



# 13773 - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Cycle: 22, Proposal Category: GO  
(Availability Mode: SUPPORTED)

## INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
<b>Dr. Rupali Chandar (PI) (Contact)</b>	<b>University of Toledo</b>	<b>rupali.chandar@utoledo.edu</b>
Dr. Angela Adamo (CoI) (ESA Member)	Stockholm University	adamo@astro.su.se
Dr. Jennifer Andrews (CoI)	University of Massachusetts - Amherst	jandrews@astro.umass.edu
Prof. Daniela Calzetti (CoI)	University of Massachusetts - Amherst	calzetti@astro.umass.edu
Dr. Hwihyun Kim (CoI)	Arizona State University	hwihyun.kim@asu.edu
Dr. Janice C. Lee (CoI)	Space Telescope Science Institute	jlee@stsci.edu
Dr. Linda J. Smith (CoI) (ESA Member)	Space Telescope Science Institute - ESA	lsmith@stsci.edu
Dr. David Thilker (CoI)	The Johns Hopkins University	dthilker@pha.jhu.edu
Dr. Rene A. Walterbos (CoI)	New Mexico State University	rwalterb@nmsu.edu
Dr. Brad C. Whitmore (CoI)	Space Telescope Science Institute	whitmore@stsci.edu

## 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) ESO486-G021	WFC3/UVIS	1	03-Oct-2014 21:08:14.0	yes
02	(2) NGC1433	WFC3/UVIS	1	03-Oct-2014 21:08:16.0	yes
03	(3) NGC3351	WFC3/UVIS	1	03-Oct-2014 21:08:17.0	yes
04	(4) NGC4258-1	WFC3/UVIS	1	03-Oct-2014 21:08:18.0	yes
05	(5) NGC4258-2	WFC3/UVIS	1	03-Oct-2014 21:08:20.0	yes

Proposal 13773 (STScI Edit Number: 3, Created: Friday, October 3, 2014 8:08:55 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
06	(6) NGC628-2	WFC3/UVIS	1	03-Oct-2014 21:08:21.0	yes
07	(7) NGC3344	WFC3/UVIS	1	03-Oct-2014 21:08:22.0	yes
08	(8) NGC4605	WFC3/UVIS	1	03-Oct-2014 21:08:24.0	yes
09	(9) NGC5457-2	WFC3/UVIS	1	03-Oct-2014 21:08:25.0	yes
10	(10) NGC5457-3	WFC3/UVIS	1	03-Oct-2014 21:08:26.0	yes
11	(11) NGC5457-4	WFC3/UVIS	1	03-Oct-2014 21:08:27.0	yes
12	(12) NGC6744-1	WFC3/UVIS	1	03-Oct-2014 21:08:28.0	yes
13	(13) NGC6744-2	WFC3/UVIS	1	03-Oct-2014 21:08:30.0	yes
14	(14) NGC0045	WFC3/UVIS	1	03-Oct-2014 21:08:31.0	yes
15	(15) NGC1313-1	WFC3/UVIS	1	03-Oct-2014 21:08:32.0	yes
16	(16) NGC1313-2	WFC3/UVIS	1	03-Oct-2014 21:08:33.0	yes
17	(17) NGC4242	WFC3/UVIS	1	03-Oct-2014 21:08:34.0	yes
18	(18) NGC3274	WFC3/UVIS	1	03-Oct-2014 21:08:35.0	yes
19	(19) NGC4490	WFC3/UVIS	1	03-Oct-2014 21:08:36.0	yes
20	(20) NGC5474	WFC3/UVIS	1	03-Oct-2014 21:08:38.0	yes
21	(21) NGC7793-1	WFC3/UVIS	1	03-Oct-2014 21:08:39.0	yes
22	(22) NGC7793-2	WFC3/UVIS	1	03-Oct-2014 21:08:40.0	yes
23	(23) UGC1249	WFC3/UVIS	1	03-Oct-2014 21:08:41.0	yes
24	(24) UGC7408	WFC3/UVIS	1	03-Oct-2014 21:08:42.0	yes
25	(25) NGC4395-1	WFC3/UVIS	1	03-Oct-2014 21:08:43.0	yes
26	(26) NGC4395-2	WFC3/UVIS	1	03-Oct-2014 21:08:44.0	yes
27	(27) NGC4485	WFC3/UVIS	1	03-Oct-2014 21:08:46.0	yes
28	(28) NGC4656	WFC3/UVIS	1	03-Oct-2014 21:08:47.0	yes
29	(29) NGC5477	WFC3/UVIS	1	03-Oct-2014 21:08:49.0	yes
30	(30) UGC5340	WFC3/UVIS	1	03-Oct-2014 21:08:50.0	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>
31	(31) NGC1705	WFC3/UVIS	1	03-Oct-2014 21:08:51.0	yes
32	(32) UGCA281	WFC3/UVIS	1	03-Oct-2014 21:08:52.0	yes

32 Total Orbits Used

## **ABSTRACT**

We propose to obtain narrow-band, H-alpha observations for a significant subset of the star-forming, nearby galaxies recently targeted by the LEGUS treasury program (GO-13364). LEGUS is observing these galaxies in five broad-band filters: NUV, U, B, V, and I. The new H-alpha observations will reveal thousands of previously undetected HII regions, including those ionized by stellar clusters and single massive stars, allow us to measure their luminosities and sizes, and to separate discrete sources from diffuse ionized gas. We will use our narrow-band imaging survey to: (1) establish the connection between star and cluster formation, and determine the prevalence with which isolated massive stars form in different galaxies; (2) determine whether the initial cluster mass function is universal; (3) investigate the size evolution of ionized gas bubbles, and how this depends on cluster age and mass, as well as on local galactic conditions; and (4) place stringent limits on the leakage of ionizing photons from HII regions, and better understand how the interplay between properties of the ionizing source and the morphology of the HII region impacts leakage. The broad goal of this study is to better understand how feedback from massive stars affects the surrounding medium. Ultimately, the interplay between feedback and the ISM on these scales will enable a better understanding of galaxy-scale outflows in the early universe, a process critical to galaxy evolution. This program naturally lends itself to an improvement of the scientific output by involving the general public via an already established Citizen Science program.

## **OBSERVING DESCRIPTION**

We will revisit 32 galaxy pointings observed as part of the LEGUS project, which is observing spiral galaxies in a number of broad-band filters best suited to study the stellar content, in the narrow-band H-alpha line so that we may study the ionized gas in these same galaxies.

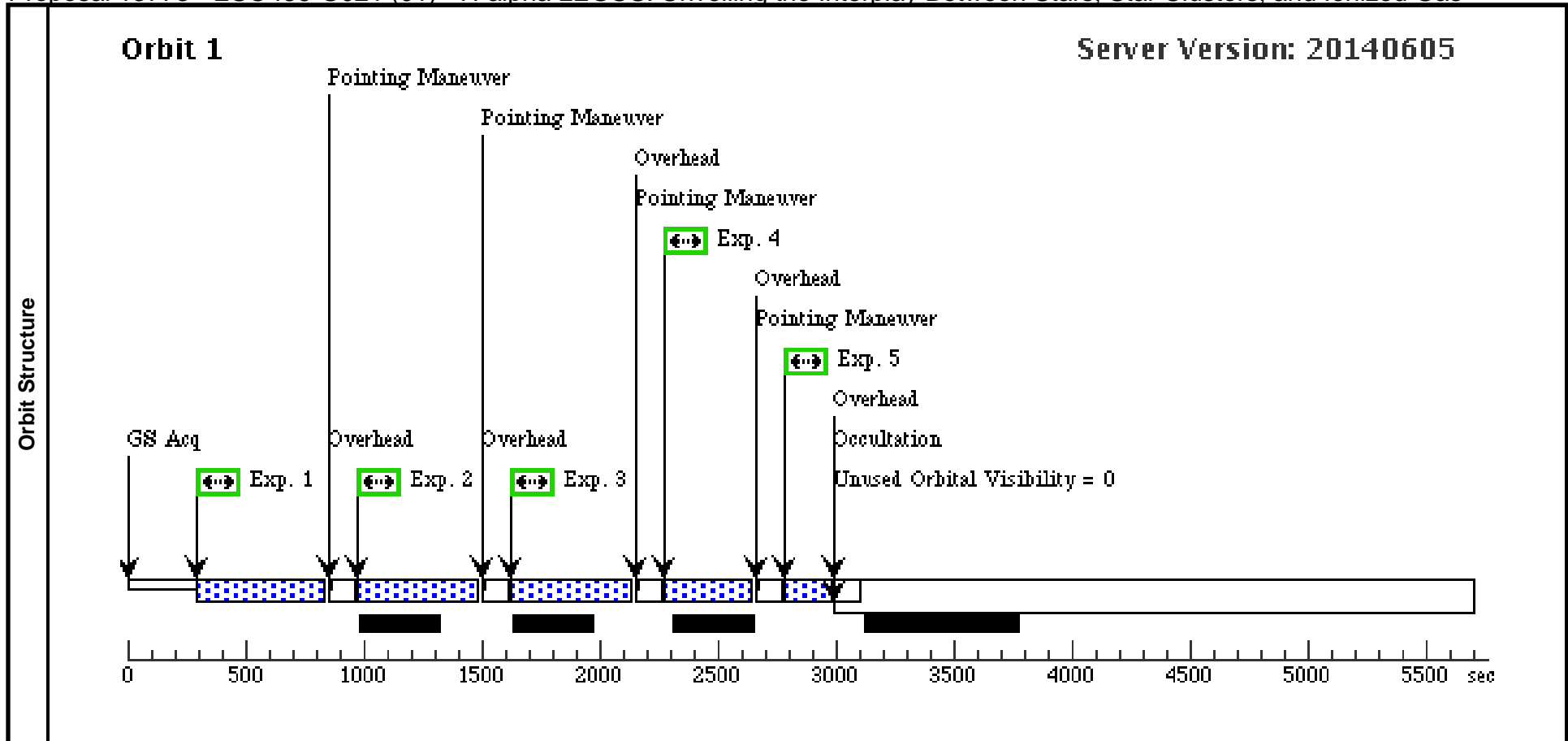
Each target will be observed for a single visit, with three exposures in the F657N filter, and 2 in the medium F547M; the latter will be used for continuum subtraction.

The pointing and orientation of each field will match the original LEGUS one as closely as possible.

Proposal 13773 - ESO486-G021 (01) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:55 GMT 2014

Visit	Proposal 13773, ESO486-G021 (01), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 263.3D TO 265.3 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	ESO486-G021	RA: 05 03 19.6900 (75.8320417d) Dec: -25 25 22.60 (-25.42294d) Equinox: J2000		V=14.47	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(1) ESO486-G021	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(1) ESO486-G021	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(1) ESO486-G021	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(1) ESO486-G021	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=7.0	POS TARG 0.0,-1.52		349 Secs (349 Secs) [==>]	[1]
	5	V-2	(1) ESO486-G021	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



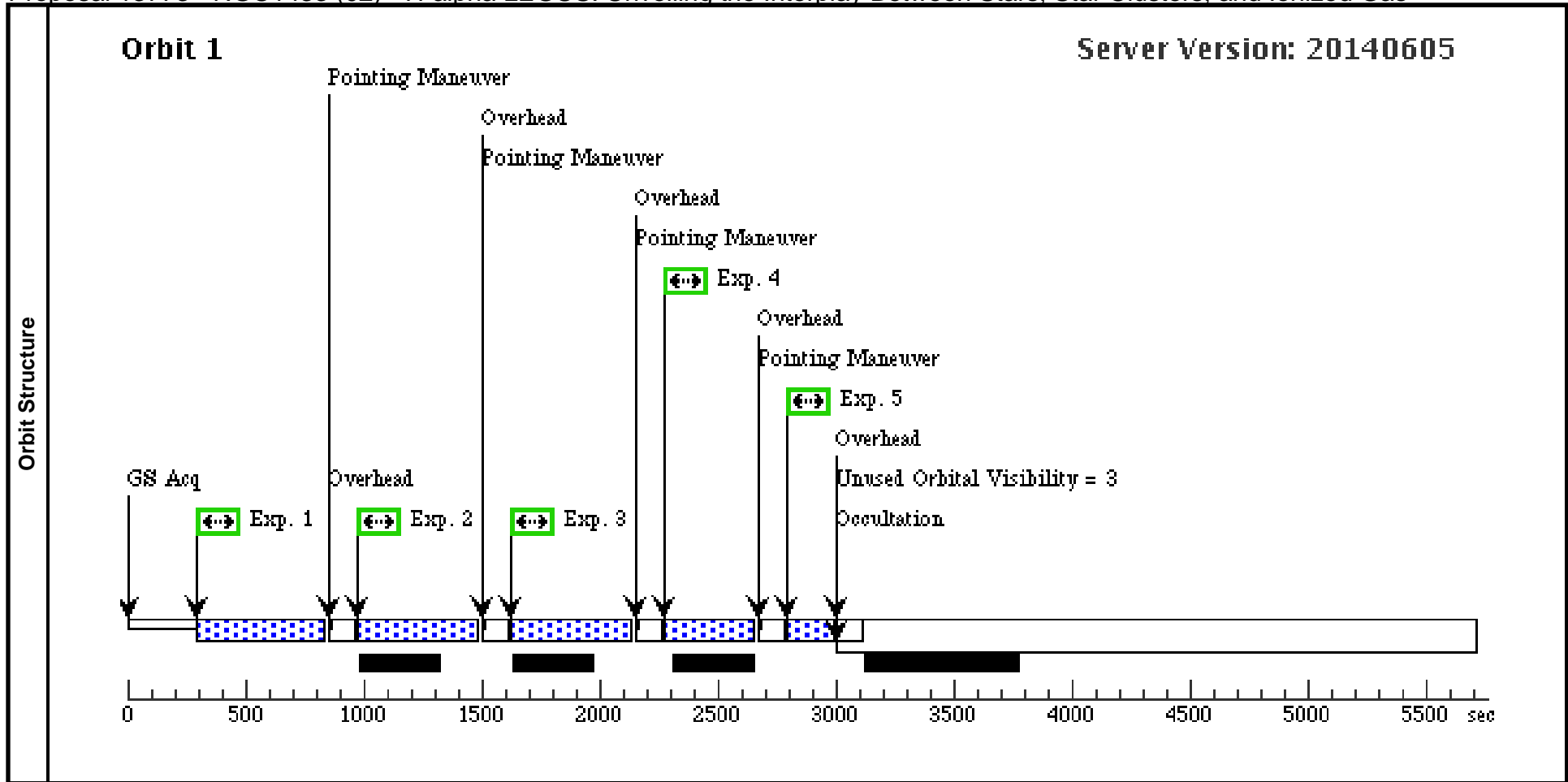
Proposal 13773 - NGC1433 (02) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:55 GMT 2014

Fixed Targets	#		Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
		(2)		NGC1433		RA: 03 42 3.2000 (55.5133333d) Dec: -47 13 16.63 (-47.22129d) Equinox: J2000			V=10.70		Reference Frame: ICRS	

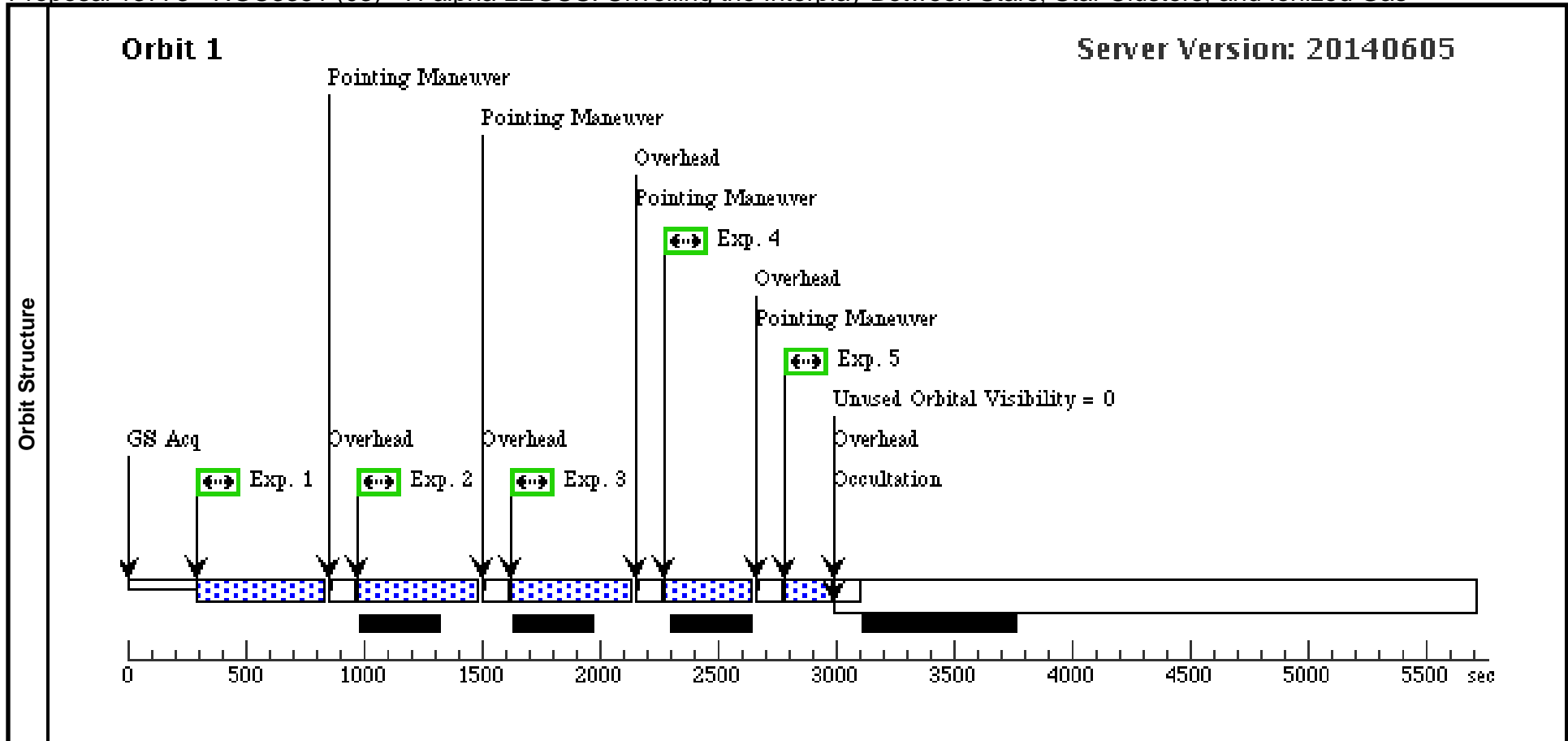
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(2) NGC1433	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(2) NGC1433	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(2) NGC1433	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(2) NGC1433	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(2) NGC1433	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC3351 (03) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:55 GMT 2014

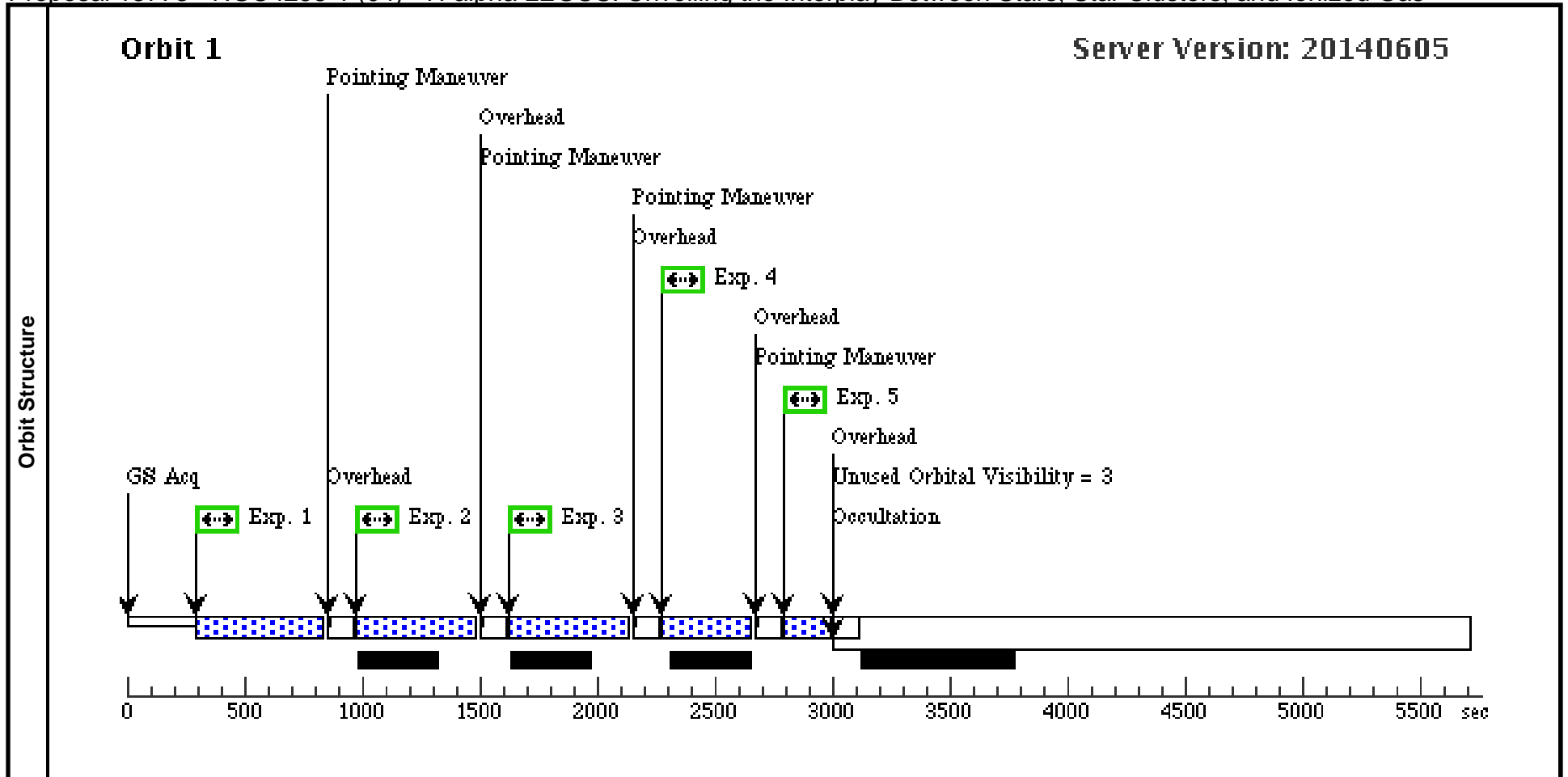
Visit	Proposal 13773, NGC3351 (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 119.5D TO 120.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	NGC3351	RA: 10 43 54.9000 (160.9787500d) Dec: +11 41 24.90 (11.69025d) Equinox: J2000		V=11.40	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(3) NGC3351	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			514 Secs (514 Secs) [==>]	[1]
	2	Ha-2	(3) NGC3351	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		514 Secs (514 Secs) [==>]	[1]
	3	Ha-3	(3) NGC3351	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		514 Secs (514 Secs) [==>]	[1]
	4	V-1	(3) NGC3351	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		350 Secs (350 Secs) [==>]	[1]
	5	V-2	(3) NGC3351	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC4258-1 (04) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:55 GMT 2014

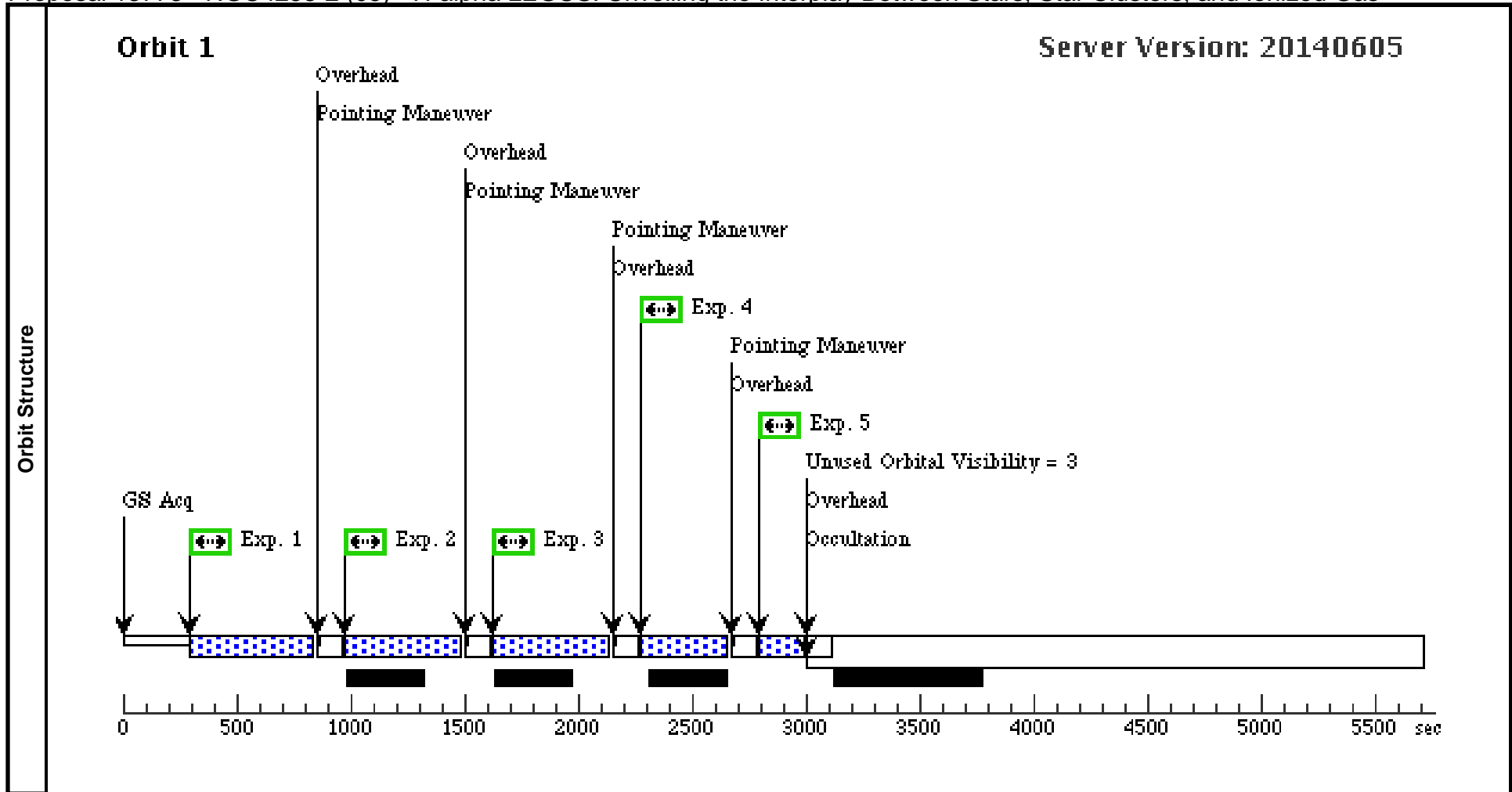
Visit	Proposal 13773, NGC4258-1 (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 187D TO 189 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	NGC4258-1	RA: 12 18 57.6400 (184.7401667d) Dec: +47 18 8.92 (47.30248d) Equinox: J2000		V=9.10	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(4) NGC4258-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(4) NGC4258-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(4) NGC4258-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(4) NGC4258-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(4) NGC4258-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC4258-2 (05) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:55 GMT 2014

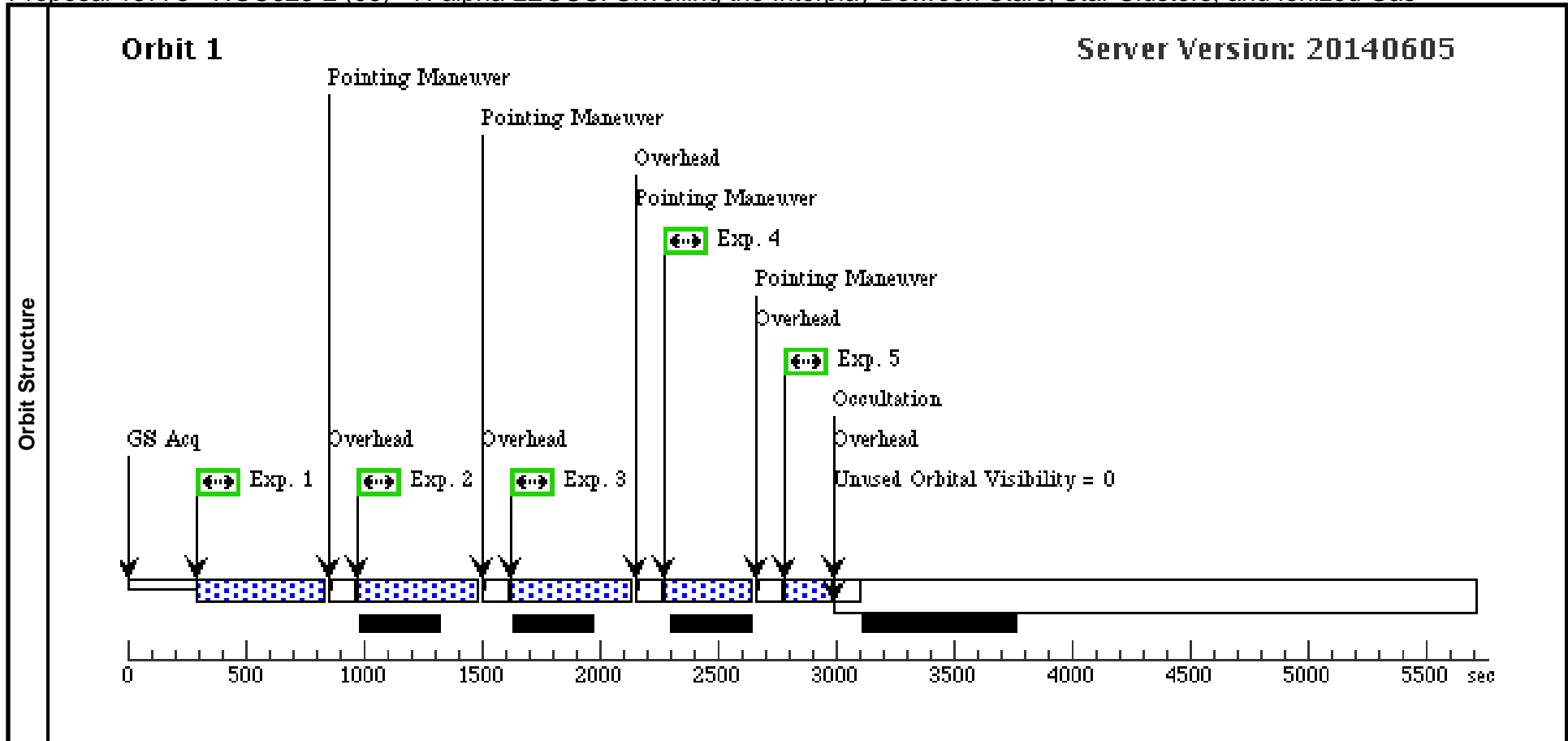
Visit	Proposal 13773, NGC4258-2 (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 187D TO 189 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	NGC4258-2	RA: 12 18 49.6900 (184.7070417d) Dec: +47 20 12.26 (47.33674d) Equinox: J2000		V=9.10	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(5) NGC4258-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(5) NGC4258-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(5) NGC4258-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(5) NGC4258-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(5) NGC4258-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC628-2 (06) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

Visit	Proposal 13773, NGC628-2 (06), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 188D TO 198 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(6)	NGC628-2	RA: 01 36 52.0600 (24.2169167d) Dec: +15 45 50.80 (15.76411d) Equinox: J2000		V=9.85	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(6) NGC628-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	GS ACQ SCENARI O BASE1B3		513 Secs (513 Secs) [==>]	[1]
	2	Ha-2	(6) NGC628-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		513 Secs (513 Secs) [==>]	[1]
	3	Ha-3	(6) NGC628-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		513 Secs (513 Secs) [==>]	[1]
	4	V-1	(6) NGC628-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		351 Secs (351 Secs) [==>]	[1]
	5	V-2	(6) NGC628-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



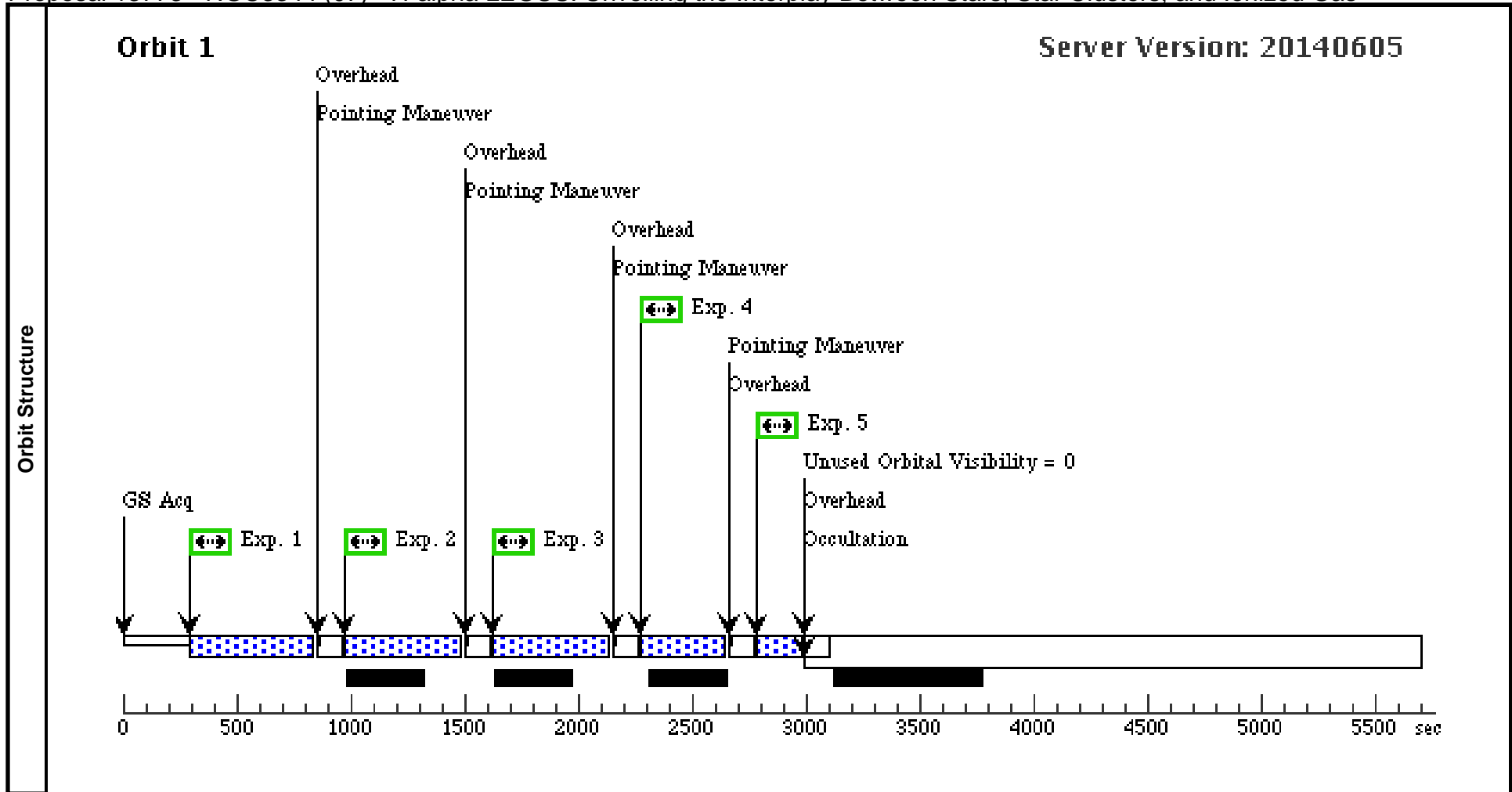
Proposal 13773 - NGC3344 (07) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	NGC3344	RA: 10 43 30.7700 (160.8782083d) Dec: +24 55 6.44 (24.91846d) Equinox: J2000		V=10.45	Reference Frame: ICRS

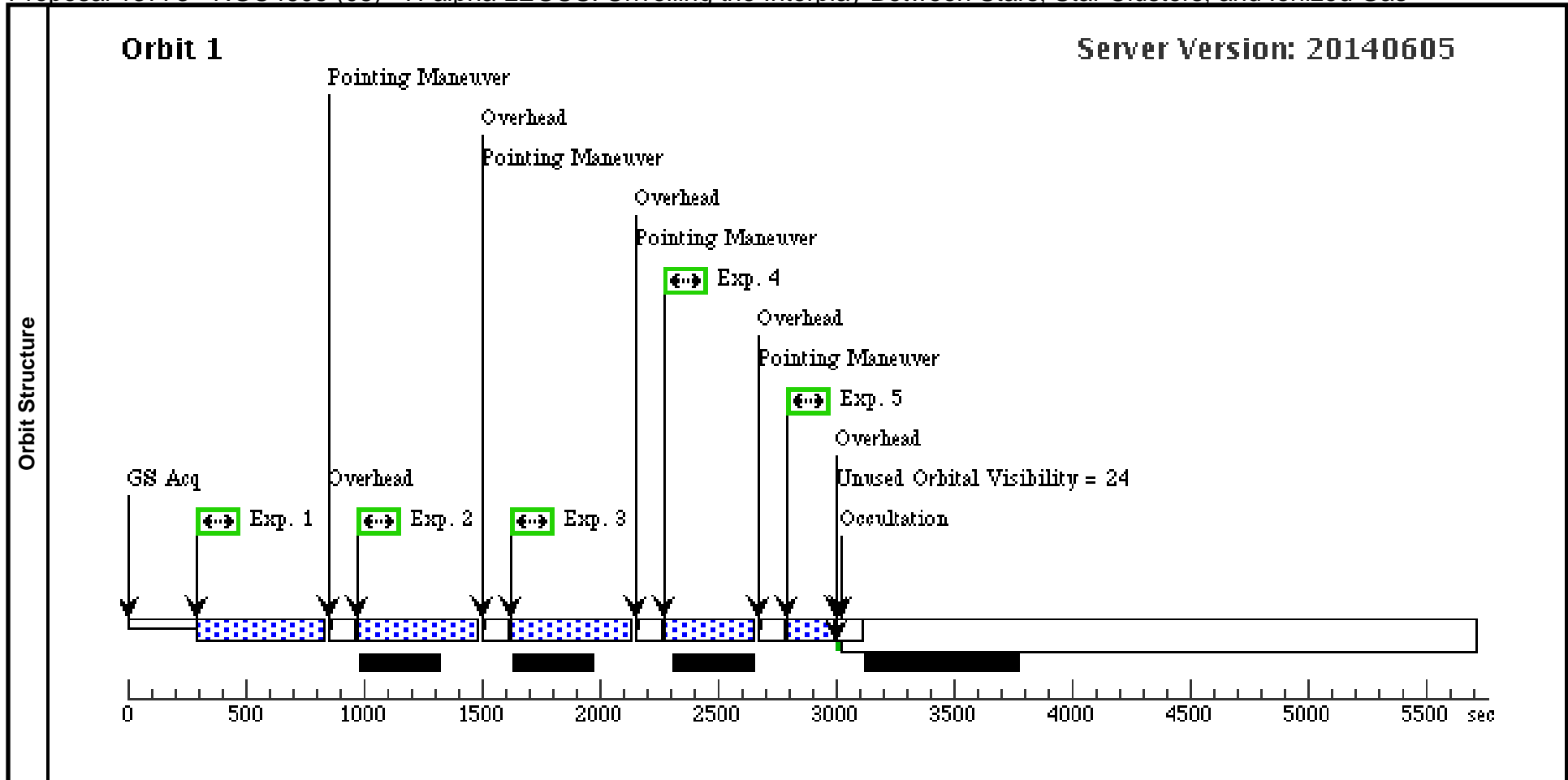
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(7) NGC3344	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	GS ACQ SCENARI O BASE1B3		515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(7) NGC3344	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(7) NGC3344	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(7) NGC3344	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		349 Secs (349 Secs) [==>]	[1]
	5	V-2	(7) NGC3344	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC4605 (08) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

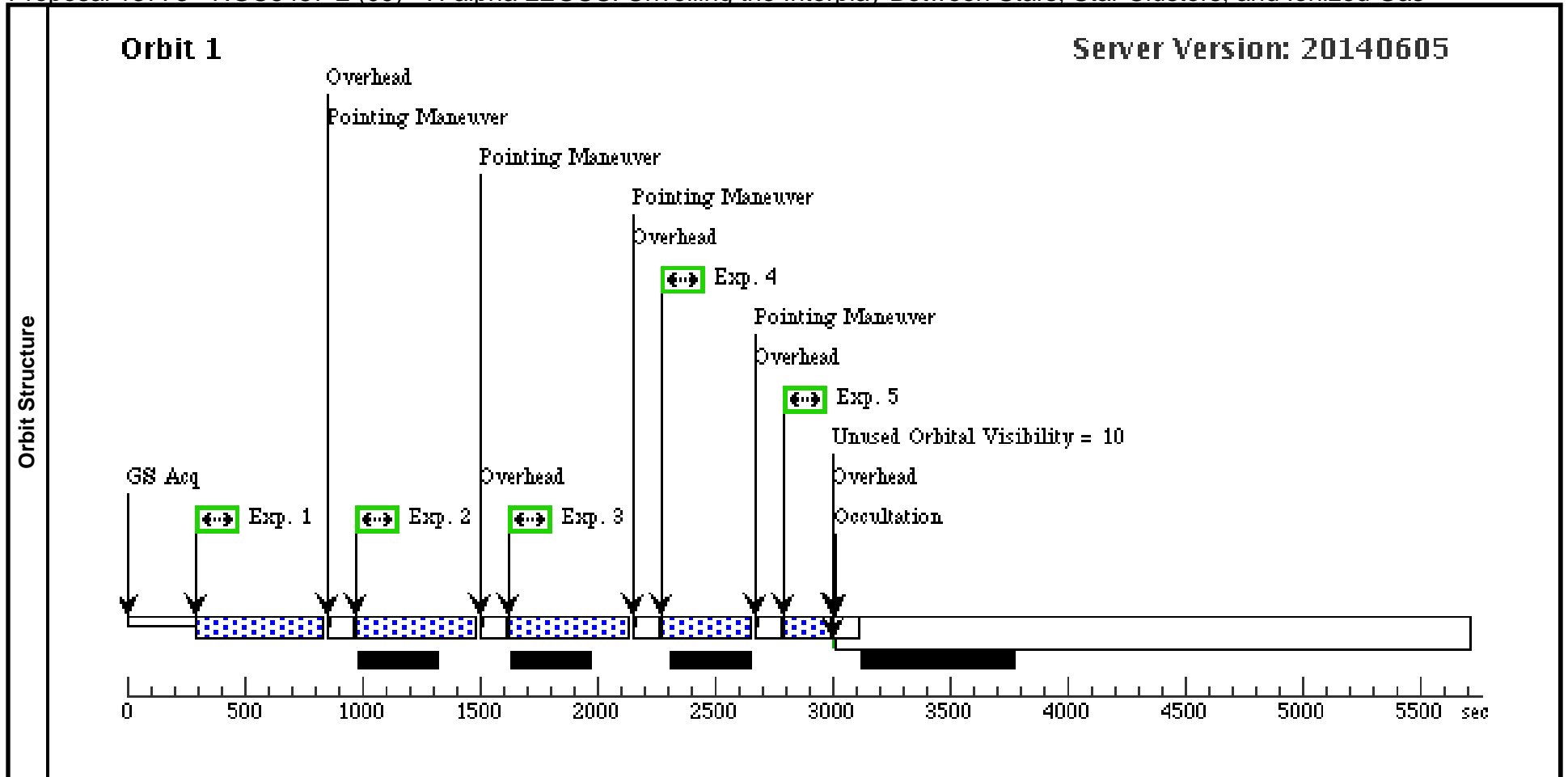
Visit	Proposal 13773, NGC4605 (08), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 42D TO 52 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(8)	NGC4605	RA: 12 39 59.6900 (189.9987083d) Dec: +61 36 32.20 (61.60894d) Equinox: J2000		V=10.89	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(8) NGC4605	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(8) NGC4605	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(8) NGC4605	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(8) NGC4605	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(8) NGC4605	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC5457-2 (09) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

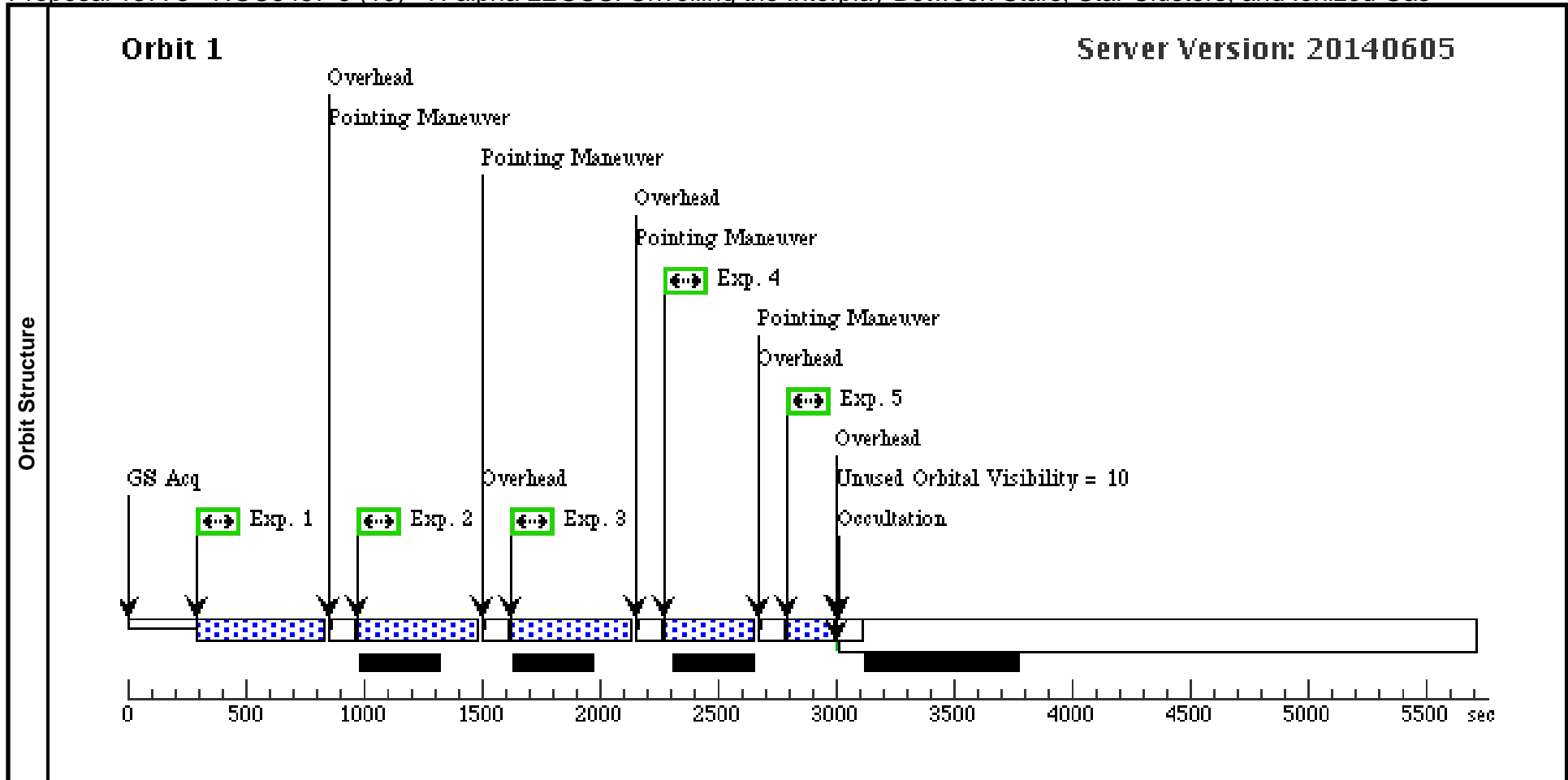
Visit	Proposal 13773, NGC5457-2 (09), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 358.5D TO 08.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	NGC5457-2	RA: 14 02 58.7660 (210.7448583d) Dec: +54 23 16.18 (54.38783d) Equinox: J2000		V=8.31	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(9) NGC5457-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	GS ACQ SCENARI O BASE1B3		515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(9) NGC5457-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(9) NGC5457-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(9) NGC5457-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(9) NGC5457-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC5457-3 (10) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

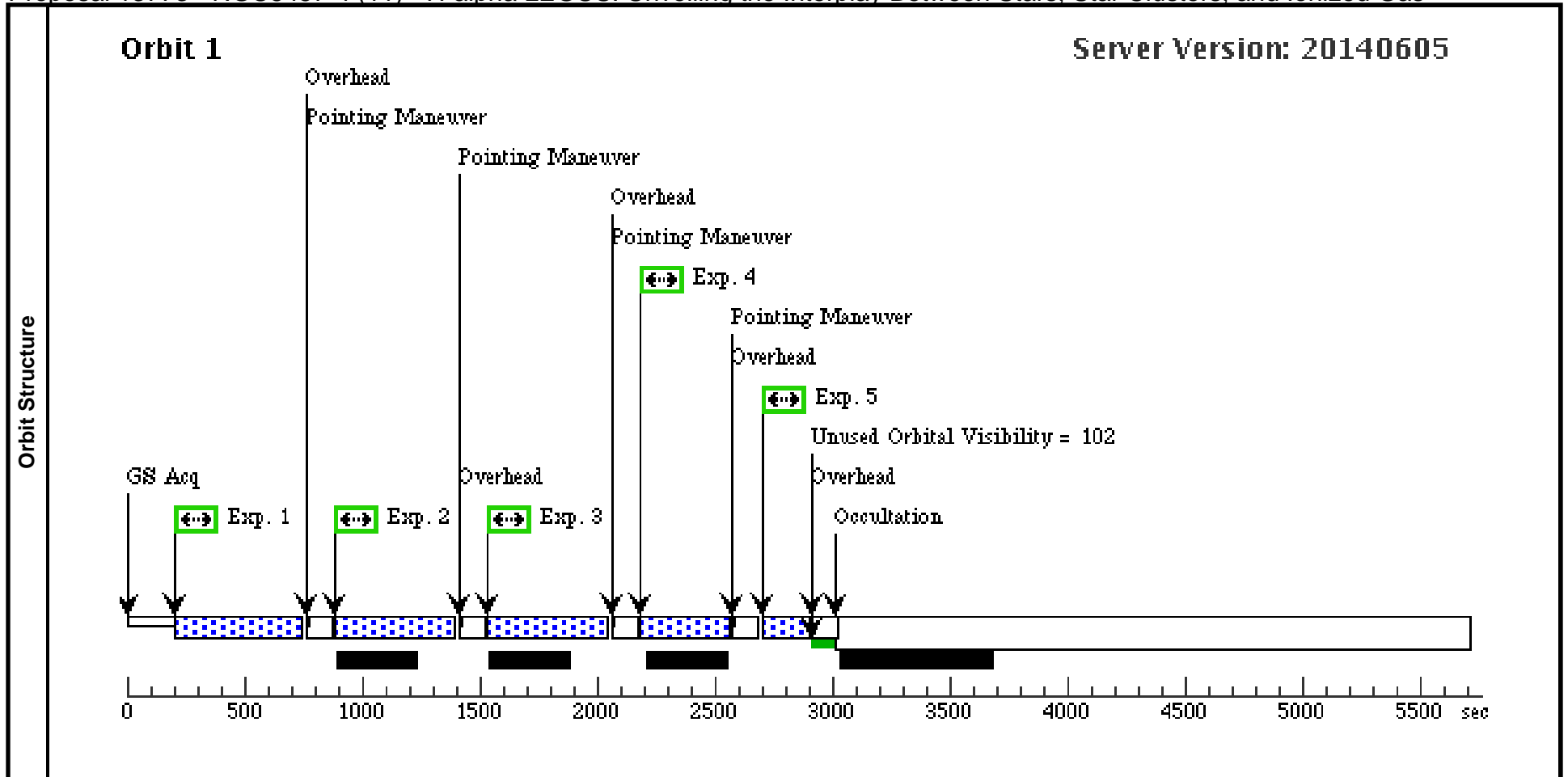
Visit	Proposal 13773, NGC5457-3 (10), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 358.5D TO 08.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(10)	NGC5457-3	RA: 14 02 48.4300 (210.7017917d) Dec: +54 25 12.81 (54.42022d) Equinox: J2000		V=8.31	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(10) NGC5457-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	GS ACQ SCENARI O BASE1B3		515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(10) NGC5457-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(10) NGC5457-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(10) NGC5457-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(10) NGC5457-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC5457-4 (11) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

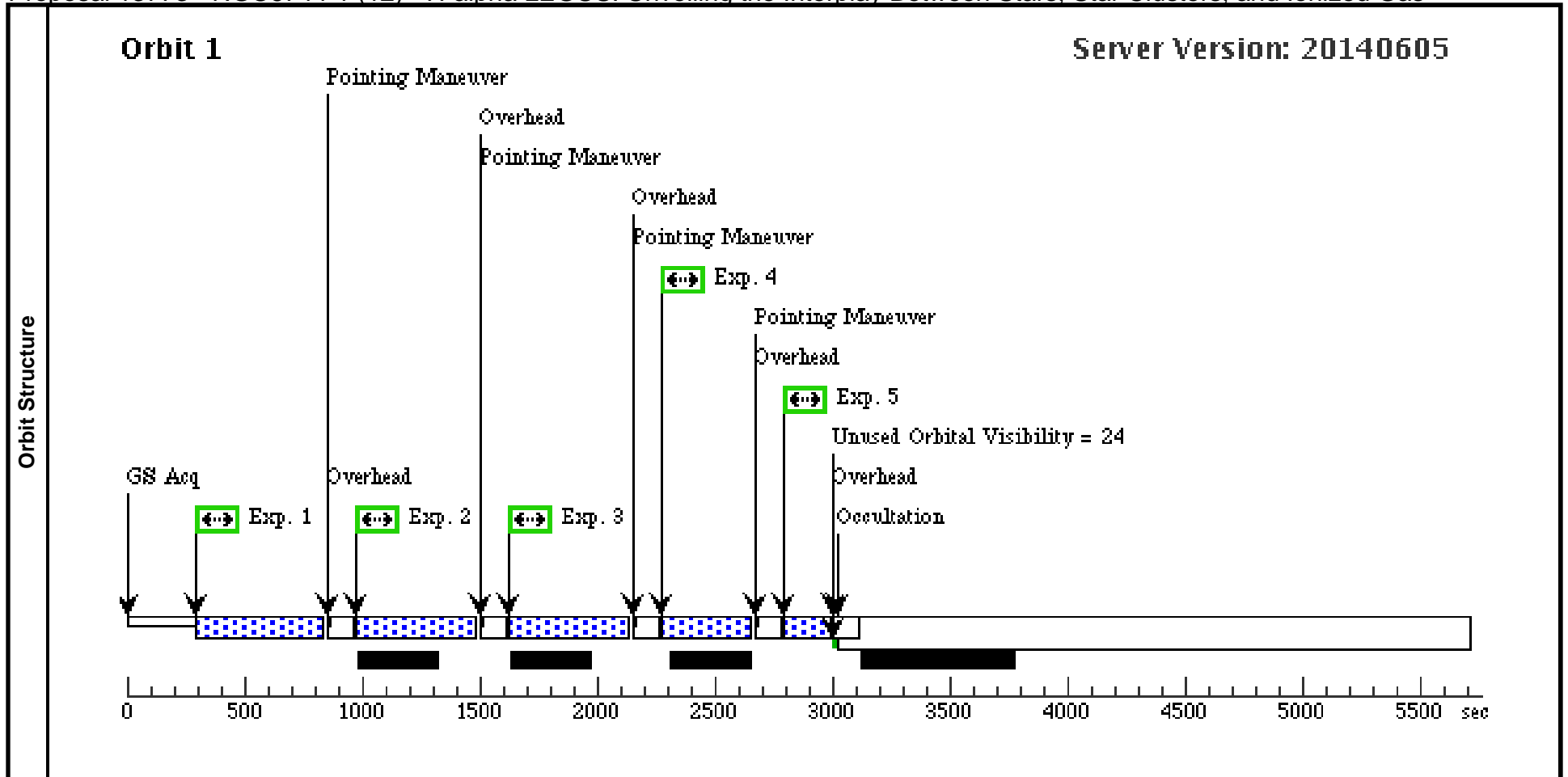
Visit	Proposal 13773, NGC5457-4 (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 358.5D TO 8.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(11)	NGC5457-4	RA: 14 02 38.0770 (210.6586542d) Dec: +54 27 9.38 (54.45261d) Equinox: J2000		V=8.31	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(11) NGC5457-4	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	GS ACQ SCENARI O ONEB1B3		515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(11) NGC5457-4	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(11) NGC5457-4	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(11) NGC5457-4	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(11) NGC5457-4	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC6744-1 (12) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

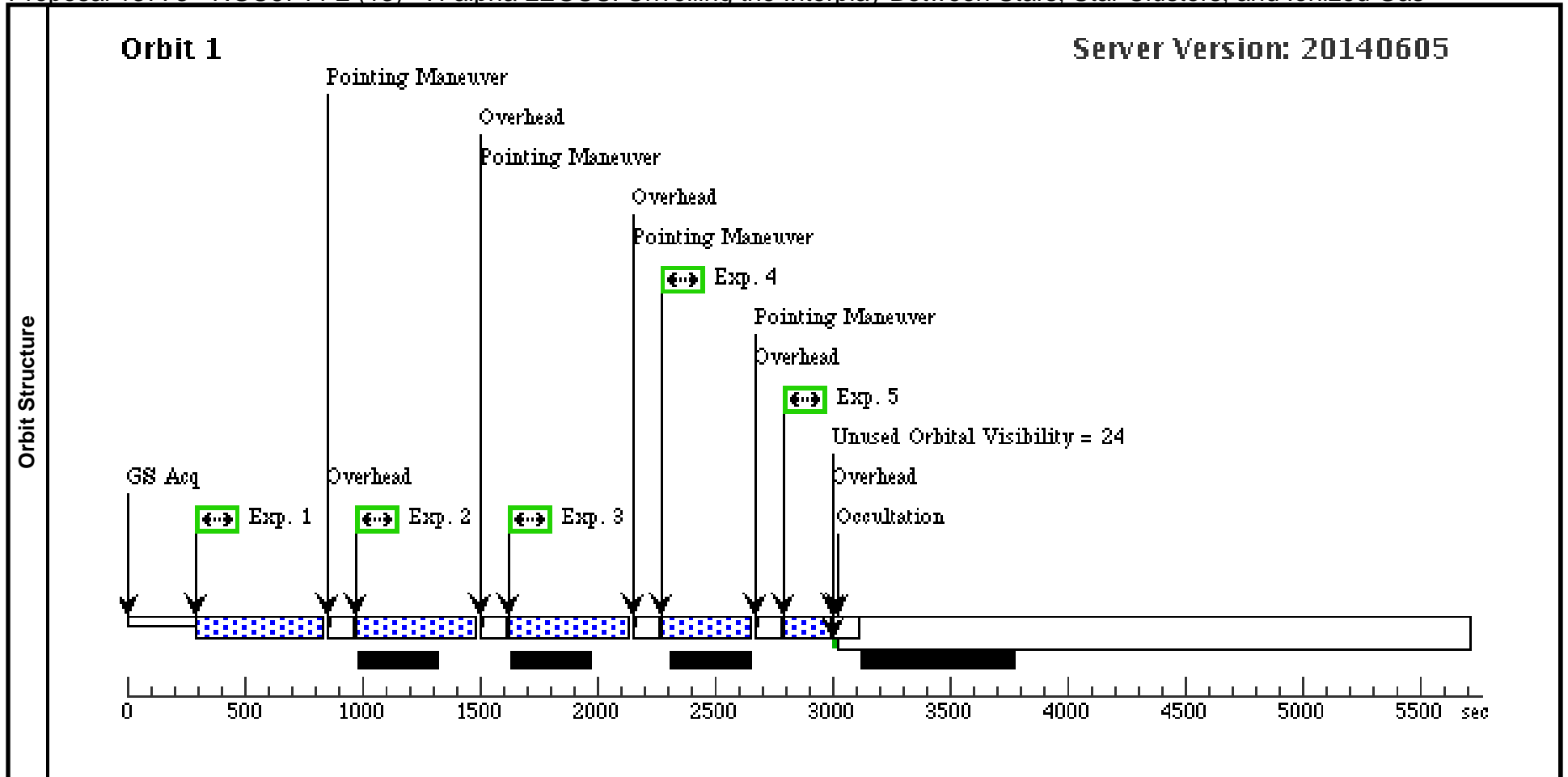
Visit	Proposal 13773, NGC6744-1 (12), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 13.5D TO 14.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(12)	NGC6744-1	RA: 19 09 43.6980 (287.4320750d) Dec: -63 51 10.58 (-63.85294d) Equinox: J2000		V=9,14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(12) NGC6744-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(12) NGC6744-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(12) NGC6744-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(12) NGC6744-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(12) NGC6744-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC6744-2 (13) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

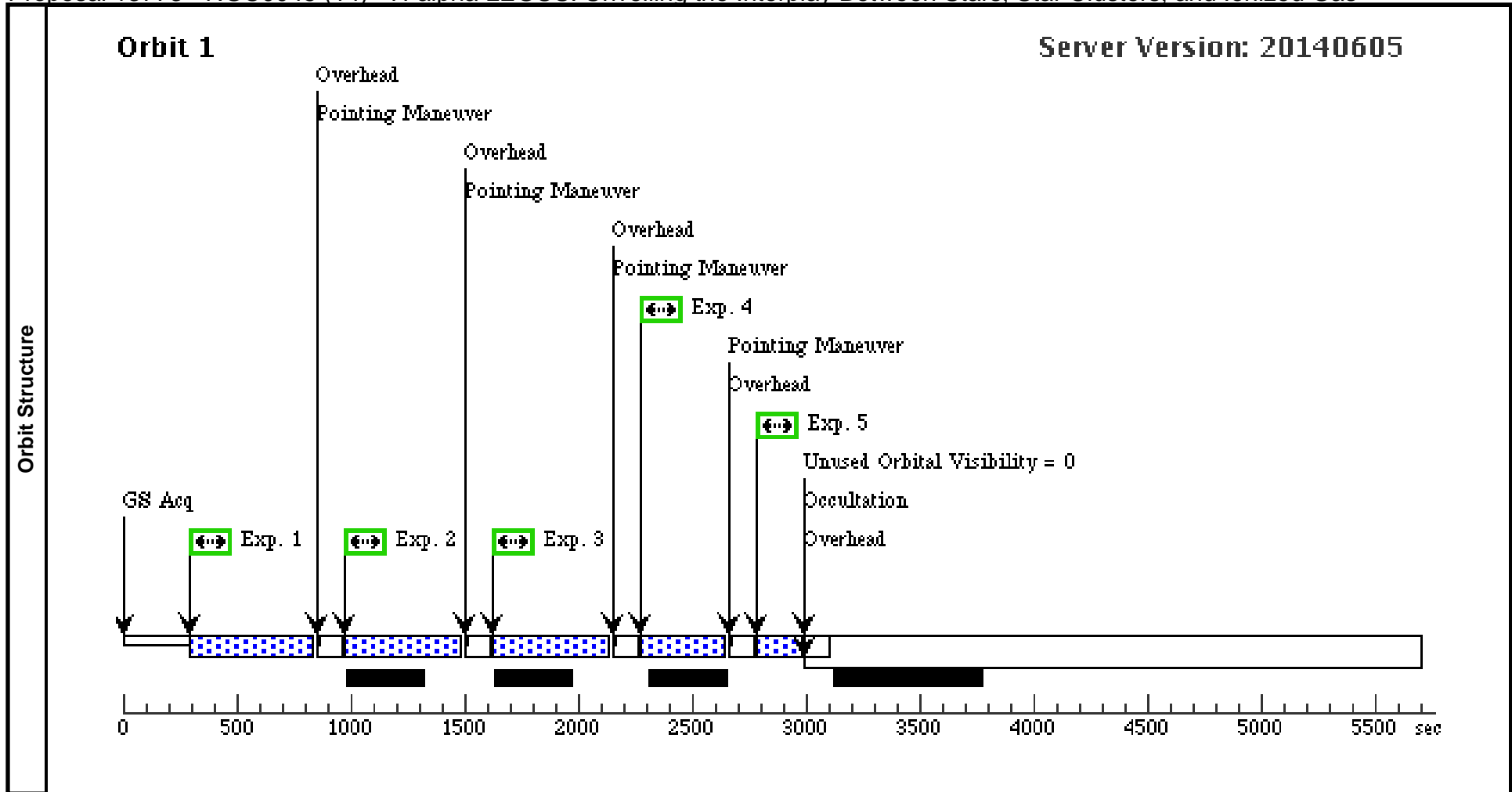
Visit	Proposal 13773, NGC6744-2 (13), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 13.5D TO 14.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(13)	NGC6744-2	RA: 19 10 1.1100 (287.5046250d) Dec: -63 49 24.90 (-63.82358d) Equinox: J2000		V=9.14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(13) NGC6744-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(13) NGC6744-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(13) NGC6744-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(13) NGC6744-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(13) NGC6744-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC0045 (14) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

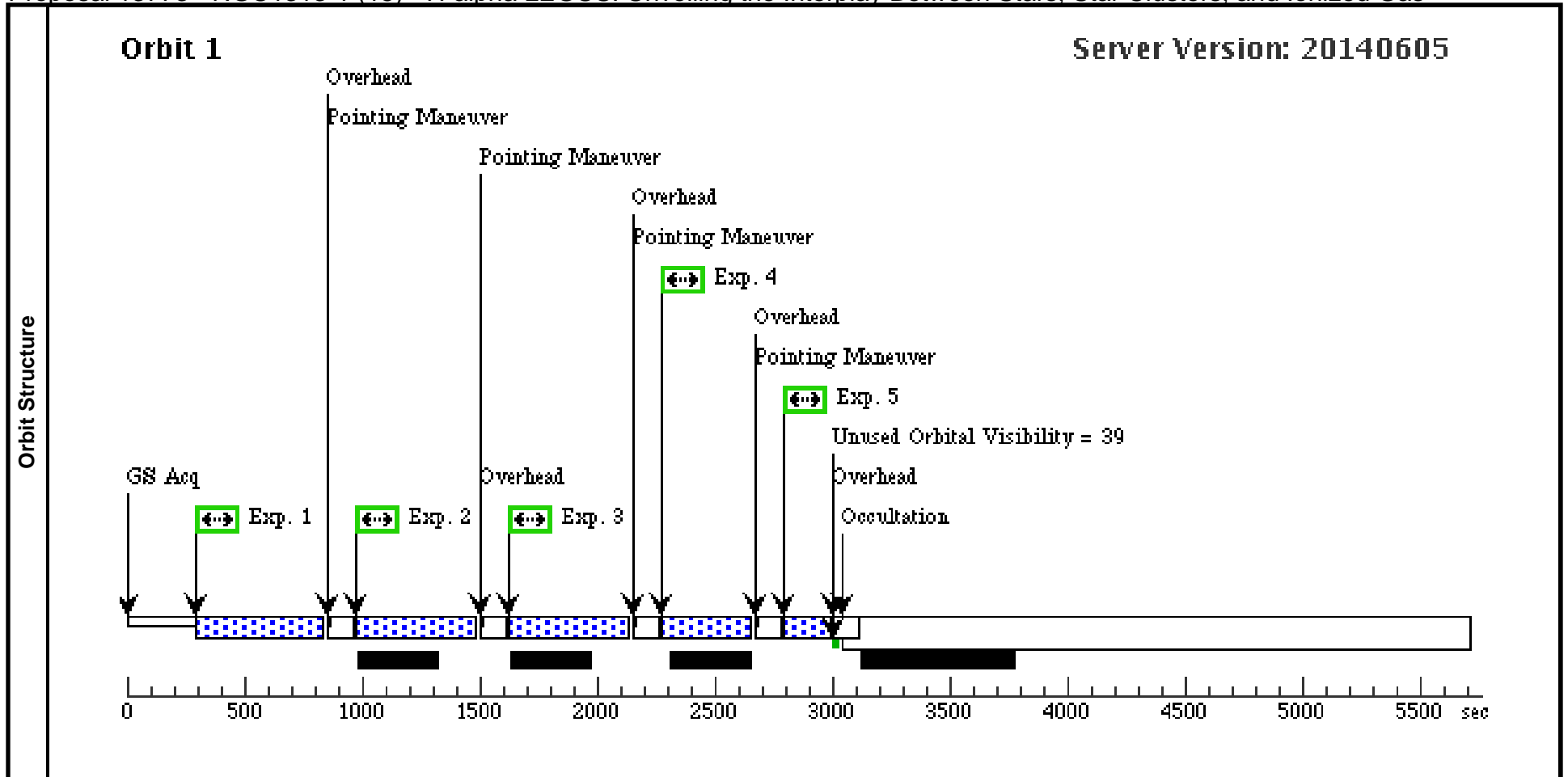
Visit	Proposal 13773, NGC0045 (14), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 279.5D TO 280.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(14)	NGC0045	RA: 00 14 0.4300 (3.5017917d) Dec: -23 10 3.40 (-23.16761d) Equinox: J2000		V=11.55	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(14) NGC0045	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(14) NGC0045	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(14) NGC0045	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(14) NGC0045	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		349 Secs (349 Secs) [==>]	[1]
	5	V-2	(14) NGC0045	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC1313-1 (15) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:56 GMT 2014

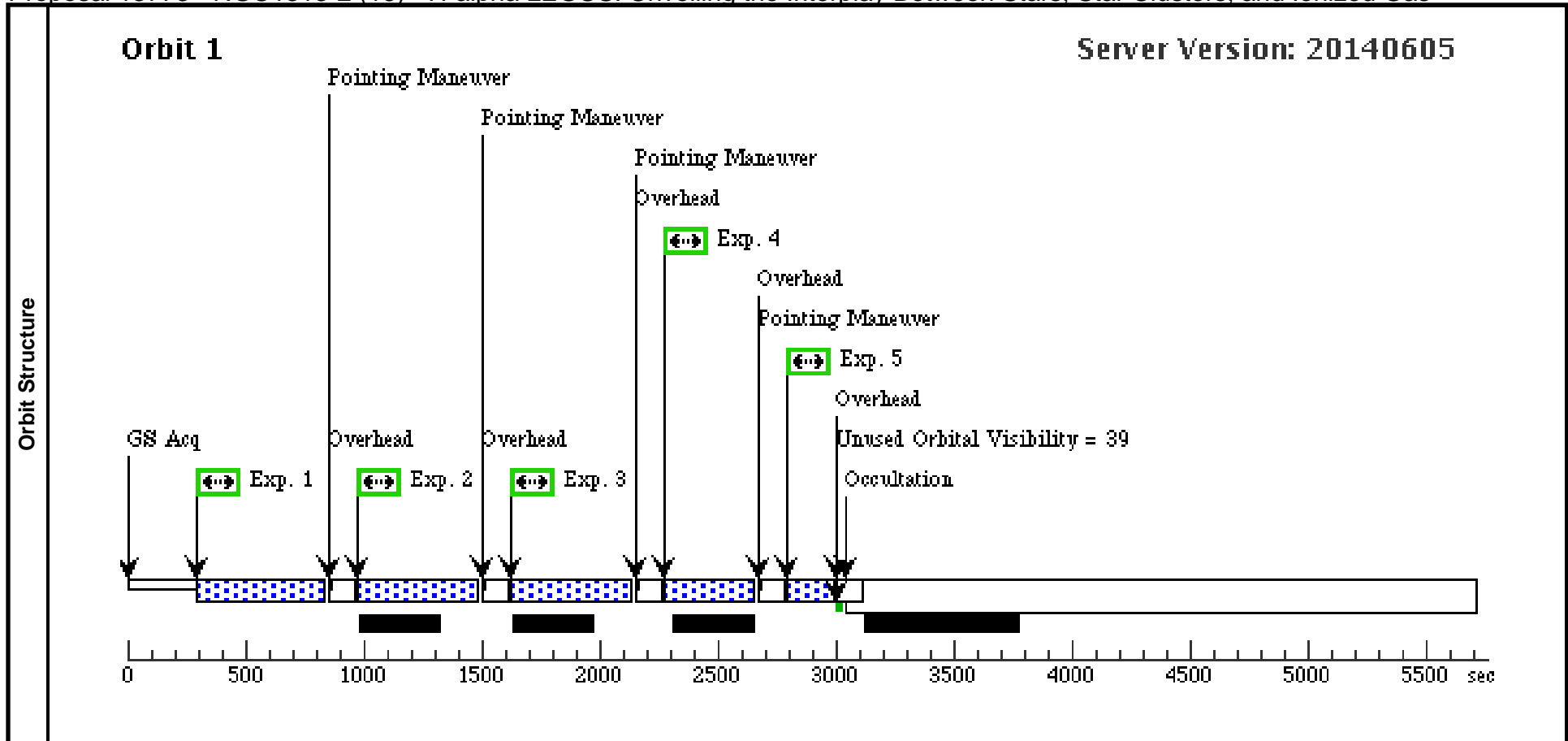
Visit	Proposal 13773, NGC1313-1 (15), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 93D TO 99 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(15)	NGC1313-1	RA: 03 18 29.9820 (49.6249250d) Dec: -66 28 40.49 (-66.47791d) Equinox: J2000		V=9.20	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(15) NGC1313-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(15) NGC1313-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(15) NGC1313-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(15) NGC1313-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(15) NGC1313-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC1313-2 (16) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

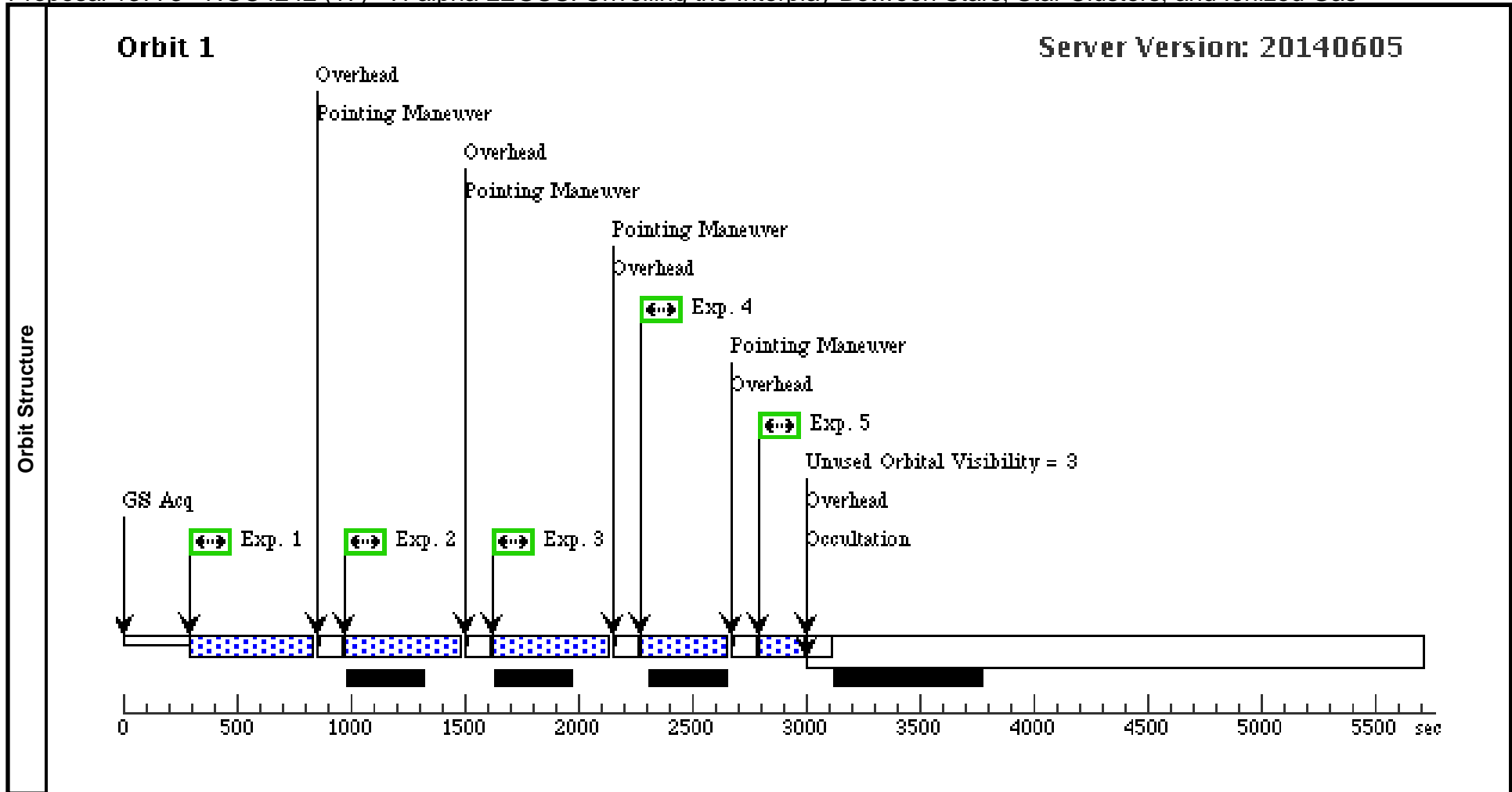
Visit	Proposal 13773, NGC1313-2 (16), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 95D TO 99 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(16)	NGC1313-2	RA: 03 18 9.6090 (49.5400375d) Dec: -66 30 3.47 (-66.50096d) Equinox: J2000		V=9.20	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(16) NGC1313-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(16) NGC1313-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(16) NGC1313-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(16) NGC1313-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(16) NGC1313-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC4242 (17) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

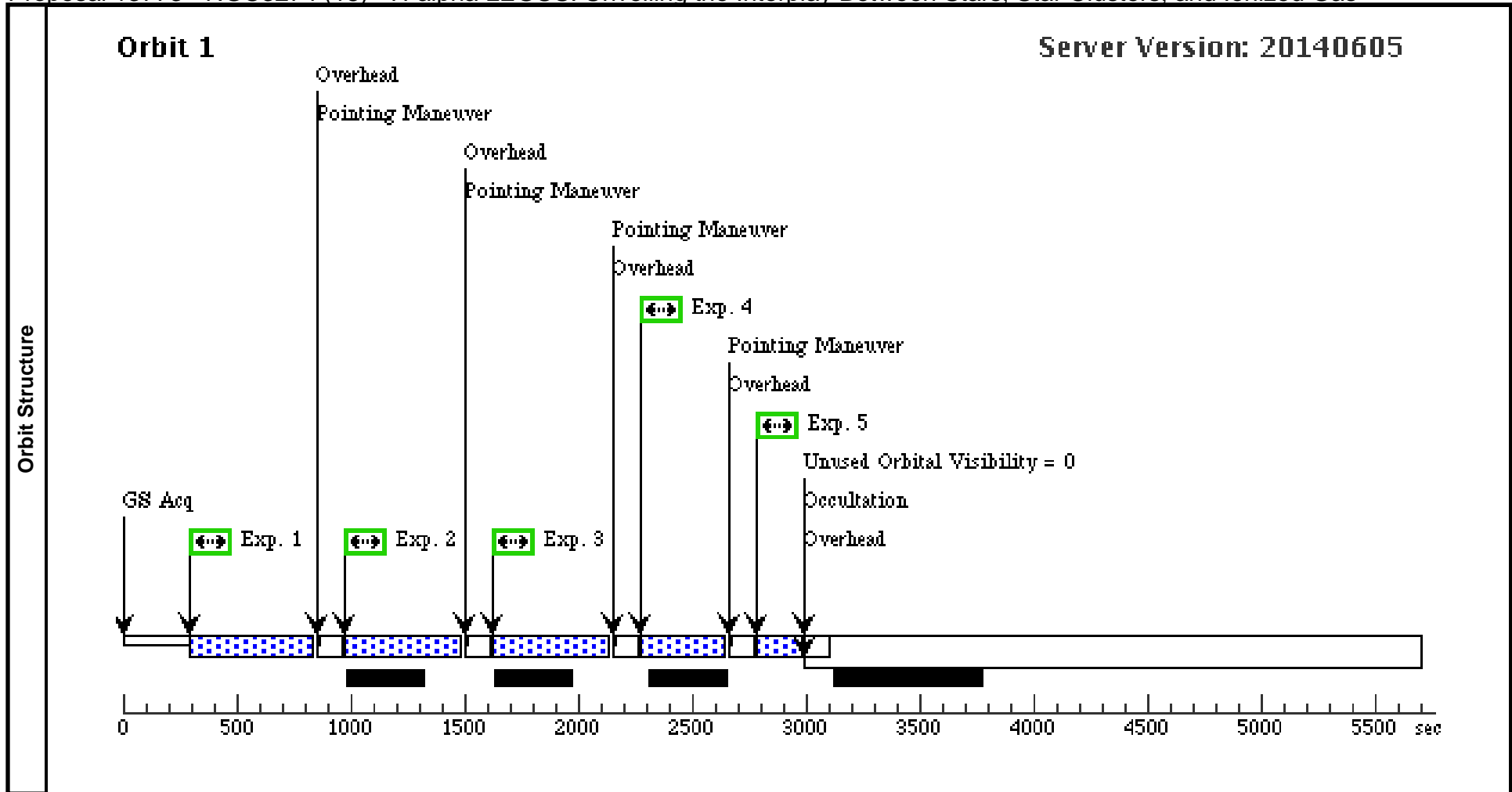
Visit	Proposal 13773, NGC4242 (17), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 139.5D TO 140.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(17)	NGC4242	RA: 12 17 31.6530 (184.3818875d) Dec: +45 37 16.80 (45.62133d) Equinox: J2000		V=11.37	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(17) NGC4242	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(17) NGC4242	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(17) NGC4242	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(17) NGC4242	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(17) NGC4242	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC3274 (18) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

Visit	Proposal 13773, NGC3274 (18), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 210.5D TO 212.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(18)	NGC3274	RA: 10 32 17.3000 (158.0720833d) Dec: +27 40 14.00 (27.67056d) Equinox: J2000		V=13.21	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(18) NGC3274	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	GS ACQ SCENARI O BASE1B3		515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(18) NGC3274	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(18) NGC3274	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(18) NGC3274	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		349 Secs (349 Secs) [==>]	[1]
	5	V-2	(18) NGC3274	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



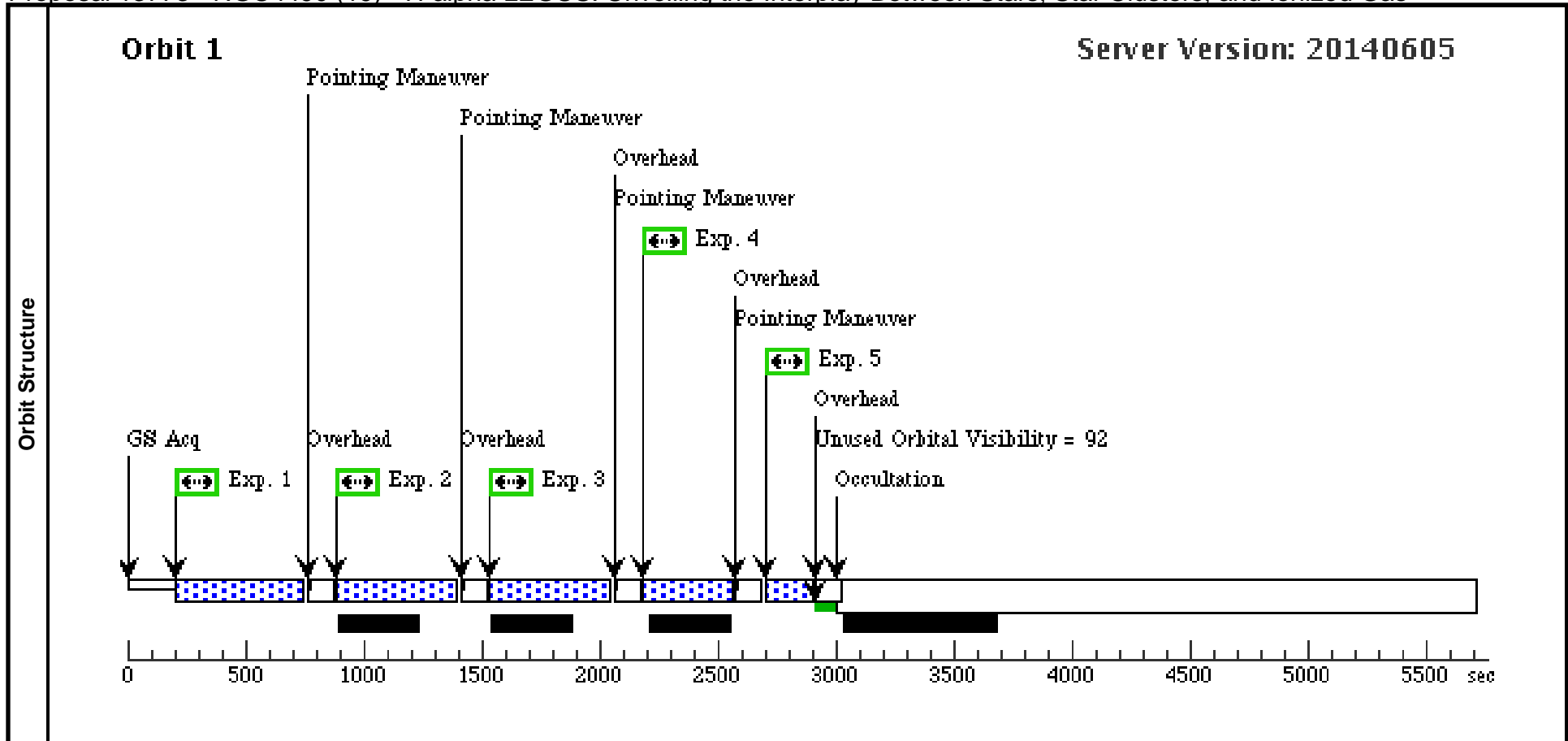
Proposal 13773 - NGC4490 (19) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(19)	NGC4490	RA: 12 30 36.1400 (187.6505833d) Dec: +41 38 30.40 (41.64178d) Equinox: J2000		V=10.22	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(19) NGC4490	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	GS ACQ SCENARI O ONEB1B3		515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(19) NGC4490	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(19) NGC4490	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(19) NGC4490	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(19) NGC4490	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



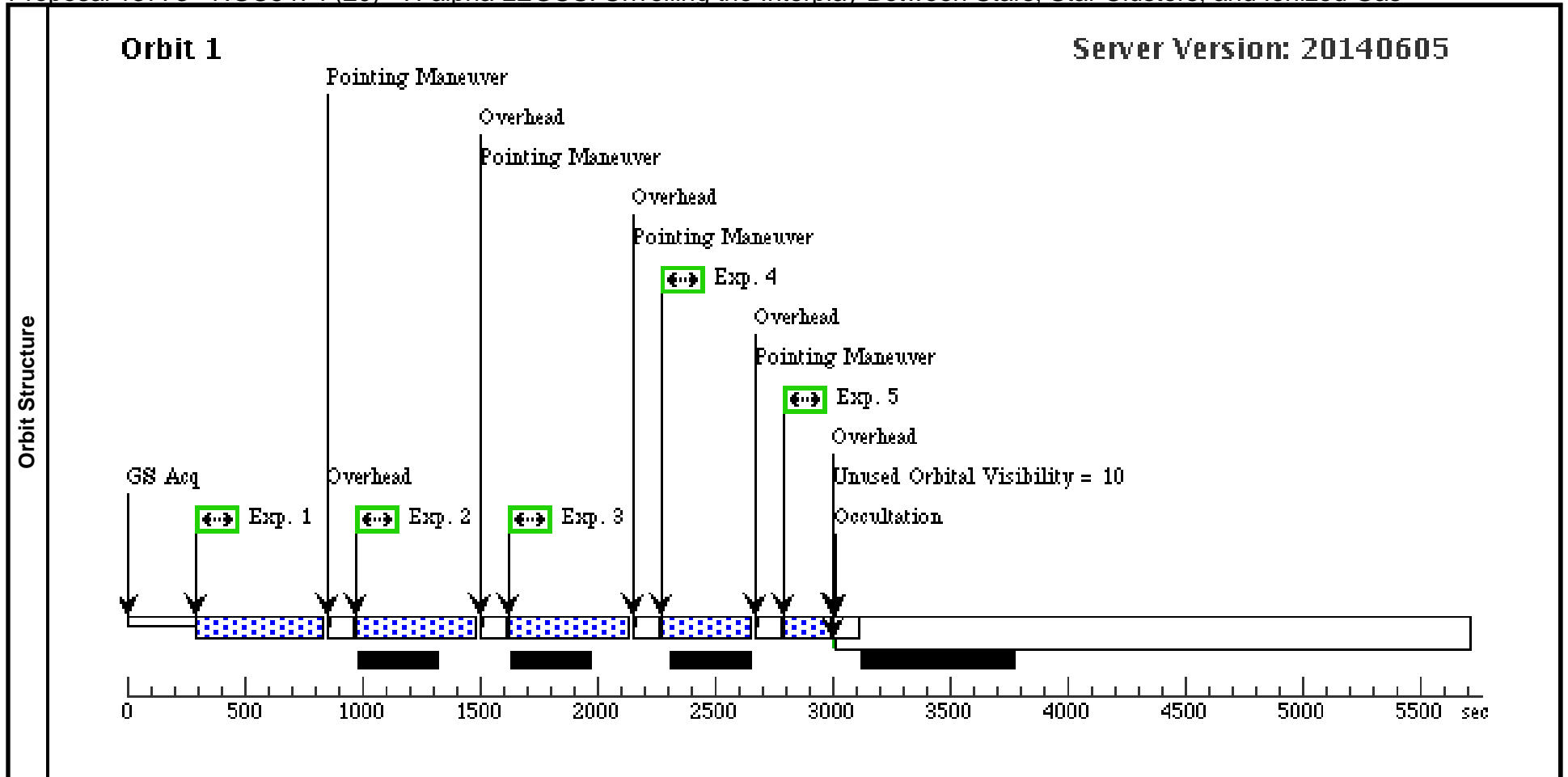
Proposal 13773 - NGC5474 (20) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(20)	NGC5474	RA: 14 05 0.9000 (211.2537500d) Dec: +53 39 44.00 (53.66222d) Equinox: J2000			V=11.28

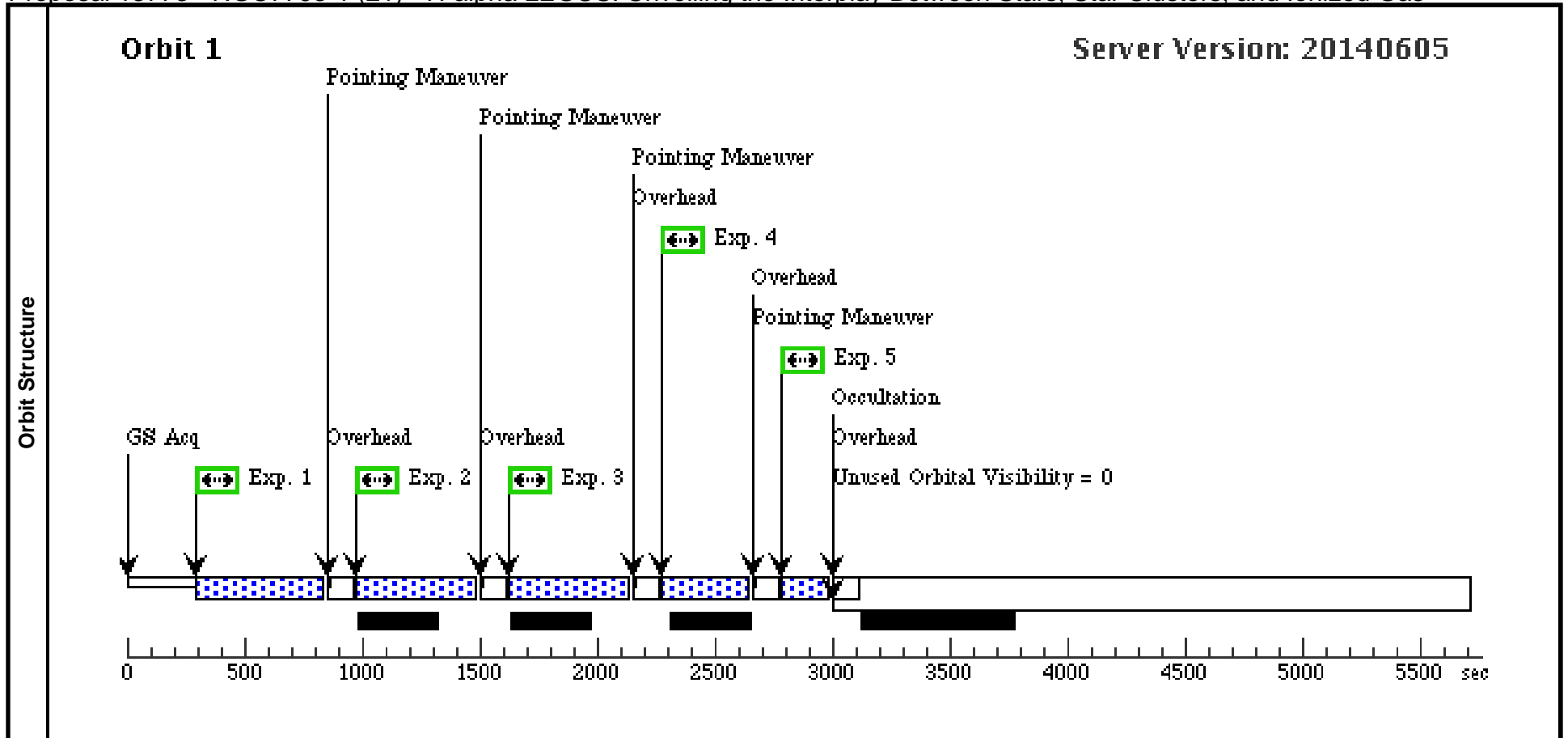
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(20) NGC5474	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(20) NGC5474	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(20) NGC5474	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(20) NGC5474	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(20) NGC5474	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC7793-1 (21) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

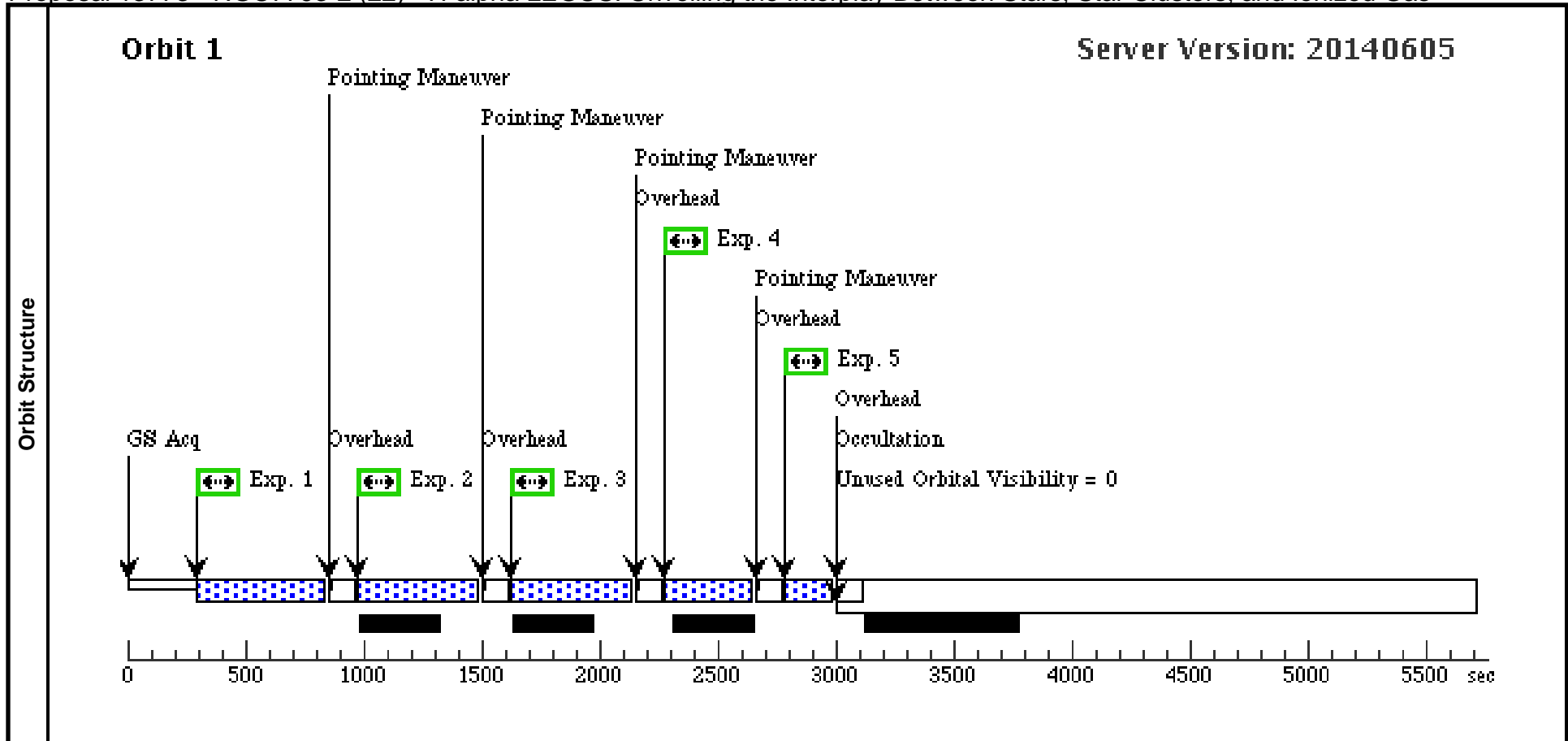
Visit	Proposal 13773, NGC7793-1 (21), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 85D TO 95 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(21)	NGC7793-1	RA: 23 57 40.8600 (359.4202500d) Dec: -32 35 20.60 (-32.58906d) Equinox: J2000		V=9.98	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(21) NGC7793-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(21) NGC7793-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(21) NGC7793-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(21) NGC7793-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		350 Secs (350 Secs) [==>]	[1]
	5	V-2	(21) NGC7793-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC7793-2 (22) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

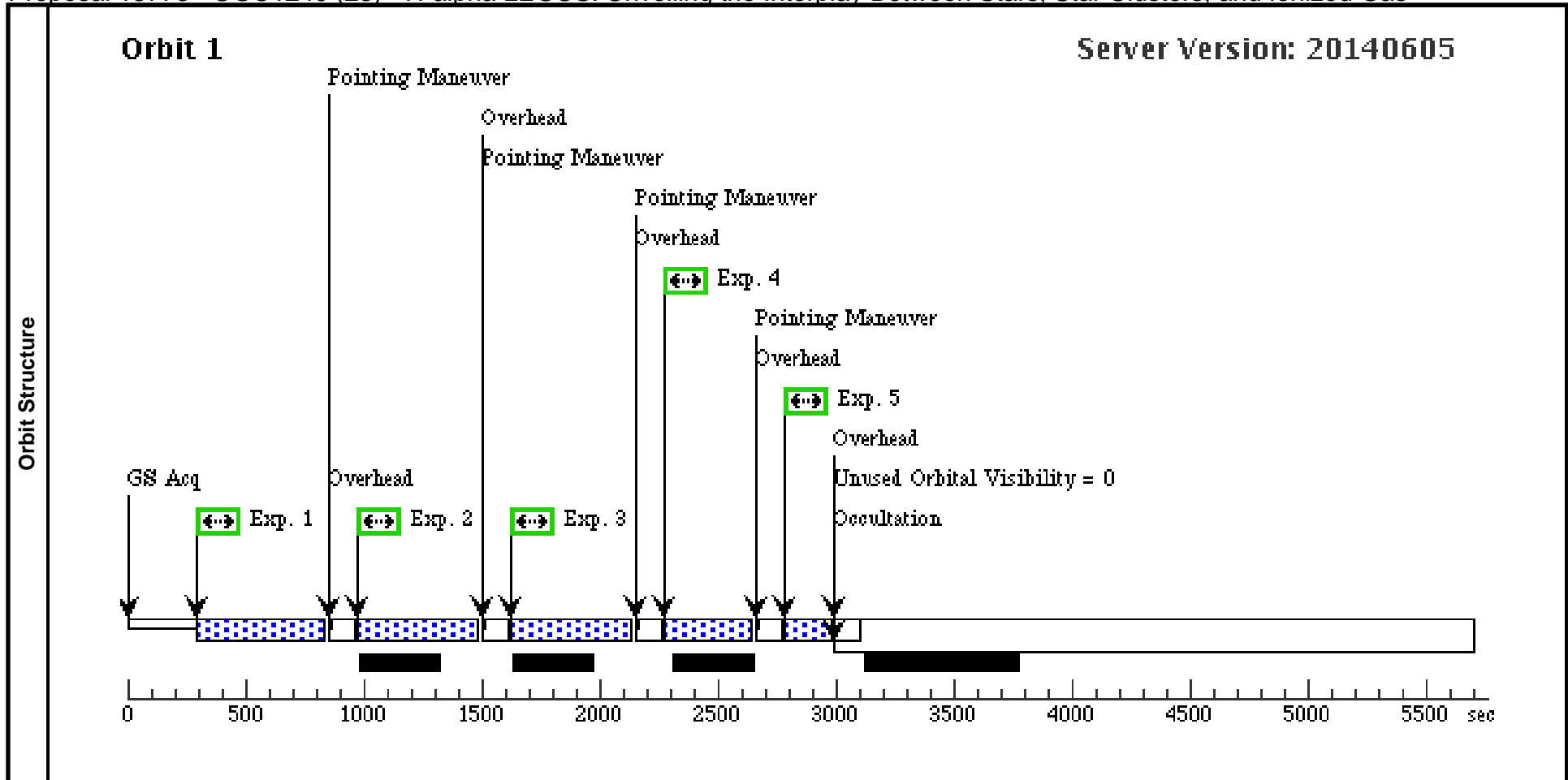
Visit	Proposal 13773, NGC7793-2 (22), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 85D TO 95 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(22)	NGC7793-2	RA: 23 57 51.2250 (359.4634375d) Dec: -32 35 13.90 (-32.58719d) Equinox: J2000		V=9.98	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(22) NGC7793-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(22) NGC7793-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(22) NGC7793-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(22) NGC7793-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		350 Secs (350 Secs) [==>]	[1]
	5	V-2	(22) NGC7793-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - UGC1249 (23) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

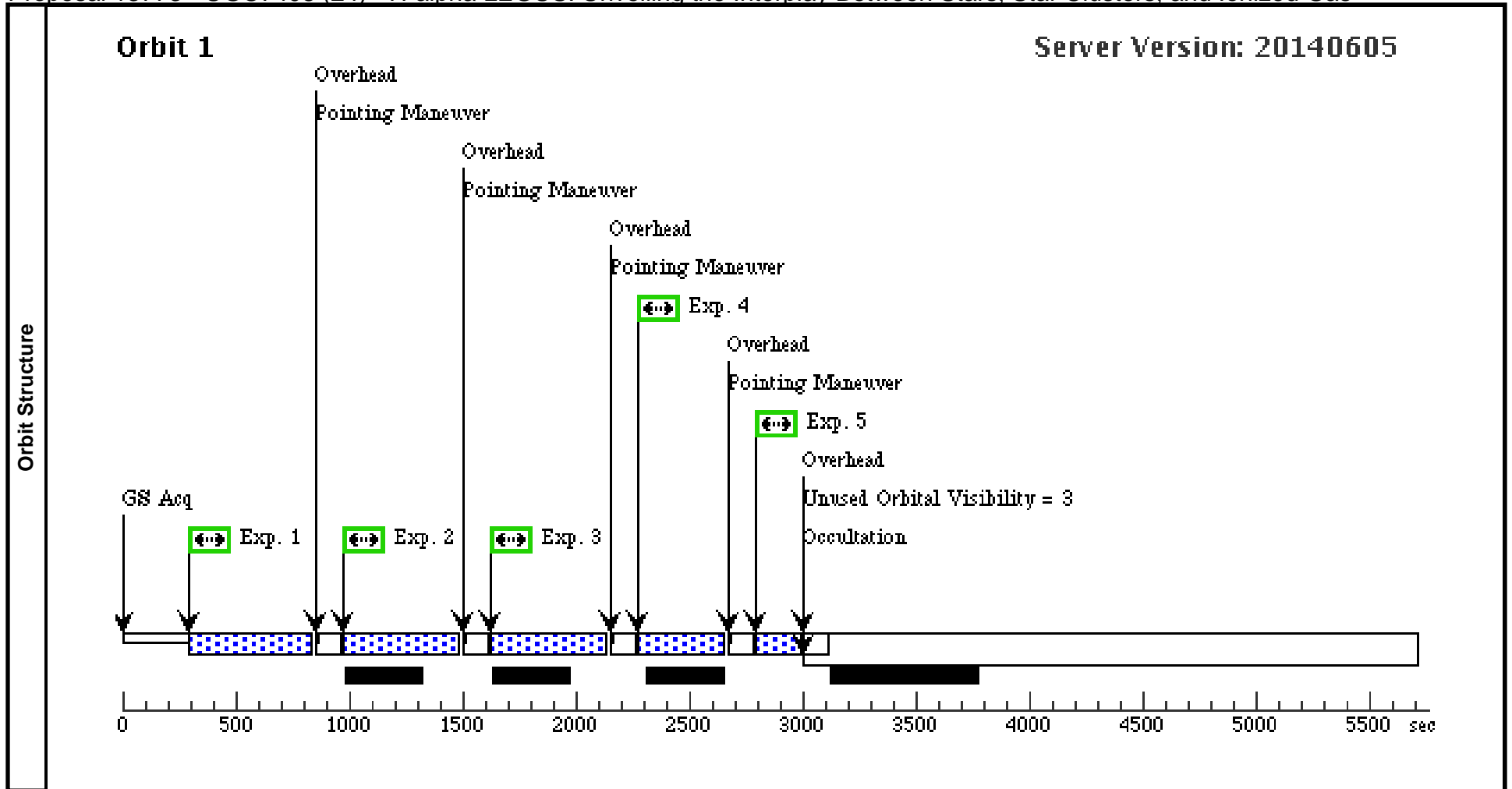
Visit	Proposal 13773, UGC1249 (23), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 234.0D TO 235.0 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(23)	UGC1249	RA: 01 47 29.1900 (26.8716250d) Dec: +27 20 3.00 (27.33417d) Equinox: J2000		V=12.07	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(23) UGC1249	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(23) UGC1249	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(23) UGC1249	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(23) UGC1249	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		349 Secs (349 Secs) [==>]	[1]
	5	V-2	(23) UGC1249	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - UGC7408 (24) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

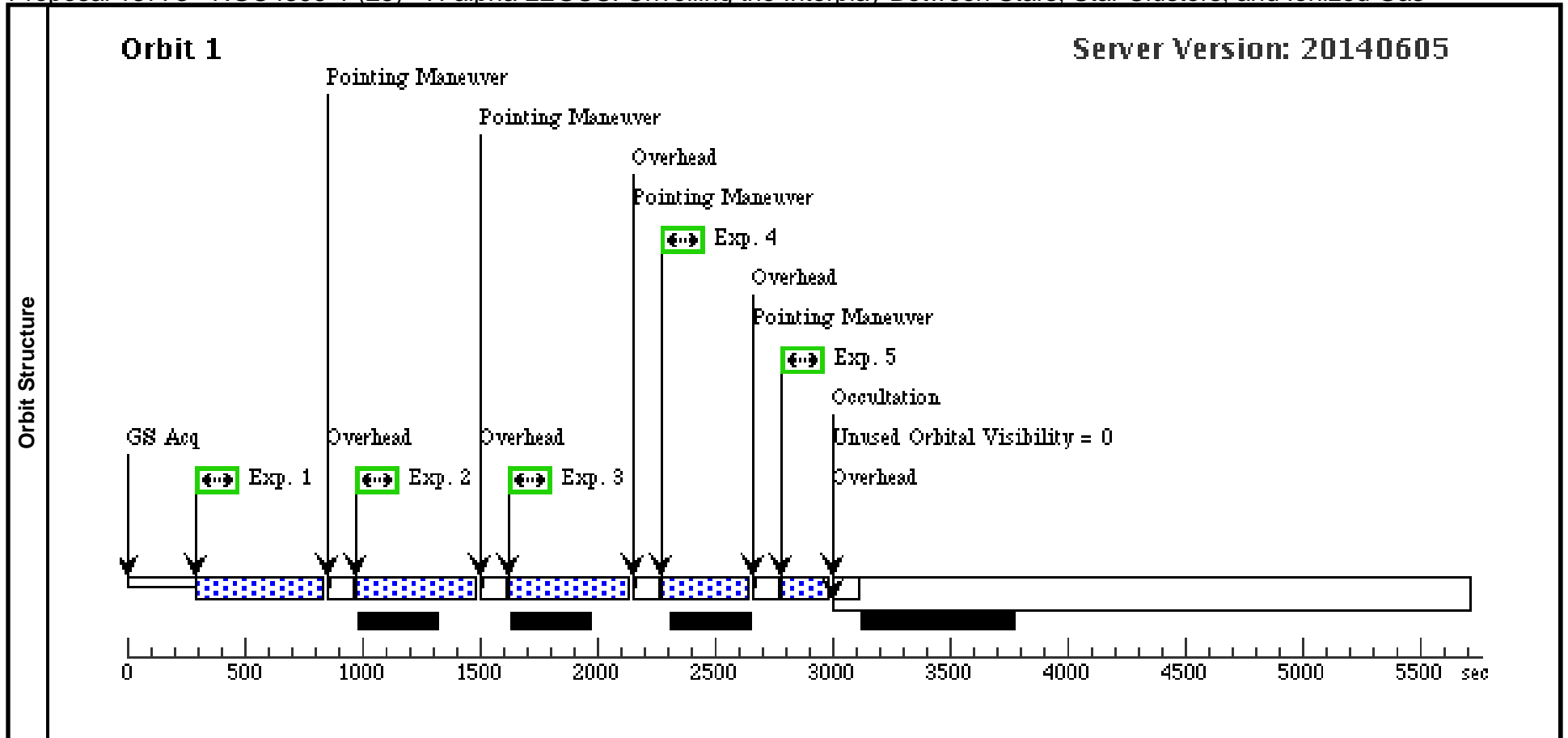
Visit	Proposal 13773, UGC7408 (24), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 340.3D TO 342.3 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(24)	UGC7408	RA: 12 21 15.0100 (185.3125417d) Dec: +45 48 41.40 (45.81150d) Equinox: J2000		V=13.35	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(24) UGC7408	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(24) UGC7408	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(24) UGC7408	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(24) UGC7408	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(24) UGC7408	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC4395-1 (25) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

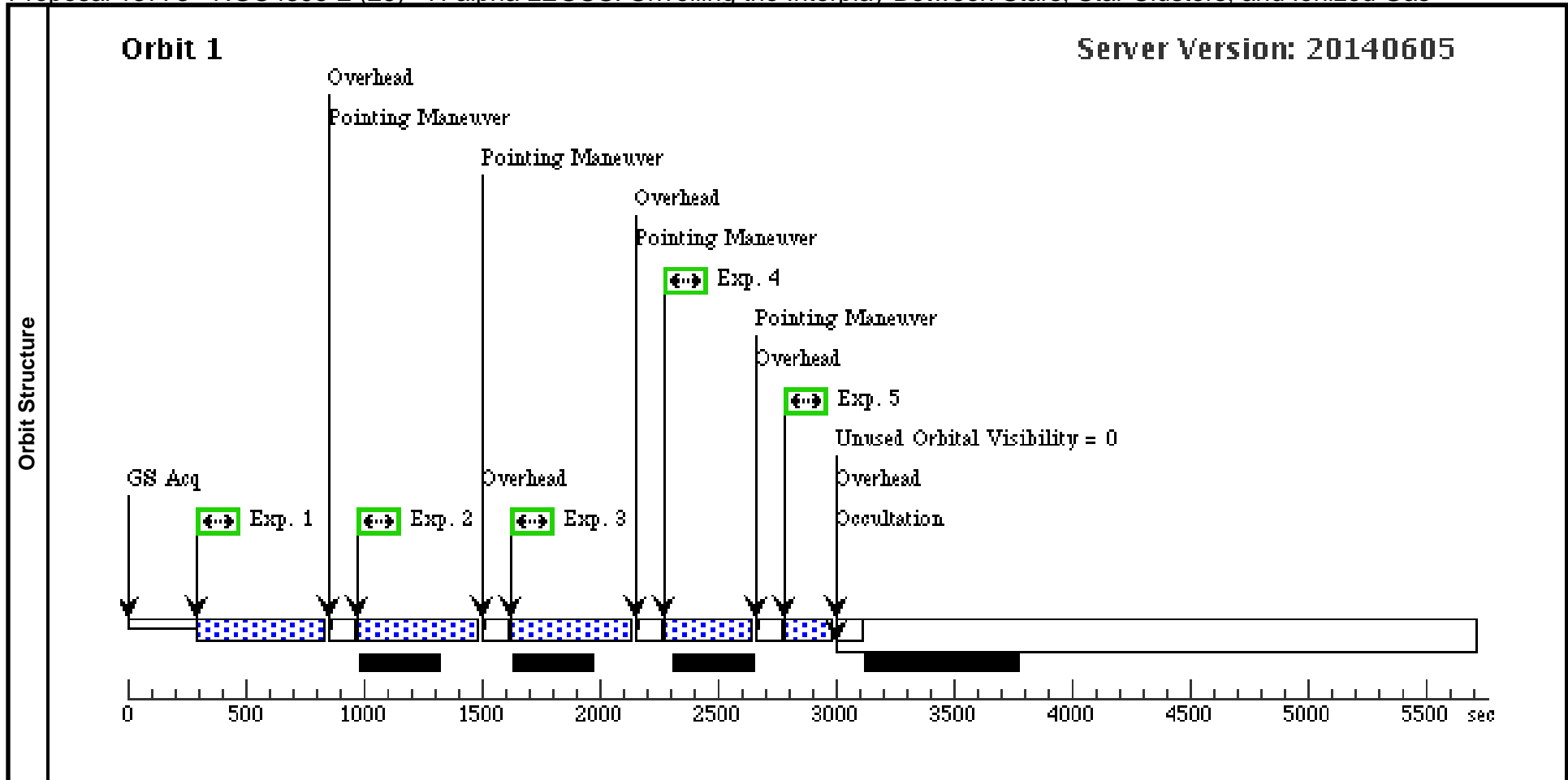
Visit	Proposal 13773, NGC4395-1 (25), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 170.5D TO 171.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(25)	NGC4395-1	RA: 12 25 56.6000 (186.4858333d) Dec: +33 31 10.10 (33.51947d) Equinox: J2000		V=10.64	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(25) NGC4395-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(25) NGC4395-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(25) NGC4395-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(25) NGC4395-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		350 Secs (350 Secs) [==>]	[1]
	5	V-2	(25) NGC4395-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC4395-2 (26) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

Visit	Proposal 13773, NGC4395-2 (26), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 170.5D TO 171.5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(26)	NGC4395-2	RA: 12 25 47.7200 (186.4488333d) Dec: +33 33 57.00 (33.56583d) Equinox: J2000		V=10.64	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(26) NGC4395-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	GS ACQ SCENARI O BASE1B3		515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(26) NGC4395-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(26) NGC4395-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(26) NGC4395-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		350 Secs (350 Secs) [==>]	[1]
	5	V-2	(26) NGC4395-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



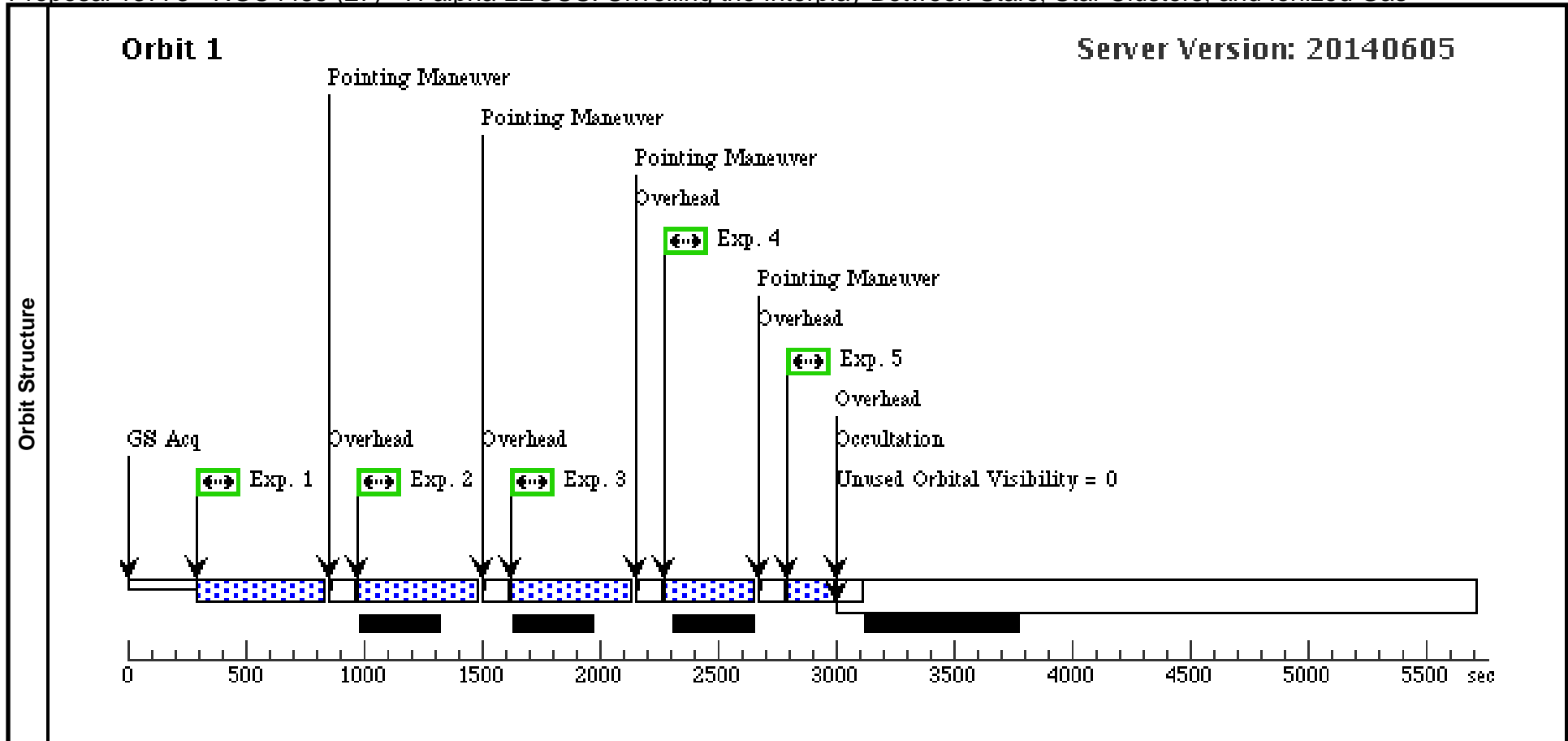
Proposal 13773 - NGC4485 (27) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:57 GMT 2014

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(27)	NGC4485	RA: 12 30 31.9200 (187.6330000d) Dec: +41 41 33.80 (41.69272d) Equinox: J2000		V=12.32	Reference Frame: ICRS

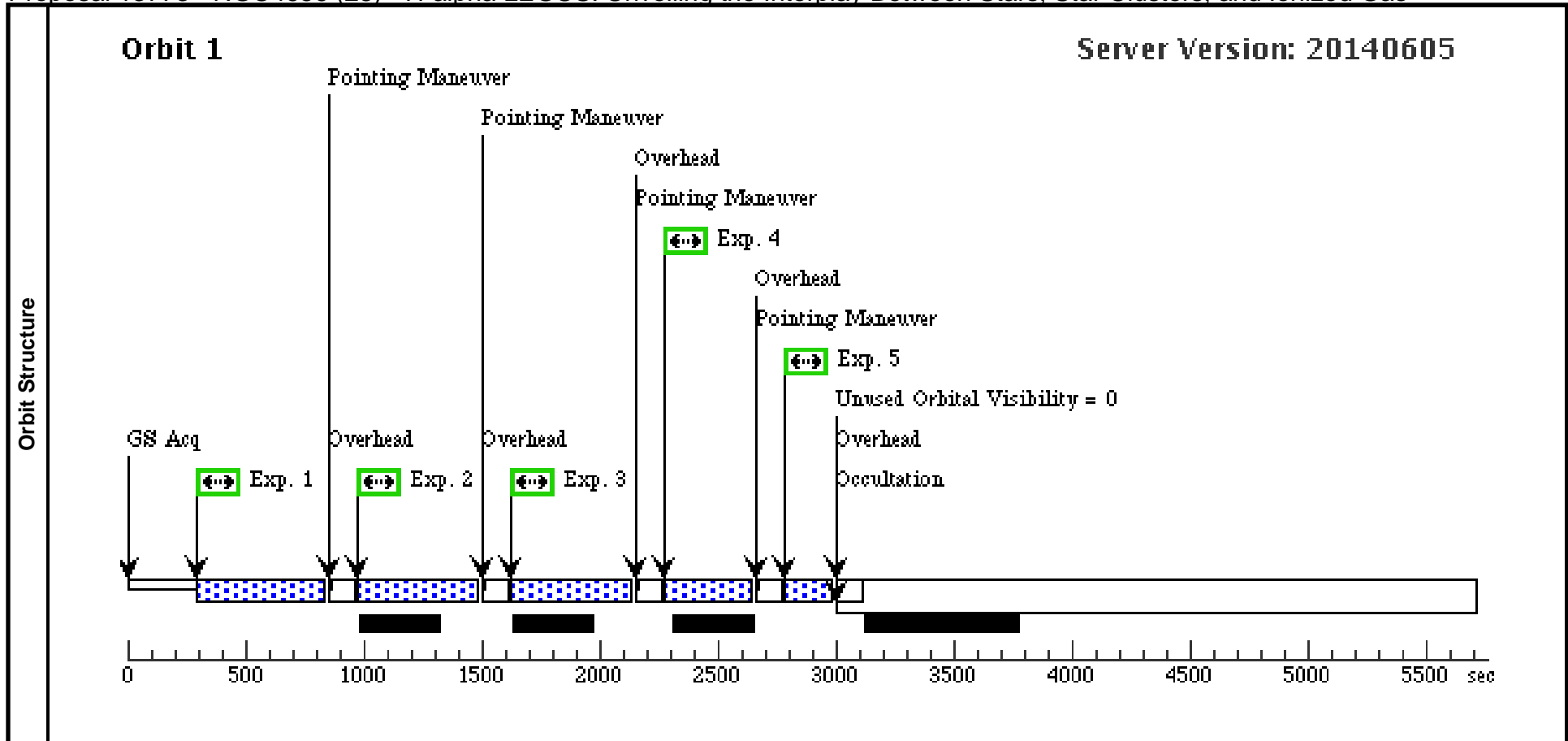
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(27) NGC4485	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(27) NGC4485	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(27) NGC4485	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(27) NGC4485	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(27) NGC4485	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC4656 (28) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:59 GMT 2014

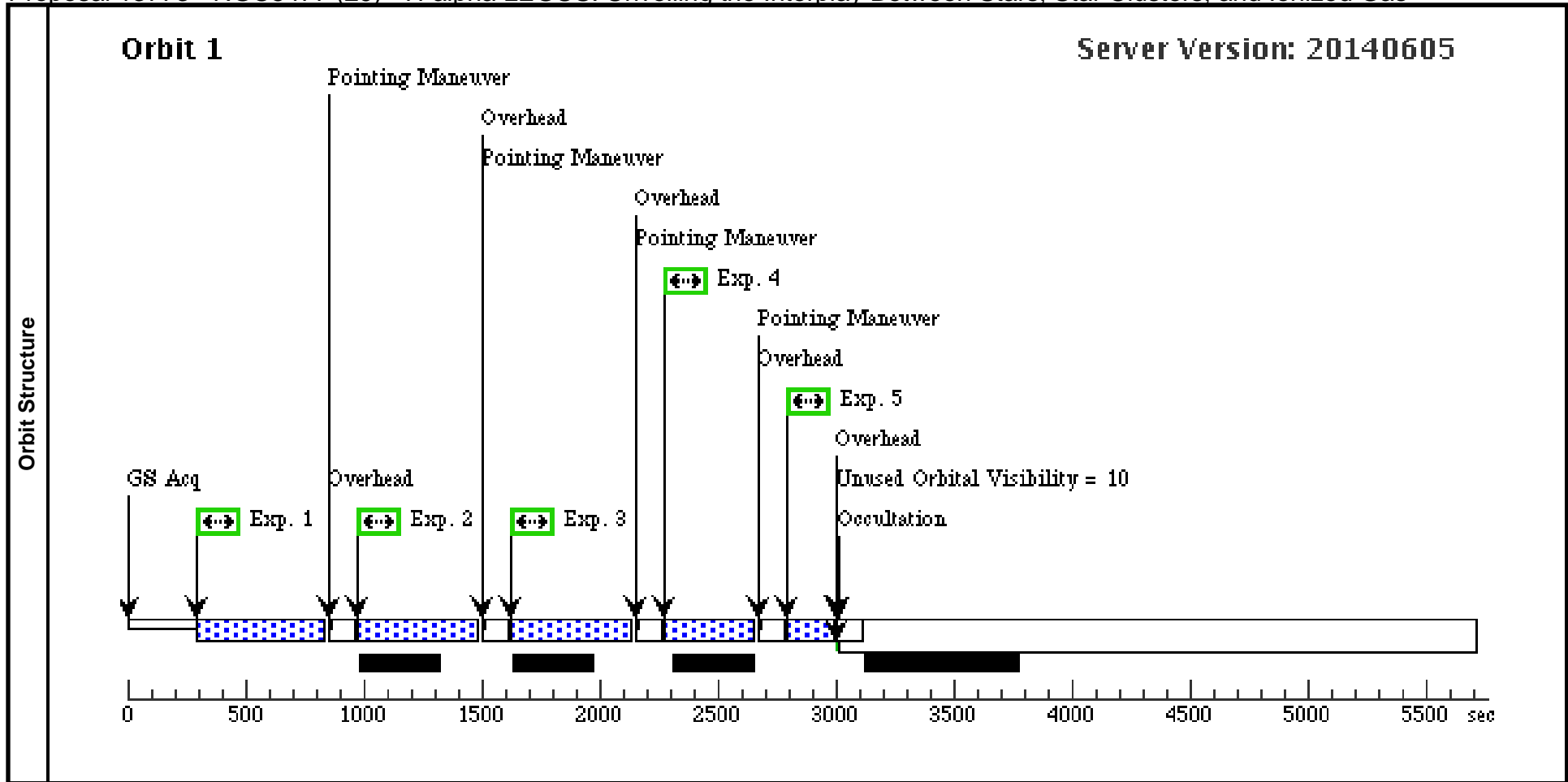
Visit	Proposal 13773, NGC4656 (28), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 318.3D TO 320.3 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(28)	NGC4656	RA: 12 43 59.3500 (190.9972917d) Dec: +32 10 34.60 (32.17628d) Equinox: J2000		V=10.55	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(28) NGC4656	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(28) NGC4656	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(28) NGC4656	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(28) NGC4656	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		350 Secs (350 Secs) [==>]	[1]
	5	V-2	(28) NGC4656	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC5477 (29) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:59 GMT 2014

Visit	Proposal 13773, NGC5477 (29), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 49D TO 51 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(29)	NGC5477	RA: 14 05 33.3000 (211.3887500d) Dec: +54 27 39.00 (54.46083d) Equinox: J2000		V=14.36	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(29) NGC5477	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(29) NGC5477	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(29) NGC5477	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(29) NGC5477	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(29) NGC5477	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



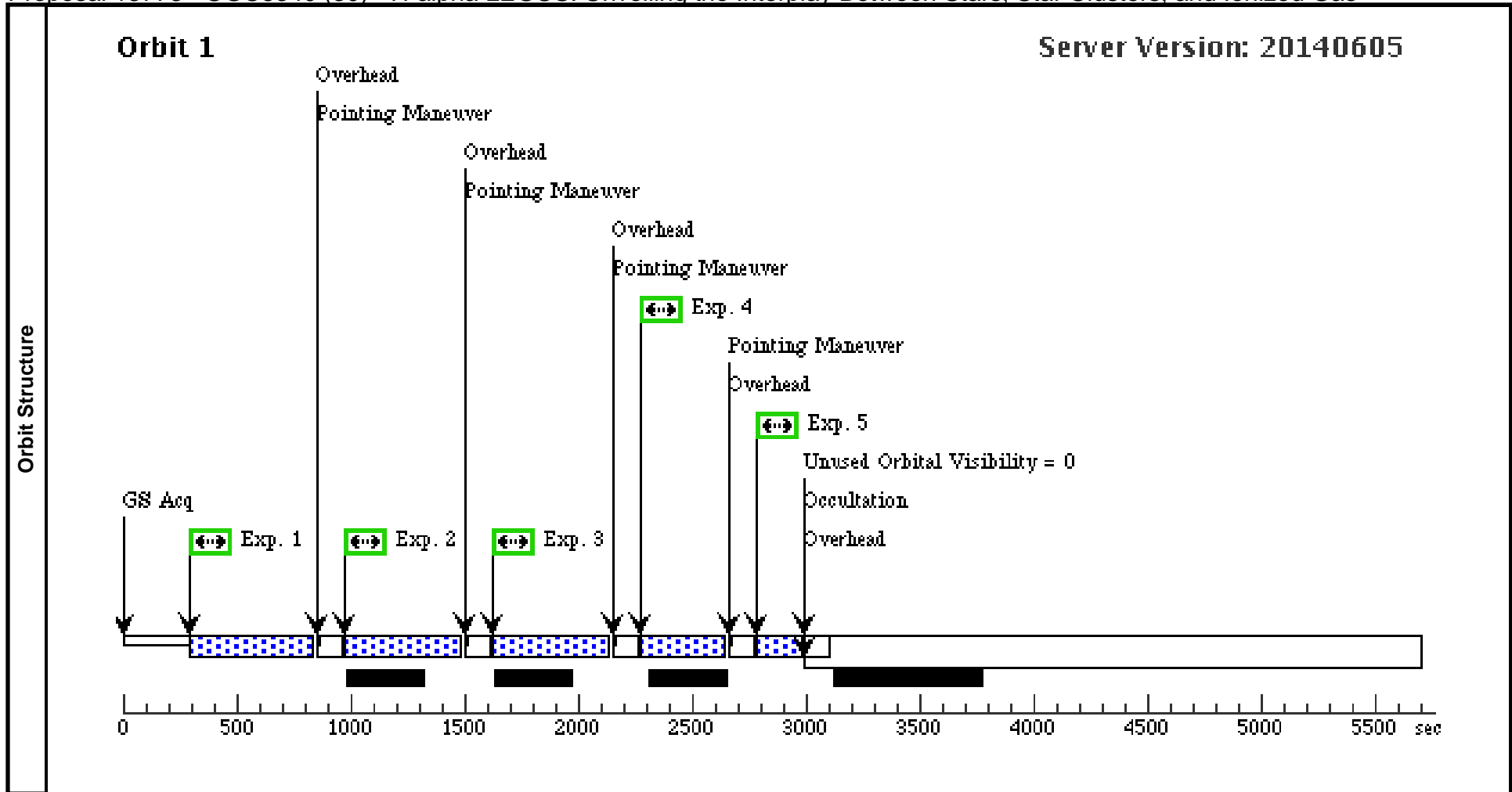
Proposal 13773 - UGC5340 (30) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:59 GMT 2014

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(30)	UGC5340	RA: 09 56 46.5800 (149.1940833d) Dec: +28 49 26.80 (28.82411d) Equinox: J2000			V=14.70

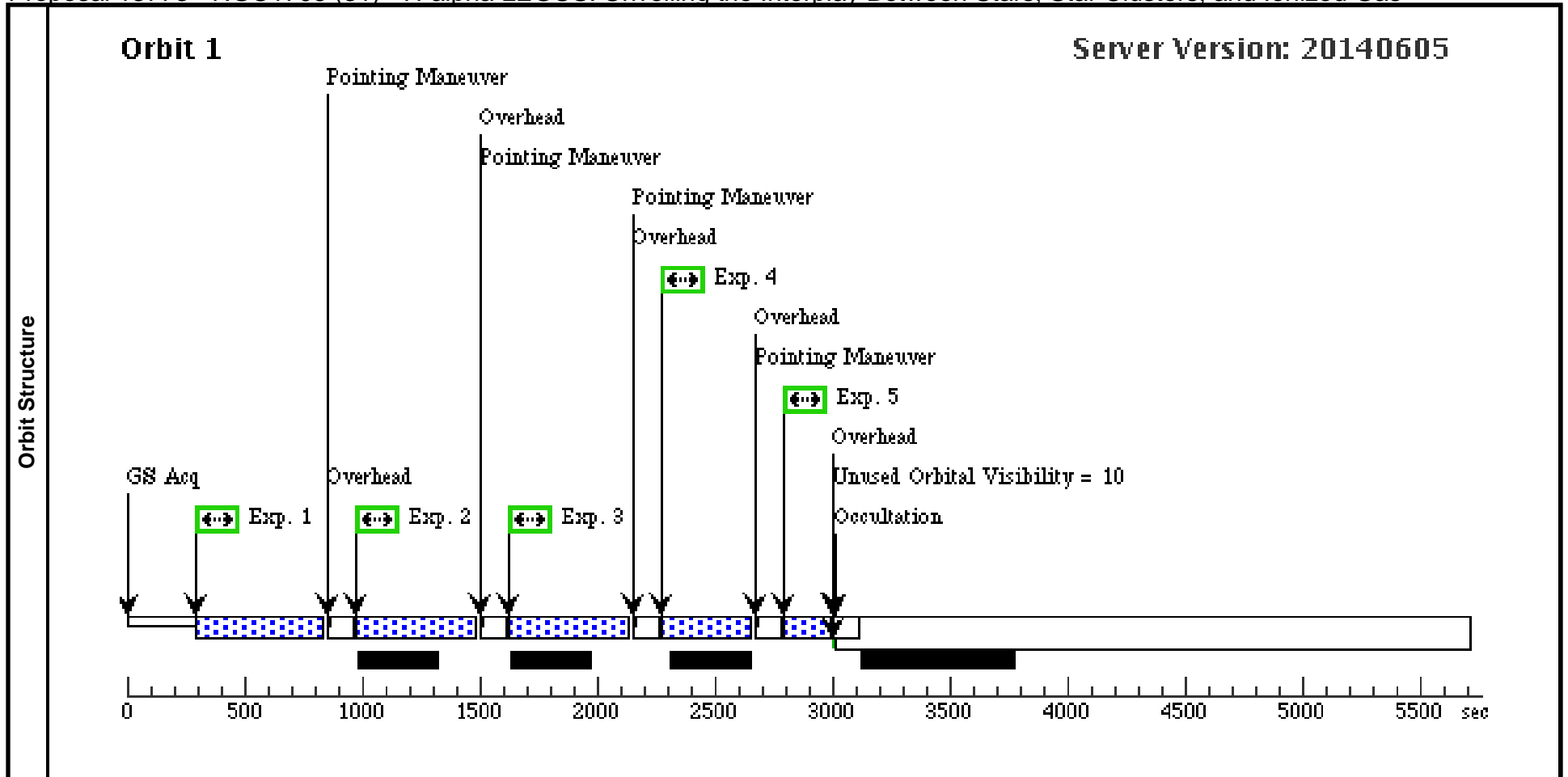
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(30) UGC5340	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(30) UGC5340	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(30) UGC5340	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(30) UGC5340	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=7.0	POS TARG 0.0,-1.52		349 Secs (349 Secs) [==>]	[1]
	5	V-2	(30) UGC5340	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - NGC1705 (31) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:59 GMT 2014

Visit	Proposal 13773, NGC1705 (31), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 264D TO 266 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(31)	NGC1705	RA: 04 54 13.7000 (73.5570833d) Dec: -53 21 40.90 (-53.36136d) Equinox: J2000		V=12.77	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(31) NGC1705	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0			515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(31) NGC1705	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 1.12,-1.52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(31) NGC1705	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 2.24,1.52		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(31) NGC1705	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=7.0	POS TARG 0.0,-1.52		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(31) NGC1705	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=9.0	POS TARG 2.24,1.52		200 Secs (200 Secs) [==>]	[1]



Proposal 13773 - UGCA281 (32) - H-alpha LEGUS: Unveiling the Interplay Between Stars, Star Clusters, and Ionized Gas

Sat Oct 04 01:08:59 GMT 2014

Visit	Proposal 13773, UGCA281 (32), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 239D TO 241 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(32)	UGCA281	RA: 12 26 16.5560 (186.5689833d) Dec: +48 29 44.05 (48.49557d) Equinox: J2000		V=15.15	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Ha-1	(32) UGCA281	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	GS ACQ SCENARI O ONEB1B3		515 Secs (515 Secs) [==>]	[1]
	2	Ha-2	(32) UGCA281	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 1.12,-1. 52		515 Secs (515 Secs) [==>]	[1]
	3	Ha-3	(32) UGCA281	WFC3/UVIS, ACCUM, UVIS2	F657N	FLASH=12.0	POS TARG 2.24,1.5 2		515 Secs (515 Secs) [==>]	[1]
	4	V-1	(32) UGCA281	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=7.0	POS TARG 0.0,-1.5 2		354 Secs (354 Secs) [==>]	[1]
	5	V-2	(32) UGCA281	WFC3/UVIS, ACCUM, UVIS2	F547M	FLASH=9.0	POS TARG 2.24,1.5 2		200 Secs (200 Secs) [==>]	[1]

