



17212 - Caught in the Act: The Hierarchical Formation of Abell 1185

Cycle: 30, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Michael J. West (PI) (Contact)	Lowell Observatory
Dr. Michael D. Gregg (CoI)	University of California - Davis
Dr. Roberto De Propris (CoI) (ESA Member)	University of Turku

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) ABELL-1185-F1 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:29.0	yes
02	(2) ABELL-1185-F2 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:31.0	yes
03	(3) ABELL-1185-F3 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:32.0	yes
04	(4) ABELL-1185-F4 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:34.0	yes
4A	(4) ABELL-1185-F4 ANY	ACS/WFC WFC3/UVIS	1	05-Jul-2024 09:00:35.0	yes
4B	(4) ABELL-1185-F4 ANY	ACS/WFC WFC3/UVIS	1	05-Jul-2024 09:00:36.0	yes

Proposal 17212 (STScI Edit Number: 10, Created: Friday, July 5, 2024 at 8:00:53 AM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
05	(5) ABELL-1185-F5 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:37.0	yes
06	(6) ABELL-1185-F6 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:39.0	yes
07	(7) ABELL-1185-F7 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:41.0	yes
7A	(7) ABELL-1185-F7 ANY	ACS/WFC WFC3/UVIS	1	05-Jul-2024 09:00:41.0	yes
7B	(7) ABELL-1185-F7 ANY	ACS/WFC WFC3/UVIS	1	05-Jul-2024 09:00:42.0	yes
08	(8) ABELL-1185-F8 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:43.0	yes
09	(9) ABELL-1185-F9 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:45.0	yes
10	(10) ABELL-1185-F10 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:47.0	yes
11	(11) ABELL-1185-F11 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:48.0	yes
12	(12) ABELL-1185-F12 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:50.0	yes
13	(13) ABELL-1185-F13 ANY	ACS/WFC WFC3/UVIS	3	05-Jul-2024 09:00:52.0	yes

43 Total Orbits Used

ABSTRACT

Abell 1185 is a nearby example of a rich galaxy cluster still undergoing violent hierarchical assembly. Its brightest member galaxy, NGC 3550, is offset by 150 kpc from the cluster's dynamical center and is in the throes of cannibalizing several neighbors. Abell 1185 is also home to a population of intergalactic globular clusters, as well as the interacting system Arp 105, a spectacular collision between two galaxies that has spawned a compact

region of intense star formation known as Ambartsumian's Knot as well as a 100-kpc-long tidal tail with embedded star clusters and newborn dwarf galaxies. Abell 1185 offers a unique opportunity to witness the ongoing birth of a dynamically young cluster and its constituents, a present-day analog to cluster formation at earlier epochs. We propose to carry out a comprehensive WFC3+ACS imaging survey of A1185 to learn more about the ongoing creation of galactic and intergalactic stellar populations in this dynamic environment. The resulting dataset will be of comparable legacy value to the ACS Treasury Survey of the Coma Cluster (GO 10861) for a fraction of the investment of time, providing a snapshot of a rich cluster environment that represents an important earlier stage in galaxy cluster evolution.

OBSERVING DESCRIPTION

Field Selection: The WFC3/UVIS and ACS/WFC cameras will be used in Coordinated Parallel mode to mosaic the main body of A1185, covering a large contiguous area with 12 pointings. These fields include all of A1185's brightest galaxies as well as Arp 105 and the diffuse intracluster populations in the central regions. While WFC3 is our primary instrument, the ACS parallel fields are also an essential component of this program because they sample the southern regions of the cluster, effectively doubling our sky coverage at no additional cost. Together, they survey the inner 0.5 Mpc, sampling a wide range of local environments and mapping the distribution of intergalactic globular clusters including any substructure. Combining the primary WFC3 fields with parallel ACS fields allows the cluster to be mapped efficiently.

Exposure Times and Filters: These observations aim to reach the peak of the globular cluster luminosity function, allowing the brightest half of the globular cluster population in A1185 to be detected. This requires detecting point sources to $V = 28.3$ mag. The F475X and F600LP filters will be used for the primary WFC3 observations, as they provide an excellent wavelength baseline for reliable color/metallicity determination will reach the desired faint magnitudes as efficiently as possible to detect faint globular clusters at the distance of A1185. For WFC3/UVIS, F475X provides extra throughput and depth compared to F475W and has been used successfully for other extragalactic globular cluster programs, while the longpass F600LP filter is near the peak of the WFC3/UVIS efficiency curve and hence goes deep quickly. These filters are readily transformed to standard bands, allowing a straightforward comparison of the WFC3 results to the ACS fields, and to other programs, such as the Coma Treasury Survey. For the ACS parallel fields, the choice of F475W and F814W filters maximizes depth and wavelength coverage and are among the most common filters used for studies of extragalactic globular cluster systems, which facilitates comparison with previous results. These filters are also well matched to available archived images, such as the Hubble Frontier Fields parallel "blank" fields, which can be used to empirically determine the expected contamination from background sources, which is especially useful for quantifying A1185's intergalactic globular cluster population. These filter choices ensure that the WFC3/UVIS and ACS/WFC observations will reach comparable depths. The small overlap between the WFC3 and ACS fields allows robust empirical color transformations to be derived between these filter combinations. Using the WFC3/UVIS Exposure Time

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Calculator and assuming a typical globular cluster spectral energy distribution, a total integration time of 4155 sec will detect point sources down to $V = 28.3$ with $S/N \sim 6.2$ for the F475X filter, and 3190 sec with F600LP will yield $S/N \sim 6.4$, adequate for reliable separation of resolved and unresolved objects and with photometric errors that are small compared to the expected width of the globular cluster luminosity. This requires three orbits per field and hence a total of 39 orbits to observe the 13 primary and 13 coordinated parallel fields. A six-step dither pattern will be used to optimize drizzling reductions. For the parallel ACS/WFC observations, two orbits with F475W will detect globular clusters at $V = 28.3$ with $S/N \sim 4.0$, while one orbit with the F814W filter will have $S/N \sim 4.7$.

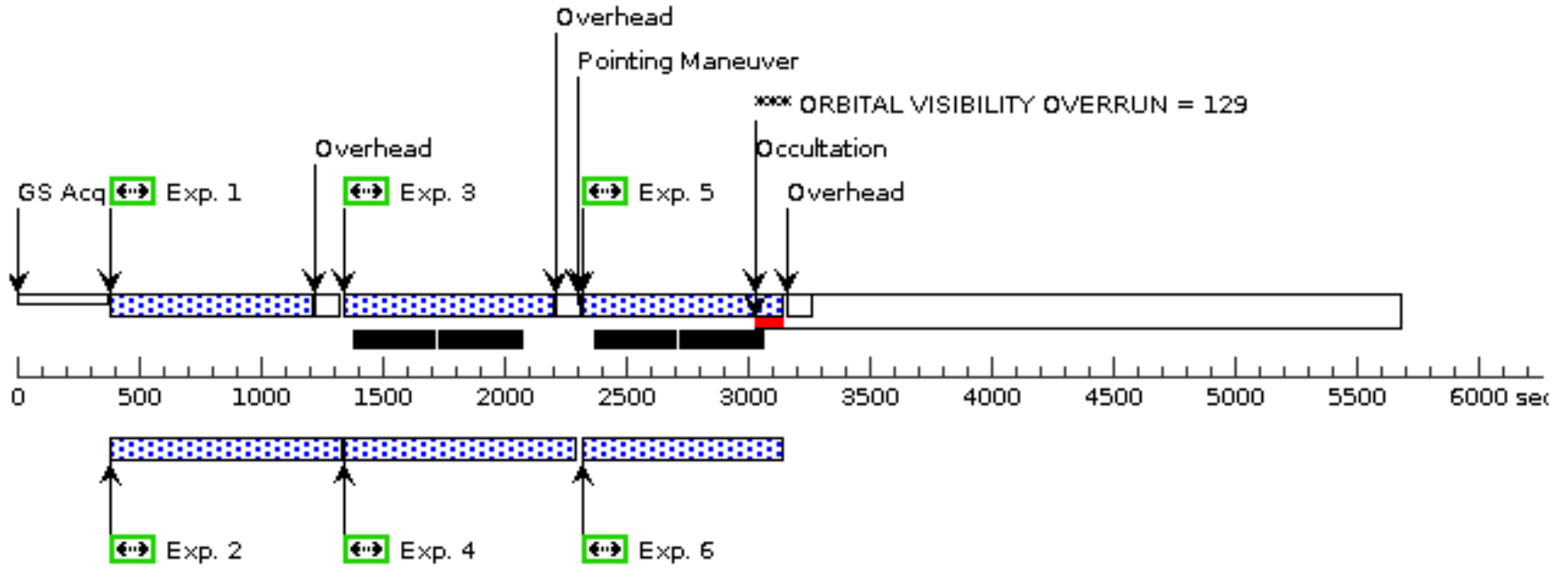
Proposal 17212 - Visit 01 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	<p>Proposal 17212, Visit 01, completed Fri Jul 05 13:00:53 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 282D TO 296 D</p>																						
	Diagnostics	<p>(Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>																					
Fixed Targets		<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td data-bbox="142 428 2007 521">(1)</td> <td data-bbox="254 428 401 451">ABELL-1185-F1</td> <td data-bbox="485 428 793 516"> RA: 11 11 14.7223 (167.8113429d) Dec: +28 42 3.39 (28.70094d) Equinox: J2000 </td> <td></td> <td data-bbox="1325 428 1451 451">V=28.3+/-0.25</td> <td data-bbox="1619 428 1822 451">Reference Frame: ICRS</td> </tr> <tr> <td colspan="6" data-bbox="142 526 2007 605"> <i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES </td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	ABELL-1185-F1	RA: 11 11 14.7223 (167.8113429d) Dec: +28 42 3.39 (28.70094d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES								
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(1)	ABELL-1185-F1	RA: 11 11 14.7223 (167.8113429d) Dec: +28 42 3.39 (28.70094d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																		
<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES																							

Proposal 17212 - Visit 01 - Caught in the Act: The Hierarchical Formation of Abell 1185

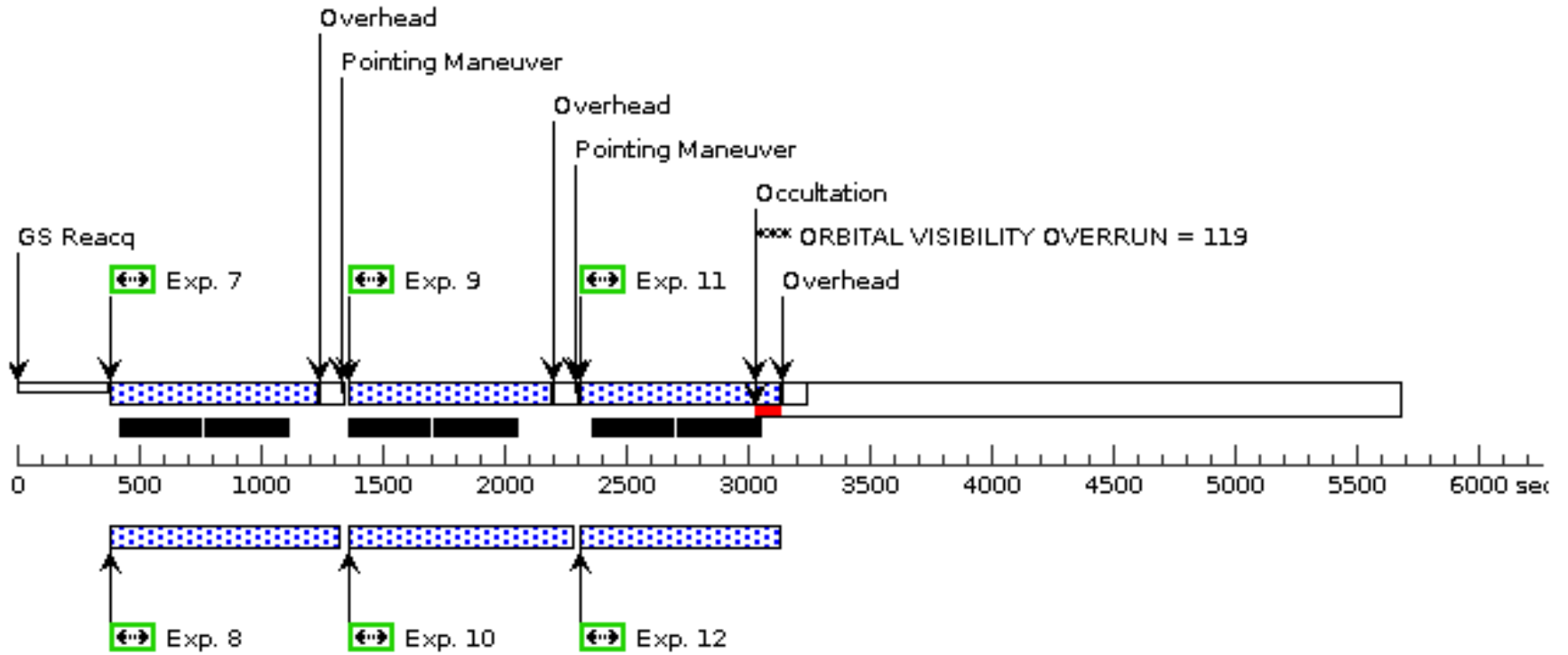
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Exposures	1	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 01	800 Secs (800 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 01	740 Secs (740 Secs)	[1]	
	3	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 01	835 Secs (835 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 01	785 Secs (785 Secs)	[1]	
	5	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 01	800 Secs (800 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 01	655 Secs (655 Secs)	[1]	
	7	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 01	830 Secs (830 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 01	780 Secs (780 Secs)	[2]	
	9	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 01	830 Secs (830 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 01	795 Secs (795 Secs)	[2]	
	11	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 01	795 Secs (795 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 01	655 Secs (655 Secs)	[2]	
	13	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 01	830 Secs (830 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 01	780 Secs (780 Secs)	[3]	
	15	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 01	830 Secs (830 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 01	820 Secs (820 Secs)	[3]	
	17	(1) ABELL-1185-F1	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 01	795 Secs (795 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 01	655 Secs (655 Secs)	[3]	

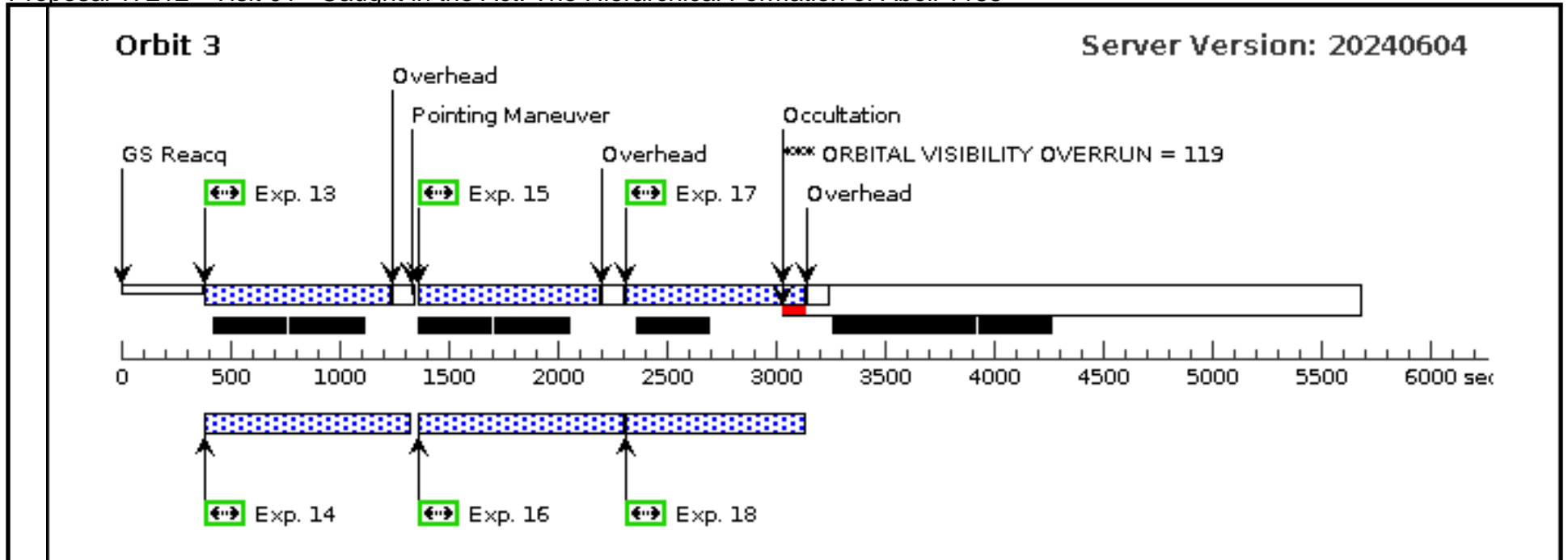
Orbit 1



Orbit Structure

Orbit 2





Proposal 17212 - Visit 02 - Caught in the Act: The Hierarchical Formation of Abell 1185

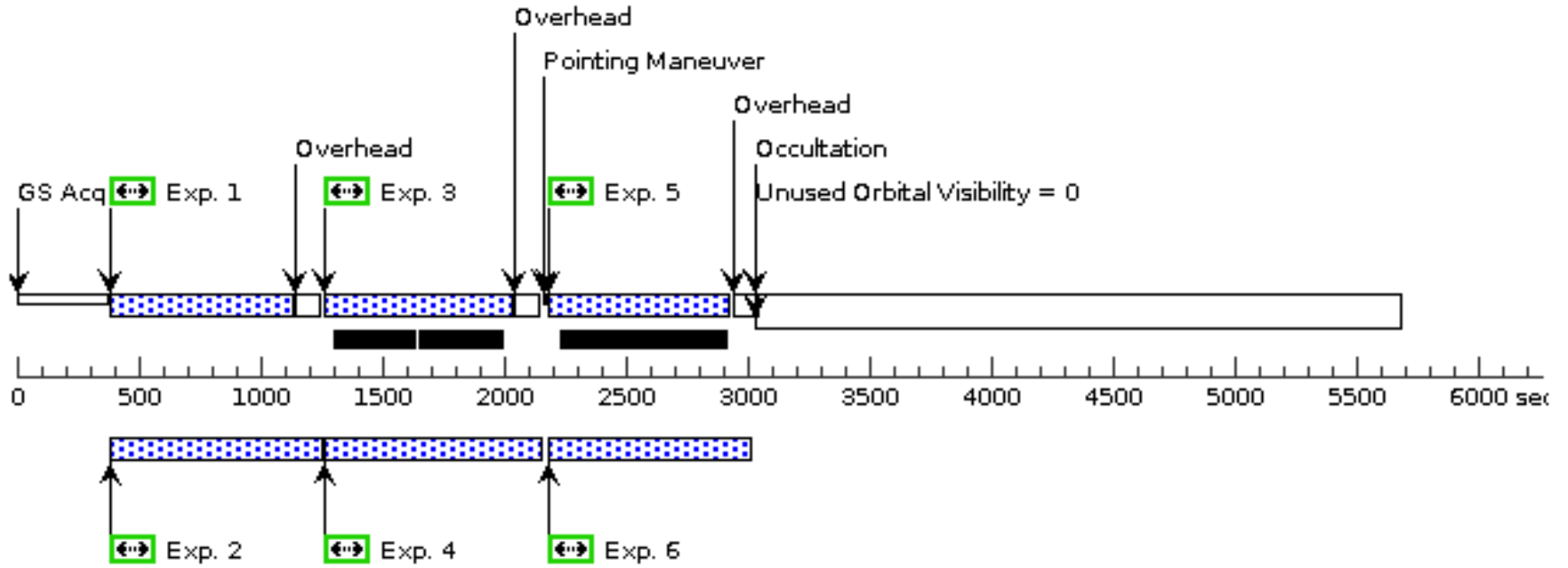
Fri Jul 05 13:00:53 GMT 2024

Visit	Proposal 17212, Visit 02, pi Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 288D TO 290 D					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(2)		ABELL-1185-F2	RA: 11 11 12.8173 (167.8034054d) Dec: +28 44 44.35 (28.74565d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS
<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES						

Proposal 17212 - Visit 02 - Caught in the Act: The Hierarchical Formation of Abell 1185

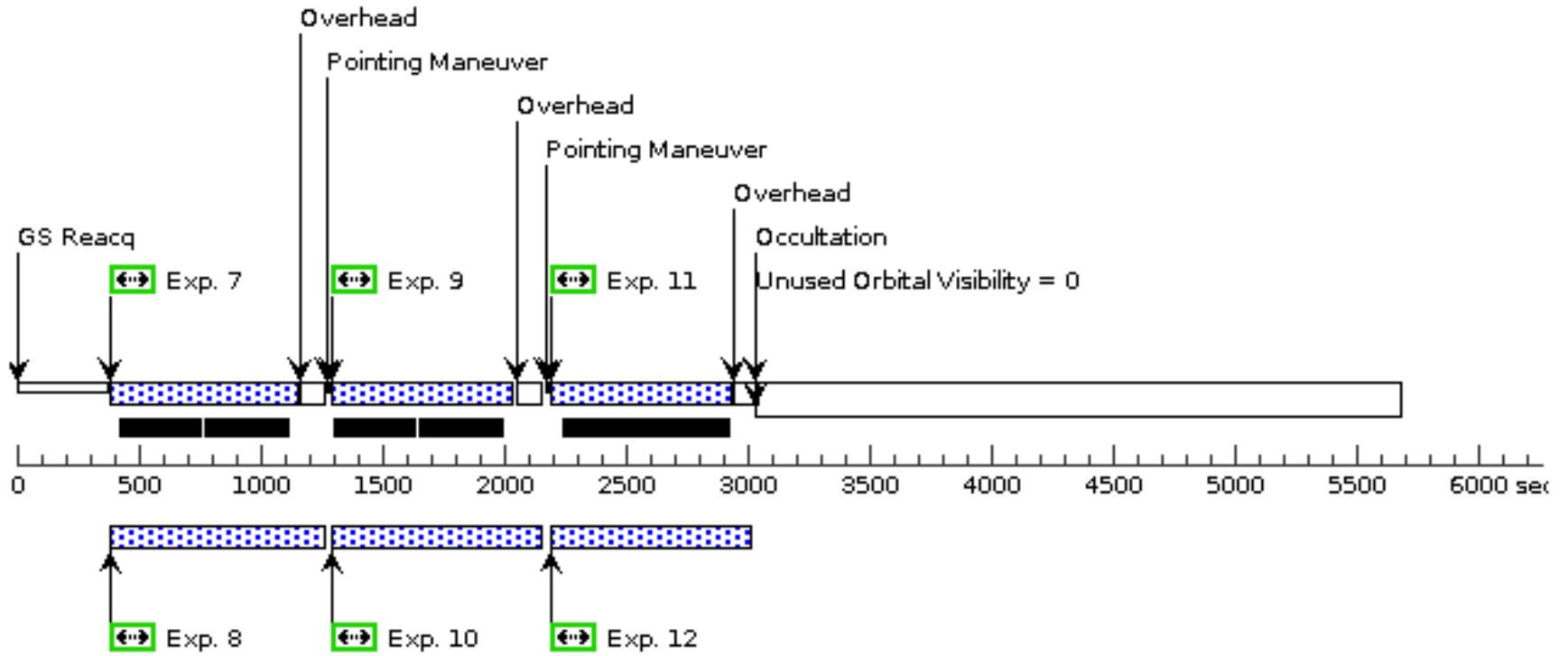
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 02	720 Secs (720 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 02	740 Secs (660 Secs) [==>660.0 Secs]	[1]
	3		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 02	751 Secs (751 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 02	785 Secs (724 Secs) [==>724.0 Secs]	[1]
	5		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 02	720 Secs (720 Secs) [==>]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 02	655 Secs (670 Secs) [==>670.0 Secs]	[1]
	7		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 02	747 Secs (747 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 02	780 Secs (720 Secs) [==>720.0 Secs]	[2]
	9		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 02	747 Secs (747 Secs) [==>]	[2]
	10		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 02	795 Secs (737 Secs) [==>737.0 Secs]	[2]
	11		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 02	715 Secs (715 Secs) [==>]	[2]
	12		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 02	655 Secs (660 Secs) [==>660.0 Secs]	[2]
	13		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 02	747 Secs (747 Secs) [==>747.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 02	780 Secs (720 Secs) [==>720.0 Secs]	[3]
	15		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 02	747 Secs (747 Secs) [==>747.0 Secs]	[3]
	16		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 02	820 Secs (737 Secs) [==>737.0 Secs]	[3]
	17		(2) ABELL-1185-F2	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 02	711 Secs (711 Secs) [==>711.0 Secs]	[3]
18		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 02	655 Secs (679 Secs) [==>679.0 Secs]	[3]	

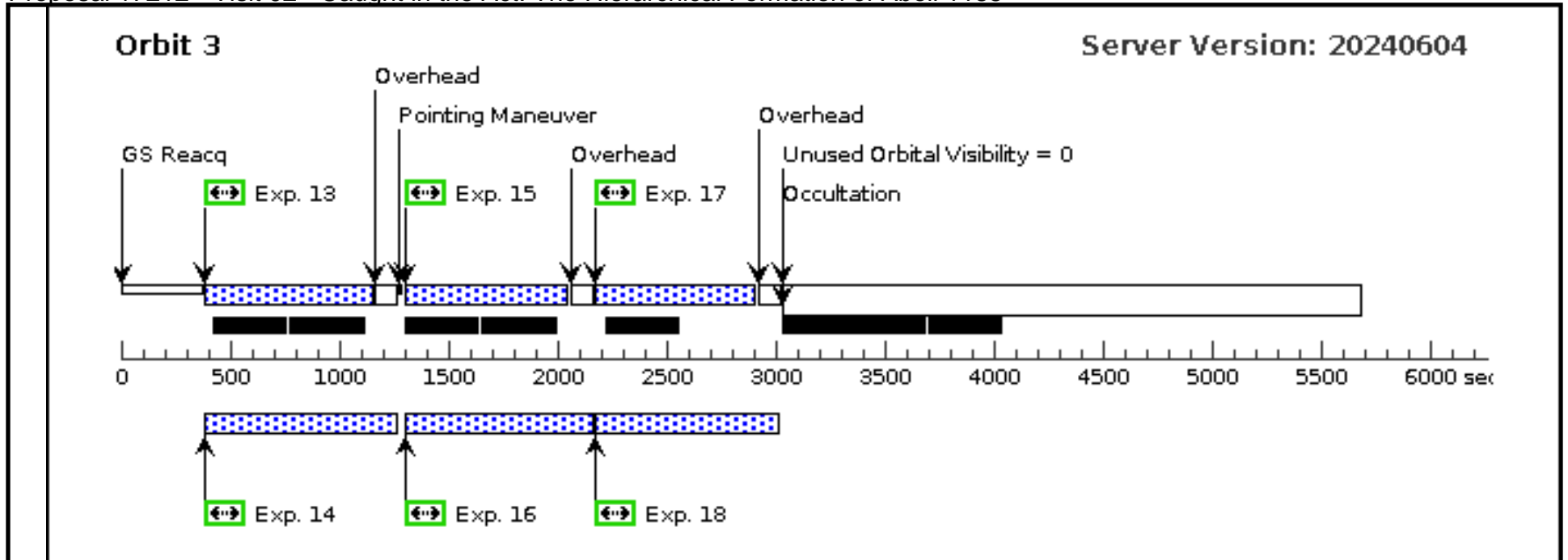
Orbit 1



Orbit Structure

Orbit 2





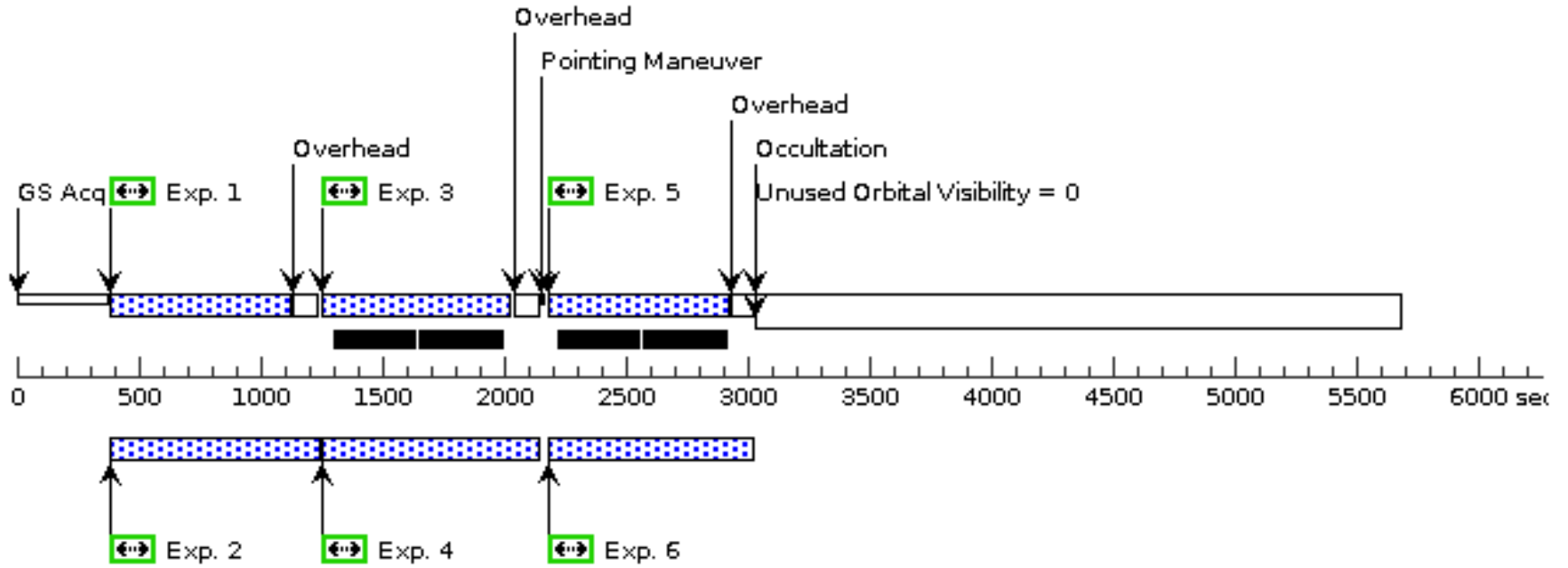
Proposal 17212 - Visit 03 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	Proposal 17212, Visit 03, pi Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 290D TO 290 D					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(3)		ABELL-1185-F3	RA: 11 11 1.7487 (167.7572862d) Dec: +28 43 47.70 (28.72992d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS
	<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES					

Proposal 17212 - Visit 03 - Caught in the Act: The Hierarchical Formation of Abell 1185

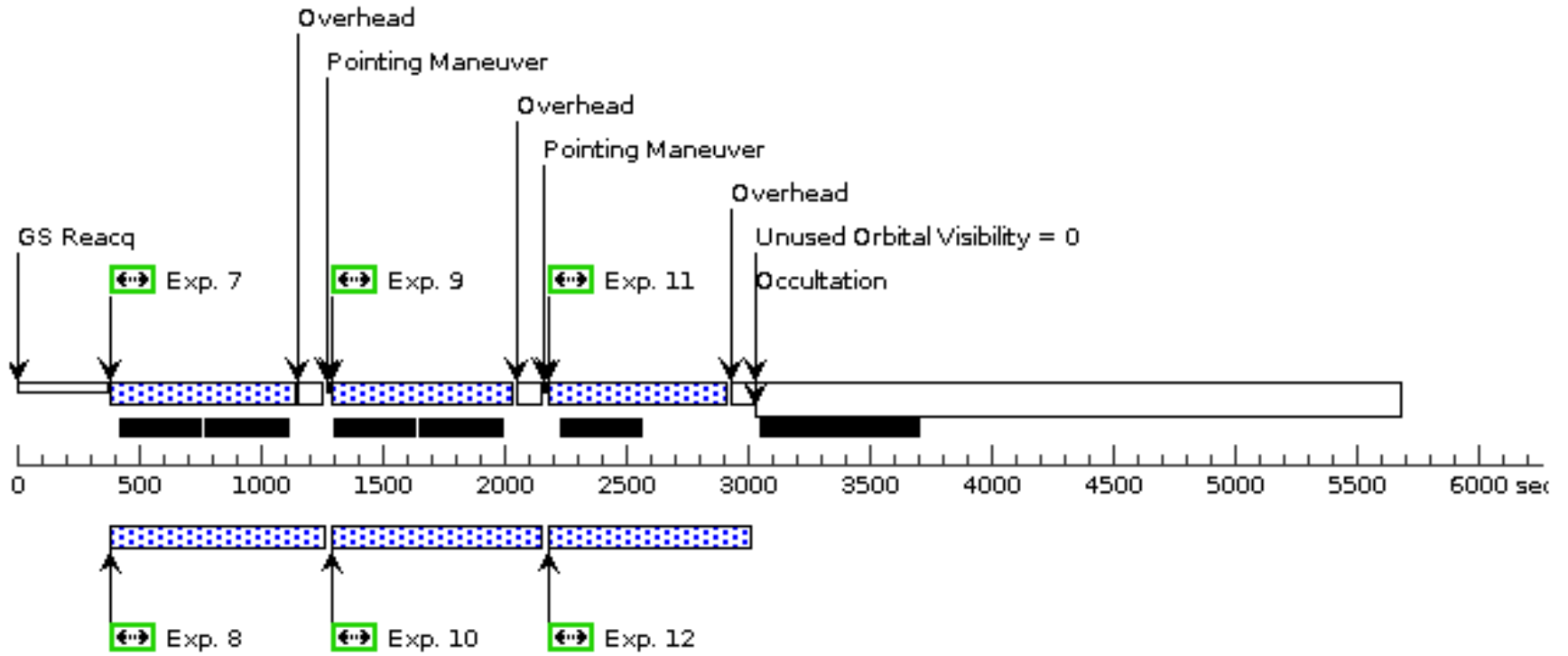
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 03	715 Secs (715 Secs) [=>715.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 03	740 Secs (655 Secs) [=>655.0 Secs]	[1]
	3		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 03	752 Secs (752 Secs) [=>752.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 03	785 Secs (725 Secs) [=>725.0 Secs]	[1]
	5		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 03	720 Secs (720 Secs) [=>720.0 Secs]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 03	655 Secs (674 Secs) [=>674.0 Secs]	[1]
	7		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 03	747 Secs (744 Secs) [=>744.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 03	780 Secs (717 Secs) [=>717.0 Secs]	[2]
	9		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 03	747 Secs (744 Secs) [=>744.0 Secs]	[2]
	10		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 03	795 Secs (734 Secs) [=>734.0 Secs]	[2]
	11		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 03	715 Secs (712 Secs) [=>712.0 Secs]	[2]
	12		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 03	655 Secs (666 Secs) [=>666.0 Secs]	[2]
	13		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 03	747 Secs (747 Secs) [=>747.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 03	780 Secs (720 Secs) [=>720.0 Secs]	[3]
	15		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 03	747 Secs (747 Secs) [=>747.0 Secs]	[3]
	16		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 03	820 Secs (737 Secs) [=>737.0 Secs]	[3]
	17		(3) ABELL-1185-F3	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 03	715 Secs (715 Secs) [=>715.0 Secs]	[3]
18		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 03	655 Secs (679 Secs) [=>679.0 Secs]	[3]	

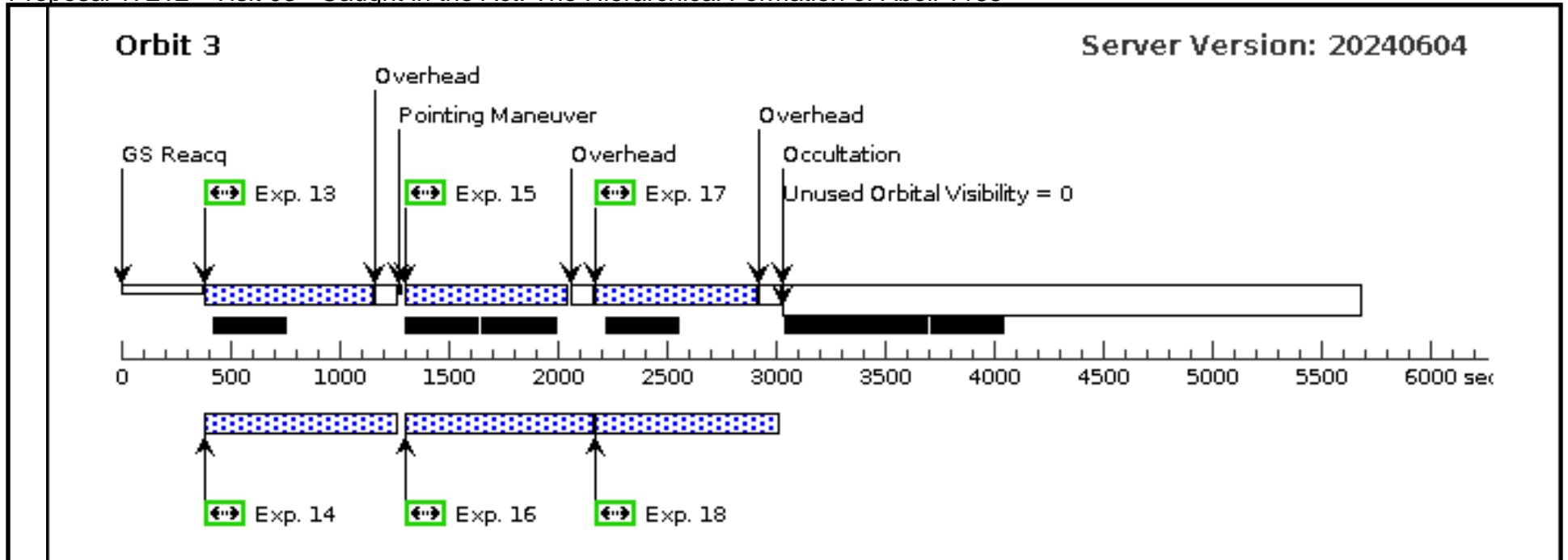
Orbit 1



Orbit Structure

Orbit 2





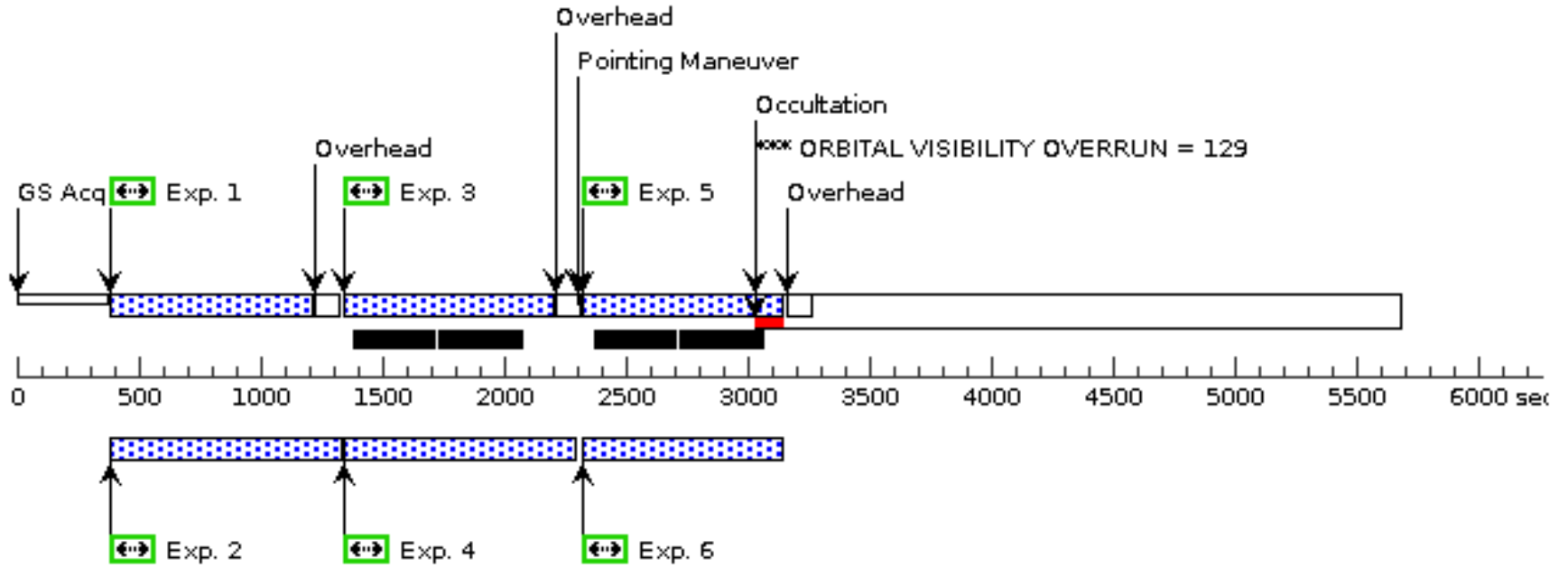
Proposal 17212 - Visit 04 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	Proposal 17212, Visit 04, failed Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 141.5D TO 141.5 D																						
	Diagnostics	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																					
Fixed Targets		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 25%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 10%;">Fluxes</th> <th style="width: 20%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>ABELL-1185-F4</td> <td> RA: 11 10 51.8175 (167.7159062d) Dec: +28 42 57.20 (28.71589d) Equinox: J2000 </td> <td></td> <td>V=28.3+/-0.25</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES </td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	ABELL-1185-F4	RA: 11 10 51.8175 (167.7159062d) Dec: +28 42 57.20 (28.71589d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES				
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(4)	ABELL-1185-F4	RA: 11 10 51.8175 (167.7159062d) Dec: +28 42 57.20 (28.71589d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																		
<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES																							

Proposal 17212 - Visit 04 - Caught in the Act: The Hierarchical Formation of Abell 1185

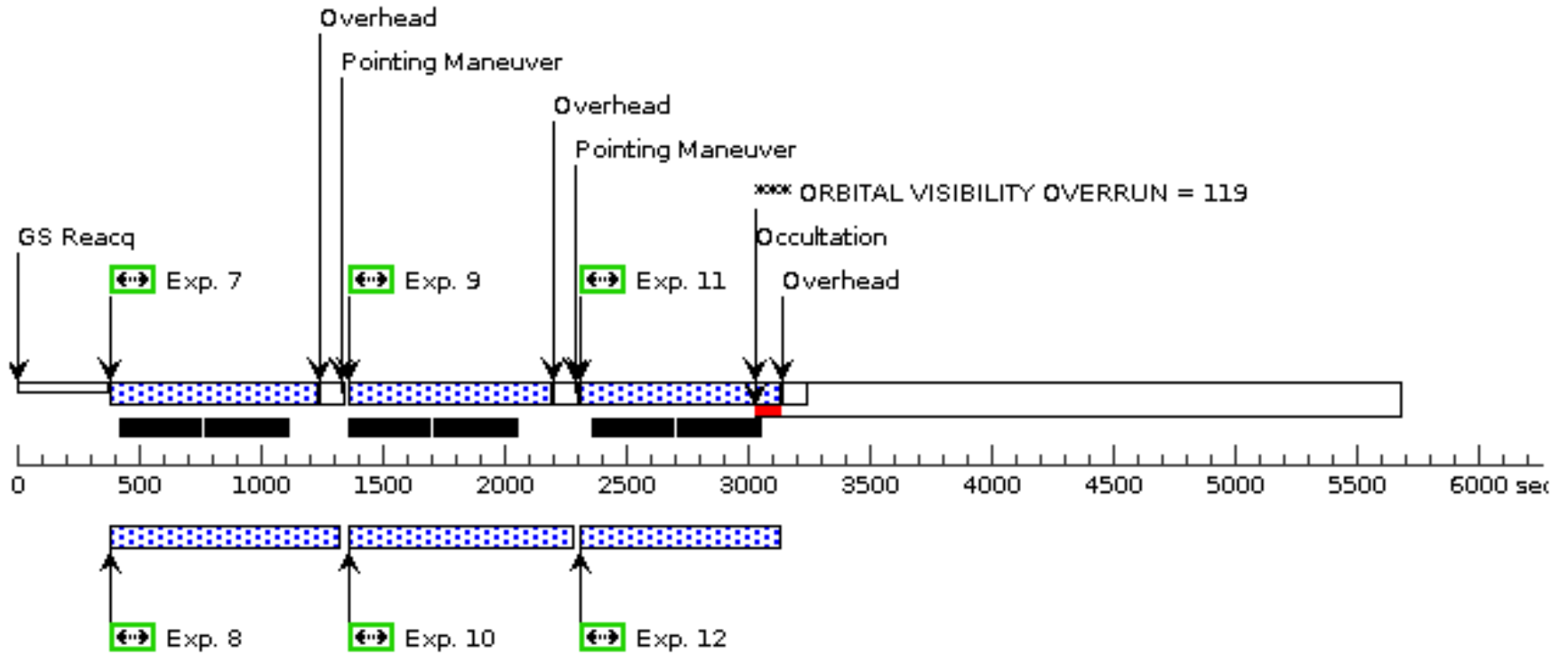
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Exposures	1	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 04	800 Secs (800 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 04	740 Secs (740 Secs)	[1]	
	3	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 04	835 Secs (835 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 04	785 Secs (785 Secs)	[1]	
	5	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 04	800 Secs (800 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 04	655 Secs (655 Secs)	[1]	
	7	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 04	830 Secs (830 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 04	780 Secs (780 Secs)	[2]	
	9	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 04	830 Secs (830 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 04	795 Secs (795 Secs)	[2]	
	11	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 04	795 Secs (795 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 04	655 Secs (655 Secs)	[2]	
	13	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 04	830 Secs (830 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 04	780 Secs (780 Secs)	[3]	
	15	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 04	830 Secs (830 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 04	820 Secs (820 Secs)	[3]	
	17	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 04	795 Secs (795 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 04	655 Secs (655 Secs)	[3]	

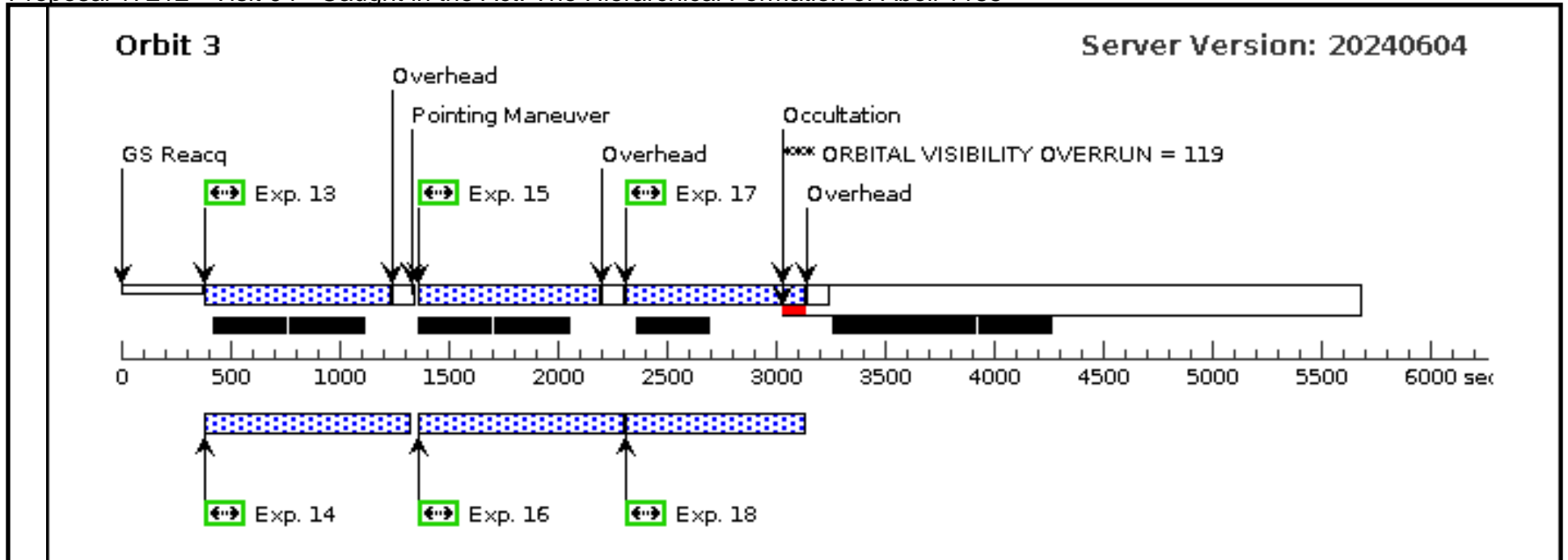
Orbit 1



Orbit Structure

Orbit 2

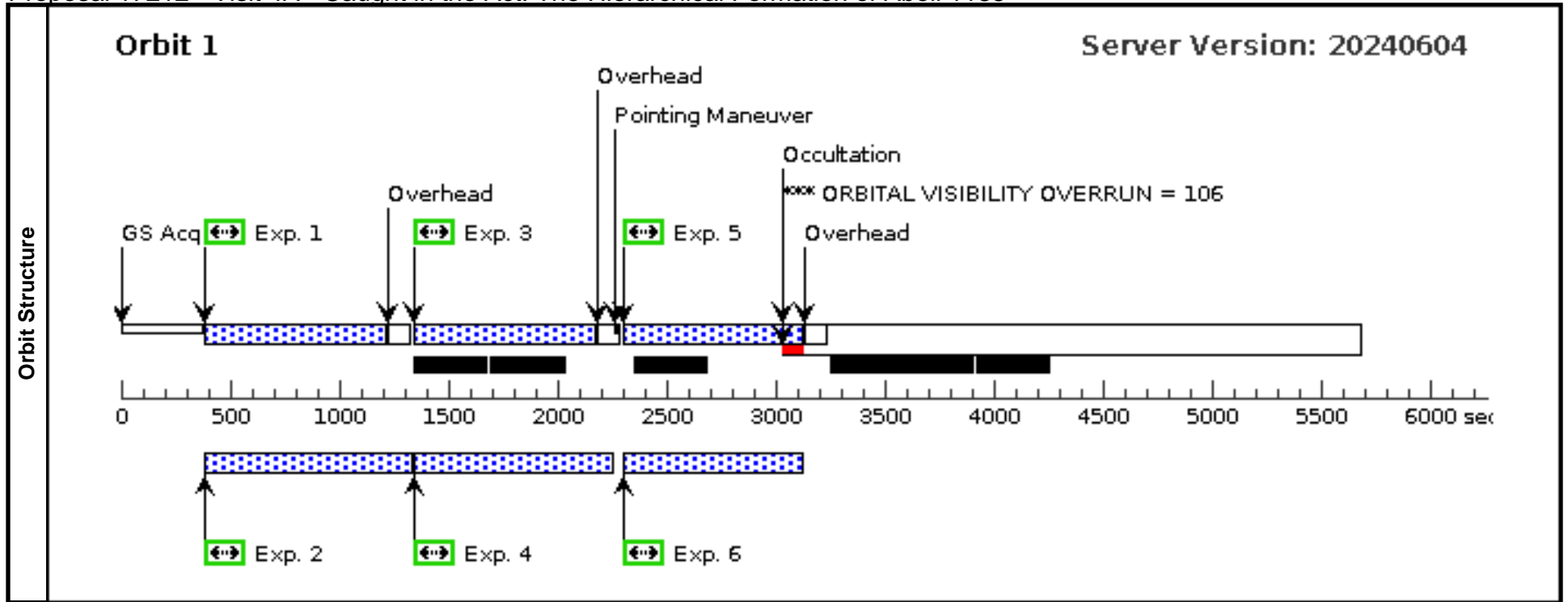




Proposal 17212 - Visit 4A - Caught in the Act: The Hierarchical Formation of Abell 1185

Fri Jul 05 13:00:54 GMT 2024

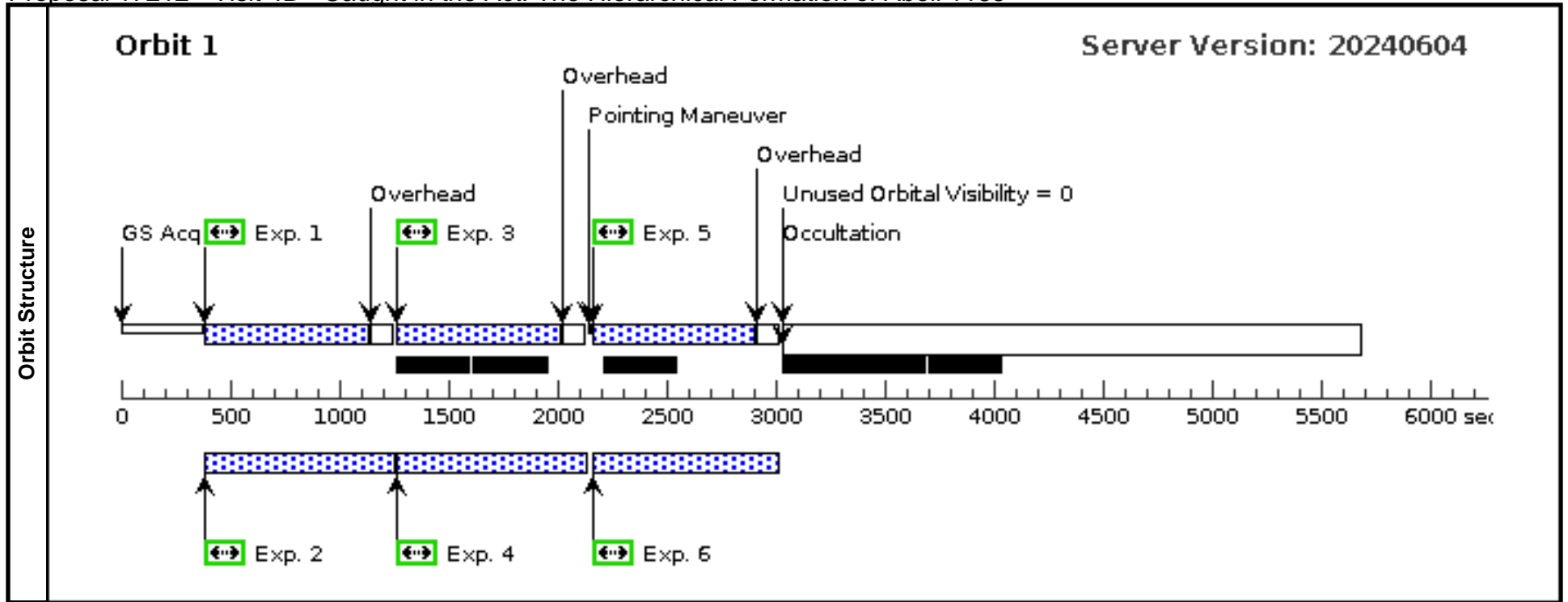
Visit	Proposal 17212, Visit 4A, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 139.5D TO 141.5 D Comments: HOPR copy of visit 04										
	(Visit 4A) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(4)	ABELL-1185-F4	RA: 11 10 51.8175 (167.7159062d) Dec: +28 42 57.20 (28.71589d) Equinox: J2000				V=28.3+/-0.25	Reference Frame: ICRS			
Comments: Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 4A	800 Secs (800 Secs)		
									[==>]		[1]
	2		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 1-2 in Visit 4A	740 Secs (740 Secs)		
									[==>]		[1]
	3		(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 4A	835 Secs (835 Secs)		
									[==>]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 4A	785 Secs (785 Secs)		
								[==>]		[1]	
5		(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 4A	800 Secs (800 Secs)			
								[==>]		[1]	
6		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 4A	655 Secs (655 Secs)			
								[==>]		[1]	



Proposal 17212 - Visit 4B - Caught in the Act: The Hierarchical Formation of Abell 1185

Fri Jul 05 13:00:54 GMT 2024

Visit	Proposal 17212, Visit 4B, pi Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 135D TO 145 D Comments: HOPR copy of visit 4A.																											
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>ABELL-1185-F4</td> <td>RA: 11 10 51.8175 (167.7159062d) Dec: +28 42 57.20 (28.71589d) Equinox: J2000</td> <td></td> <td>V=28.3+/-0.25</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> Comments: Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	ABELL-1185-F4	RA: 11 10 51.8175 (167.7159062d) Dec: +28 42 57.20 (28.71589d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	Comments: Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES				
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																							
(4)	ABELL-1185-F4	RA: 11 10 51.8175 (167.7159062d) Dec: +28 42 57.20 (28.71589d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																							
Comments: Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES																												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																		
	1	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 4B	720 Secs (720 Secs) [=>720.0 Secs]	[1]																			
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 1-2 in Visit 4B	740 Secs (660 Secs) [=>660.0 Secs]	[1]																			
	3	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 4B	752 Secs (752 Secs) [=>752.0 Secs]	[1]																			
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 4B	785 Secs (742 Secs) [=>742.0 Secs]	[1]																			
	5	(4) ABELL-1185-F4	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 4B	720 Secs (720 Secs) [=>720.0 Secs]	[1]																			
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 4B	655 Secs (692 Secs) [=>692.0 Secs]	[1]																			



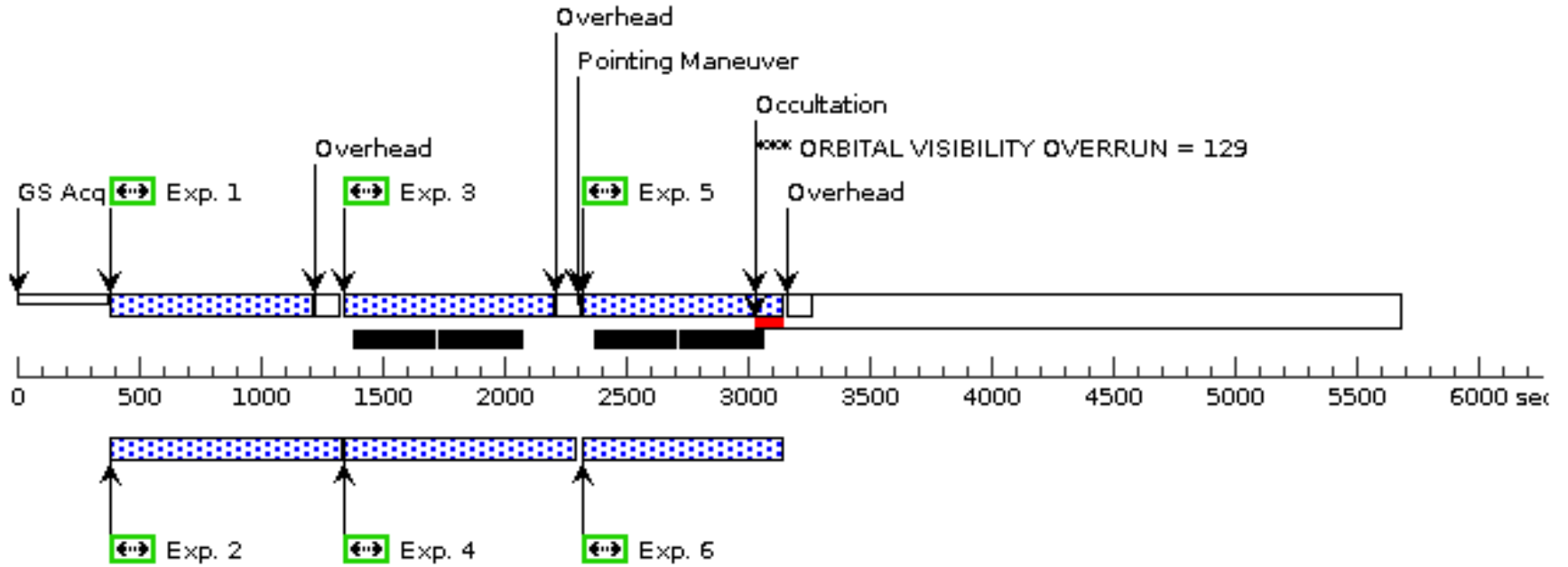
Proposal 17212 - Visit 05 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	Proposal 17212, Visit 05, completed Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 290.0D TO 290.0 D																						
	Diagnostics	(Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																					
Fixed Targets		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 30%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 10%;">Fluxes</th> <th style="width: 15%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>ABELL-1185-F5</td> <td> RA: 11 10 42.6146 (167.6775608d) Dec: +28 42 8.68 (28.70241d) Equinox: J2000 </td> <td></td> <td>V=28.3+/-0.25</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES </td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(5)	ABELL-1185-F5	RA: 11 10 42.6146 (167.6775608d) Dec: +28 42 8.68 (28.70241d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES				
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(5)	ABELL-1185-F5	RA: 11 10 42.6146 (167.6775608d) Dec: +28 42 8.68 (28.70241d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																		
<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES																							

Proposal 17212 - Visit 05 - Caught in the Act: The Hierarchical Formation of Abell 1185

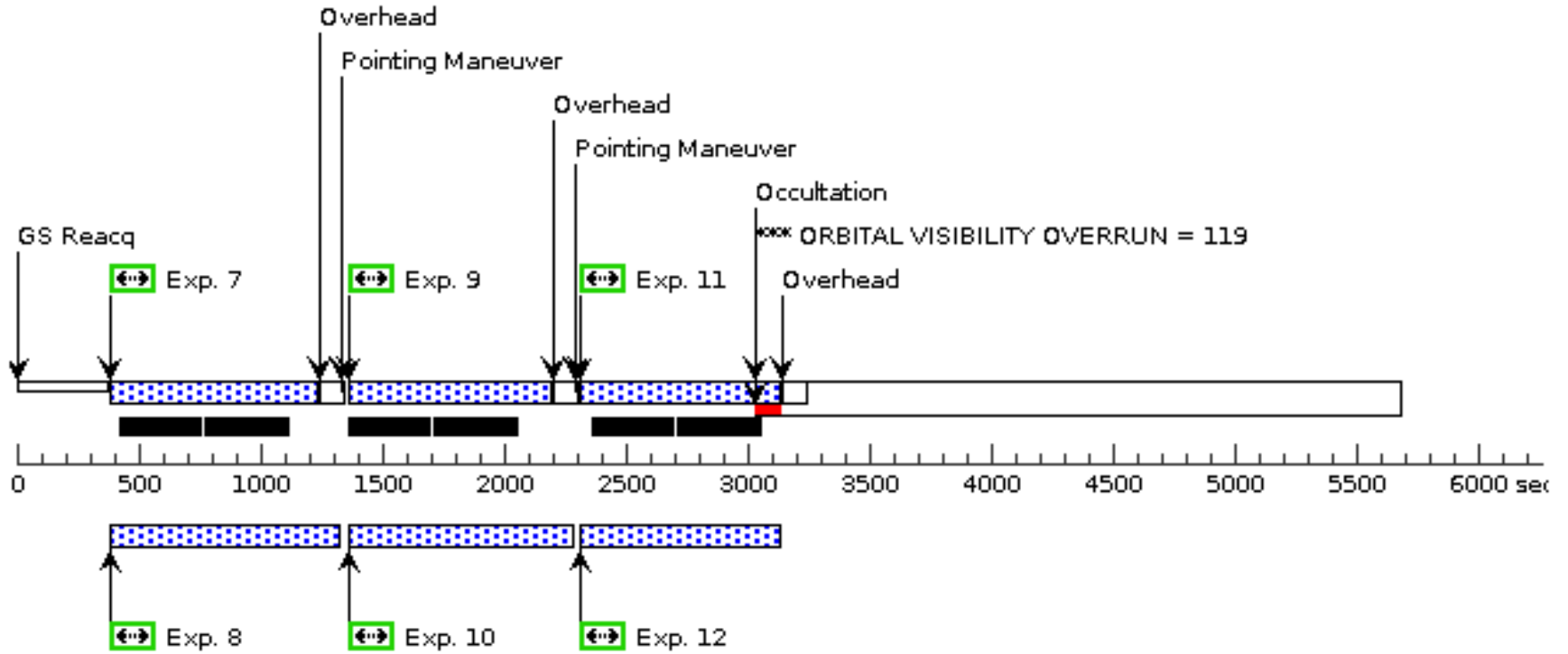
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	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 05	740 Secs (740 Secs)	[1]	
	3	(5) ABELL-1185-F5	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 05	835 Secs (835 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 05	785 Secs (785 Secs)	[1]	
	5	(5) ABELL-1185-F5	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 05	800 Secs (800 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 05	655 Secs (655 Secs)	[1]	
	7	(5) ABELL-1185-F5	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 05	830 Secs (830 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 05	780 Secs (780 Secs)	[2]	
	9	(5) ABELL-1185-F5	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 05	830 Secs (830 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 05	795 Secs (795 Secs)	[2]	
	11	(5) ABELL-1185-F5	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 05	795 Secs (795 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 05	655 Secs (655 Secs)	[2]	
	13	(5) ABELL-1185-F5	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 05	830 Secs (830 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 05	780 Secs (780 Secs)	[3]	
	15	(5) ABELL-1185-F5	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 05	830 Secs (830 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 05	820 Secs (820 Secs)	[3]	
	17	(5) ABELL-1185-F5	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 05	795 Secs (795 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 05	655 Secs (655 Secs)	[3]	

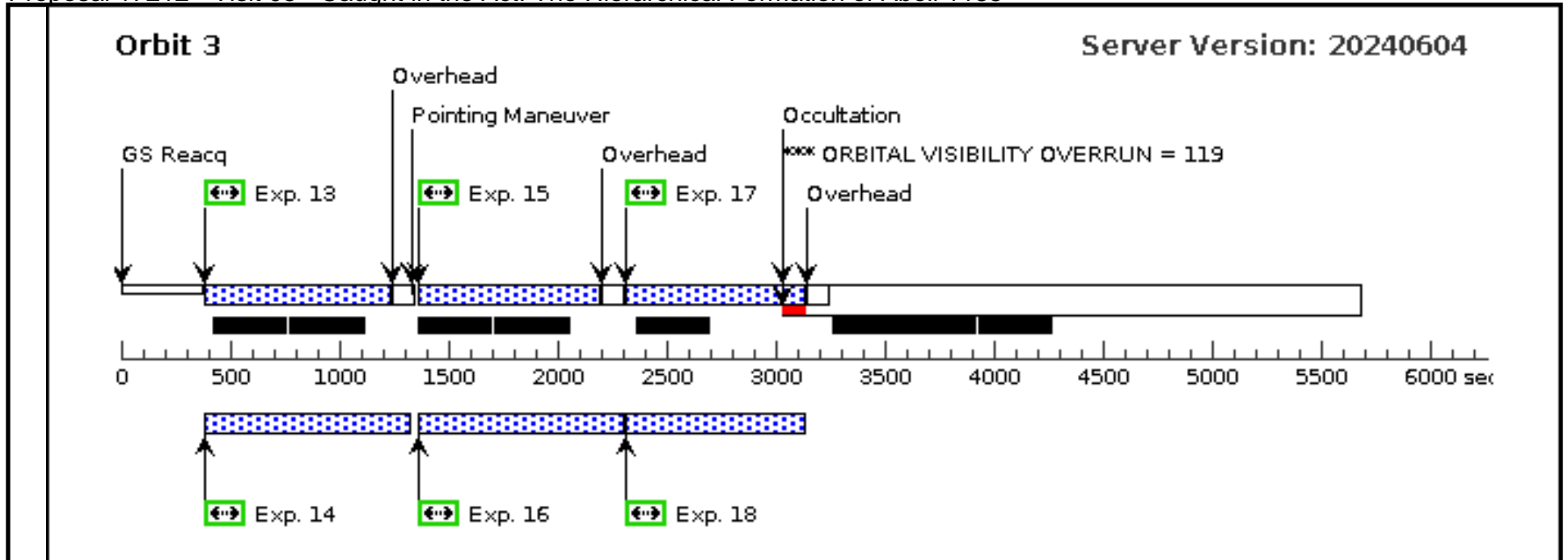
Orbit 1



Orbit Structure

Orbit 2





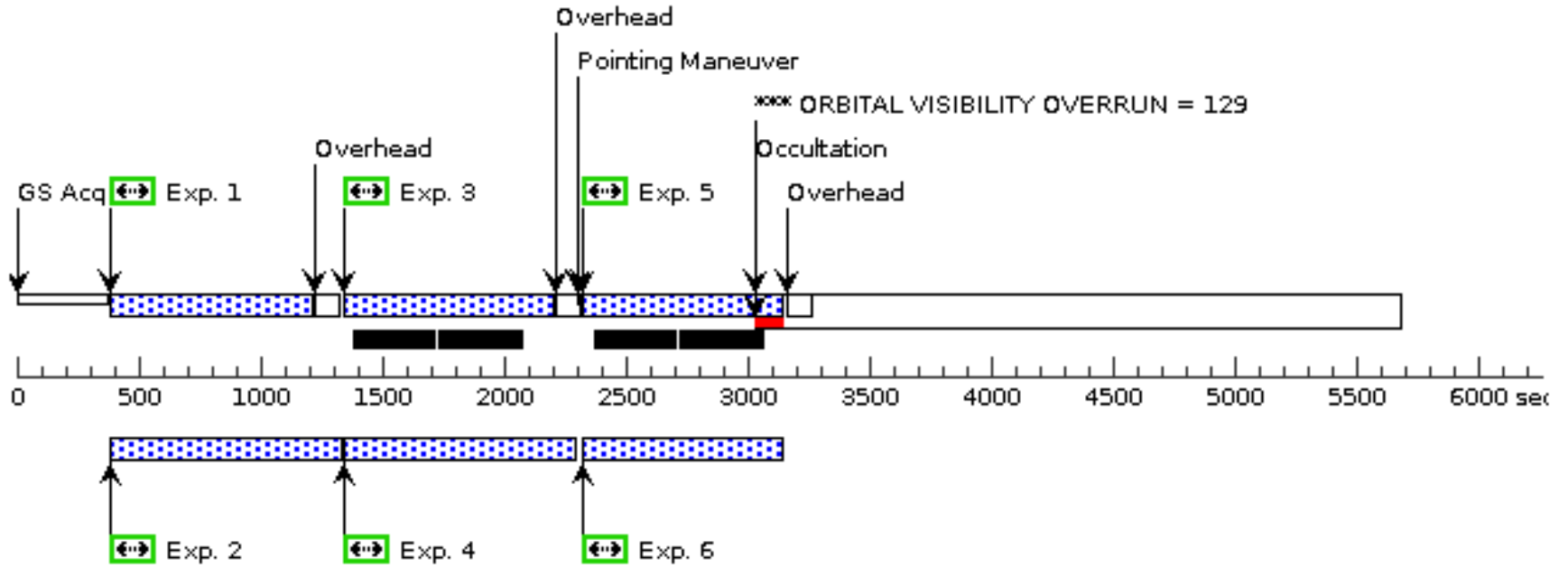
Proposal 17212 - Visit 06 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	<p>Proposal 17212, Visit 06, completed Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 116.9D TO 116.9 D</p>																						
	<p>(Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>																						
Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 25%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 10%;">Fluxes</th> <th style="width: 20%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td data-bbox="142 423 241 612">(6)</td> <td data-bbox="241 423 472 612">ABELL-1185-F6</td> <td data-bbox="472 423 913 612"> RA: 11 10 28.9292 (167.6205383d) Dec: +28 42 22.60 (28.70628d) Equinox: J2000 </td> <td data-bbox="913 423 1312 612"></td> <td data-bbox="1312 423 1606 612">V=28.3+/-0.25</td> <td data-bbox="1606 423 2007 612">Reference Frame: ICRS</td> </tr> <tr> <td colspan="6" data-bbox="142 527 2007 612"> <p><i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES</p> </td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	ABELL-1185-F6	RA: 11 10 28.9292 (167.6205383d) Dec: +28 42 22.60 (28.70628d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	<p><i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES</p>					
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(6)	ABELL-1185-F6	RA: 11 10 28.9292 (167.6205383d) Dec: +28 42 22.60 (28.70628d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																		
<p><i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES</p>																							

Proposal 17212 - Visit 06 - Caught in the Act: The Hierarchical Formation of Abell 1185

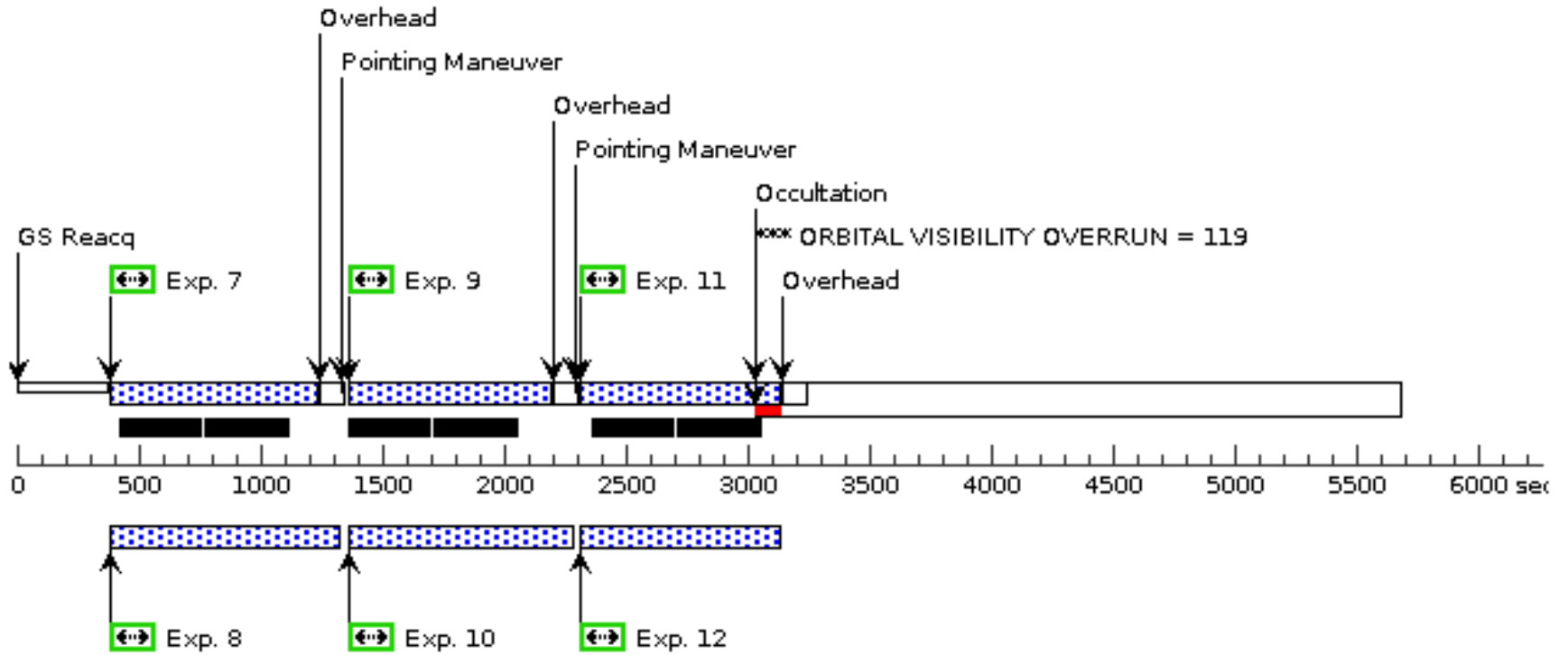
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 06	800 Secs (800 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 06	740 Secs (740 Secs)	[1]	
	3	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 06	835 Secs (835 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 06	785 Secs (785 Secs)	[1]	
	5	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 06	800 Secs (800 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 06	655 Secs (655 Secs)	[1]	
	7	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 06	830 Secs (830 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 06	780 Secs (780 Secs)	[2]	
	9	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 06	830 Secs (830 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 06	795 Secs (795 Secs)	[2]	
	11	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 06	795 Secs (795 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 06	655 Secs (655 Secs)	[2]	
	13	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 06	830 Secs (830 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 06	780 Secs (780 Secs)	[3]	
	15	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 06	830 Secs (830 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 06	820 Secs (820 Secs)	[3]	
	17	(6) ABELL-1185-F6	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 06	795 Secs (795 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 06	655 Secs (655 Secs)	[3]	

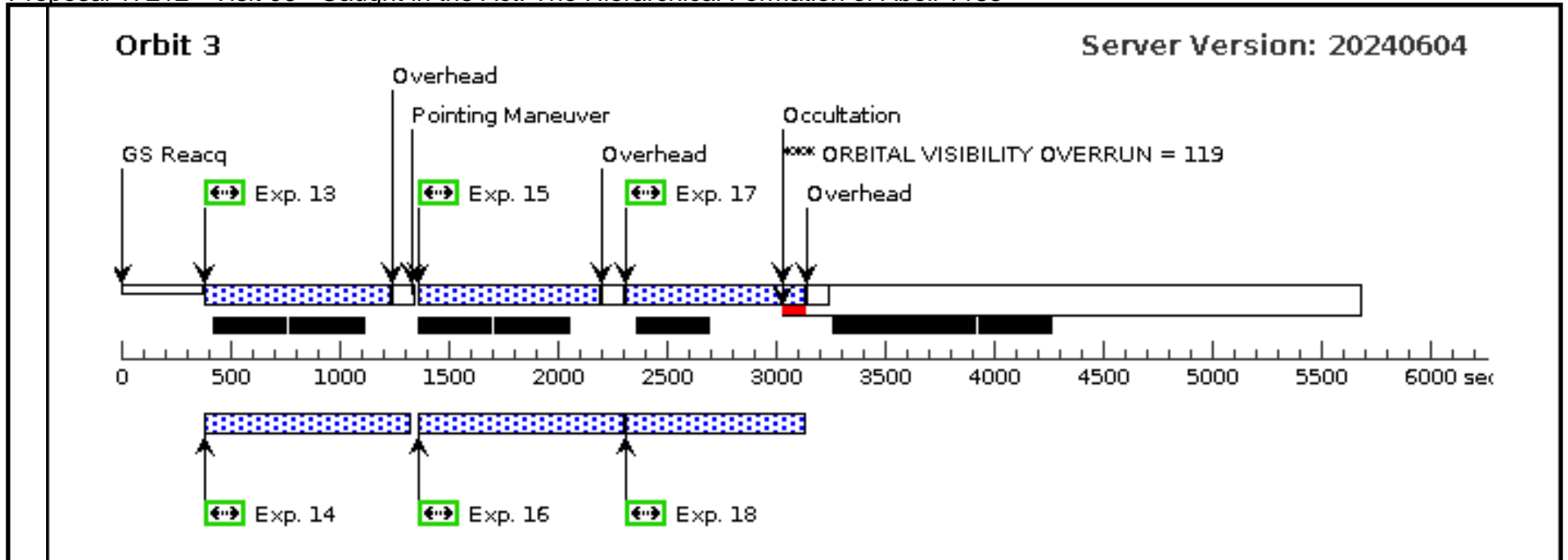
Orbit 1



Orbit Structure

Orbit 2





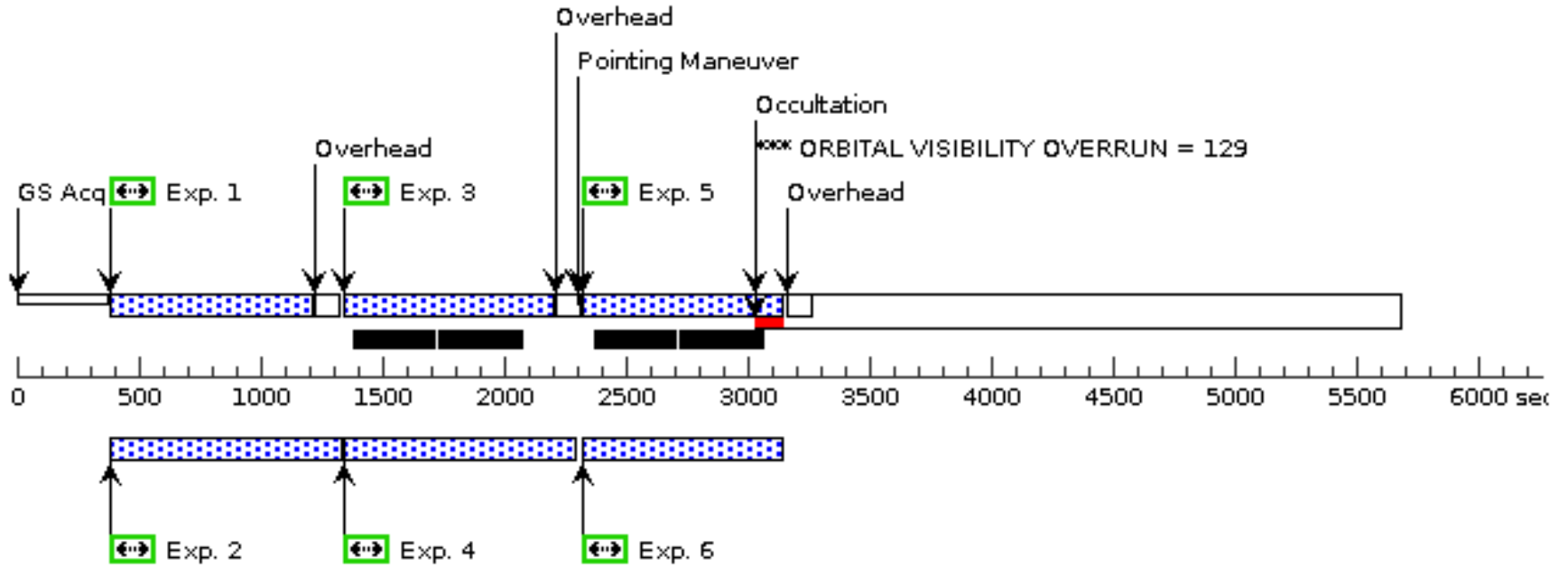
Proposal 17212 - Visit 07 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	Proposal 17212, Visit 07, failed Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 290.0D TO 290.0 D																						
	Diagnostics	(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																					
Fixed Targets		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 25%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 15%;">Fluxes</th> <th style="width: 15%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>ABELL-1185-F7</td> <td> RA: 11 10 56.5629 (167.7356788d) Dec: +28 46 11.58 (28.76988d) Equinox: J2000 </td> <td></td> <td>V=28.3+/-0.25</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES </td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(7)	ABELL-1185-F7	RA: 11 10 56.5629 (167.7356788d) Dec: +28 46 11.58 (28.76988d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES				
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(7)	ABELL-1185-F7	RA: 11 10 56.5629 (167.7356788d) Dec: +28 46 11.58 (28.76988d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																		
<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES																							

Proposal 17212 - Visit 07 - Caught in the Act: The Hierarchical Formation of Abell 1185

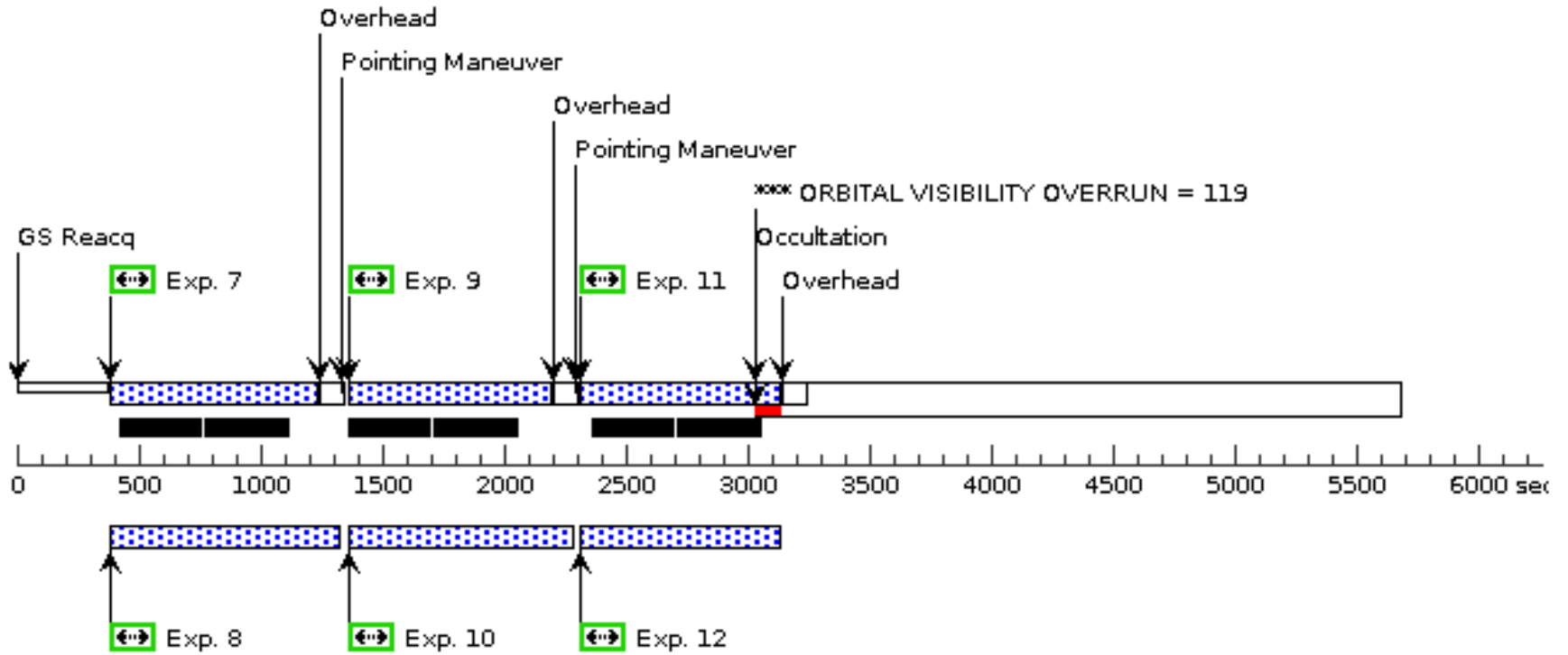
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 07	800 Secs (800 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 07	740 Secs (740 Secs)	[1]	
	3	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 07	835 Secs (835 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 07	785 Secs (785 Secs)	[1]	
	5	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 07	800 Secs (800 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 07	655 Secs (655 Secs)	[1]	
	7	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 07	830 Secs (830 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 07	780 Secs (780 Secs)	[2]	
	9	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 07	830 Secs (830 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 07	795 Secs (795 Secs)	[2]	
	11	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 07	795 Secs (795 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 07	655 Secs (655 Secs)	[2]	
	13	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 07	830 Secs (830 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 07	780 Secs (780 Secs)	[3]	
	15	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 07	830 Secs (830 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 07	820 Secs (820 Secs)	[3]	
	17	(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 07	795 Secs (795 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 07	655 Secs (655 Secs)	[3]	

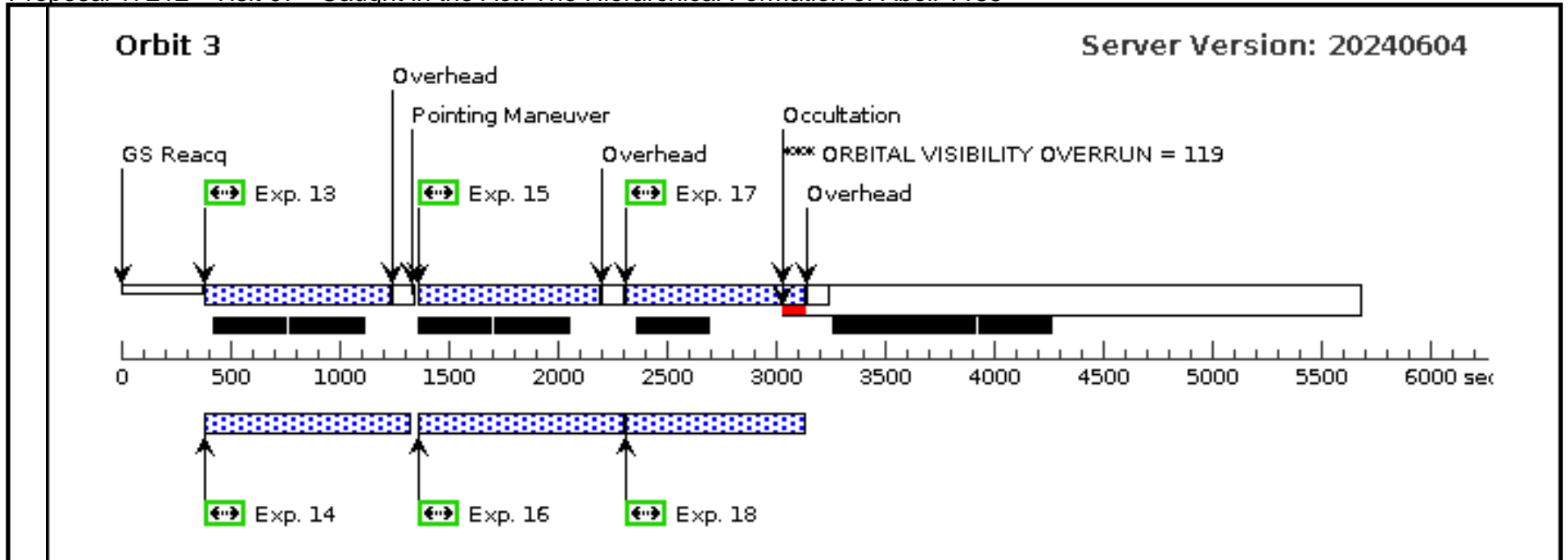
Orbit 1



Orbit Structure

Orbit 2

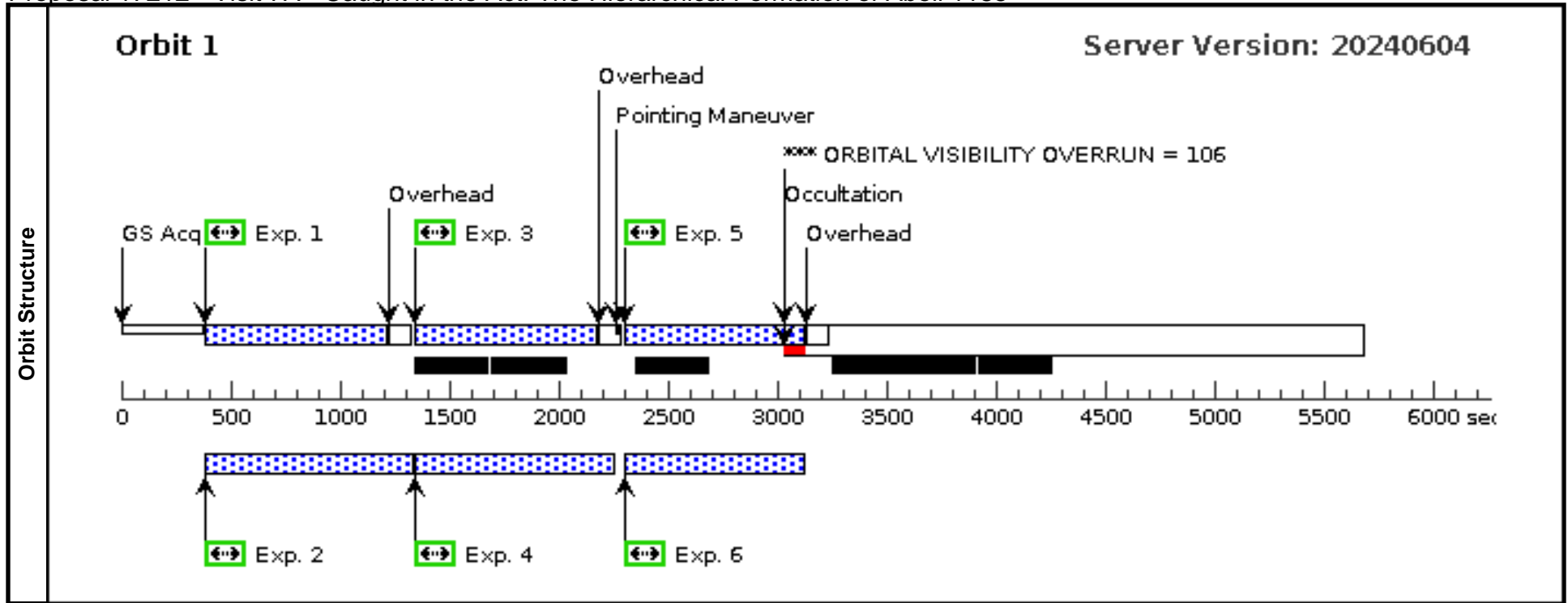




Proposal 17212 - Visit 7A - Caught in the Act: The Hierarchical Formation of Abell 1185

Fri Jul 05 13:00:54 GMT 2024

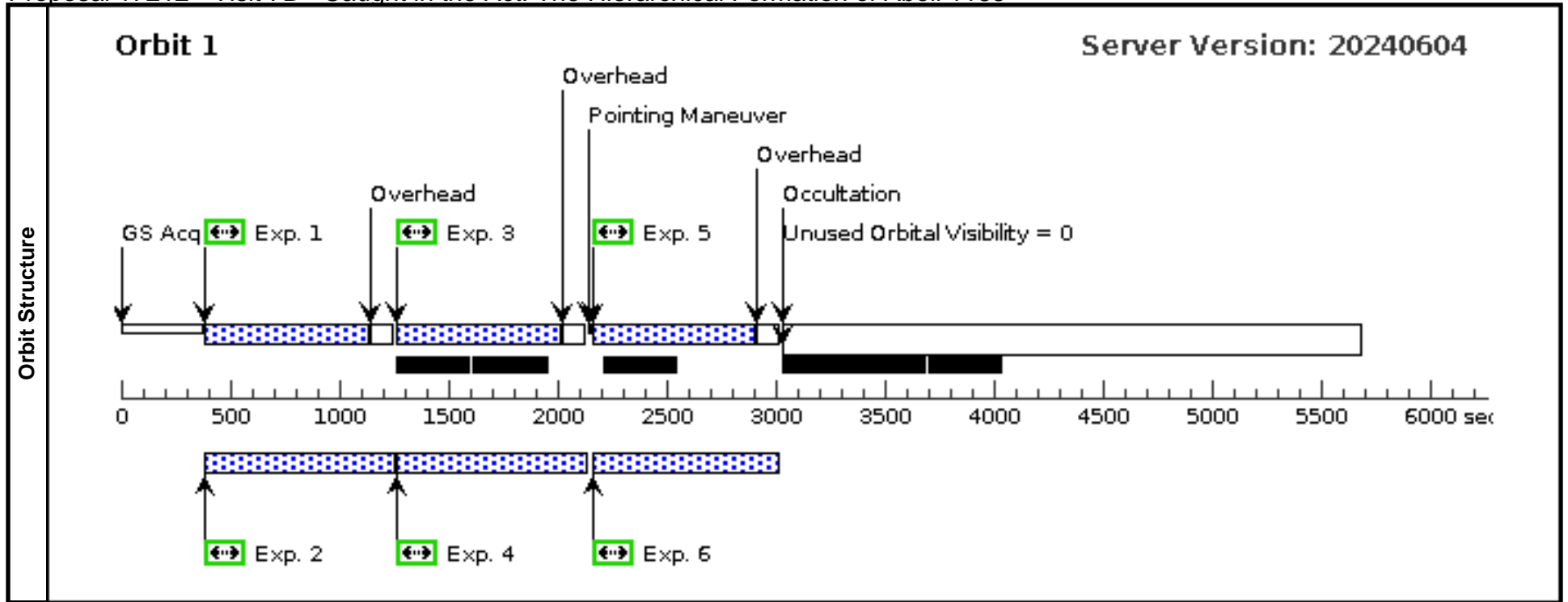
Visit	Proposal 17212, Visit 7A, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 290.0D TO 290.0 D										
	(Visit 7A) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(7)	ABELL-1185-F7	RA: 11 10 56.5629 (167.7356788d) Dec: +28 46 11.58 (28.76988d) Equinox: J2000				V=28.3+/-0.25	Reference Frame: ICRS			
Comments: Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 7A	800 Secs (800 Secs)		
									[==>]		[1]
	2		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 1-2 in Visit 7A	740 Secs (740 Secs)		
									[==>]		[1]
	3		(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 7A	835 Secs (835 Secs)		
									[==>]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 7A	785 Secs (785 Secs)		
								[==>]		[1]	
5		(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 7A	800 Secs (800 Secs)			
								[==>]		[1]	
6		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 7A	655 Secs (655 Secs)			
								[==>]		[1]	



Proposal 17212 - Visit 7B - Caught in the Act: The Hierarchical Formation of Abell 1185

Fri Jul 05 13:00:54 GMT 2024

Visit	Proposal 17212, Visit 7B, pi Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 290.0D TO 290.0 D Comments: HOPR copy of 7A									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(7)	ABELL-1185-F7	RA: 11 10 56.5629 (167.7356788d) Dec: +28 46 11.58 (28.76988d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS				
	Comments: Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 7B	720 Secs (720 Secs) [=>720.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 1-2 in Visit 7B	740 Secs (660 Secs) [=>660.0 Secs]	[1]
	3		(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 7B	752 Secs (752 Secs) [=>752.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 7B	785 Secs (742 Secs) [=>742.0 Secs]	[1]
	5		(7) ABELL-1185-F7	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 7B	720 Secs (720 Secs) [=>720.0 Secs]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 7B	655 Secs (692 Secs) [=>692.0 Secs]	[1]



Proposal 17212 - Visit 08 - Caught in the Act: The Hierarchical Formation of Abell 1185

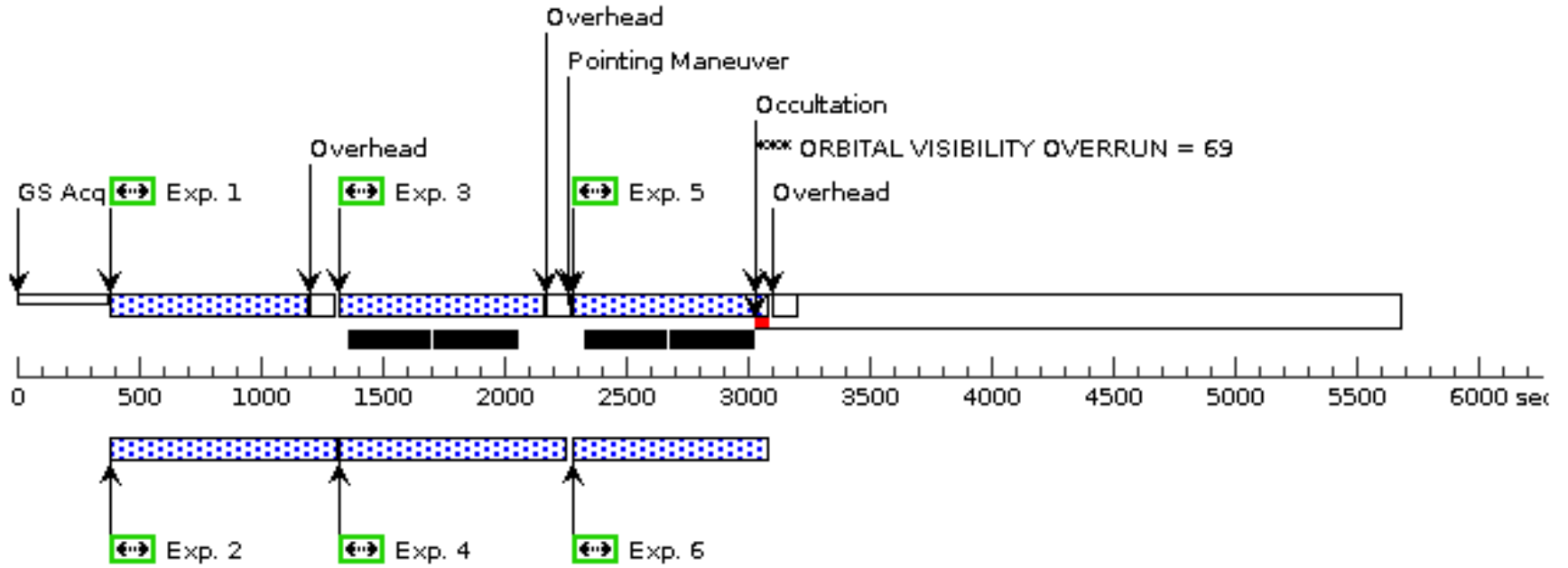
Fri Jul 05 13:00:54 GMT 2024

Visit	<p>Proposal 17212, Visit 08, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: ORIENT 303.0D TO 303.0 D</p>					
Diagnostics	<p>(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>					
Fixed Targets	<p>#</p> <p>(8)</p>	<p>Name</p> <p>ABELL-1185-F8</p>	<p>Target Coordinates</p> <p>RA: 11 10 46.7303 (167.6947096d)</p> <p>Dec: +28 45 5.90 (28.75164d)</p> <p>Equinox: J2000</p> <p><i>Comments:</i> <i>Category=CLUSTER OF GALAXIES</i> <i>Description=[RICH CLUSTER]</i> <i>Extended=YES</i></p>	<p>Targ. Coord. Corrections</p>	<p>Fluxes</p> <p>V=28.3+/-0.25</p>	<p>Miscellaneous</p> <p>Reference Frame: ICRS</p>

Proposal 17212 - Visit 08 - Caught in the Act: The Hierarchical Formation of Abell 1185

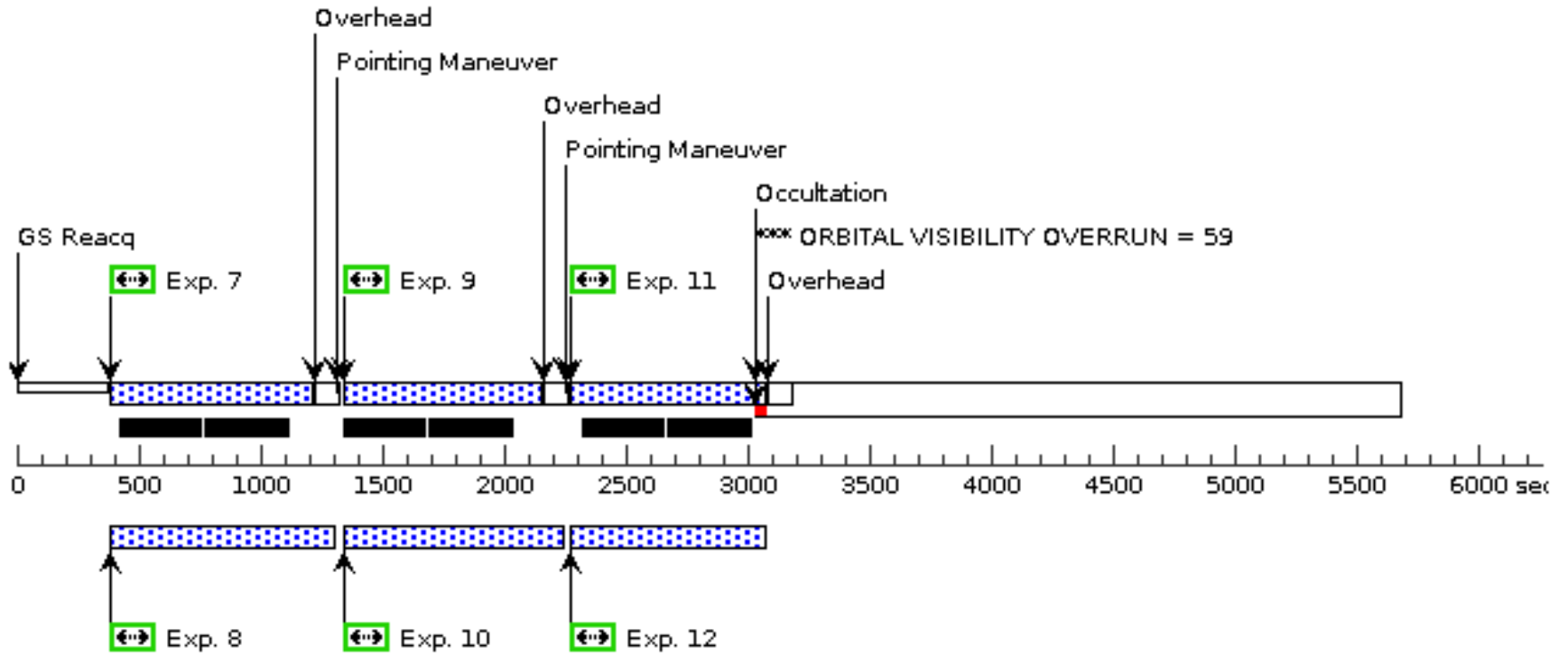
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 08	780 Secs (780 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 08	720 Secs (720 Secs)	[1]	
	3	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 08	815 Secs (815 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 08	765 Secs (765 Secs)	[1]	
	5	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 08	780 Secs (780 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 08	635 Secs (635 Secs)	[1]	
	7	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 08	810 Secs (810 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 08	760 Secs (760 Secs)	[2]	
	9	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 08	810 Secs (810 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 08	775 Secs (775 Secs)	[2]	
	11	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 08	775 Secs (775 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 08	635 Secs (635 Secs)	[2]	
	13	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 08	810 Secs (810 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 08	760 Secs (760 Secs)	[3]	
	15	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 08	810 Secs (810 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 08	800 Secs (800 Secs)	[3]	
	17	(8) ABELL-1185-F8	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 08	775 Secs (775 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 08	635 Secs (635 Secs)	[3]	

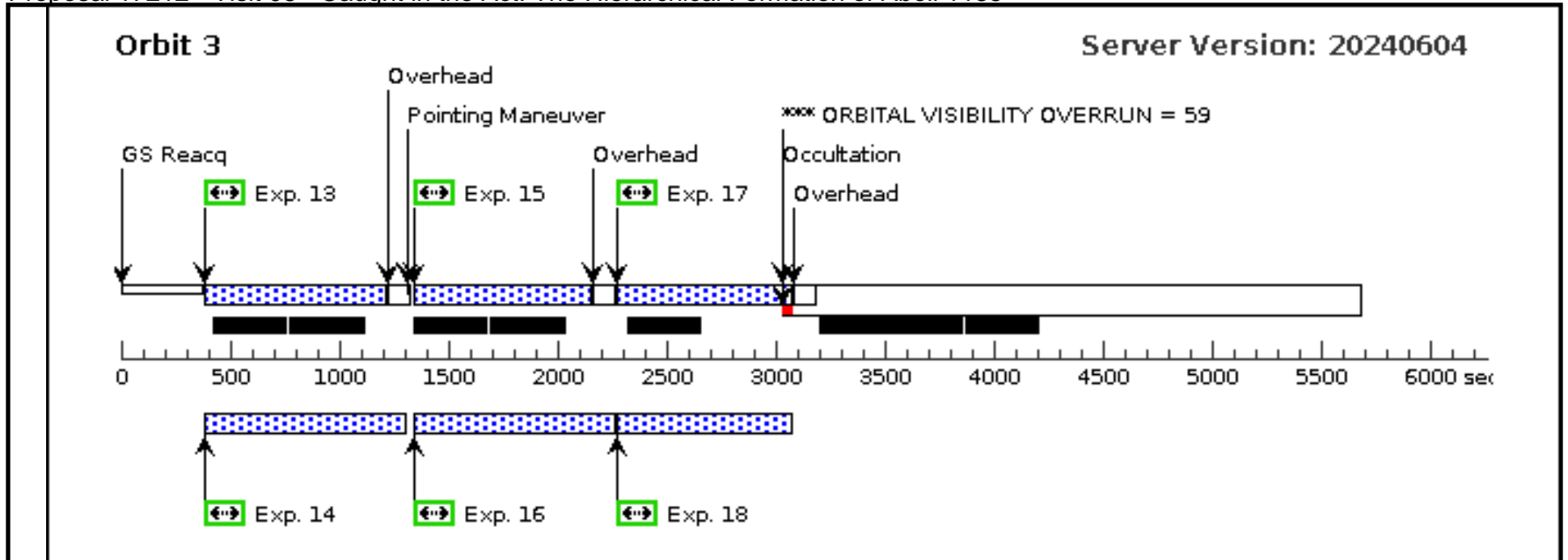
Orbit 1



Orbit Structure

Orbit 2





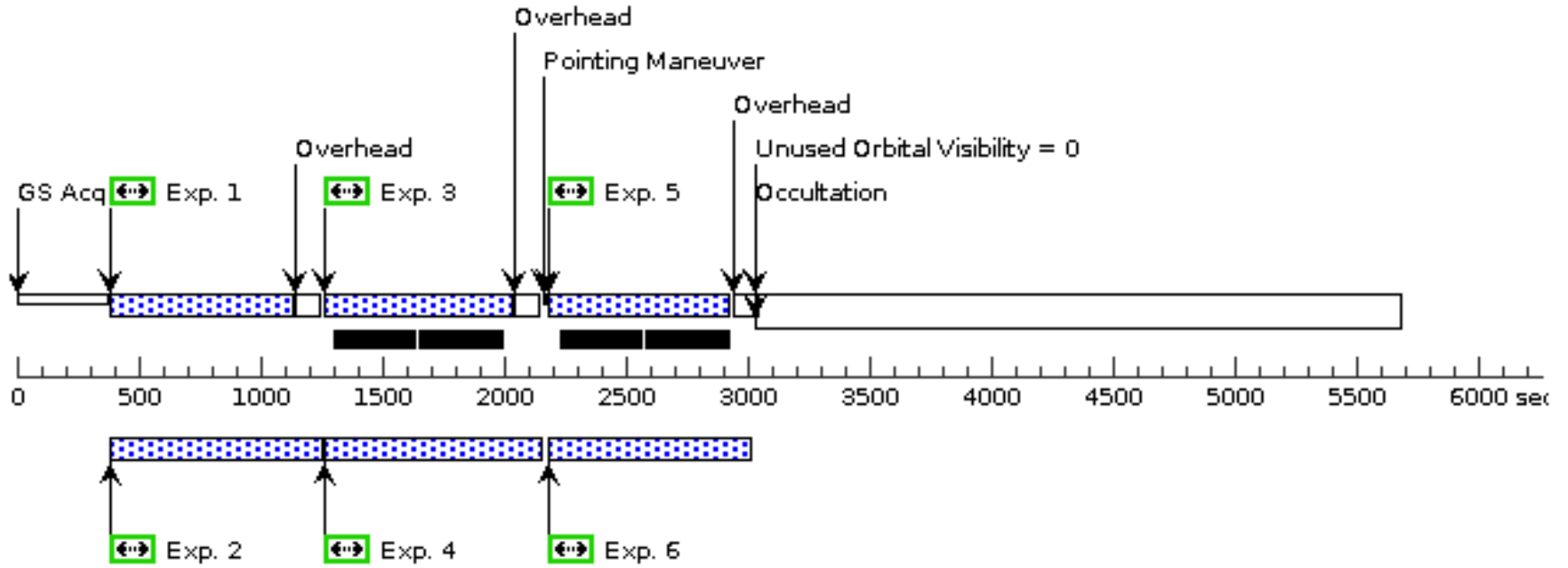
Proposal 17212 - Visit 09 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	Proposal 17212, Visit 09, pi Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 289.3D TO 289.3 D					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(9)		ABELL-1185-F9	RA: 11 10 35.9502 (167.6497925d) Dec: +28 44 24.10 (28.74003d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS
Comments: Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES						

Proposal 17212 - Visit 09 - Caught in the Act: The Hierarchical Formation of Abell 1185

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 09	720 Secs (720 Secs) [=>720.0 Secs]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 09	740 Secs (660 Secs) [=>660.0 Secs]	[1]
	3		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 09	752 Secs (752 Secs) [=>752.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 09	785 Secs (725 Secs) [=>725.0 Secs]	[1]
	5		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 09	720 Secs (720 Secs) [=>720.0 Secs]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 09	655 Secs (669 Secs) [=>669.0 Secs]	[1]
	7		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 09	747 Secs (744 Secs) [=>744.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 09	780 Secs (717 Secs) [=>717.0 Secs]	[2]
	9		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 09	747 Secs (744 Secs) [=>744.0 Secs]	[2]
	10		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 09	795 Secs (734 Secs) [=>734.0 Secs]	[2]
	11		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 09	715 Secs (712 Secs) [=>712.0 Secs]	[2]
	12		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 09	655 Secs (666 Secs) [=>666.0 Secs]	[2]
	13		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 09	747 Secs (747 Secs) [=>747.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 09	780 Secs (720 Secs) [=>720.0 Secs]	[3]
	15		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 09	747 Secs (747 Secs) [=>747.0 Secs]	[3]
	16		ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 09	820 Secs (737 Secs) [=>737.0 Secs]	[3]
	17		(9) ABELL-1185-F9	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 09	715 Secs (715 Secs) [=>715.0 Secs]	[3]
18		ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 09	655 Secs (679 Secs) [=>679.0 Secs]	[3]	

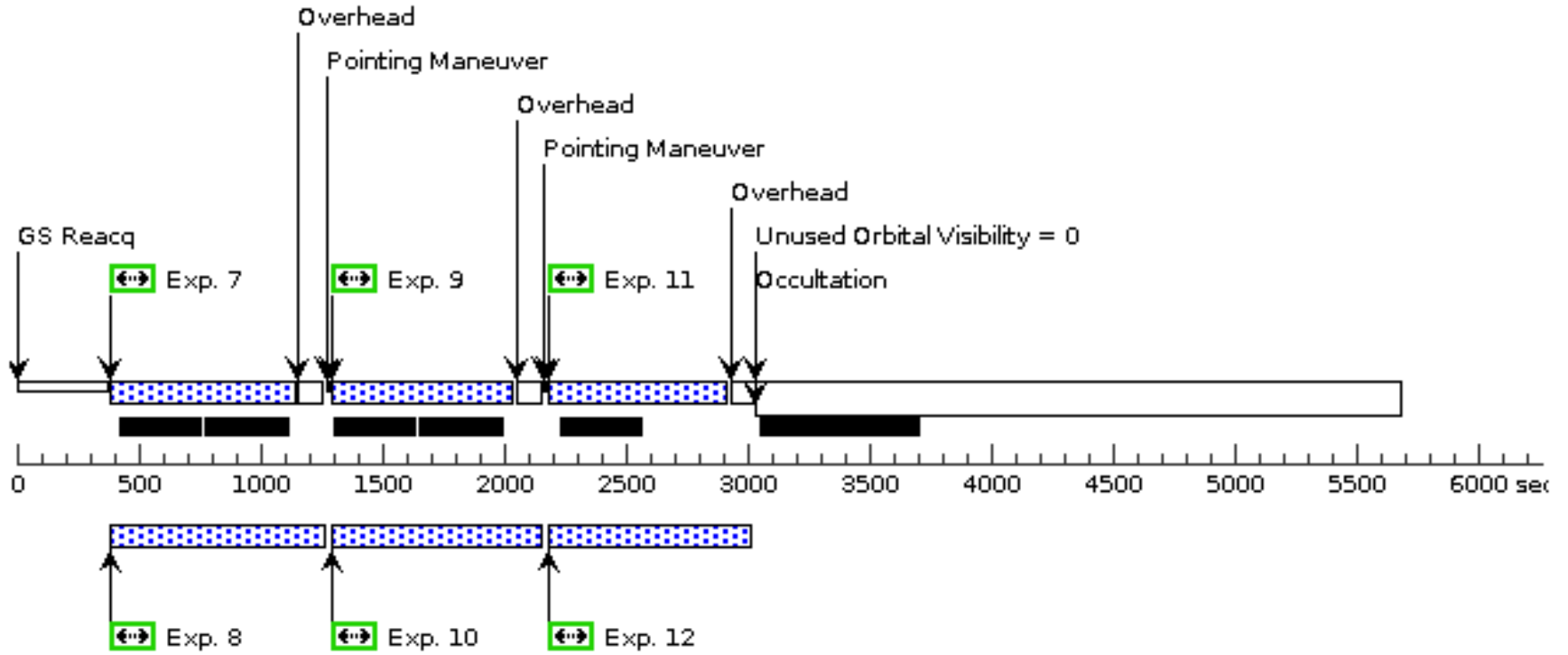
Orbit 1

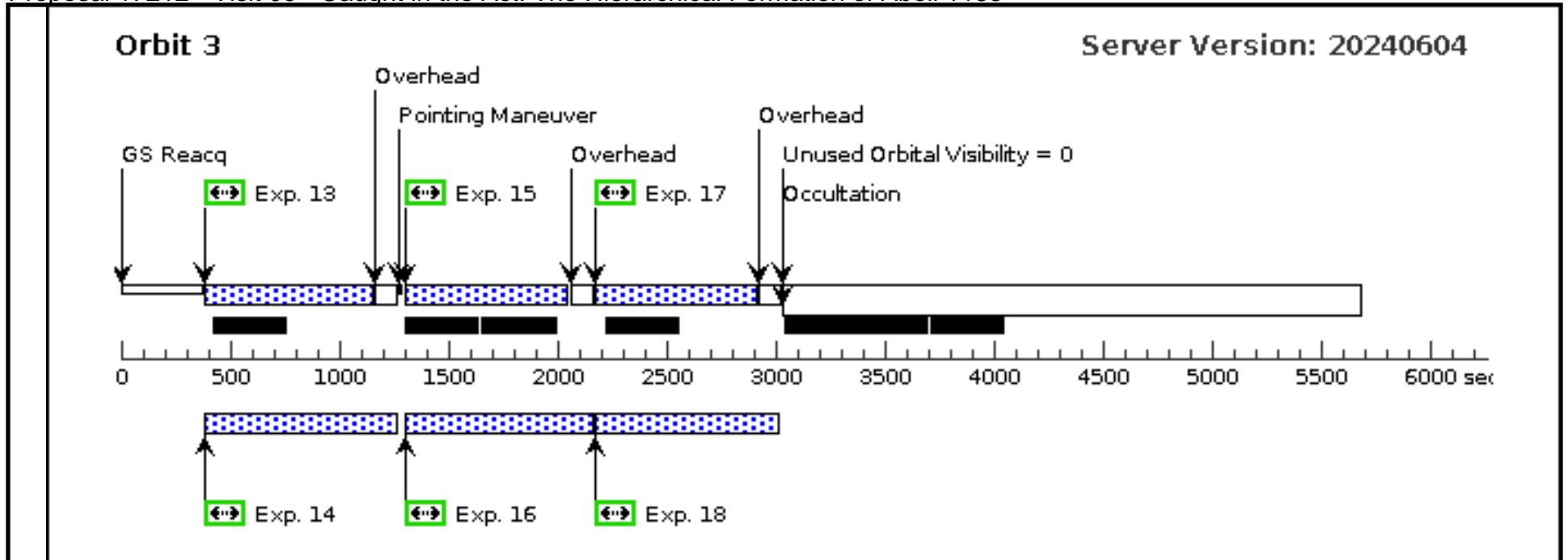


Orbit Structure

Orbit 2

Server Version: 20240604





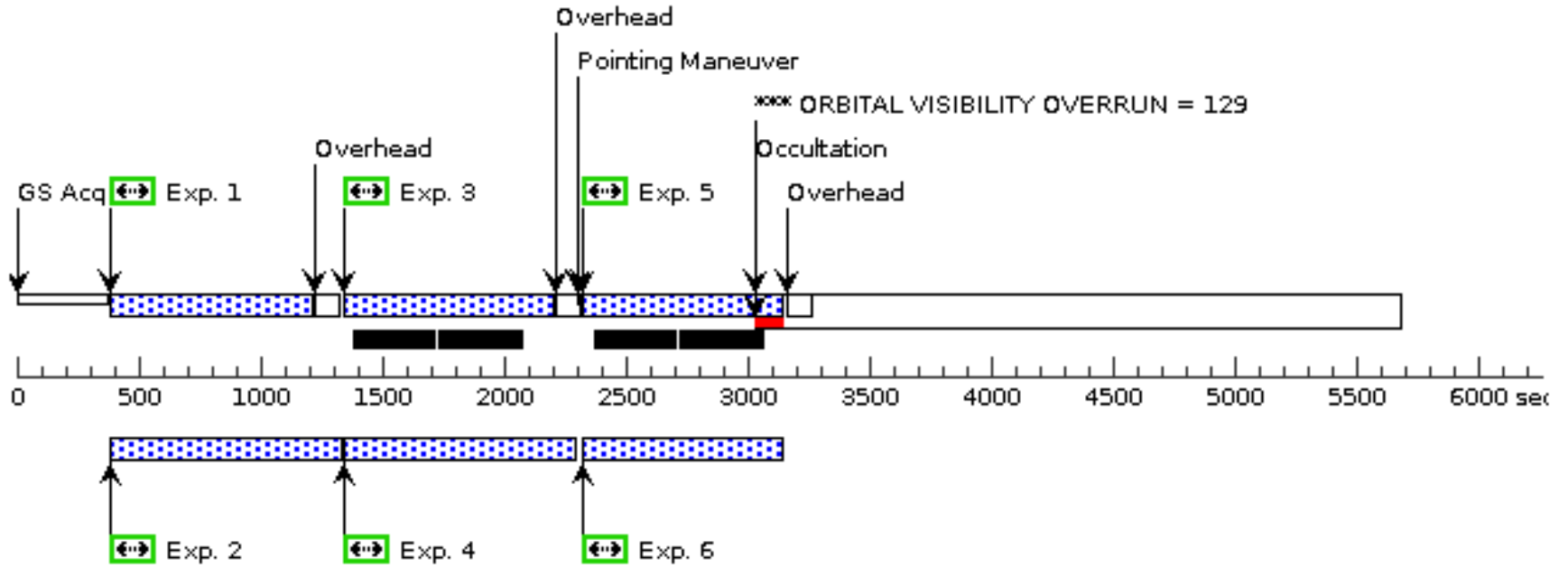
Proposal 17212 - Visit 10 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	<p>Proposal 17212, Visit 10, completed Fri Jul 05 13:00:54 GMT 2024</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: ORIENT 290.0D TO 290.0 D</p>																							
	Diagnostics	<p>(Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>																						
Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="136 389 241 414">#</th> <th data-bbox="241 389 472 414">Name</th> <th data-bbox="472 389 892 414">Target Coordinates</th> <th data-bbox="892 389 1312 414">Targ. Coord. Corrections</th> <th data-bbox="1312 389 1606 414">Fluxes</th> <th data-bbox="1606 389 2005 414">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td data-bbox="136 414 241 609">(10)</td> <td data-bbox="241 414 472 609">ABELL-1185-F10</td> <td data-bbox="472 414 892 609"> RA: 11 10 45.3256 (167.6888567d) Dec: +28 47 47.87 (28.79663d) Equinox: J2000 </td> <td data-bbox="892 414 1312 609"></td> <td data-bbox="1312 414 1606 609">V=28.3+/-0.25</td> <td data-bbox="1606 414 2005 609">Reference Frame: ICRS</td> </tr> <tr> <td colspan="6" data-bbox="136 609 2005 609"> <p><i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES</p> </td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(10)	ABELL-1185-F10	RA: 11 10 45.3256 (167.6888567d) Dec: +28 47 47.87 (28.79663d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	<p><i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES</p>										
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																		
(10)	ABELL-1185-F10	RA: 11 10 45.3256 (167.6888567d) Dec: +28 47 47.87 (28.79663d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																			
<p><i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES</p>																								

Proposal 17212 - Visit 10 - Caught in the Act: The Hierarchical Formation of Abell 1185

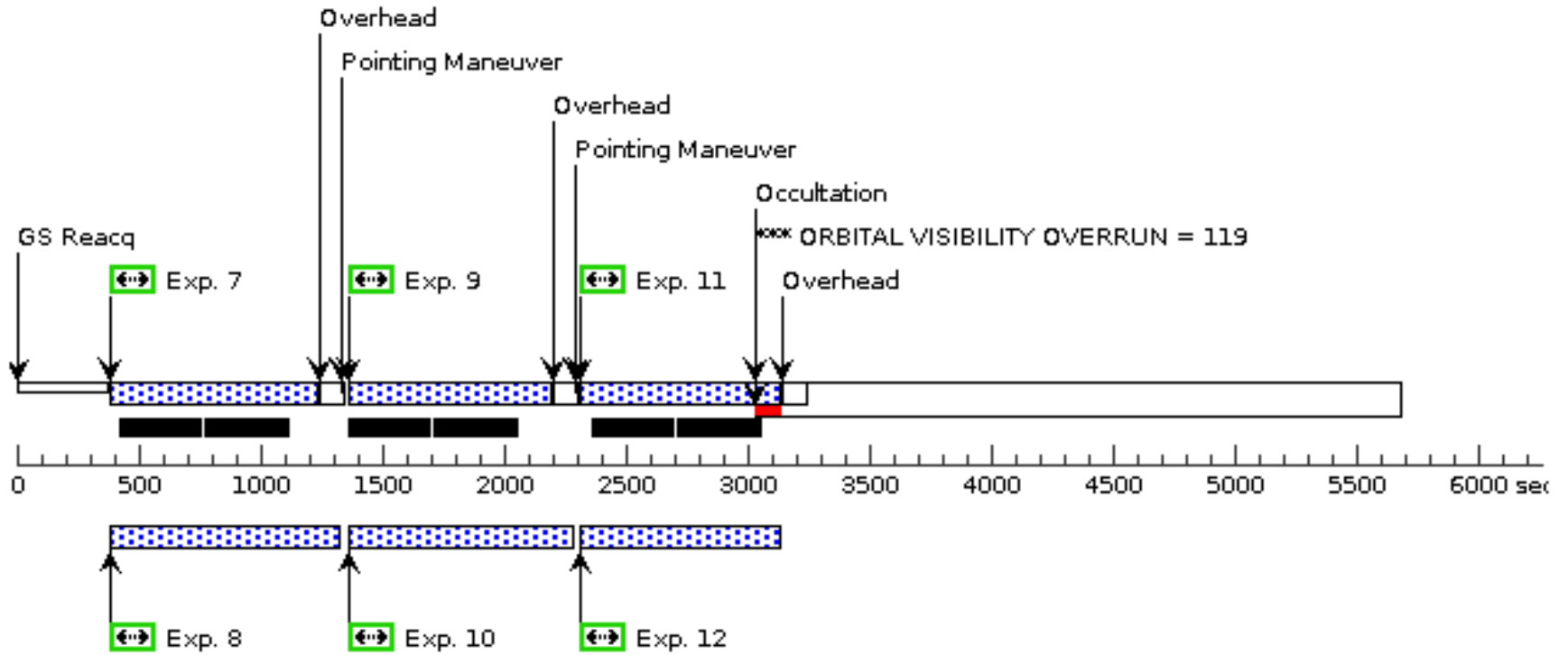
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 10	800 Secs (800 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 10	740 Secs (740 Secs)	[1]	
	3	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 10	835 Secs (835 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 10	785 Secs (785 Secs)	[1]	
	5	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 10	800 Secs (800 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 10	655 Secs (655 Secs)	[1]	
	7	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 10	830 Secs (830 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 10	780 Secs (780 Secs)	[2]	
	9	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 10	830 Secs (830 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 10	795 Secs (795 Secs)	[2]	
	11	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 10	795 Secs (795 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 10	655 Secs (655 Secs)	[2]	
	13	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 10	830 Secs (830 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 10	780 Secs (780 Secs)	[3]	
	15	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 10	830 Secs (830 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 10	820 Secs (820 Secs)	[3]	
	17	(10) ABELL-1185-F 10	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 10	795 Secs (795 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 10	655 Secs (655 Secs)	[3]	

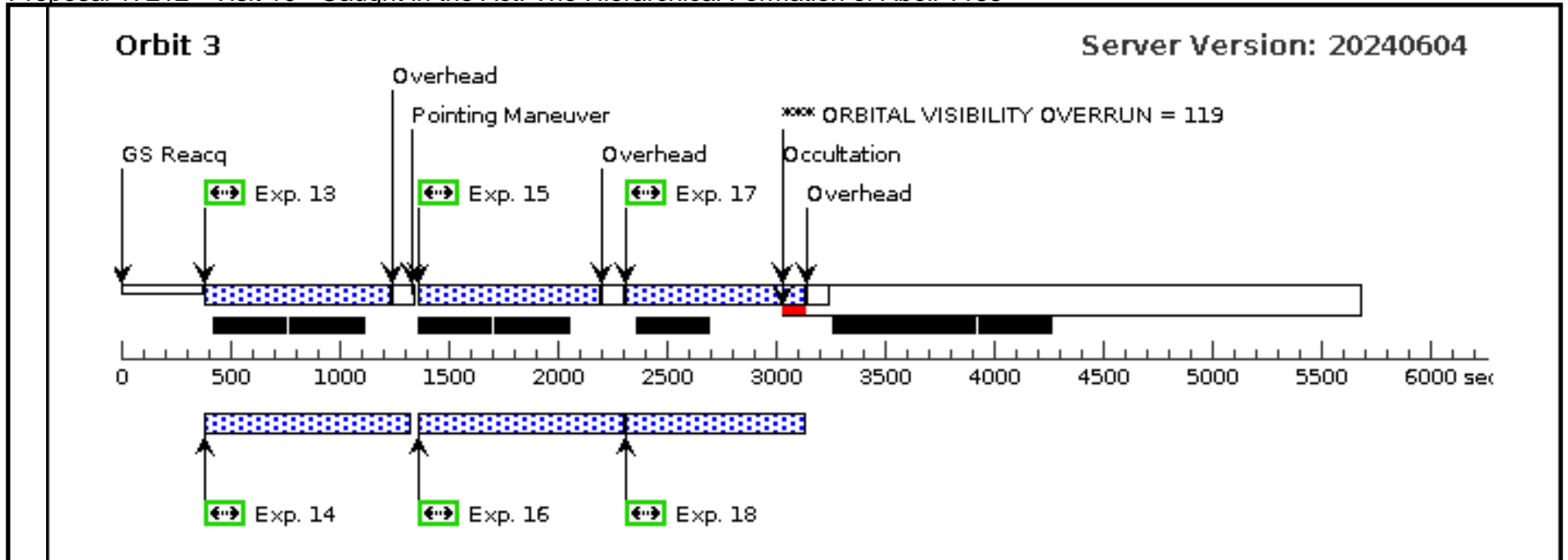
Orbit 1



Orbit Structure

Orbit 2





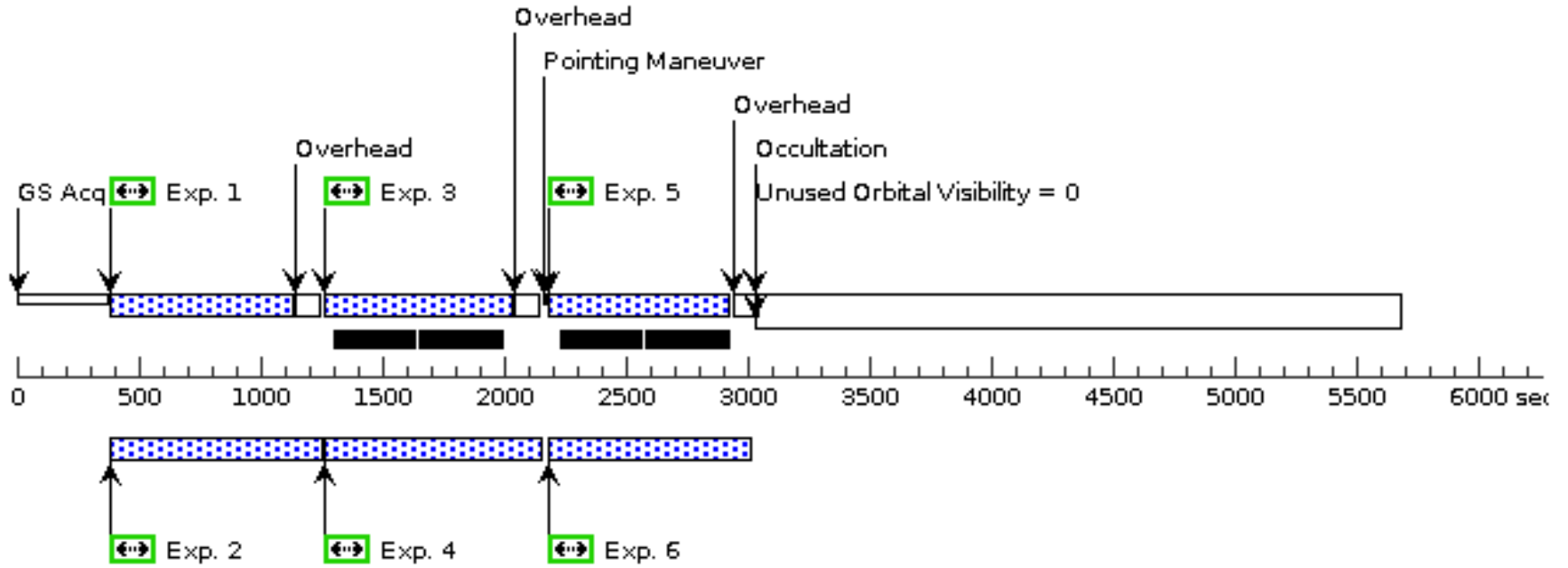
Proposal 17212 - Visit 11 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	Proposal 17212, Visit 11, pi Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 288.0D TO 290.0 D					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(11)		ABELL-1185-F11	RA: 11 10 34.2172 (167.6425717d) Dec: +28 46 38.47 (28.77735d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS
Comments: Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES						

Proposal 17212 - Visit 11 - Caught in the Act: The Hierarchical Formation of Abell 1185

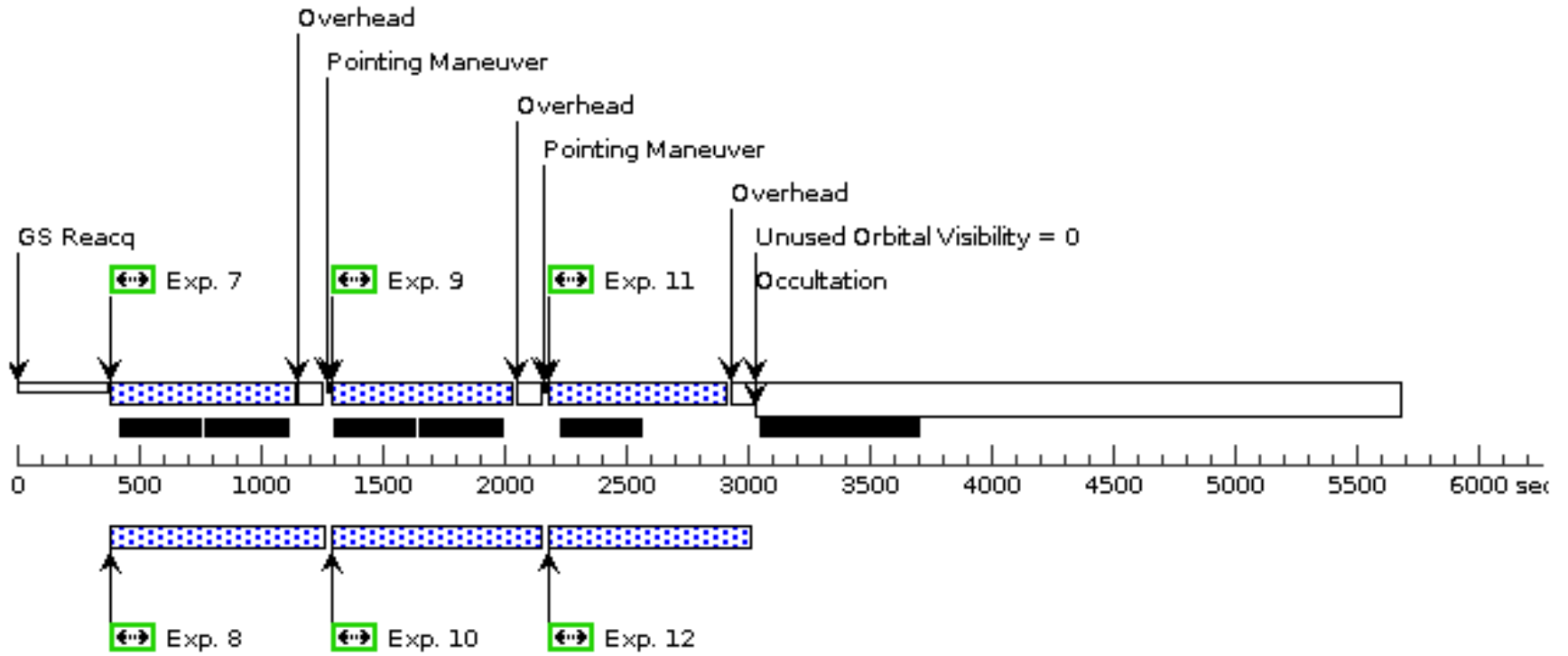
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 11	720 Secs (720 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 11	740 Secs (660 Secs)	[1]	
	3	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 11	752 Secs (752 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 11	785 Secs (725 Secs)	[1]	
	5	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 11	720 Secs (720 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 11	655 Secs (669 Secs)	[1]	
	7	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 11	747 Secs (744 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 11	780 Secs (717 Secs)	[2]	
	9	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 11	747 Secs (744 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 11	795 Secs (734 Secs)	[2]	
	11	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 11	715 Secs (712 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 11	655 Secs (666 Secs)	[2]	
	13	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 11	747 Secs (747 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 11	780 Secs (720 Secs)	[3]	
	15	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 11	747 Secs (747 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 11	820 Secs (737 Secs)	[3]	
	17	(11) ABELL-1185-F 11	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 11	715 Secs (715 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 11	655 Secs (679 Secs)	[3]	

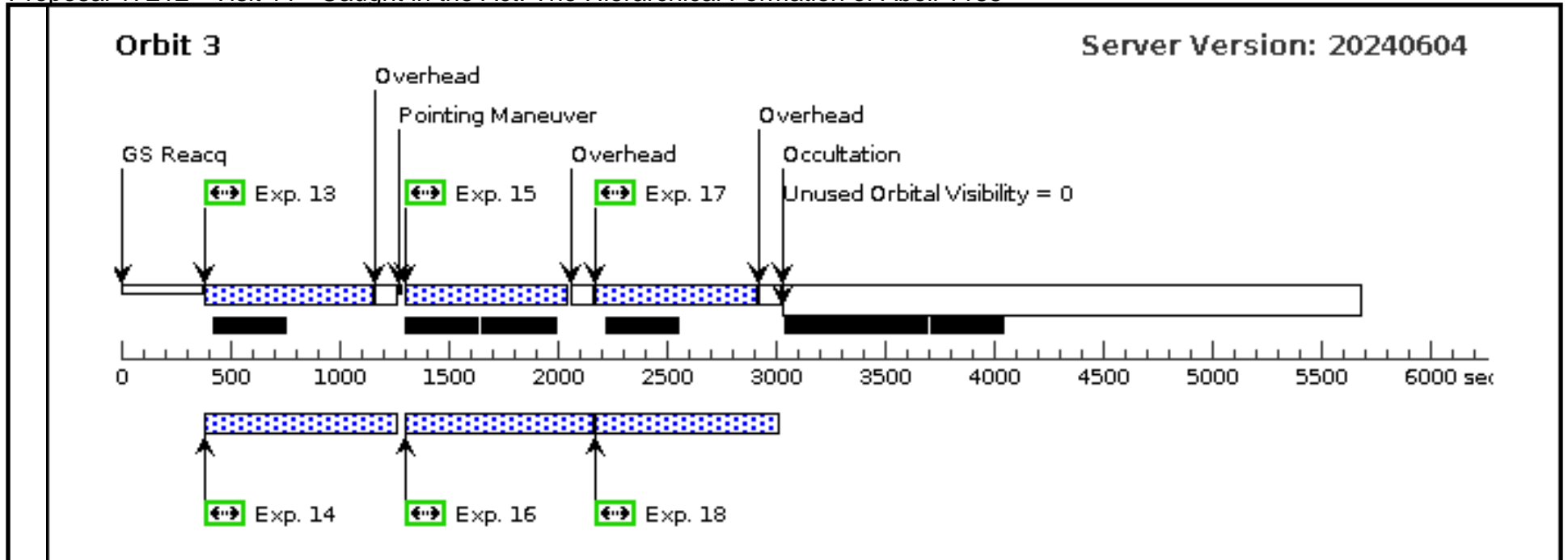
Orbit 1



Orbit Structure

Orbit 2





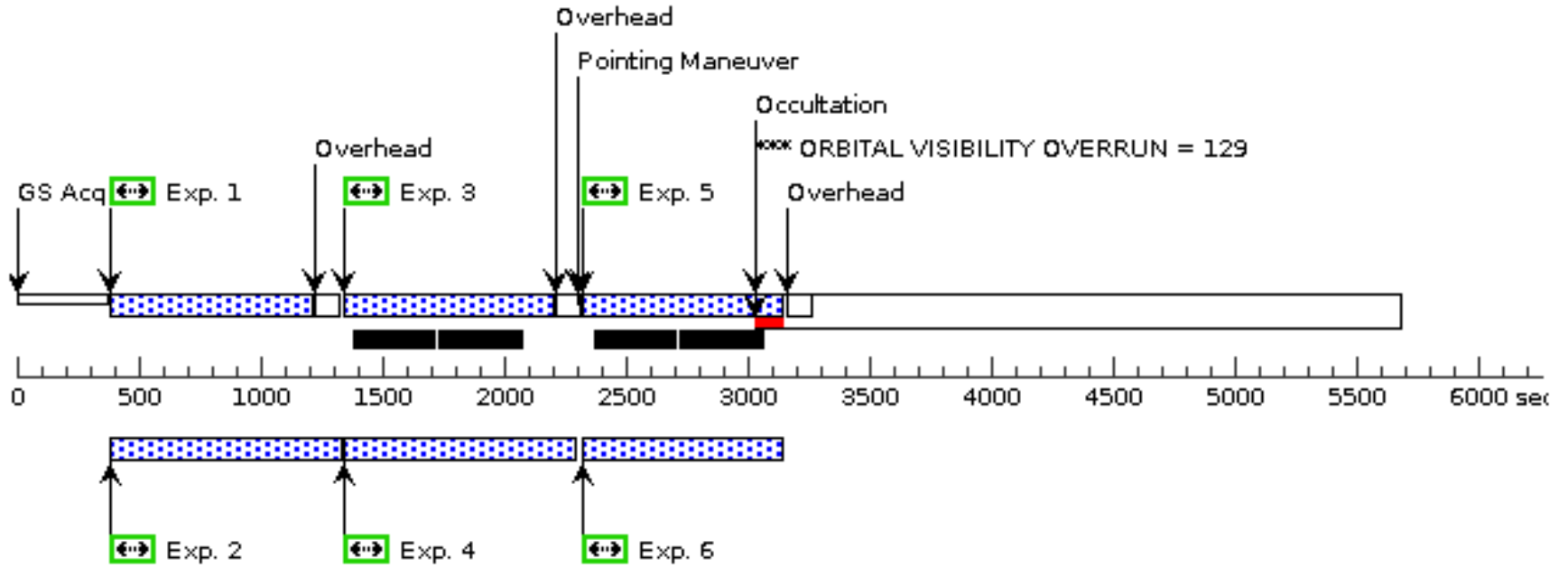
Proposal 17212 - Visit 12 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	Proposal 17212, Visit 12, completed Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 301.0D TO 301.0 D																						
	Diagnostics	(Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																					
Fixed Targets		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 25%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 10%;">Fluxes</th> <th style="width: 20%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(12)</td> <td>ABELL-1185-F12</td> <td>RA: 11 10 48.7180 (167.7029917d) Dec: +28 38 51.82 (28.64773d) Equinox: J2000</td> <td></td> <td>V=28.3+/-0.25</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> <i>Category=CLUSTER OF GALAXIES</i> <i>Description=[RICH CLUSTER]</i> <i>Extended=YES</i> </td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(12)	ABELL-1185-F12	RA: 11 10 48.7180 (167.7029917d) Dec: +28 38 51.82 (28.64773d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	<i>Comments:</i> <i>Category=CLUSTER OF GALAXIES</i> <i>Description=[RICH CLUSTER]</i> <i>Extended=YES</i>				
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(12)	ABELL-1185-F12	RA: 11 10 48.7180 (167.7029917d) Dec: +28 38 51.82 (28.64773d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																		
<i>Comments:</i> <i>Category=CLUSTER OF GALAXIES</i> <i>Description=[RICH CLUSTER]</i> <i>Extended=YES</i>																							

Proposal 17212 - Visit 12 - Caught in the Act: The Hierarchical Formation of Abell 1185

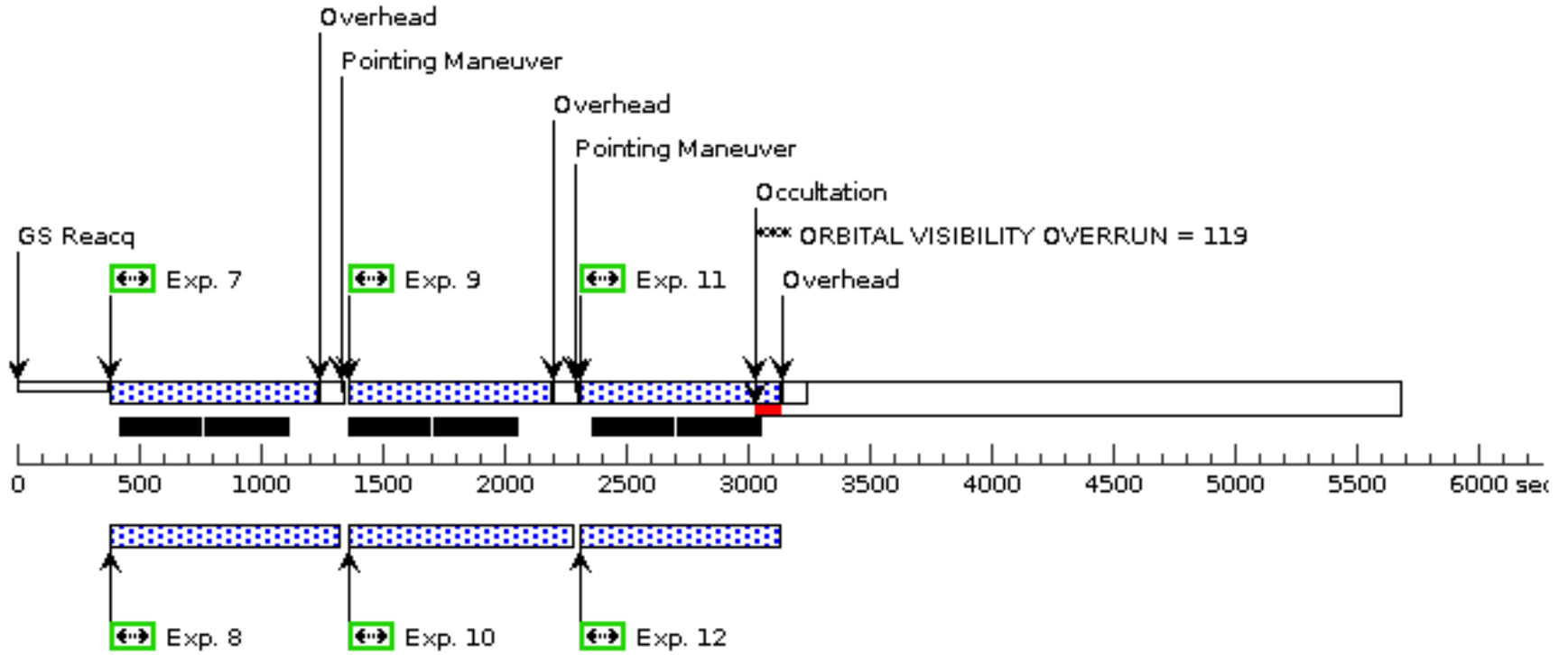
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 12	800 Secs (800 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 12	740 Secs (740 Secs)	[1]	
	3	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 12	835 Secs (835 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 12	785 Secs (785 Secs)	[1]	
	5	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 12	800 Secs (800 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 12	655 Secs (655 Secs)	[1]	
	7	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 12	830 Secs (830 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 12	780 Secs (780 Secs)	[2]	
	9	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 12	830 Secs (830 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 12	795 Secs (795 Secs)	[2]	
	11	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 12	795 Secs (795 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 12	655 Secs (655 Secs)	[2]	
	13	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 12	830 Secs (830 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 12	780 Secs (780 Secs)	[3]	
	15	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 12	830 Secs (830 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 12	820 Secs (820 Secs)	[3]	
	17	(12) ABELL-1185-F 12	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 12	795 Secs (795 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 12	655 Secs (655 Secs)	[3]	

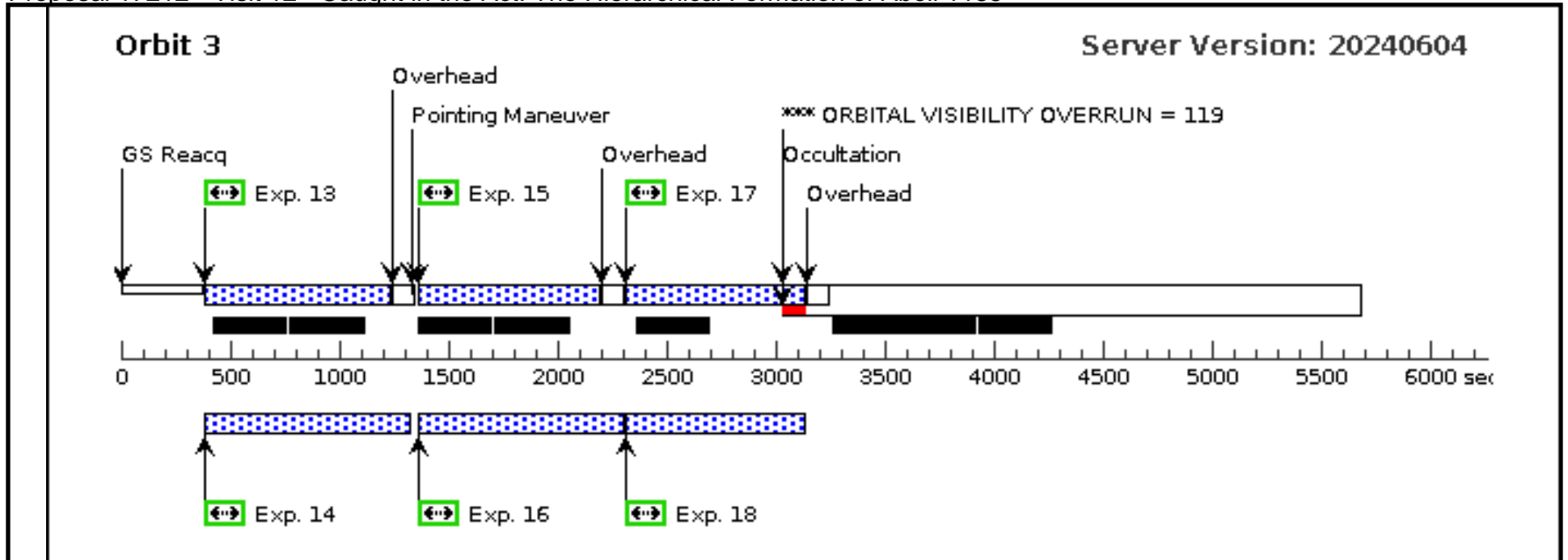
Orbit 1



Orbit Structure

Orbit 2





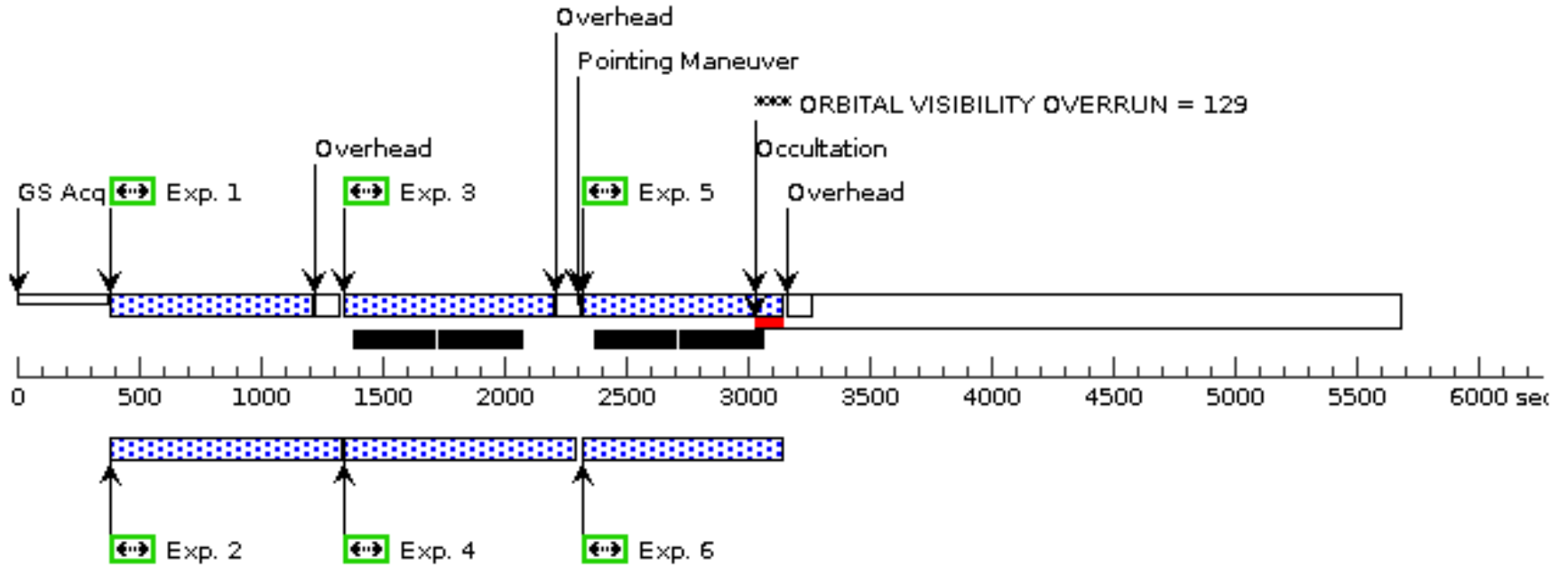
Proposal 17212 - Visit 13 - Caught in the Act: The Hierarchical Formation of Abell 1185

Visit	Proposal 17212, Visit 13, completed Fri Jul 05 13:00:54 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 158.8D TO 158.8 D																						
	Diagnosics (Visit 13) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 13) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 13) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																						
Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 25%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 15%;">Fluxes</th> <th style="width: 15%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(13)</td> <td>ABELL-1185-F13</td> <td>RA: 11 10 26.8958 (167.6120658d) Dec: +28 45 18.84 (28.75523d) Equinox: J2000</td> <td></td> <td>V=28.3+/-0.25</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES </td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(13)	ABELL-1185-F13	RA: 11 10 26.8958 (167.6120658d) Dec: +28 45 18.84 (28.75523d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS	<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES					
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(13)	ABELL-1185-F13	RA: 11 10 26.8958 (167.6120658d) Dec: +28 45 18.84 (28.75523d) Equinox: J2000		V=28.3+/-0.25	Reference Frame: ICRS																		
<i>Comments:</i> Category=CLUSTER OF GALAXIES Description=[RICH CLUSTER] Extended=YES																							

Proposal 17212 - Visit 13 - Caught in the Act: The Hierarchical Formation of Abell 1185

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -2.85,-2.85	Prime + Parallel Group 1-2 in Visit 13	800 Secs (800 Secs)	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 1-2 in Visit 13	740 Secs (740 Secs)	[1]	
	3	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 1	Prime + Parallel Group 3-4 in Visit 13	835 Secs (835 Secs)	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 3-4 in Visit 13	785 Secs (785 Secs)	[1]	
	5	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG -0.95,-0.95	Prime + Parallel Group 5-6 in Visit 13	800 Secs (800 Secs)	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 5-6 in Visit 13	655 Secs (655 Secs)	[1]	
	7	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 5	Prime + Parallel Group 7-8 in Visit 13	830 Secs (830 Secs)	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 7-8 in Visit 13	780 Secs (780 Secs)	[2]	
	9	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG 0,0	Prime + Parallel Group 9-10 in Visit 13	830 Secs (830 Secs)	[2]	
	10	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 9-10 in Visit 13	795 Secs (795 Secs)	[2]	
	11	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		POS TARG +0.95,+0.95	Prime + Parallel Group 11-12 in Visit 13	795 Secs (795 Secs)	[2]	
	12	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 11-12 in Visit 13	655 Secs (655 Secs)	[2]	
	13	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		SAME POS AS 11	Prime + Parallel Group 13-14 in Visit 13	830 Secs (830 Secs)	[3]	
	14	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 13-14 in Visit 13	780 Secs (780 Secs)	[3]	
	15	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F475X		POS TARG +2.85,+2.85	Prime + Parallel Group 15-16 in Visit 13	830 Secs (830 Secs)	[3]	
	16	ANY	ACS/WFC, ACCUM, WFC-FIX	F475W			Prime + Parallel Group 15-16 in Visit 13	820 Secs (820 Secs)	[3]	
	17	(13) ABELL-1185-F 13	WFC3/UVIS, ACCUM, UVIS-FIX	F600LP		SAME POS AS 15	Prime + Parallel Group 17-18 in Visit 13	795 Secs (795 Secs)	[3]	
	18	ANY	ACS/WFC, ACCUM, WFC-FIX	F814W			Prime + Parallel Group 17-18 in Visit 13	655 Secs (655 Secs)	[3]	

Orbit 1



Orbit Structure

Orbit 2

