1063 WFC3/UVIS F350LP Primary (41) - Flashlights: Many Extremely Magnified Individual Stars as Probes...

Visit	Proposal 15936, ABELL-S1063 WFC3/UVIS F350LP Primary (41), completed							Tue Dec 06 00:01:31 GMT 2022		
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 60%									
Diagnostics	(ABELL-S1063 WFC3/UVIS F350LP Primary (41)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-S1063 WFC3/UVIS F350LP Primary (41)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(9)	ABELL-S1063	RA: 22 48 44.3000 (342.1845833d) Dec: -44 31 48.40 (-44.53011d) Equinox: J2000				V=27	Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2410 03125,1.2380015625	Prime + Parallel Group 1-2 in ABELL-S1063 WFC3/UVIS F350LP Primary (41)	1110 Secs (1250 Secs) [==>1250.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in ABELL-S1063 WFC3/UVIS F350LP Primary (41)	1109 Secs (1170 Secs) [==>1170.0 Secs]	[1]
	3		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.12792 6562,1.29447812	Prime + Parallel Group 3-4 in ABELL-S1063 WFC3/UVIS F350LP Primary (41)	1210 Secs (1350 Secs) [==>1350.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in ABELL-S1063 WFC3/UVIS F350LP Primary (41)	1109 Secs (1198 Secs) [==>1198.0 Secs]	[1]
	5		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2113 03125,-3.332098	Prime + Parallel Group 5-6 in ABELL-S1063 WFC3/UVIS F350LP Primary (41)	1185 Secs (1296 Secs) [==>1296.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in ABELL-S1063 WFC3/UVIS F350LP Primary (41)	1164 Secs (1264 Secs) [==>1264.0 Secs]	[2]
	7		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.24533 437500000002,-3.49 96984375	Prime + Parallel Group 7-8 in ABELL-S1063 WFC3/UVIS F350LP Primary (41)	1259 Secs (1370 Secs) [==>1370.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in ABELL-S1063 WFC3/UVIS F350LP Primary (41)	1167 Secs (1187 Secs) [==>1187.0 Secs]	[2]

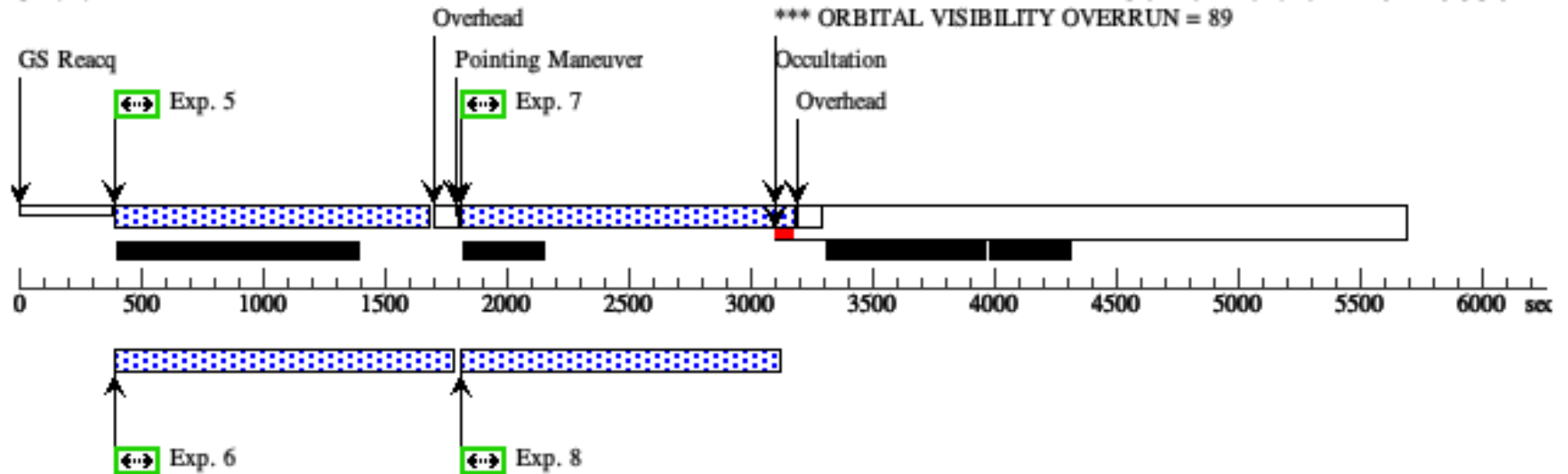
Orbit 1

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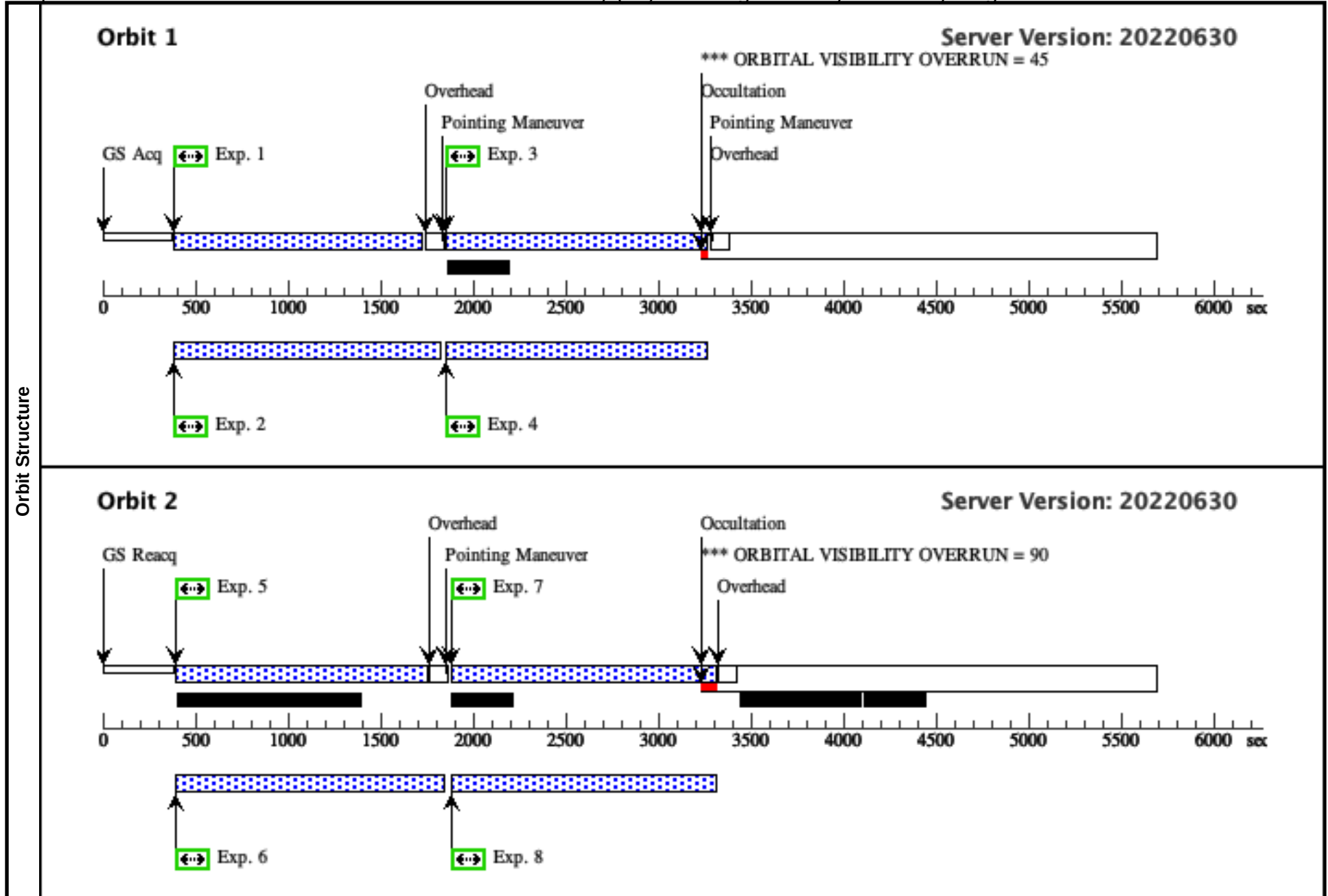
Orbit 2

Server Version: 20220630



Proposal 15936 - ABELL-S1063 WFC3/UVIS F200LP Primary (42) - Flashlights: Many Extremely Magnified Individual Stars as Probes...

Visit	Proposal 15936, ABELL-S1063 WFC3/UVIS F200LP Primary (42), completed								Tue Dec 06 00:01:31 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 30%; SAME ORIENT AS 41									
Diagnostics	(ABELL-S1063 WFC3/UVIS F200LP Primary (42)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-S1063 WFC3/UVIS F200LP Primary (42)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	ABELL-S1063	RA: 22 48 44.3000 (342.1845833d) Dec: -44 31 48.40 (-44.53011d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1047 234375,1.293428125	Prime + Parallel Group 1-2 in ABELL-S1063 WFC3/UVIS F200LP Primary (42)	1110 Secs (1314 Secs) [==>1314.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in ABELL-S1063 WFC3/UVIS F200LP Primary (42)	1109 Secs (1230 Secs) [==>1230.0 Secs]	[1]
	3		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0504 28125000000004,1.2584015625	Prime + Parallel Group 3-4 in ABELL-S1063 WFC3/UVIS F200LP Primary (42)	1210 Secs (1414 Secs) [==>1414.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in ABELL-S1063 WFC3/UVIS F200LP Primary (42)	1109 Secs (1288 Secs) [==>1288.0 Secs]	[1]
	5		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01283 90625000000002,-3.380540625	Prime + Parallel Group 5-6 in ABELL-S1063 WFC3/UVIS F200LP Primary (42)	1185 Secs (1361 Secs) [==>1361.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in ABELL-S1063 WFC3/UVIS F200LP Primary (42)	1164 Secs (1324 Secs) [==>1324.0 Secs]	[2]
	7		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.28880 15625,-3.372834375	Prime + Parallel Group 7-8 in ABELL-S1063 WFC3/UVIS F200LP Primary (42)	1259 Secs (1435 Secs) [==>1435.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in ABELL-S1063 WFC3/UVIS F200LP Primary (42)	1167 Secs (1307 Secs) [==>1307.0 Secs]	[2]

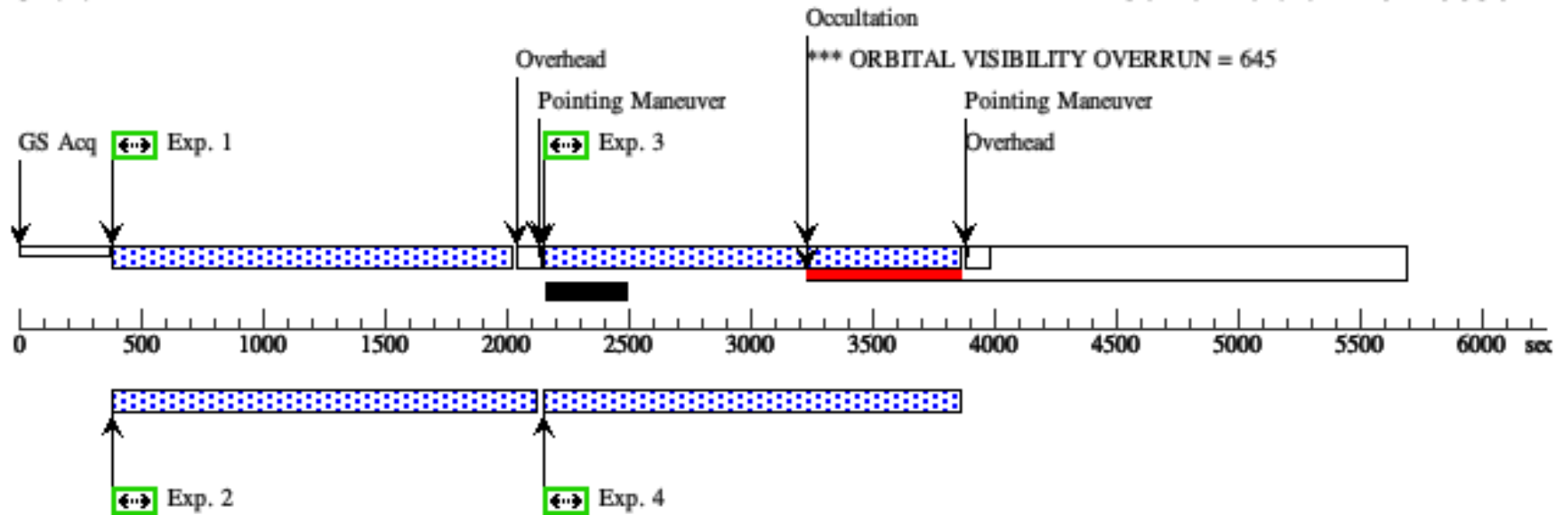


Proposal 15936 - ABELL-S1063 WFC3/UVIS F350LP Primary (43) - Flashlights: Many Extremely Magnified Individual Stars as Probes...

Visit	Proposal 15936, ABELL-S1063 WFC3/UVIS F350LP Primary (43), completed								Tue Dec 06 00:01:31 GMT 2022		
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/UVIS, ACS/WFC										
	Special Requirements: SCHED 30%; SAME ORIENT AS 41										
Diagnostics	(ABELL-S1063 WFC3/UVIS F350LP Primary (43)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(ABELL-S1063 WFC3/UVIS F350LP Primary (43)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	ABELL-S1063	RA: 22 48 44.3000 (342.1845833d) Dec: -44 31 48.40 (-44.53011d) Equinox: J2000				V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2397 65625,1.2763515625	Prime + Parallel Gro up 1-2 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (43)	1110 Secs (1614 Secs) [==>1614.0 Secs]		[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 1-2 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (43)	1109 Secs (1530 Secs) [==>1530.0 Secs]		[1]
	3		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.03867 1875,1.5113515625	Prime + Parallel Gro up 3-4 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (43)	1210 Secs (1714 Secs) [==>1714.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 3-4 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (43)	1109 Secs (1588 Secs) [==>1588.0 Secs]		[1]
	5		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0298 54687, -3.310006250 0000003	Prime + Parallel Gro up 5-6 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (43)	1185 Secs (1661 Secs) [==>1661.0 Secs]		[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 5-6 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (43)	1164 Secs (1624 Secs) [==>1624.0 Secs]		[2]
	7		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.02196 5625000000003,-3.3 390296874999996	Prime + Parallel Gro up 7-8 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (43)	1259 Secs (1735 Secs) [==>1735.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 7-8 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (43)	1167 Secs (1607 Secs) [==>1607.0 Secs]		[2]

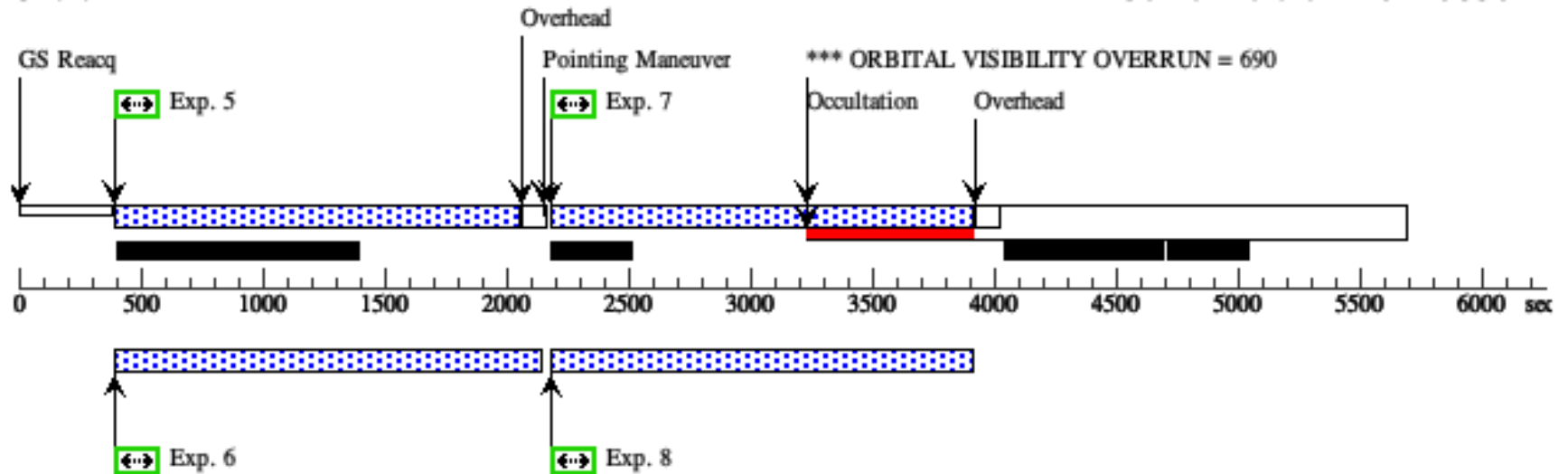
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

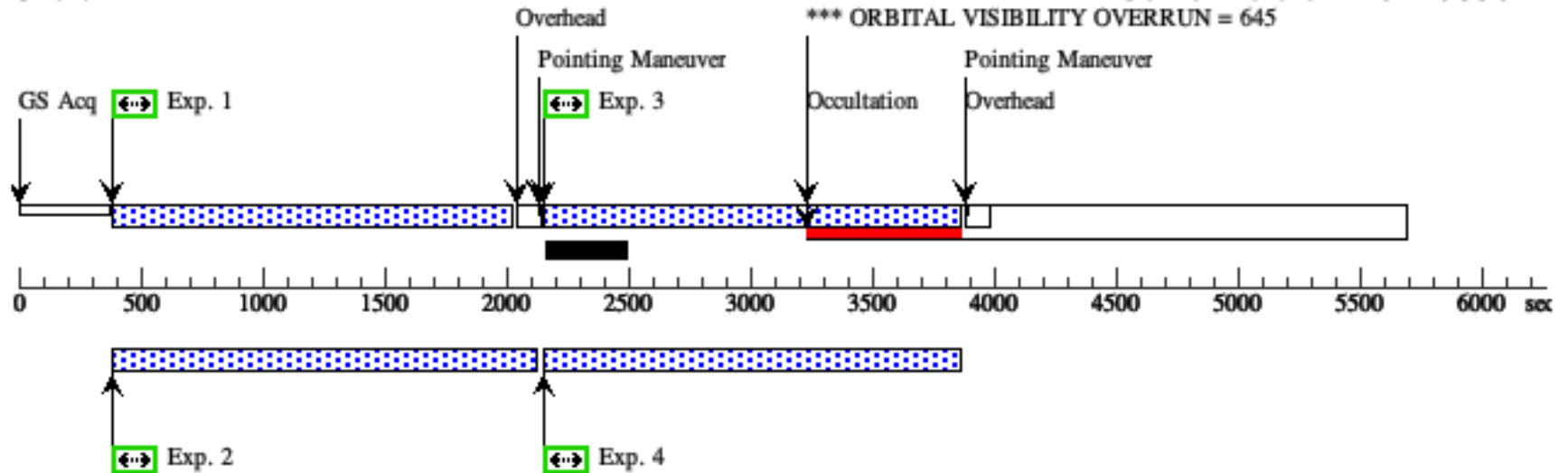


Proposal 15936 - ABELL-S1063 WFC3/UVIS F200LP Primary (44) - Flashlights: Many Extremely Magnified Individual Stars as Probes...

Visit	Proposal 15936, ABELL-S1063 WFC3/UVIS F200LP Primary (44), completed								Tue Dec 06 00:01:31 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 30%; SAME ORIENT AS 41									
Diagnostics	(ABELL-S1063 WFC3/UVIS F200LP Primary (44)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-S1063 WFC3/UVIS F200LP Primary (44)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	ABELL-S1063	RA: 22 48 44.3000 (342.1845833d) Dec: -44 31 48.40 (-44.53011d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1519 0312,1.3132015625	Prime + Parallel Gro up 1-2 in ABELL-S1 063 WFC3/UVIS F2 00LP Primary (44)	1110 Secs (1614 Secs) [==>1614.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 1-2 in ABELL-S1 063 WFC3/UVIS F2 00LP Primary (44)	1109 Secs (1530 Secs) [==>1530.0 Secs]	[1]
	3		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.17062 0312,1.30788124999 99999	Prime + Parallel Gro up 3-4 in ABELL-S1 063 WFC3/UVIS F2 00LP Primary (44)	1210 Secs (1714 Secs) [==>1714.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 3-4 in ABELL-S1 063 WFC3/UVIS F2 00LP Primary (44)	1109 Secs (1588 Secs) [==>1588.0 Secs]	[1]
	5		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01268 4375000000001,-3.5 698734375	Prime + Parallel Gro up 5-6 in ABELL-S1 063 WFC3/UVIS F2 00LP Primary (44)	1185 Secs (1661 Secs) [==>1661.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 5-6 in ABELL-S1 063 WFC3/UVIS F2 00LP Primary (44)	1164 Secs (1624 Secs) [==>1624.0 Secs]	[2]
	7		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.15375 9375,-3.3750984375	Prime + Parallel Gro up 7-8 in ABELL-S1 063 WFC3/UVIS F2 00LP Primary (44)	1259 Secs (1735 Secs) [==>1735.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 7-8 in ABELL-S1 063 WFC3/UVIS F2 00LP Primary (44)	1167 Secs (1607 Secs) [==>1607.0 Secs]	[2]

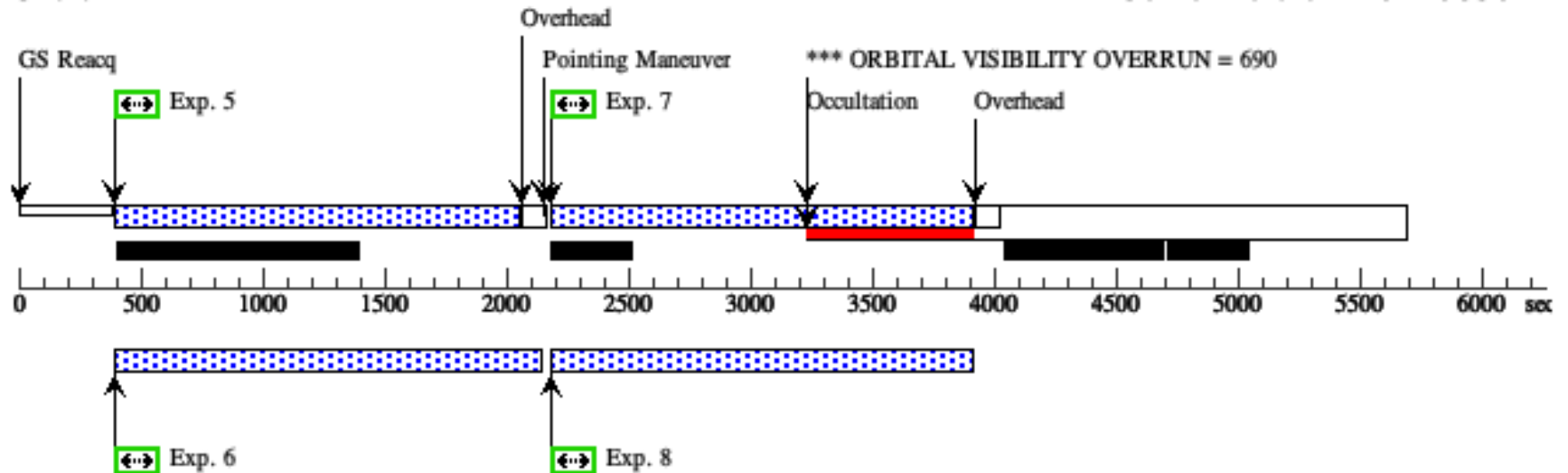
Orbit 1

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Server Version: 20220630

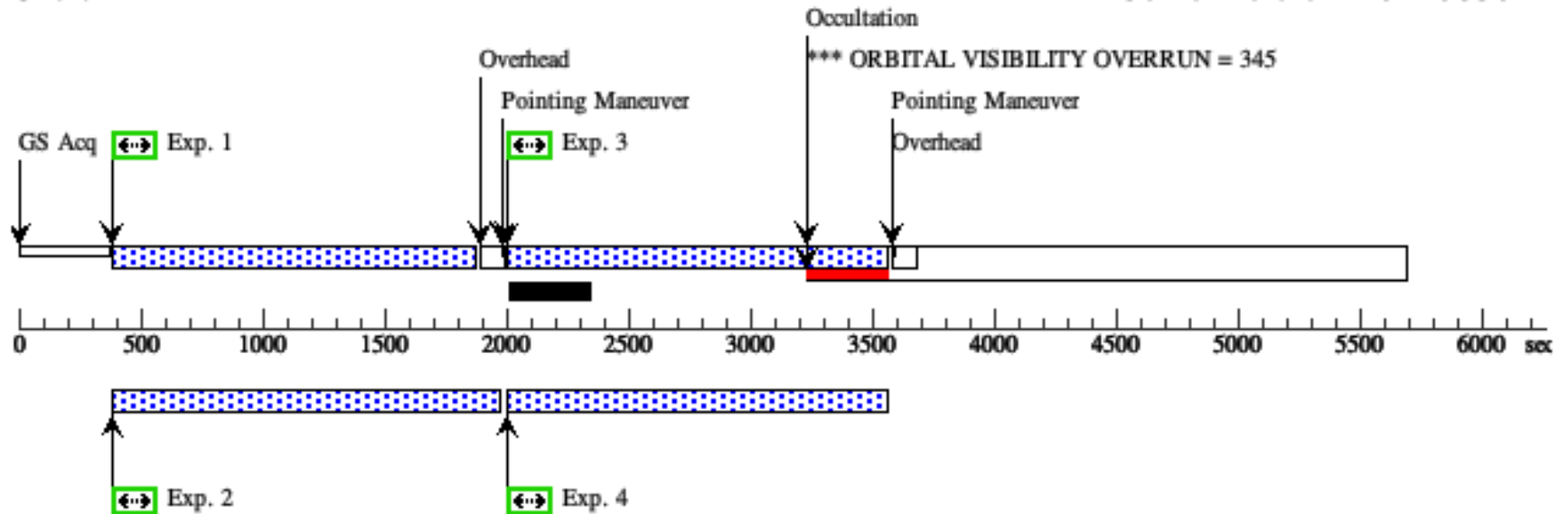


Proposal 15936 - ABELL-S1063 WFC3/UVIS F350LP Primary (45) - Flashlights: Many Extremely Magnified Individual Stars as Probes...

Visit	Proposal 15936, ABELL-S1063 WFC3/UVIS F350LP Primary (45), completed								Tue Dec 06 00:01:32 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 30%; SAME ORIENT AS 41									
Diagnostics	(ABELL-S1063 WFC3/UVIS F350LP Primary (45)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-S1063 WFC3/UVIS F350LP Primary (45)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	ABELL-S1063	RA: 22 48 44.3000 (342.1845833d) Dec: -44 31 48.40 (-44.53011d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1048 78125,1.4966265625	Prime + Parallel Gro up 1-2 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (45)	1110 Secs (1464 Secs) [==>1464.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 1-2 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (45)	1109 Secs (1380 Secs) [==>1380.0 Secs]	[1]
	3		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0966 7968750000001,1.20 078125	Prime + Parallel Gro up 3-4 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (45)	1210 Secs (1564 Secs) [==>1564.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 3-4 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (45)	1109 Secs (1438 Secs) [==>1438.0 Secs]	[1]
	5		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0323 296875,-3.52989375	Prime + Parallel Gro up 5-6 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (45)	1185 Secs (1511 Secs) [==>1511.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 5-6 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (45)	1164 Secs (1474 Secs) [==>1474.0 Secs]	[2]
	7		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06713 43750000000,-3.334 0984375000002	Prime + Parallel Gro up 7-8 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (45)	1259 Secs (1585 Secs) [==>1585.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 7-8 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (45)	1167 Secs (1457 Secs) [==>1457.0 Secs]	[2]

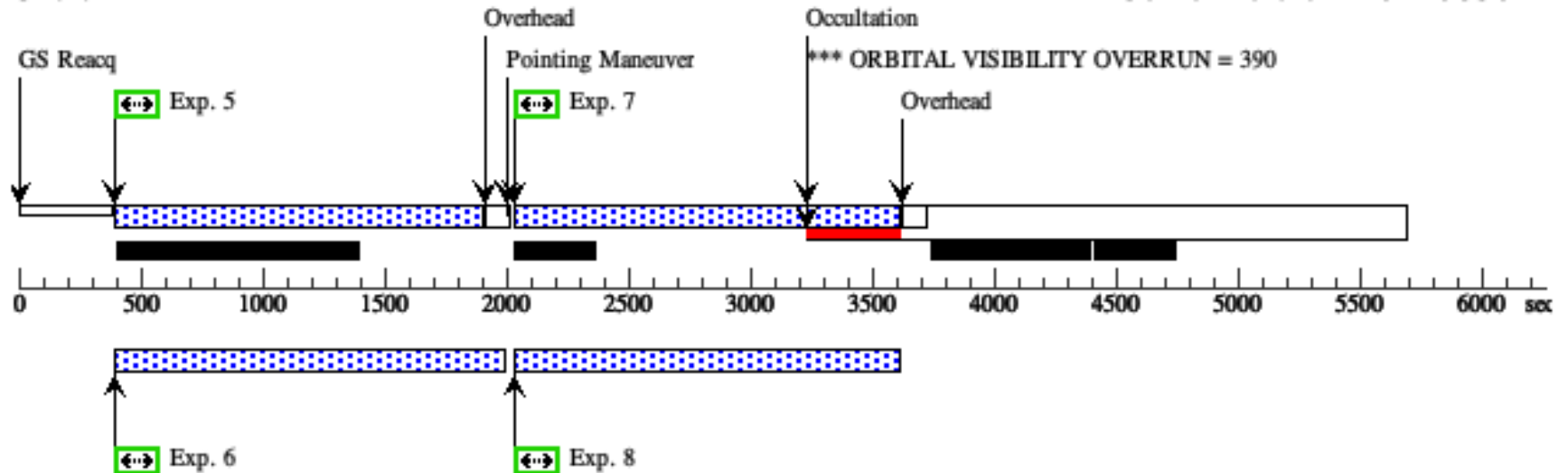
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

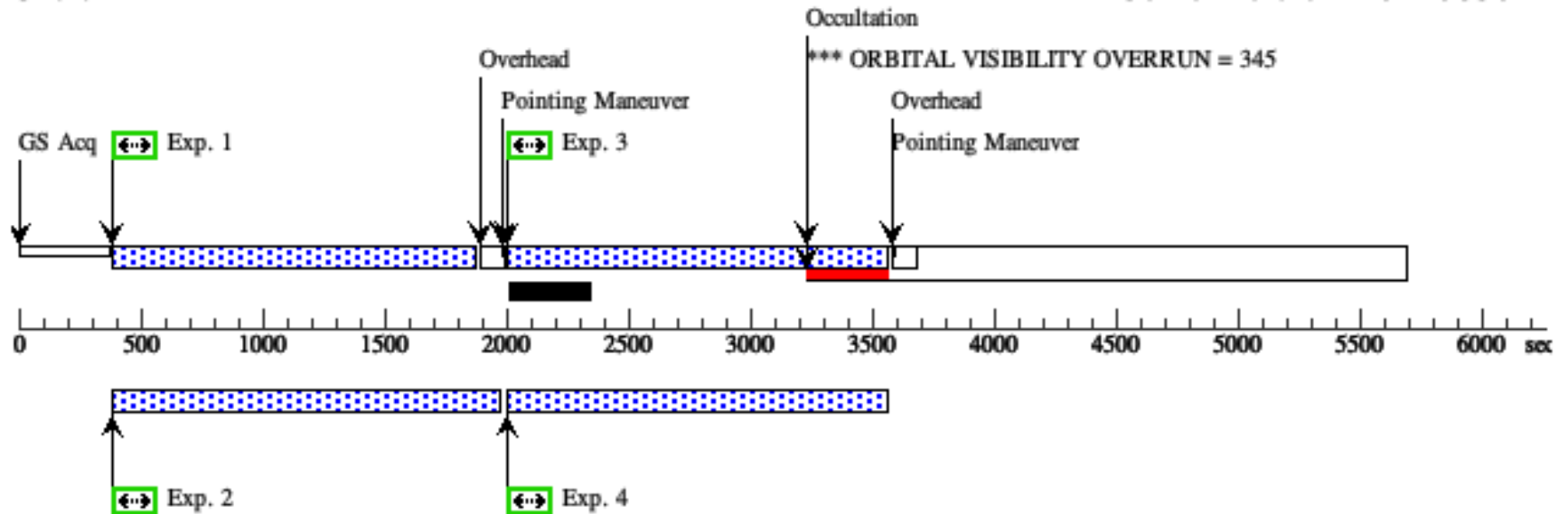


Proposal 15936 - ABELL-S1063 WFC3/UVIS F200LP Primary (46) - Flashlights: Many Extremely Magnified Individual Stars as Probes...

Visit	Proposal 15936, ABELL-S1063 WFC3/UVIS F200LP Primary (46), completed								Tue Dec 06 00:01:32 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 30%; SAME ORIENT AS 41									
Diagnostics	(ABELL-S1063 WFC3/UVIS F200LP Primary (46)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-S1063 WFC3/UVIS F200LP Primary (46)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	ABELL-S1063	RA: 22 48 44.3000 (342.1845833d) Dec: -44 31 48.40 (-44.53011d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.2867 90625,1.3595515624 999999	Prime + Parallel Group 1-2 in ABELL-S1063 WFC3/UVIS F200LP Primary (46)	1110 Secs (1464 Secs) [==>1464.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in ABELL-S1063 WFC3/UVIS F200LP Primary (46)	1109 Secs (1380 Secs) [==>1380.0 Secs]	[1]
	3		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.12668 90625,1.510409375	Prime + Parallel Group 3-4 in ABELL-S1063 WFC3/UVIS F200LP Primary (46)	1210 Secs (1564 Secs) [==>1564.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in ABELL-S1063 WFC3/UVIS F200LP Primary (46)	1109 Secs (1438 Secs) [==>1438.0 Secs]	[1]
	5		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1678 359375,-3.286703125	Prime + Parallel Group 5-6 in ABELL-S1063 WFC3/UVIS F200LP Primary (46)	1185 Secs (1511 Secs) [==>1511.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in ABELL-S1063 WFC3/UVIS F200LP Primary (46)	1164 Secs (1474 Secs) [==>1474.0 Secs]	[2]
	7		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.02134 6875,-3.5285484375	Prime + Parallel Group 7-8 in ABELL-S1063 WFC3/UVIS F200LP Primary (46)	1259 Secs (1585 Secs) [==>1585.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in ABELL-S1063 WFC3/UVIS F200LP Primary (46)	1167 Secs (1457 Secs) [==>1457.0 Secs]	[2]

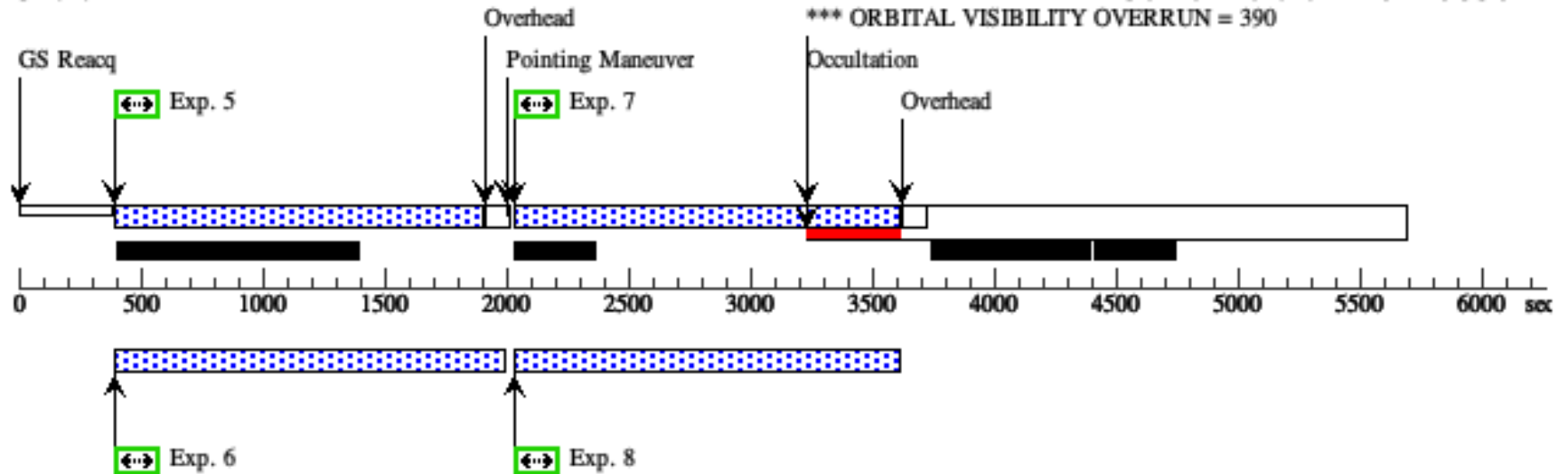
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

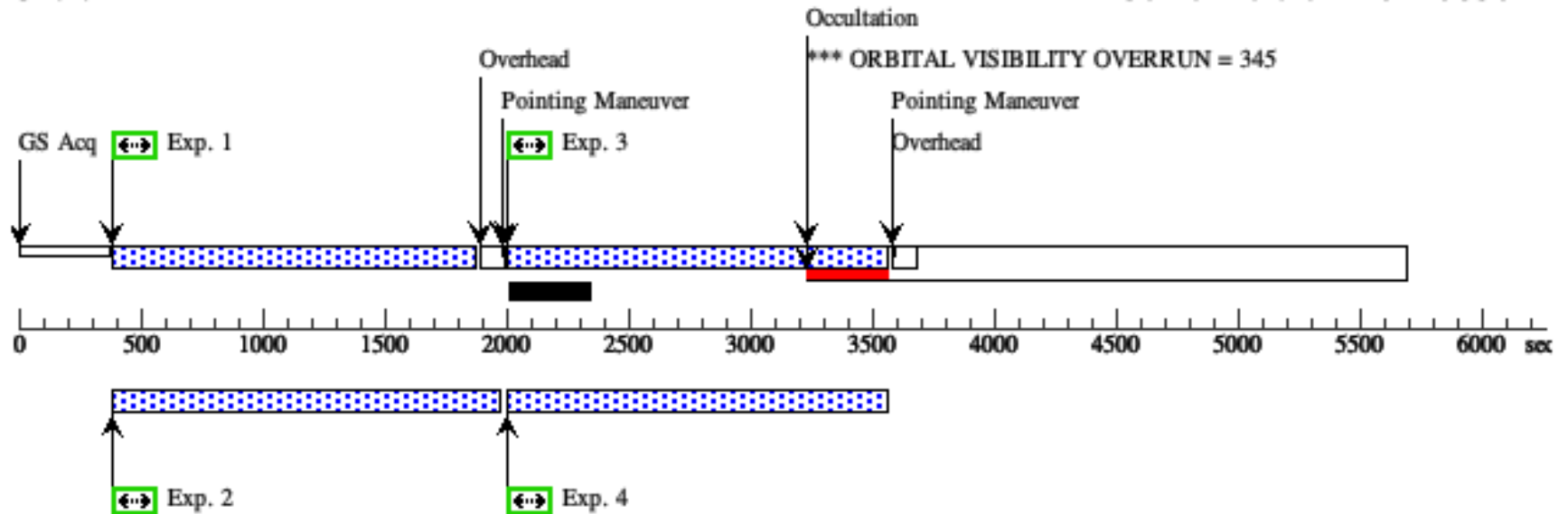


Proposal 15936 - ABELL-S1063 WFC3/UVIS F350LP Primary (47) - Flashlights: Many Extremely Magnified Individual Stars as Probes...

Visit	Proposal 15936, ABELL-S1063 WFC3/UVIS F350LP Primary (47), completed								Tue Dec 06 00:01:32 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 30%; SAME ORIENT AS 41									
Diagnostics	(ABELL-S1063 WFC3/UVIS F350LP Primary (47)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-S1063 WFC3/UVIS F350LP Primary (47)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	ABELL-S1063	RA: 22 48 44.3000 (342.1845833d) Dec: -44 31 48.40 (-44.53011d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1517 484375,1.470440625	Prime + Parallel Gro up 1-2 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (47)	1110 Secs (1464 Secs) [==>1464.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 1-2 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (47)	1109 Secs (1380 Secs) [==>1380.0 Secs]	[1]
	3		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.08213 906250000001,1.295 059375	Prime + Parallel Gro up 3-4 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (47)	1210 Secs (1564 Secs) [==>1564.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 3-4 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (47)	1109 Secs (1438 Secs) [==>1438.0 Secs]	[1]
	5		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1661 34375,-3.539479687 5	Prime + Parallel Gro up 5-6 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (47)	1185 Secs (1511 Secs) [==>1511.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 5-6 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (47)	1164 Secs (1474 Secs) [==>1474.0 Secs]	[2]
	7		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06852 65625 ,-3.390321875	Prime + Parallel Gro up 7-8 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (47)	1259 Secs (1585 Secs) [==>1585.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 7-8 in ABELL-S1 063 WFC3/UVIS F3 50LP Primary (47)	1167 Secs (1457 Secs) [==>1457.0 Secs]	[2]

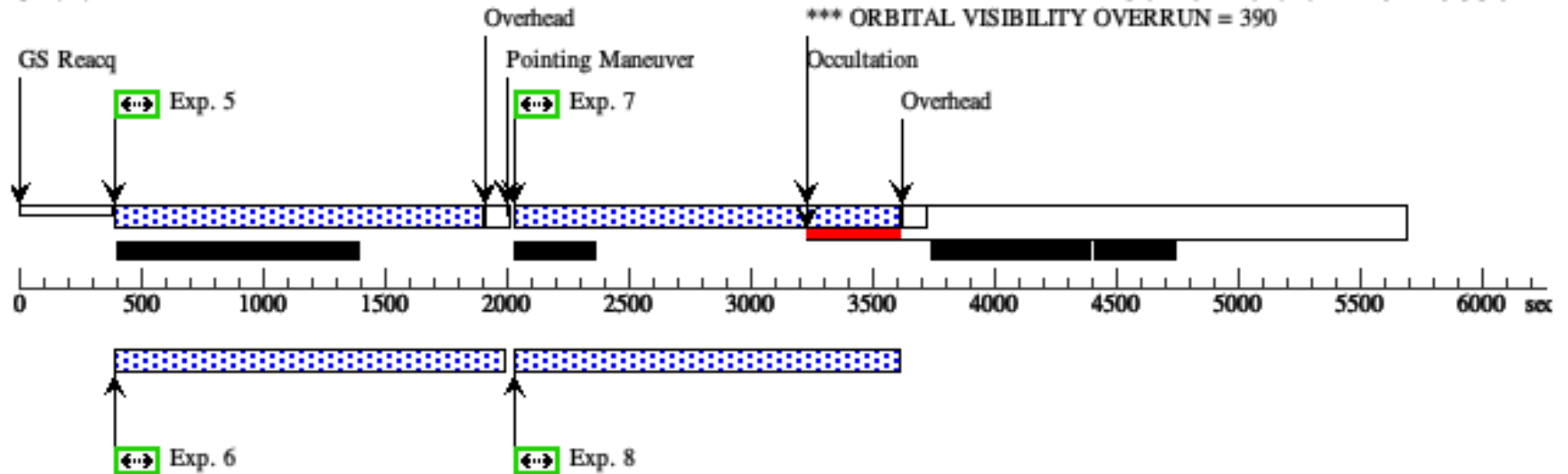
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

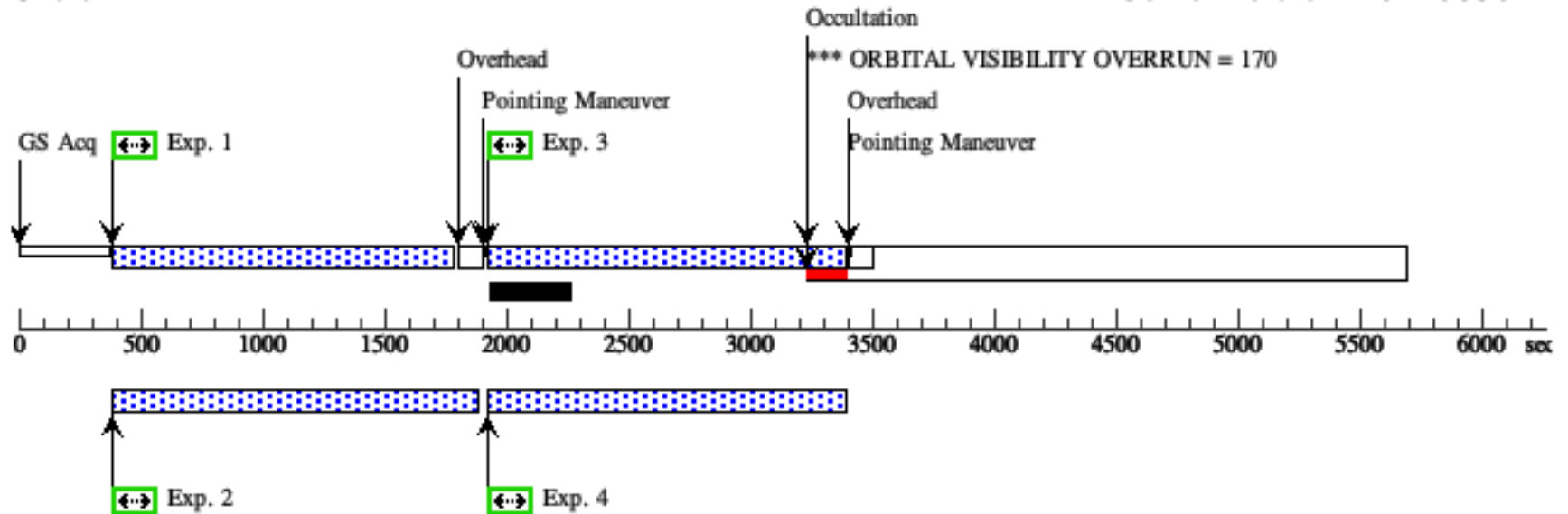


Proposal 15936 - ABELL-S1063 WFC3/UVIS F200LP Primary (48) - Flashlights: Many Extremely Magnified Individual Stars as Probes...

Visit	Proposal 15936, ABELL-S1063 WFC3/UVIS F200LP Primary (48), completed								Tue Dec 06 00:01:32 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 30%; SAME ORIENT AS 41									
Diagnostics	(ABELL-S1063 WFC3/UVIS F200LP Primary (48)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(ABELL-S1063 WFC3/UVIS F200LP Primary (48)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	ABELL-S1063	RA: 22 48 44.3000 (342.1845833d) Dec: -44 31 48.40 (-44.53011d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1067 34375,1.4613203125	Prime + Parallel Group 1-2 in ABELL-S1063 WFC3/UVIS F200LP Primary (48)	1110 Secs (1373 Secs) [==>1373.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in ABELL-S1063 WFC3/UVIS F200LP Primary (48)	1109 Secs (1299 Secs) [==>1299.0 Secs]	[1]
	3		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.08198 437500000001,1.480 9765625	Prime + Parallel Group 3-4 in ABELL-S1063 WFC3/UVIS F200LP Primary (48)	1210 Secs (1474 Secs) [==>1474.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in ABELL-S1063 WFC3/UVIS F200LP Primary (48)	1109 Secs (1348 Secs) [==>1348.0 Secs]	[1]
	5		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1220 48437500000001,-3.2 77409375	Prime + Parallel Group 5-6 in ABELL-S1063 WFC3/UVIS F200LP Primary (48)	1185 Secs (1361 Secs) [==>1361.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in ABELL-S1063 WFC3/UVIS F200LP Primary (48)	1164 Secs (1324 Secs) [==>1324.0 Secs]	[2]
	7		(9) ABELL-S1063	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.11292 1875,-3.5642734375	Prime + Parallel Group 7-8 in ABELL-S1063 WFC3/UVIS F200LP Primary (48)	1259 Secs (1435 Secs) [==>1435.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in ABELL-S1063 WFC3/UVIS F200LP Primary (48)	1167 Secs (1307 Secs) [==>1307.0 Secs]	[2]

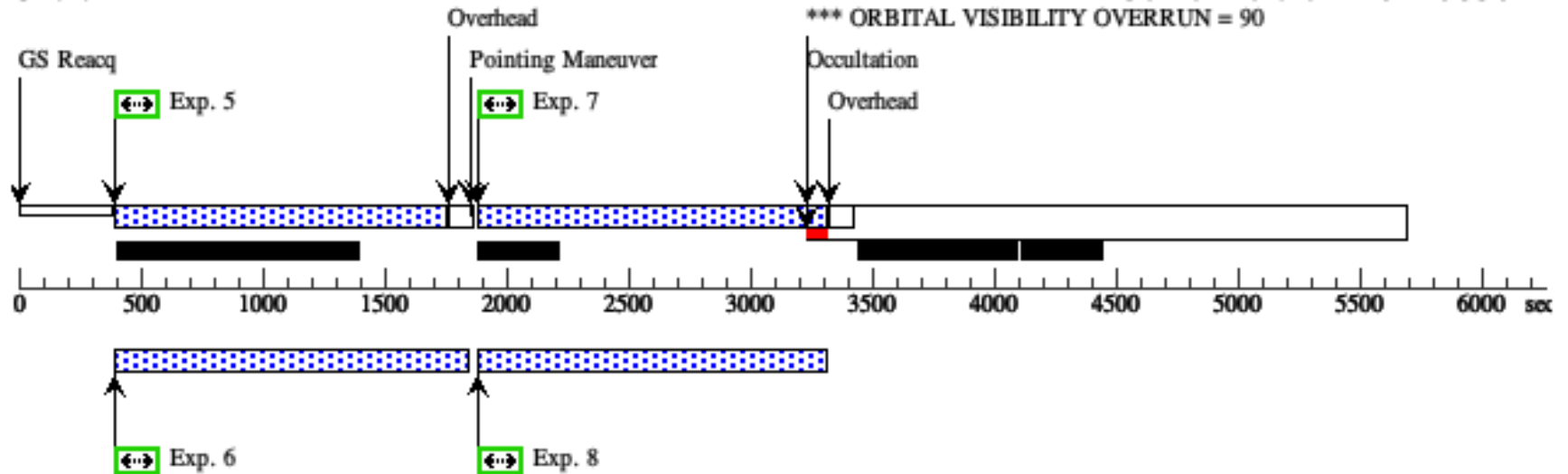
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

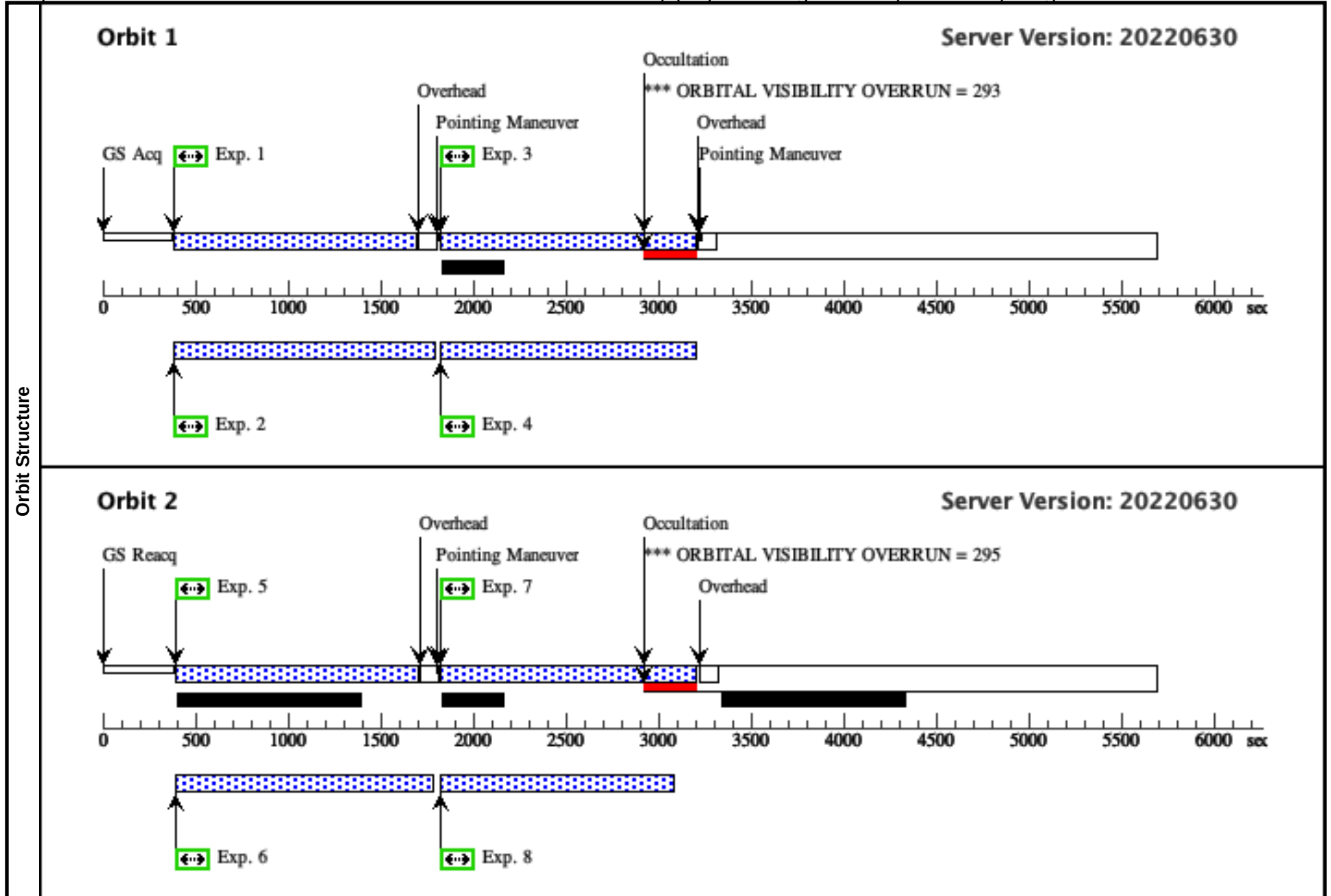


Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01), completed					Tue Dec 06 00:01:32 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: SCHED 100%; SEQ 01,02,03,04,05,06,07,08 WITHIN 40 H					
Comments: preferred orient as close as possible to 67 or 247 to match Hubble Frontier Field observations						
Diagnostics	(MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d)		V=27	Reference Frame: ICRS
			Dec: -24 04 28.70 (-24.07464d)			
			Equinox: J2000			
Comments:						
Category=CLUSTER OF GALAXIES						
Description=[GRAVITATIONAL LENS]						

Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2410 03125,1.2380015625	Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)	1110 Secs (1282 Secs) [==>1282.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)	1109 Secs (1200 Secs) [==>1200 Secs]	[1]
	3		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.12792 6562,1.29447812	Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)	1210 Secs (1382 Secs) [==>1382.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)	1109 Secs (1259 Secs) [==>1259.0 Secs]	[1]
	5		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2113 03125,-3.332098	Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)	1185 Secs (1309 Secs) [==>1309.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)	1164 Secs (1270 Secs) [==>1270.0 Secs]	[2]
	7		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.24533 437500000002,-3.49 96984375	Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)	1259 Secs (1383 Secs) [==>1383.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (01)	1167 Secs (1140 Secs) [==>1140.0 Secs]	[2]

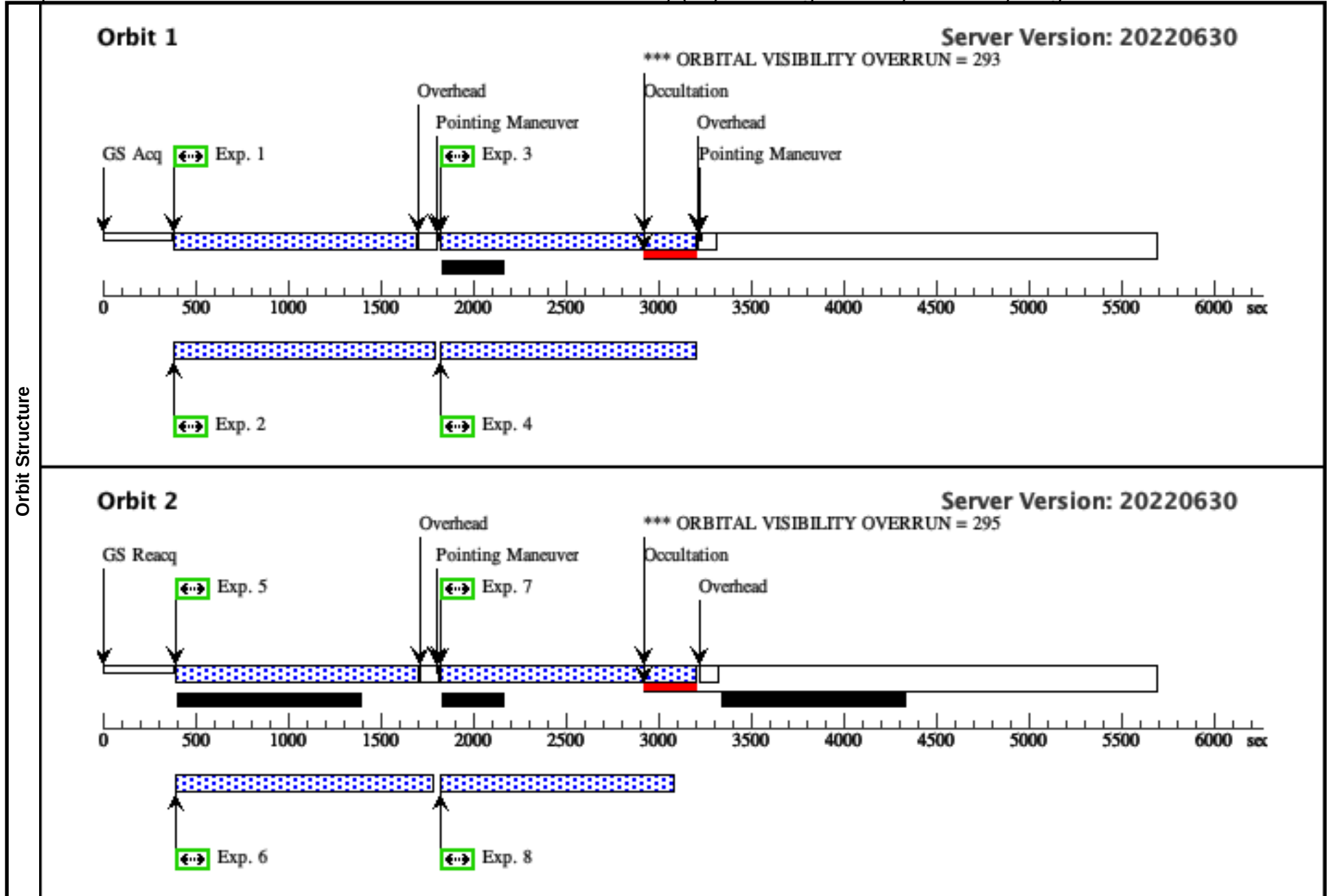


Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02), completed Tue Dec 06 00:01:32 GMT 2022				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 01				
Diagnostics	(MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000		V=27
Fixed Targets	Miscellaneous Reference Frame: ICRS				
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]				

Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1047 234375,1.293428125	Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)	1110 Secs (1282 Secs) [==>1282.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)	1109 Secs (1200 Secs) [==>1200 Secs]	[1]
	3		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0504 28125000000004,1.2584015625	Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)	1210 Secs (1382 Secs) [==>1382.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)	1109 Secs (1259 Secs) [==>1259 Secs]	[1]
	5		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01283 9062500000002,-3.380540625	Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)	1185 Secs (1309 Secs) [==>1309.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)	1164 Secs (1270 Secs) [==>1270 Secs]	[2]
	7		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.28880 15625,-3.372834375	Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)	1259 Secs (1383 Secs) [==>1383.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (02)	1167 Secs (1140 Secs) [==>1140 Secs]	[2]

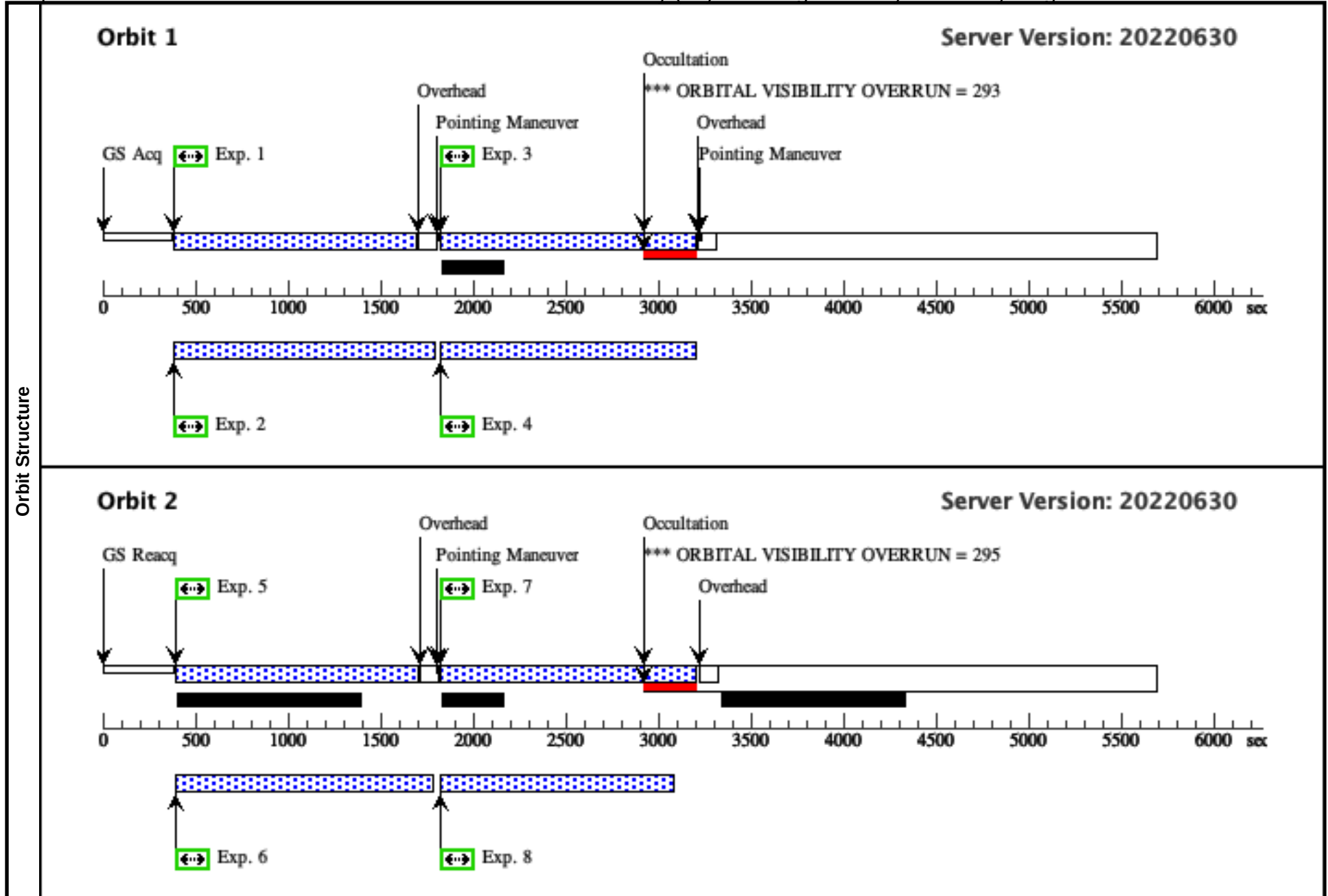


Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03), completed Tue Dec 06 00:01:32 GMT 2022				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 01				
Diagnostics	(MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000		V=27
Fixed Targets	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]				
	Reference Frame: ICRS				

Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2397 65625,1.2763515625	Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)	1110 Secs (1282 Secs) [==>1282.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)	1109 Secs (1200 Secs) [==>1200 Secs]	[1]
	3		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.03867 1875,1.5113515625	Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)	1210 Secs (1382 Secs) [==>1382 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)	1109 Secs (1259 Secs) [==>1259 Secs]	[1]
	5		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0298 54687, -3.310006250 0000003	Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)	1185 Secs (1309 Secs) [==>1309 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)	1164 Secs (1270 Secs) [==>1270 Secs]	[2]
	7		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.02196 5625000000003,-3.3 390296874999996	Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)	1259 Secs (1383 Secs) [==>1383 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (03)	1167 Secs (1140 Secs) [==>1140 Secs]	[2]



Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04) - Flashlights: Many Extremely Magnified Individual Stars as ...

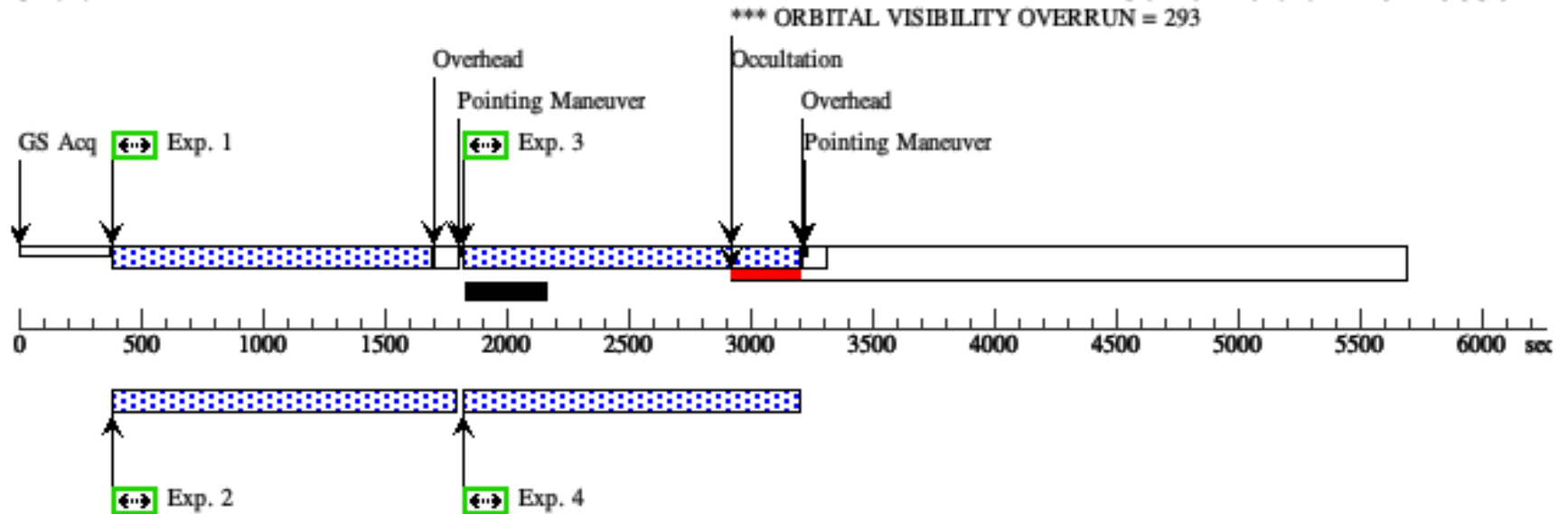
Visit	Proposal 15936, MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04), completed					Tue Dec 06 00:01:32 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: SCHED 100%; SAME ORIENT AS 01					
Diagnostics	(MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d)		V=27	Reference Frame: ICRS
			Dec: -24 04 28.70 (-24.07464d)			
			Equinox: J2000			
	Comments:					
	Category=CLUSTER OF GALAXIES					
	Description=[GRAVITATIONAL LENS]					

Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1519 0312,1.3132015625	Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)	1110 Secs (1282 Secs) [==>1282 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)	1109 Secs (1200 Secs) [==>1200 Secs]	[1]
	3		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.17062 0312,1.30788124999 99999	Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)	1210 Secs (1382 Secs) [==>1382 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)	1109 Secs (1259 Secs) [==>1259 Secs]	[1]
	5		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01268 4375000000001,-3.5 698734375	Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)	1185 Secs (1283 Secs) [==>1283.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)	1164 Secs (1140 Secs) [==>1140.0 Secs]	[2]
	7		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.15375 9375,-3.3750984375	Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)	1259 Secs (1345 Secs) [==>1345.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (04)	1167 Secs (1210 Secs) [==>1210.0 Secs]	[2]

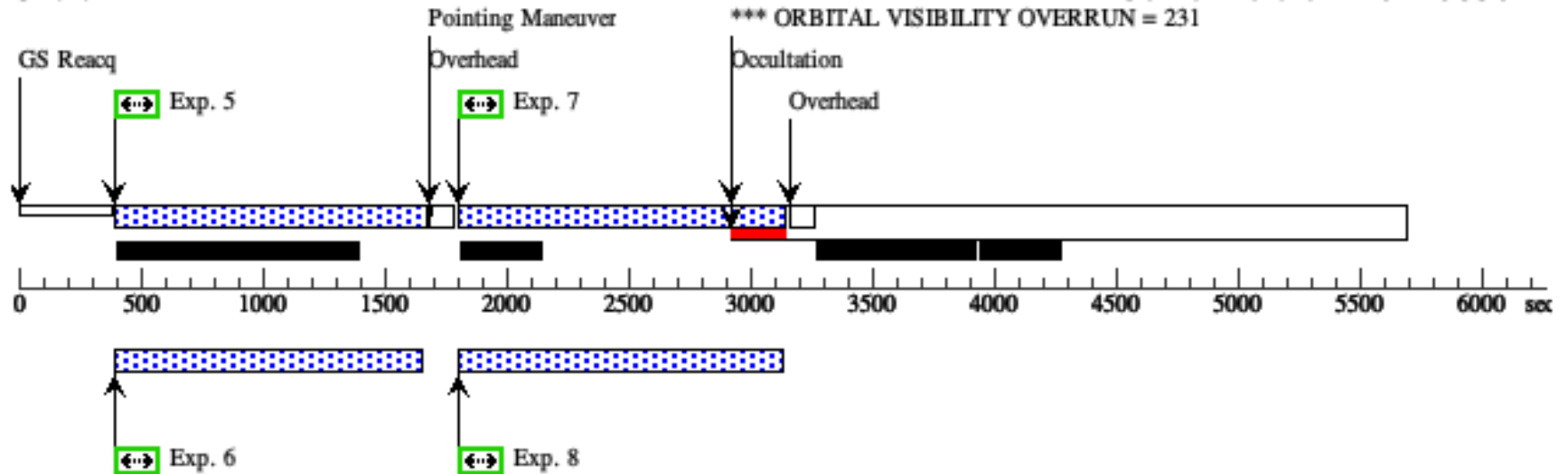
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

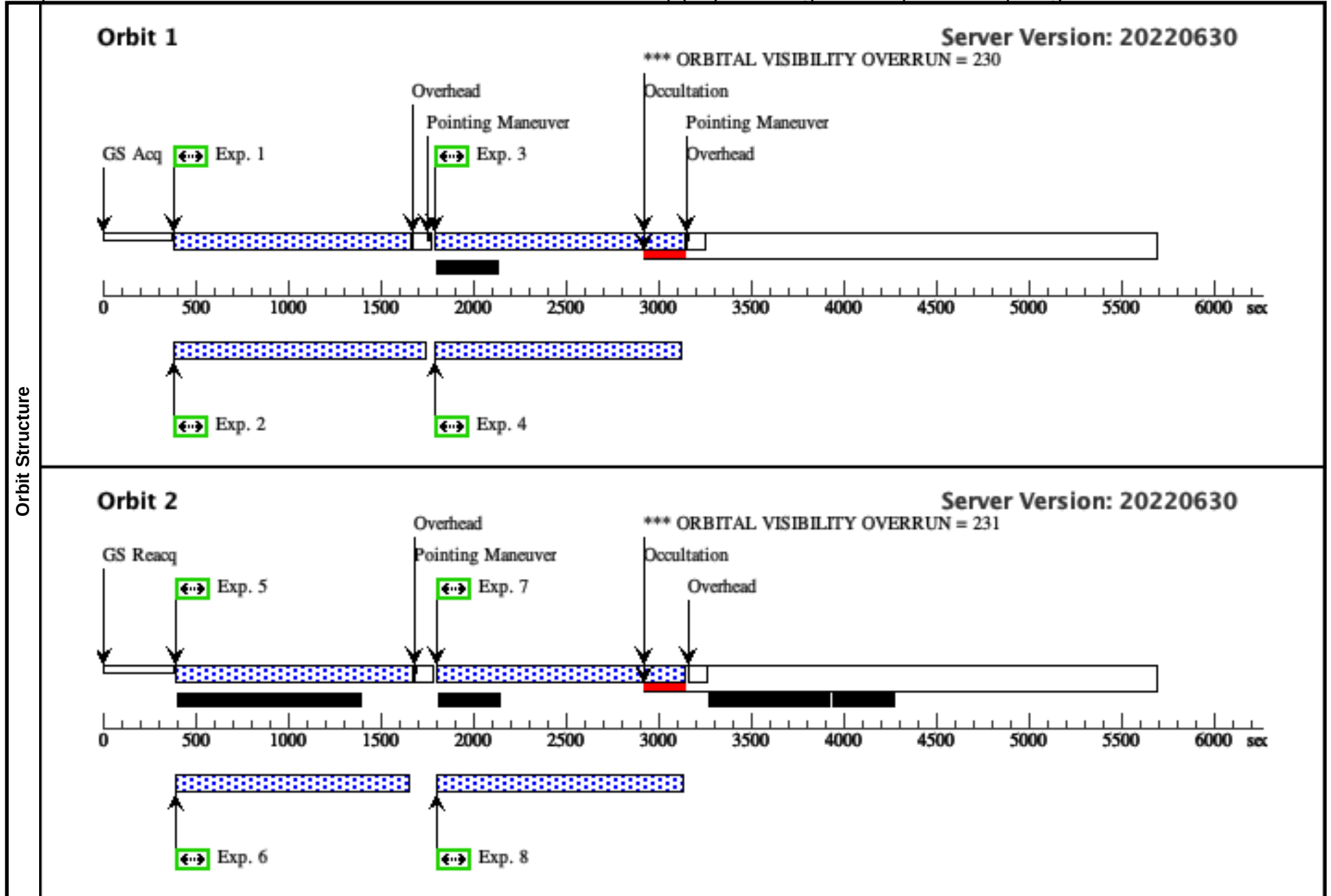


Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05), completed					Tue Dec 06 00:01:32 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: SCHED 100%; SAME ORIENT AS 01					
Diagnostics	(MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000		V=27	Reference Frame: ICRS
	Comments:					
	Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]					

Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1048 78125,1.4966265625	Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)	1110 Secs (1252 Secs) [==>1252.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)	1109 Secs (1150 Secs) [==>1150.0 Secs]	[1]
	3		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0966 7968750000001,1.20078125	Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)	1210 Secs (1352 Secs) [==>1352.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)	1109 Secs (1209 Secs) [==>1209.0 Secs]	[1]
	5		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0323 296875,-3.52989375	Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)	1185 Secs (1283 Secs) [==>1283.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)	1164 Secs (1140 Secs) [==>1140 Secs]	[2]
	7		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06713 43750000000,-3.3340984375000002	Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)	1259 Secs (1345 Secs) [==>1345.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (05)	1167 Secs (1210 Secs) [==>1210 Secs]	[2]



Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06) - Flashlights: Many Extremely Magnified Individual Stars as ...

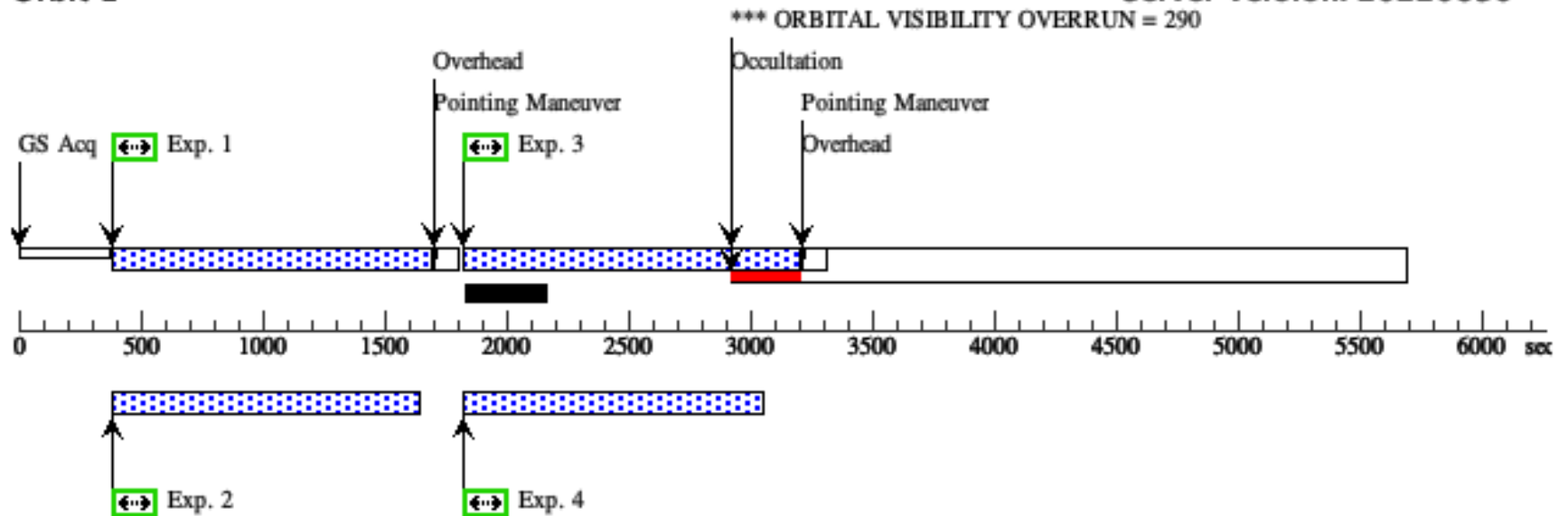
Visit	Proposal 15936, MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06), completed Tue Dec 06 00:01:32 GMT 2022				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 01				
Diagnostics	(MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000		V=27
Fixed Targets	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]				
	Reference Frame: ICRS				

Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.2867 90625,1.3595515624 999999	Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)	1110 Secs (1282 Secs) [==>1282.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.12668 90625,1.510409375	Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)	1210 Secs (1382 Secs) [==>1382.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1678 359375,-3.286703125	Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)	1185 Secs (1219 Secs) [==>1219.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)	1164 Secs (1164 Secs) [==>]	[2]
	7		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.02134 6875,-3.5285484375	Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)	1259 Secs (1293 Secs) [==>1293.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (06)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

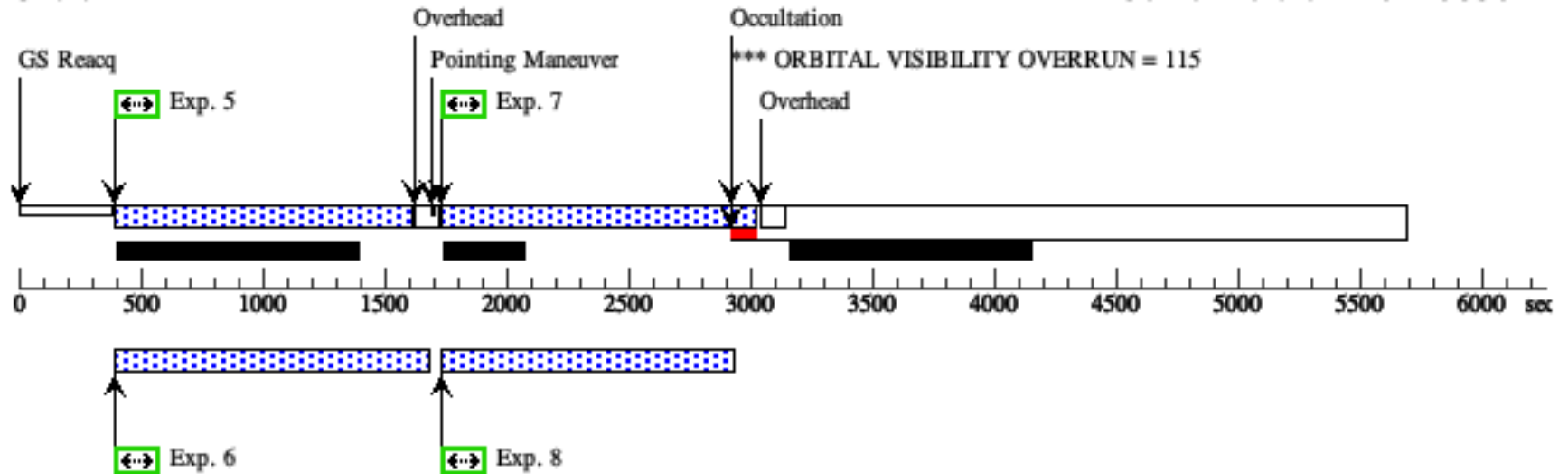
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

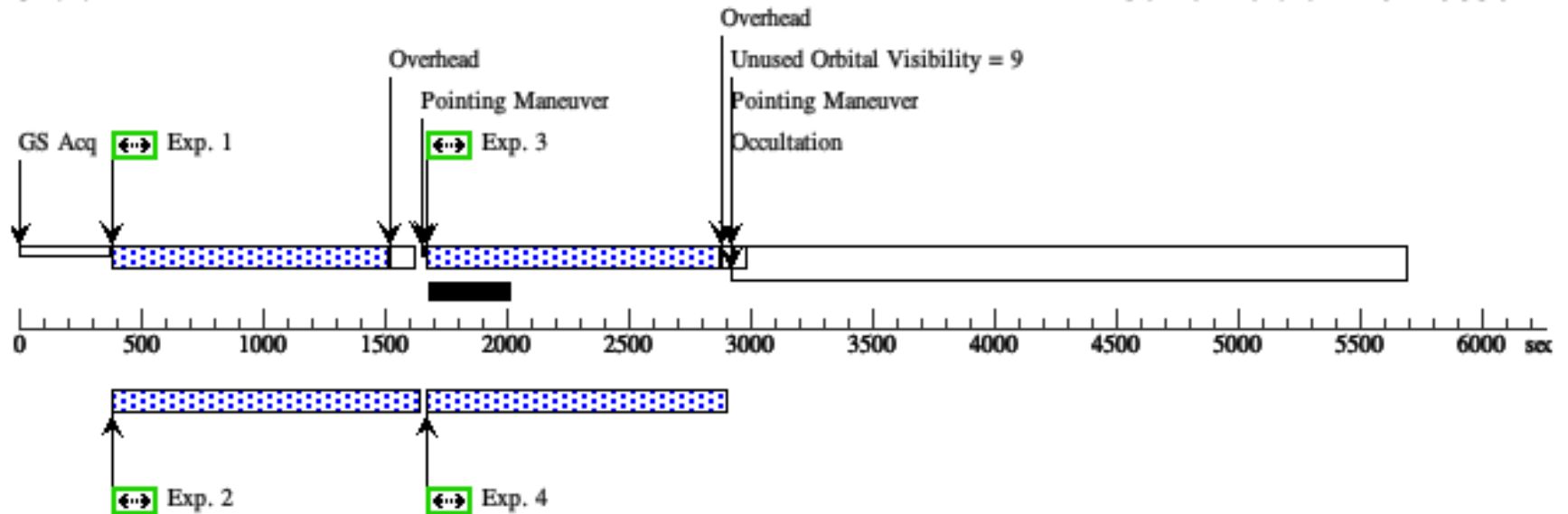


Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07), completed								Tue Dec 06 00:01:32 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 01									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000			V=27		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1517 484375,1.470440625	Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07)	1110 Secs (1102 Secs) [==>1102.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.08213 906250000001,1.295 059375	Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07)	1210 Secs (1202 Secs) [==>1202.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1661 34375,-3.539479687 5	Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07)	1185 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07)	1164 Secs (1164 Secs) [==>]	[2]
	7		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06852 65625,-3.390321875	Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07)	1259 Secs (1203 Secs) [==>1203.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F350LP Primary (07)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

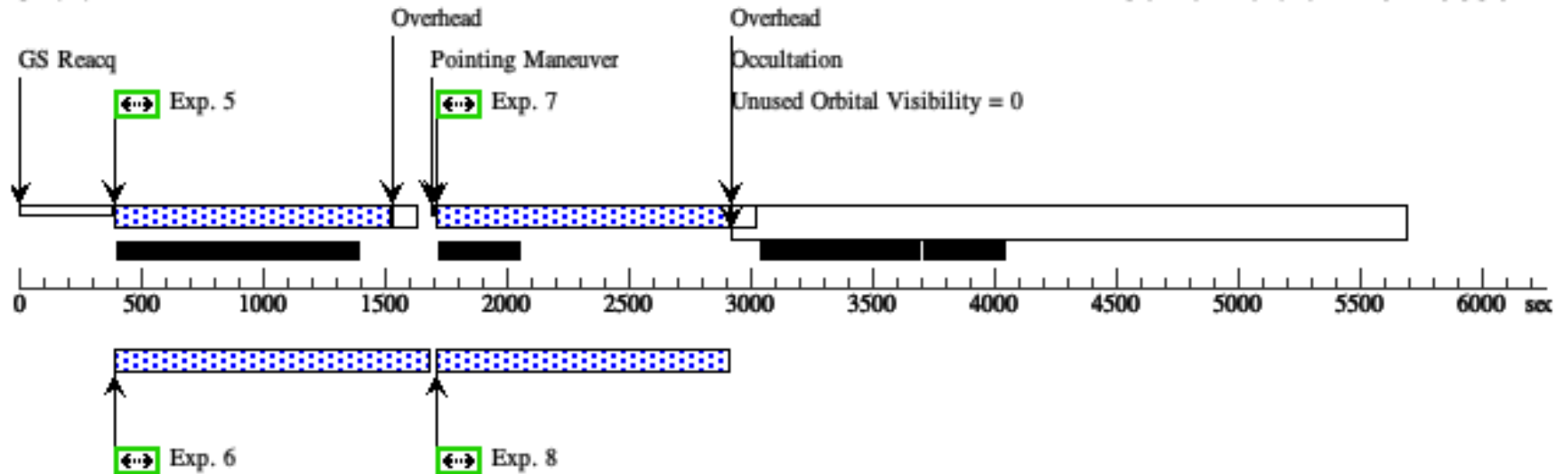
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

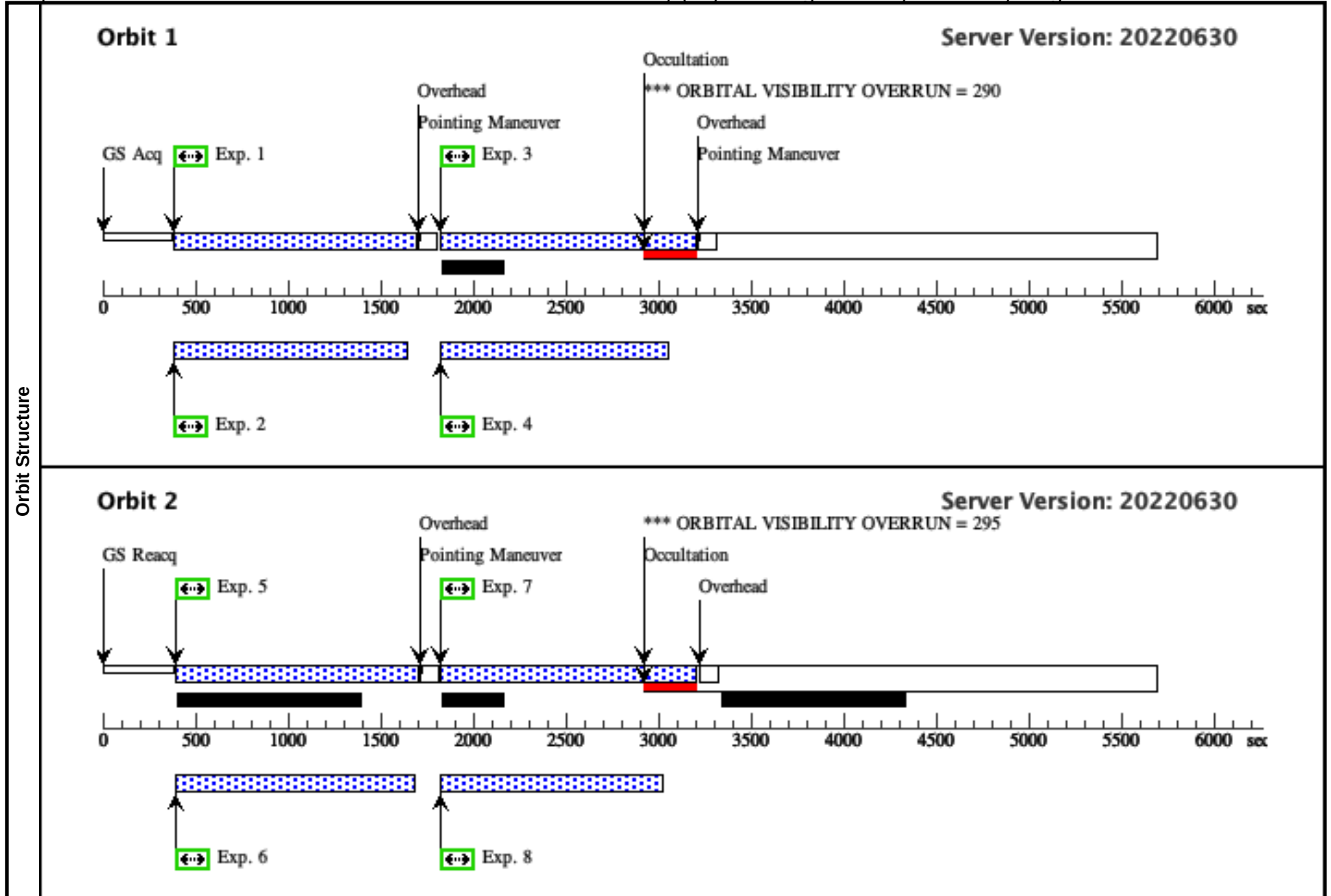


Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08), completed Tue Dec 06 00:01:32 GMT 2022				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 01				
	(MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Diagnostics					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	MACSJ0416.1-2403	RA: 04 16 8.9000 (64.0370833d) Dec: -24 04 28.70 (-24.07464d) Equinox: J2000		V=27
	Miscellaneous Reference Frame: ICRS				
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]				

Proposal 15936 - MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1067 34375,1.4613203125	Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)	1110 Secs (1282 Secs) [==>1282 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.08198 437500000001,1.480 9765625	Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)	1210 Secs (1382 Secs) [==>1382 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1220 4843750000001,-3.2 77409375	Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)	1185 Secs (1309 Secs) [==>1309 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)	1164 Secs (1164 Secs) [==>]	[2]
	7		(5) MACSJ0416.1-2403	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.11292 1875,-3.5642734375	Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)	1259 Secs (1383 Secs) [==>1383 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ0416.1-2403 WFC3/UVIS F200LP Primary (08)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

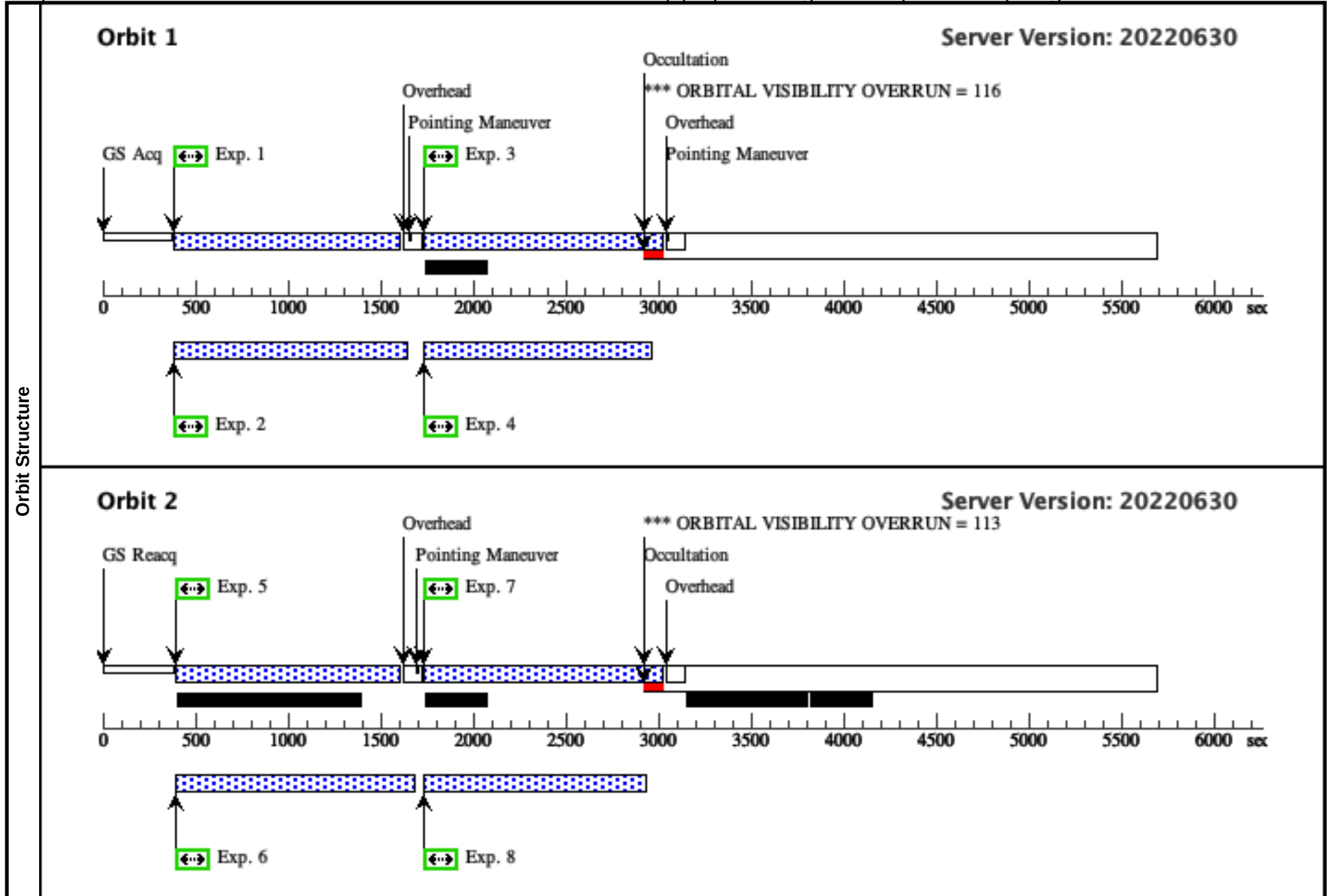


Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17), completed					Tue Dec 06 00:01:32 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: SCHED 100%; SEQ 17,18,19,20,21,22,23,24 WITHIN 40 H					
Comments: preferred orient as close as possible to 100 or 280 to match Hubble Frontier Fields						
Diagnostics	(MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	MACSJ0717.5+3745	RA: 07 17 34.0000 (109.3916667d)		V=27	Reference Frame: ICRS
			Dec: +37 44 49.00 (37.74694d)			
			Equinox: J2000			
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]					

Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2410 03125,1.2380015625	Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)	1110 Secs (1194 Secs) [==>1194.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.12792 6562,1.29447812	Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)	1210 Secs (1294 Secs) [==>1294.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2113 03125,-3.332098	Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)	1185 Secs (1217 Secs) [==>1217.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)	1164 Secs (1164 Secs) [==>]	[2]
	7		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.24533 437500000002,-3.49 96984375	Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)	1259 Secs (1291 Secs) [==>1291.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (17)	1167 Secs (1075 Secs) [==>1075.0 Secs]	[2]



Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18) - Flashlights: Many Extremely Magnified Individual Stars as...

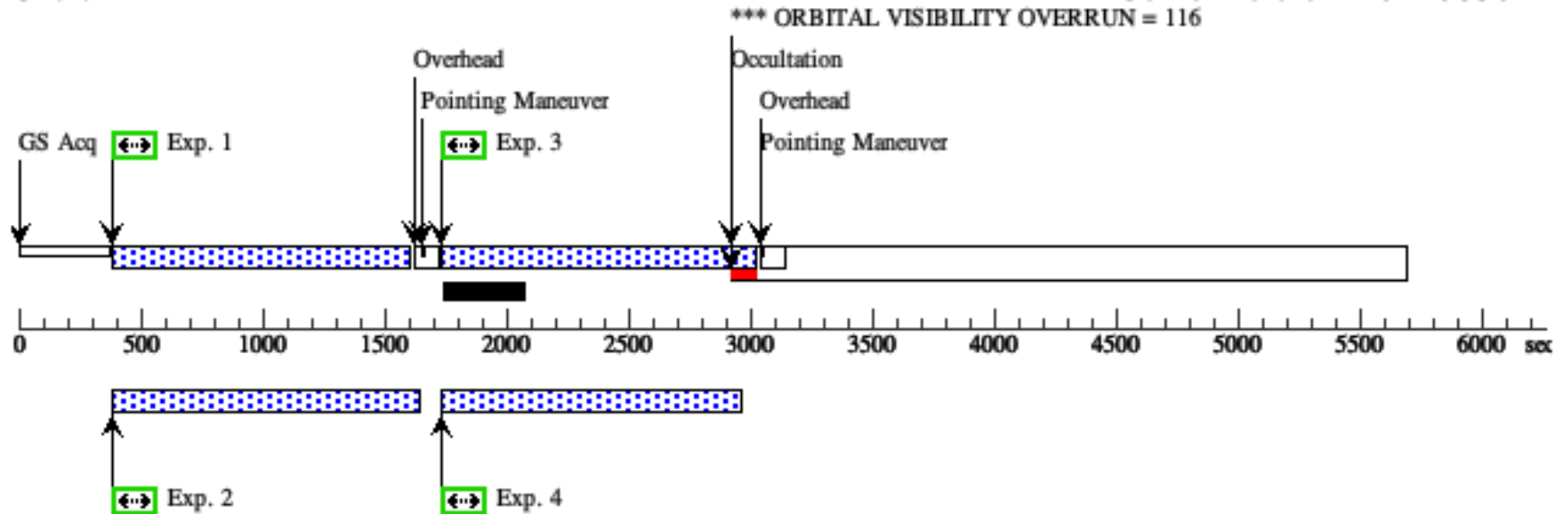
Visit	Proposal 15936, MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18), completed					Tue Dec 06 00:01:32 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: SCHED 100%; SAME ORIENT AS 17					
Diagnostics	(MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	MACSJ0717.5+3745	RA: 07 17 34.0000 (109.3916667d)		V=27	Reference Frame: ICRS
			Dec: +37 44 49.00 (37.74694d)			
			Equinox: J2000			
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]					

Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18) - Flashlights: Many Extremely Magnified Individual Stars as...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1047 234375,1.293428125	Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)	1110 Secs (1194 Secs) [==>1194.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0504 28125000000004,1.2584015625	Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)	1210 Secs (1294 Secs) [==>1294.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01283 9062500000002,-3.380540625	Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)	1185 Secs (1217 Secs) [==>1217.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)	1164 Secs (1164 Secs) [==>]	[2]
	7		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.28880 15625,-3.372834375	Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)	1259 Secs (1291 Secs) [==>1291.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (18)	1167 Secs (1075 Secs) [==>1075.0 Secs]	[2]

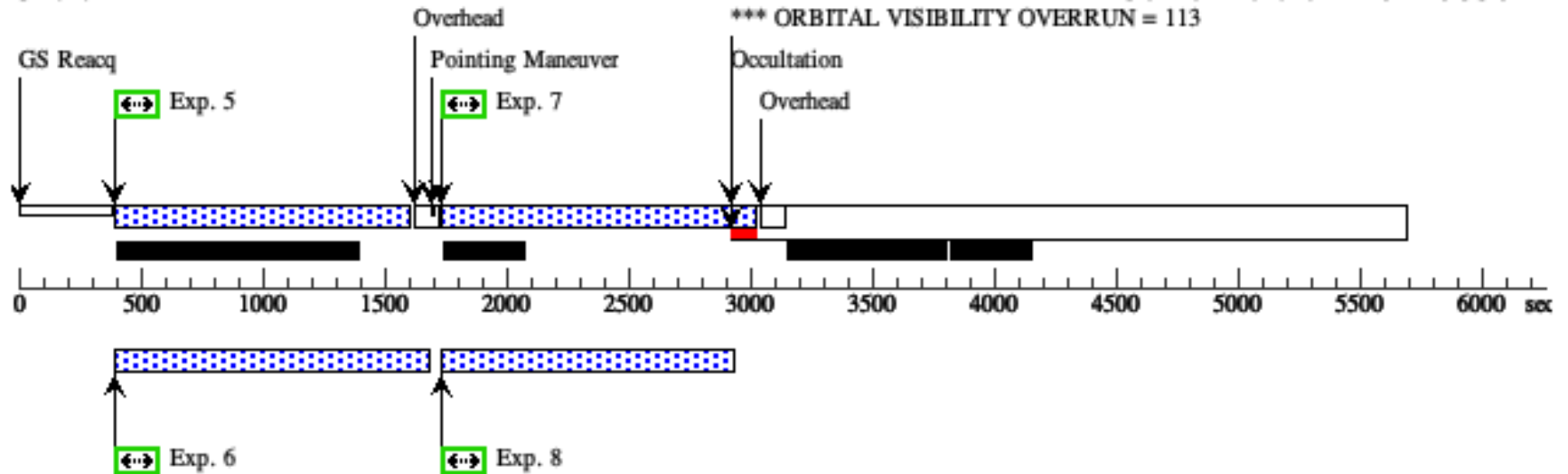
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630



Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19) - Flashlights: Many Extremely Magnified Individual Stars as ...

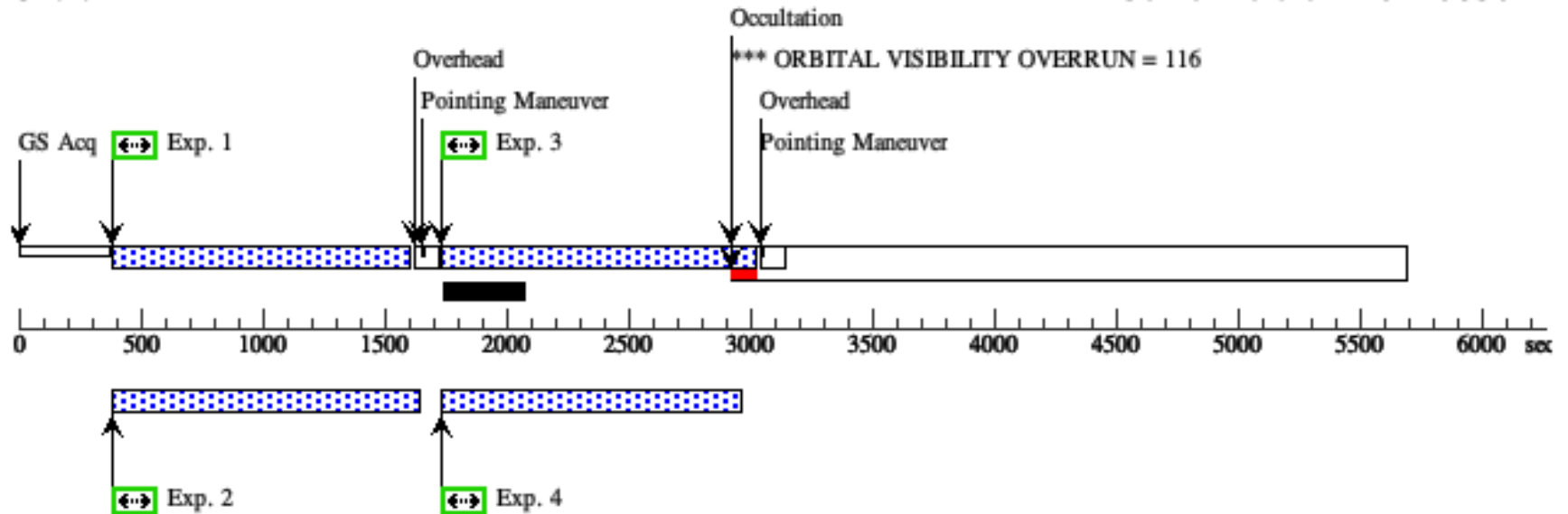
Visit	Proposal 15936, MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19), completed					Tue Dec 06 00:01:33 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: SCHED 100%; SAME ORIENT AS 17					
Diagnostics	(MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	MACSJ0717.5+3745	RA: 07 17 34.0000 (109.3916667d)		V=27	Reference Frame: ICRS
			Dec: +37 44 49.00 (37.74694d)			
			Equinox: J2000			
	Comments:					
	Category=CLUSTER OF GALAXIES					
	Description=[GRAVITATIONAL LENS]					

Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19) - Flashlights: Many Extremely Magnified Individual Stars as ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2397 65625,1.2763515625	Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)	1110 Secs (1194 Secs) [==>1194.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.03867 1875,1.5113515625	Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)	1210 Secs (1294 Secs) [==>1294.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0298 54687, -3.310006250 0000003	Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)	1185 Secs (1217 Secs) [==>1217.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)	1164 Secs (1164 Secs) [==>]	[2]
	7		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.02196 5625000000003,-3.3 390296874999996	Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)	1259 Secs (1291 Secs) [==>1291.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (19)	1167 Secs (1075 Secs) [==>1075.0 Secs]	[2]

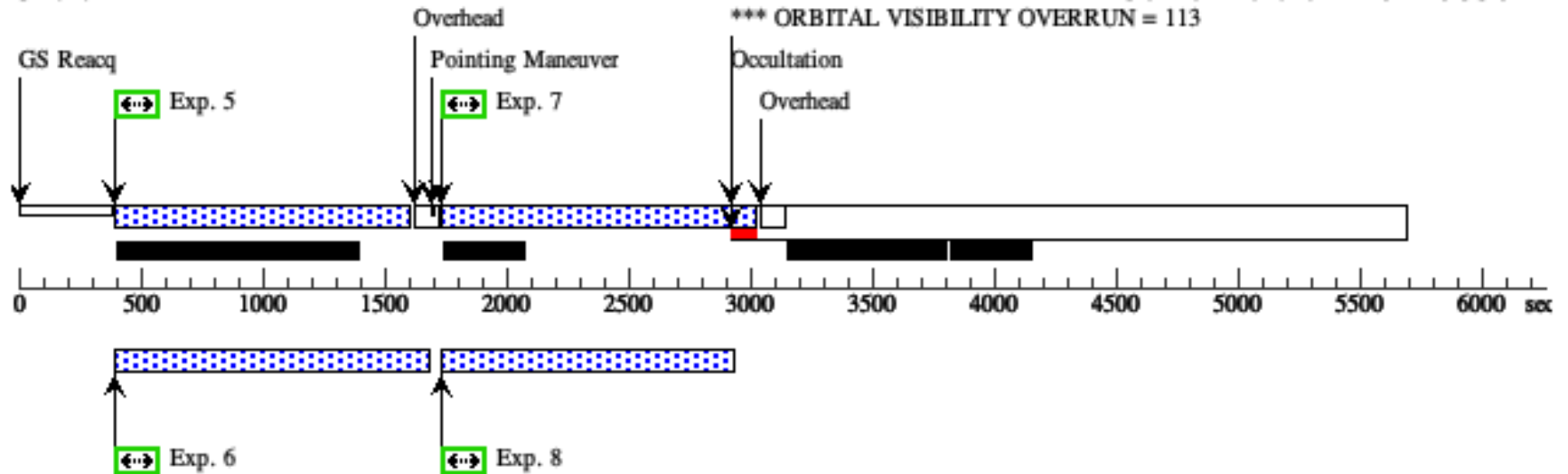
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

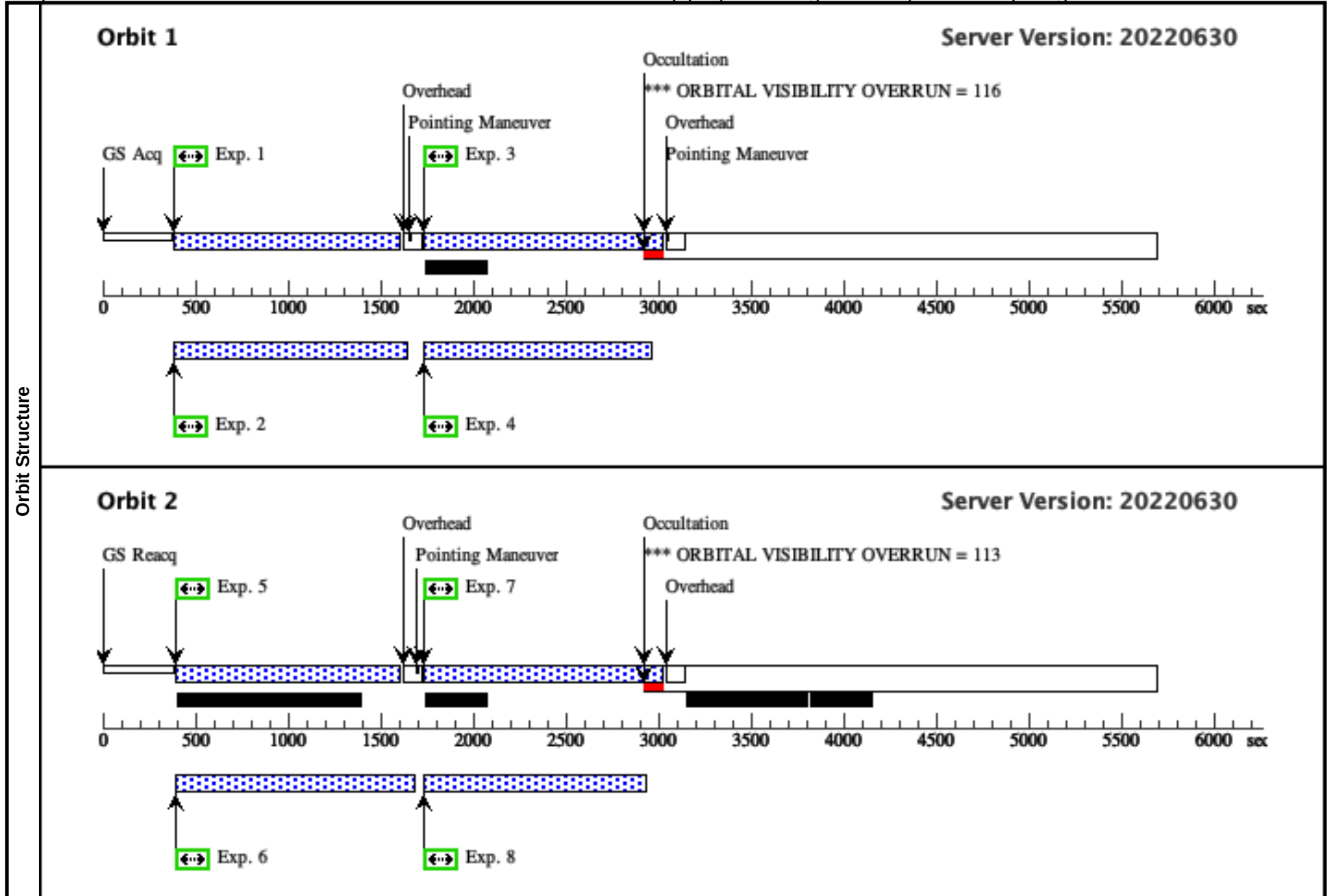


Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20) - Flashlights: Many Extremely Magnified Individual Stars as...

Visit	Proposal 15936, MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20), completed					Tue Dec 06 00:01:33 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: SCHED 100%; SAME ORIENT AS 18					
Diagnostics	(MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	MACSJ0717.5+3745	RA: 07 17 34.0000 (109.3916667d)		V=27	Reference Frame: ICRS
			Dec: +37 44 49.00 (37.74694d)			
			Equinox: J2000			
	Comments:					
	Category=CLUSTER OF GALAXIES					
	Description=[GRAVITATIONAL LENS]					

Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20) - Flashlights: Many Extremely Magnified Individual Stars as...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1519 0312,1.3132015625	Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)	1110 Secs (1194 Secs) [==>1194.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.17062 0312,1.30788124999 99999	Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)	1210 Secs (1294 Secs) [==>1294.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01268 4375000000001,-3.5 698734375	Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)	1185 Secs (1217 Secs) [==>1217.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)	1164 Secs (1164 Secs) [==>]	[2]
	7		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.15375 9375,-3.3750984375	Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)	1259 Secs (1291 Secs) [==>1291.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (20)	1167 Secs (1075 Secs) [==>1075.0 Secs]	[2]



Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21) - Flashlights: Many Extremely Magnified Individual Stars as...

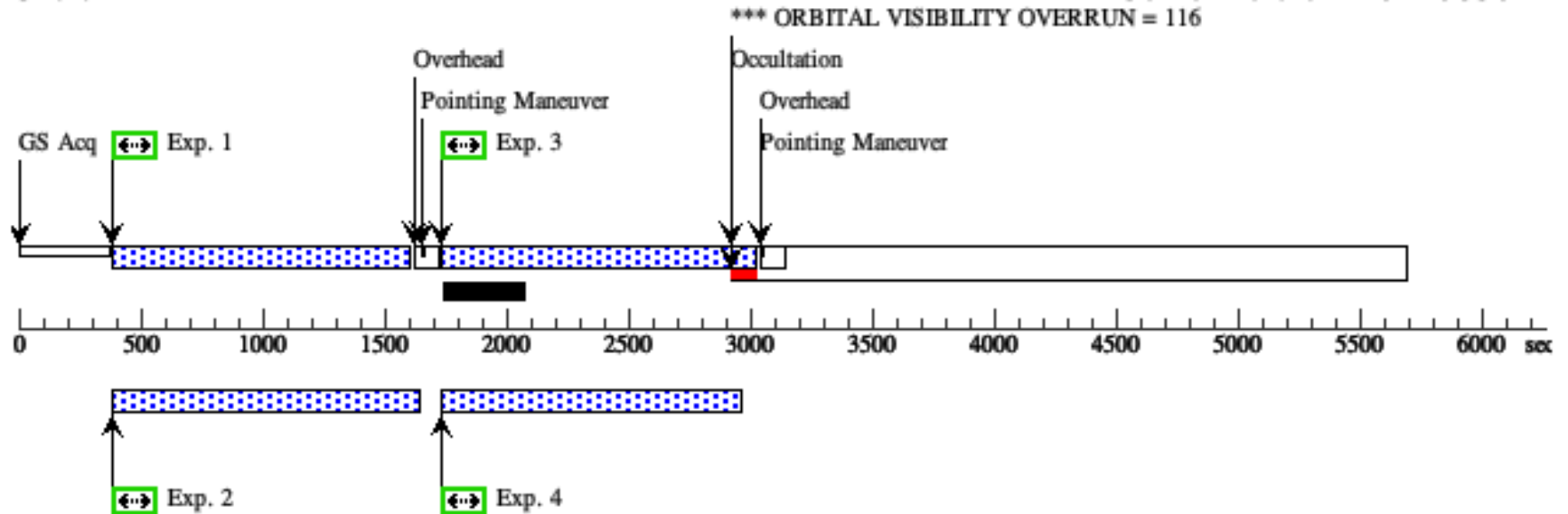
Visit	Proposal 15936, MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21), completed Tue Dec 06 00:01:33 GMT 2022				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 17				
Diagnostics	(MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	MACSJ0717.5+3745	RA: 07 17 34.0000 (109.3916667d) Dec: +37 44 49.00 (37.74694d) Equinox: J2000		V=27
Fixed Targets	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]				
	Reference Frame: ICRS				

Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21) - Flashlights: Many Extremely Magnified Individual Stars as...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1048 78125,1.4966265625	Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)	1110 Secs (1194 Secs) [==>1194.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0966 7968750000001,1.20 078125	Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)	1210 Secs (1294 Secs) [==>1294.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0323 296875,-3.52989375	Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)	1185 Secs (1217 Secs) [==>1217.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)	1164 Secs (1164 Secs) [==>]	[2]
	7		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06713 43750000000,-3.334 0984375000002	Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)	1259 Secs (1291 Secs) [==>1291.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (21)	1167 Secs (1075 Secs) [==>1075.0 Secs]	[2]

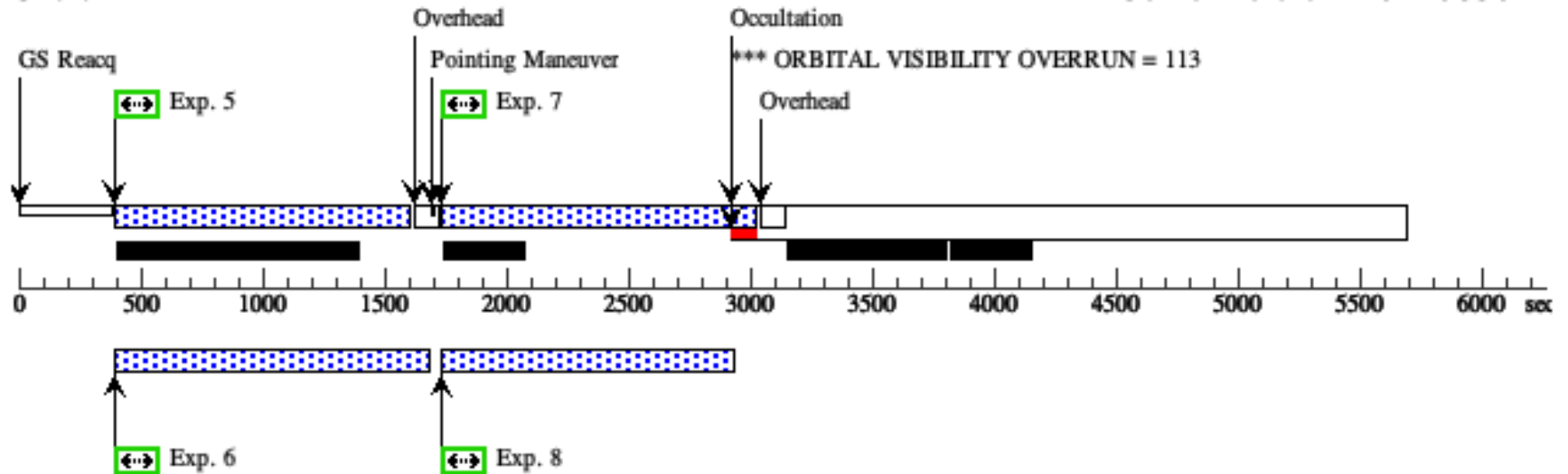
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630



Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22) - Flashlights: Many Extremely Magnified Individual Stars as...

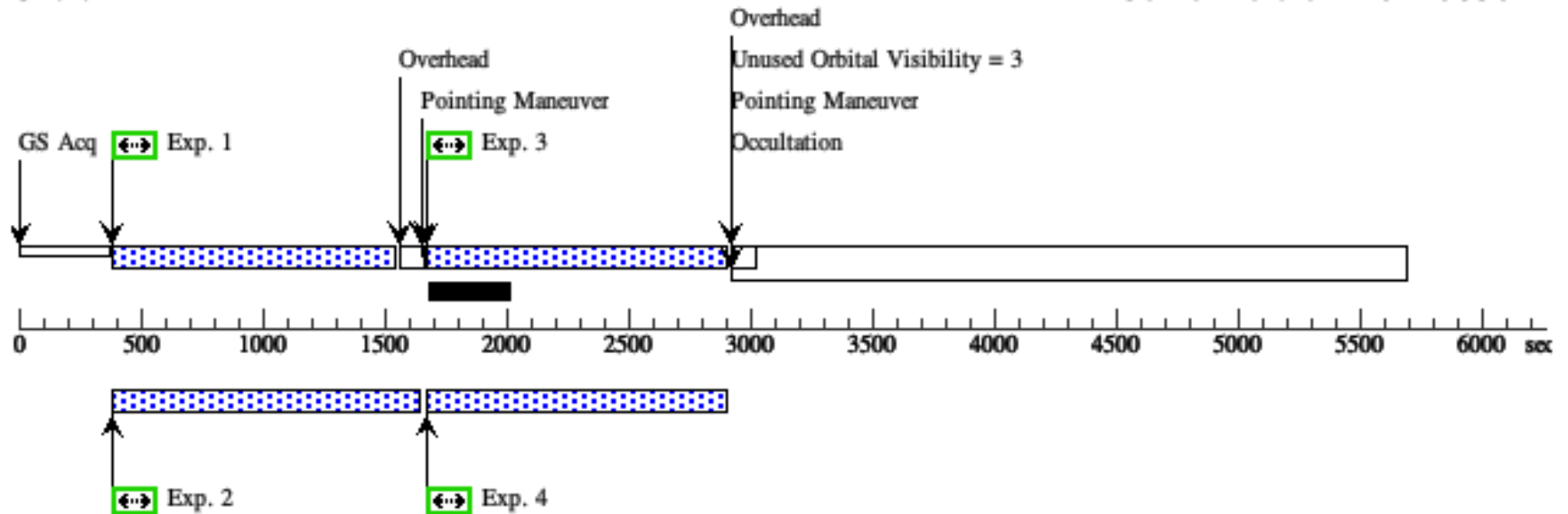
Visit	Proposal 15936, MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22), completed Tue Dec 06 00:01:33 GMT 2022				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 17				
Diagnostics	(MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	MACSJ0717.5+3745	RA: 07 17 34.0000 (109.3916667d) Dec: +37 44 49.00 (37.74694d) Equinox: J2000		V=27
Fixed Targets	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]				
	Miscellaneous Reference Frame: ICRS				

Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22) - Flashlights: Many Extremely Magnified Individual Stars as...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.2867 90625,1.3595515624 999999	Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)	1110 Secs (1134 Secs) [==>1134.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.12668 90625,1.510409375	Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)	1210 Secs (1234 Secs) [==>1234.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1678 359375,-3.286703125	Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)	1185 Secs (1157 Secs) [==>1157.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)	1164 Secs (1164 Secs) [==>]	[2]
	7		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.02134 6875,-3.5285484375	Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)	1259 Secs (1231 Secs) [==>1231.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (22)	1167 Secs (1075 Secs) [==>1075.0 Secs]	[2]

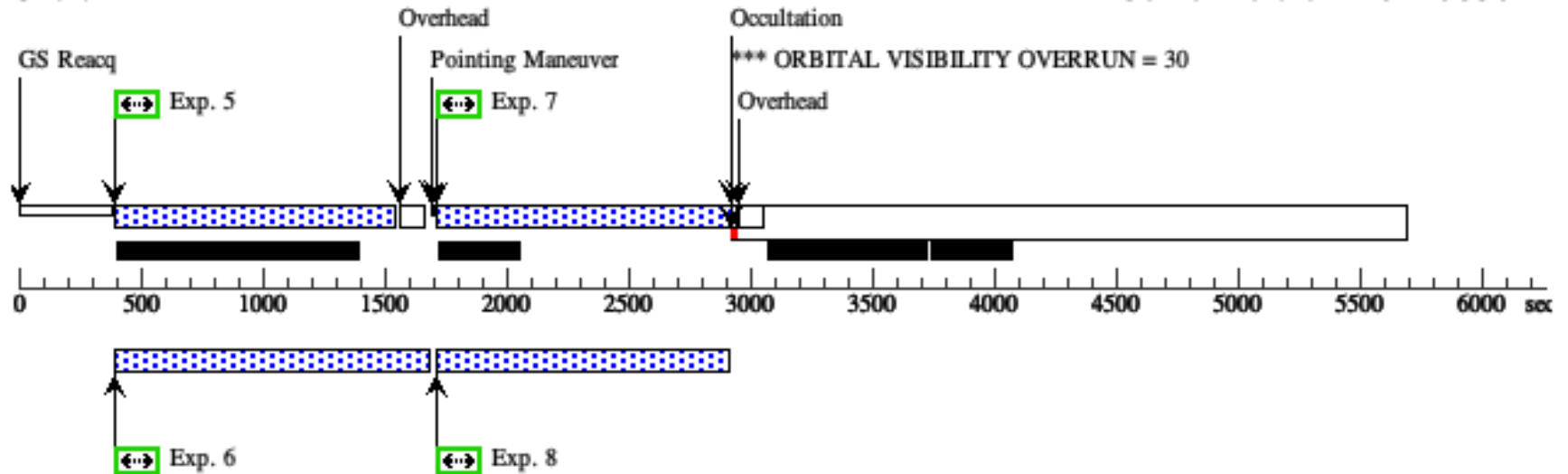
Orbit 1

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Orbit 2

Server Version: 20220630

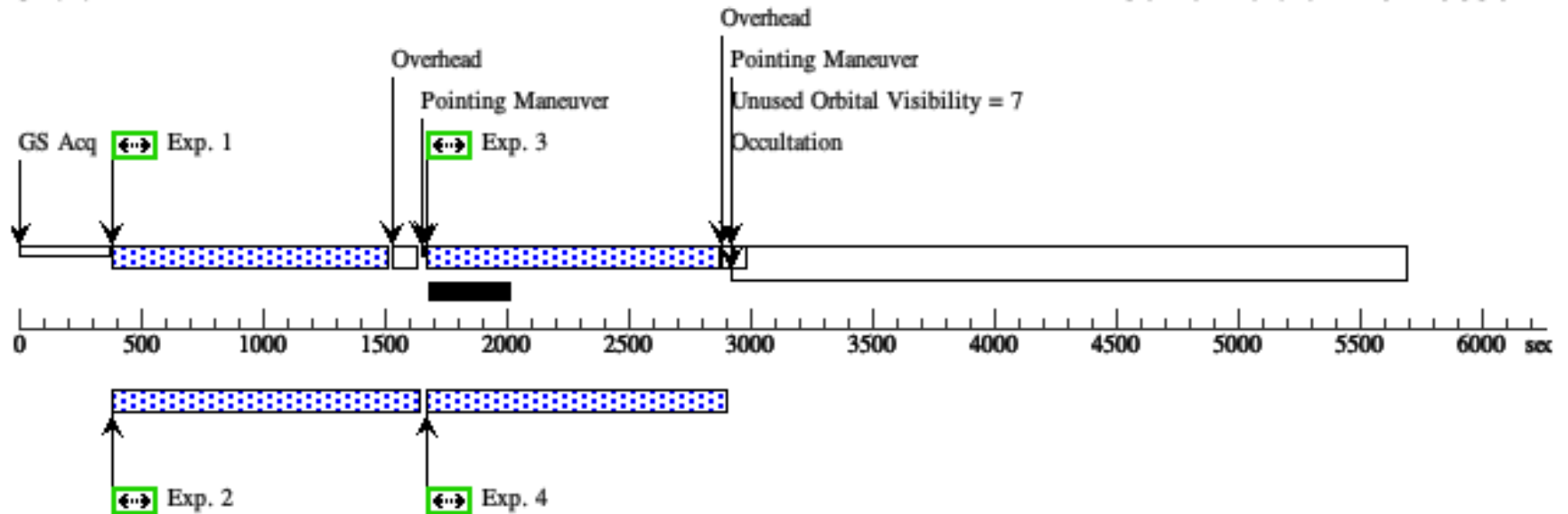


Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23) - Flashlights: Many Extremely Magnified Individual Stars as...

Visit	Proposal 15936, MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23), completed								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 17									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	MACSJ0717.5+3745	RA: 07 17 34.0000 (109.3916667d) Dec: +37 44 49.00 (37.74694d) Equinox: J2000			V=27		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1517 484375,1.470440625	Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23)	1110 Secs (1104 Secs) [==>1104.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.08213 906250000001,1.295 059375	Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23)	1210 Secs (1204 Secs) [==>1204.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1661 34375,-3.539479687 5	Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23)	1185 Secs (1127 Secs) [==>1127.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23)	1164 Secs (1164 Secs) [==>]	[2]
	7		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06852 65625,-3.390321875	Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23)	1259 Secs (1201 Secs) [==>1201.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F350LP Primary (23)	1167 Secs (1075 Secs) [==>1075.0 Secs]	[2]

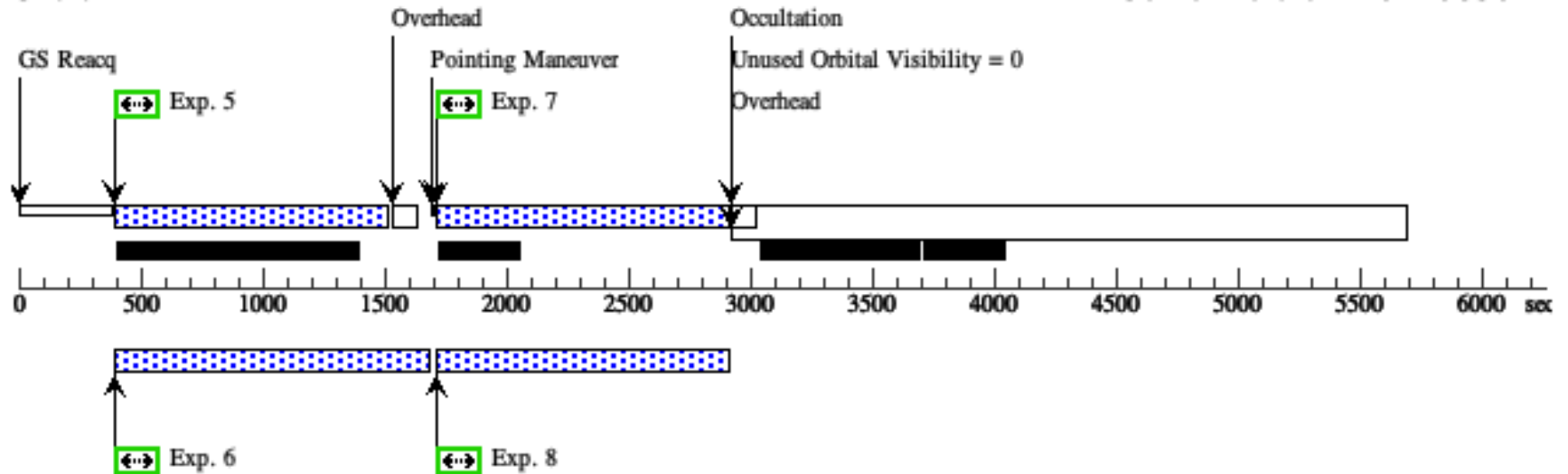
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630



Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24) - Flashlights: Many Extremely Magnified Individual Stars as...

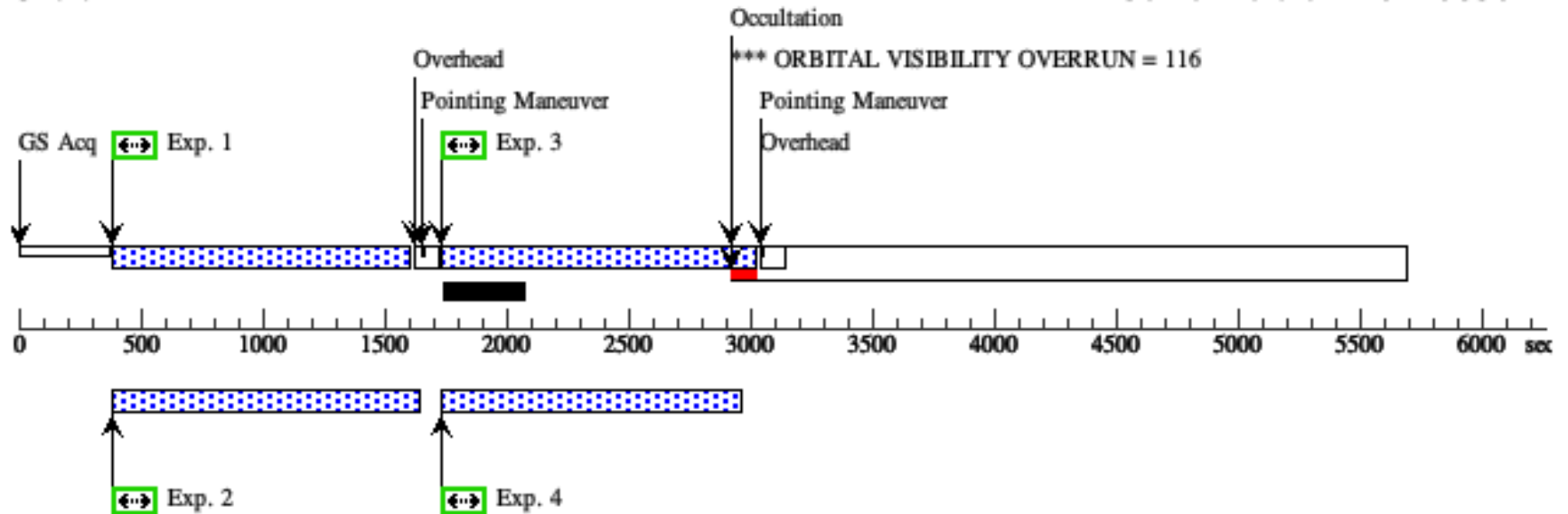
Visit	Proposal 15936, MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24), completed					Tue Dec 06 00:01:33 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: SCHED 100%; SAME ORIENT AS 17					
Diagnostics	(MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	MACSJ0717.5+3745	RA: 07 17 34.0000 (109.3916667d)		V=27	Reference Frame: ICRS
			Dec: +37 44 49.00 (37.74694d)			
			Equinox: J2000			
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]					

Proposal 15936 - MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24) - Flashlights: Many Extremely Magnified Individual Stars as...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1067 34375,1.4613203125	Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)	1110 Secs (1194 Secs) [==>1194.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.08198 437500000001,1.480 9765625	Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)	1210 Secs (1294 Secs) [==>1294.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1220 4843750000001,-3.2 77409375	Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)	1185 Secs (1217 Secs) [==>1217.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)	1164 Secs (1164 Secs) [==>]	[2]
	7		(11) MACSJ0717.5+3745	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.11292 1875,-3.5642734375	Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)	1259 Secs (1291 Secs) [==>1291.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ0717.5+3745 WFC3/UVIS F200LP Primary (24)	1167 Secs (1075 Secs) [==>1075.0 Secs]	[2]

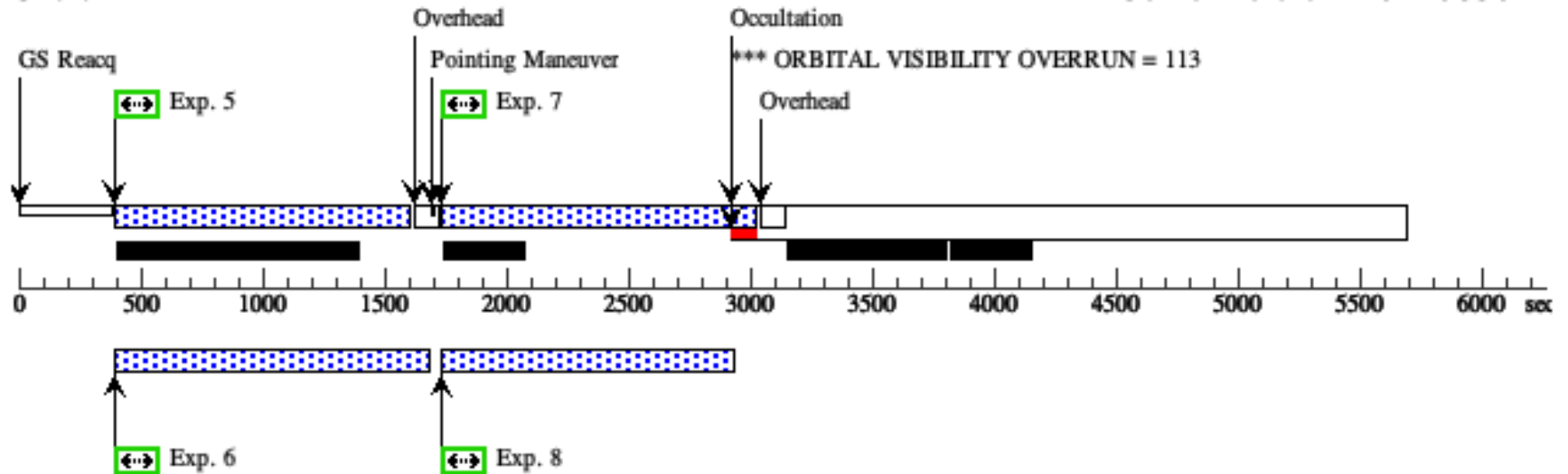
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

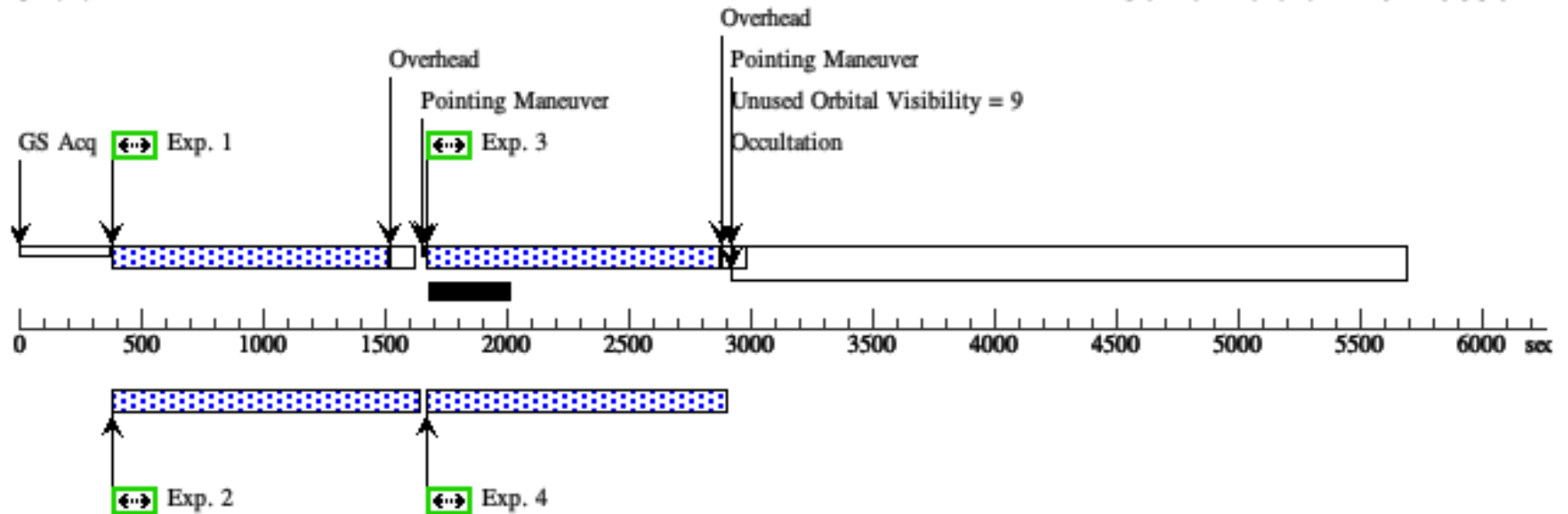


Proposal 15936 - MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09), completed								Tue Dec 06 00:01:33 GMT 2022		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS, ACS/WFC										
	Special Requirements: SCHED 100%; SEQ 09,10,11,12,13,14,15,16 WITHIN 40 H										
Comments: orient as close as possible to 125 or 305 to match Hubble Frontier Fields											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	MACSJ1149.5+2223	RA: 11 49 36.3144 (177.4013100d) Dec: +22 23 59.32 (22.39981d) Equinox: J2000				V=27		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) MACSJ1149.5+223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2410 03125,1.2380015625	Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09)	1110 Secs (1102 Secs) [==>1102.0 Secs]		[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09)	1109 Secs (1050 Secs) [==>1050.0 Secs]		[1]
	3		(3) MACSJ1149.5+223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.12792 6562,1.29447812	Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09)	1210 Secs (1202 Secs) [==>1202.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09)	1109 Secs (1109 Secs) [==>1109.0 Secs]		[1]
	5		(3) MACSJ1149.5+223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2113 03125,-3.332098	Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09)	1185 Secs (1129 Secs) [==>1129.0 Secs]		[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09)	1164 Secs (1164 Secs) [==>]		[2]
	7		(3) MACSJ1149.5+223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.24533 437500000002,-3.49 96984375	Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09)	1259 Secs (1203 Secs) [==>1203.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (09)	1167 Secs (1077 Secs) [==>1077.0 Secs]		[2]

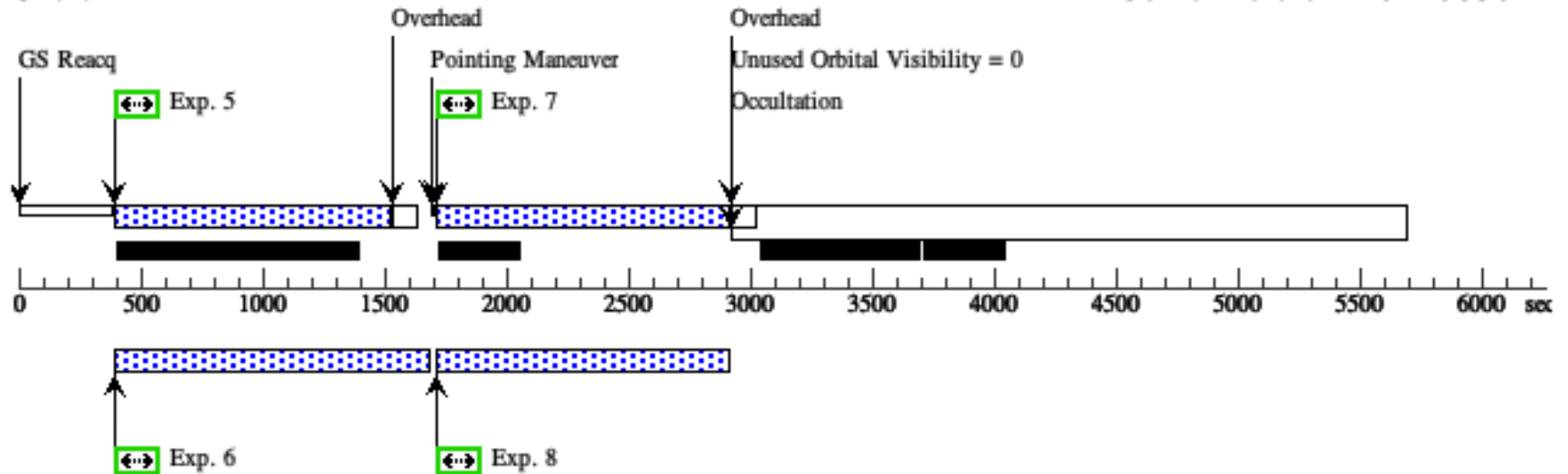
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

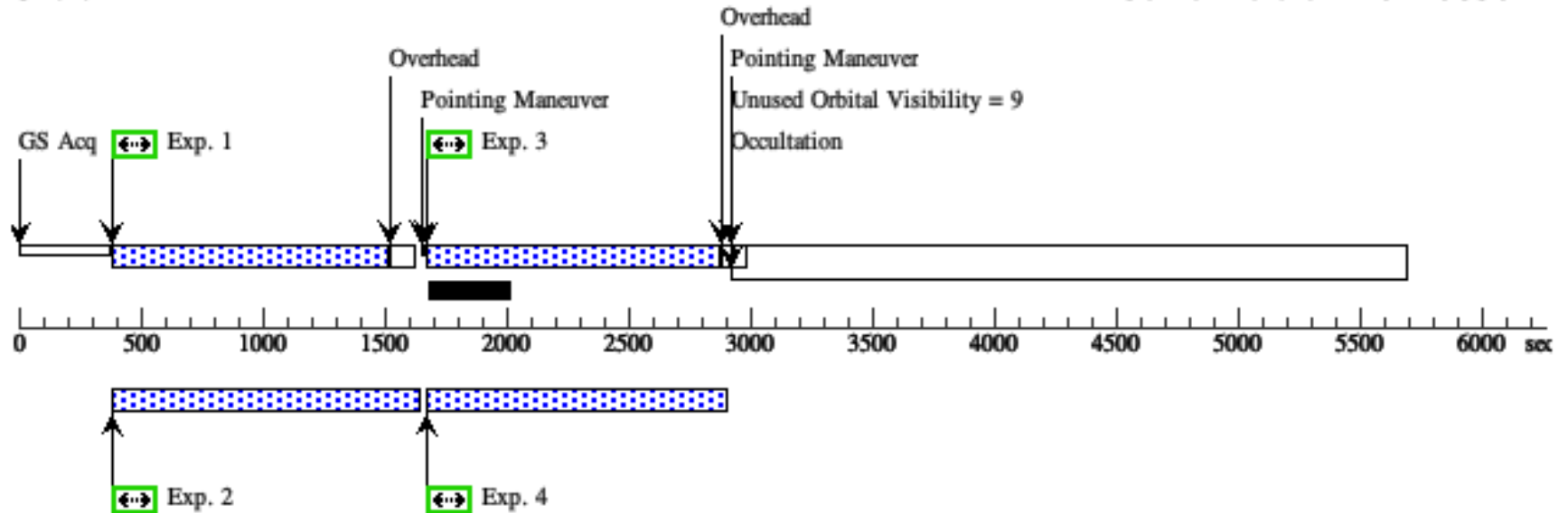


Proposal 15936 - MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10), completed								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 09									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	MACSJ1149.5+2223	RA: 11 49 36.3144 (177.4013100d) Dec: +22 23 59.32 (22.39981d) Equinox: J2000			V=27		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1047 234375,1.293428125	Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10)	1110 Secs (1102 Secs) [==>1102.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0504 28125000000004,1.2584015625	Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10)	1210 Secs (1202 Secs) [==>1202.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01283 90625000000002,-3.380540625	Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10)	1185 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10)	1164 Secs (1164 Secs) [==>]	[2]
	7		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.28880 15625,-3.372834375	Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10)	1259 Secs (1203 Secs) [==>1203.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (10)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

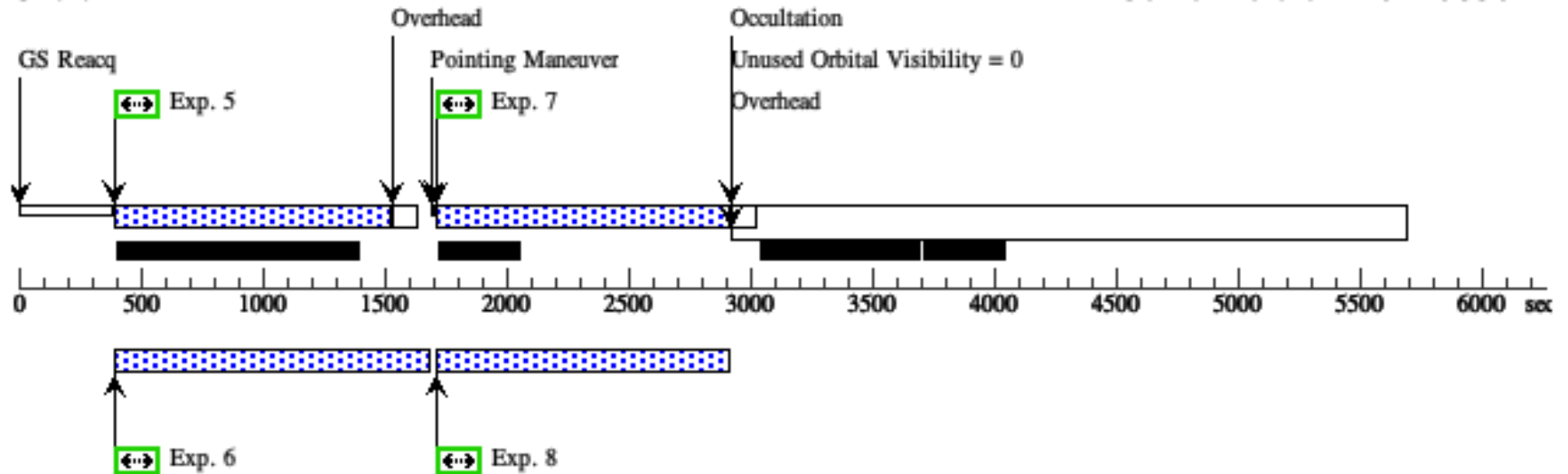
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

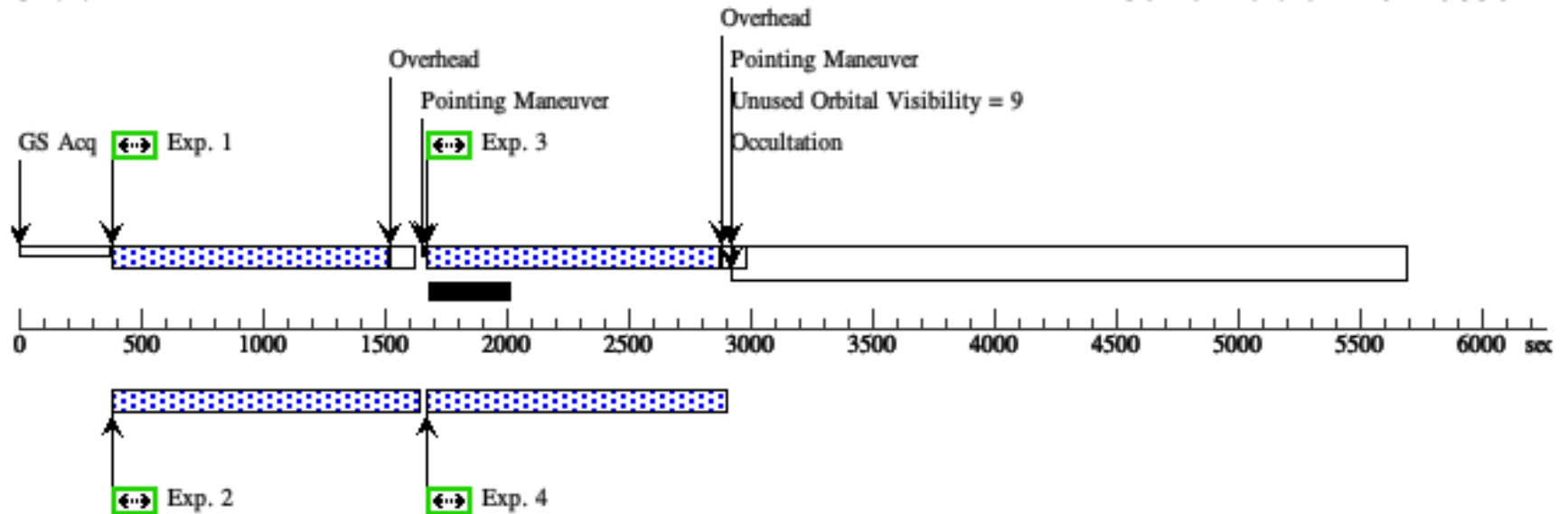


Proposal 15936 - MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11), completed								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 09									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	MACSJ1149.5+2223	RA: 11 49 36.3144 (177.4013100d) Dec: +22 23 59.32 (22.39981d) Equinox: J2000			V=27		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2397 65625,1.2763515625	Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11)	1110 Secs (1102 Secs) [==>1102.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.03867 1875,1.5113515625	Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11)	1210 Secs (1202 Secs) [==>1202.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0298 54687, -3.310006250 0000003	Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11)	1185 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11)	1164 Secs (1164 Secs) [==>]	[2]
	7		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.02196 5625000000003,-3.3 390296874999996	Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11)	1259 Secs (1203 Secs) [==>1203.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (11)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

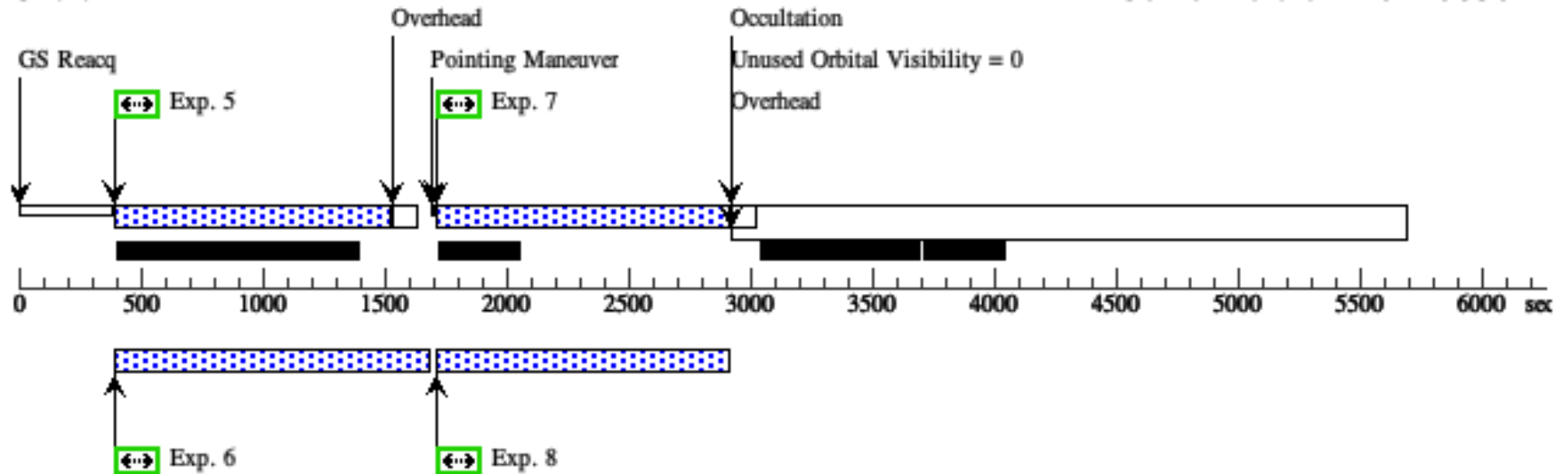
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

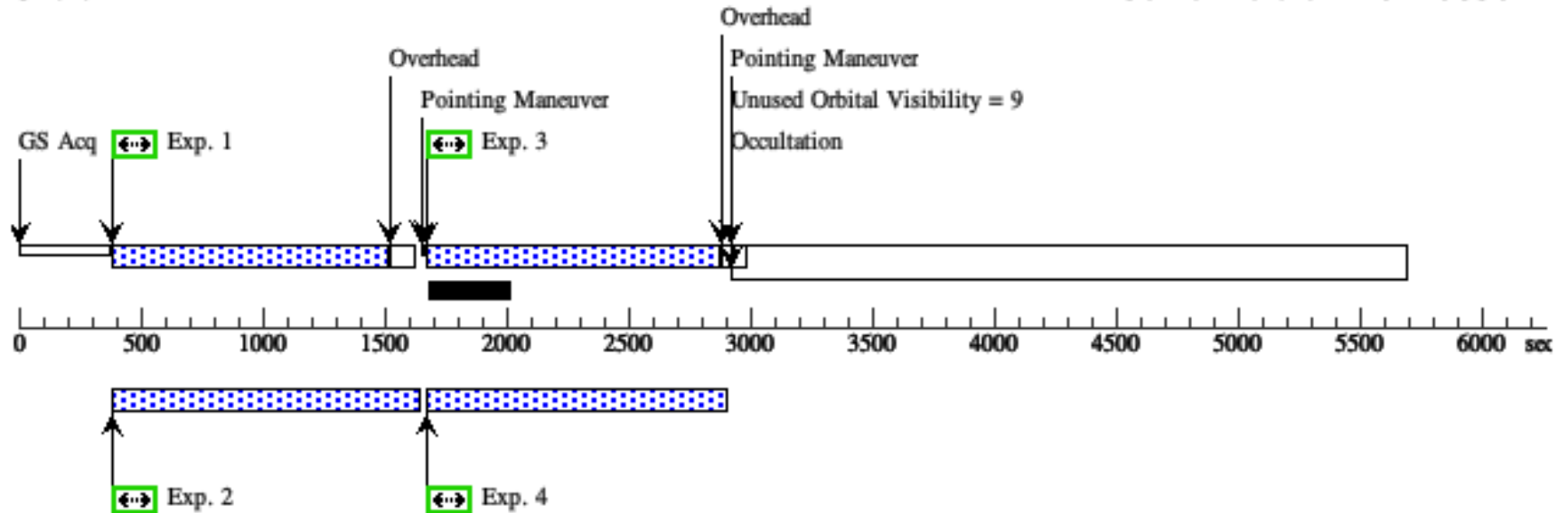


Proposal 15936 - MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12), completed								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 09									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	MACSJ1149.5+2223	RA: 11 49 36.3144 (177.4013100d) Dec: +22 23 59.32 (22.39981d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1519 0312,1.3132015625	Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12)	1110 Secs (1102 Secs) [==>1102.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.17062 0312,1.30788124999 99999	Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12)	1210 Secs (1202 Secs) [==>1202.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01268 4375000000001,-3.5 698734375	Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12)	1185 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12)	1164 Secs (1164 Secs) [==>]	[2]
	7		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.15375 9375,-3.3750984375	Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12)	1259 Secs (1203 Secs) [==>1203.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (12)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

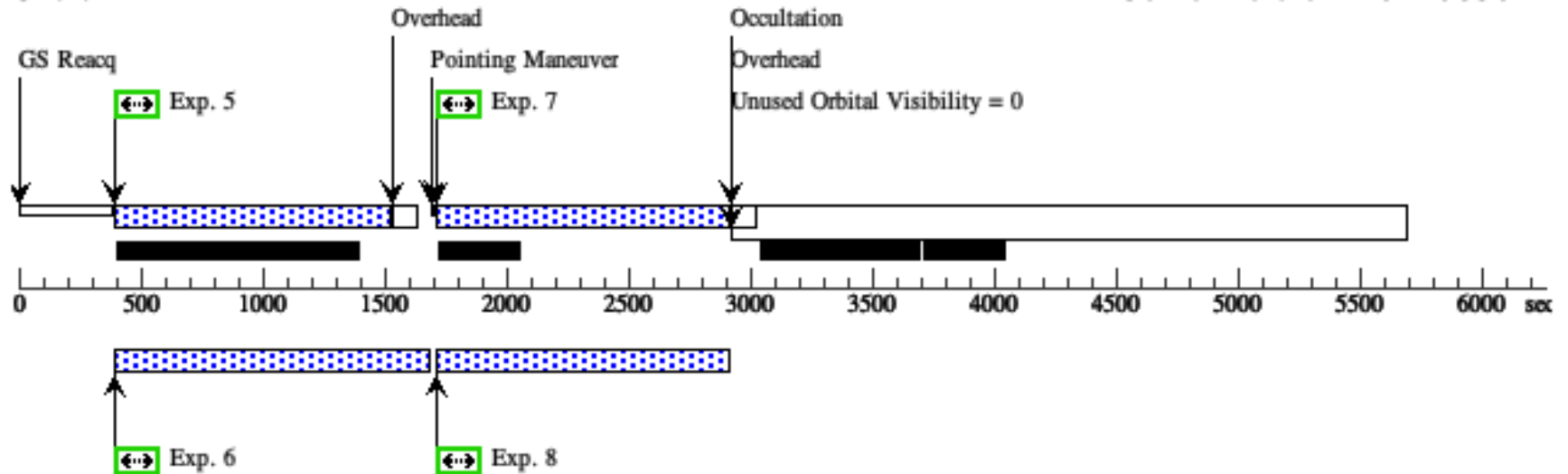
Orbit 1

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Orbit 2

Server Version: 20220630

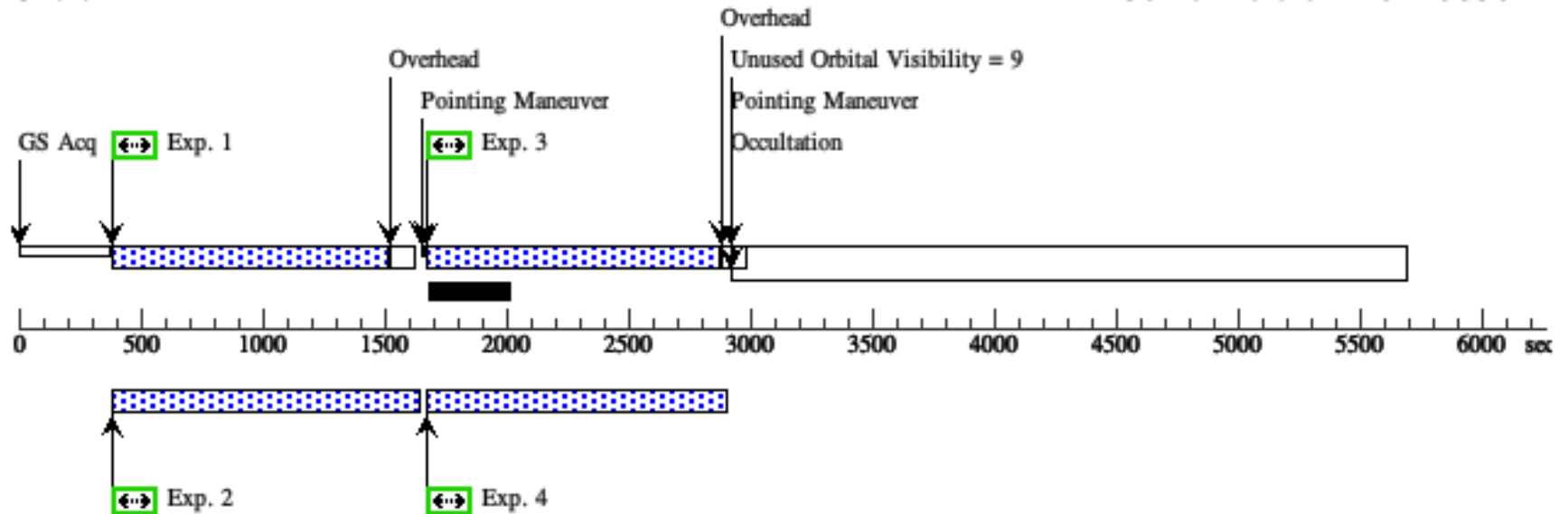


Proposal 15936 - MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13), completed								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 09									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	MACSJ1149.5+2223	RA: 11 49 36.3144 (177.4013100d) Dec: +22 23 59.32 (22.39981d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1048 78125,1.4966265625	Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13)	1110 Secs (1102 Secs) [==>1102.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0966 7968750000001,1.20 078125	Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13)	1210 Secs (1202 Secs) [==>1202.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0323 296875,-3.52989375	Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13)	1185 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13)	1164 Secs (1164 Secs) [==>]	[2]
	7		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06713 43750000000,-3.334 0984375000002	Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13)	1259 Secs (1203 Secs) [==>1203.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (13)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

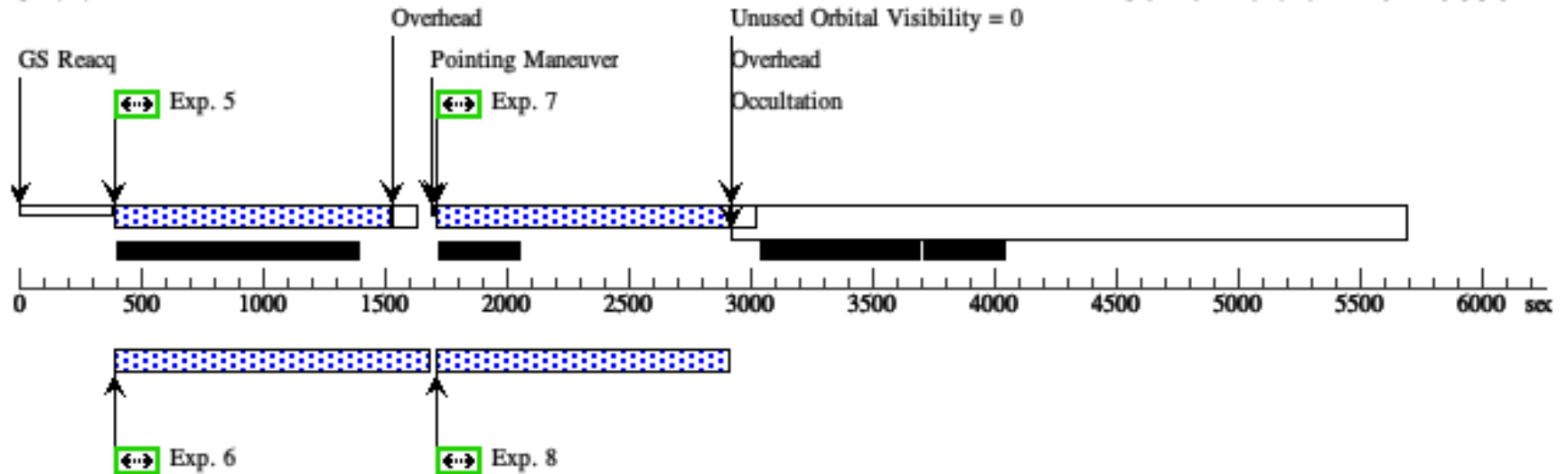
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

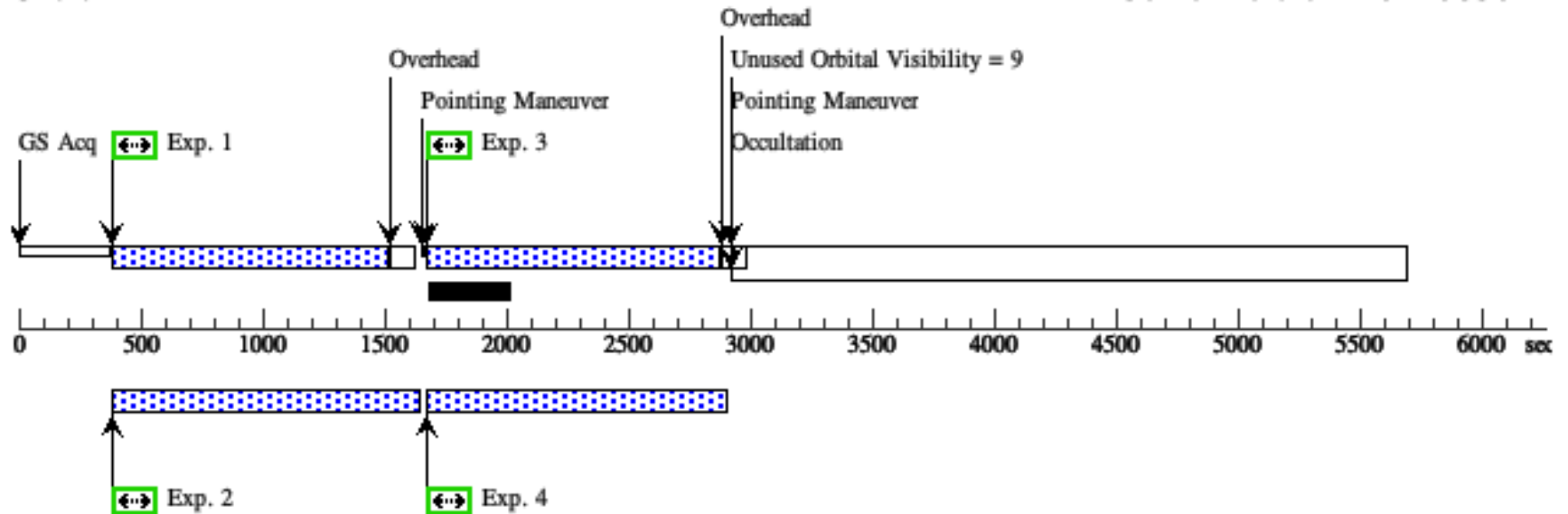


Proposal 15936 - MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14), completed								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 09									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	MACSJ1149.5+2223	RA: 11 49 36.3144 (177.4013100d) Dec: +22 23 59.32 (22.39981d) Equinox: J2000			V=27		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.2867 90625,1.3595515624 999999	Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14)	1110 Secs (1102 Secs) [==>1102.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.12668 90625,1.510409375	Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14)	1210 Secs (1202 Secs) [==>1202.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1678 359375,-3.28670312 5	Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14)	1185 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14)	1164 Secs (1164 Secs) [==>]	[2]
	7		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.02134 6875,-3.5285484375	Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14)	1259 Secs (1203 Secs) [==>1203.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (14)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

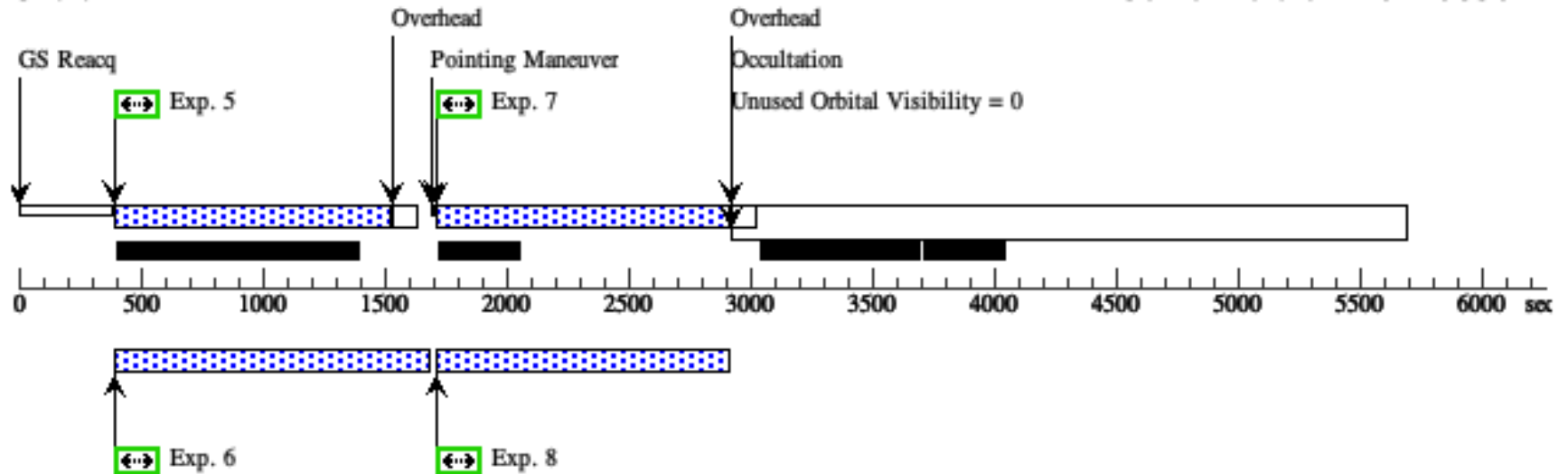
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

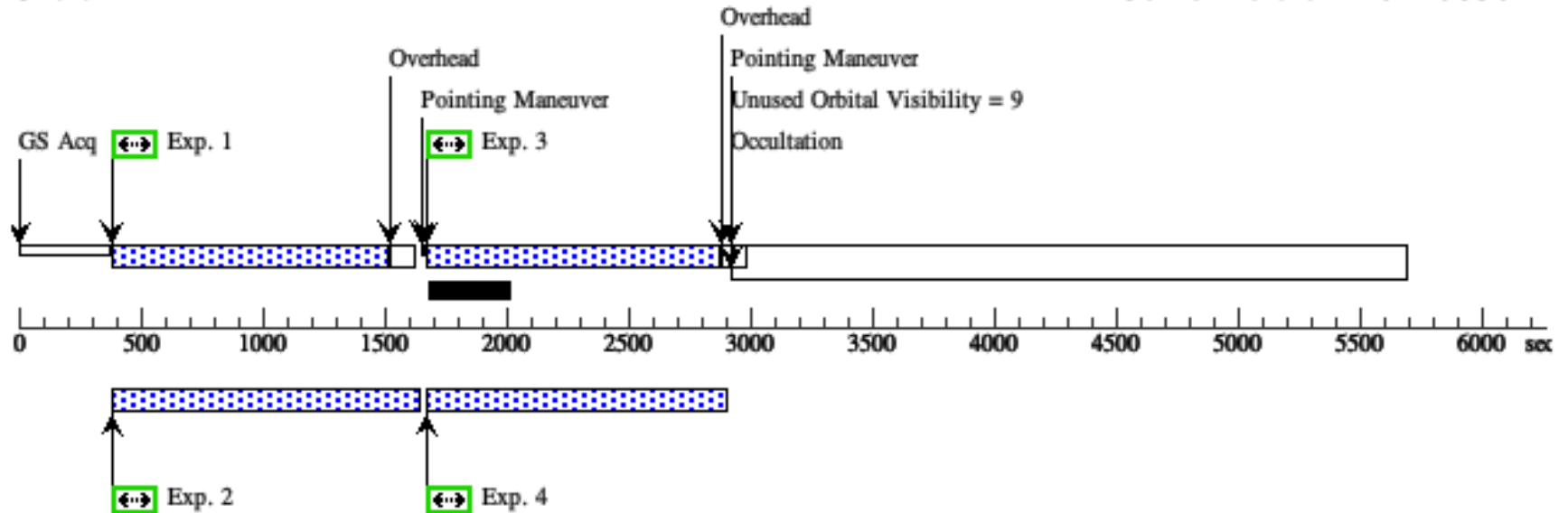


Proposal 15936 - MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15), completed								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 09									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	MACSJ1149.5+2223	RA: 11 49 36.3144 (177.4013100d) Dec: +22 23 59.32 (22.39981d) Equinox: J2000			V=27		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1517 484375,1.470440625	Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15)	1110 Secs (1102 Secs) [==>1102.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.08213 906250000001,1.295 059375	Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15)	1210 Secs (1202 Secs) [==>1202.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1661 34375,-3.539479687 5	Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15)	1185 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15)	1164 Secs (1164 Secs) [==>]	[2]
	7		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06852 65625,-3.390321875	Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15)	1259 Secs (1203 Secs) [==>1203.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F350LP Primary (15)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

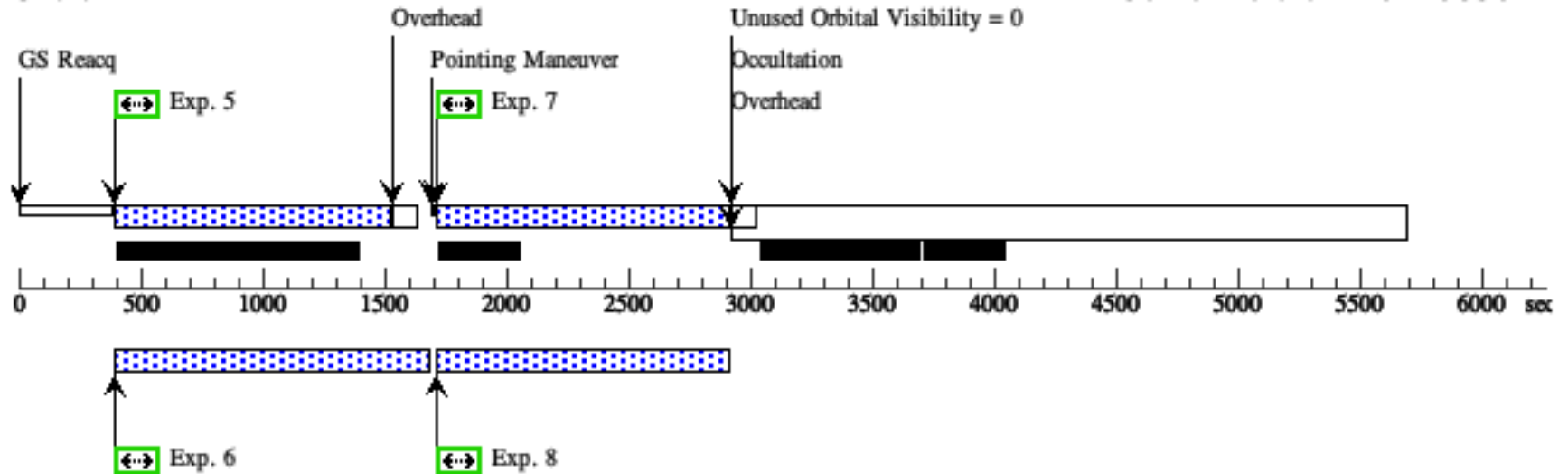
Orbit 1

Server Version: 20220630



Orbit 2

Server Version: 20220630

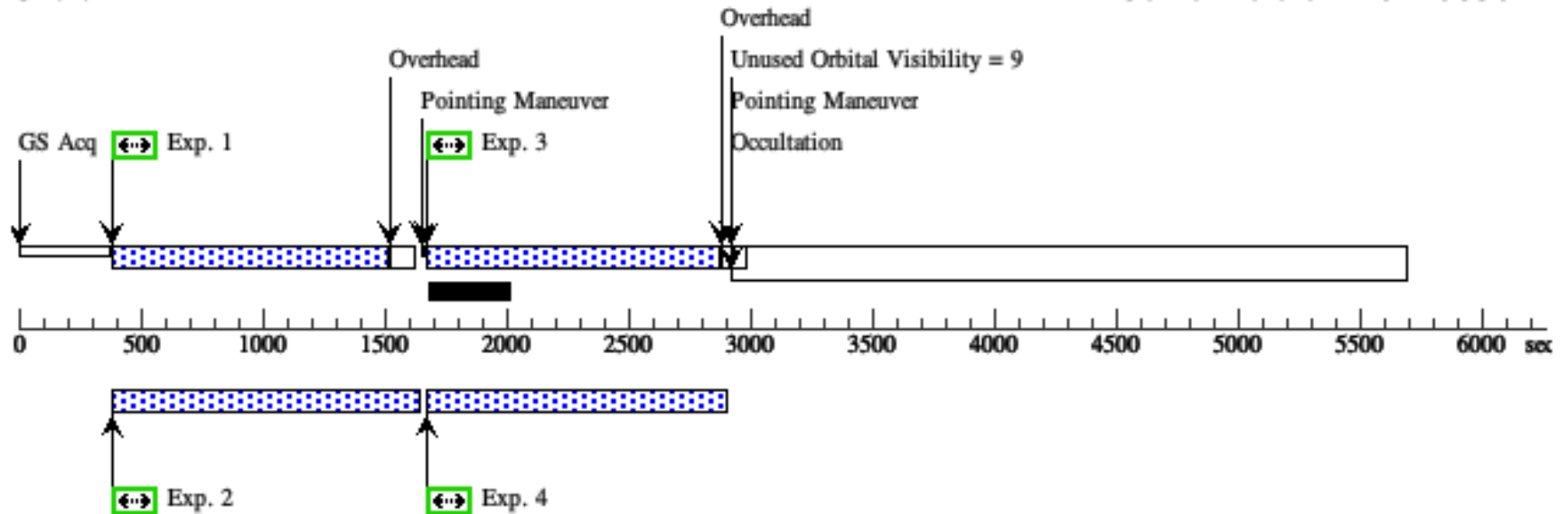


Proposal 15936 - MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16) - Flashlights: Many Extremely Magnified Individual Stars as ...

Visit	Proposal 15936, MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16), completed								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 09									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	MACSJ1149.5+2223	RA: 11 49 36.3144 (177.4013100d) Dec: +22 23 59.32 (22.39981d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1067 34375,1.4613203125	Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16)	1110 Secs (1102 Secs) [==>1102.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 1-2 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	3		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.08198 437500000001,1.480 9765625	Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16)	1210 Secs (1202 Secs) [==>1202.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 3-4 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16)	1109 Secs (1109 Secs) [==>1109.0 Secs]	[1]
	5		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1220 4843750000001,-3.2 77409375	Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16)	1185 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 5-6 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16)	1164 Secs (1164 Secs) [==>]	[2]
	7		(3) MACSJ1149.5+2223	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.11292 1875,-3.5642734375	Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16)	1259 Secs (1203 Secs) [==>1203.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Group 7-8 in MACSJ1149.5+2223 WFC3/UVIS F200LP Primary (16)	1167 Secs (1077 Secs) [==>1077.0 Secs]	[2]

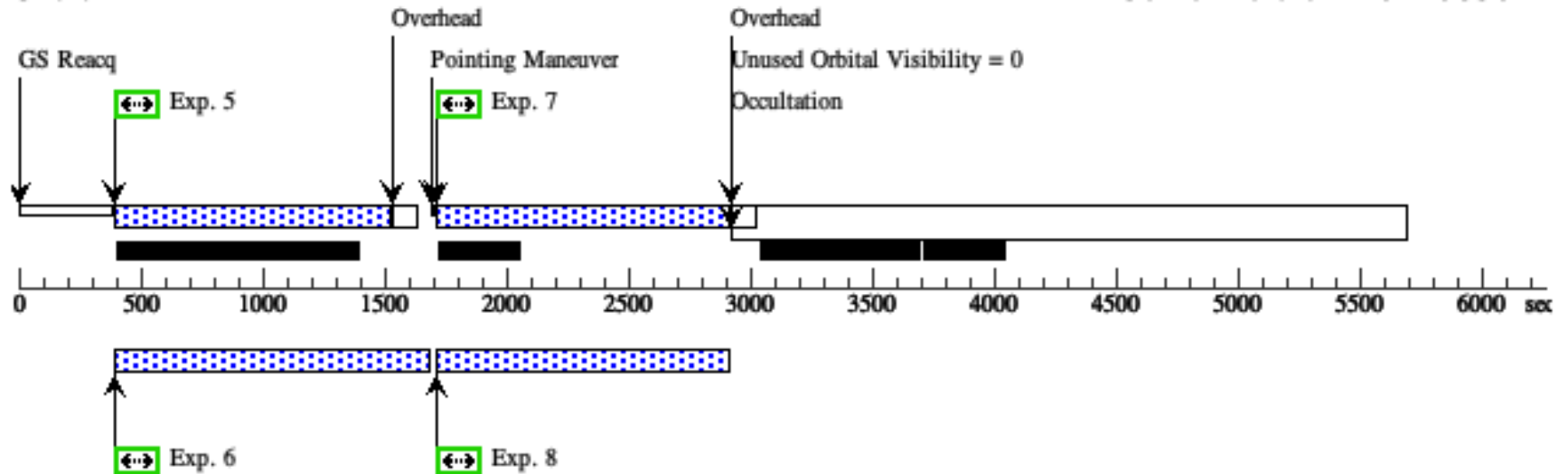
Orbit 1

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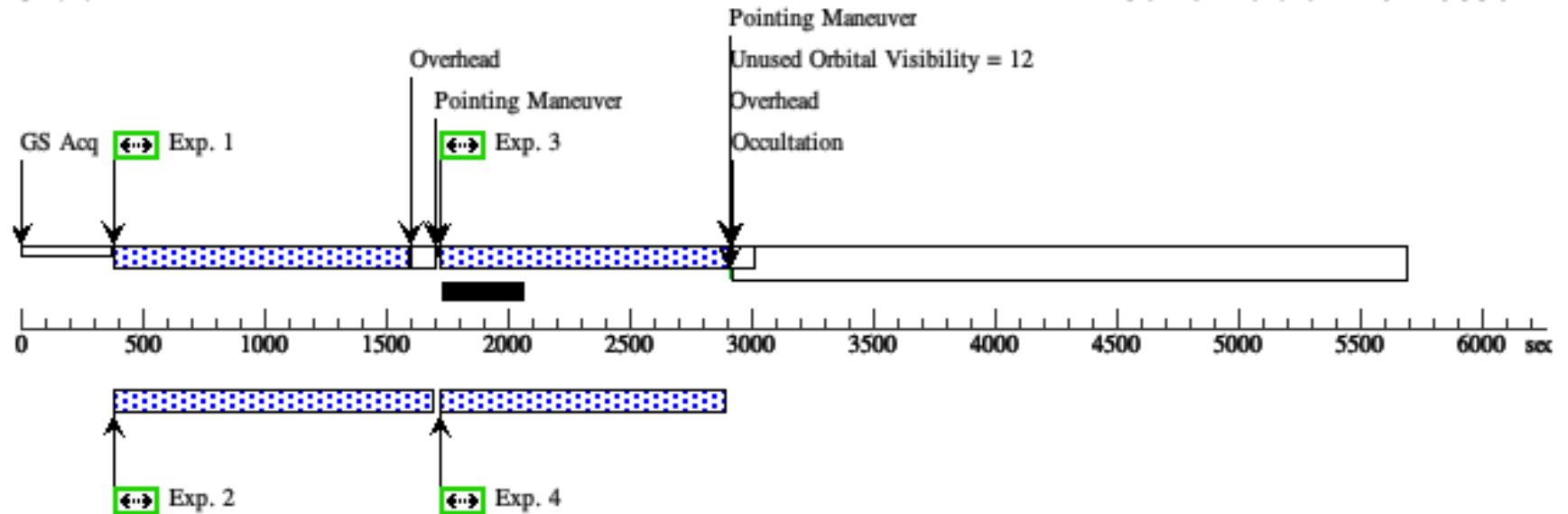


Proposal 15936 - ABELL-2744 WFC3/UVIS F350LP Primary (33) - Flashlights: Many Extremely Magnified Individual Stars as Probes ...

Visit	Proposal 15936, ABELL-2744 WFC3/UVIS F350LP Primary (33), implementation								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SEQ 33,34,35,36 WITHIN 6.5 Orbits									
Comments: Orient as close as possible to 53 or 233 to match Hubble Frontier Fields										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	ABELL-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2410 03125,1.2380015625	Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (33)	1110 Secs (1180 Secs) [==>1180.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (33)	1109 Secs (1100 Secs) [==>1100.0 Secs]	[1]
	3		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.12792 6562,1.29447812	Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (33)	1210 Secs (1180 Secs) [==>1180.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (33)	1109 Secs (1050 Secs) [==>1050.0 Secs]	[1]
	5		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2113 03125,-3.332098	Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (33)	1185 Secs (1190 Secs) [==>1190.0 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (33)	1164 Secs (1160 Secs) [==>1160.0 Secs]	[2]
	7		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.24533 437500000002,-3.49 96984375	Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (33)	1259 Secs (1190 Secs) [==>1190.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (33)	1167 Secs (1060 Secs) [==>1060.0 Secs]	[2]

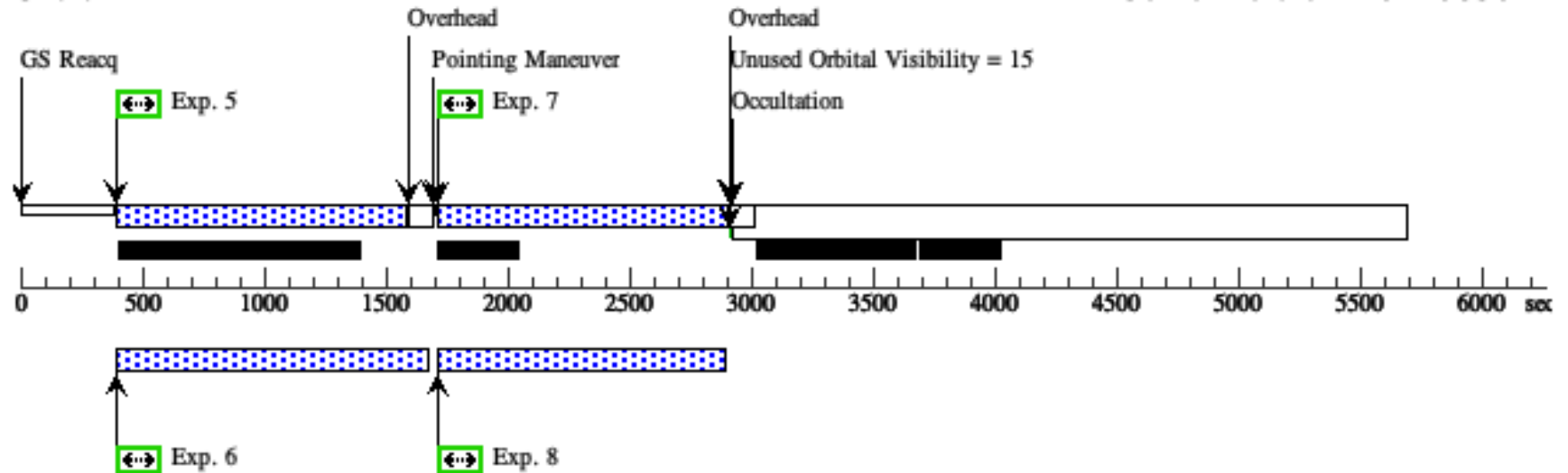
Orbit 1

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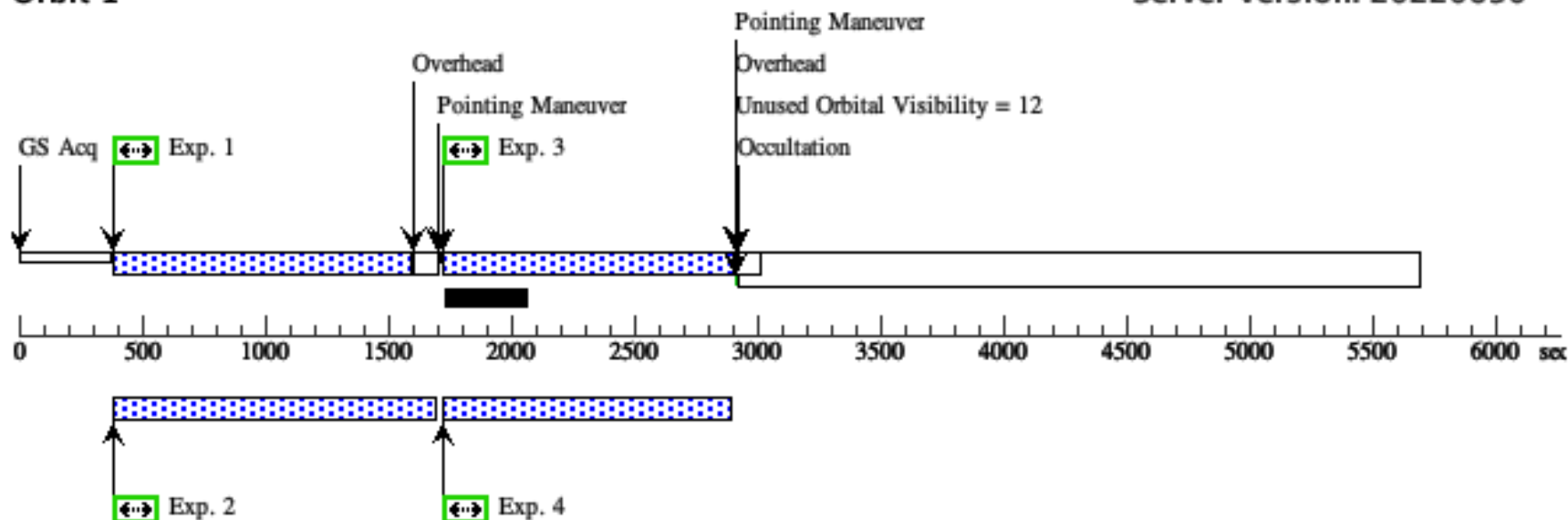


Proposal 15936 - ABELL-2744 WFC3/UVIS F200LP Primary (34) - Flashlights: Many Extremely Magnified Individual Stars as Probes ...

Visit	Proposal 15936, ABELL-2744 WFC3/UVIS F200LP Primary (34), implementation								Tue Dec 06 00:01:33 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 33									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	ABELL-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1047 234375,1.293428125	Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (34)	1110 Secs (1180 Secs) [==>1180 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (34)	1109 Secs (1100 Secs) [==>1100 Secs]	[1]
	3		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.0504 28125000000004,1.2 584015625	Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (34)	1210 Secs (1180 Secs) [==>1180 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (34)	1109 Secs (1050 Secs) [==>1050 Secs]	[1]
	5		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01283 90625000000002,-3.3 80540625	Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (34)	1185 Secs (1190 Secs) [==>1190 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (34)	1164 Secs (1160 Secs) [==>1160 Secs]	[2]
	7		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.28880 15625,-3.372834375	Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (34)	1259 Secs (1190 Secs) [==>1190 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (34)	1167 Secs (1060 Secs) [==>1060 Secs]	[2]

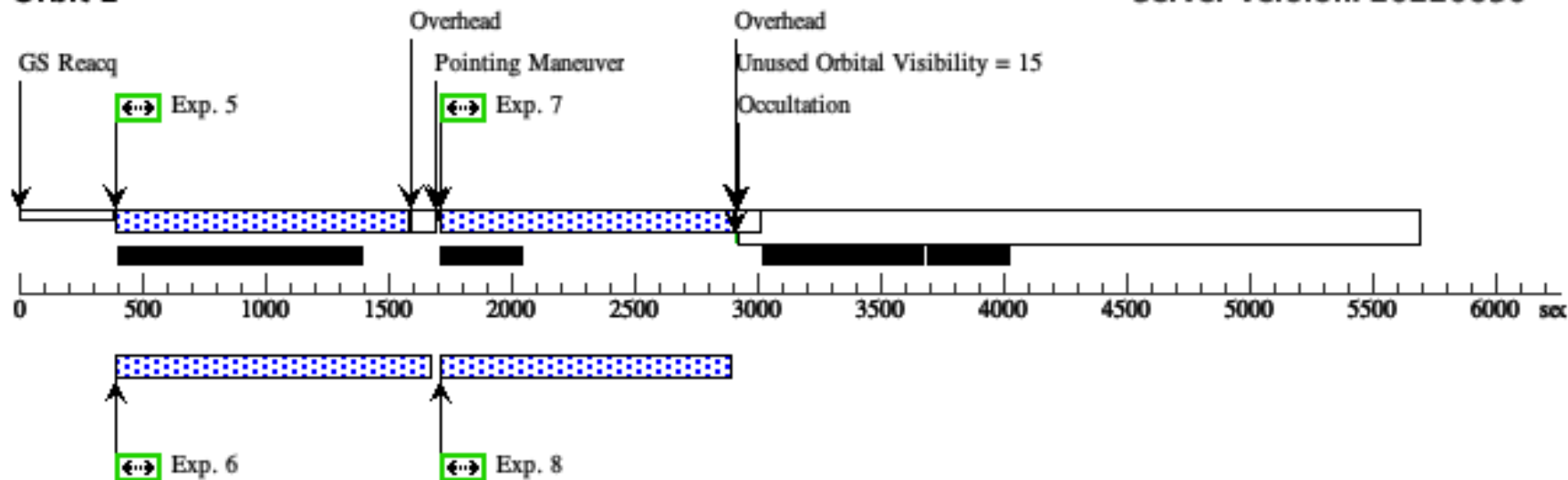
Orbit 1

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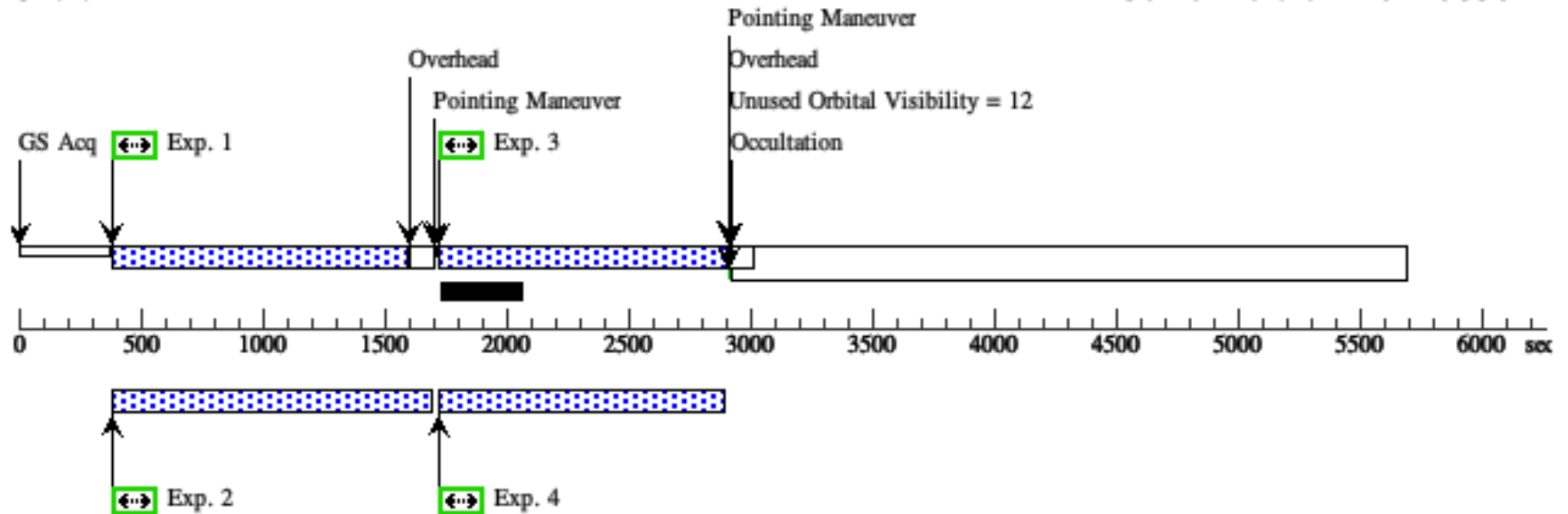


Proposal 15936 - ABELL-2744 WFC3/UVIS F350LP Primary (35) - Flashlights: Many Extremely Magnified Individual Stars as Probes ...

Visit	Proposal 15936, ABELL-2744 WFC3/UVIS F350LP Primary (35), implementation							Tue Dec 06 00:01:34 GMT 2022		
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 33									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(7)	ABELL-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000			V=27	Reference Frame: ICRS			
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.2397 65625,1.2763515625	Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (35)	1110 Secs (1180 Secs) [==>1180 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (35)	1109 Secs (1100 Secs) [==>1100 Secs]	[1]
	3		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.03867 1875,1.5113515625	Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (35)	1210 Secs (1180 Secs) [==>1180 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (35)	1109 Secs (1050 Secs) [==>1050 Secs]	[1]
	5		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0298 54687, -3.310006250 0000003	Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (35)	1185 Secs (1190 Secs) [==>1190 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (35)	1164 Secs (1160 Secs) [==>1160 Secs]	[2]
	7		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.02196 5625000000003,-3.3 390296874999996	Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (35)	1259 Secs (1190 Secs) [==>1190 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (35)	1167 Secs (1060 Secs) [==>1060 Secs]	[2]

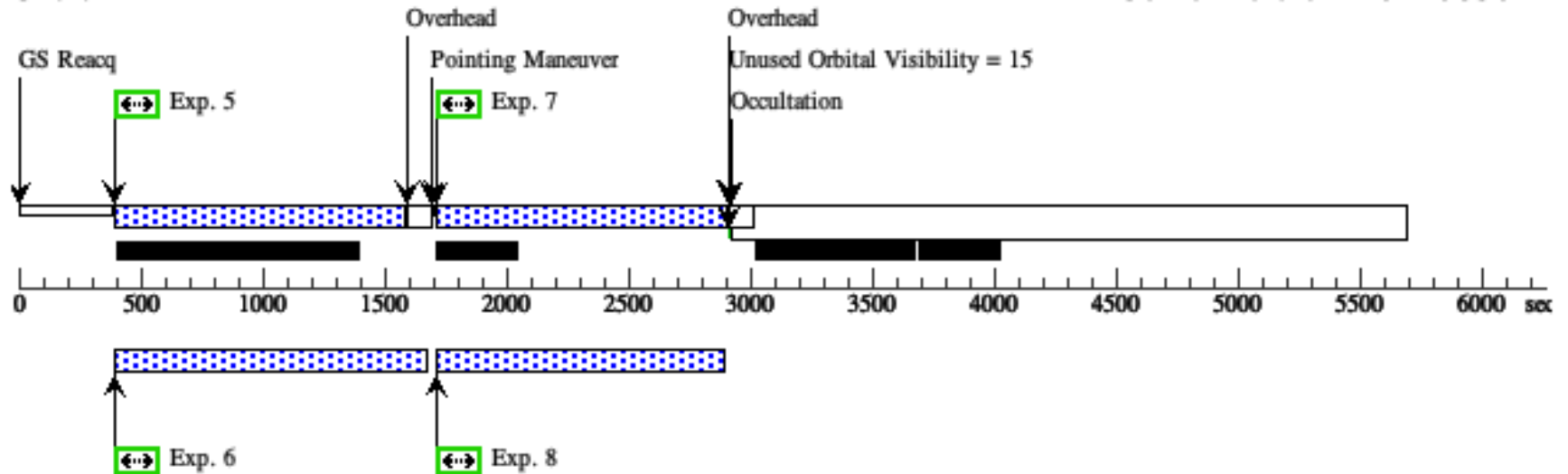
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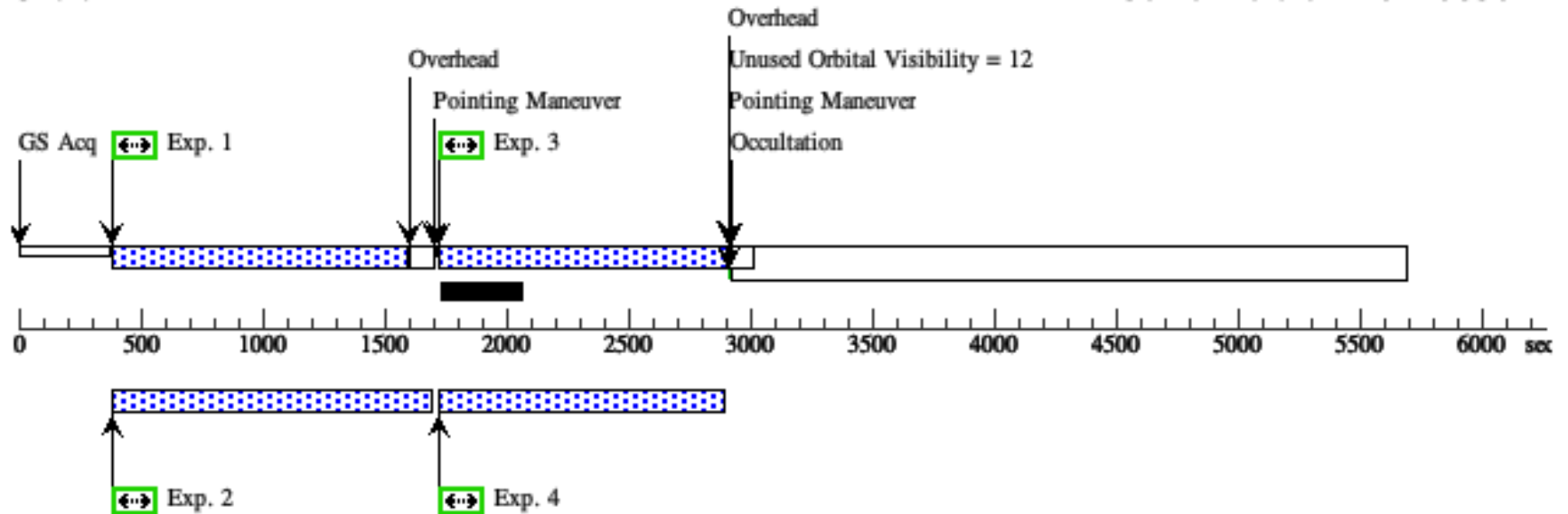


Proposal 15936 - ABELL-2744 WFC3/UVIS F200LP Primary (36) - Flashlights: Many Extremely Magnified Individual Stars as Probes ...

Visit	Proposal 15936, ABELL-2744 WFC3/UVIS F200LP Primary (36), implementation								Tue Dec 06 00:01:34 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 33									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	ABELL-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1519 0312,1.3132015625	Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (36)	1110 Secs (1180 Secs) [==>1180 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (36)	1109 Secs (1100 Secs) [==>1100 Secs]	[1]
	3		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.17062 0312,1.30788124999 99999	Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (36)	1210 Secs (1180 Secs) [==>1180 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (36)	1109 Secs (1050 Secs) [==>1050 Secs]	[1]
	5		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.01268 4375000000001,-3.5 698734375	Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (36)	1185 Secs (1190 Secs) [==>1190 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (36)	1164 Secs (1160 Secs) [==>1160 Secs]	[2]
	7		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.15375 9375,-3.3750984375	Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (36)	1259 Secs (1190 Secs) [==>1190 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (36)	1167 Secs (1060 Secs) [==>1060 Secs]	[2]

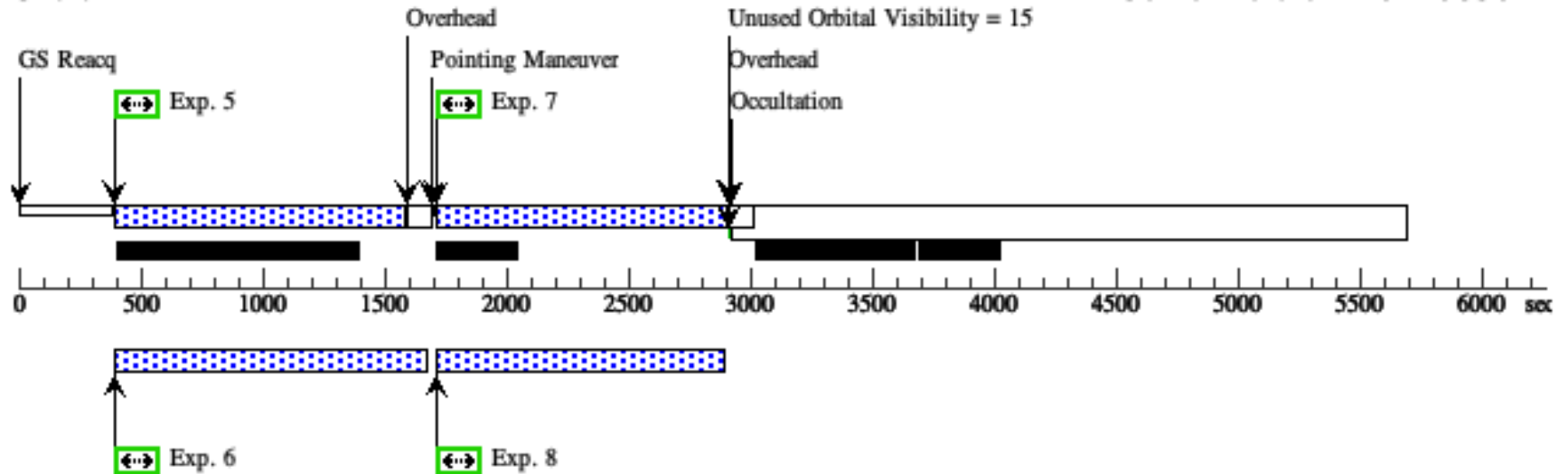
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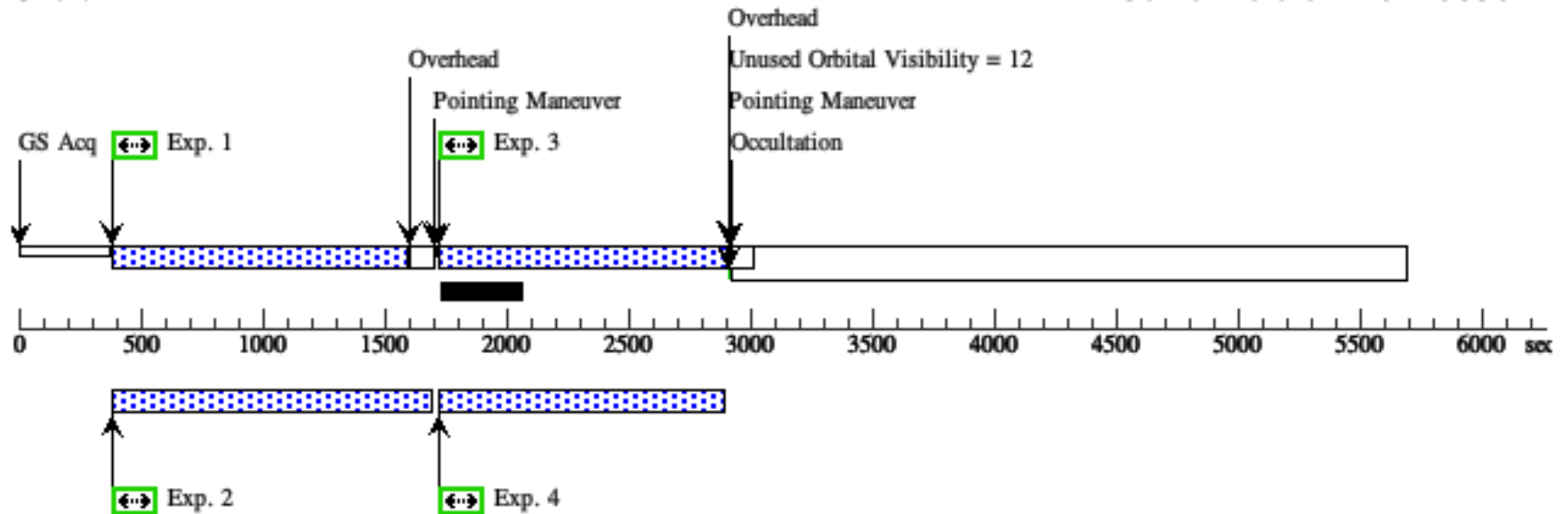


Proposal 15936 - ABELL-2744 WFC3/UVIS F350LP Primary (37) - Flashlights: Many Extremely Magnified Individual Stars as Probes ...

Visit	Proposal 15936, ABELL-2744 WFC3/UVIS F350LP Primary (37), implementation								Tue Dec 06 00:01:34 GMT 2022	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 33; SEQ 37,38,39,40 WITHIN 6.5 Orbits									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	ABELL-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1048 78125,1.4966265625	Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (37)	1110 Secs (1180 Secs) [==>1180 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (37)	1109 Secs (1100 Secs) [==>1100 Secs]	[1]
	3		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0966 7968750000001,1.20 078125	Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (37)	1210 Secs (1180 Secs) [==>1180 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (37)	1109 Secs (1050 Secs) [==>1050 Secs]	[1]
	5		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.0323 296875,-3.52989375	Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (37)	1185 Secs (1190 Secs) [==>1190 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (37)	1164 Secs (1160 Secs) [==>1160 Secs]	[2]
	7		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06713 43750000000,-3.334 0984375000002	Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (37)	1259 Secs (1190 Secs) [==>1190 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (37)	1167 Secs (1060 Secs) [==>1060 Secs]	[2]

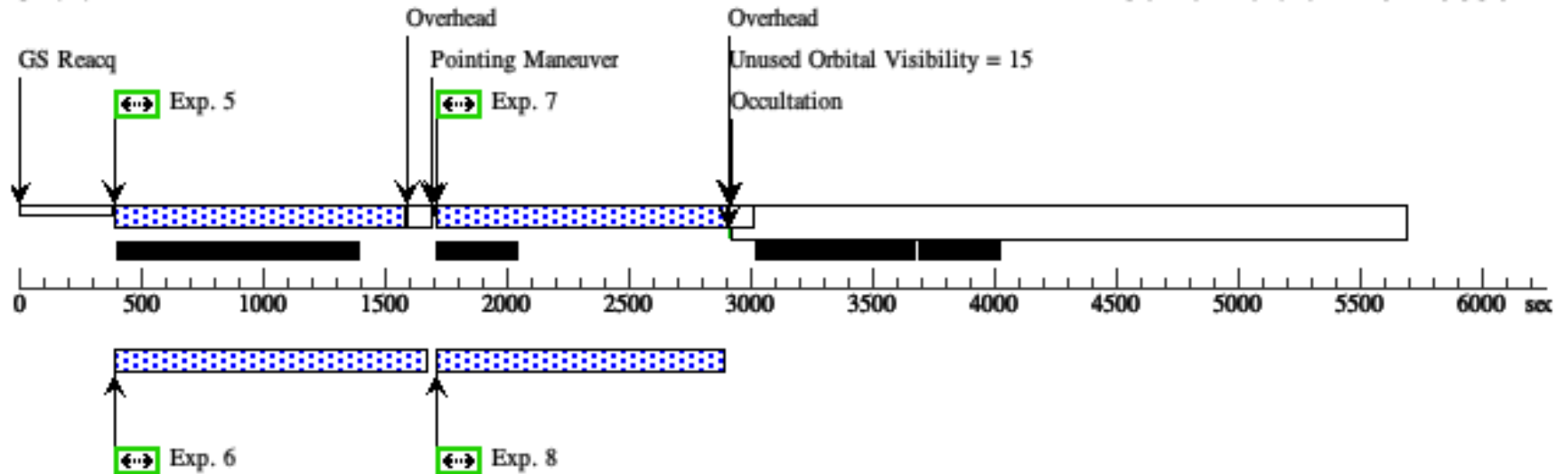
Orbit 1

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Orbit 2

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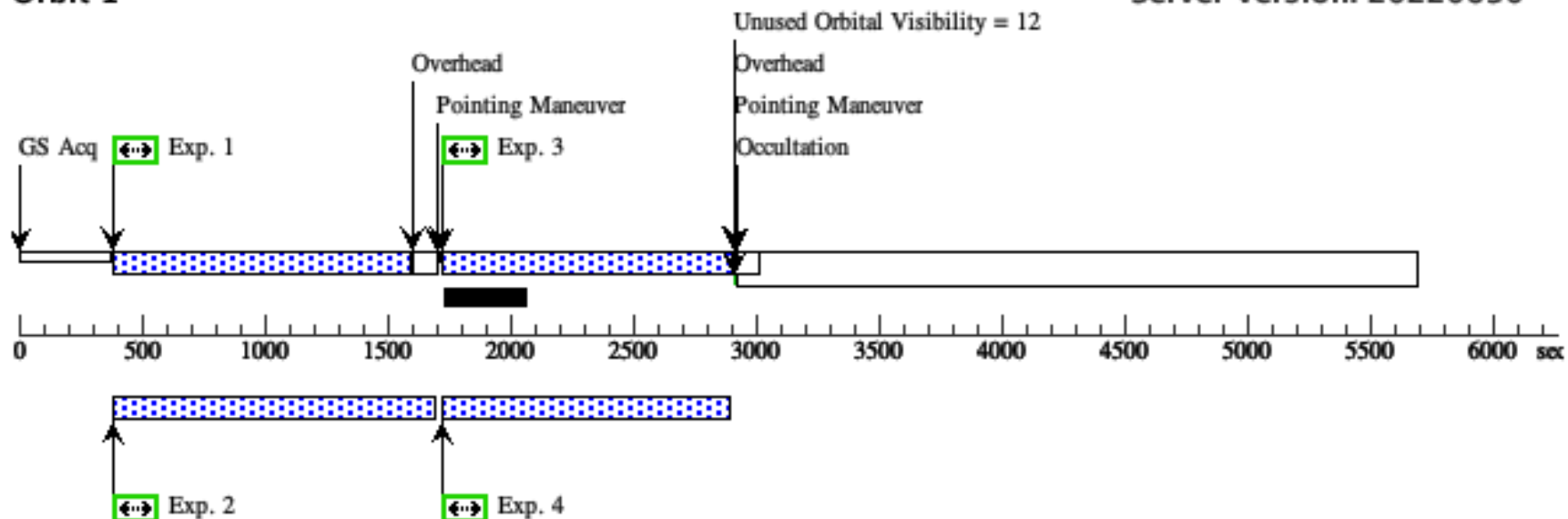


Proposal 15936 - ABELL-2744 WFC3/UVIS F200LP Primary (38) - Flashlights: Many Extremely Magnified Individual Stars as Probes ...

Visit	Proposal 15936, ABELL-2744 WFC3/UVIS F200LP Primary (38), implementation							Tue Dec 06 00:01:34 GMT 2022		
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 33									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	ABELL-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.2867 90625,1.3595515624 999999	Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (38)	1110 Secs (1180 Secs) [==>1180 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (38)	1109 Secs (1100 Secs) [==>1100 Secs]	[1]
	3		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.12668 90625,1.510409375	Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (38)	1210 Secs (1180 Secs) [==>1180 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (38)	1109 Secs (1050 Secs) [==>1050 Secs]	[1]
	5		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1678 359375,-3.28670312 5	Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (38)	1185 Secs (1190 Secs) [==>1190 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (38)	1164 Secs (1160 Secs) [==>1160 Secs]	[2]
	7		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.02134 6875,-3.5285484375	Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (38)	1259 Secs (1190 Secs) [==>1190 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (38)	1167 Secs (1060 Secs) [==>1060 Secs]	[2]

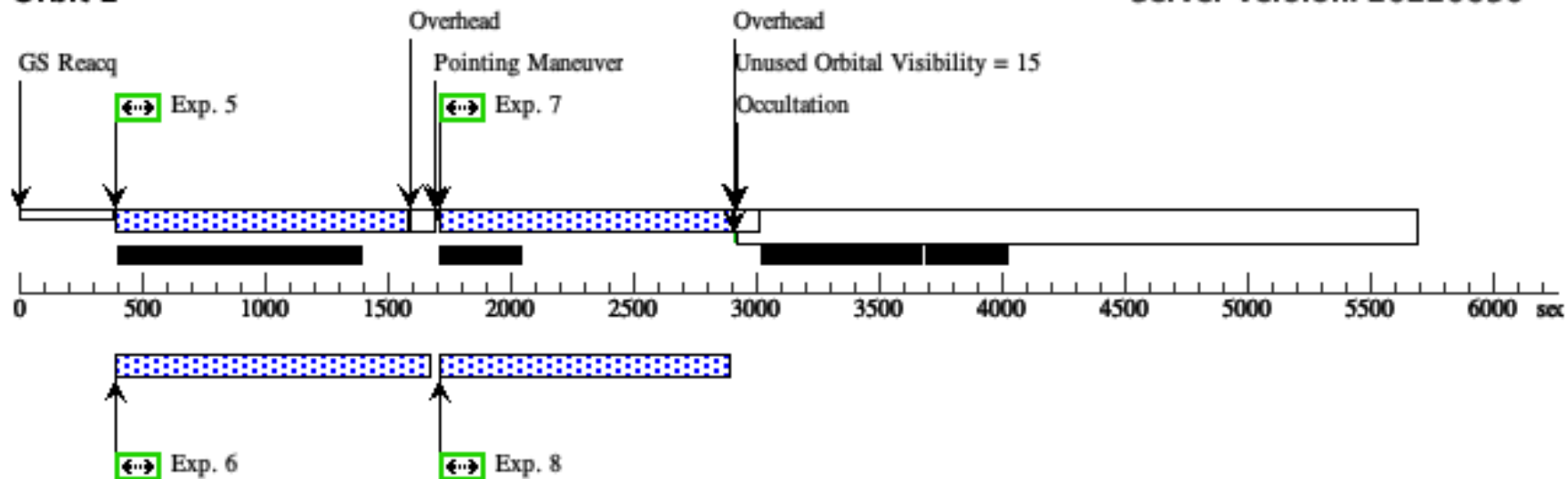
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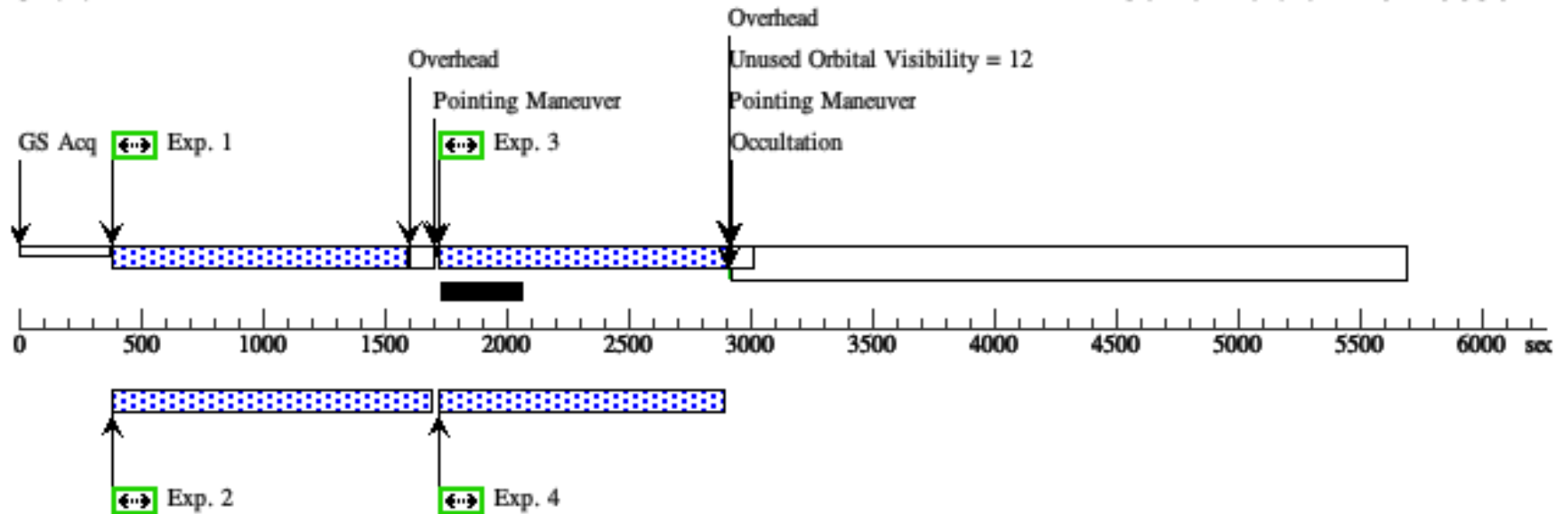


Proposal 15936 - ABELL-2744 WFC3/UVIS F350LP Primary (39) - Flashlights: Many Extremely Magnified Individual Stars as Probes ...

Visit	Proposal 15936, ABELL-2744 WFC3/UVIS F350LP Primary (39), implementation						Tue Dec 06 00:01:34 GMT 2022			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 33									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	ABELL-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000			V=27		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1517 484375,1.470440625	Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (39)	1110 Secs (1180 Secs) [==>1180 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (39)	1109 Secs (1100 Secs) [==>1100 Secs]	[1]
	3		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.08213 906250000001,1.295 059375	Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (39)	1210 Secs (1180 Secs) [==>1180 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (39)	1109 Secs (1050 Secs) [==>1050 Secs]	[1]
	5		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG -0.1661 34375,-3.539479687 5	Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (39)	1185 Secs (1190 Secs) [==>1190 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (39)	1164 Secs (1160 Secs) [==>1160 Secs]	[2]
	7		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP		POS TARG 0.06852 65625,-3.390321875	Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (39)	1259 Secs (1190 Secs) [==>1190 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F606W			Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F35 0LP Primary (39)	1167 Secs (1060 Secs) [==>1060 Secs]	[2]

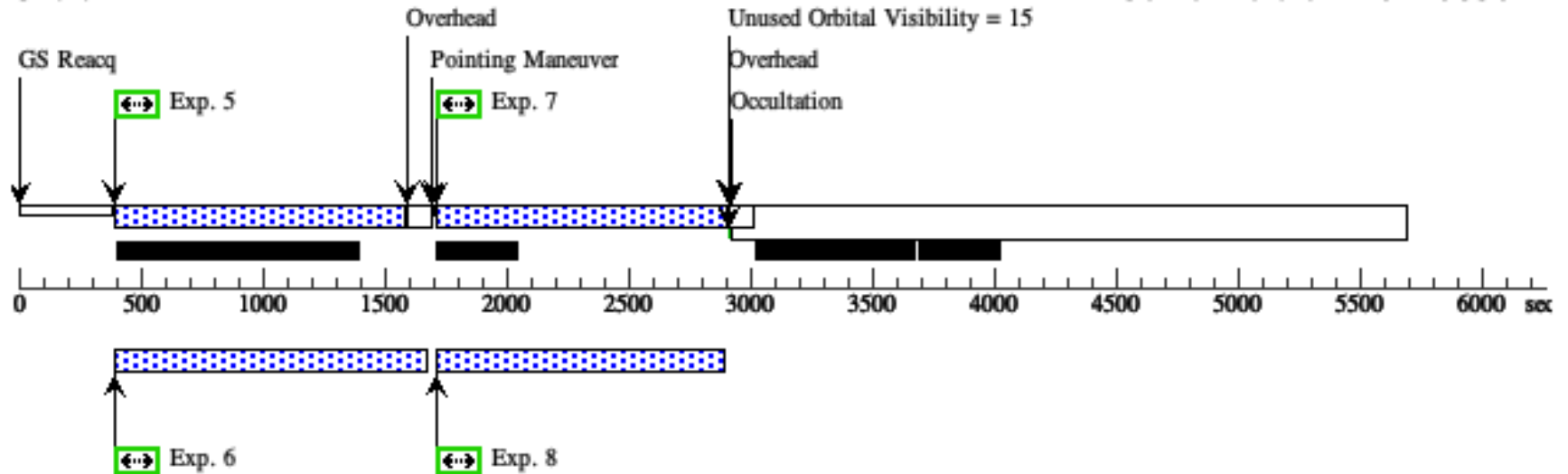
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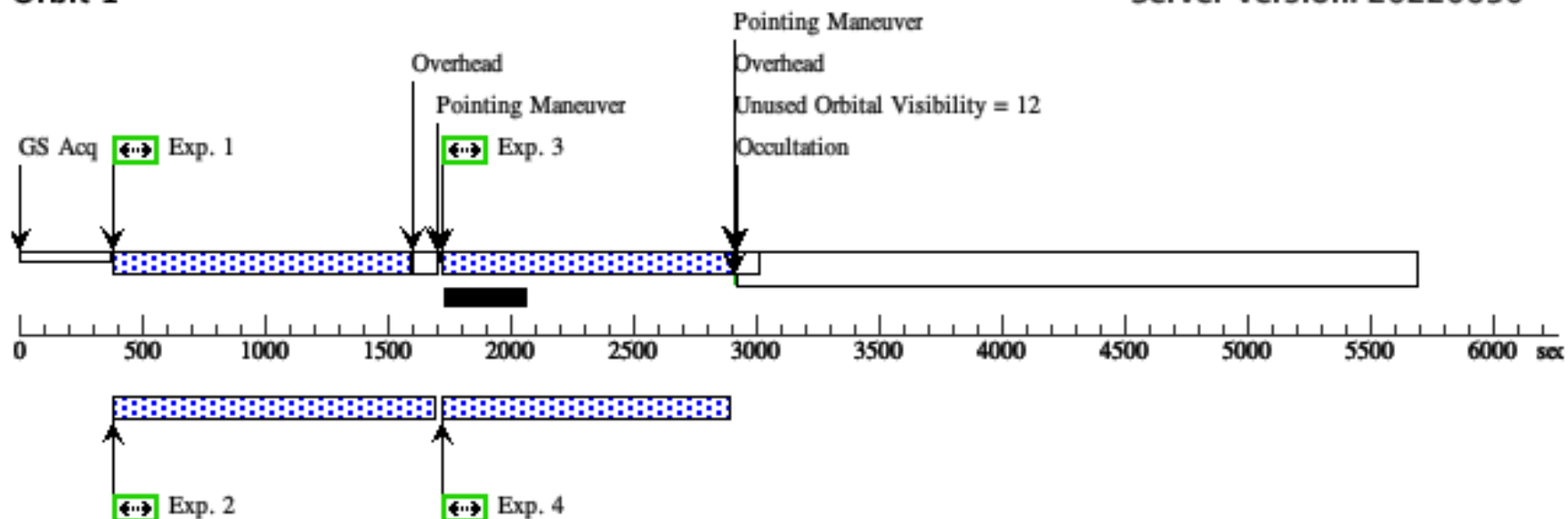


Proposal 15936 - ABELL-2744 WFC3/UVIS F200LP Primary (40) - Flashlights: Many Extremely Magnified Individual Stars as Probes ...

Visit	Proposal 15936, ABELL-2744 WFC3/UVIS F200LP Primary (40), implementation						Tue Dec 06 00:01:34 GMT 2022			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS, ACS/WFC									
	Special Requirements: SCHED 100%; SAME ORIENT AS 33									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(7)	ABELL-2744	RA: 00 14 21.2000 (3.5883333d) Dec: -30 23 50.10 (-30.39725d) Equinox: J2000			V=27	Reference Frame: ICRS			
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1067 34375,1.4613203125	Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (40)	1110 Secs (1180 Secs) [==>1180 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 1-2 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (40)	1109 Secs (1100 Secs) [==>1100 Secs]	[1]
	3		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.08198 437500000001,1.480 9765625	Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (40)	1210 Secs (1180 Secs) [==>1180 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 3-4 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (40)	1109 Secs (1050 Secs) [==>1050 Secs]	[1]
	5		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG -0.1220 4843750000001,-3.2 77409375	Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (40)	1185 Secs (1190 Secs) [==>1190 Secs]	[2]
	6		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 5-6 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (40)	1164 Secs (1160 Secs) [==>1160 Secs]	[2]
	7		(7) ABELL-2744	WFC3/UVIS, ACCUM, UVIS-CENTER	F200LP		POS TARG 0.11292 1875,-3.5642734375	Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (40)	1259 Secs (1190 Secs) [==>1190 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFCENTER	F814W			Prime + Parallel Gro up 7-8 in ABELL-27 44 WFC3/UVIS F20 0LP Primary (40)	1167 Secs (1060 Secs) [==>1060 Secs]	[2]

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