



15230 - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Cycle: 25, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) NGC-891-FIELD-1 ANY	ACS/WFC WFC3/UVIS	3	05-Feb-2020 17:00:51.0	yes
02	(1) NGC-891-FIELD-1 ANY	ACS/WFC WFC3/UVIS	3	05-Feb-2020 17:00:53.0	yes
03	(1) NGC-891-FIELD-1 ANY	ACS/WFC WFC3/UVIS	2	05-Feb-2020 17:00:55.0	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>
04	(2) NGC-4565-FIELD-1 ANY	ACS/WFC WFC3/UVIS	3	05-Feb-2020 17:00:56.0	yes
05	(2) NGC-4565-FIELD-1 ANY	ACS/WFC WFC3/UVIS	3	05-Feb-2020 17:00:58.0	yes
06	(2) NGC-4565-FIELD-1 ANY	ACS/WFC WFC3/UVIS	2	05-Feb-2020 17:00:59.0	yes
07	(2) NGC-4565-FIELD-1 ANY	ACS/WFC WFC3/UVIS	3	05-Feb-2020 17:01:00.0	yes
08	(2) NGC-4565-FIELD-1 ANY	ACS/WFC WFC3/UVIS	2	05-Feb-2020 17:01:02.0	yes
09	(2) NGC-4565-FIELD-1 ANY	ACS/WFC WFC3/UVIS	2	05-Feb-2020 17:01:03.0	yes
52	(1) NGC-891-FIELD-1 ANY	ACS/WFC WFC3/UVIS	3	05-Feb-2020 17:01:04.0	yes
53	(1) NGC-891-FIELD-1 ANY	ACS/WFC WFC3/UVIS	3	05-Feb-2020 17:01:06.0	yes

29 Total Orbits Used

ABSTRACT

The stellar halos surrounding spiral galaxies like the Milky Way are thought to be old and metal-poor. Indeed, we see little evidence for recent star formation in the form of main sequence stars or He burning stars in the color-magnitude diagrams (CMDs) of the stellar halos of the 16 nearby disk galaxies in our GHOSTS HST survey. It is therefore surprising, that we do see bright Asymptotic Giant Branch (AGB) stars in our CMDs, stars that are typically between 0.5 and 2.5 Gyr old. Recent simulations show two viable models for the origin of these intermediate age halo stars: 1) they have been brought in by gas-rich, star-forming, recently-disrupted satellites or 2) they have been dislodged from the main galaxy disk by recent interactions.

To constrain their origin, we propose to use WFC3 F673N narrowband imaging on two stellar halos to determine the fraction of carbon (C) stars in the detected AGB population. Classical carbon stars only form effectively at lower metallicities ($[Fe/H] < -0.3$) and hence will be low in number

Proposal 15230 (STScI Edit Number: 6, Created: Wednesday, February 5, 2020 at 5:01:07 PM Eastern Standard Time) - Overview compared to normal (M-type) AGB stars if this mysterious AGB population originates from the main disk, but the C star fraction will be high if they originate from accreted metal-poor dwarf galaxies. Such measurements are hard to do in the Milky Way and M31, and NGC253 is the only disk galaxy where this halo C star fraction has been mapped before. We will triple this sample by measuring M-to-C fractions at distances 15-30kpc above the midplane of NGC891 and NGC4565. The relative distributions of C stars, M-giants and RGB stars will be compared to our suite of halo formation models to determine the relative importance of accretion vs. in situ formation.

OBSERVING DESCRIPTION

Our aim is to identify AGB C stars using the narrowband imaging technique. Unlike similar earlier efforts where two or even three narrowband filters were used, we use the F673N narrowband filter in combination with F606W and F814W filters to separate C from M stars. We will repeat our previous F606W and F814W observations, as these AGB stars are luminosity variables and we need a time matched F606W-F673N and color measurement.

In each galaxy halo we cover one position on the minor axis at distance 17-25kpc from the galaxy center.

In NGC891 we expose 8x ~2400s in F673N and 4x300s in F606W and F814W spread over 3 separate visits. The orient is constrained such that the parallel field falls in a interesting position to measure the halo CMD in a similar fashion as our previous GHOSTS observations. Here we expose 8x1300s in F606W and 8x1100s in F814W to reach similar depths as in our previous GHOSTS observations.

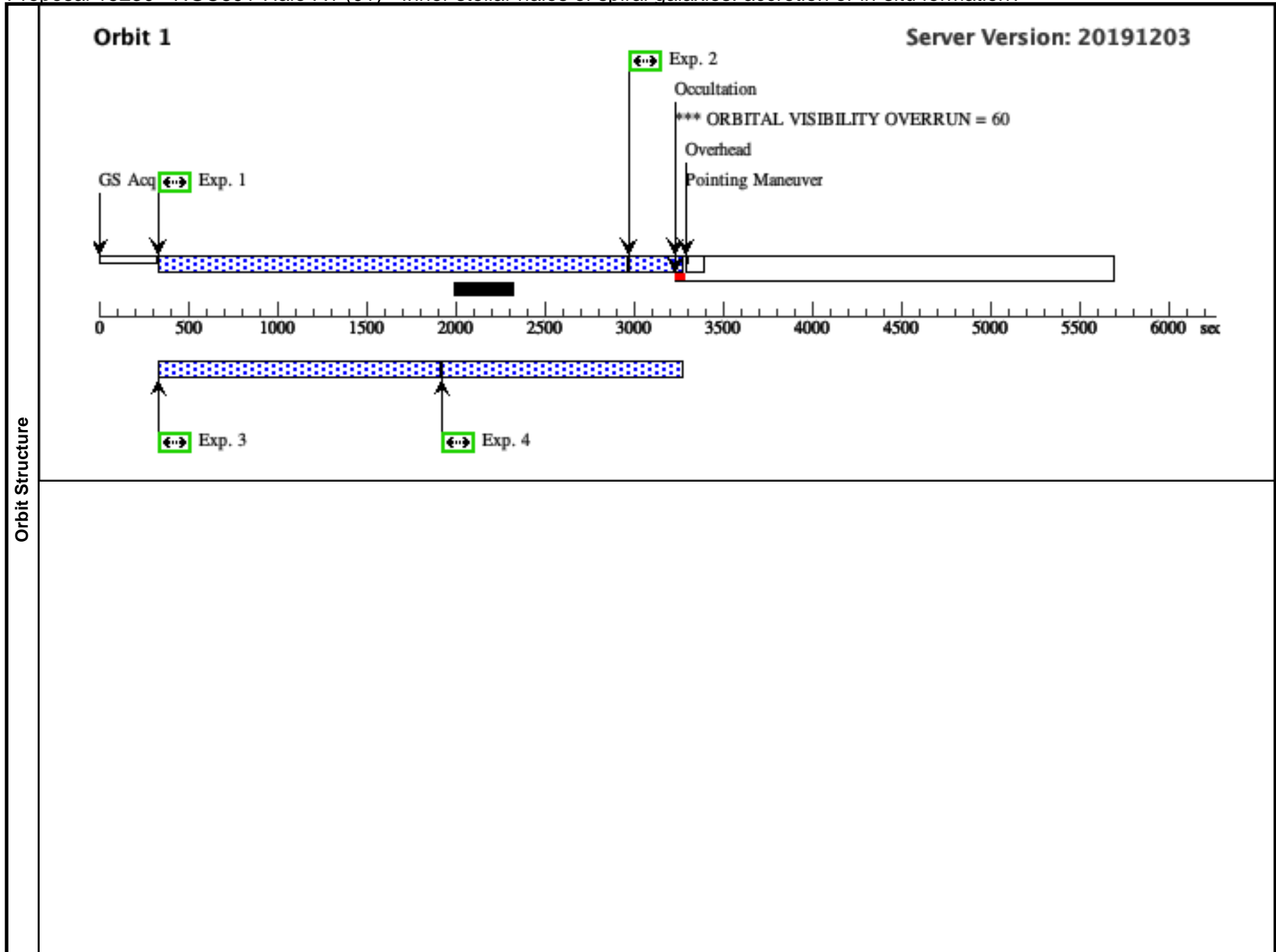
In NGC4565 we observe one halo field with F673N in two orientations, one with 8 orbits and one with 7 orbits. We expose 8/7x ~2400s in F673N and 8x320s in F606W and 7x 350s in F814W spread over 3 separate visits in each orientation. The orient is constrained such that the parallel fields falls in a interesting position to measure the halo CMD in a similar fashion as our previous GHOSTS observations. Here we expose 8/7x1300s in F606W and 8/7x1100s in F814W to reach similar depths as in our previous GHOSTS observations. The orients cannot be exactly 90 degrees separate to get maximum overlap due to scheduling constraints.

Proposal 15230 - NGC891-Halo-A1 (01) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Visit	Proposal 15230, NGC891-Halo-A1 (01), completed Wed Feb 05 22:01:07 GMT 2020 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 150D TO 162 D																						
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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>(1)</td> <td>NGC-891-FIELD-1</td> <td>RA: 02 23 16.3811 (35.8182546d) Dec: +42 17 43.62 (42.29545d) Equinox: J2000</td> <td></td> <td>V=9.93</td> <td>Reference Frame: SIMBAD</td> </tr> <tr> <td colspan="6"> <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=EXT-STAR</i> <i>Description=[AGB STAR, HALO, POPULATION II, TIDAL TAIL]</i> <i>Extended=NO</i> </td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	NGC-891-FIELD-1	RA: 02 23 16.3811 (35.8182546d) Dec: +42 17 43.62 (42.29545d) Equinox: J2000		V=9.93	Reference Frame: SIMBAD	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=EXT-STAR</i> <i>Description=[AGB STAR, HALO, POPULATION II, TIDAL TAIL]</i> <i>Extended=NO</i>				
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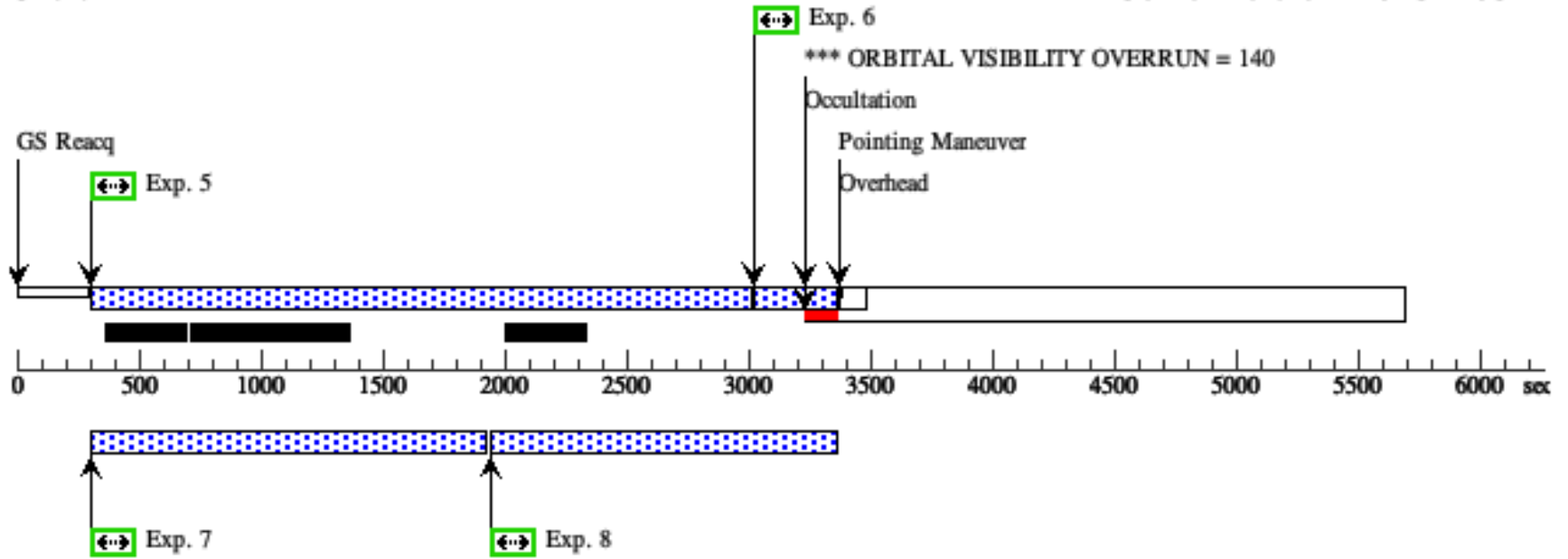
Proposal 15230 - NGC891-Halo-A1 (01) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.2143,0 .1247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (01)	2450 Secs (2481 Secs) [==>2481.0 Secs]	[1]
	2	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.2143,0 .1247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (01)	250 Secs (281 Secs) [==>281.0 Secs]	[1]
	3	ANY	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (01)	1300 Secs (1376 Secs) [==>1376.0 Secs]	[1]
	4	ANY	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (01)	1100 Secs (1176 Secs) [==>1176.0 Secs]	[1]
	5	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3		Prime + Parallel Group 5-8 in NGC891-Halo-A1 (01)	2550 Secs (2568 Secs) [==>2568.0 Secs]	[2]
	6	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Prime + Parallel Group 5-8 in NGC891-Halo-A1 (01)	300 Secs (318 Secs) [==>318.0 Secs]	[2]
	7	ANY	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (01)	1400 Secs (1445 Secs) [==>1445.0 Secs]	[2]
	8	ANY	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (01)	1200 Secs (1245 Secs) [==>1245.0 Secs]	[2]
	9	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG -0.2143, -0.1247	Prime + Parallel Group 9-12 in NGC891-Halo-A1 (01)	2550 Secs (2568 Secs) [==>2568.0 Secs]	[3]
	10	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.2143, -0.1247	Prime + Parallel Group 9-12 in NGC891-Halo-A1 (01)	300 Secs (318 Secs) [==>318.0 Secs]	[3]
	11	ANY	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-12 in NGC891-Halo-A1 (01)	1400 Secs (1445 Secs) [==>1445.0 Secs]	[3]
12	ANY	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-12 in NGC891-Halo-A1 (01)	1200 Secs (1245 Secs) [==>1245.0 Secs]	[3]	



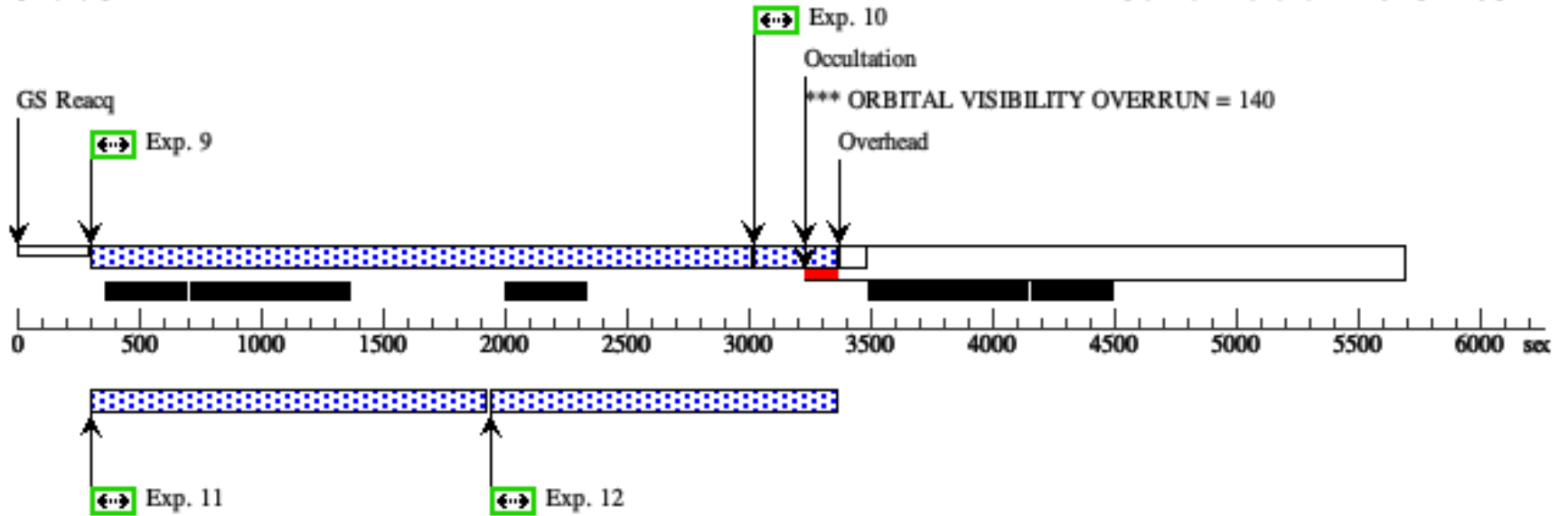
Orbit 2

Server Version: 20191203



Orbit 3

Server Version: 20191203

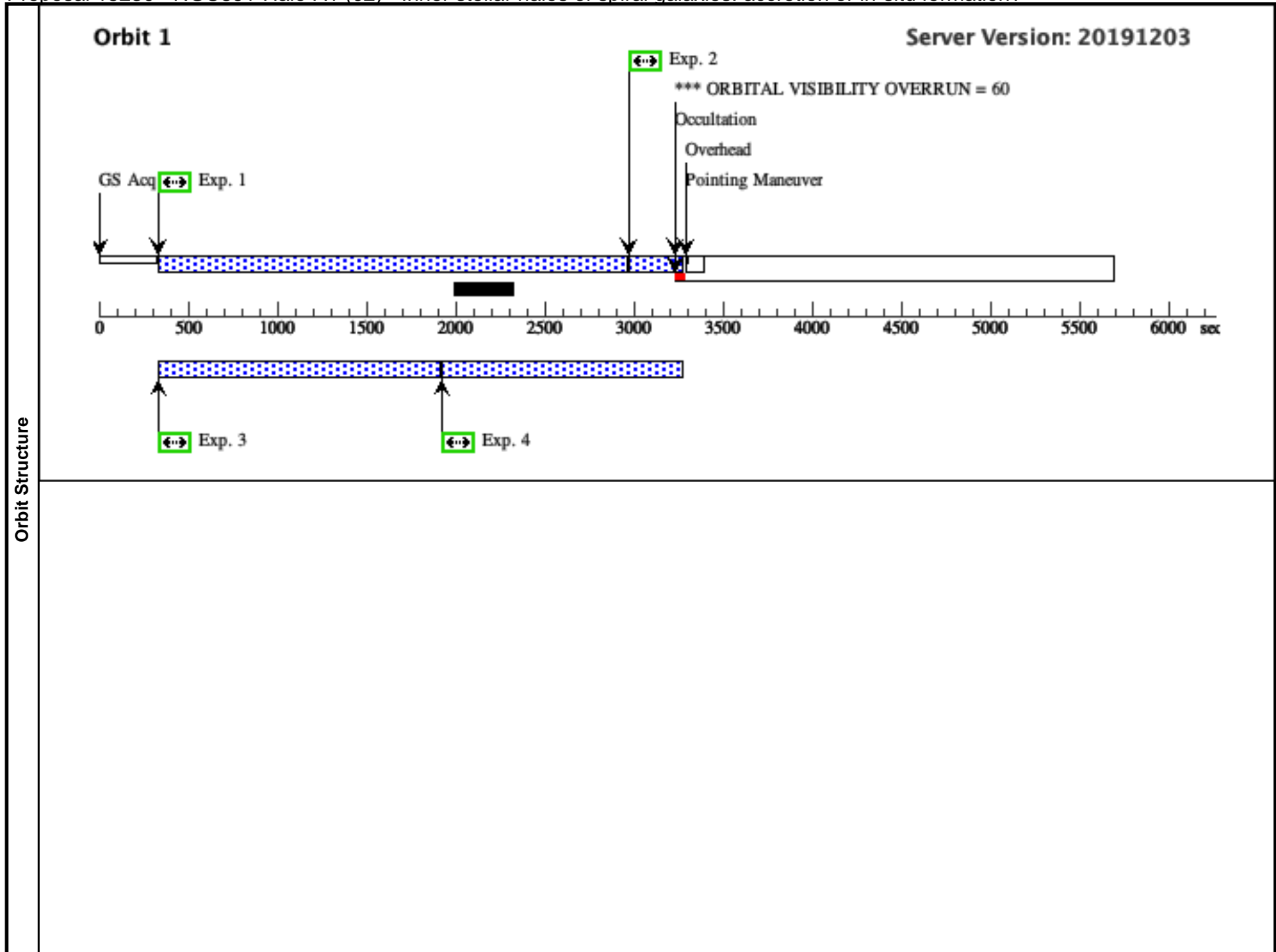


Proposal 15230 - NGC891-Halo-A1 (02) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Visit	Proposal 15230, NGC891-Halo-A1 (02), failed Wed Feb 05 22:01:07 GMT 2020 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01																						
	Diagnostics	(NGC891-Halo-A1 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC891-Halo-A1 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC891-Halo-A1 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																					
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(1)	NGC-891-FIELD-1	RA: 02 23 16.3811 (35.8182546d) Dec: +42 17 43.62 (42.29545d) Equinox: J2000		V=9.93	Reference Frame: SIMBAD																		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=EXT-STAR</i> <i>Description=[AGB STAR, HALO, POPULATION II, TIDAL TAIL]</i> <i>Extended=NO</i>																							

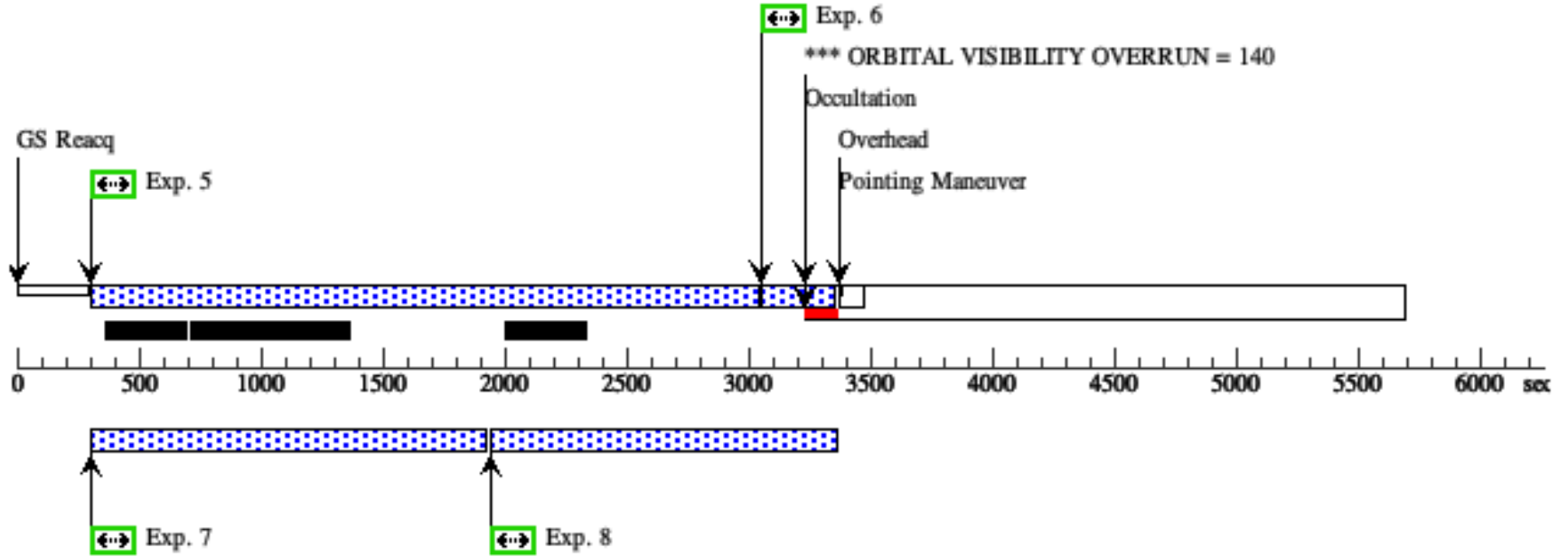
Proposal 15230 - NGC891-Halo-A1 (02) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (02)	2450 Secs (2481 Secs) [==>2481.0 Secs]	[1]
	2	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (02)	250 Secs (281 Secs) [==>281.0 Secs]	[1]
	3	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (02)	1300 Secs (1376 Secs) [==>1376.0 Secs]	[1]
	4	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (02)	1100 Secs (1176 Secs) [==>1176.0 Secs]	[1]
	5	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC891-Halo-A1 (02)	2600 Secs (2600 Secs) [==>]	[2]
	6	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC891-Halo-A1 (02)	280 Secs (280 Secs) [==>]	[2]
	7	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (02)	1400 Secs (1445 Secs) [==>1445.0 Secs]	[2]
	8	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (02)	1200 Secs (1245 Secs) [==>1245.0 Secs]	[2]
	9	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG -0.4143,0.1247	Prime + Parallel Group 9-12 in NGC891-Halo-A1 (02)	2550 Secs (2568 Secs) [==>2568.0 Secs]	[3]
	10	(1) NGC-891-FIELD -1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.4143,0.1247	Prime + Parallel Group 9-12 in NGC891-Halo-A1 (02)	300 Secs (318 Secs) [==>318.0 Secs]	[3]
	11	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-12 in NGC891-Halo-A1 (02)	1400 Secs (1445 Secs) [==>1445.0 Secs]	[3]
12	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-12 in NGC891-Halo-A1 (02)	1200 Secs (1245 Secs) [==>1245.0 Secs]	[3]	



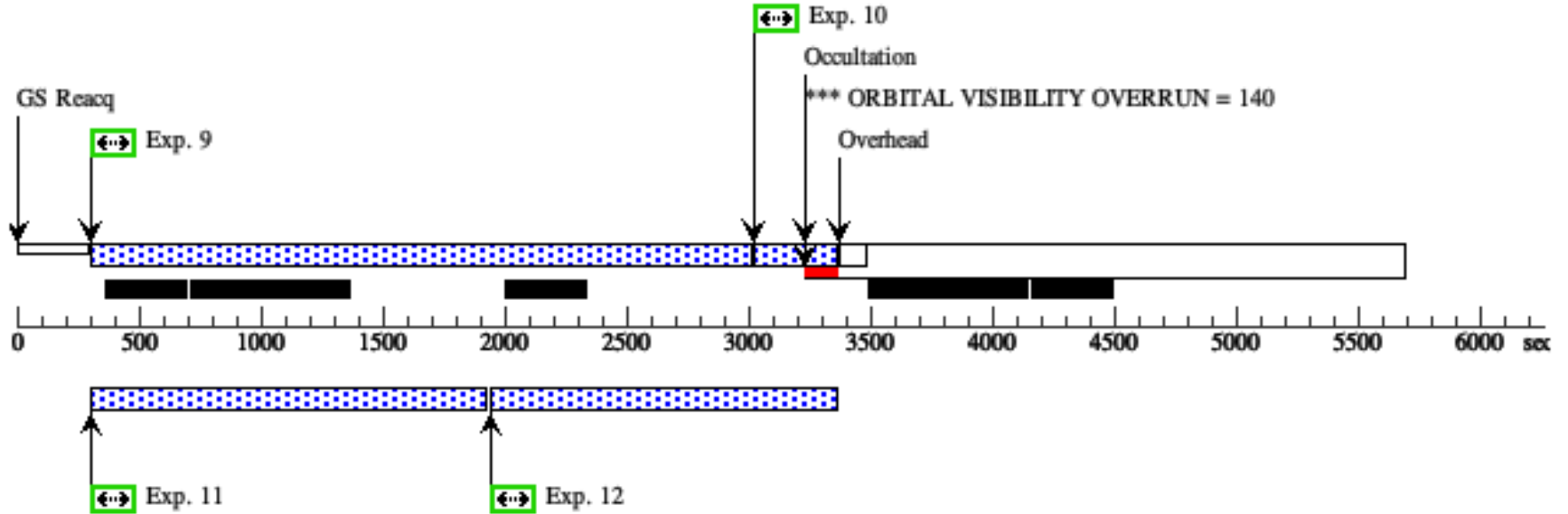
Orbit 2

Server Version: 20191203



Orbit 3

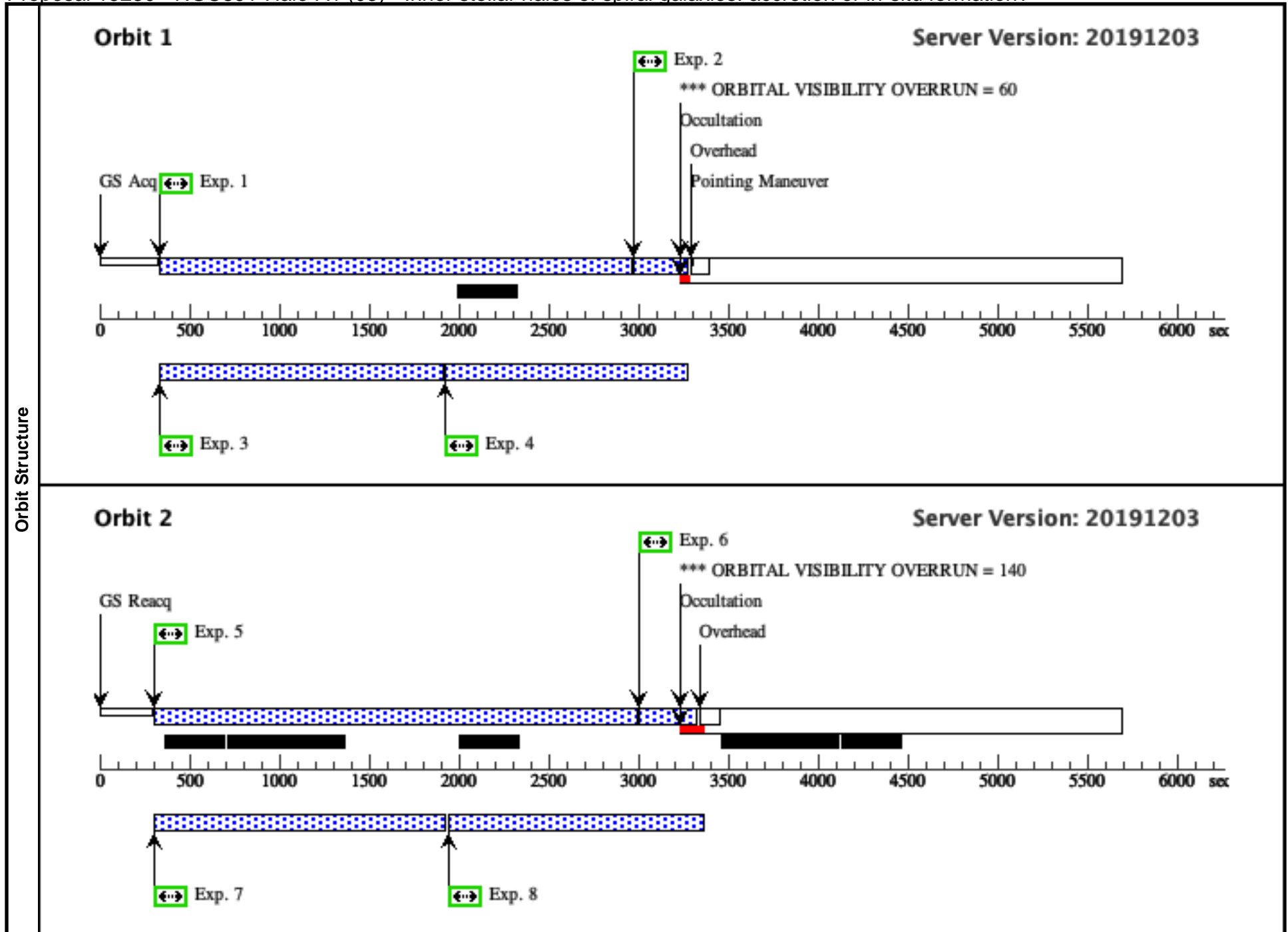
Server Version: 20191203



Proposal 15230 - NGC891-Halo-A1 (03) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Wed Feb 05 22:01:07 GMT 2020

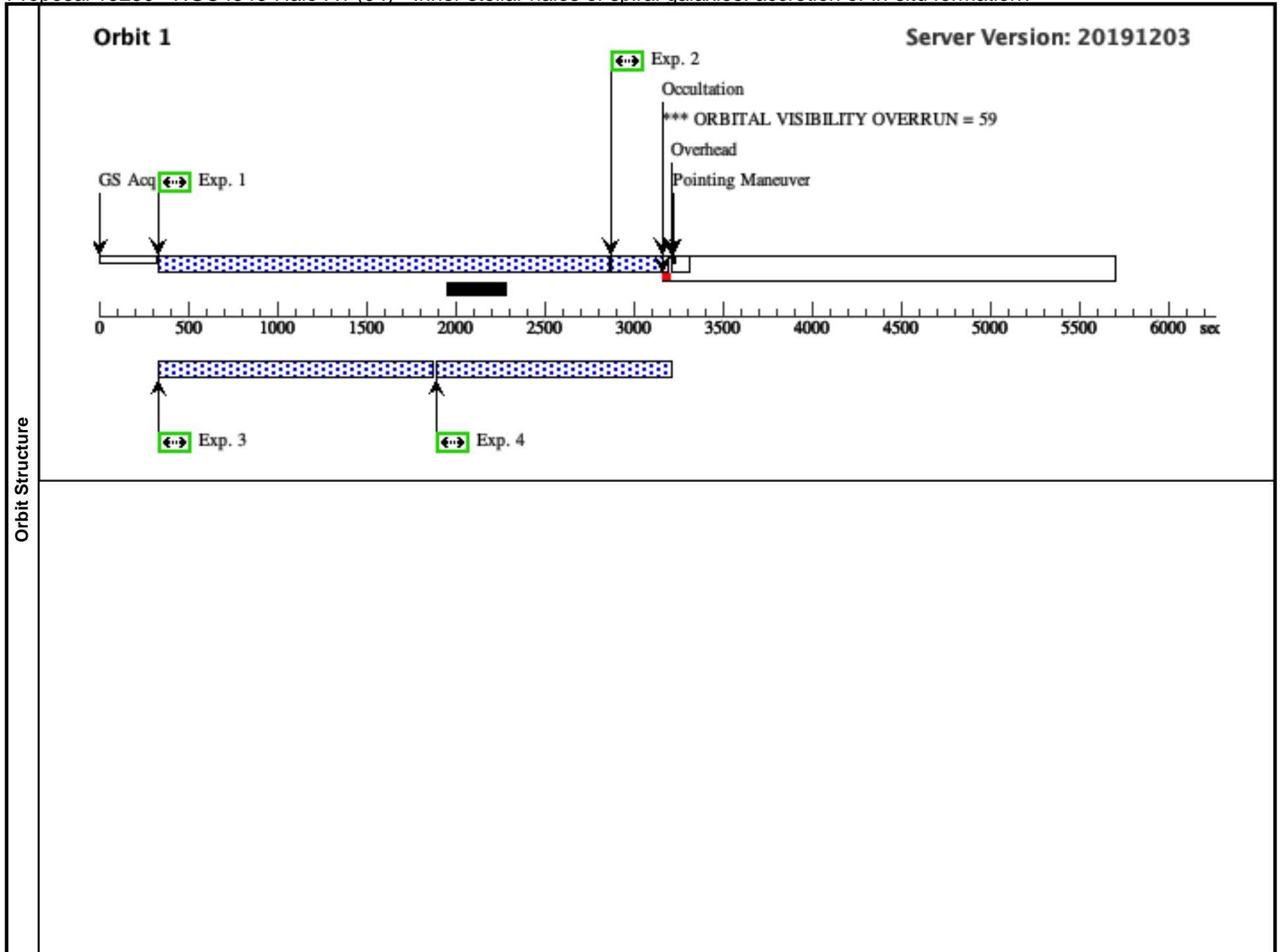
Visit	Proposal 15230, NGC891-Halo-A1 (03), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01									
	(NGC891-Halo-A1 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC891-Halo-A1 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(1)	NGC-891-FIELD-1	RA: 02 23 16.3811 (35.8182546d) Dec: +42 17 43.62 (42.29545d) Equinox: J2000				V=9.93	Reference Frame: SIMBAD		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II, TIDAL TAIL] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.7143,-0.3247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (03)	2450 Secs (2481 Secs) [==>2481.0 Secs]	[1]
	2		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.7143,-0.3247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (03)	250 Secs (281 Secs) [==>281.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (03)	1300 Secs (1376 Secs) [==>1376.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (03)	1100 Secs (1176 Secs) [==>1176.0 Secs]	[1]
	5		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG -0.6,-0.2	Prime + Parallel Group 5-8 in NGC891-Halo-A1 (03)	2550 Secs (2550 Secs) [==>]	[2]
	6		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG -0.6,-0.2	Prime + Parallel Group 5-8 in NGC891-Halo-A1 (03)	300 Secs (300 Secs) [==>]	[2]
	7		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (03)	1400 Secs (1445 Secs) [==>1445.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (03)	1200 Secs (1245 Secs) [==>1245.0 Secs]	[2]



Proposal 15230 - NGC4546-Halo-A1 (04) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

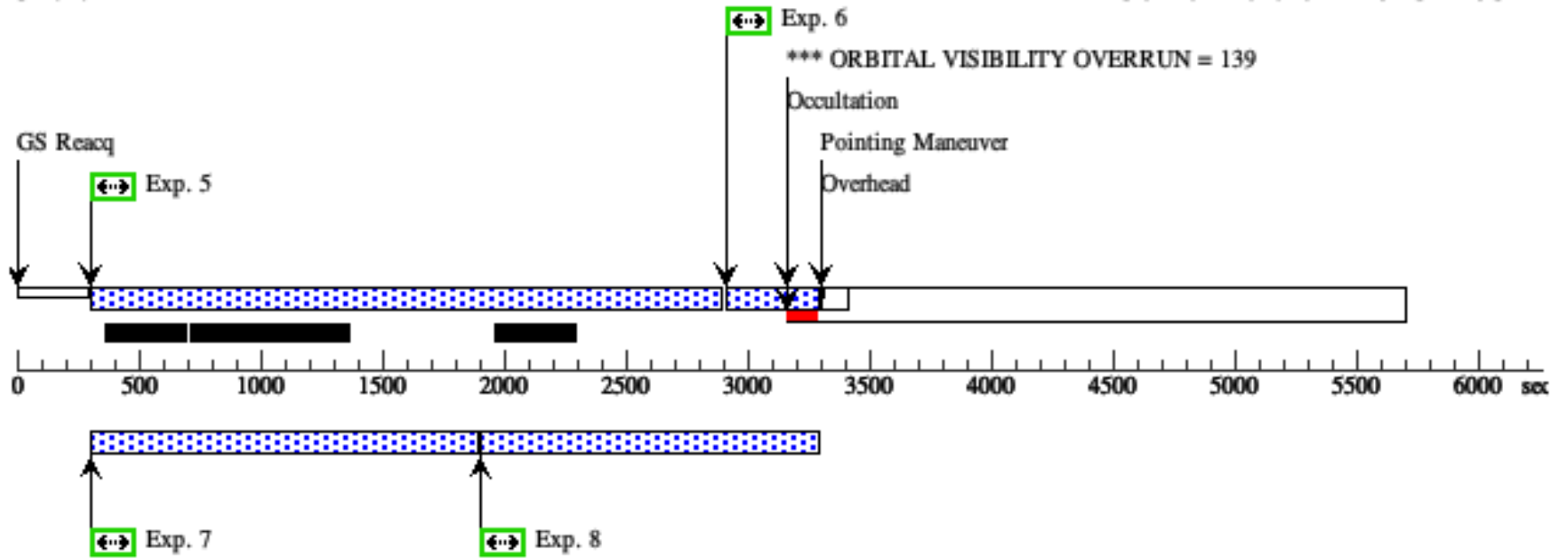
Wed Feb 05 22:01:07 GMT 2020

Visit	Proposal 15230, NGC4546-Halo-A1 (04), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 85D TO 89 D									
	(NGC4546-Halo-A1 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4546-Halo-A1 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4546-Halo-A1 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-4565-FIELD-1	RA: 12 36 41.6246 (189.1734358d) Dec: +26 04 6.21 (26.06839d) Equinox: J2000		V=12.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=4	POS TARG 0.2143,0.1247	Prime + Parallel Group 1-4 in NGC4546-Halo-A1 (04)	2380 Secs (2380 Secs) [==>]	[1]	
	2	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=2	POS TARG 0.2143,0.1247	Prime + Parallel Group 1-4 in NGC4546-Halo-A1 (04)	300 Secs (300 Secs) [==>]	[1]	
	3	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC4546-Halo-A1 (04)	1300 Secs (1339 Secs) [==>1339.0 Secs]	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC4546-Halo-A1 (04)	1100 Secs (1139 Secs) [==>1139.0 Secs]	[1]	
	5	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3		Prime + Parallel Group 5-8 in NGC4546-Halo-A1 (04)	2450 Secs (2456 Secs) [==>2456.0 Secs]	[2]	
	6	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5		Prime + Parallel Group 5-8 in NGC4546-Halo-A1 (04)	350 Secs (356 Secs) [==>356.0 Secs]	[2]	
	7	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC4546-Halo-A1 (04)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC4546-Halo-A1 (04)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[2]	
	9	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG -0.2143,-0.1247	Prime + Parallel Group 9-12 in NGC4546-Halo-A1 (04)	2450 Secs (2456 Secs) [==>2456.0 Secs]	[3]	
	10	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG -0.2143,-0.1247	Prime + Parallel Group 9-12 in NGC4546-Halo-A1 (04)	350 Secs (356 Secs) [==>356.0 Secs]	[3]	
	11	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-12 in NGC4546-Halo-A1 (04)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[3]	
12	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-12 in NGC4546-Halo-A1 (04)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[3]		



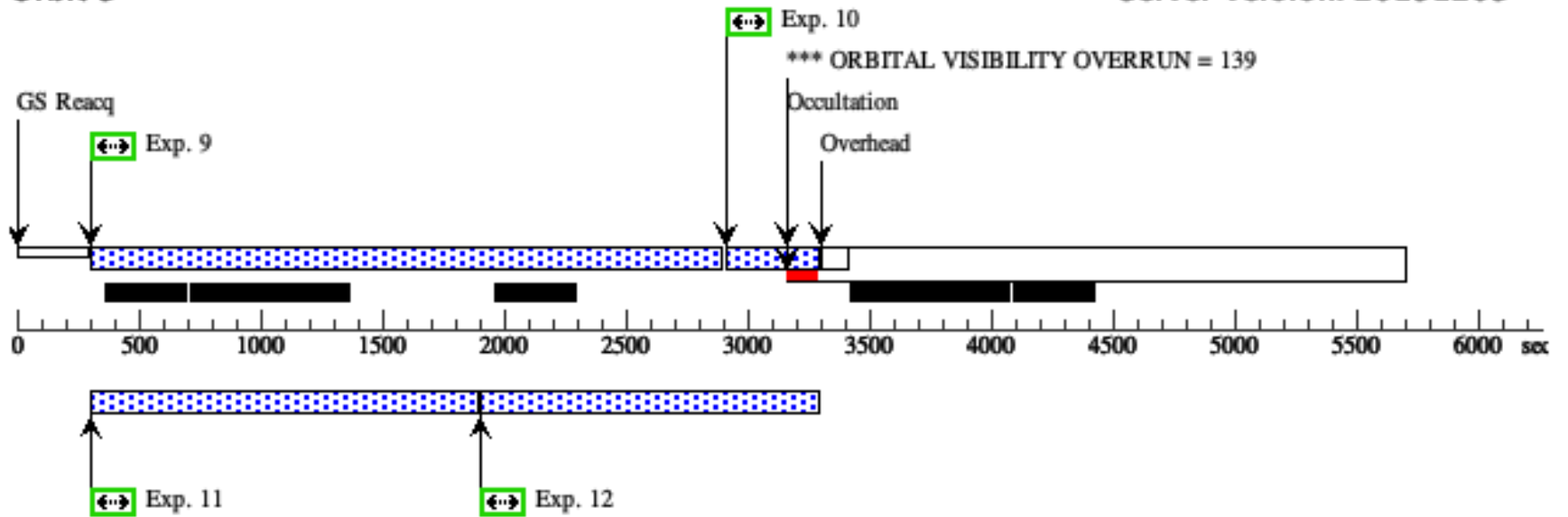
Orbit 2

Server Version: 20191203



Orbit 3

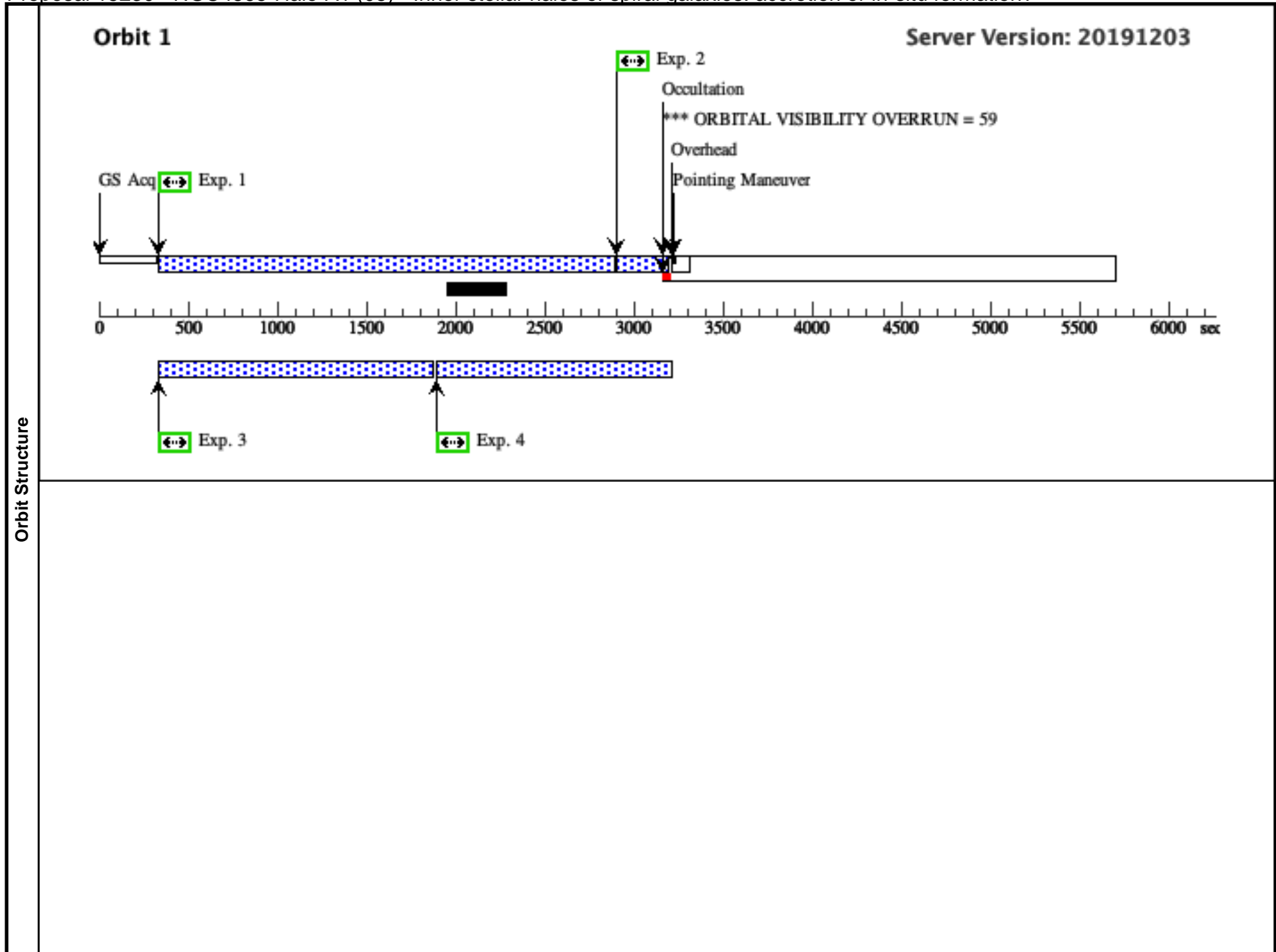
Server Version: 20191203



Proposal 15230 - NGC4565-Halo-A1 (05) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

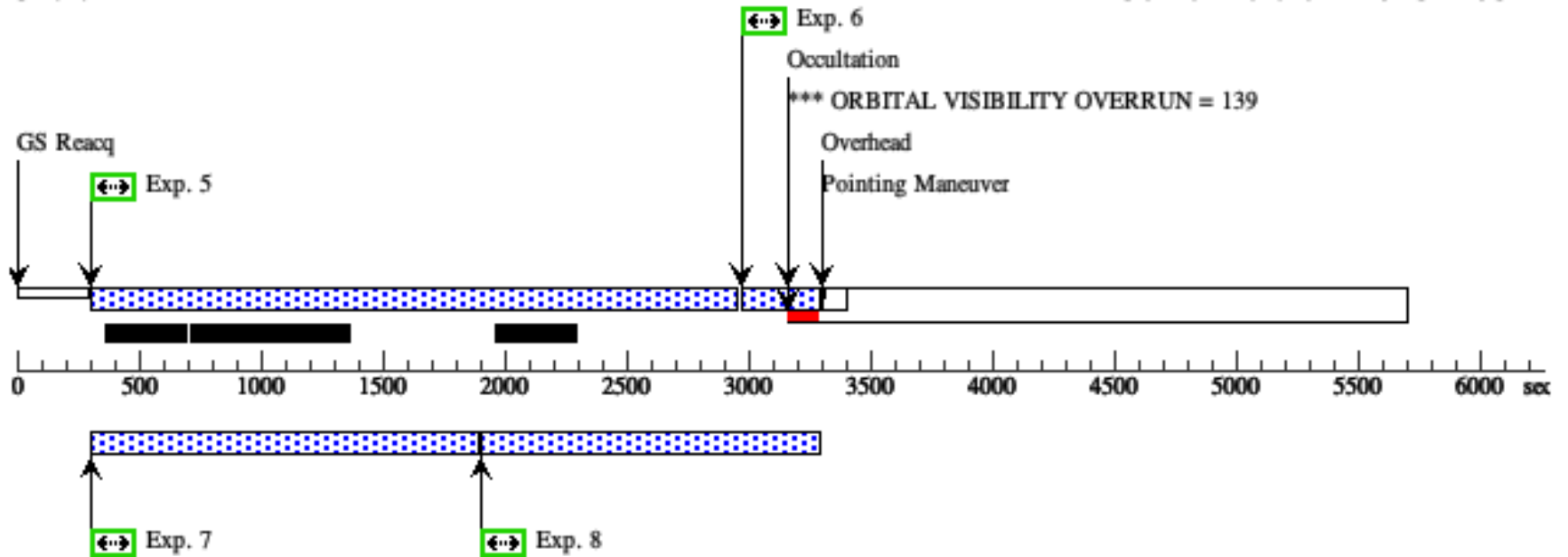
Wed Feb 05 22:01:07 GMT 2020

Visit	Proposal 15230, NGC4565-Halo-A1 (05), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 85D TO 89 D									
	(NGC4565-Halo-A1 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4565-Halo-A1 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4565-Halo-A1 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(2)	NGC-4565-FIELD-1	RA: 12 36 41.6246 (189.1734358d) Dec: +26 04 6.21 (26.06839d) Equinox: J2000			V=12.43	Reference Frame: SIMBAD			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (05)	2410 Secs (2410 Secs) [==>]	[1]	
	2	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=1	POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (05)	270 Secs (270 Secs) [==>]	[1]	
	3	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (05)	1300 Secs (1339 Secs) [==>1339.0 Secs]	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (05)	1100 Secs (1139 Secs) [==>1139.0 Secs]	[1]	
	5	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (05)	2500 Secs (2516 Secs) [==>2516.0 Secs]	[2]	
	6	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (05)	280 Secs (296 Secs) [==>296.0 Secs]	[2]	
	7	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (05)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (05)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[2]	
	9	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG -0.4143,0.1247	Prime + Parallel Group 9-12 in NGC4565-Halo-A1 (05)	2500 Secs (2506 Secs) [==>2506.0 Secs]	[3]	
	10	(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG -0.4143,0.1247	Prime + Parallel Group 9-12 in NGC4565-Halo-A1 (05)	300 Secs (306 Secs) [==>306.0 Secs]	[3]	
	11	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-12 in NGC4565-Halo-A1 (05)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[3]	
12	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-12 in NGC4565-Halo-A1 (05)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[3]		



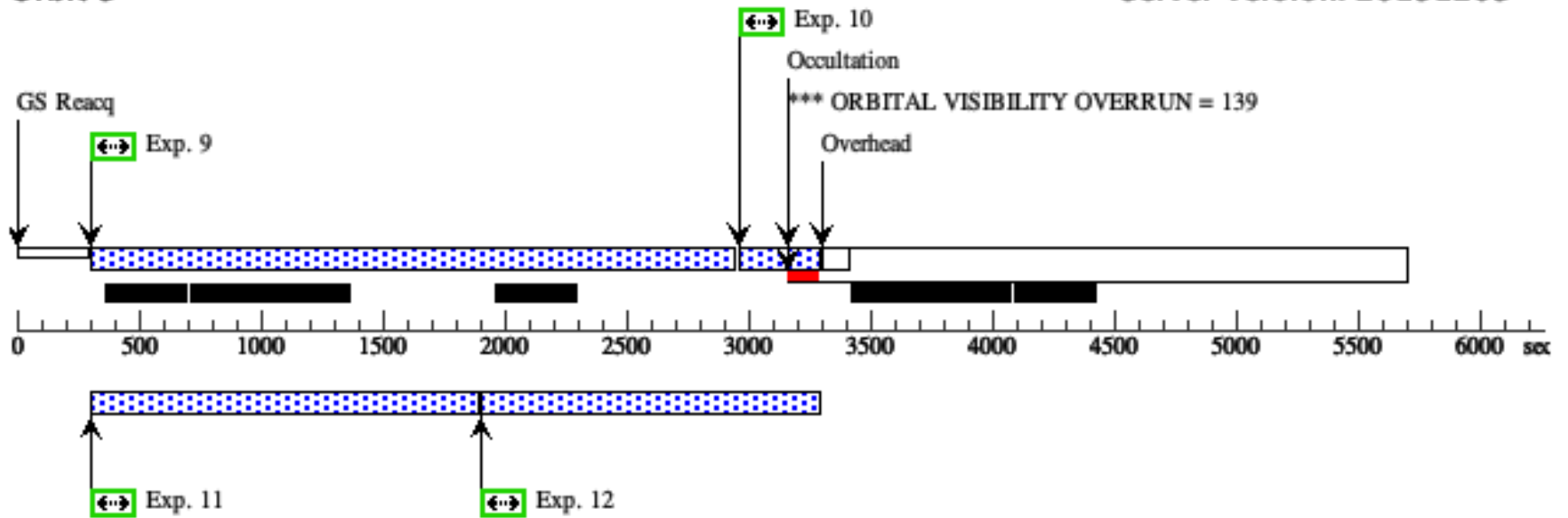
Orbit 2

Server Version: 20191203



Orbit 3

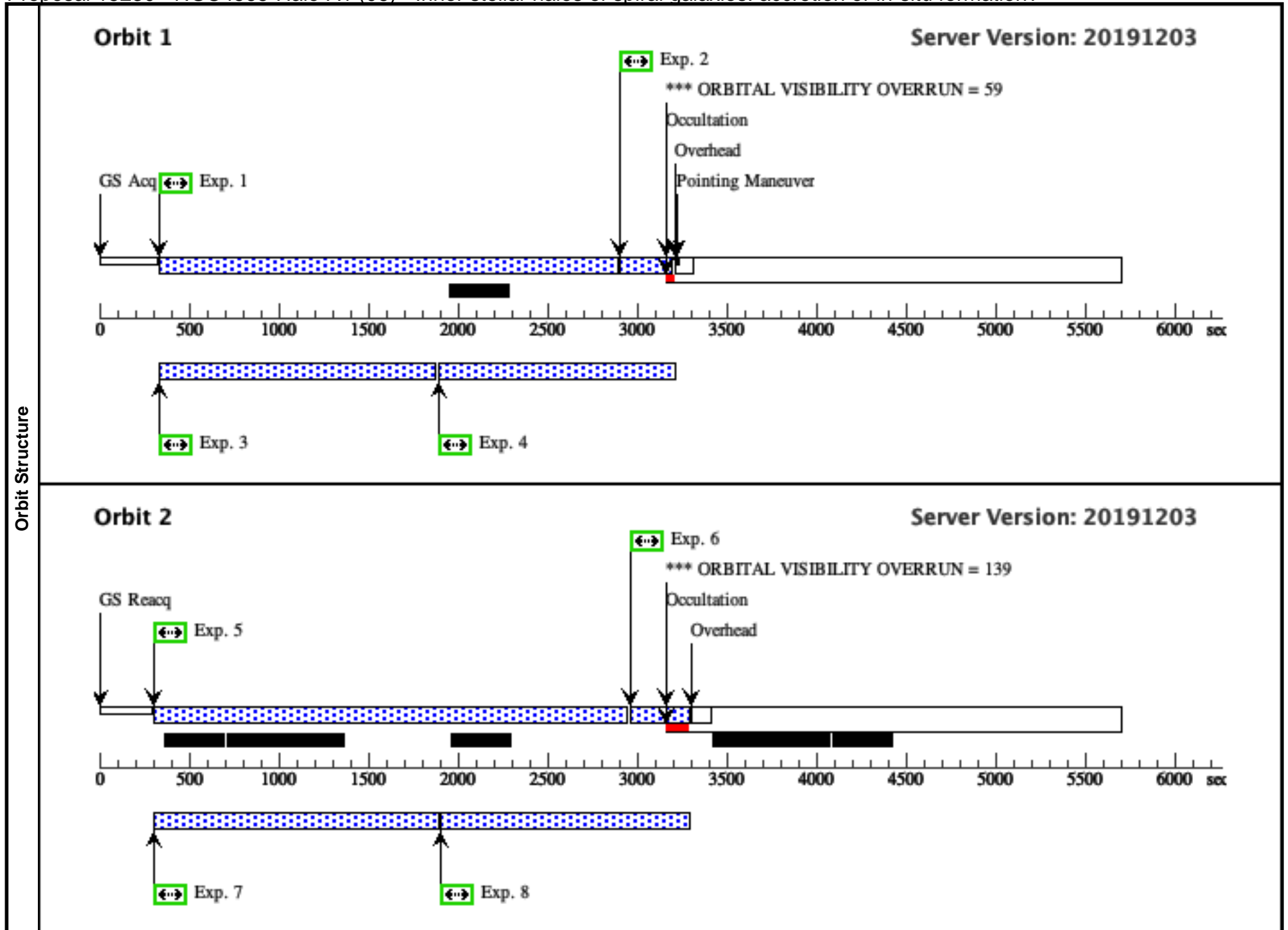
Server Version: 20191203



Proposal 15230 - NGC4565-Halo-A1 (06) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Wed Feb 05 22:01:08 GMT 2020

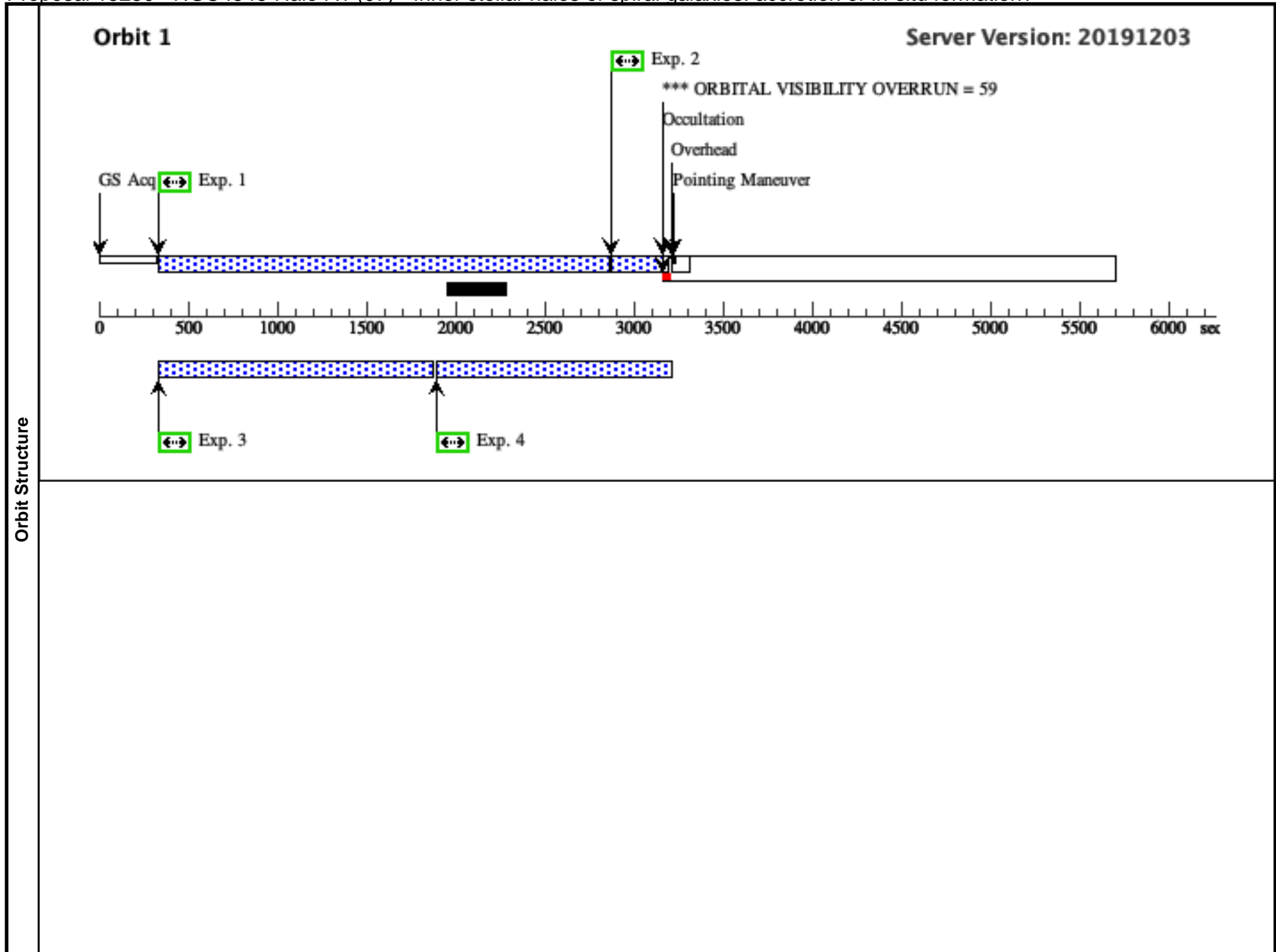
Visit	Proposal 15230, NGC4565-Halo-A1 (06), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 85D TO 89 D									
	(NGC4565-Halo-A1 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4565-Halo-A1 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-4565-FIELD-1	RA: 12 36 41.6246 (189.1734358d) Dec: +26 04 6.21 (26.06839d) Equinox: J2000		V=12.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.7143,-0.3247	Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (06)	2410 Secs (2410 Secs) [==>]	[1]
	2		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=1	POS TARG 0.7143,-0.3247	Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (06)	270 Secs (270 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (06)	1300 Secs (1339 Secs) [==>1339.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (06)	1100 Secs (1139 Secs) [==>1139.0 Secs]	[1]
	5		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG -0.6,-0.2	Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (06)	2500 Secs (2506 Secs) [==>2506.0 Secs]	[2]
	6		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG -0.6,-0.2	Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (06)	300 Secs (306 Secs) [==>306.0 Secs]	[2]
	7		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (06)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (06)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[2]



Proposal 15230 - NGC4546-Halo-A1 (07) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

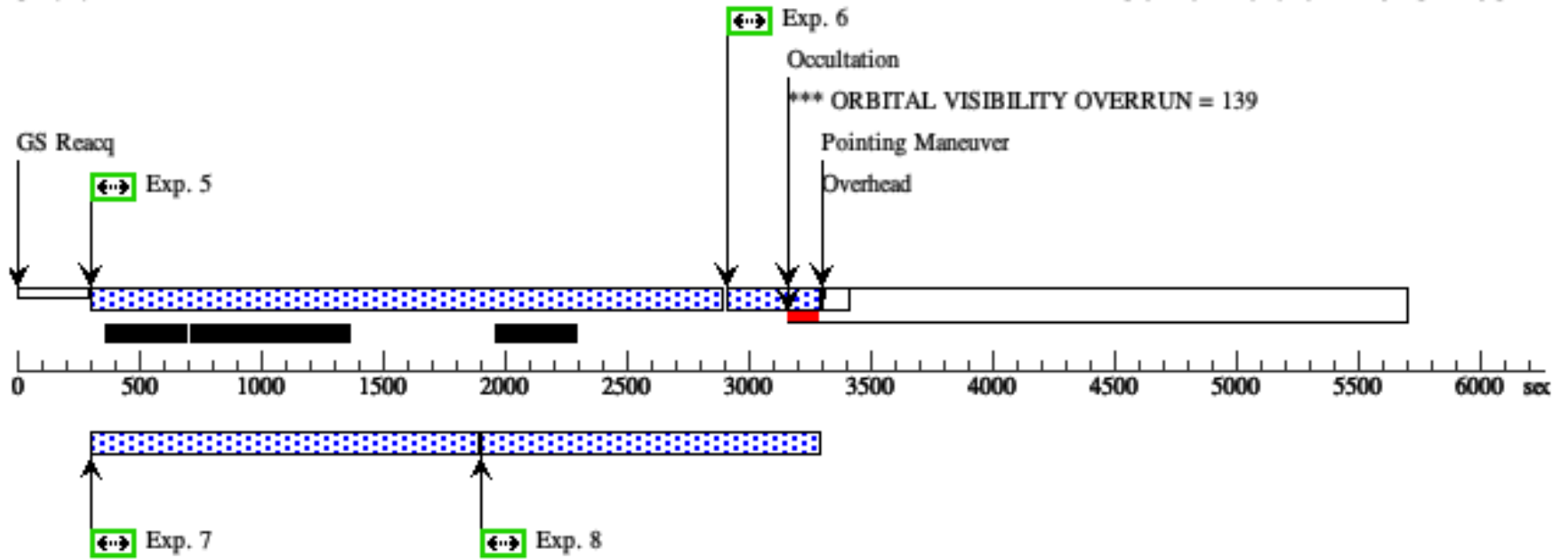
Wed Feb 05 22:01:08 GMT 2020

Visit	Proposal 15230, NGC4546-Halo-A1 (07), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 163D TO 174 D									
	Diagnostics	(NGC4546-Halo-A1 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4546-Halo-A1 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4546-Halo-A1 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(2)	NGC-4565-FIELD-1	RA: 12 36 41.6246 (189.1734358d) Dec: +26 04 6.21 (26.06839d) Equinox: J2000		V=12.43	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=4	POS TARG 0.2143,0.1247	Prime + Parallel Group 1-4 in NGC4546-Halo-A1 (07)	2380 Secs (2380 Secs) [==>]	[1]
	2		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=2	POS TARG 0.2143,0.1247	Prime + Parallel Group 1-4 in NGC4546-Halo-A1 (07)	300 Secs (300 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC4546-Halo-A1 (07)	1300 Secs (1339 Secs) [==>1339.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC4546-Halo-A1 (07)	1100 Secs (1139 Secs) [==>1139.0 Secs]	[1]
	5		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3		Prime + Parallel Group 5-8 in NGC4546-Halo-A1 (07)	2450 Secs (2456 Secs) [==>2456.0 Secs]	[2]
	6		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5		Prime + Parallel Group 5-8 in NGC4546-Halo-A1 (07)	350 Secs (356 Secs) [==>356.0 Secs]	[2]
	7		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC4546-Halo-A1 (07)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC4546-Halo-A1 (07)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[2]
	9		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG -0.2143,-0.1247	Prime + Parallel Group 9-12 in NGC4546-Halo-A1 (07)	2450 Secs (2456 Secs) [==>2456.0 Secs]	[3]
	10		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG -0.2143,-0.1247	Prime + Parallel Group 9-12 in NGC4546-Halo-A1 (07)	350 Secs (356 Secs) [==>356.0 Secs]	[3]
	11		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-12 in NGC4546-Halo-A1 (07)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-12 in NGC4546-Halo-A1 (07)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[3]	



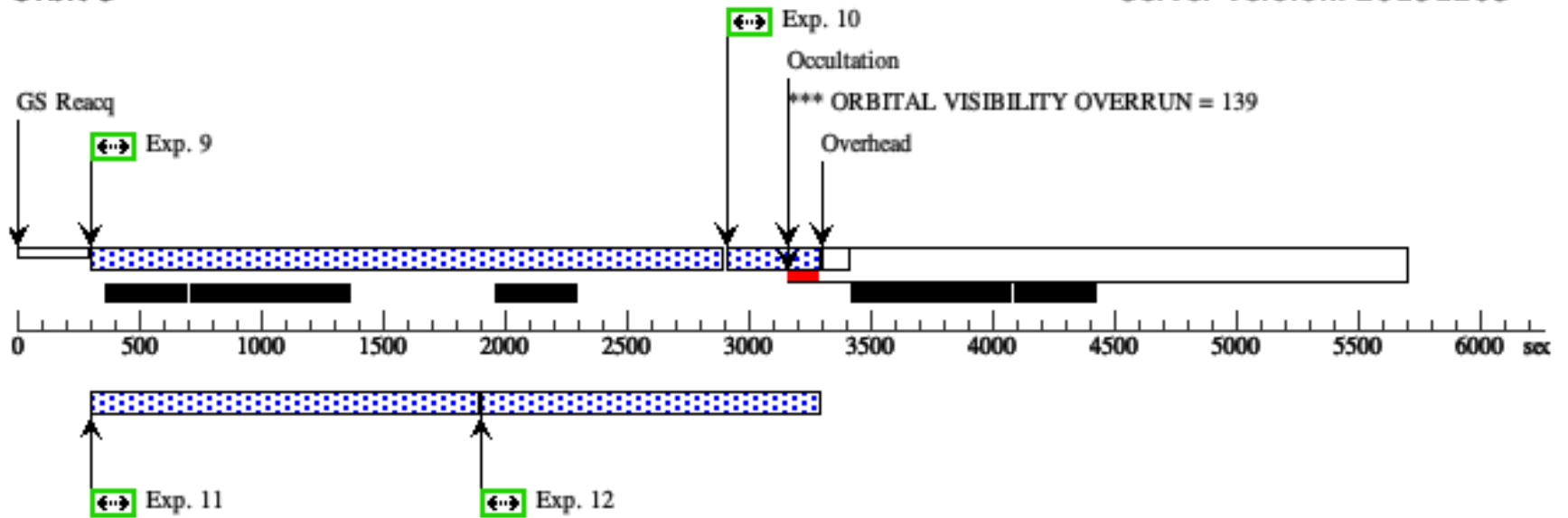
Orbit 2

Server Version: 20191203



Orbit 3

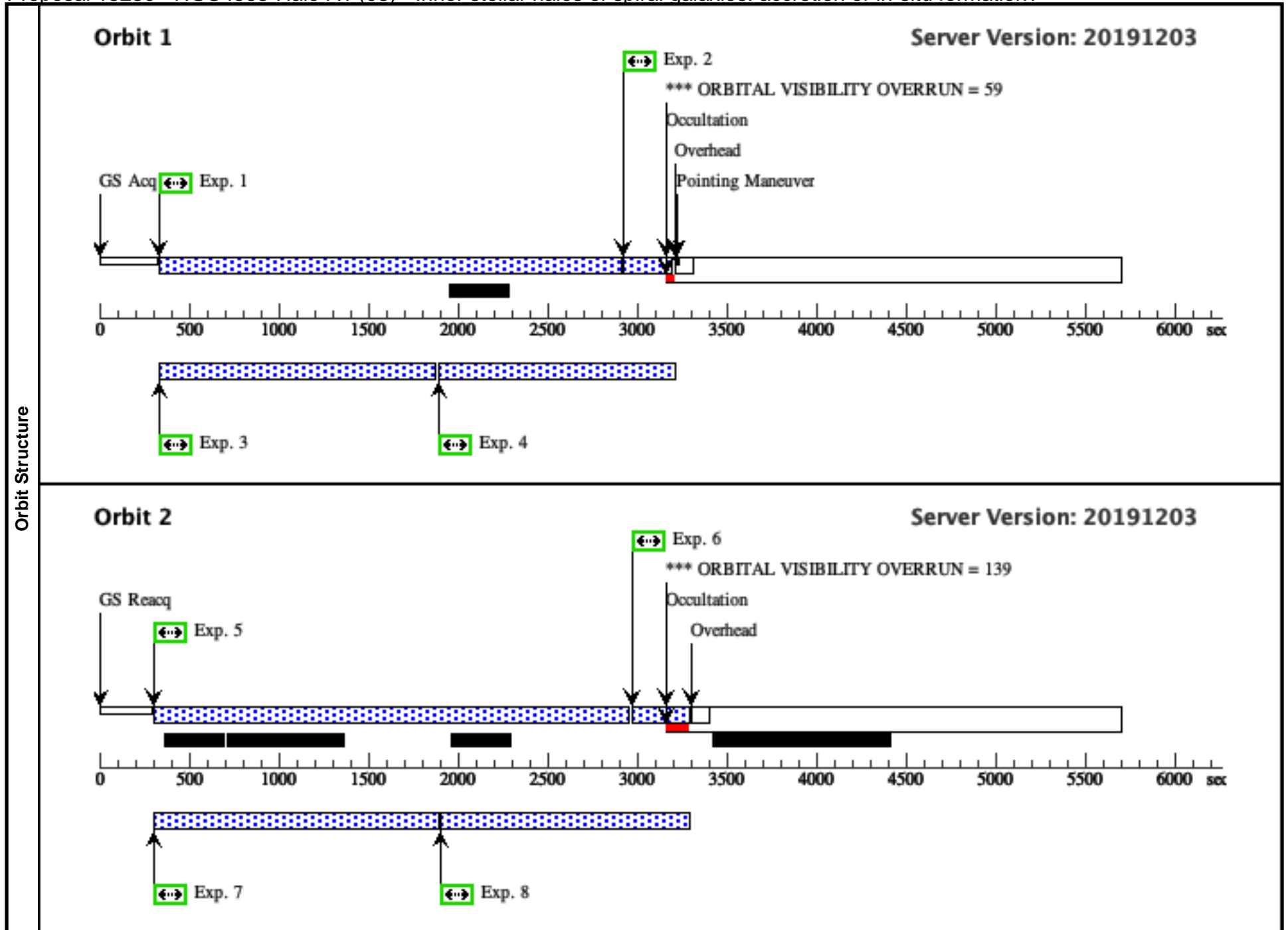
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Proposal 15230 - NGC4565-Halo-A1 (08) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Wed Feb 05 22:01:08 GMT 2020

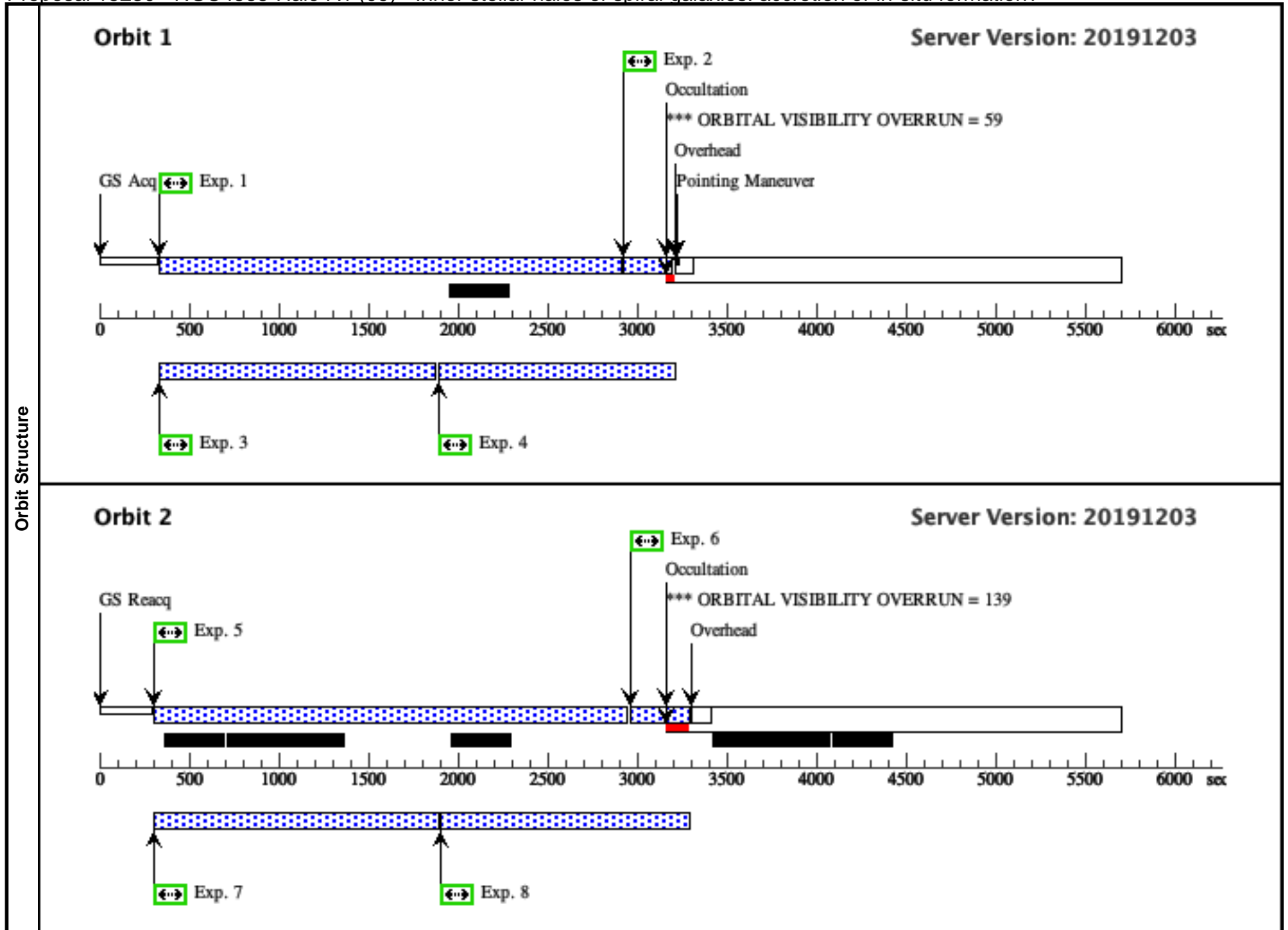
Visit	Proposal 15230, NGC4565-Halo-A1 (08), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 163D TO 174 D									
	(NGC4565-Halo-A1 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4565-Halo-A1 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-4565-FIELD-1	RA: 12 36 41.6246 (189.1734358d) Dec: +26 04 6.21 (26.06839d) Equinox: J2000		V=12.43	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (08)	2430 Secs (2430 Secs) [==>]	[1]
	2		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=2	POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (08)	250 Secs (250 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (08)	1300 Secs (1339 Secs) [==>1339.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (08)	1100 Secs (1139 Secs) [==>1139.0 Secs]	[1]
	5		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (08)	2500 Secs (2516 Secs) [==>2516.0 Secs]	[2]
	6		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (08)	280 Secs (296 Secs) [==>296.0 Secs]	[2]
	7		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (08)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (08)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[2]



Proposal 15230 - NGC4565-Halo-A1 (09) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Wed Feb 05 22:01:08 GMT 2020

Visit	Proposal 15230, NGC4565-Halo-A1 (09), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 163D TO 174 D									
	(NGC4565-Halo-A1 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC4565-Halo-A1 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(2)	NGC-4565-FIELD-1	RA: 12 36 41.6246 (189.1734358d) Dec: +26 04 6.21 (26.06839d) Equinox: J2000			V=12.43	Reference Frame: SIMBAD			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG 0.7143,-0.3247	Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (09)	2430 Secs (2430 Secs) [==>]	[1]
	2		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=2	POS TARG 0.7143,-0.3247	Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (09)	250 Secs (250 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (09)	1300 Secs (1339 Secs) [==>1339.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC4565-Halo-A1 (09)	1100 Secs (1139 Secs) [==>1139.0 Secs]	[1]
	5		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=3	POS TARG -0.6,-0.2	Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (09)	2500 Secs (2506 Secs) [==>2506.0 Secs]	[2]
	6		(2) NGC-4565-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG -0.6,-0.2	Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (09)	300 Secs (306 Secs) [==>306.0 Secs]	[2]
	7		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (09)	1400 Secs (1408 Secs) [==>1408.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC4565-Halo-A1 (09)	1200 Secs (1208 Secs) [==>1208.0 Secs]	[2]

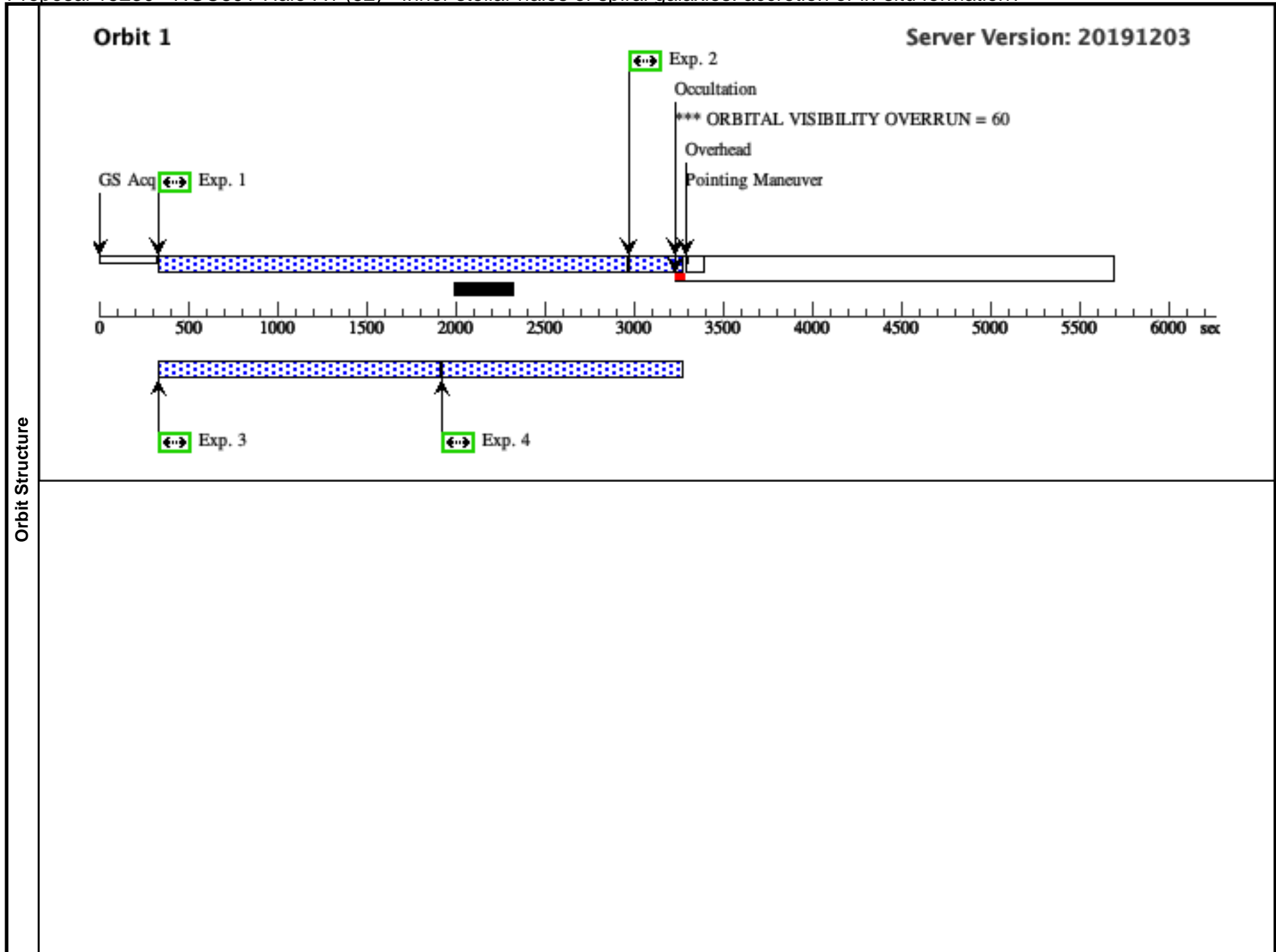


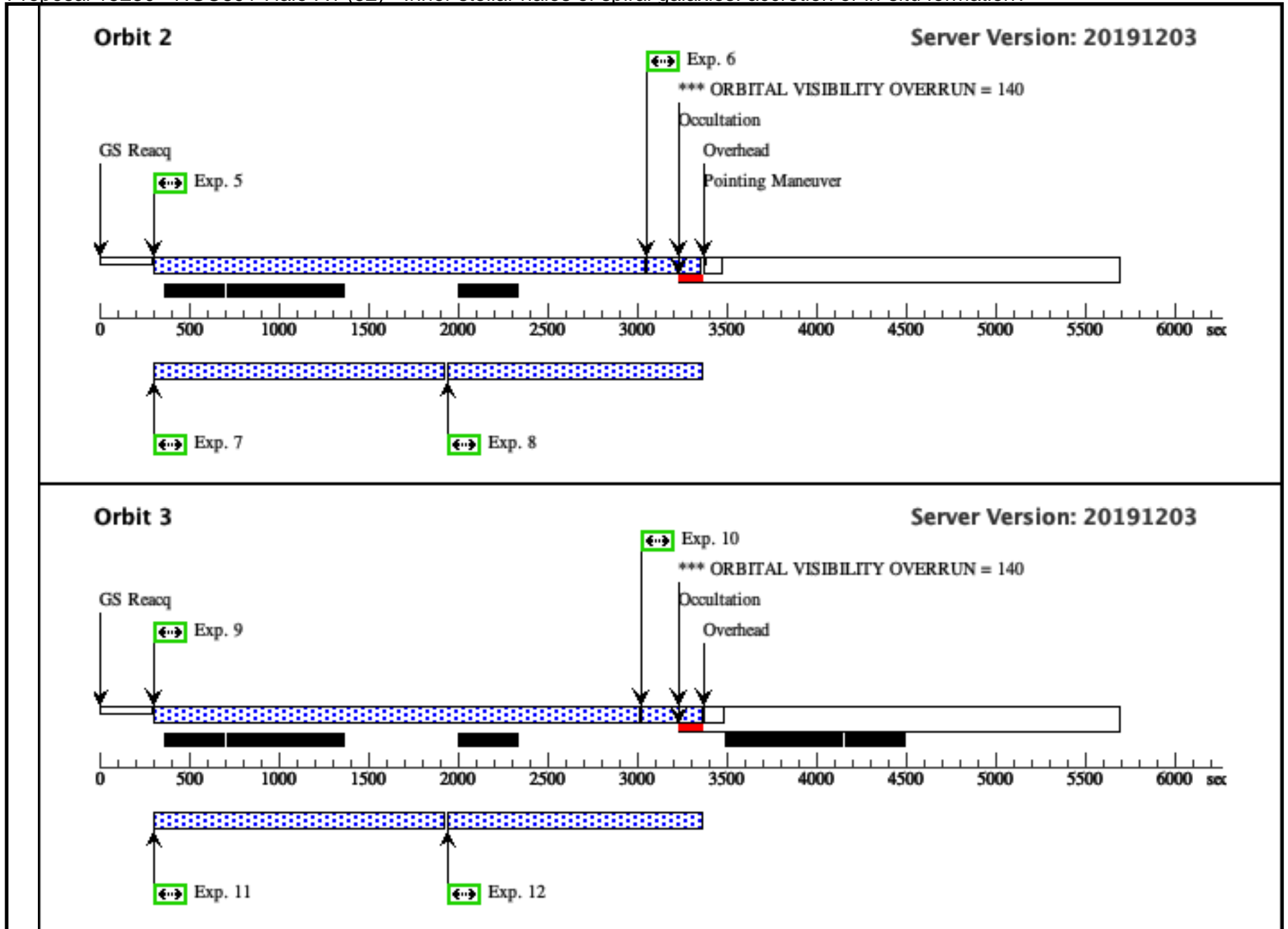
Proposal 15230 - NGC891-Halo-A1 (52) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Visit	Proposal 15230, NGC891-Halo-A1 (52), failed Wed Feb 05 22:01:08 GMT 2020 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01																
	Diagnosics (NGC891-Halo-A1 (52)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC891-Halo-A1 (52)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (NGC891-Halo-A1 (52)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																
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>(1)</td> <td>NGC-891-FIELD-1</td> <td>RA: 02 23 16.3811 (35.8182546d) Dec: +42 17 43.62 (42.29545d) Equinox: J2000</td> <td></td> <td>V=9.93</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	NGC-891-FIELD-1	RA: 02 23 16.3811 (35.8182546d) Dec: +42 17 43.62 (42.29545d) Equinox: J2000		V=9.93	Reference Frame: SIMBAD
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)	NGC-891-FIELD-1	RA: 02 23 16.3811 (35.8182546d) Dec: +42 17 43.62 (42.29545d) Equinox: J2000		V=9.93	Reference Frame: SIMBAD												
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II, TIDAL TAIL] Extended=NO																	

Proposal 15230 - NGC891-Halo-A1 (52) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=5	POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (52)	2450 Secs (2481 Secs) [==>2481.0 Secs]	[1]	
	2	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (52)	250 Secs (281 Secs) [==>281.0 Secs]	[1]	
	3	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (52)	1300 Secs (1376 Secs) [==>1376.0 Secs]	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (52)	1100 Secs (1176 Secs) [==>1176.0 Secs]	[1]	
	5	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=5	POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC891-Halo-A1 (52)	2600 Secs (2600 Secs) [==>]	[2]	
	6	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC891-Halo-A1 (52)	280 Secs (280 Secs) [==>]	[2]	
	7	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (52)	1400 Secs (1445 Secs) [==>1445.0 Secs]	[2]	
	8	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (52)	1200 Secs (1245 Secs) [==>1245.0 Secs]	[2]	
	9	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=5	POS TARG -0.4143,0.1247	Prime + Parallel Group 9-12 in NGC891-Halo-A1 (52)	2550 Secs (2568 Secs) [==>2568.0 Secs]	[3]	
	10	(1) NGC-891-FIELD -1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG -0.4143,0.1247	Prime + Parallel Group 9-12 in NGC891-Halo-A1 (52)	300 Secs (318 Secs) [==>318.0 Secs]	[3]	
	11	ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-12 in NGC891-Halo-A1 (52)	1400 Secs (1445 Secs) [==>1445.0 Secs]	[3]	
12	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-12 in NGC891-Halo-A1 (52)	1200 Secs (1245 Secs) [==>1245.0 Secs]	[3]		

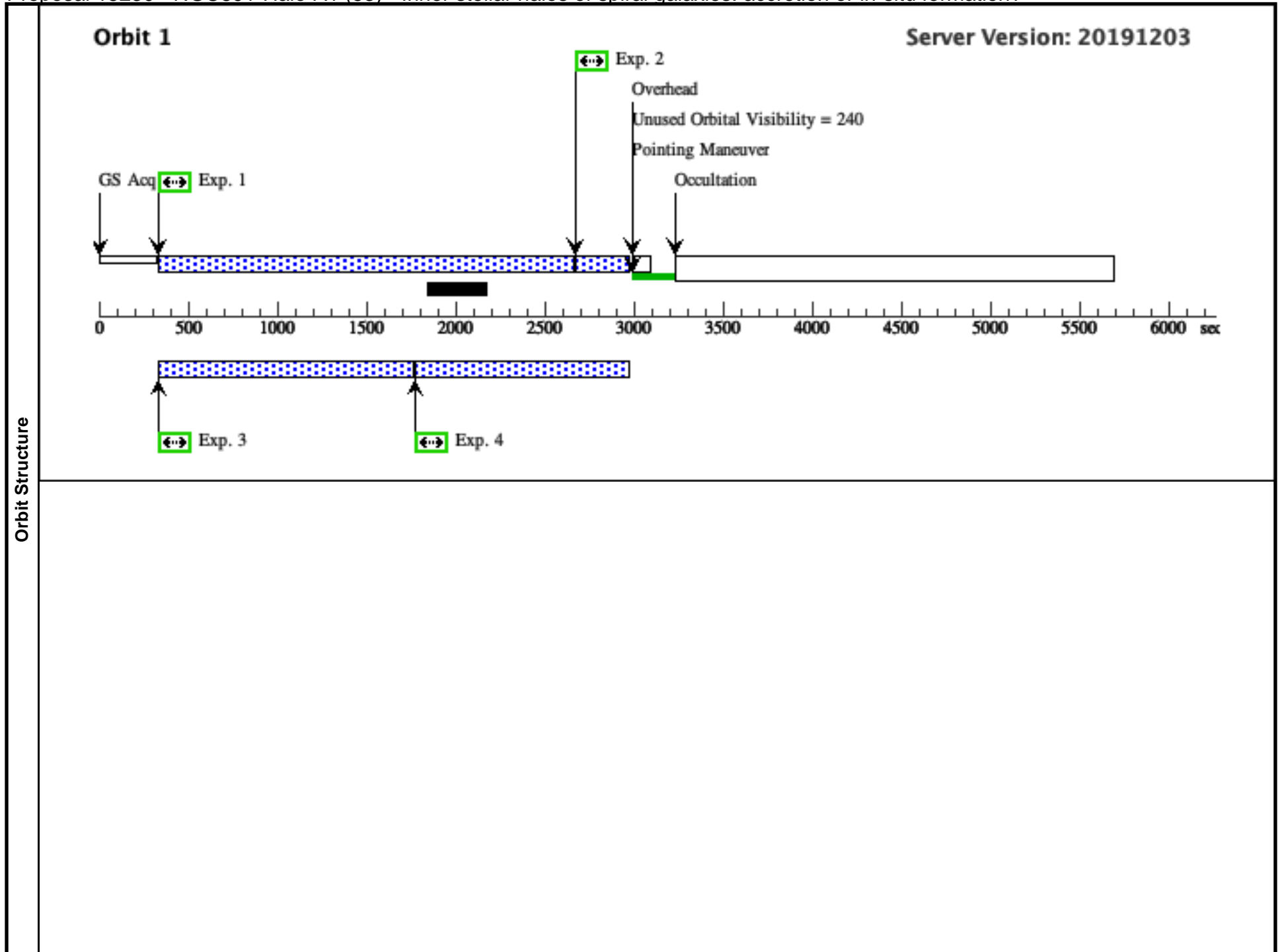




Proposal 15230 - NGC891-Halo-A1 (53) - Inner stellar halos of spiral galaxies: accretion or in-situ formation?

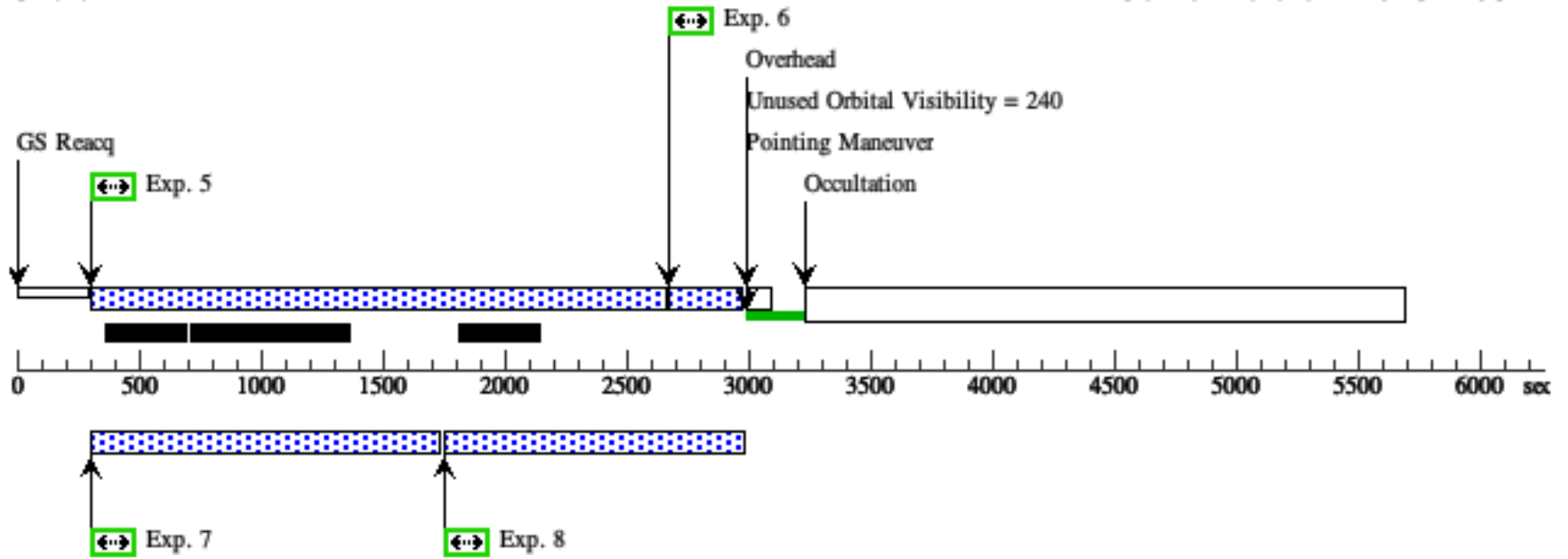
Wed Feb 05 22:01:08 GMT 2020

Visit	Proposal 15230, NGC891-Halo-A1 (53), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 155D TO 155 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	NGC-891-FIELD-1	RA: 02 23 16.3811 (35.8182546d) Dec: +42 17 43.62 (42.29545d) Equinox: J2000		V=9.93	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=EXT-STAR Description=[AGB STAR, HALO, POPULATION II, TIDAL TAIL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=5	POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (53)	2450 Secs (2181 Secs) [==>2181.0 Secs]	[1]
	2		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.4143,-0.1247	Prime + Parallel Group 1-4 in NGC891-Halo-A1 (53)	250 Secs (281 Secs) [==>281.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (53)	1300 Secs (1226 Secs) [==>1226.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-4 in NGC891-Halo-A1 (53)	1100 Secs (1026 Secs) [==>1026.0 Secs]	[1]
	5		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=5	POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC891-Halo-A1 (53)	2220 Secs (2220 Secs) [==>]	[2]
	6		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.6,0.2	Prime + Parallel Group 5-8 in NGC891-Halo-A1 (53)	280 Secs (280 Secs) [==>]	[2]
	7		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (53)	1400 Secs (1255 Secs) [==>1255.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-8 in NGC891-Halo-A1 (53)	1200 Secs (1055 Secs) [==>1055.0 Secs]	[2]
	9		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=5	POS TARG -0.4143,0.1247	Prime + Parallel Group 9-12 in NGC891-Halo-A1 (53)	2550 Secs (2188 Secs) [==>2188.0 Secs]	[3]
	10		(1) NGC-891-FIELD-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG -0.4143,0.1247	Prime + Parallel Group 9-12 in NGC891-Halo-A1 (53)	300 Secs (318 Secs) [==>318.0 Secs]	[3]
	11		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-12 in NGC891-Halo-A1 (53)	1400 Secs (1255 Secs) [==>1255.0 Secs]	[3]
	12		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-12 in NGC891-Halo-A1 (53)	1200 Secs (1055 Secs) [==>1055.0 Secs]	[3]



Orbit 2

Server Version: 20191203



Orbit 3

Server Version: 20191203

