



14393 - Astrometric Verification of Broad, Medium, Narrow and Quad

WFC3/UVIS filters

Cycle: 23, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Vera Kozhurina-Platais (PI) (Contact)	Space Telescope Science Institute	verap@stsci.edu
Dr. Elena Sabbi (CoI)	Space Telescope Science Institute	sabbi@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	(9) OMEGACEN	WFC3/UVIS	3	17-Oct-2015 21:09:41.0	yes
02	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:09:45.0	yes
03	(9) OMEGACEN	WFC3/UVIS	2	17-Oct-2015 21:09:46.0	yes
04	(9) OMEGACEN	WFC3/UVIS	3	17-Oct-2015 21:09:50.0	yes
05	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:09:52.0	yes
06	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:09:53.0	yes
07	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:09:56.0	yes
08	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:09:57.0	yes
09	(9) OMEGACEN	WFC3/UVIS	2	17-Oct-2015 21:09:59.0	yes
10	(9) OMEGACEN	WFC3/UVIS	3	17-Oct-2015 21:10:02.0	yes
11	(9) OMEGACEN	WFC3/UVIS	2	17-Oct-2015 21:10:04.0	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>
12	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:10:06.0	yes
13	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:10:07.0	yes
14	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:10:08.0	yes
15	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:10:09.0	yes
16	(9) OMEGACEN	WFC3/UVIS	4	17-Oct-2015 21:10:14.0	yes
17	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:10:16.0	yes
18	(9) OMEGACEN	WFC3/UVIS	1	17-Oct-2015 21:10:17.0	yes

30 Total Orbits Used

ABSTRACT

The observations of the standard astrometric catalog in the field of globular cluster Omega Cen will be used to calibrate the filter-dependent component of distortion for Broad, Medium, Narrow and Quad WFC3/UVIS filters. In the previous cycles, the observations of Omega Cen through Broad and Medium WFC3/UVIS filters (total of 14 UVIS filters) have shown that on the top of the WFC3/UVIS geometric distortion and the lithographic mask pattern there are tiny low-scale distortions coming from irregularities in the optical properties virtually in all 14 UVIS calibrated filters. Such distortion smaller than 0.1 pixel (equivalent to 4 milli-arc-seconds on the sky), over small extent of 50-100 consecutive pixels is acting as high-order polynomial, but is large enough to be noticed while mosaicing images from sets of exposures with a range of dithers and the telescope roll angles. To maximize the scientific output of WFC3/UVIS, these distortions should be calibrated and be corrected for. The corrections for such low-scale distortions was formalized by constructing two-dimensional look-up tables fully covering each of the two WFC3/UVIS chips, as it described in WFC3-ISR-2014-12 by Kozhurina-Platais. Thus, we proposed to continue the observations of Omega Cen through all not yet calibrated UVIS filters. These observations will be used to calibrate the geometric distortion and its non-polynomial filter-dependent distortion. In addition to non-calibrated filters, the observations through the F606W filters, adopted as reference filter, will be used to monitoring the optical and mechanical stability of the WFC3/UVIS through multi-cycle observations.

OBSERVING DESCRIPTION

The observations of globular cluster Omega Cen through not yet calibrated UVIS filters will be observed with +/-40 dither pattern (total of 5 or 9 exposures per filter) following by single exposure in F606W. The large dither pattern is desired to ensure the full coverage of non-polynomial filter-dependent component of distortion, which have a ~50-100 consecutive pixels spatial variation over entire UVIS chips. In addition to these filters,

Proposal 14393 (STScI Edit Number: 1, Created: Saturday, October 17, 2015 8:10:18 PM EST) - Overview

there are one exposure through F606W in the each visits. To maintain accurate pointing control, 2-guide star acquisitions are used. If suitable guide stars can be found, the same pair of guide stars are used for all exposures.

In Visits 17 and 18, Omega Cen will be observed through UVIS Quad filters with UVIS-QUAD aperture (standard combination of 4 Quad filters) and with +/-8 dither pattern: one orbit per standard combinations of Quad filters. One orbit consists of 7 exposures: always F606W filter + 5 exposures through chosen combination of UVIS Quad filter with +/-8 dither pattern + always F606W exposure. To maintain accurate pointing control, 2-guide star acquisitions are used for each Visit. If suitable guide stars can be found, the same pair of guide stars would be useful for all Visits.

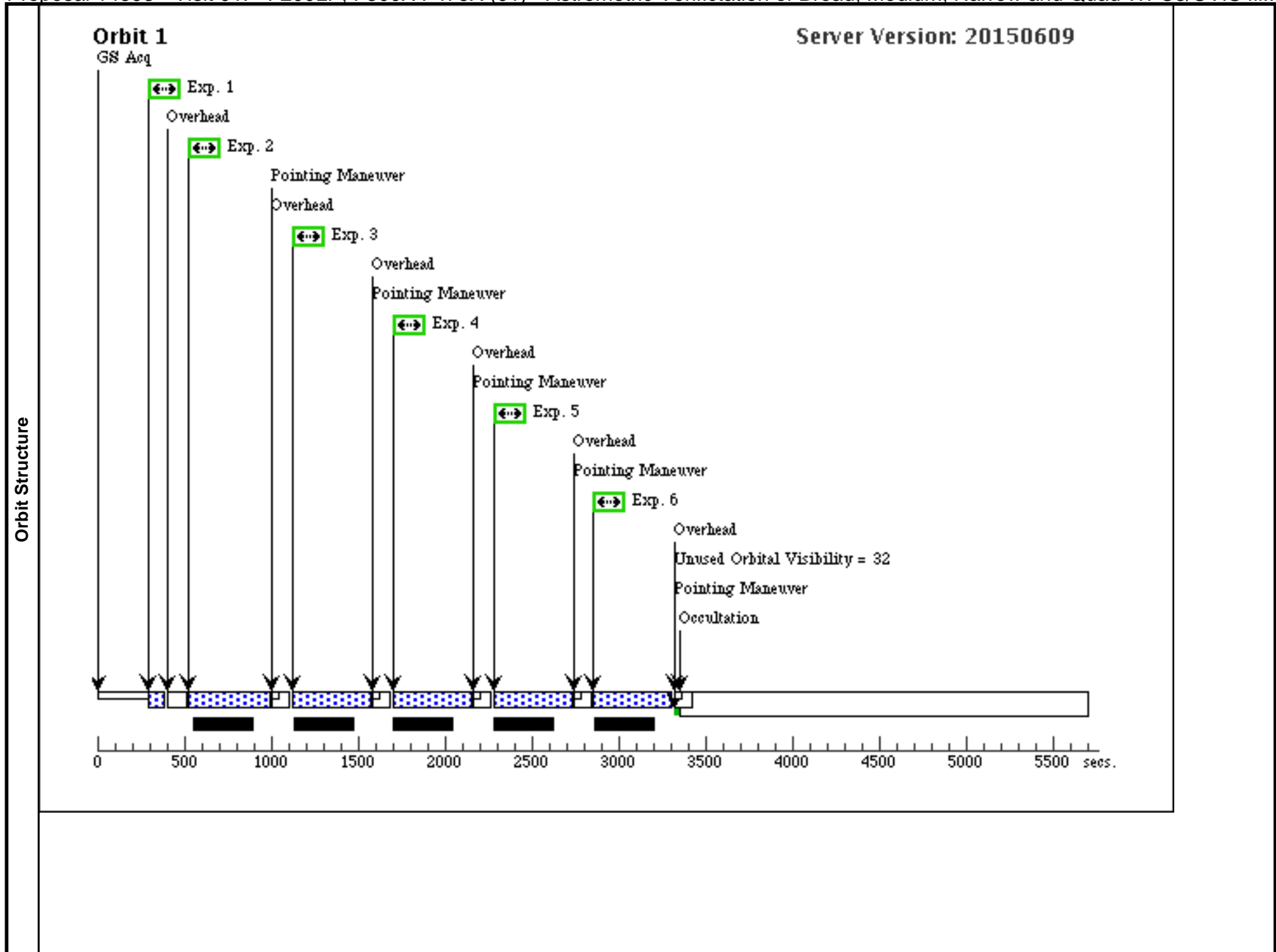
Observations of Omega Cen through F606W filter with different pointing and HST roll-angle which will be changed over all period of Cycle 23, will be used to keeping the continuous multi-cycle optical and mechanical stability of the WFC3/UVIS.

Proposal 14393 - Visit 01: - F200LP, F300X F475X (01) - Astrometric Verifictation of Broad, Medium, Narrow and Quad WFC3/UVIS fil...

Visit	Proposal 14393, Visit 01: - F200LP, F300X F475X (01), implementation Sun Oct 18 01:10:19 GMT 2015					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; BETWEEN 01-DEC-2015:00:00:00 AND 01-DEC-2016:00:00:00					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000		V=16.8	Reference Frame: ICRS
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

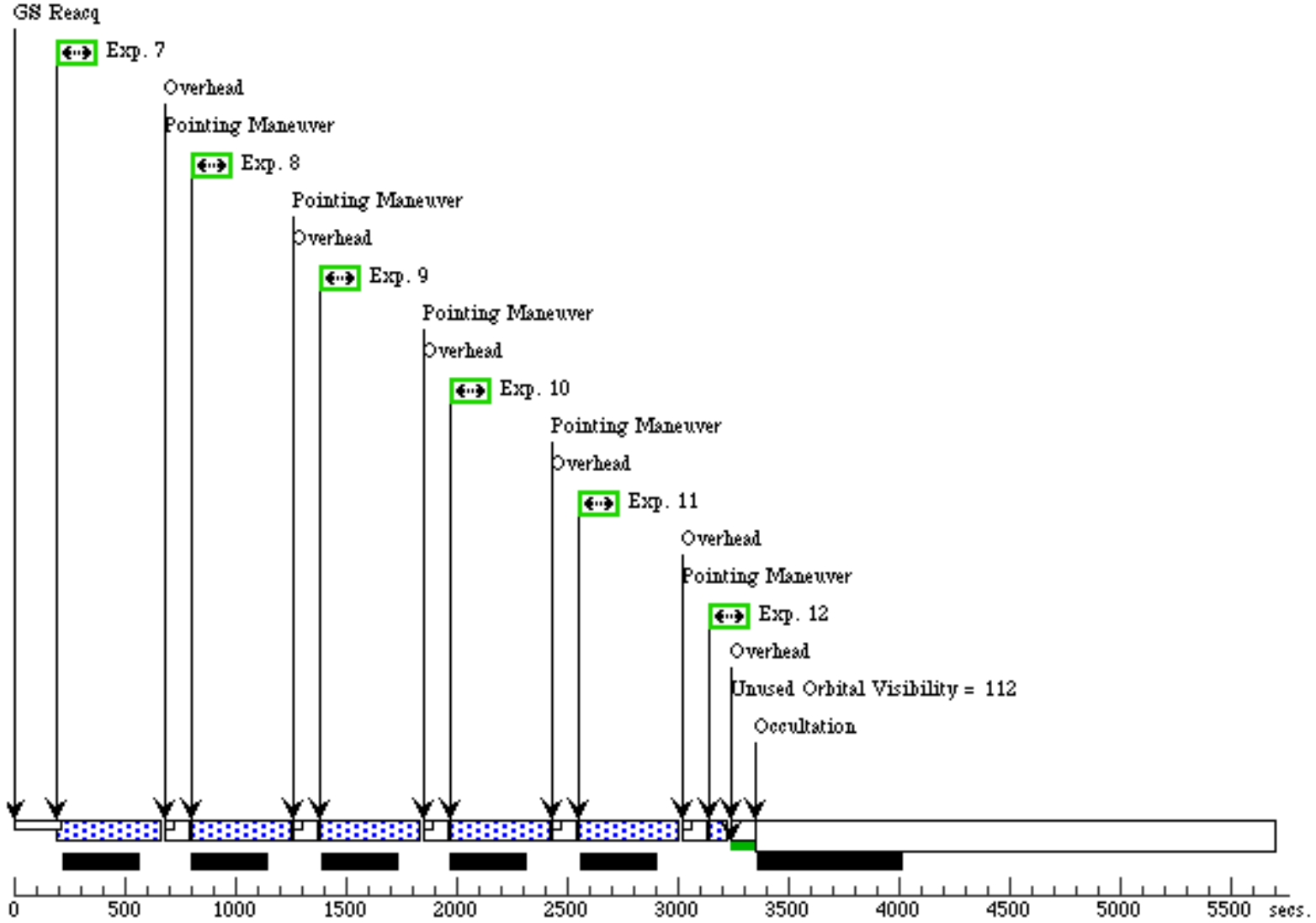
Proposal 14393 - Visit 01: - F200LP, F300X F475X (01) - Astrometric Verifictation of Broad, Medium, Narrow and Quad WFC3/UVIS fil...

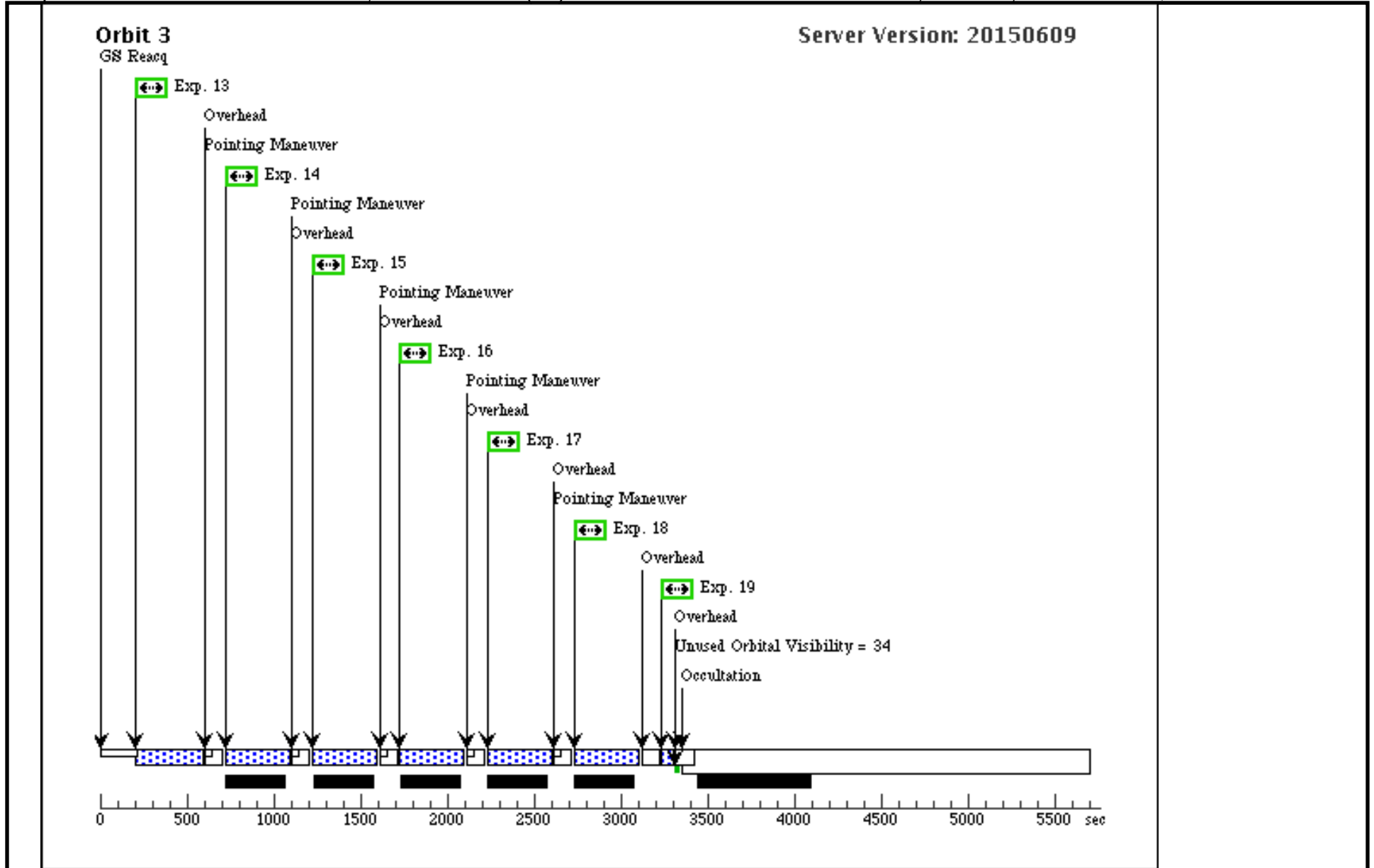
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F606W - 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0		60 Secs (60 Secs)	
									[==>]	[1]
	2	F200LP 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F200LP			POS TARG 0,0	450 Secs (450 Secs)	
									[==>]	[1]
	3	F200LP +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F200LP			POS TARG +40,+40	450 Secs (450 Secs)	
									[==>]	[1]
	4	F200LP -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F200LP			POS TARG -40,+40	450 Secs (450 Secs)	
									[==>]	[1]
	5	F200LP -4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F200LP			POS TARG -40,-40	450 Secs (450 Secs)	
									[==>]	[1]
	6	F200LP: + 40:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F200LP			POS TARG +40,-40	450 Secs (450 Secs)	
									[==>]	[1]
	7	F300X: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F300X	FLASH=12		POS TARG 0,0	450 Secs (450 Secs)	
									[==>]	[2]
	8	F300X: +40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F300X	FLASH=12		POS TARG +40,+40	450 Secs (450 Secs)	
									[==>]	[2]
	9	F300X: -4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F300X	FLASH=12		POS TARG -40,+40	450 Secs (450 Secs)	
									[==>]	[2]
	10	F300X: -40: -40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F300X	FLASH=12		POS TARG -40,-40	450 Secs (450 Secs)	
								[==>]	[2]	
11	F300X: +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F300X	FLASH=12		POS TARG +40,-40	450 Secs (450 Secs)		
								[==>]	[2]	
12	F606W - 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12		POS TARG 0,0; GS ACQ SCENARI O BASE1B3	60 Secs (60 Secs)		
								[==>]	[2]	
13	F600LP: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F600LP			POS TARG 0,0	375 Secs (375 Secs)		
								[==>]	[3]	
14	F600LP: + 40:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F600LP			POS TARG +40,+40	375 Secs (375 Secs)		
								[==>]	[3]	
15	F600LP: -4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F600LP			POS TARG -40,+40	375 Secs (375 Secs)		
								[==>]	[3]	
16	F600LP: -4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F600LP			POS TARG -40,-40	375 Secs (375 Secs)		
								[==>]	[3]	
17	F600LP: + 40:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F600LP			POS TARG 40,-40	375 Secs (375 Secs)		
								[==>]	[3]	
18	F600LP: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F600LP			POS TARG 0,0	375 Secs (375 Secs)		
								[==>]	[3]	
19	F606W - 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12		POS TARG 0,0	60 Secs (60 Secs)		
								[==>]	[3]	



Orbit 2

Server Version: 20150609



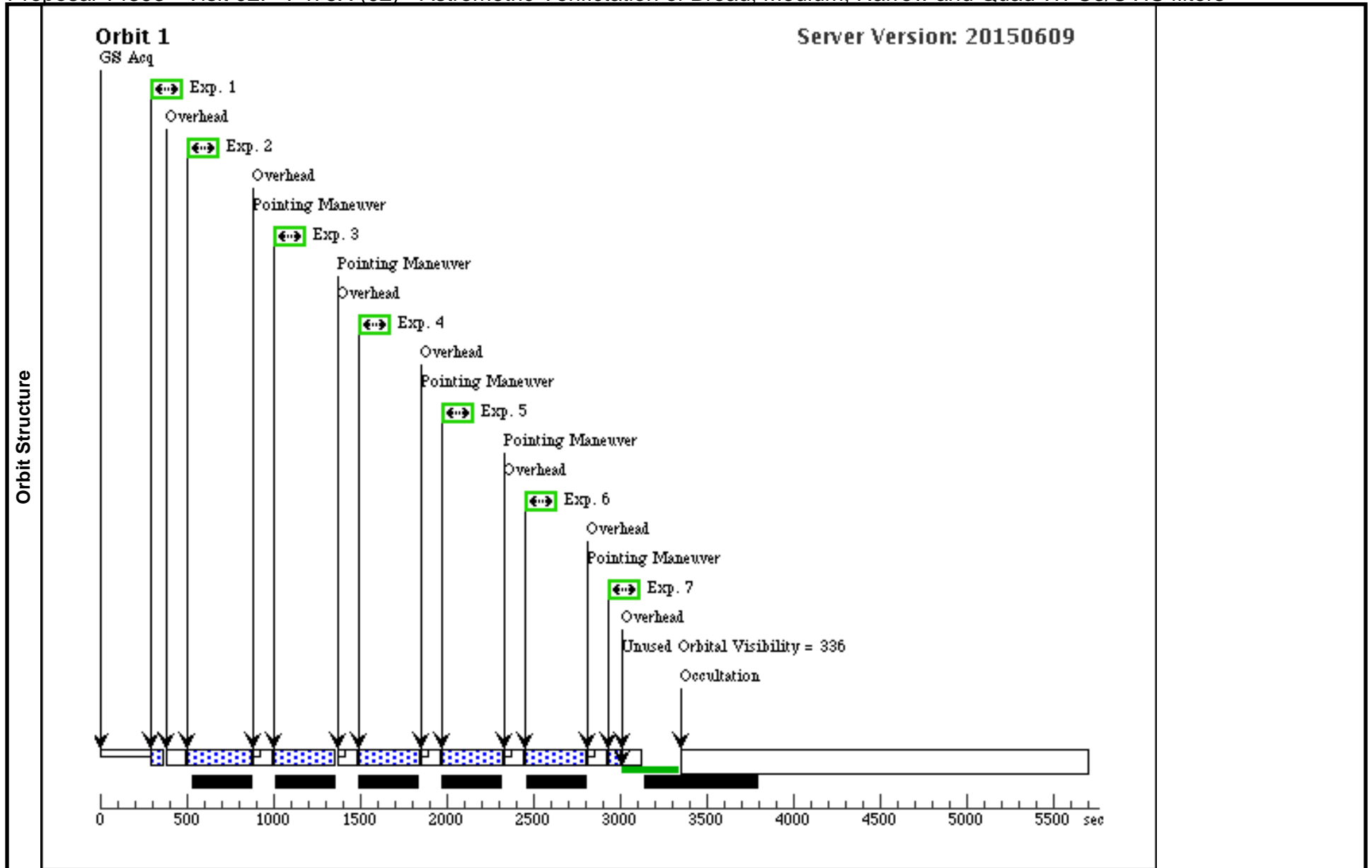


Proposal 14393 - Visit 02: - F475X (02) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:19 GMT 2015

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

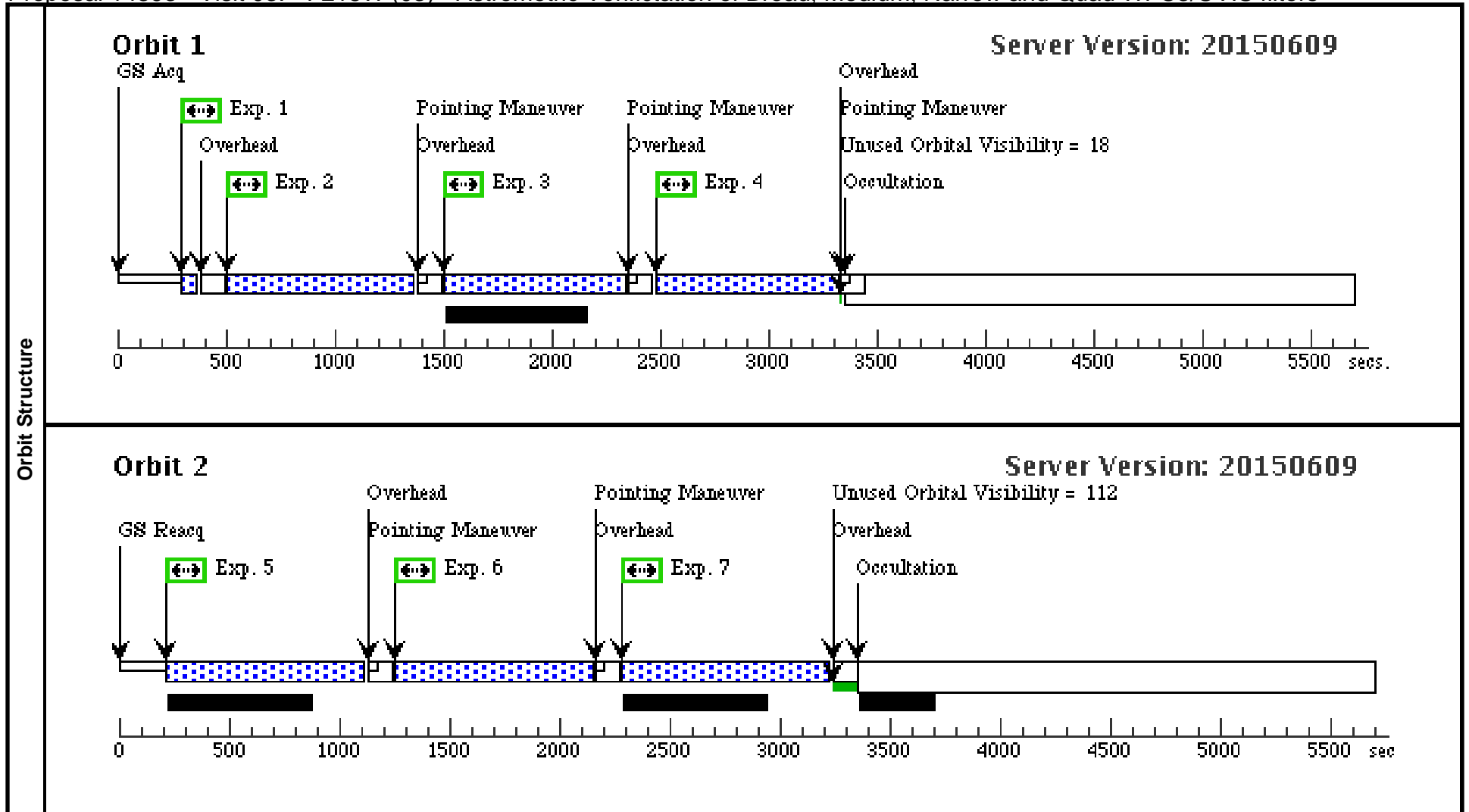
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F475X: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F475X	FLASH=3	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]
	3	F475X: +40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F475X	FLASH=3	POS TARG +40,+40		350 Secs (350 Secs) [==>]	[1]
	4	F475X: -40: +40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F475X	FLASH=3	POS TARG -40,+40		350 Secs (350 Secs) [==>]	[1]
	5	F475X: -40: -40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F475X	FLASH=3	POS TARG -40,-40		350 Secs (350 Secs) [==>]	[1]
	6	F475X: +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F475X	FLASH=3	POS TARG 40,-40		350 Secs (350 Secs) [==>]	[1]
	7	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0		40 Secs (40 Secs) [==>]	[1]



Proposal 14393 - Visit 03: - F218W (03) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:19 GMT 2015

Visit	Proposal 14393, Visit 03: - F218W (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2016:00:00:00 AND 01-MAY-2016:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000		V=16.8	Reference Frame: ICRS				
	<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F218W: 0: 0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F218W	FLASH=12	POS TARG 0,0		840 Secs (840 Secs) [==>]	[1]
	3	F218W: +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F218W	FLASH=12	POS TARG +40,+40		840 Secs (840 Secs) [==>]	[1]
	4	F218W: -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F218W	FLASH=12	POS TARG -40,+40		840 Secs (840 Secs) [==>]	[1]
	5	F218W: -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F218W	FLASH=12	POS TARG -40,-40		900 Secs (900 Secs) [==>]	[2]
	6	F218W: +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F218W	FLASH=12	POS TARG 40,-40		900 Secs (900 Secs) [==>]	[2]
	7	F218W: 0: 0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F218W	FLASH=12	POS TARG 0,0		940 Secs (940 Secs) [==>]	[2]

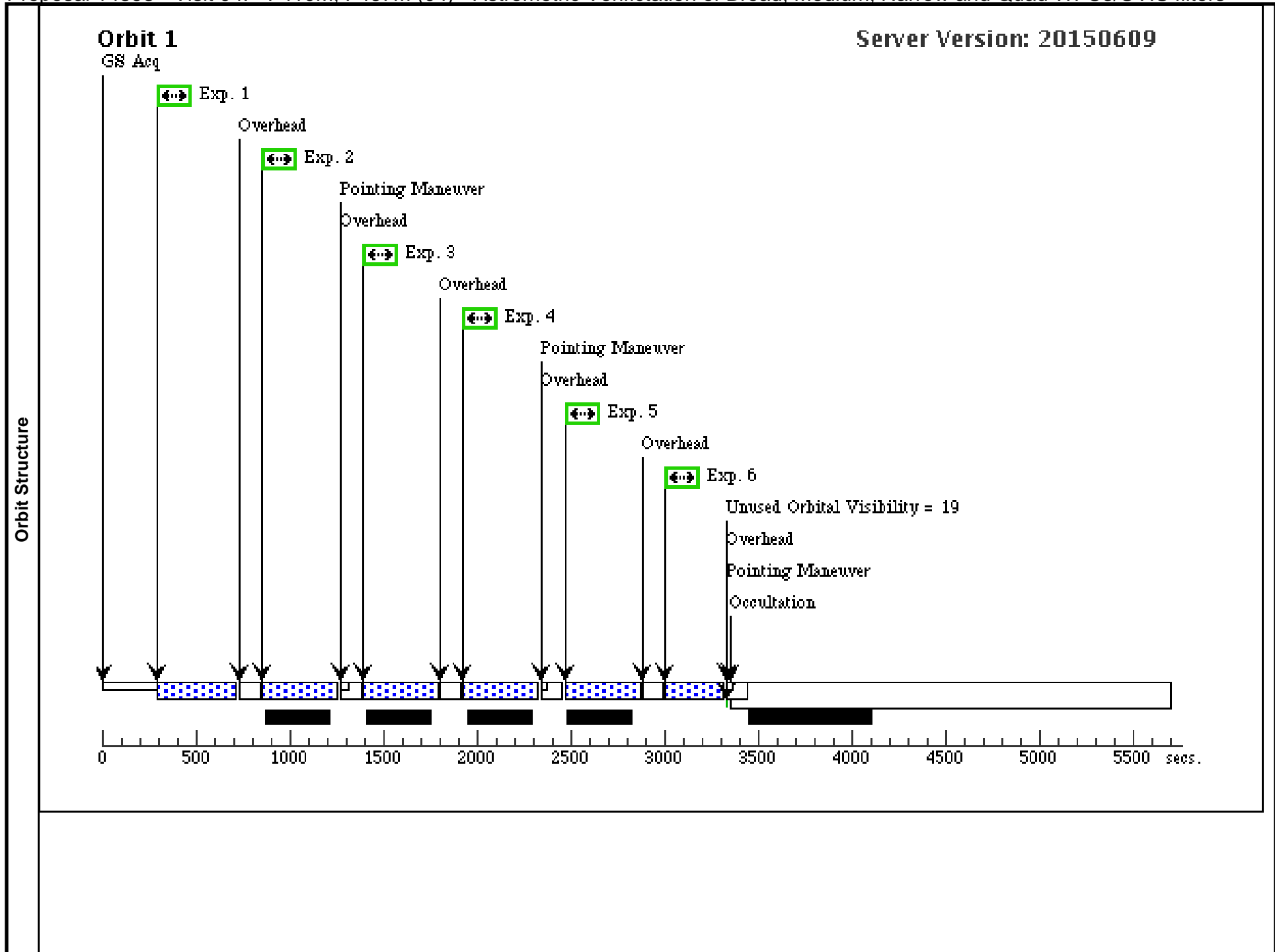


Proposal 14393 - Visit 04: - F410M, F467M (04) - Astrometric Verifictation of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Visit	Proposal 14393, Visit 04: - F410M, F467M (04), implementation Sun Oct 18 01:10:20 GMT 2015					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2016:00:00:00 AND 01-MAY-2016:00:00:00					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000		V=16.8	Reference Frame: ICRS
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

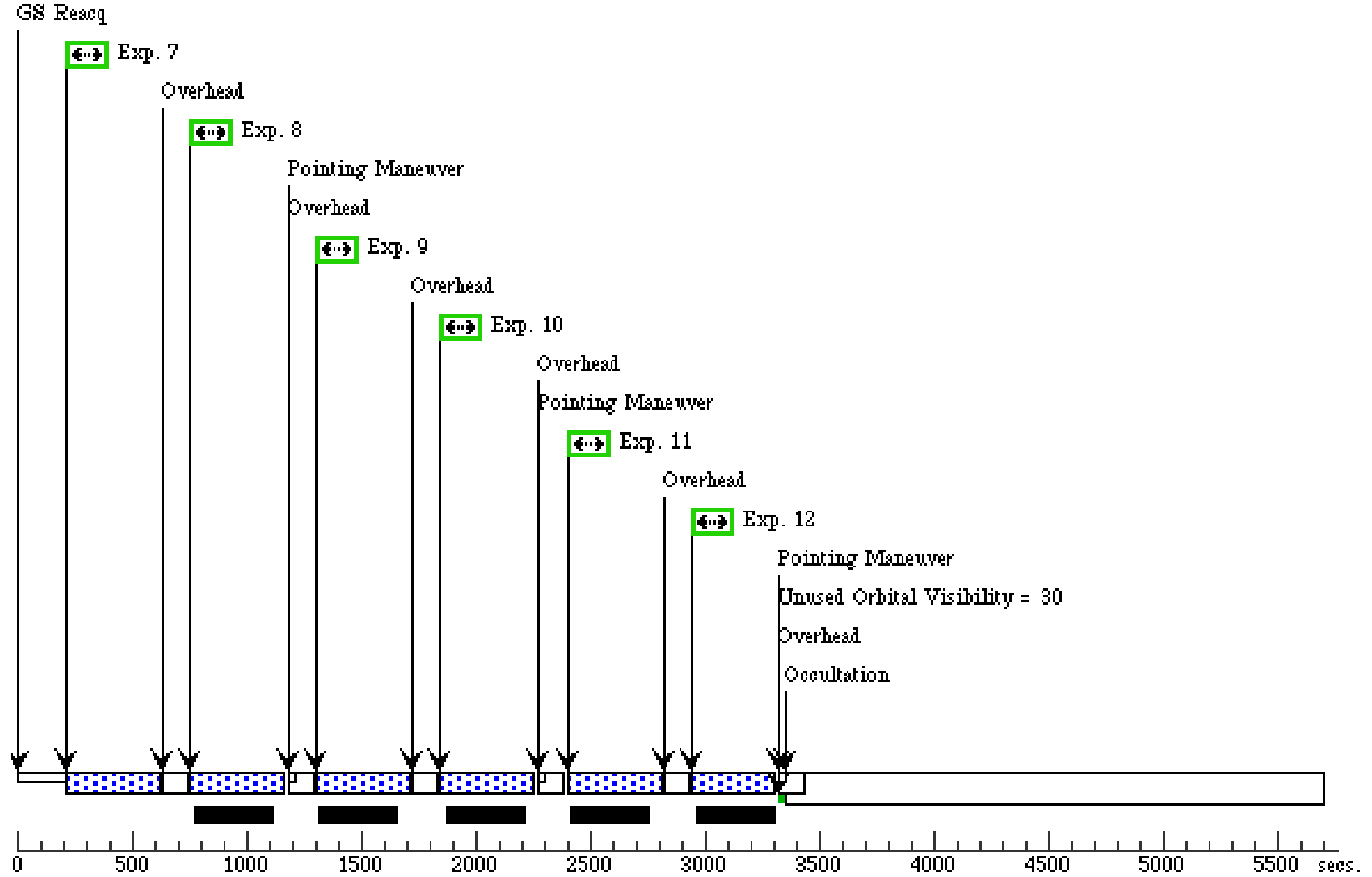
Proposal 14393 - Visit 04: - F410M, F467M (04) - Astrometric Verifictation of Broad, Medium, Narrow and Quad WFC3/UVIS filters

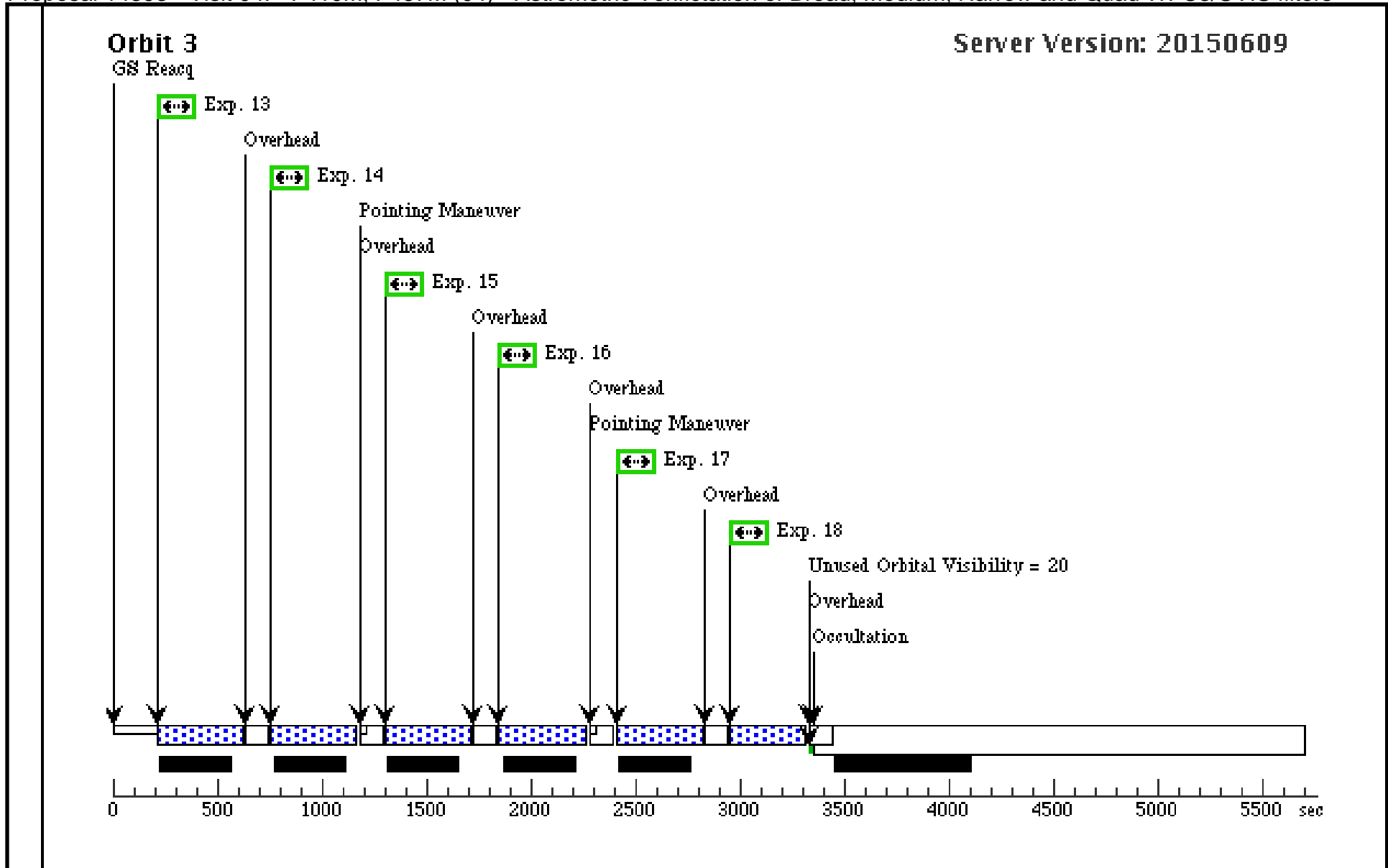
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F410M: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		390 Secs (390 Secs) [==>]	[1]
	2	F467M: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG 0,0		390 Secs (390 Secs) [==>]	[1]
	3	F410M: 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG +40,+40		390 Secs (390 Secs) [==>]	[1]
	4	F467M: 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG +40,+40		390 Secs (390 Secs) [==>]	[1]
	5	F410M: 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG 0,+40		390 Secs (390 Secs) [==>]	[1]
	6	F467M: 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG 0,+40		300 Secs (300 Secs) [==>]	[1]
	7	F410M: :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG -40,+40		400 Secs (400 Secs) [==>]	[2]
	8	F467M: :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG -40,+40		400 Secs (400 Secs) [==>]	[2]
	9	F410M: :-40:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG -40,0		400 Secs (400 Secs) [==>]	[2]
	10	F467M: :-40:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG -40,0		400 Secs (400 Secs) [==>]	[2]
	11	F410M: :-40:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG -40,-40		400 Secs (400 Secs) [==>]	[2]
	12	F467M: :-40:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG -40,-40		350 Secs (350 Secs) [==>]	[2]
	13	F410M: 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG 0,-40		400 Secs (400 Secs) [==>]	[3]
	14	F467M: 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG 0,-40		400 Secs (400 Secs) [==>]	[3]
	15	F410M: 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG 40,-40		400 Secs (400 Secs) [==>]	[3]
	16	F467M: 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG 40,-40		410 Secs (410 Secs) [==>]	[3]
	17	F410M: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=12	POS TARG 40,0		400 Secs (400 Secs) [==>]	[3]
18	F467M: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F467M	FLASH=12	POS TARG 40,0		350 Secs (350 Secs) [==>]	[3]	



Orbit 2

Server Version: 20150609



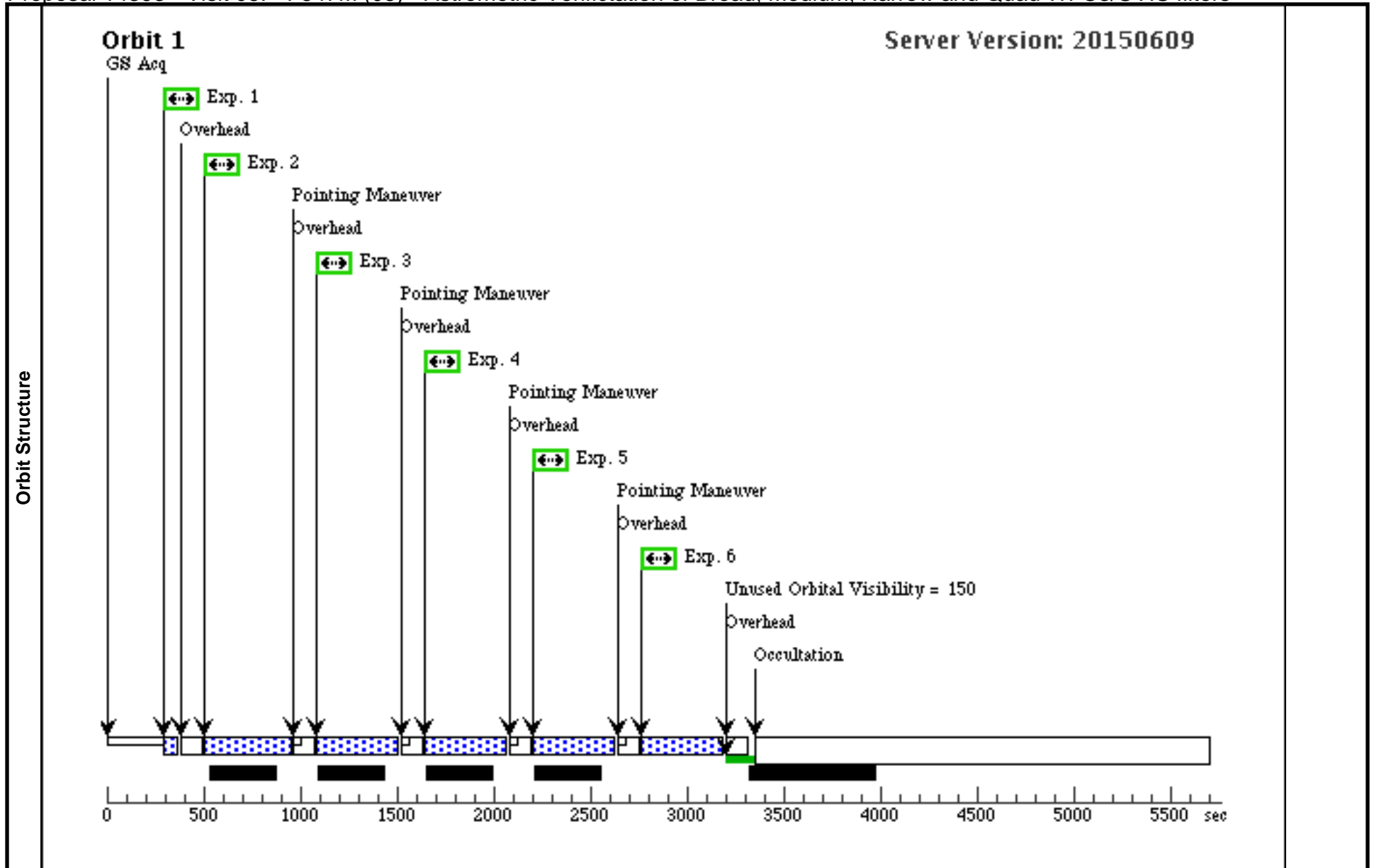


Proposal 14393 - Visit 05: - F547M (05) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:20 GMT 2015

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F547M: 0:	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F547M	FLASH=8	POS TARG 0,0		425 Secs (425 Secs) [==>]	[1]
	3	F547M: +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F547M	FLASH=8	POS TARG +40,+40		425 Secs (425 Secs) [==>]	[1]
	4	F547M: -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F547M	FLASH=8	POS TARG -40,+40		425 Secs (425 Secs) [==>]	[1]
	5	F547M: -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F547M	FLASH=8	POS TARG -40,-40		425 Secs (425 Secs) [==>]	[1]
	6	F547M: +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F547M	FLASH=8	POS TARG 40,-40		425 Secs (425 Secs) [==>]	[1]

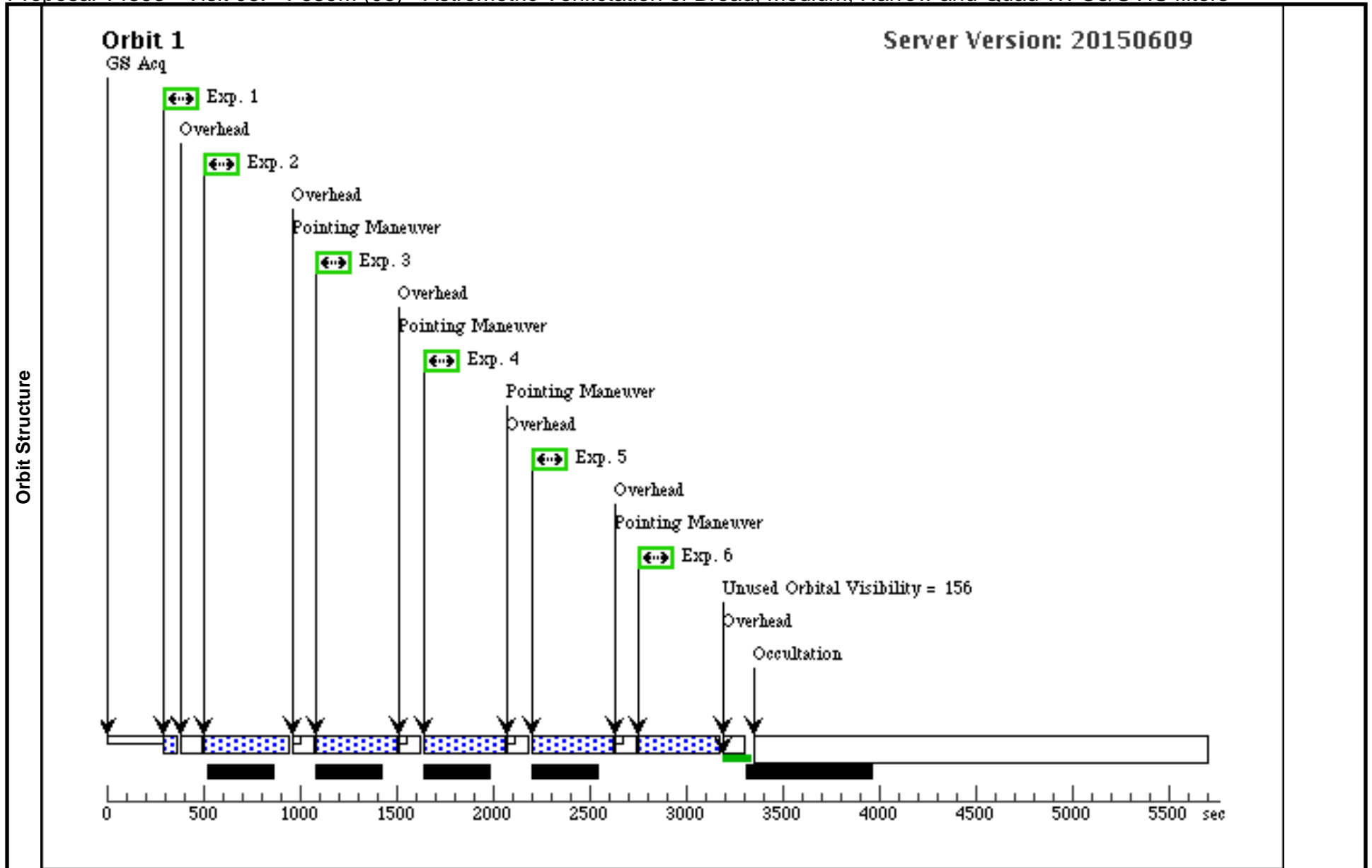


Proposal 14393 - Visit 06: - F689M (06) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:20 GMT 2015

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F689M: 0:	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F689M	FLASH=8	POS TARG 0,0		425 Secs (425 Secs) [==>]	[1]
	3	F689M: +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F689M	FLASH=8	POS TARG +40,+40		425 Secs (425 Secs) [==>]	[1]
	4	F689M: -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F689M	FLASH=8	POS TARG -40,+40		425 Secs (425 Secs) [==>]	[1]
	5	F689M: -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F689M	FLASH=8	POS TARG -40,-40		425 Secs (425 Secs) [==>]	[1]
	6	F689M: +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F689M	FLASH=8	POS TARG 40,-40		425 Secs (425 Secs) [==>]	[1]

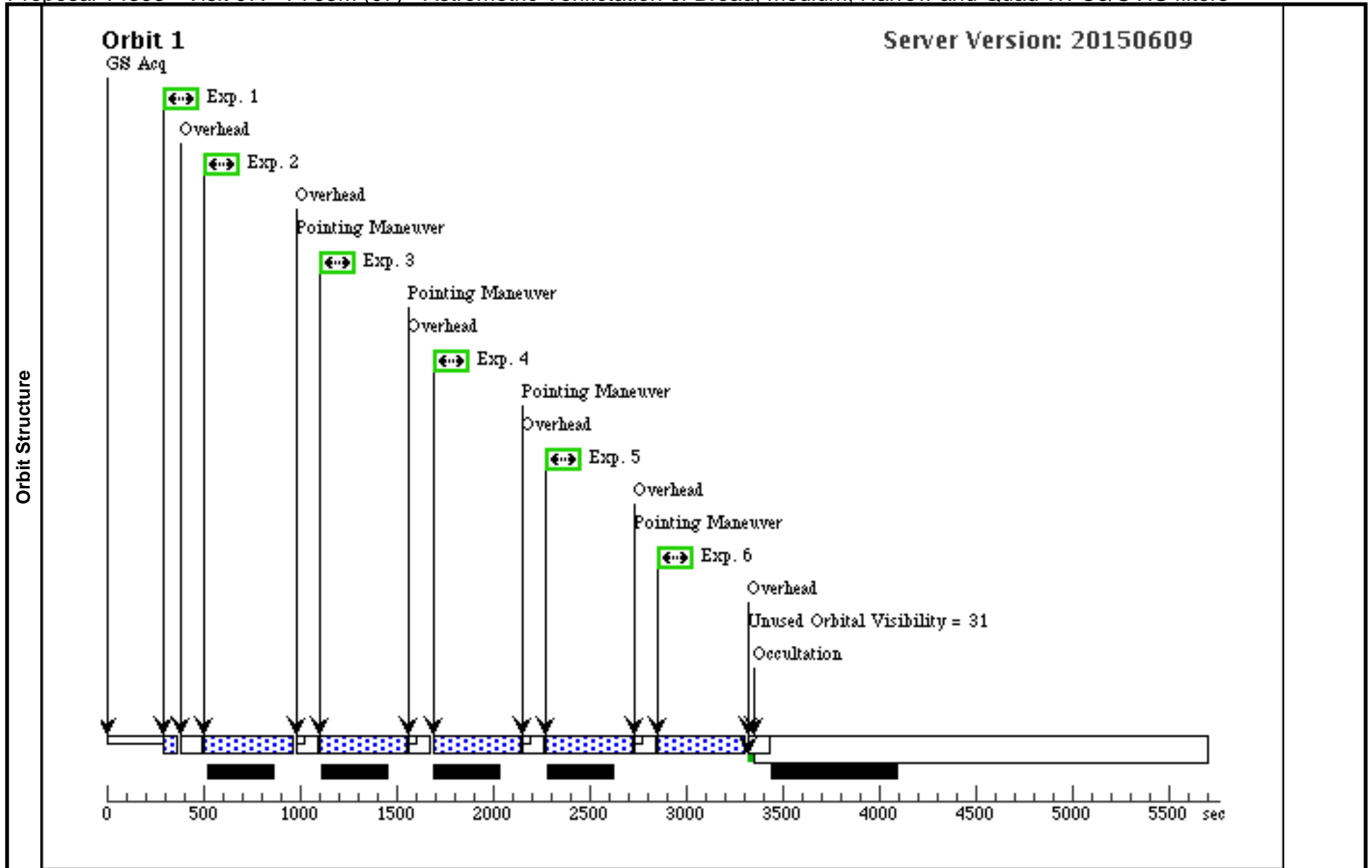


Proposal 14393 - Visit 07: - F763M (07) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:20 GMT 2015

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

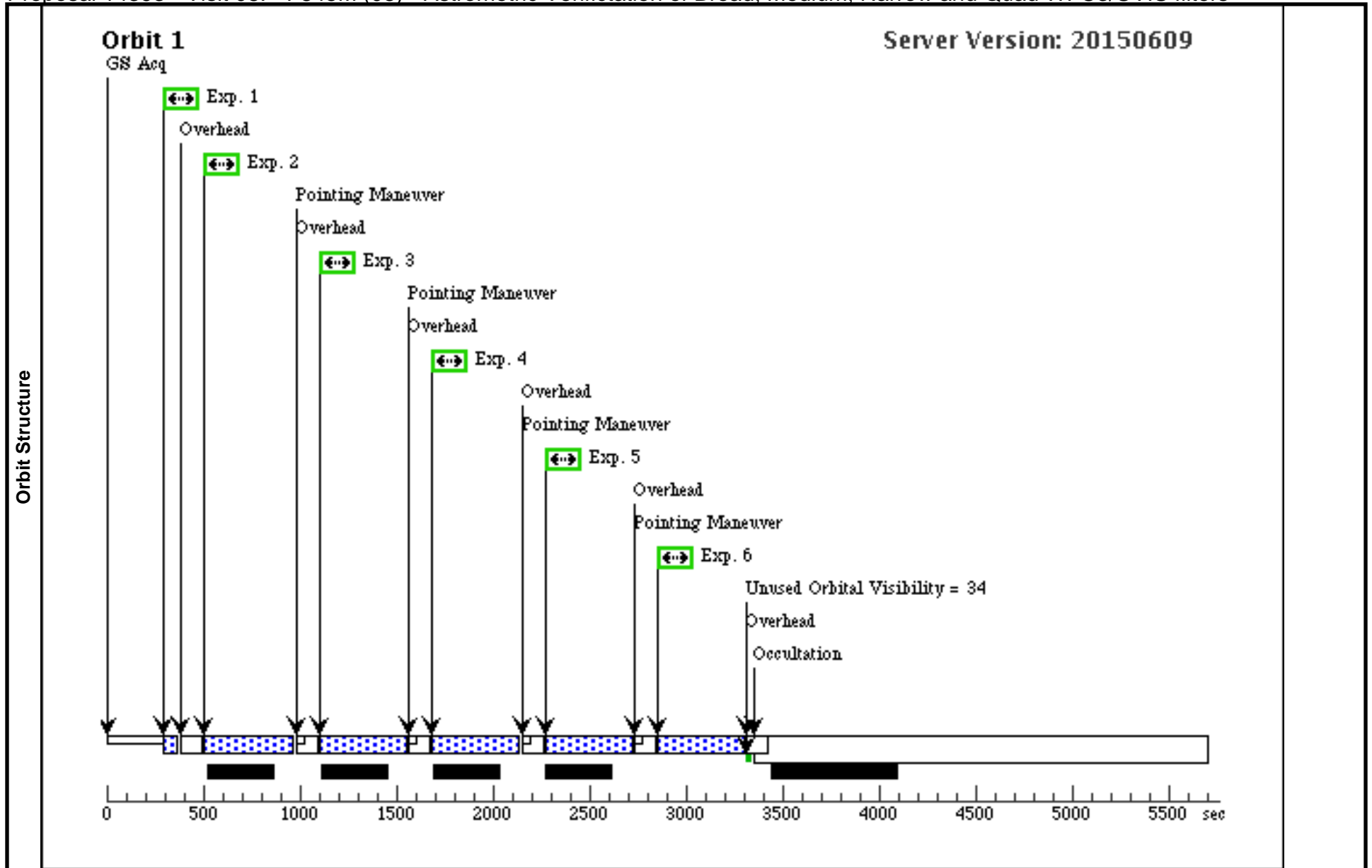
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F763M 0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F763M	FLASH=8	POS TARG 0,0		450 Secs (450 Secs) [==>]	[1]
	3	F763M: +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F763M	FLASH=8	POS TARG +40,+40		450 Secs (450 Secs) [==>]	[1]
	4	F763M: -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F763M	FLASH=8	POS TARG -40,+40		450 Secs (450 Secs) [==>]	[1]
	5	F763M: -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F763M	FLASH=8	POS TARG -40,-40		450 Secs (450 Secs) [==>]	[1]
	6	F763M: +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F763M	FLASH=8	POS TARG 40,-40		450 Secs (450 Secs) [==>]	[1]



Proposal 14393 - Visit 08: - F845M (08) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:20 GMT 2015

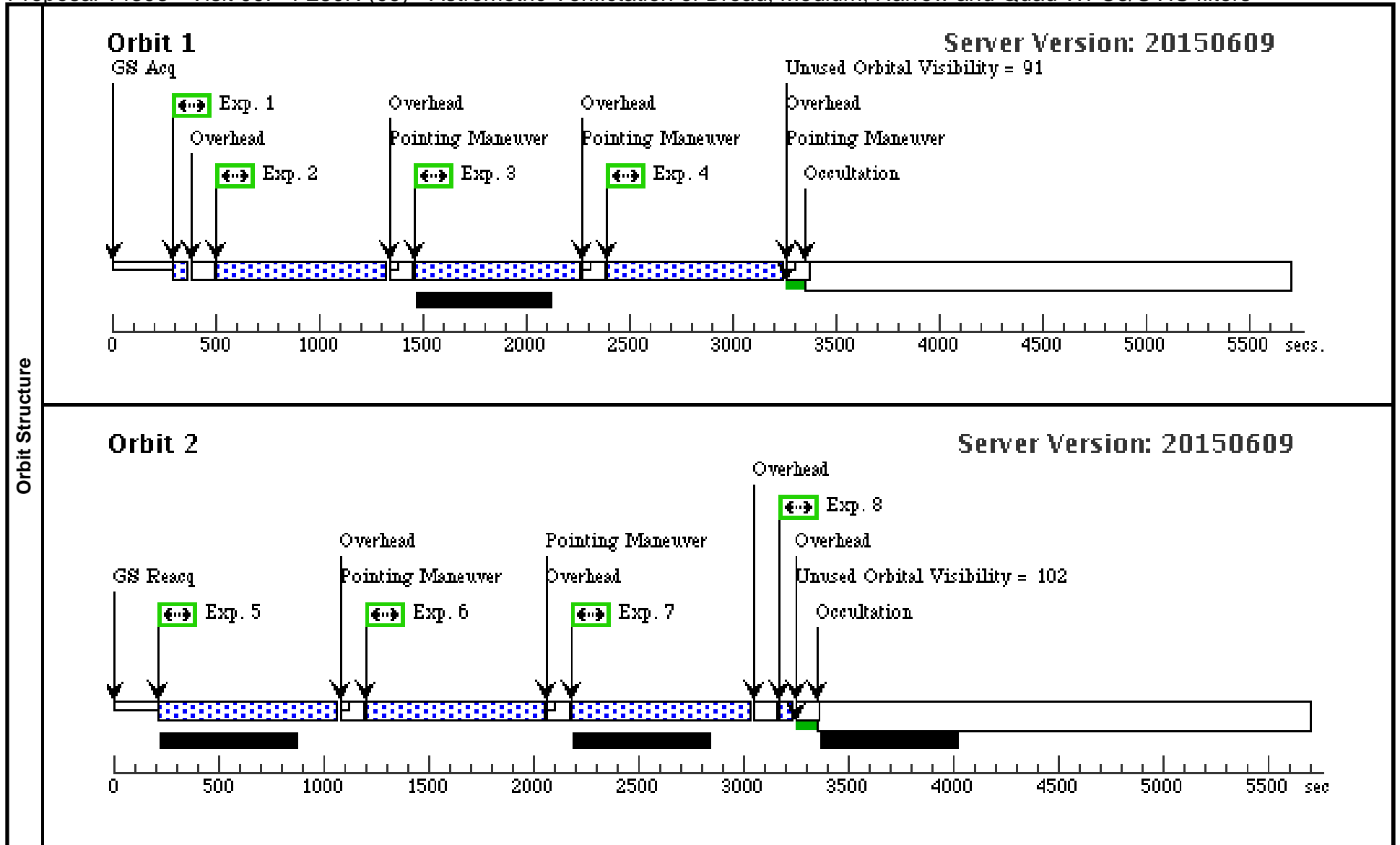
Visit	Proposal 14393, Visit 08: - F845M (08), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2016:00:00:00 AND 01-MAY-2016:00:00:00									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000		V=16.8	Reference Frame: ICRS				
	<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F845M: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F845M	FLASH=8	POS TARG 0,0		450 Secs (450 Secs) [==>]	[1]
	3	F845M: +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F845M	FLASH=8	POS TARG +40,+40		450 Secs (450 Secs) [==>]	[1]
	4	F845M: -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F845M	FLASH=8	POS TARG -40,+40		450 Secs (450 Secs) [==>]	[1]
	5	F845M: -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F845M	FLASH=8	POS TARG -40,-40		450 Secs (450 Secs) [==>]	[1]
	6	F845M: +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F845M	FLASH=8	POS TARG 40,-40		450 Secs (450 Secs) [==>]	[1]



Proposal 14393 - Visit 09: - F280N (09) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:20 GMT 2015

Fixed Targets	Visit									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	Proposal 14393, Visit 09: - F280N (09), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2016:00:00:00 AND 01-MAY-2016:00:00:00									
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000		V=16.8	Reference Frame: ICRS				
	<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F280N: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F280N	FLASH=12	POS TARG 0,0		800 Secs (800 Secs) [==>]	[1]
	3	F280N: +40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F280N	FLASH=12	POS TARG +40,+40		800 Secs (800 Secs) [==>]	[1]
	4	F280N: -40: +40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F280N	FLASH=12	POS TARG -40,+40		850 Secs (850 Secs) [==>]	[1]
	5	F280N -40: -40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F280N	FLASH=12	POS TARG -40,-40		850 Secs (850 Secs) [==>]	[2]
	6	F280N +40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F280N	FLASH=12	POS TARG 40,-40		850 Secs (850 Secs) [==>]	[2]
	7	F280N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F280N	FLASH=12	POS TARG 0,0		850 Secs (850 Secs) [==>]	[2]
	8	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0		40 Secs (40 Secs) [==>]	[2]



Proposal 14393 - Visit 10: - F343N, F373N (10) - Astrometric Verifictation of Broad, Medium, Narrow and Quad WFC3/UVIS filters

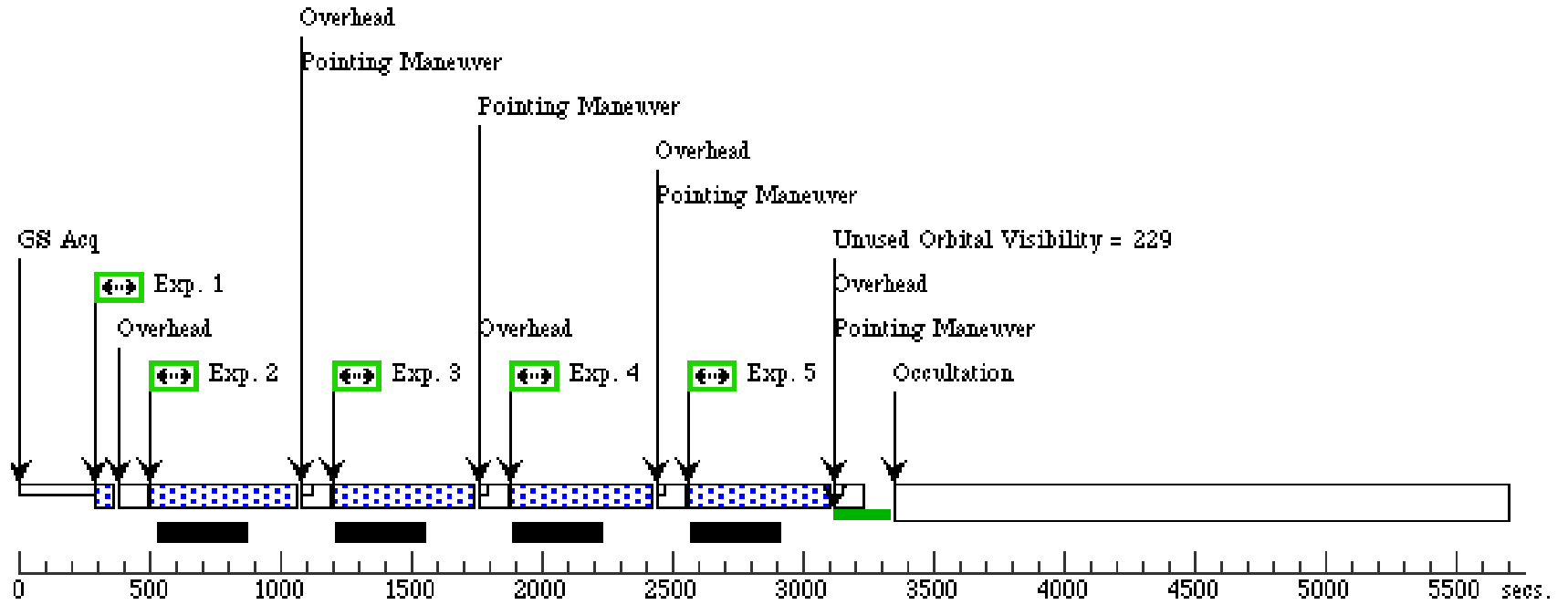
Sun Oct 18 01:10:20 GMT 2015

Visit	Proposal 14393, Visit 10: - F343N, F373N (10), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2016:00:00:00 AND 01-MAY-2016:00:00:00										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8	Reference Frame: ICRS				
	<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]	
	2	F343N: 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG 0,0		545 Secs (545 Secs) [==>]	[1]	
	3	F343N: +40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG +40,+40		545 Secs (545 Secs) [==>]	[1]	
	4	F343N: 0: +40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG 0,+40		545 Secs (545 Secs) [==>]	[1]	
	5	F343N: -40: +40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG -40,+40		545 Secs (545 Secs) [==>]	[1]	
	6	F343N -40: 0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG -40,0		510 Secs (510 Secs) [==>]	[2]	
	7	F343N -40: -40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG -40,-40		510 Secs (510 Secs) [==>]	[2]	
	8	F343N 0:- 40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG 40,-40		510 Secs (510 Secs) [==>]	[2]	
	9	F343N -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG 40,-40		510 Secs (510 Secs) [==>]	[2]	
	10	F343N +4 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F343N	FLASH=12	POS TARG +40,0		510 Secs (510 Secs) [==>]	[2]	
	11	F373N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F373N	FLASH=12	POS TARG 0,0		500 Secs (500 Secs) [==>]	[3]	
	12	F373N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F373N	FLASH=12	POS TARG +40,+40		500 Secs (500 Secs) [==>]	[3]	
	13	F373N +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F373N	FLASH=12	POS TARG -40,+40		500 Secs (500 Secs) [==>]	[3]	
	14	F373N -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F373N	FLASH=12	POS TARG 0,0		500 Secs (500 Secs) [==>]	[3]	
15	F373N -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F373N	FLASH=12	POS TARG -40,+40		500 Secs (500 Secs) [==>]	[3]		

Orbit 1

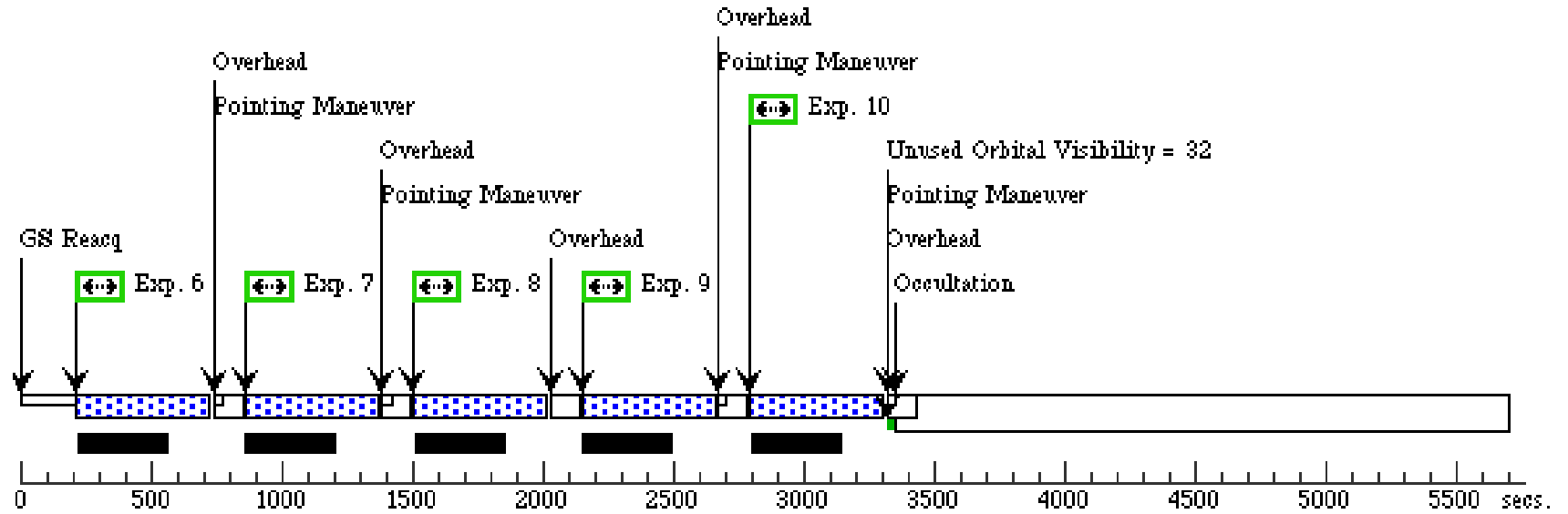
Server Version: 20150609

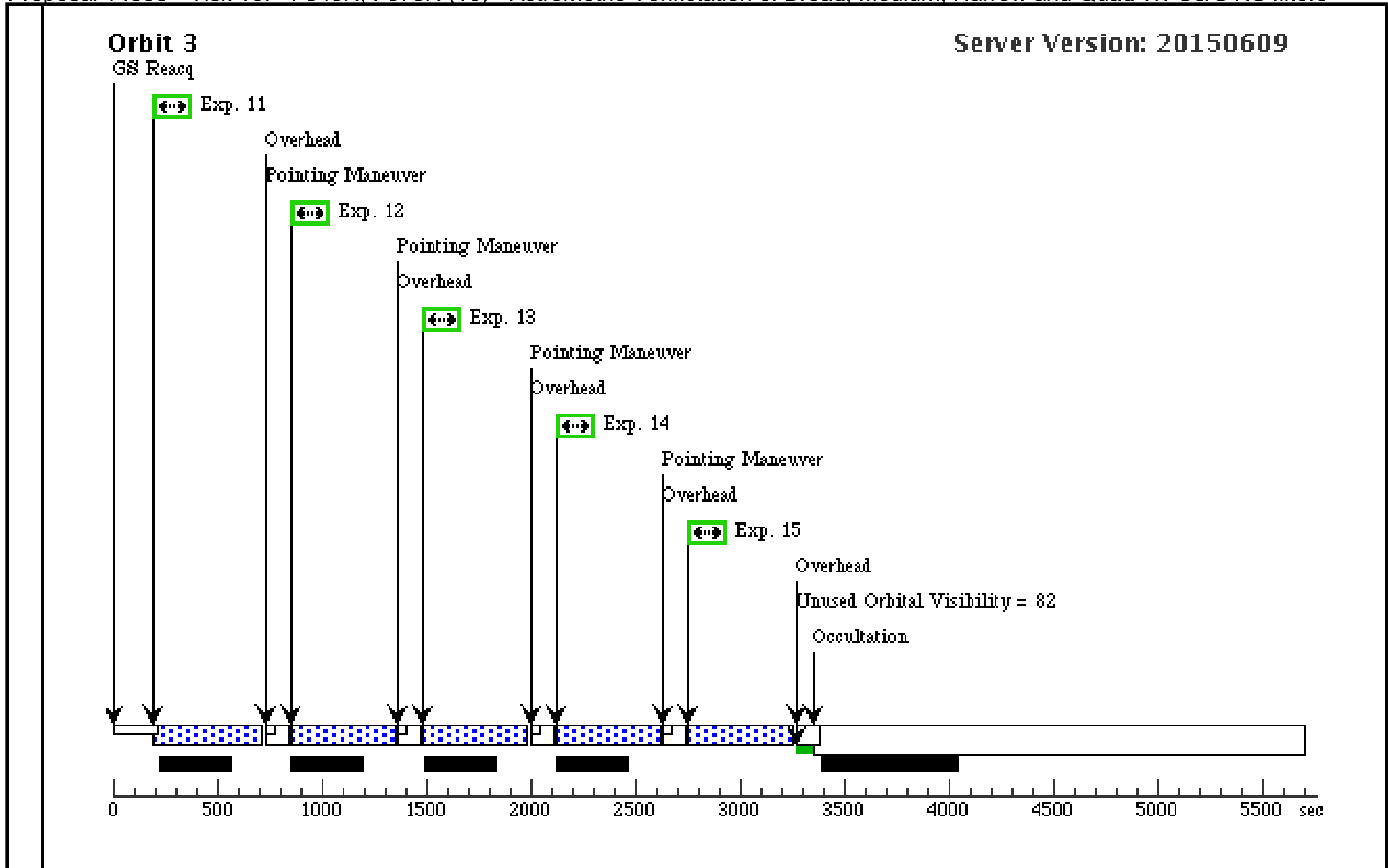
Orbit Structure



Orbit 2

Server Version: 20150609

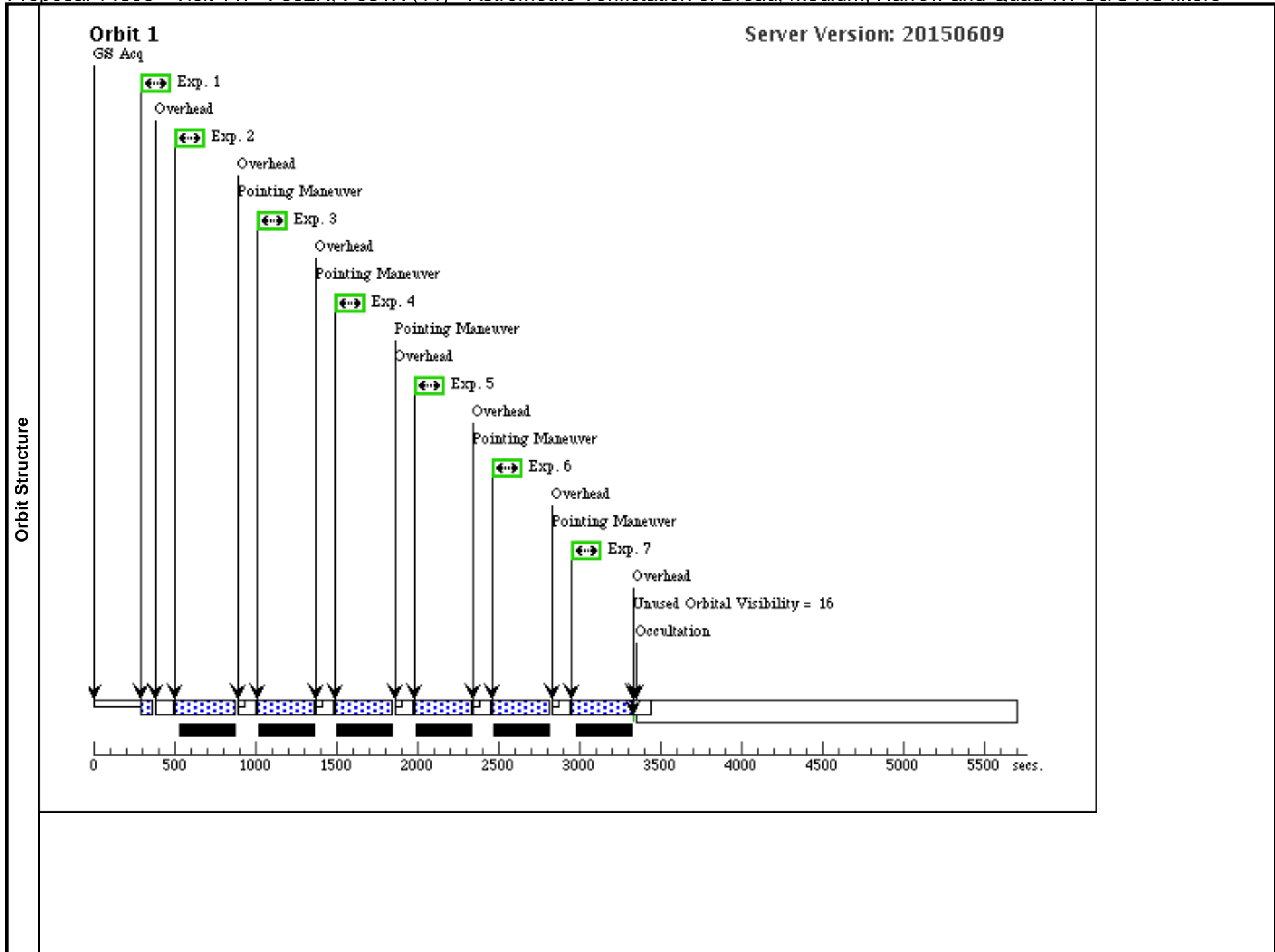


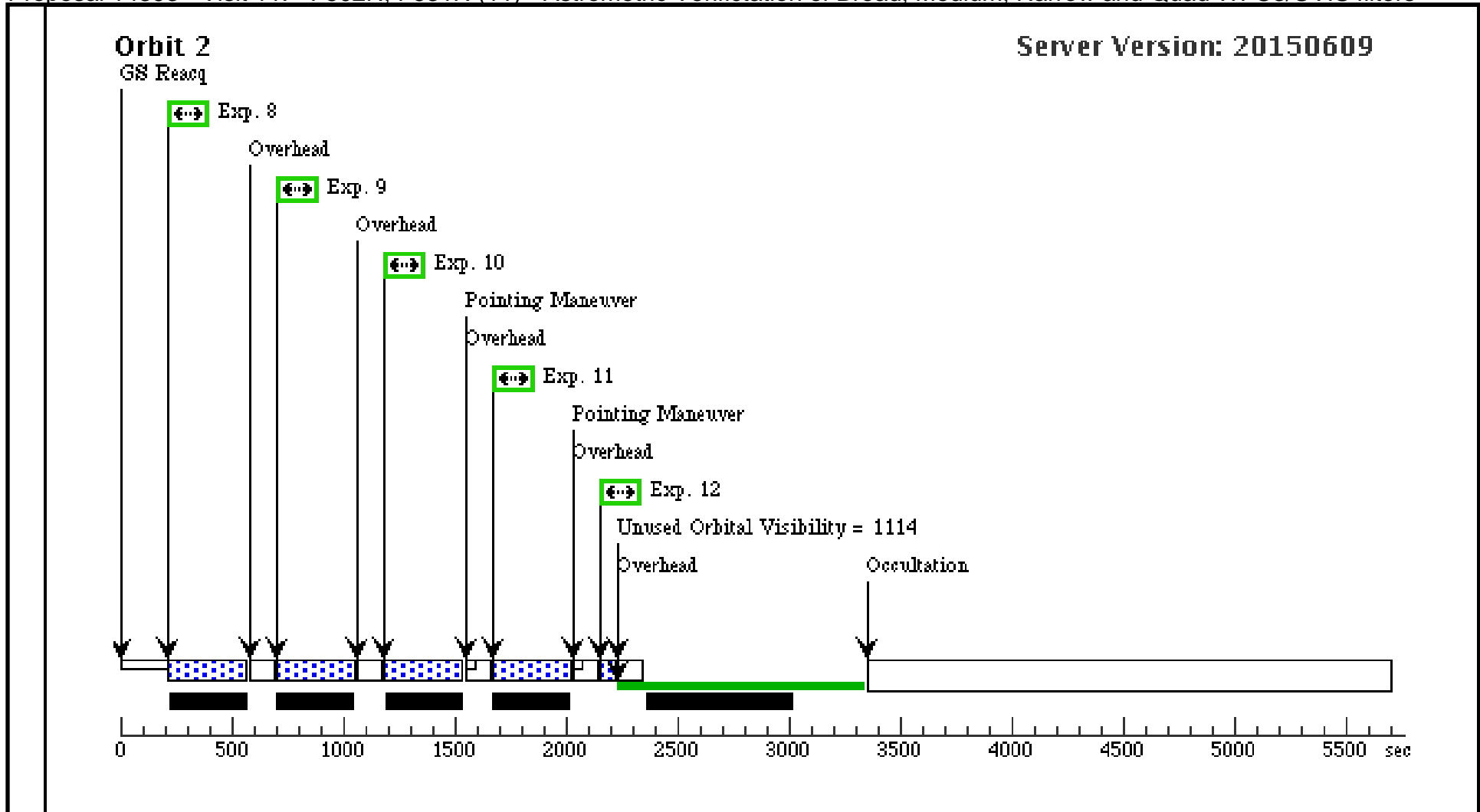


Proposal 14393 - Visit 11: - F502N, F631N (11) - Astrometric Verifictation of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:21 GMT 2015

Visit	Proposal 14393, Visit 11: - F502N, F631N (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2016:00:00:00 AND 01-MAY-2016:00:00:00									
	Fixed Targets	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (9) OMEGACEN RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000 Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F502N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F502N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]
	3	F502N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F502N	FLASH=12	POS TARG +40,+40		350 Secs (350 Secs) [==>]	[1]
	4	F502N -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F502N	FLASH=12	POS TARG -40,+40		350 Secs (350 Secs) [==>]	[1]
	5	F502N -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F502N	FLASH=12	POS TARG -40,-40		350 Secs (350 Secs) [==>]	[1]
	6	F502N 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F502N	FLASH=12	POS TARG +40,-40		350 Secs (350 Secs) [==>]	[1]
	7	F631N :0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F631N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]
	8	F631N 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F631N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[2]
	9	F631N +40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F631N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[2]
	10	F631N -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F631N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[2]
	11	F631N 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F631N	FLASH=12	POS TARG +40,-40		350 Secs (350 Secs) [==>]	[2]
	12	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0		40 Secs (40 Secs) [==>]	[2]



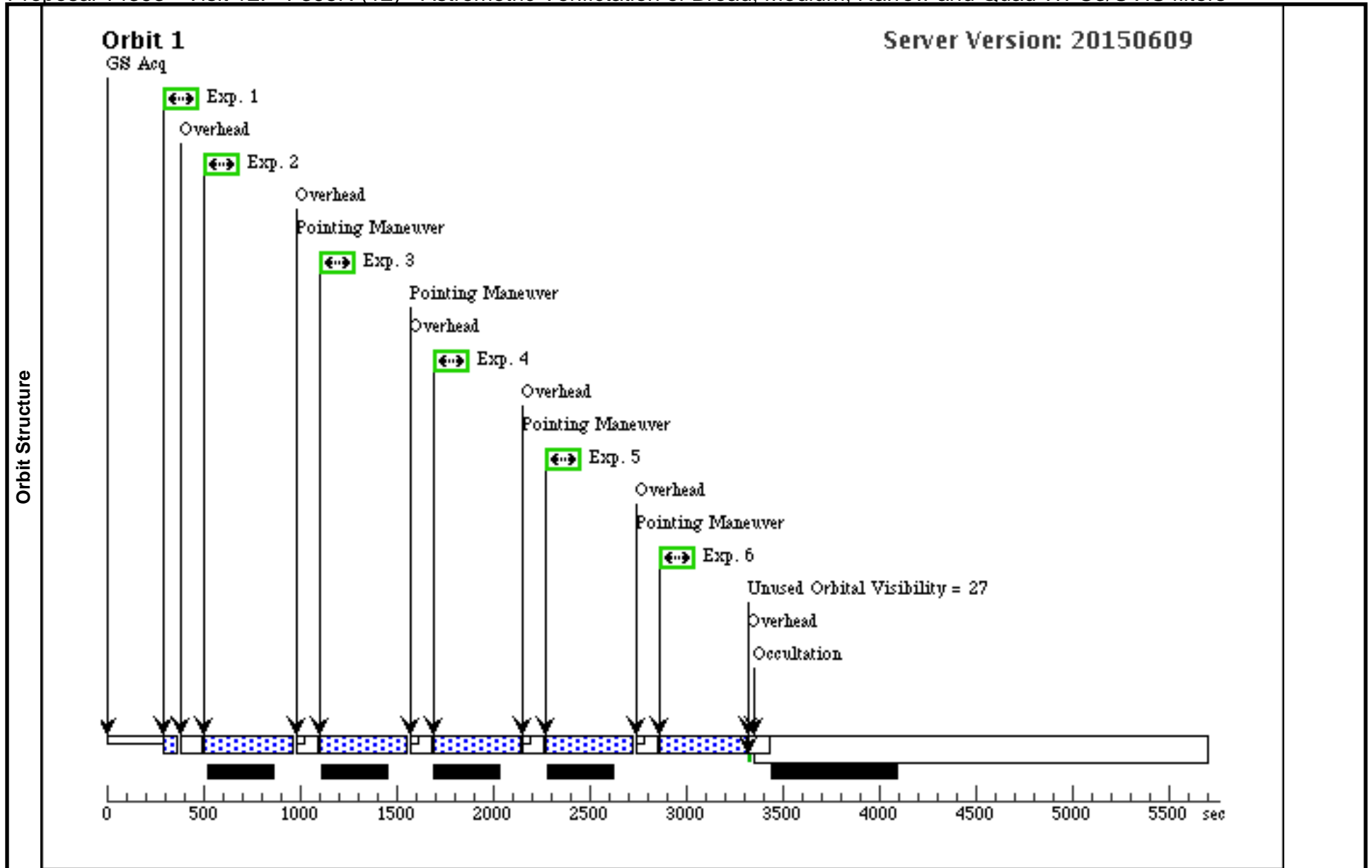


Proposal 14393 - Visit 12: - F395N (12) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:21 GMT 2015

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F395N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F395N	FLASH=12	POS TARG 0,0		450 Secs (450 Secs) [==>]	[1]
	3	F395N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F395N	FLASH=12	POS TARG +40,+40		450 Secs (450 Secs) [==>]	[1]
	4	F395N -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F395N	FLASH=12	POS TARG -40,+40		450 Secs (450 Secs) [==>]	[1]
	5	F395N -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F395N	FLASH=12	POS TARG -40,-40		450 Secs (450 Secs) [==>]	[1]
	6	F395N +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F395N	FLASH=12	POS TARG +40,-40		450 Secs (450 Secs) [==>]	[1]

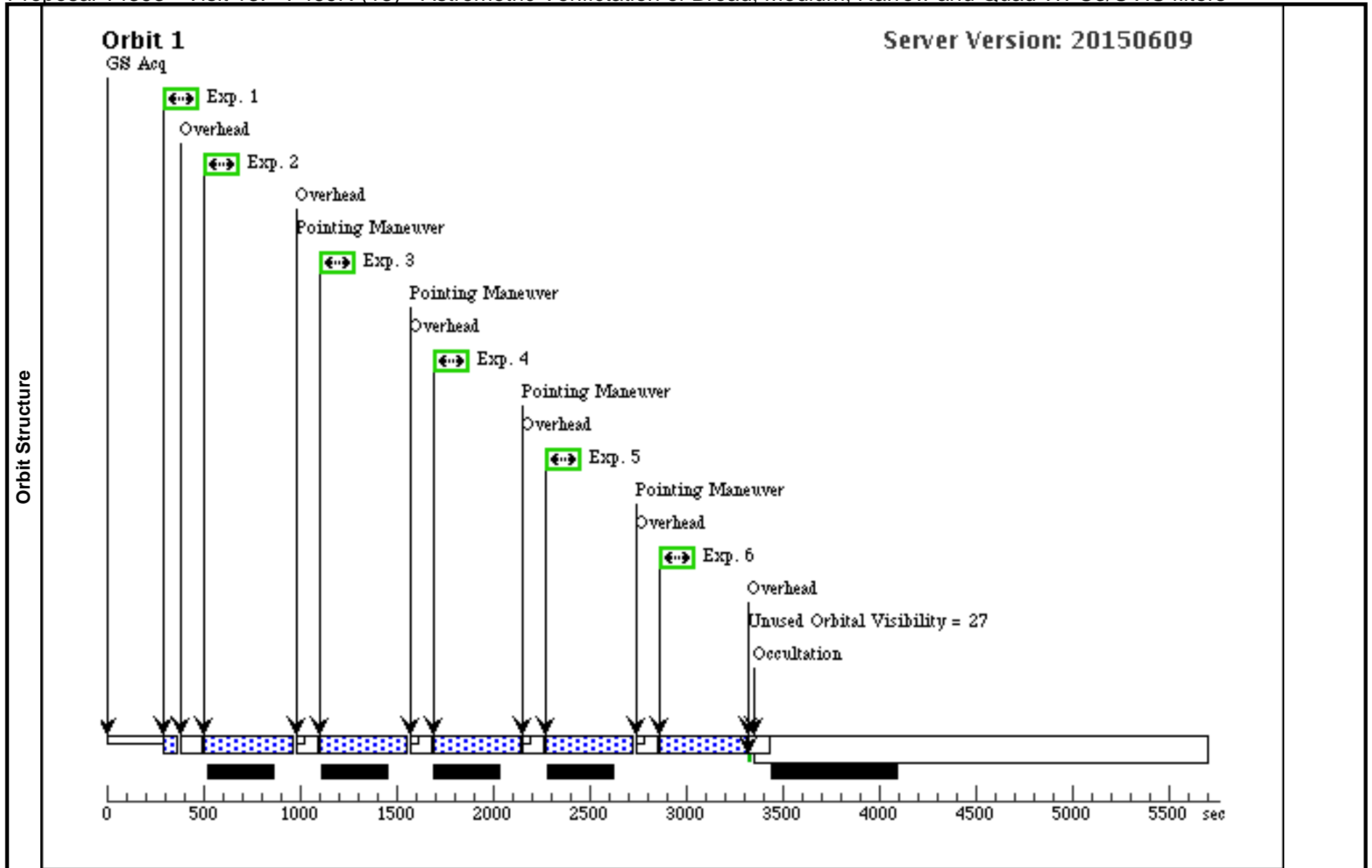


Proposal 14393 - Visit 13: - F469N (13) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:21 GMT 2015

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F469N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F469N	FLASH=12	POS TARG 0,0		450 Secs (450 Secs) [==>]	[1]
	3	F469N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F469N	FLASH=12	POS TARG +40,+40		450 Secs (450 Secs) [==>]	[1]
	4	F469N -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F469N	FLASH=12	POS TARG -40,+40		450 Secs (450 Secs) [==>]	[1]
	5	F469N -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F469N	FLASH=12	POS TARG -40,-40		450 Secs (450 Secs) [==>]	[1]
	6	F469N 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F469N	FLASH=12	POS TARG +40,-40		450 Secs (450 Secs) [==>]	[1]

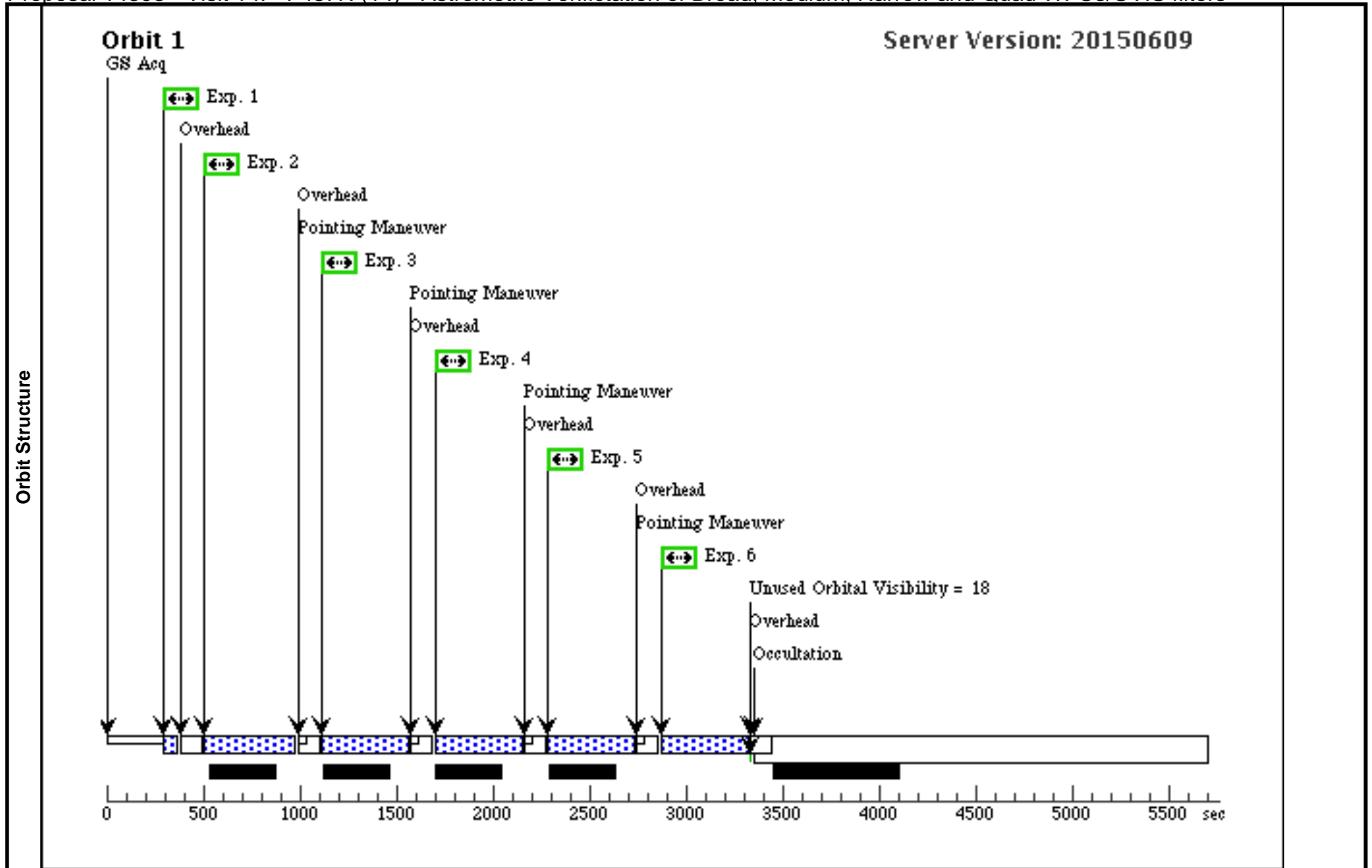


Proposal 14393 - Visit 14: - F487N (14) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:21 GMT 2015

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F487N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG 0,0		450 Secs (450 Secs) [==>]	[1]
	3	F487N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG +40,+40		450 Secs (450 Secs) [==>]	[1]
	4	F487N -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG -40,+40		450 Secs (450 Secs) [==>]	[1]
	5	F487N -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG -40,-40		450 Secs (450 Secs) [==>]	[1]
	6	F487N 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG +40,-40		450 Secs (450 Secs) [==>]	[1]

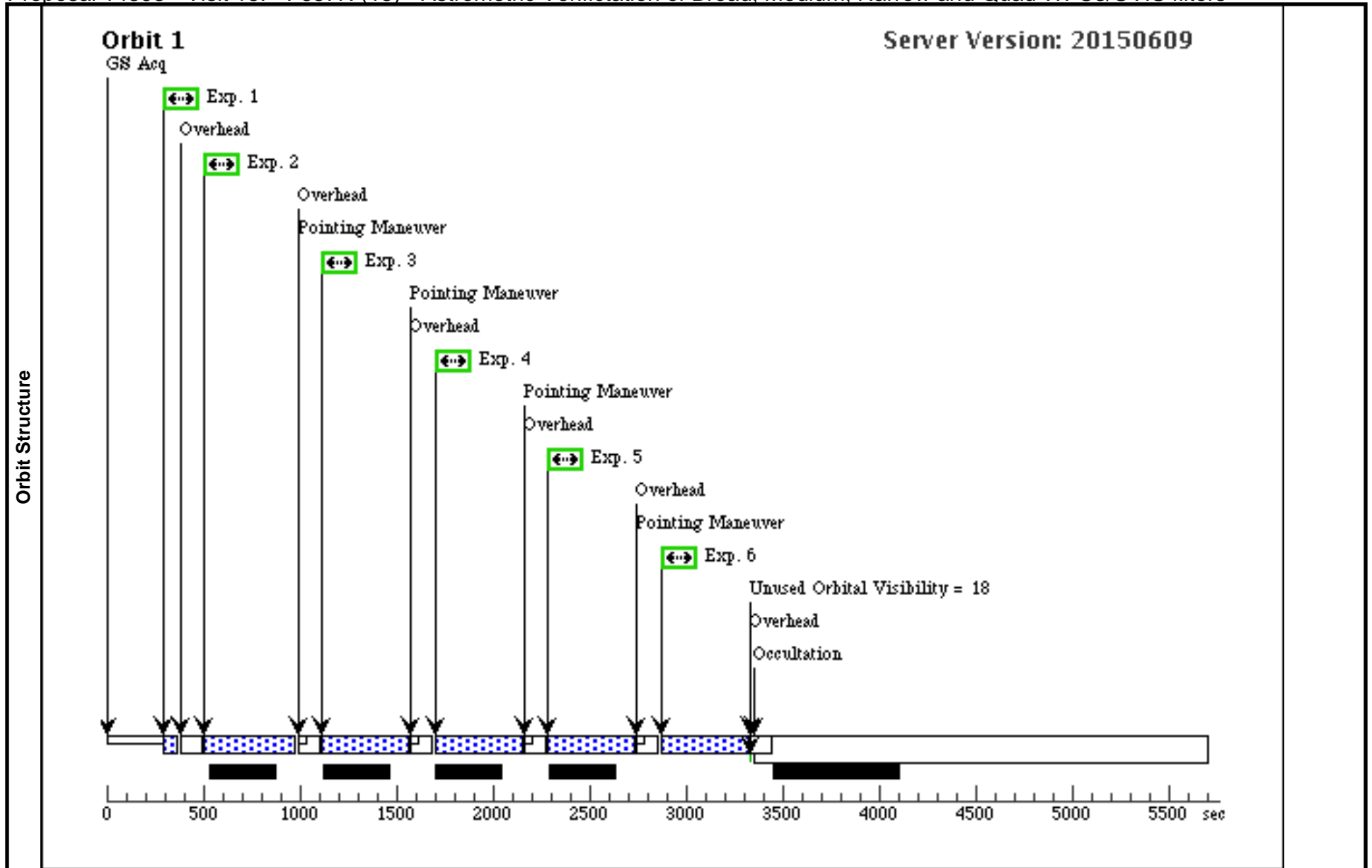


Proposal 14393 - Visit 15: - F657N (15) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS filters

Sun Oct 18 01:10:21 GMT 2015

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000			V=16.8
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F487N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG 0,0		450 Secs (450 Secs) [==>]	[1]
	3	F487N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG +40,+40		450 Secs (450 Secs) [==>]	[1]
	4	F487N -40 :+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG -40,+40		450 Secs (450 Secs) [==>]	[1]
	5	F487N -40 :-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG -40,-40		450 Secs (450 Secs) [==>]	[1]
	6	F487N +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F487N	FLASH=12	POS TARG +40,-40		450 Secs (450 Secs) [==>]	[1]

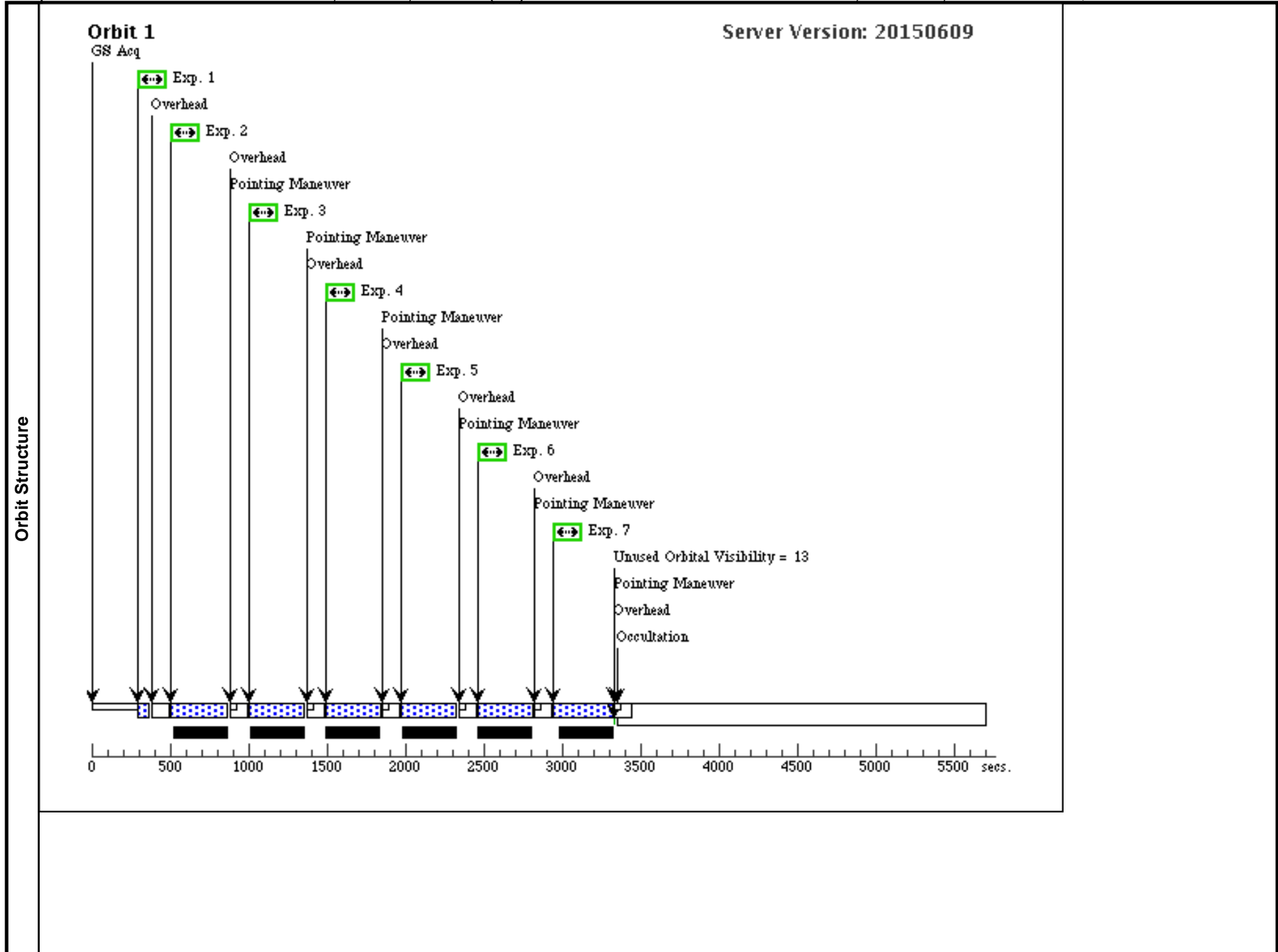


Proposal 14393 - Visit 16: - F645N, F665N, F680N (16) - Astrometric Verifictation of Broad, Medium, Narrow and Quad WFC3/UVIS fil...

Visit	Proposal 14393, Visit 16: - F645N, F665N, F680N (16), implementation Sun Oct 18 01:10:21 GMT 2015					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; BETWEEN 01-FEB-2016:00:00:00 AND 01-MAY-2016:00:00:00					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000		V=16.8	Reference Frame: ICRS
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>						

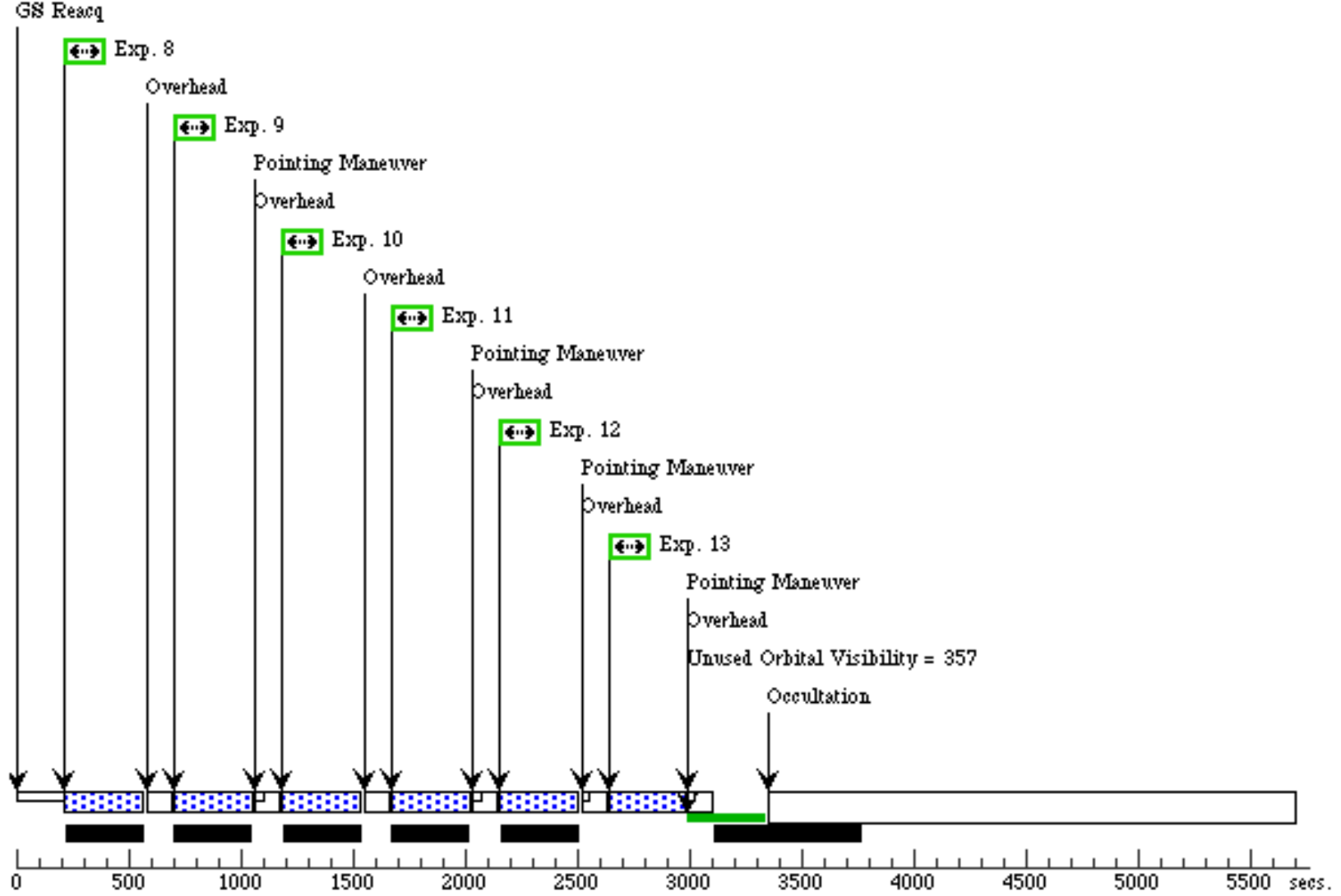
Proposal 14393 - Visit 16: - F645N, F665N, F680N (16) - Astrometric Verification of Broad, Medium, Narrow and Quad WFC3/UVIS fil...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0; GS ACQ SCENARI O BASE1B3		40 Secs (40 Secs) [==>]	[1]
	2	F645N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F645N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]
	3	F645N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F645N	FLASH=12	POS TARG +40,+40		350 Secs (350 Secs) [==>]	[1]
	4	F645N -4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F645N	FLASH=12	POS TARG -40,+40		350 Secs (350 Secs) [==>]	[1]
	5	F645N -40 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F645N	FLASH=12	POS TARG -40,-40		350 Secs (350 Secs) [==>]	[1]
	6	F645N +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F645N	FLASH=12	POS TARG +40,-40		350 Secs (350 Secs) [==>]	[1]
	7	F665N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]
	8	F665N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG +40,+40		350 Secs (350 Secs) [==>]	[2]
	9	F665N 0: +40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG +40,+40		350 Secs (350 Secs) [==>]	[2]
	10	F665N -40 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG -40,+40		350 Secs (350 Secs) [==>]	[2]
	11	F665N -40 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG -40,+40		350 Secs (350 Secs) [==>]	[2]
	12	F665N -40 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG -40,-40		350 Secs (350 Secs) [==>]	[2]
	13	F665N 0: -40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG 0,-40		340 Secs (340 Secs) [==>]	[2]
	14	F665N +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG +40,-40		340 Secs (340 Secs) [==>]	[3]
	15	F665N +4 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F665N	FLASH=12	POS TARG +40,0		340 Secs (340 Secs) [==>]	[3]
	16	F680N 0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F680N	FLASH=12	POS TARG 0,0		330 Secs (330 Secs) [==>]	[3]
	17	F680N +4 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F680N	FLASH=12	POS TARG +40,-40		330 Secs (330 Secs) [==>]	[3]
	18	F680N +4 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F680N	FLASH=12	POS TARG +40,+40		330 Secs (330 Secs) [==>]	[4]
	19	F680N -40 0:-40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F680N	FLASH=12	POS TARG -40,-40		350 Secs (350 Secs) [==>]	[4]
20	F680N -40 0:+40	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F680N	FLASH=12	POS TARG -40,+40		350 Secs (350 Secs) [==>]	[4]	



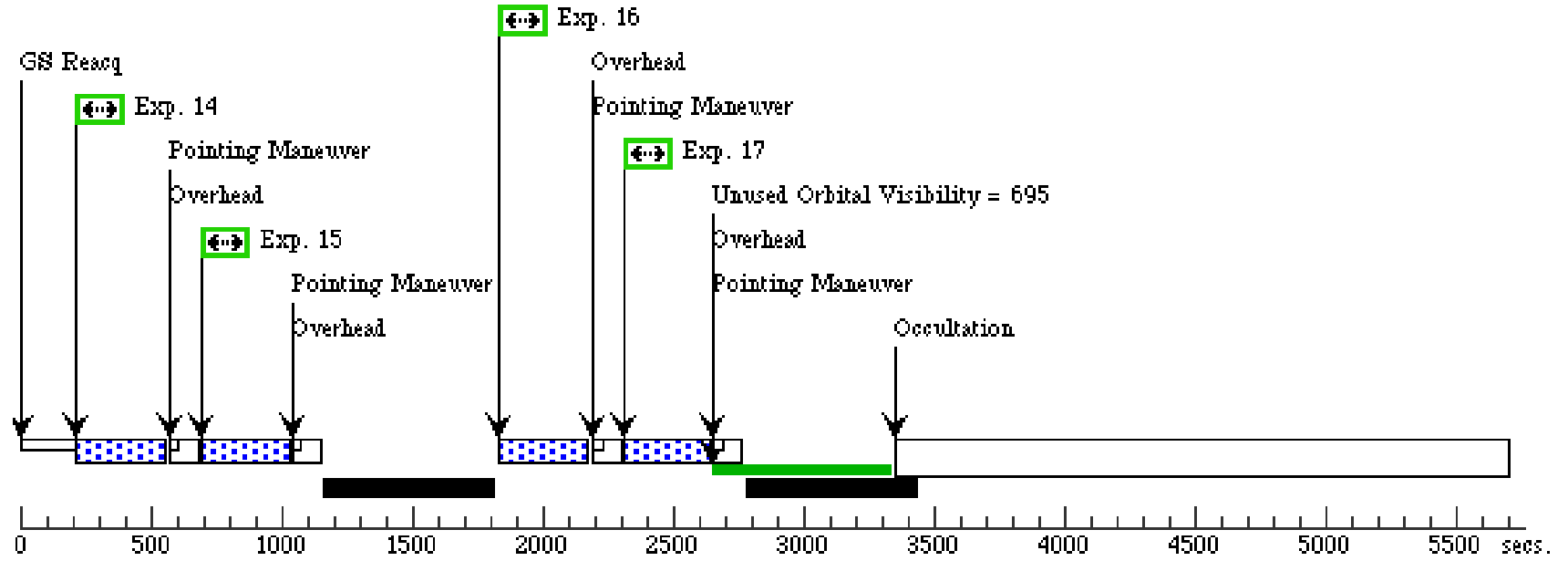
Orbit 2

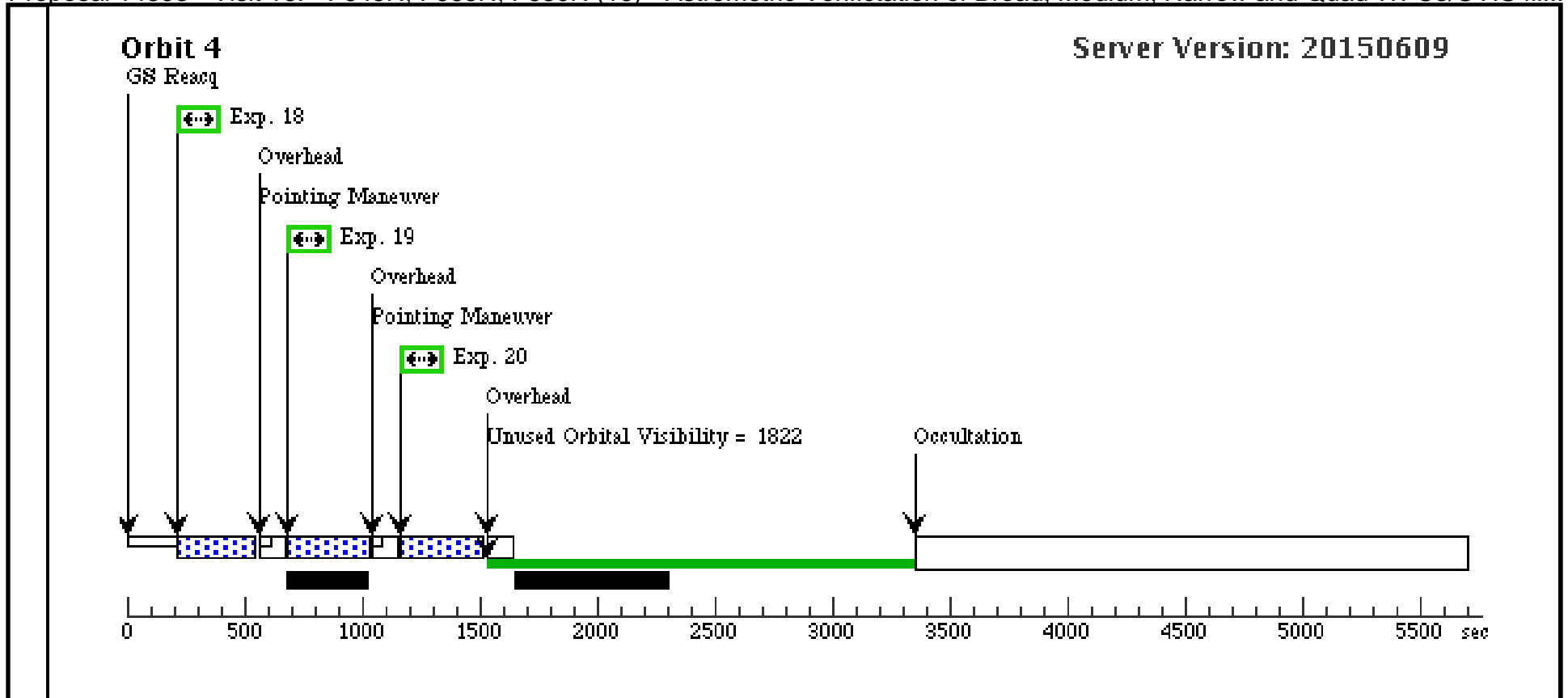
Server Version: 20150609



Orbit 3

Server Version: 20150609

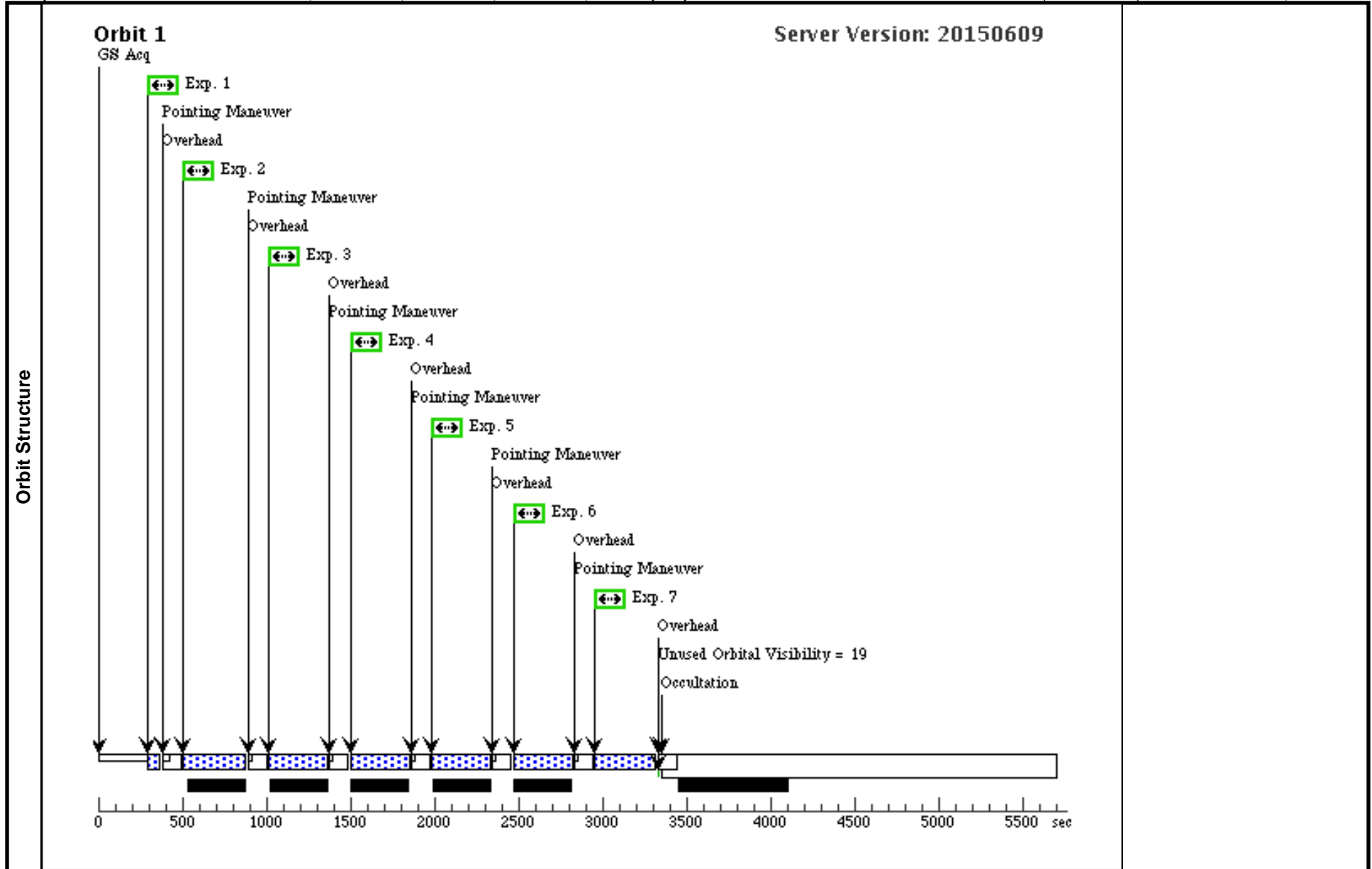




Proposal 14393 - Visit 17 - FQ437N/FQ378N/FQ232N/FQ243N (17) - Astrometric Verifictation of Broad, Medium, Narrow and Quad W...

Sun Oct 18 01:10:21 GMT 2015

Visit	Proposal 14393, Visit 17 - FQ437N/FQ378N/FQ232N/FQ243N (17), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2016:00:00:00 AND 01-SEP-2016:00:00:00									
	Diagnosics (0:0 (17.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (-8:8 (17.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (8:8 (17.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (8:-8 (17.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (-8:-8 (17.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (0:0 (17.007)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000		V=16.8	Reference Frame: ICRS				
<i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0		40 Secs (40 Secs) [==>]	[1]
	2	0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ378N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]
	3	-8:8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ378N	FLASH=12	POS TARG -8,8		350 Secs (350 Secs) [==>]	[1]
	4	8:8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ378N	FLASH=12	POS TARG 8,8		350 Secs (350 Secs) [==>]	[1]
	5	8:-8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ378N	FLASH=12	POS TARG 8,-8		350 Secs (350 Secs) [==>]	[1]
	6	-8:-8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ378N	FLASH=12	POS TARG -8,-8		350 Secs (350 Secs) [==>]	[1]
	7	0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ937N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]



Proposal 14393 - Visit 18 - FQ387N/FQ492N/FQ422N/FQ436N (18) - Astrometric Verifictation of Broad, Medium, Narrow and Quad W...

Sun Oct 18 01:10:21 GMT 2015

Visit	Proposal 14393, Visit 18 - FQ387N/FQ492N/FQ422N/FQ436N (18), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2016:00:00:00 AND 01-SEP-2016:00:00:00																																																																																										
	Diagnostics	(0:0 (18.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (-8:8 (18.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (8:8 (18.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (8:-8 (18.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (-8:-8 (18.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (0:0 (18.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.																																																																																									
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>(9)</td> <td>OMEGACEN</td> <td>RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000</td> <td></td> <td>V=16.8</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This is the same target (and coordinates) as used in CAL/WFC3 11911, UVIS L-Flats and Geometric Distortion</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(9)	OMEGACEN	RA: 13 26 46.2800 (201.6928333d) Dec: -47 28 44.60 (-47.47906d) Equinox: J2000		V=16.8	Reference Frame: ICRS																																																																				
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Exposures		<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0:0</td> <td>(9) OMEGACEN</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD</td> <td>FQ492N</td> <td>FLASH=12</td> <td>POS TARG 0,0</td> <td></td> <td>350 Secs (350 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>-8:8</td> <td>(9) OMEGACEN</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD</td> <td>FQ492N</td> <td>FLASH=12</td> <td>POS TARG -8,8</td> <td></td> <td>350 Secs (350 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>8:8</td> <td>(9) OMEGACEN</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD</td> <td>FQ492N</td> <td>FLASH=12</td> <td>POS TARG 8,8</td> <td></td> <td>350 Secs (350 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>8:-8</td> <td>(9) OMEGACEN</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD</td> <td>FQ492N</td> <td>FLASH=12</td> <td>POS TARG 8,-8</td> <td></td> <td>350 Secs (350 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>-8:-8</td> <td>(9) OMEGACEN</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD</td> <td>FQ492N</td> <td>FLASH=12</td> <td>POS TARG -8,-8</td> <td></td> <td>350 Secs (350 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>6</td> <td>0:0</td> <td>(9) OMEGACEN</td> <td>WFC3/UVIS, ACCUM, UVIS-QUAD</td> <td>FQ492N</td> <td>FLASH=12</td> <td>POS TARG 0,0</td> <td></td> <td>350 Secs (350 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>7</td> <td>F606W</td> <td>(9) OMEGACEN</td> <td>WFC3/UVIS, ACCUM, UVIS</td> <td>F606W</td> <td>FLASH=12</td> <td>POS TARG 0,0</td> <td></td> <td>40 Secs (40 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table>										#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]	2	-8:8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG -8,8		350 Secs (350 Secs) [==>]	[1]	3	8:8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG 8,8		350 Secs (350 Secs) [==>]	[1]	4	8:-8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG 8,-8		350 Secs (350 Secs) [==>]	[1]	5	-8:-8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG -8,-8		350 Secs (350 Secs) [==>]	[1]	6	0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]	7	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0		40 Secs (40 Secs) [==>]	[1]
		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																																																
	1	0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]																																																																																	
	2	-8:8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG -8,8		350 Secs (350 Secs) [==>]	[1]																																																																																	
	3	8:8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG 8,8		350 Secs (350 Secs) [==>]	[1]																																																																																	
	4	8:-8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG 8,-8		350 Secs (350 Secs) [==>]	[1]																																																																																	
	5	-8:-8	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG -8,-8		350 Secs (350 Secs) [==>]	[1]																																																																																	
	6	0:0	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ492N	FLASH=12	POS TARG 0,0		350 Secs (350 Secs) [==>]	[1]																																																																																	
7	F606W	(9) OMEGACEN	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=12	POS TARG 0,0		40 Secs (40 Secs) [==>]	[1]																																																																																		

