



13857 - Emission Line Stars in Andromeda

Cycle: 22, 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) M31-EMISSION-LINE-STARS-1 (4) M31-EMISSION-LINE-STARS-4	ACS/WFC WFC3/UVIS	2	21-Oct-2014 21:07:59.0	yes
07	(1) M31-EMISSION-LINE-STARS-1 (4) M31-EMISSION-LINE-STARS-4	ACS/WFC WFC3/UVIS	2	21-Oct-2014 21:08:03.0	yes
02	(1) M31-EMISSION-LINE-STARS-1 (4) M31-EMISSION-LINE-STARS-4	ACS/WFC WFC3/UVIS	2	21-Oct-2014 21:08:06.0	yes
03	(2) M31-EMISSION-LINE-STARS-2 (5) M31-EMISSION-LINE-STARS-5	ACS/WFC WFC3/UVIS	2	21-Oct-2014 21:08:09.0	yes
04	(2) M31-EMISSION-LINE-STARS-2 (5) M31-EMISSION-LINE-STARS-5	ACS/WFC WFC3/UVIS	2	21-Oct-2014 21:08:12.0	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>
05	(3) M31-EMISSION-LINE-STARS-3 (6) M31-EMISSION-LINE-STARS-6	ACS/WFC WFC3/UVIS	2	21-Oct-2014 21:08:16.0	yes
06	(3) M31-EMISSION-LINE-STARS-3 (6) M31-EMISSION-LINE-STARS-6	ACS/WFC WFC3/UVIS	2	21-Oct-2014 21:08:19.0	yes

14 Total Orbits Used

ABSTRACT

Elucidating the physics that drives production of emission lines in a wide variety of stellar sources is hampered by the relatively small, heterogeneous available samples. We propose to construct a large, deep, homogeneous sample of more than 10,000 emission line stars in M31, by adding H-alpha imaging to existing data from the Panchromatic Hubble Andromeda Treasury (PHAT), in regions targeted to contain large numbers of massive young stellar clusters. This program will deliver the statistics needed to determine the prevalence of Be disk systems as a function of age and the rate of dramatic disk-loss/disk-renewal episodes. The survey will also provide a key opportunity to identify Symbiotic stars from a well characterized dataset, and diagnose why the current rate of observed symbiotic stars is several orders of magnitude less than that predicted by theory. Our program will also serve as a critical, deep legacy product for the broader community interested in other emission line stars such as Wolf-Rayet stars, PNe, and luminous M(e) stars.

OBSERVING DESCRIPTION

Our observing strategy is to obtain deep H-alpha imaging, and matched F625W imaging. There are 6 targets, and 6 visits. Each target is visited once with UVIS as the primary and ACS as the parallel. The orientations are fixed so that the 2 targets are observed with each visit, resulting in double the depth. We dither each visit to obtain Nyquist pixel sampling in H-alpha for the ACS imaging, and improved pixel sampling for the UVIS imaging as well.

Proposal 13857 - Visit 01 - Emission Line Stars in Andromeda

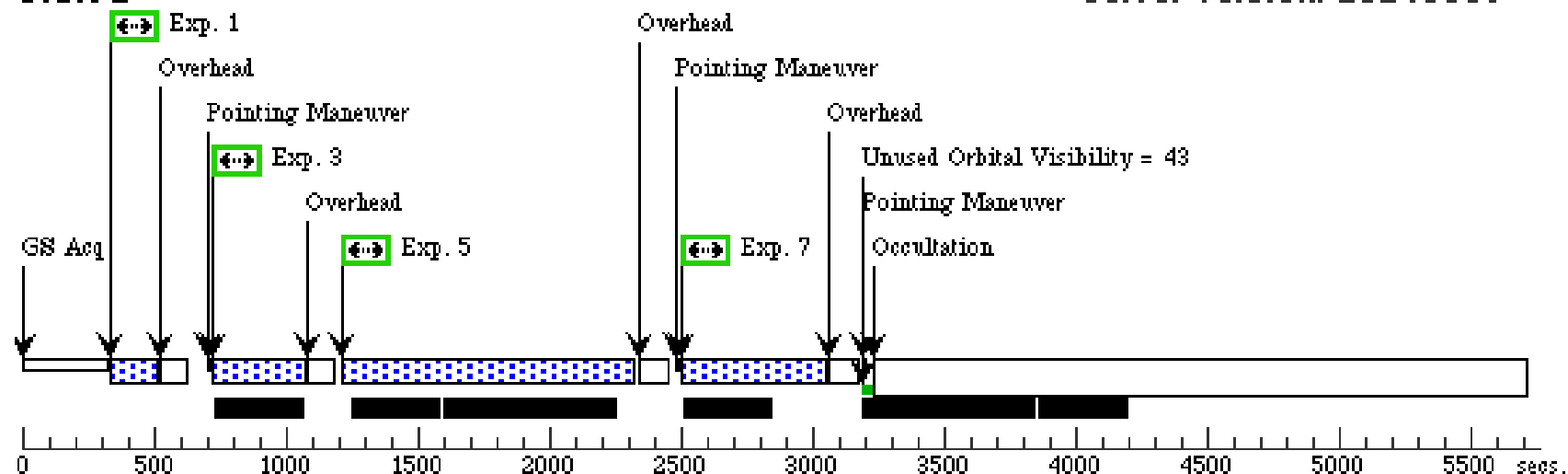
Visit	Proposal 13857, Visit 01, scheduled Wed Oct 22 01:08:22 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 50%; ORIENT 161D TO 161 D				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	M31-EMISSION-LINE-STARS-1	RA: 00 45 23.3817 (11.3474238d) Dec: +41 46 12.65 (41.77018d) Equinox: J2000		V=25
Fixed Targets	(4)	M31-EMISSION-LINE-STARS-4	RA: 00 45 23.3817 (11.3474238d) Dec: +41 46 12.65 (41.77018d) Equinox: J2000		V=25
					Reference Frame: ICRS

Proposal 13857 - Visit 01 - Emission Line Stars in Andromeda

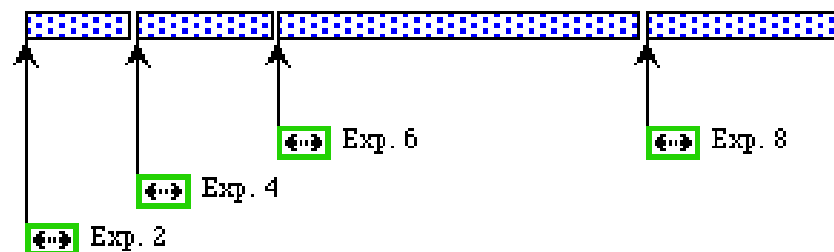
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0,0	Prime + Parallel Group 1-2 in Visit 01	150 Secs (150 Secs) [==>]	[1]
	2	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in Visit 01	150 Secs (150 Secs) [==>]	[1]
	3	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.187,0.086	Prime + Parallel Group 3-4 in Visit 01	350 Secs (350 Secs) [==>]	[1]
	4	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in Visit 01	350 Secs (350 Secs) [==>]	[1]
	5	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10.0	POS TARG 0.187,0.086	Prime + Parallel Group 5-6 in Visit 01	1100 Secs (1100 Secs) [==>]	[1]
	6	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 5-6 in Visit 01	1100 Secs (1100 Secs) [==>]	[1]
	7	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0,0	Prime + Parallel Group 7-8 in Visit 01	550 Secs (550 Secs) [==>]	[1]
	8	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 7-8 in Visit 01	550 Secs (550 Secs) [==>]	[1]
	9	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.206,0.171	Prime + Parallel Group 9-10 in Visit 01	250 Secs (250 Secs) [==>]	[2]
	10	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 9-10 in Visit 01	250 Secs (250 Secs) [==>]	[2]
	11	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.206,0.171	Prime + Parallel Group 11-12 in Visit 01	1100 Secs (1100 Secs) [==>]	[2]
	12	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 11-12 in Visit 01	1100 Secs (1100 Secs) [==>]	[2]
	13	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.263,0.188	Prime + Parallel Group 13-14 in Visit 01	1100 Secs (1100 Secs) [==>]	[2]
	14	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 13-14 in Visit 01	1100 Secs (1100 Secs) [==>]	[2]

Orbit 1

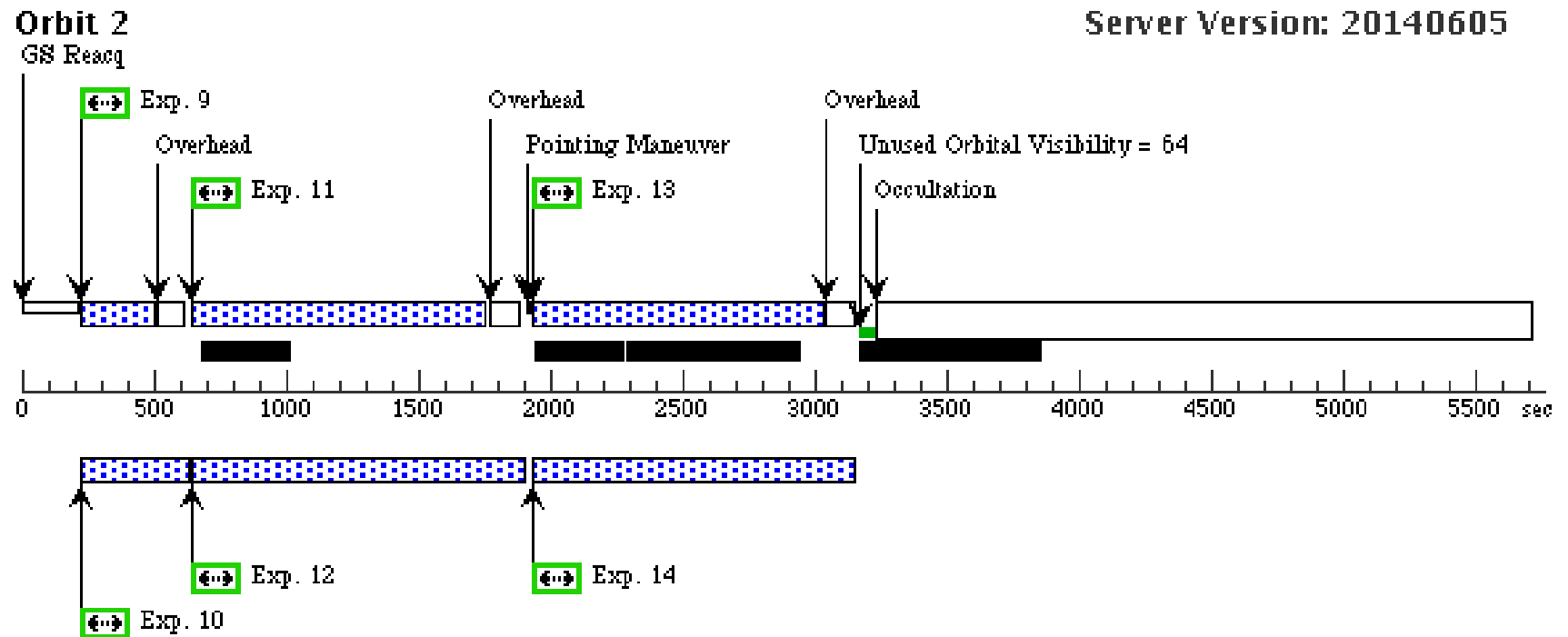
Server Version: 20140605



Orbit Structure



Server Version: 20140605

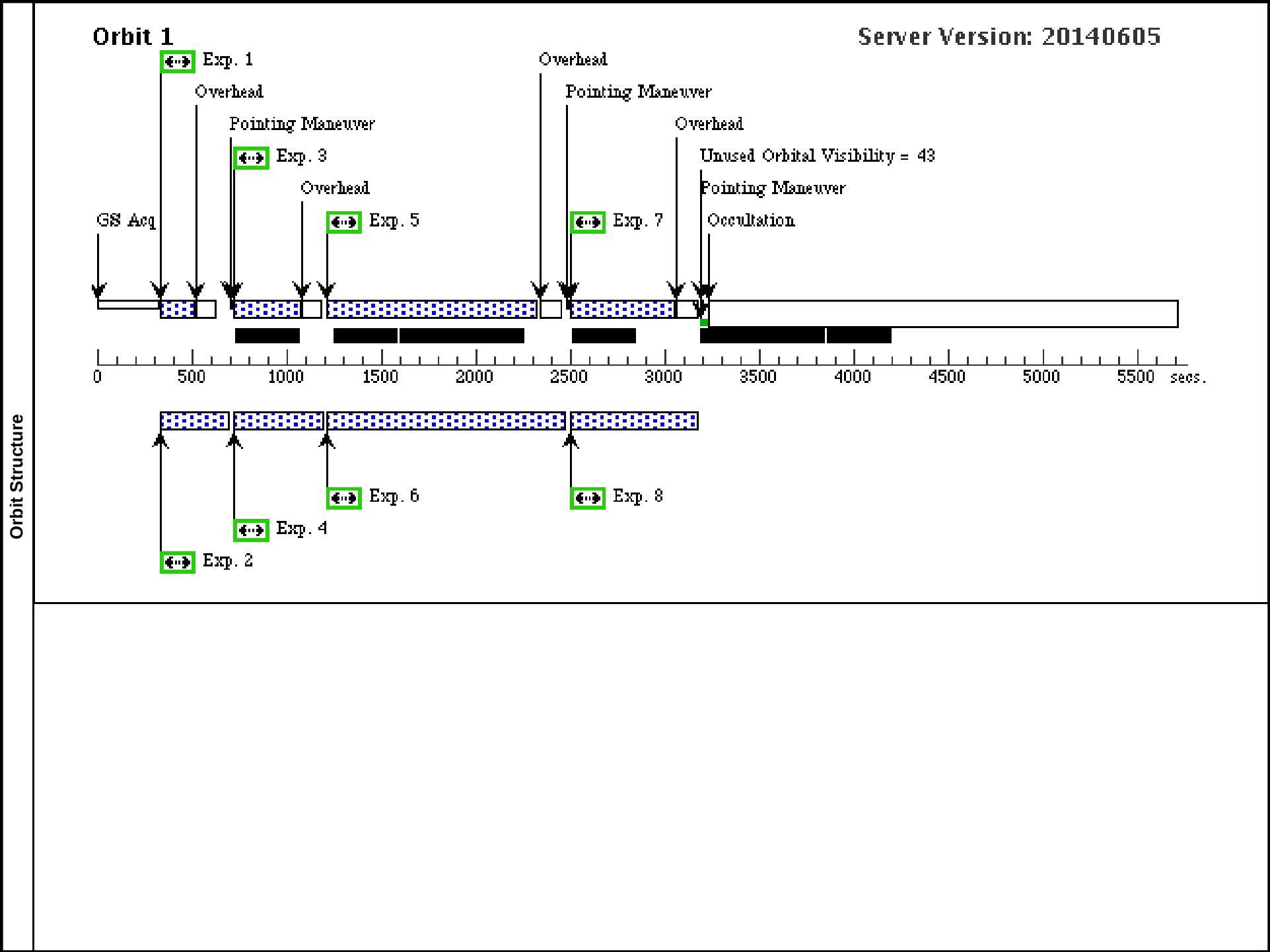


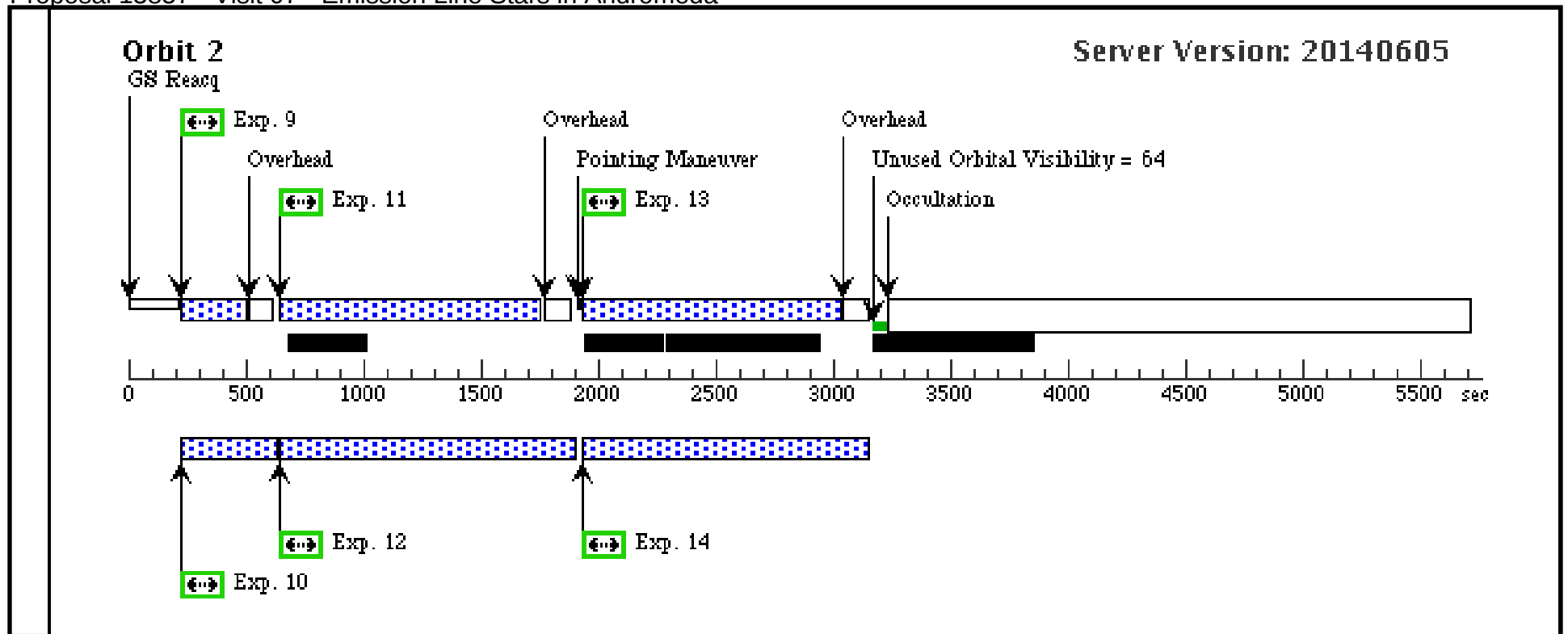
Proposal 13857 - Visit 07 - Emission Line Stars in Andromeda

Visit	Proposal 13857, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 50%; ORIENT 161D TO 161 D <i>Comments: duplicate of visit 01, lost to safing</i>					Wed Oct 22 01:08:22 GMT 2014
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	M31-EMISSION-LINE-STARS-1	RA: 00 45 23.3817 (11.3474238d) Dec: +41 46 12.65 (41.77018d) Equinox: J2000		V=25	Reference Frame: ICRS
Fixed Targets	(4)	M31-EMISSION-LINE-STARS-4	RA: 00 45 23.3817 (11.3474238d) Dec: +41 46 12.65 (41.77018d) Equinox: J2000		V=25	Reference Frame: ICRS

Proposal 13857 - Visit 07 - Emission Line Stars in Andromeda

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0,0	Prime + Parallel Group 1-2 in Visit 07	150 Secs (150 Secs) [==>]	[1]
	2	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in Visit 07	150 Secs (150 Secs) [==>]	[1]
	3	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.187,0.086	Prime + Parallel Group 3-4 in Visit 07	350 Secs (350 Secs) [==>]	[1]
	4	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in Visit 07	350 Secs (350 Secs) [==>]	[1]
	5	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10.0	POS TARG 0.187,0.086	Prime + Parallel Group 5-6 in Visit 07	1100 Secs (1100 Secs) [==>]	[1]
	6	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 5-6 in Visit 07	1100 Secs (1100 Secs) [==>]	[1]
	7	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0,0	Prime + Parallel Group 7-8 in Visit 07	550 Secs (550 Secs) [==>]	[1]
	8	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 7-8 in Visit 07	550 Secs (550 Secs) [==>]	[1]
	9	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.206,0.171	Prime + Parallel Group 9-10 in Visit 07	250 Secs (250 Secs) [==>]	[2]
	10	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 9-10 in Visit 07	250 Secs (250 Secs) [==>]	[2]
	11	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.206,0.171	Prime + Parallel Group 11-12 in Visit 07	1100 Secs (1100 Secs) [==>]	[2]
	12	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 11-12 in Visit 07	1100 Secs (1100 Secs) [==>]	[2]
	13	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.263,0.188	Prime + Parallel Group 13-14 in Visit 07	1100 Secs (1100 Secs) [==>]	[2]
	14	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 13-14 in Visit 07	1100 Secs (1100 Secs) [==>]	[2]



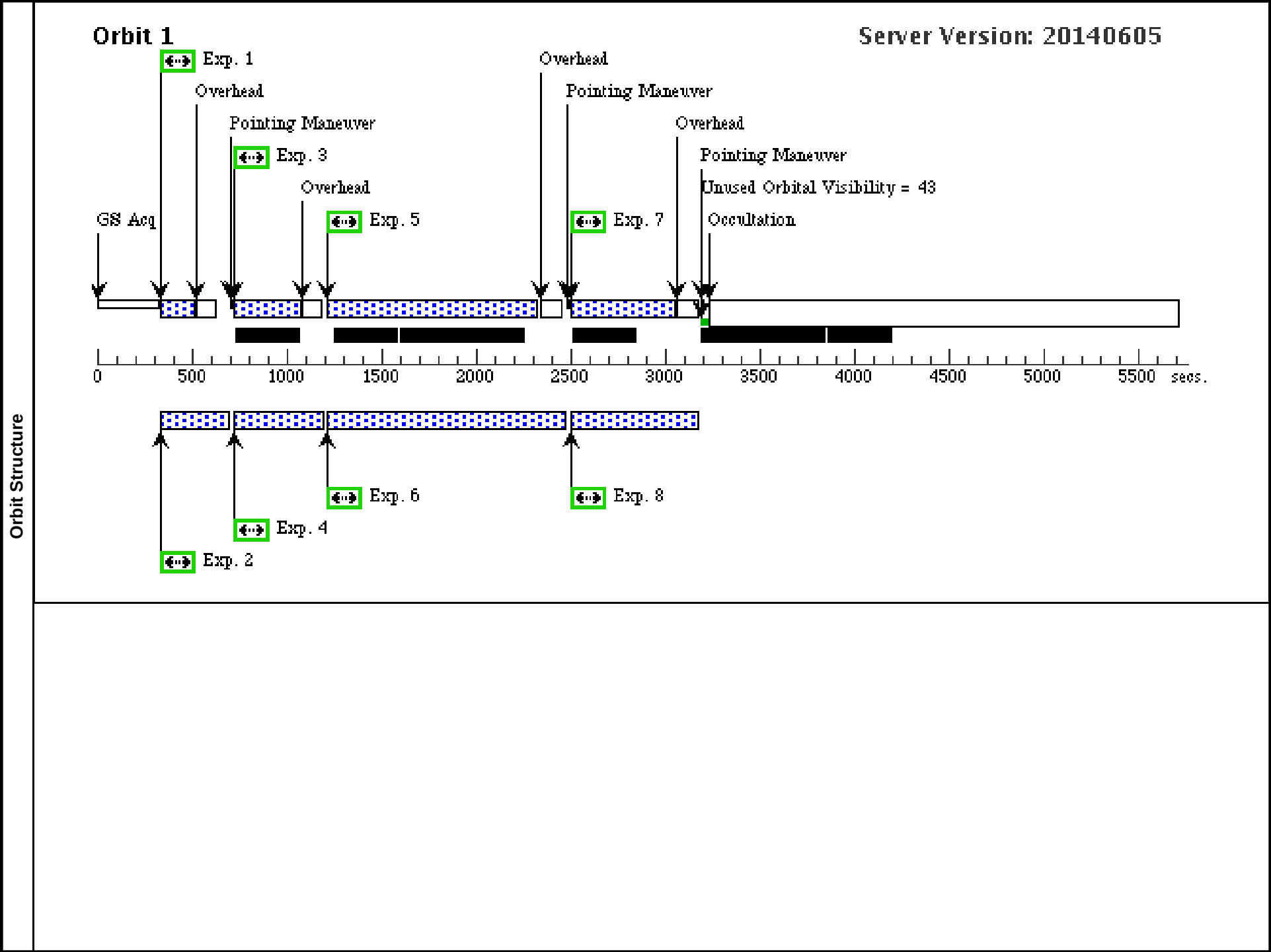


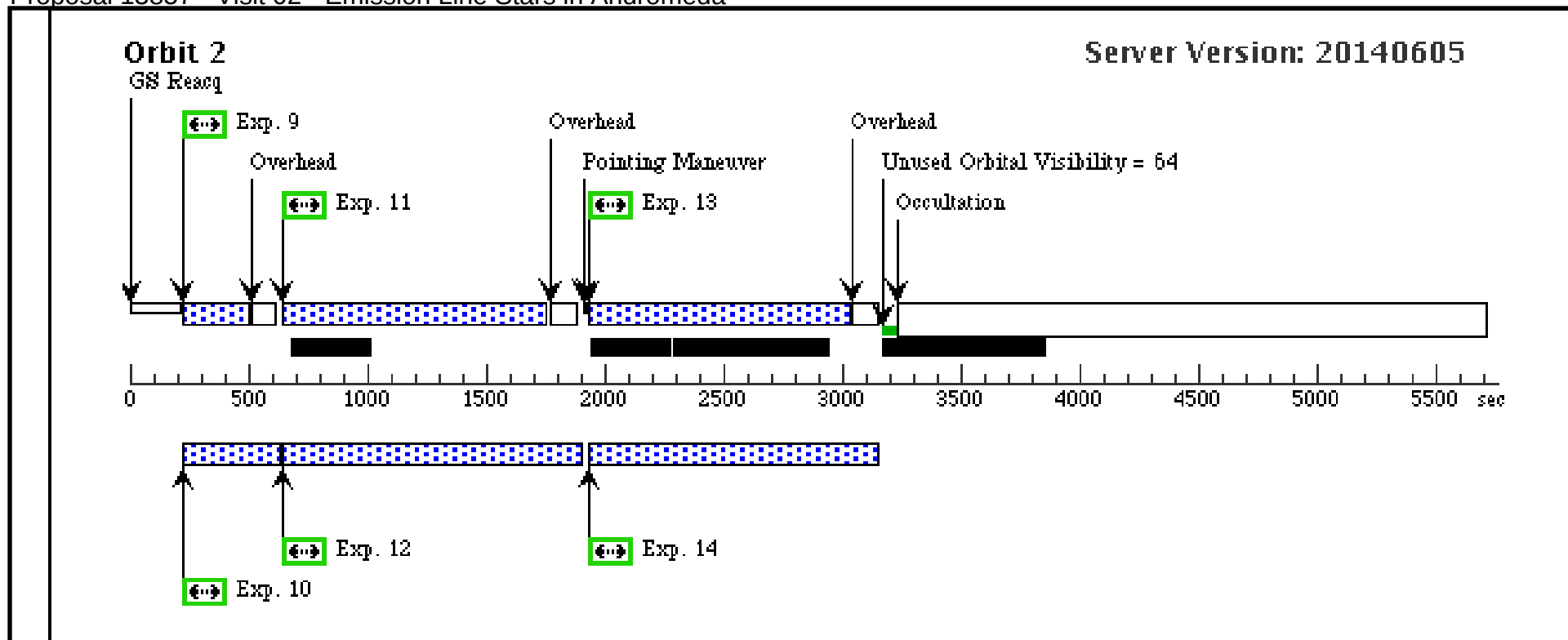
Proposal 13857 - Visit 02 - Emission Line Stars in Andromeda

Visit	Proposal 13857, Visit 02, scheduling Wed Oct 22 01:08:23 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 50%; ORIENT 161D TO 161 D; AFTER 01 BY 180 D TO 365 D				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	M31-EMISSION-LINE-STARS-1	RA: 00 45 23.3817 (11.3474238d) Dec: +41 46 12.65 (41.77018d) Equinox: J2000		V=25
	(4)	M31-EMISSION-LINE-STARS-4	RA: 00 45 23.3817 (11.3474238d) Dec: +41 46 12.65 (41.77018d) Equinox: J2000		V=25
		Reference Frame: ICRS			

Proposal 13857 - Visit 02 - Emission Line Stars in Andromeda

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0,0	Prime + Parallel Group 1-2 in Visit 02	150 Secs (150 Secs) [==>]	[1]
	2	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in Visit 02	150 Secs (150 Secs) [==>]	[1]
	3	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.187,0.086	Prime + Parallel Group 3-4 in Visit 02	350 Secs (350 Secs) [==>]	[1]
	4	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in Visit 02	350 Secs (350 Secs) [==>]	[1]
	5	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.187,0.086	Prime + Parallel Group 5-6 in Visit 02	1100 Secs (1100 Secs) [==>]	[1]
	6	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 5-6 in Visit 02	1100 Secs (1100 Secs) [==>]	[1]
	7	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0,0	Prime + Parallel Group 7-8 in Visit 02	550 Secs (550 Secs) [==>]	[1]
	8	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 7-8 in Visit 02	550 Secs (550 Secs) [==>]	[1]
	9	M31-EMISS ION-LINE-STARS-1-F 625W	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.206,0.171	Prime + Parallel Group 9-10 in Visit 02	250 Secs (250 Secs) [==>]	[2]
	10	M31-EMISS ION-LINE-STARS-4-F 625W	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 9-10 in Visit 02	250 Secs (250 Secs) [==>]	[2]
	11	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.206,0.171	Prime + Parallel Group 11-12 in Visit 02	1100 Secs (1100 Secs) [==>]	[2]
	12	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 11-12 in Visit 02	1100 Secs (1100 Secs) [==>]	[2]
	13	M31-EMISS ION-LINE-STARS-1-F 658N	(1) M31-EMISSION -LINE-STARS-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.263,0.188	Prime + Parallel Group 13-14 in Visit 02	1100 Secs (1100 Secs) [==>]	[2]
	14	M31-EMISS ION-LINE-STARS-4-F 658N	(4) M31-EMISSION -LINE-STARS-4	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 13-14 in Visit 02	1100 Secs (1100 Secs) [==>]	[2]



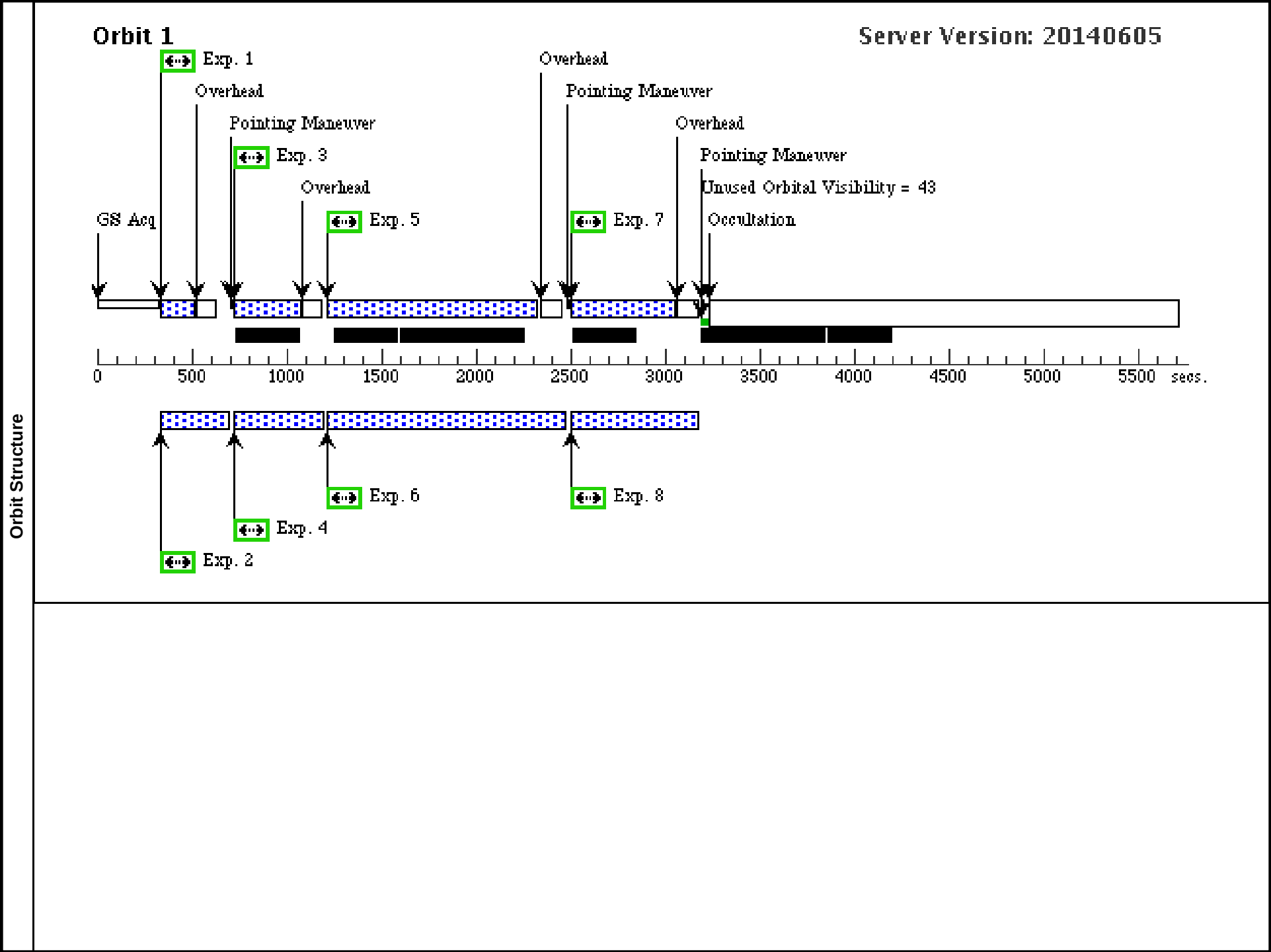


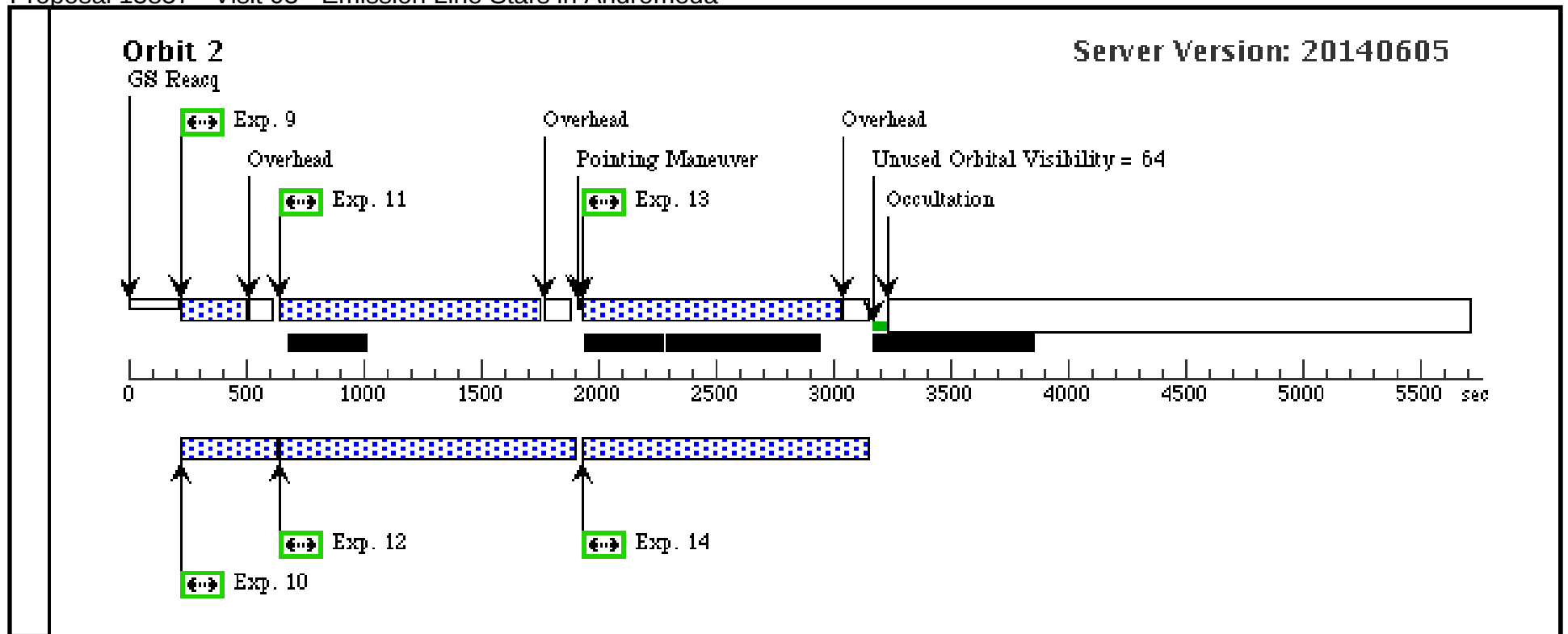
Proposal 13857 - Visit 03 - Emission Line Stars in Andromeda

Visit	Proposal 13857, Visit 03, completed Wed Oct 22 01:08:23 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 50%; ORIENT 199D TO 199 D				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(2)	M31-EMISSION-LINE-STARS-2	RA: 00 44 31.0234 (11.1292642d) Dec: +41 52 8.69 (41.86908d) Equinox: J2000		V=25
	(5)	M31-EMISSION-LINE-STARS-5	RA: 00 44 31.0234 (11.1292642d) Dec: +41 52 8.69 (41.86908d) Equinox: J2000		V=25
		Reference Frame: ICRS			

Proposal 13857 - Visit 03 - Emission Line Stars in Andromeda

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	M31-EMISS ION-LINE-STARS-2-F 625W	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0,0	Prime + Parallel Group 1-2 in Visit 03	150 Secs (150 Secs) [==>]	[1]
	2	M31-EMISS ION-LINE-STARS-5-F 625W	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in Visit 03	150 Secs (150 Secs) [==>]	[1]
	3	M31-EMISS ION-LINE-STARS-2-F 625W	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.187,0.086	Prime + Parallel Group 3-4 in Visit 03	350 Secs (350 Secs) [==>]	[1]
	4	M31-EMISS ION-LINE-STARS-5-F 625W	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in Visit 03	350 Secs (350 Secs) [==>]	[1]
	5	M31-EMISS ION-LINE-STARS-2-F 658N	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.187,0.086	Prime + Parallel Group 5-6 in Visit 03	1100 Secs (1100 Secs) [==>]	[1]
	6	M31-EMISS ION-LINE-STARS-5-F 658N	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 5-6 in Visit 03	1100 Secs (1100 Secs) [==>]	[1]
	7	M31-EMISS ION-LINE-STARS-2-F 658N	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0,0	Prime + Parallel Group 7-8 in Visit 03	550 Secs (550 Secs) [==>]	[1]
	8	M31-EMISS ION-LINE-STARS-5-F 658N	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 7-8 in Visit 03	550 Secs (550 Secs) [==>]	[1]
	9	M31-EMISS ION-LINE-STARS-2-F 625W	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.206,0.171	Prime + Parallel Group 9-10 in Visit 03	250 Secs (250 Secs) [==>]	[2]
	10	M31-EMISS ION-LINE-STARS-5-F 625W	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 9-10 in Visit 03	250 Secs (250 Secs) [==>]	[2]
	11	M31-EMISS ION-LINE-STARS-2-F 658N	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.206,0.171	Prime + Parallel Group 11-12 in Visit 03	1100 Secs (1100 Secs) [==>]	[2]
	12	M31-EMISS ION-LINE-STARS-5-F 658N	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 11-12 in Visit 03	1100 Secs (1100 Secs) [==>]	[2]
	13	M31-EMISS ION-LINE-STARS-2-F 658N	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.263,0.188	Prime + Parallel Group 13-14 in Visit 03	1100 Secs (1100 Secs) [==>]	[2]
	14	M31-EMISS ION-LINE-STARS-5-F 658N	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 13-14 in Visit 03	1100 Secs (1100 Secs) [==>]	[2]



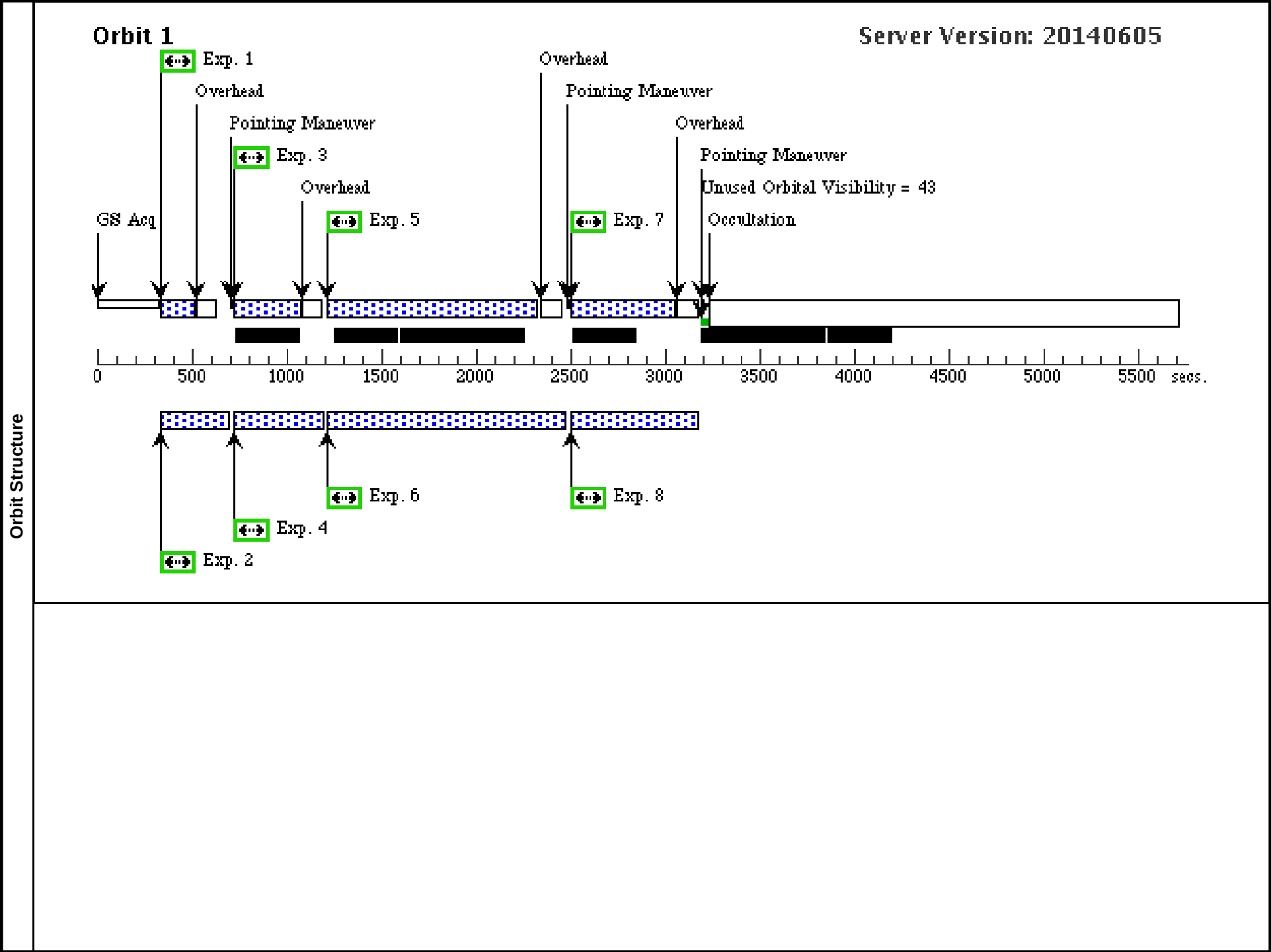


Proposal 13857 - Visit 04 - Emission Line Stars in Andromeda

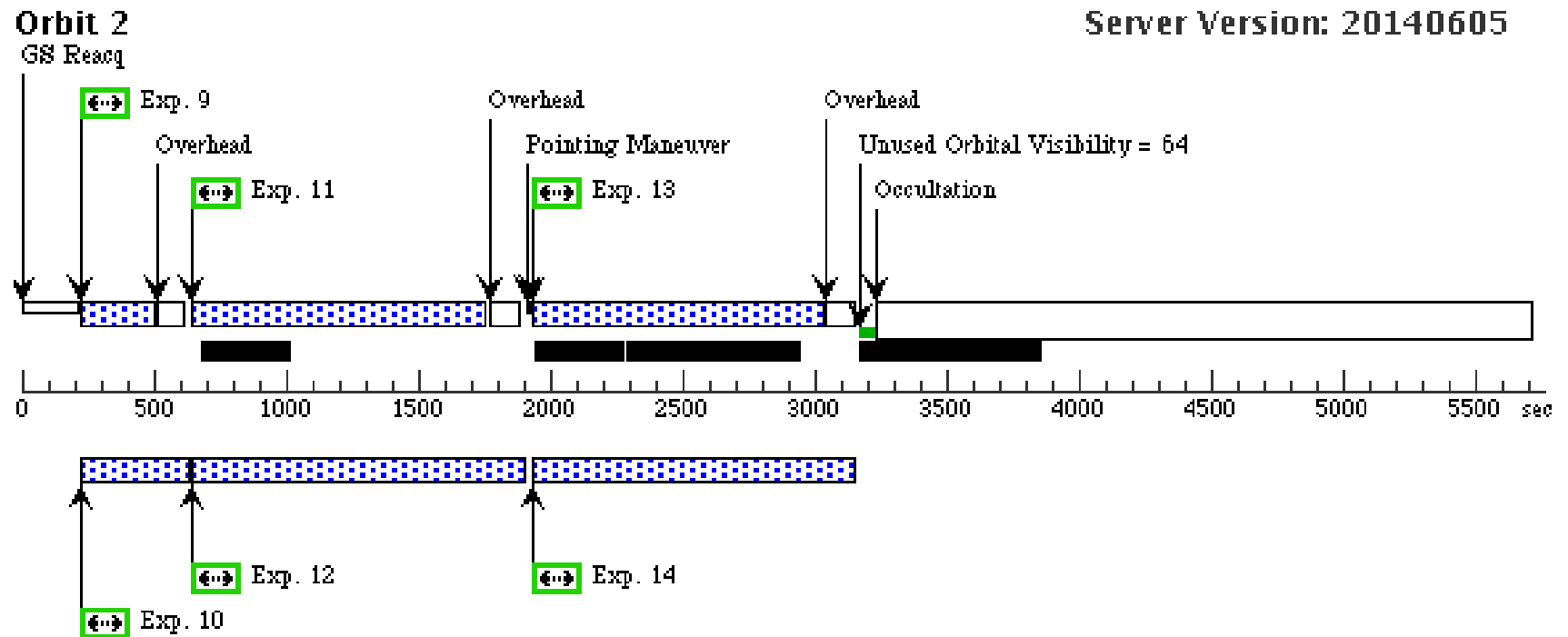
Visit	Proposal 13857, Visit 04, scheduling Wed Oct 22 01:08:23 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 50%; ORIENT 199D TO 199 D; AFTER 03 BY 180 D TO 365 D				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(2)	M31-EMISSION-LINE-STARS-2	RA: 00 44 31.0234 (11.1292642d) Dec: +41 52 8.69 (41.86908d) Equinox: J2000		V=25
	(5)	M31-EMISSION-LINE-STARS-5	RA: 00 44 31.0234 (11.1292642d) Dec: +41 52 8.69 (41.86908d) Equinox: J2000		V=25
		Reference Frame: ICRS			

Proposal 13857 - Visit 04 - Emission Line Stars in Andromeda

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	M31-EMISS ION-LINE-STARS-2-F 625W	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0,0	Prime + Parallel Group 1-2 in Visit 04	150 Secs (150 Secs) [==>]	[1]
	2	M31-EMISS ION-LINE-STARS-5-F 625W	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in Visit 04	150 Secs (150 Secs) [==>]	[1]
	3	M31-EMISS ION-LINE-STARS-2-F 625W	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.187,0.086	Prime + Parallel Group 3-4 in Visit 04	350 Secs (350 Secs) [==>]	[1]
	4	M31-EMISS ION-LINE-STARS-5-F 625W	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in Visit 04	350 Secs (350 Secs) [==>]	[1]
	5	M31-EMISS ION-LINE-STARS-2-F 658N	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.187,0.086	Prime + Parallel Group 5-6 in Visit 04	1100 Secs (1100 Secs) [==>]	[1]
	6	M31-EMISS ION-LINE-STARS-5-F 658N	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 5-6 in Visit 04	1100 Secs (1100 Secs) [==>]	[1]
	7	M31-EMISS ION-LINE-STARS-2-F 658N	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0,0	Prime + Parallel Group 7-8 in Visit 04	550 Secs (550 Secs) [==>]	[1]
	8	M31-EMISS ION-LINE-STARS-5-F 658N	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 7-8 in Visit 04	550 Secs (550 Secs) [==>]	[1]
	9	M31-EMISS ION-LINE-STARS-2-F 625W	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.206,0.171	Prime + Parallel Group 9-10 in Visit 04	250 Secs (250 Secs) [==>]	[2]
	10	M31-EMISS ION-LINE-STARS-5-F 625W	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 9-10 in Visit 04	250 Secs (250 Secs) [==>]	[2]
	11	M31-EMISS ION-LINE-STARS-2-F 658N	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.206,0.171	Prime + Parallel Group 11-12 in Visit 04	1100 Secs (1100 Secs) [==>]	[2]
	12	M31-EMISS ION-LINE-STARS-5-F 658N	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 11-12 in Visit 04	1100 Secs (1100 Secs) [==>]	[2]
	13	M31-EMISS ION-LINE-STARS-2-F 658N	(2) M31-EMISSION -LINE-STARS-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.263,0.188	Prime + Parallel Group 13-14 in Visit 04	1100 Secs (1100 Secs) [==>]	[2]
	14	M31-EMISS ION-LINE-STARS-5-F 658N	(5) M31-EMISSION -LINE-STARS-5	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 13-14 in Visit 04	1100 Secs (1100 Secs) [==>]	[2]



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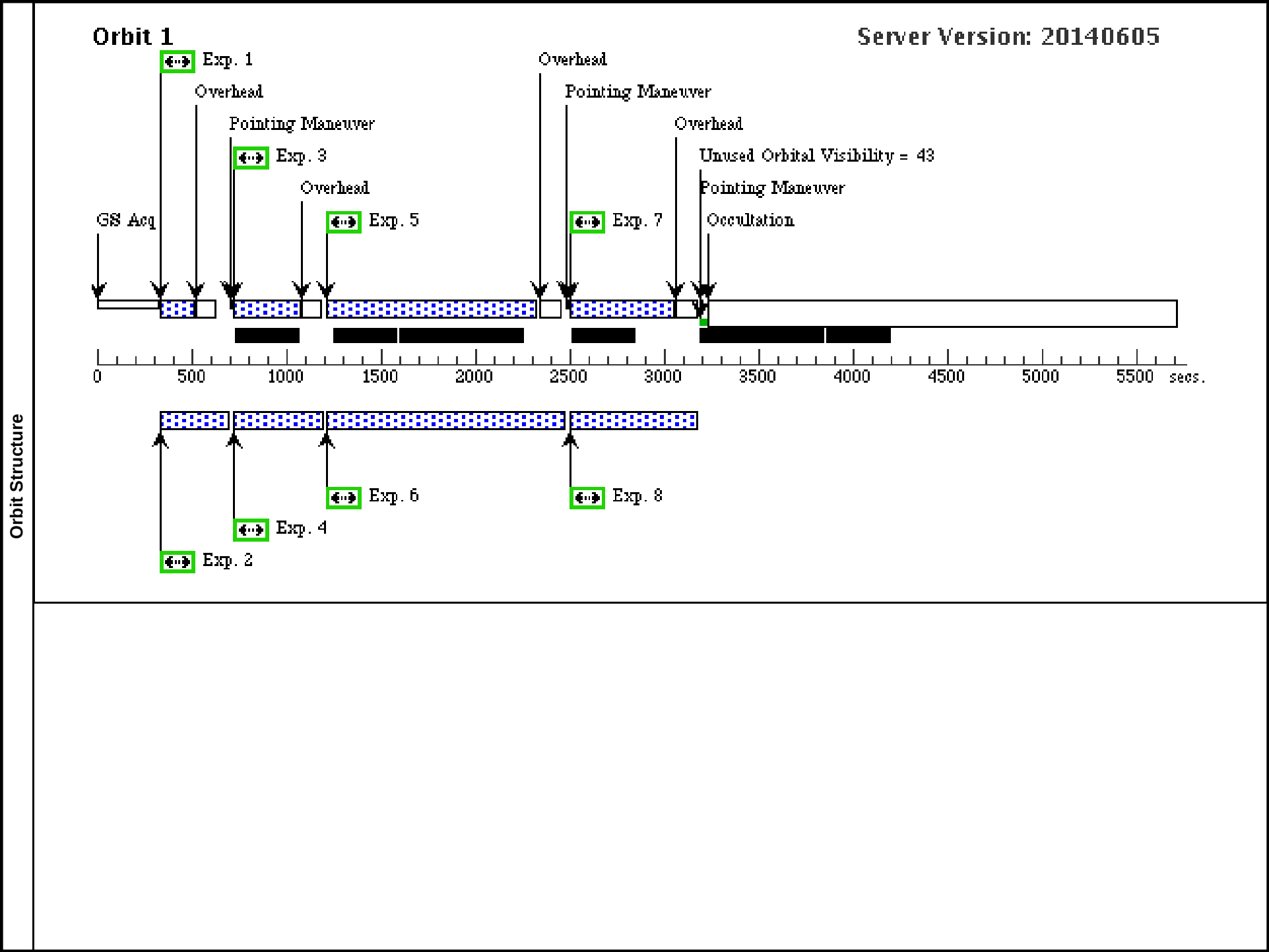


Proposal 13857 - Visit 05 - Emission Line Stars in Andromeda

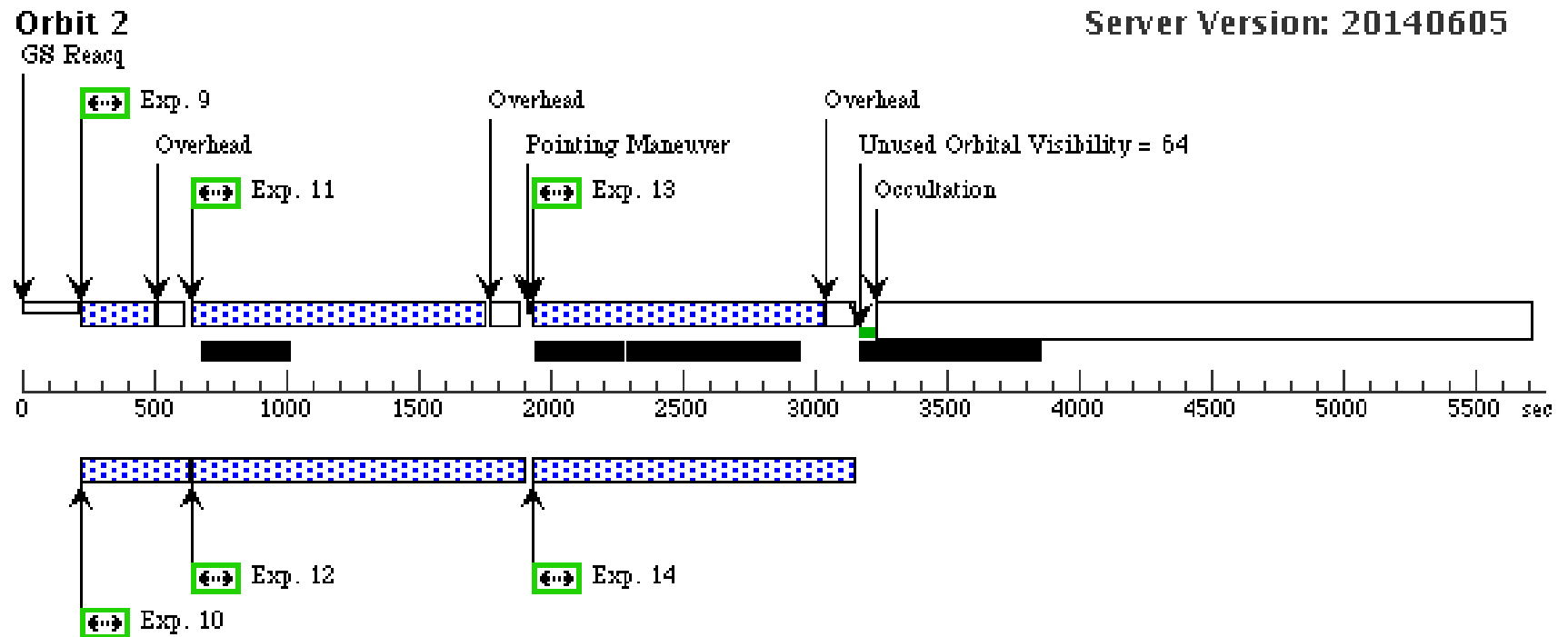
Visit	Proposal 13857, Visit 05, completed Wed Oct 22 01:08:23 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 50%; ORIENT 178D TO 178 D				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(3)	M31-EMISSION-LINE-STARS-3	RA: 00 44 18.0502 (11.0752092d) Dec: +41 20 53.86 (41.34829d) Equinox: J2000		V=25
	(6)	M31-EMISSION-LINE-STARS-6	RA: 00 44 18.0502 (11.0752092d) Dec: +41 20 53.86 (41.34829d) Equinox: J2000		V=25
		Reference Frame: ICRS			

Proposal 13857 - Visit 05 - Emission Line Stars in Andromeda

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	M31-EMISS ION-LINE-STARS-3-F 625W	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0,0	Prime + Parallel Group 1-2 in Visit 05	150 Secs (150 Secs) [==>]	[1]
	2	M31-EMISS ION-LINE-STARS-6-F 625W	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 1-2 in Visit 05	150 Secs (150 Secs) [==>]	[1]
	3	M31-EMISS ION-LINE-STARS-3-F 625W	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.187,0.086	Prime + Parallel Group 3-4 in Visit 05	350 Secs (350 Secs) [==>]	[1]
	4	M31-EMISS ION-LINE-STARS-6-F 625W	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 3-4 in Visit 05	350 Secs (350 Secs) [==>]	[1]
	5	M31-EMISS ION-LINE-STARS-3-F 658N	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.187,0.086	Prime + Parallel Group 5-6 in Visit 05	1100 Secs (1100 Secs) [==>]	[1]
	6	M31-EMISS ION-LINE-STARS-6-F 658N	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 5-6 in Visit 05	1100 Secs (1100 Secs) [==>]	[1]
	7	M31-EMISS ION-LINE-STARS-3-F 658N	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0,0	Prime + Parallel Group 7-8 in Visit 05	550 Secs (550 Secs) [==>]	[1]
	8	M31-EMISS ION-LINE-STARS-6-F 658N	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 7-8 in Visit 05	550 Secs (550 Secs) [==>]	[1]
	9	M31-EMISS ION-LINE-STARS-3-F 625W	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.206,0.171	Prime + Parallel Group 9-10 in Visit 05	250 Secs (250 Secs) [==>]	[2]
	10	M31-EMISS ION-LINE-STARS-6-F 625W	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Group 9-10 in Visit 05	250 Secs (250 Secs) [==>]	[2]
	11	M31-EMISS ION-LINE-STARS-3-F 658N	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.206,0.171	Prime + Parallel Group 11-12 in Visit 05	1100 Secs (1100 Secs) [==>]	[2]
	12	M31-EMISS ION-LINE-STARS-6-F 658N	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 11-12 in Visit 05	1100 Secs (1100 Secs) [==>]	[2]
	13	M31-EMISS ION-LINE-STARS-3-F 658N	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.263,0.188	Prime + Parallel Group 13-14 in Visit 05	1100 Secs (1100 Secs) [==>]	[2]
	14	M31-EMISS ION-LINE-STARS-6-F 658N	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 13-14 in Visit 05	1100 Secs (1100 Secs) [==>]	[2]



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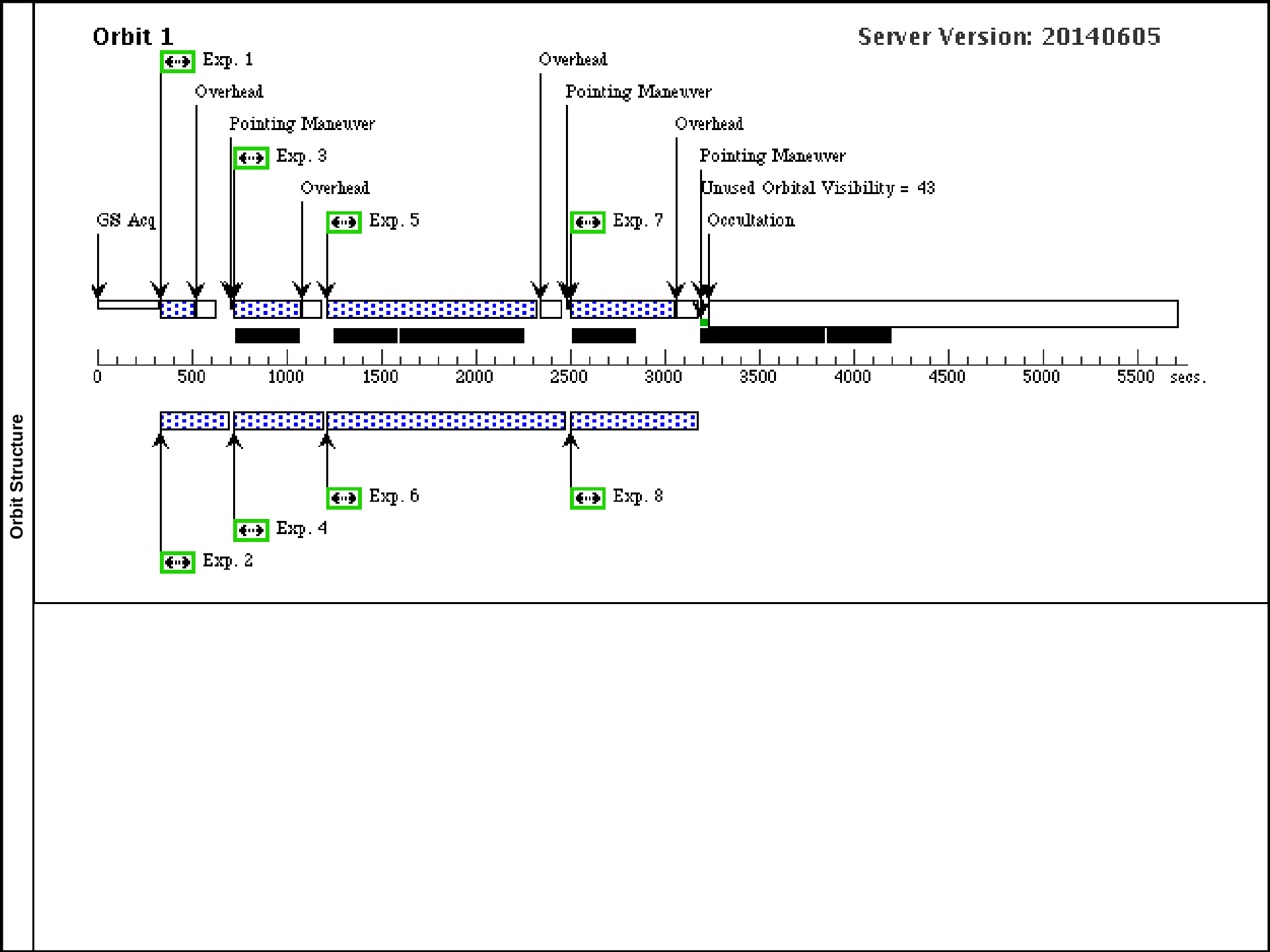


Proposal 13857 - Visit 06 - Emission Line Stars in Andromeda

Visit	Proposal 13857, Visit 06, scheduling Wed Oct 22 01:08:23 GMT 2014				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 50%; ORIENT 178D TO 178 D; AFTER 05 BY 180 D TO 365 D				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(3)	M31-EMISSION-LINE-STARS-3	RA: 00 44 18.0502 (11.0752092d) Dec: +41 20 53.86 (41.34829d) Equinox: J2000		V=25
	(6)	M31-EMISSION-LINE-STARS-6	RA: 00 44 18.0502 (11.0752092d) Dec: +41 20 53.86 (41.34829d) Equinox: J2000		V=25
		Reference Frame: ICRS			

Proposal 13857 - Visit 06 - Emission Line Stars in Andromeda

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	M31-EMISS ION-LINE- STARS-3-F 625W	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0,0	Prime + Parallel Gro up 1-2 in Visit 06	150 Secs (150 Secs) [==>]	[1]
	2	M31-EMISS ION-LINE- STARS-6-F 625W	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Gro up 1-2 in Visit 06	150 Secs (150 Secs) [==>]	[1]
	3	M31-EMISS ION-LINE- STARS-3-F 625W	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.187,0, 086	Prime + Parallel Gro up 3-4 in Visit 06	350 Secs (350 Secs) [==>]	[1]
	4	M31-EMISS ION-LINE- STARS-6-F 625W	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Gro up 3-4 in Visit 06	350 Secs (350 Secs) [==>]	[1]
	5	M31-EMISS ION-LINE- STARS-3-F 658N	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.187,0, 086	Prime + Parallel Gro up 5-6 in Visit 06	1100 Secs (1100 Secs) [==>]	[1]
	6	M31-EMISS ION-LINE- STARS-6-F 658N	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Gro up 5-6 in Visit 06	1100 Secs (1100 Secs) [==>]	[1]
	7	M31-EMISS ION-LINE- STARS-3-F 658N	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0,0	Prime + Parallel Gro up 7-8 in Visit 06	550 Secs (550 Secs) [==>]	[1]
	8	M31-EMISS ION-LINE- STARS-6-F 658N	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Gro up 7-8 in Visit 06	550 Secs (550 Secs) [==>]	[1]
	9	M31-EMISS ION-LINE- STARS-3-F 625W	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F625W		POS TARG 0.206,0, 171	Prime + Parallel Gro up 9-10 in Visit 06	250 Secs (250 Secs) [==>]	[2]
	10	M31-EMISS ION-LINE- STARS-6-F 625W	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F625W			Prime + Parallel Gro up 9-10 in Visit 06	250 Secs (250 Secs) [==>]	[2]
	11	M31-EMISS ION-LINE- STARS-3-F 658N	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.206,0, 171	Prime + Parallel Gro up 11-12 in Visit 06	1100 Secs (1100 Secs) [==>]	[2]
	12	M31-EMISS ION-LINE- STARS-6-F 658N	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Gro up 11-12 in Visit 06	1100 Secs (1100 Secs) [==>]	[2]
	13	M31-EMISS ION-LINE- STARS-3-F 658N	(3) M31-EMISSION -LINE-STARS-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F658N	FLASH=10	POS TARG 0.263,0, 188	Prime + Parallel Gro up 13-14 in Visit 06	1100 Secs (1100 Secs) [==>]	[2]
	14	M31-EMISS ION-LINE- STARS-6-F 658N	(6) M31-EMISSION -LINE-STARS-6	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Gro up 13-14 in Visit 06	1100 Secs (1100 Secs) [==>]	[2]



Orbit Structure

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