13654 - Ultraviolet Spectroscopy of the Extended Lyman Alpha Reference Sample

Cycle: 22, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
02	(2) SDSS-J132109.07+590605.3	COS/FUV COS/NUV	1	05-Feb-2015 21:03:25.0	yes
03	(3) SDSS-J114511.42+614230.6	COS/FUV COS/NUV	1	05-Feb-2015 21:03:27.0	yes
04	(4) SDSS-J172823.84+573243.4	COS/FUV COS/NUV	1	05-Feb-2015 21:03:28.0	yes
05	(5) SDSS-J110501.98+594103.5	COS/FUV COS/NUV	1	05-Feb-2015 21:03:29.0	yes
06	(6) SDSS-J115840.58+645753.0	COS/FUV COS/NUV	1	05-Feb-2015 21:03:30.0	yes
07	(7) SDSS-J101242.97+613302.8	COS/FUV COS/NUV	1	05-Feb-2015 21:03:31.0	yes
08	(8) SDSS-J103020.91+611549.3	COS/FUV COS/NUV	1	05-Feb-2015 21:03:32.0	yes
09	(9) SDSS-J132734.70+664516.6	COS/FUV COS/NUV	1	05-Feb-2015 21:03:33.0	yes
10	(10) SDSS-J110504.41+593957.3	COS/FUV COS/NUV	1	05-Feb-2015 21:03:34.0	yes
11	(11) SDSS-J092715.48+583654.4	COS/FUV COS/NUV	1	05-Feb-2015 21:03:35.0	yes
12	(12) SDSS-J130607.16+591302.4	COS/FUV COS/NUV	1	05-Feb-2015 21:03:36.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
13	(13) SDSS-J105100.65+655940.5	COS/FUV COS/NUV	1	05-Feb-2015 21:03:37.0	yes
14	(14) SDSS-J112722.07+604454.1	COS/FUV COS/NUV	1	05-Feb-2015 21:03:38.0	yes
15	(15) SDSS-J134437.82+611424.3	COS/FUV COS/NUV	1	05-Feb-2015 21:03:39.0	yes
16	(16) SDSS-J135209.13+560631.4	COS/FUV COS/NUV	2	05-Feb-2015 21:03:40.0	yes
17	(17) SDSS-J102656.29+584941.6	COS/FUV COS/NUV	1	05-Feb-2015 21:03:42.0	yes
18	(18) SDSS-J152053.59+571122.1	COS/FUV COS/NUV	1	05-Feb-2015 21:03:43.0	yes
19	(19) SDSS-J120506.35+563330.9	COS/FUV COS/NUV	2	05-Feb-2015 21:03:44.0	yes
20	(20) SDSS-J133858.25+614957.6	COS/FUV COS/NUV	1	05-Feb-2015 21:03:45.0	yes
21	(21) SDSS-J141911.37+654946.3	COS/FUV COS/NUV	1	05-Feb-2015 21:03:46.0	yes
22	(22) SDSS-J170912.73+604950.0	COS/FUV COS/NUV	1	05-Feb-2015 21:03:47.0	yes
23	(23) SDSS-J144827.20+630210.4	COS/FUV COS/NUV	1	05-Feb-2015 21:03:48.0	yes
24	(24) SDSS-J144305.31+611838.6	COS/FUV COS/NUV	1	05-Feb-2015 21:03:49.0	yes
25	(25) SDSS-J101201.93+603720.3	COS/FUV COS/NUV	1	05-Feb-2015 21:03:49.0	yes
26	(26) SDSS-J115241.69+661827.2	COS/FUV COS/NUV	1	05-Feb-2015 21:03:50.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
27	(27) SDSS-J150247.62+622018.9	COS/FUV COS/NUV	1	05-Feb-2015 21:03:51.0	yes
28	(28) SDSS-J115218.74+585657.0	COS/FUV COS/NUV	1	05-Feb-2015 21:03:52.0	yes

29 Total Orbits Used

ABSTRACT

The importance of the Lyman alpha (Lya) emission line for high-z galaxy studies cannot be overstated. Tens of thousands of galaxies have been found and confirmed through Lya, and in the next decade the samples will increase 100-fold. Yet Lya is a resonance line, and transfer effects may bias surveys in complicated and unknown ways if fundamental relations between Lya observables and physical properties are not established. This requires large samples and comprehensive multi-wavelength data sets. The Extended Lyman alpha Reference Sample is a sample of 28 star-forming galaxies, complete with 8-band HST imaging, 21 cm observations of HI gas, and a plethora of other data: it will provide the gold-standard study of Lya astrophysics in extragalactic laboratories. Currently eLARS includes no data from which to measure the Lya line profile or the covering/kinematics of the ISM - properties ranked among the most crucial for Lya transfer.

The proposed COS spectra will measure ~8 ISM absorption lines, Ly-alpha itself, and an array of stellar features. From this we will:
1. determine the covering and kinematics of the neutral and ionized ISM - the material through which Lya transfers
2. resolve the Lya emission/absorption and model the properties of the HI medium
3. quantify of mechanical feedback from massive stars and supernovae
4. enhance the accuracy and ensure maximal return from ACS Lya imaging

With large-scale galaxy surveys now beginning, eLARS spectroscopy will provide a vital interpretive dataset for the coming decades when no UV platforms are available. It adheres perfectly to the philosophy of the UV initiative.

OBSERVING DESCRIPTION

This programme will observe 27 nearby star-forming galaxies with the COS.

25 of the visits are single-orbit visits in the CVZ; 2 visits consist of two normal (i.e. not CV) orbits each.

PSA and MIRROR A are used throughout.

All visits use ACQ/IMAGE for target acquisition, and then do four exposures of spectroscopy in the G130M grating with CENWAVE=1327. This is the optimal setting to see the absorption lines and Ly-alpha emission in which we are interested. Each of the four spectroscopic exposures is done at incremented FP-POS positions to best remove fixed pattern noise.

To design the COS observations, all photometry is done in ACS/SBC/F140LP and WFC3/UVIS/F336W images. We find the desired pointing -- the brightest UV point source -- and do photometry in two apertures. We then interpolate in log-flux (i.e. measuring the beta slope) to 2200 Angstroms, the wavelength of the NUV imager.

Photometry (F140LP and F336W) is done in two circular apertures:
- one of 0.1 arcsec. This is used to design the ACQ/IMAGE observation, where the real point-sources are important
- the second aperture has radius 1.25 arcsec, the radius of the PSA, and it is this ETC run that is used for the spectroscopic visits where it's the whole flux in the aperture that counts.

Exposure times for acquisition vary a lot, between 6 and 370 seconds; targets have similar total luminosities, but quite different morphologies and therefore surface brightnesses. This has really been optimized using the ACS+WFC3 imaging.

Four visits are currently on hold, pending data acquisition from the imaging leg of the survey, GO 13483. When these observations are conducted we will immediately obtain the images from MAST, process them, and make the same measurements as described above. Then we will update the PII and release the hold. Current scheduling windows are provided in the individual On Hold comments boxes for each target.

Visit

Proposal 13654, eLARS02 (02), scheduled Fri Feb 06 02:03:54 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SDSS-J132109.07+590605.3 Alt Name1: ELARS02	RA: 13 21 9.3100 (200.2887917d) Dec: +59 06 4.24 (59.10118d) Equinox: J2000		V=15.84 log(LFUV/Lsun) = 10.056	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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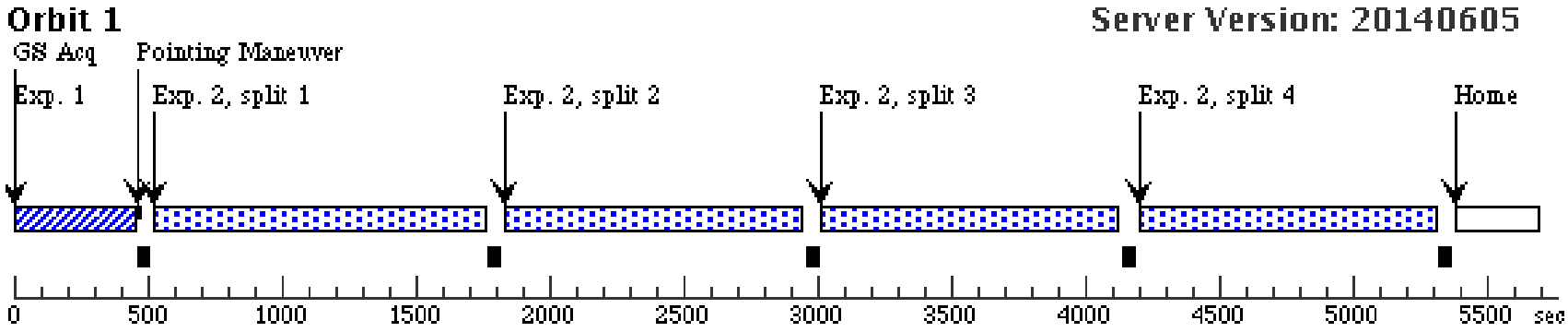
F140LP 11110 J9ZP14010
F336W 13483 ICDB88010

COS/NUV full = 8.6408e-16 cgs/AA
COS/NUV ACQ = 2.8424e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.655236)	(2) SDSS-J132109.07+590605.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				28 Secs (28 Secs) *[==>]*	*[1]*
2	(COS.sp.655238)	(2) SDSS-J132109.07+590605.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3670			1060 Secs (4240 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS03 (03), scheduling Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSS-J114511.42+614230.6 Alt Name1: ELARS03	RA: 11 45 11.7430 (176.2989292d) Dec: +61 42 29.53 (61.70820d) Equinox: J2000		V=14.80 log(LFUV/Lsun) = 10.208	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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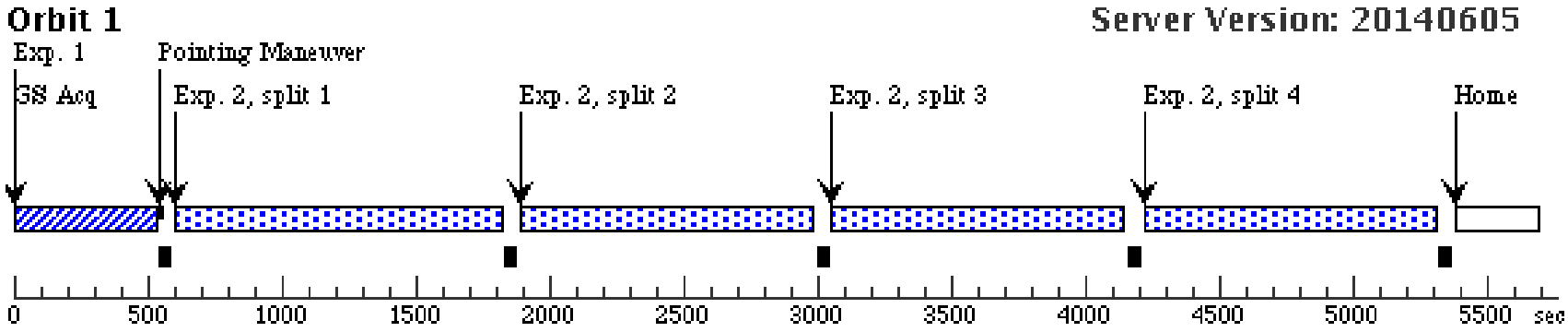
F140LP 13483 JCDB01020
F336W 13483 ICDB58010

COS/NUV full = 6.3514e-16 cgs/AA
COS/NUV ACQ = 1.1643e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.655242)	(3) SDSS-J114511.42+614230.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				68 Secs (68 Secs) *[==>]*	*[1]*
2	(COS.sp.655243)	(3) SDSS-J114511.42+614230.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4031			1040 Secs (4160 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS04 (04), implementation Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SDSS-J172823.84+573243.4 Alt Name1: ELARS04	RA: 17 28 23.9250 (262.0996875d) Dec: +57 32 44.04 (57.54557d) Equinox: J2000		V=15.10 log(LFUV/Lsun) = 10.069	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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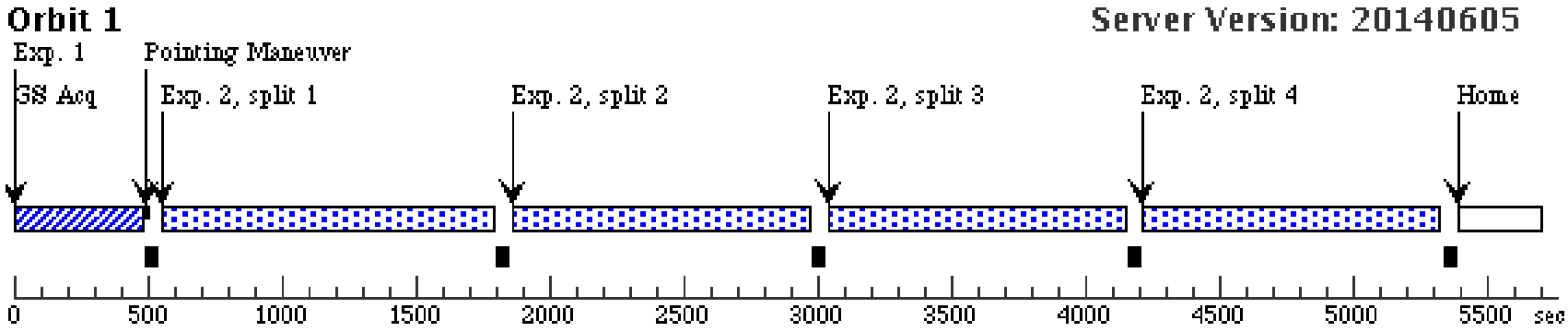
F140LP 13483 JCDB02020
F336W 13483 ICDB78010

COS/NUV full = 1.6549e-15 cgs/AA
COS/NUV ACQ = 1.9334e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.659691)	(4) SDSS-J172823.84+573243.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA		GS ACQ SCENARIO BASE1B3		44 Secs (44 Secs) *[==>]*	*[1]*
2	(COS.sp.659692)	(4) SDSS-J172823.84+573243.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3344			1055 Secs (4220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS05 (05), scheduling Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SDSS-J110501.98+594103.5 Alt Name1: ELARS05	RA: 11 05 1.9944 (166.2583100d) Dec: +59 41 3.53 (59.68431d) Equinox: J2000		V=15.10 log(LFUV/Lsun) = 9.963	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry
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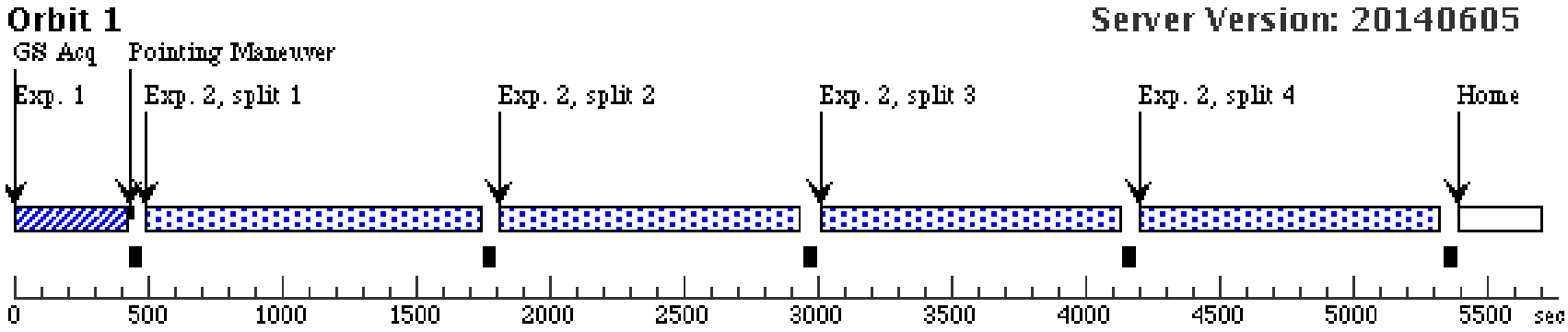
F140LP 13483 JCDB03020
F336W 13483 ICDB60010

COS/NUV full = 1.0353e-15 cgs/AA
COS/NUV ACQ = 5.9699e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620469)	(5) SDSS-J110501.98+594103.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				14 Secs (14 Secs) *[==>]*	*[1]*
2	(COS.sp.620472)	(5) SDSS-J110501.98+594103.5	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3652			1070 Secs (4280 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS06 (06), scheduling Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	SDSS-J115840.58+645753.0 Alt Name1: ELARS06	RA: 11 58 40.6224 (179.6692600d) Dec: +64 57 50.78 (64.96411d) Equinox: J2000		V=16.30 log(LFUV/Lsun) = 9.657	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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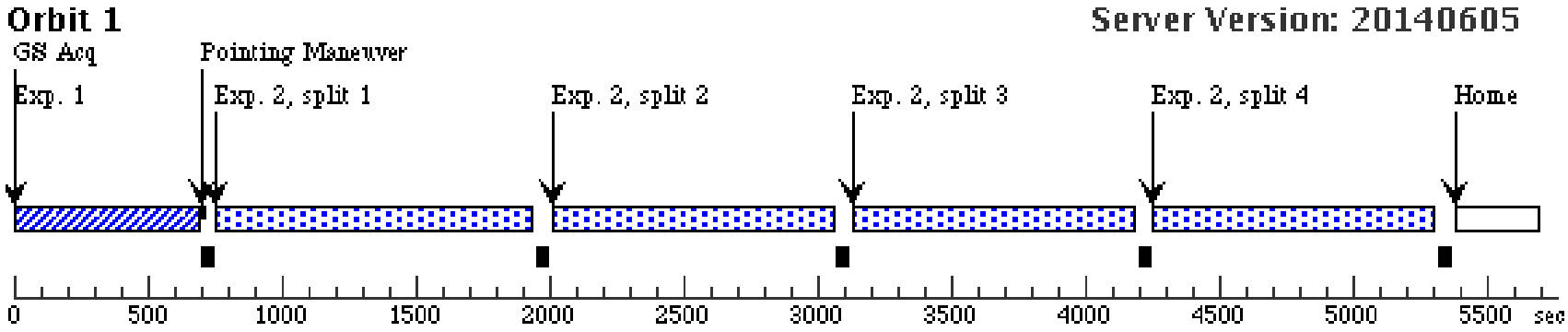
F140LP 13483 JCDB04020
F336W 13483 ICDB61010

COS/NUV full = 2.3637e-16 cgs/AA
COS/NUV ACQ = 5.8243e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620460)	(6) SDSS-J115840.58+645753.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				146 Secs (146 Secs) *[==>]*	*[1]*
2	(COS.sp.620462)	(6) SDSS-J115840.58+645753.0	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4131			1000 Secs (4000 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS07 (07), implementation Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	SDSS-J101242.97+613302.8 Alt Name1: ELARS07	RA: 10 12 42.9990 (153.1791625d) Dec: +61 33 2.73 (61.55076d) Equinox: J2000		V=17.00 log(LFUV/Lsun) = 9.572	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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F140LP 13483 JCDB05020

F336W 13483 ICDB62010

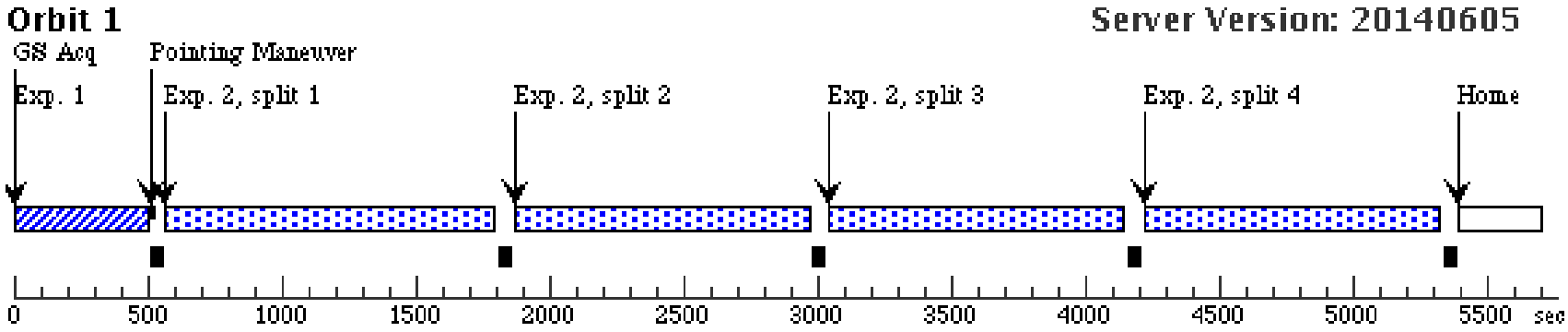
COS/NUV full = 6.2077e-16 cgs/AA

COS/NUV ACQ = 1.7235e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.644729)	(7) SDSS-J101242.97+613302.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				50 Secs (50 Secs) *[==>]*	*[1]*
2	(COS.sp.644730)	(7) SDSS-J101242.97+613302.8	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3686			1052 Secs (4208 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS08 (08), implementation Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	SDSS-J103020.91+611549.3 Alt Name1: ELARS08	RA: 10 30 20.9140 (157.5871417d) Dec: +61 15 49.20 (61.26367d) Equinox: J2000		V=15.30 log(LFUV/Lsun) = 9.546	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry
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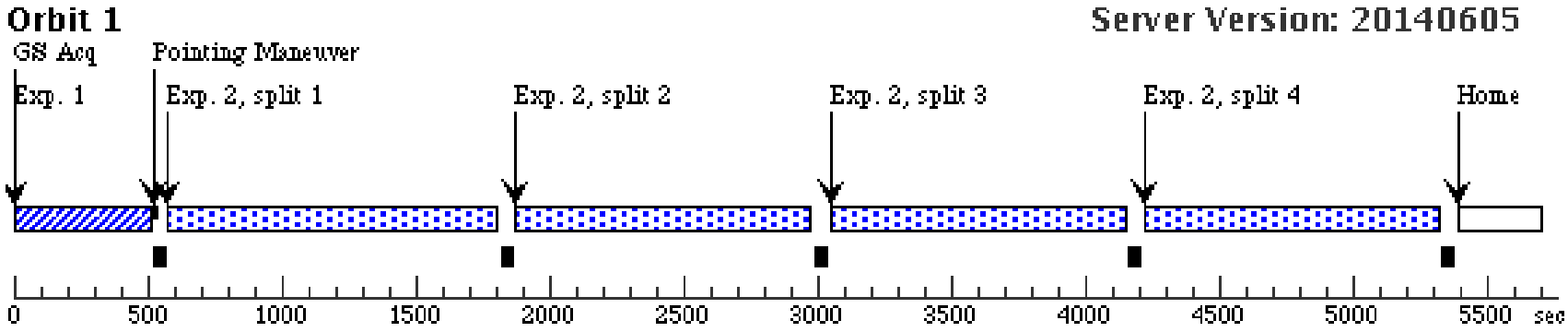
F140LP 13483 JCDB06020
F336W 13483 ICDB63010

COS/NUV full = 5.091e-16 cgs/AA
COS/NUV ACQ = 1.4866e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.644734)	(8) SDSS-J103020.91+611549.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				56 Secs (56 Secs) *[==>]*	*[1]*
2	(COS.sp.644735)	(8) SDSS-J103020.91+611549.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4027			1048 Secs (4192 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS09 (09), scheduling Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	SDSS-J132734.70+664516.6 Alt Name1: ELARS09	RA: 13 27 34.7400 (201.8947500d) Dec: +66 45 16.42 (66.75456d) Equinox: J2000		V=16.10 log(LFUV/Lsun) = 9.542	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry
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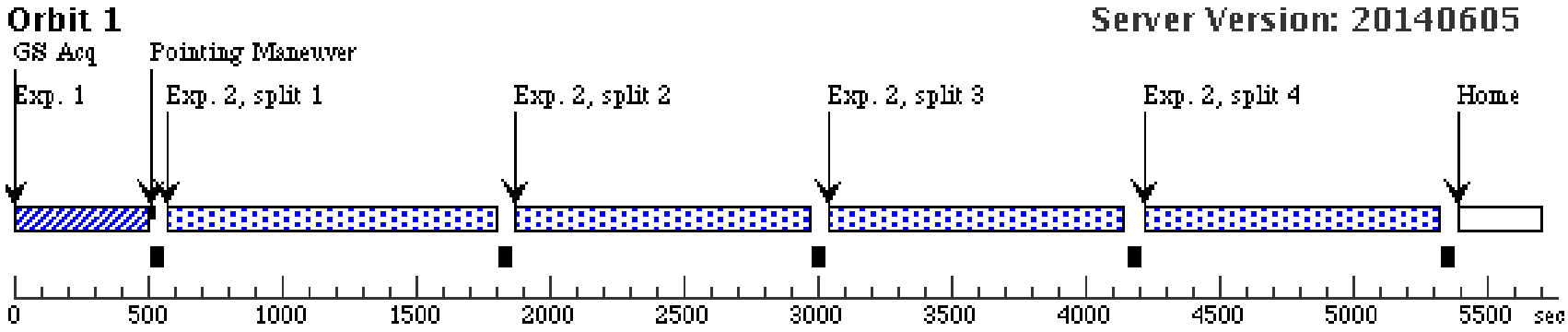
F140LP 13483 JCDB07020
F336W 13483 ICDB64010

COS/NUV full = 1.3304e-15 cgs/AA
COS/NUV ACQ = 1.6273e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620453)	(9) SDSS-J132734.70+664516.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				52 Secs (52 Secs) *[==>]*	*[1]*
2	(COS.sp.620455)	(9) SDSS-J132734.70+664516.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3248			1050 Secs (4200 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS10 (10), scheduling Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	SDSS-J110504.41+593957.3 Alt Name1: ELARS10	RA: 11 05 4.4688 (166.2686200d) Dec: +59 39 57.34 (59.66593d) Equinox: J2000		V=15.90 log(LFUV/Lsun) = 9.532	Reference Frame: ICRS

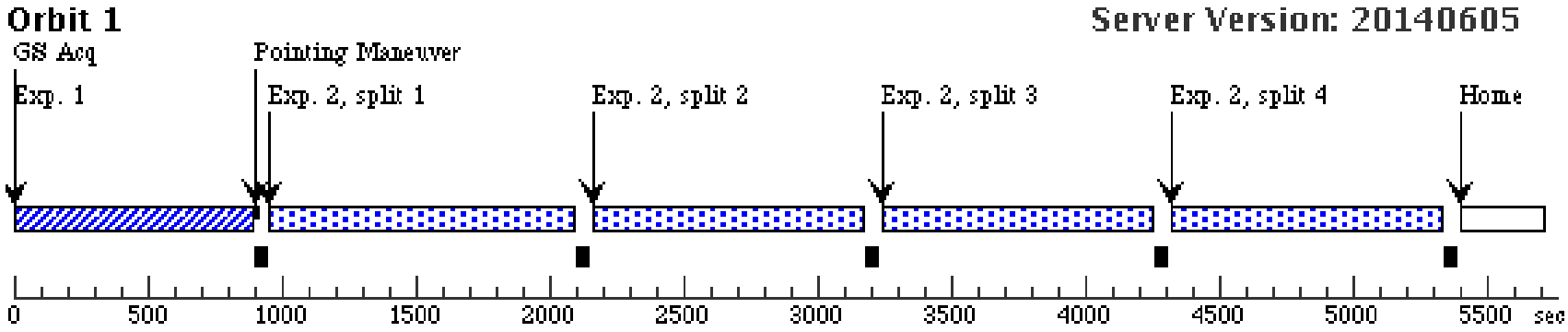
Comments: HST Imaging Datasets for Photometry
.....
F140LP 13483 JCDB08020
F336W 13483 ICDB65010

COS/NUV full = 2.524e-16 cgs/AA
COS/NUV ACQ = 3.4114e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620449)	(10) SDSS-J110504.41+593957.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				245 Secs (245 Secs) *[==>]*	*[1]*
2	(COS.sp.620451)	(10) SDSS-J110504.41+593957.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4160			955 Secs (3820 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS11 (11), completed Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	SDSS-J092715.48+583654.4 Alt Name1: ELARS11	RA: 09 27 15.4790 (141.8144958d) Dec: +58 36 54.51 (58.61514d) Equinox: J2000		V=15.90 log(LFUV/Lsun) = 9.511	Reference Frame: ICRS

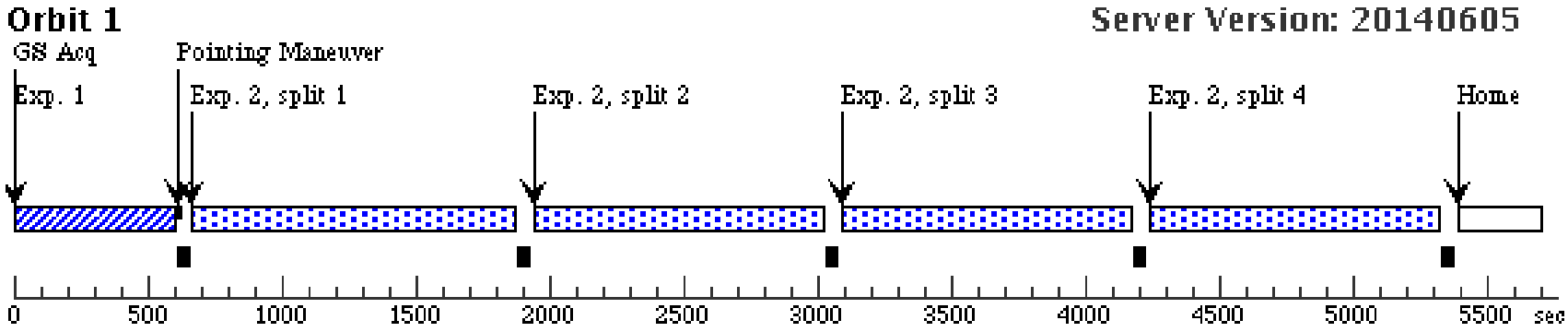
Comments: HST Imaging Datasets for Photometry
.....
F140LP 13483 JCDB09020
F336W 13483 ICDB66010

COS/NUV full = 6.5463e-16 cgs/AA
COS/NUV ACQ = 8.2701e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.644748)	(11) SDSS-J092715.48+583654.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				100 Secs (100 Secs) *[==>]*	*[1]*
2	(COS.sp.644749)	(11) SDSS-J092715.48+583654.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3836			1025 Secs (4100 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS12 (12), scheduling Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	SDSS-J130607.16+591302.4 Alt Name1: ELARS12	RA: 13 06 6.9630 (196.5290125d) Dec: +59 13 2.52 (59.21737d) Equinox: J2000		V=15.60 log(LFUV/Lsun) = 9.472	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

.....

F140LP 13483 JCDB10020

F336W 13483 ICDB67010

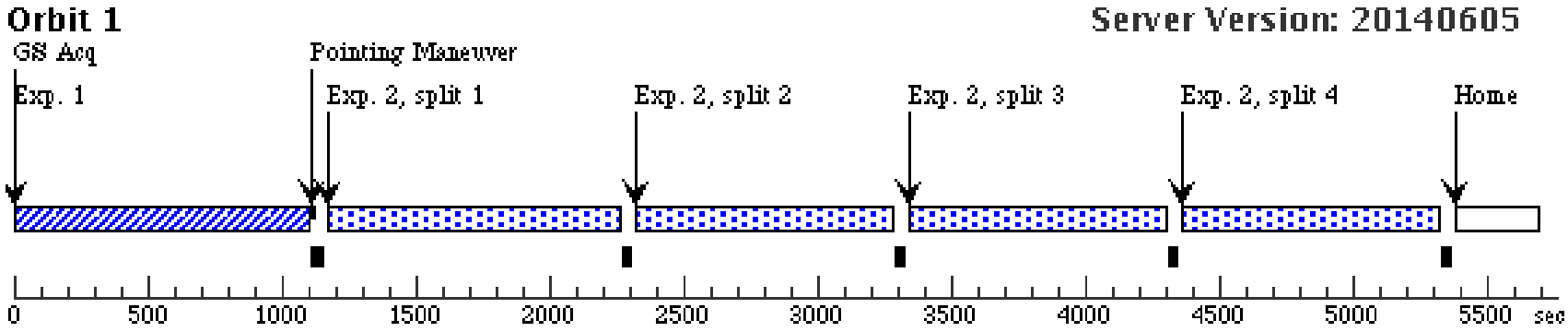
COS/NUV full = 3.0154e-16 cgs/AA

COS/NUV ACQ = 2.2438e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.655248)	(12) SDSS-J130607.16+591302.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				354 Secs (354 Secs) *[==>]*	*[1]*
2	(COS.sp.655250)	(12) SDSS-J130607.16+591302.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4205			905 Secs (3620 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS13 (13), scheduling Fri Feb 06 02:03:55 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	SDSS-J105100.65+655940.5 Alt Name1: ELARS13	RA: 10 51 0.6624 (162.7527600d) Dec: +65 59 40.49 (65.99458d) Equinox: J2000		V=17.10 log(LFUV/Lsun) = 9.448	Reference Frame: ICRS

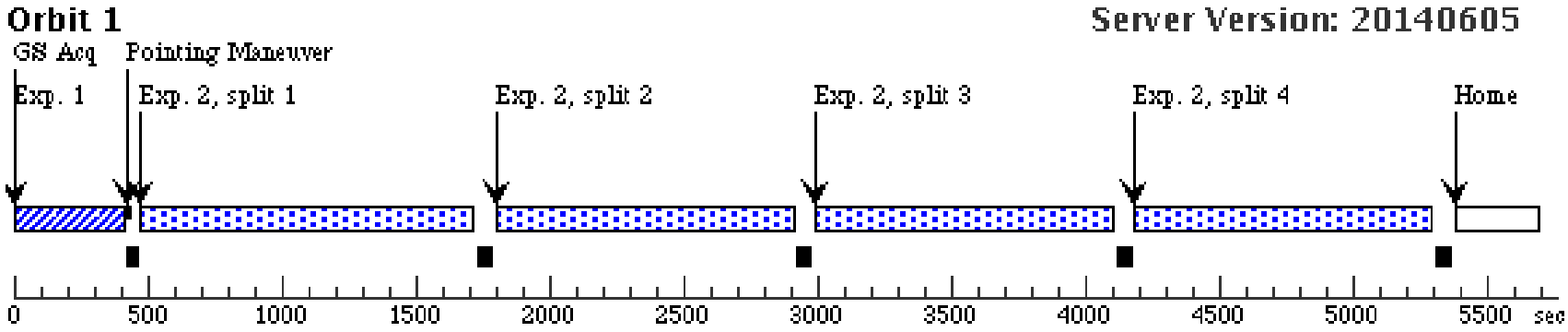
Comments: HST Imaging Datasets for Photometry
.....
F140LP 13483 JCDB11020
F336W 13483 ICDB68010

COS/NUV full = 1.9369e-15 cgs/AA
COS/NUV ACQ = 1.469e-15 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620424)	(13) SDSS-J105100.65+655940.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				6 Secs (6 Secs) *[==>]*	*[1]*
2	(COS.sp.620425)	(13) SDSS-J105100.65+655940.5	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=2859			1060 Secs (4240 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS14 (14), scheduling Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	SDSS-J112722.07+604454.1 Alt Name1: ELARS14	RA: 11 27 21.9480 (171.8414500d) Dec: +60 44 52.76 (60.74799d) Equinox: J2000		V=16.80 log(LFUV/Lsun) = 9.345	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

.....

F140LP 13483 JCDB12020

F336W 13483 ICDB69010

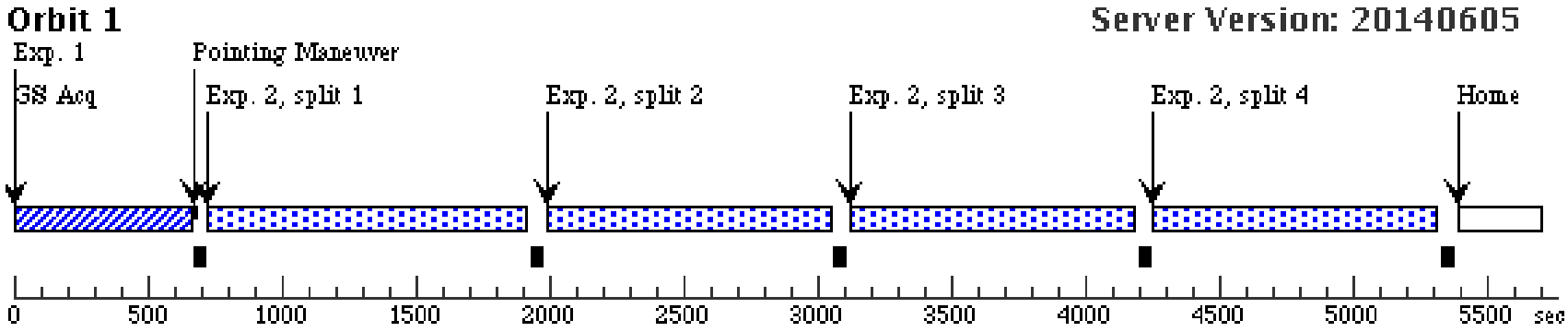
COS/NUV full = 5.1559e-16 cgs/AA

COS/NUV ACQ = 6.5124e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620416)	(14) SDSS-J112722.07+604454.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				131 Secs (131 Secs) *[==>]*	*[1]*
2	(COS.sp.620417)	(14) SDSS-J112722.07+604454.1	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3871			1010 Secs (4040 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS15 (15), completed Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	SDSS-J134437.82+611424.3 Alt Name1: ELARS15	RA: 13 44 37.8360 (206.1576500d) Dec: +61 14 24.42 (61.24012d) Equinox: J2000		V=16.00 log(LFUV/Lsun) = 9.365	Reference Frame: ICRS

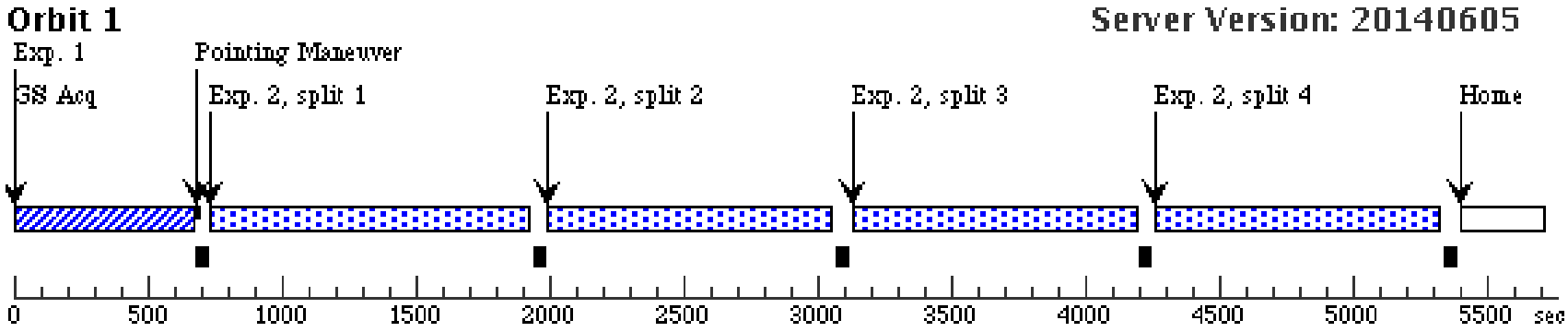
Comments: HST Imaging Datasets for Photometry
.....
F140LP 13483 JCDB13020
F336W 13483 ICDB70010

COS/NUV full = 3.3331e-16 cgs/AA
COS/NUV ACQ = 6.2011e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620401)	(15) SDSS-J134437.82+611424.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				135 Secs (135 Secs) *[==>]*	*[1]*
2	(COS.sp.620407)	(15) SDSS-J134437.82+611424.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4113			1010 Secs (4040 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS16 (16), completed Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	SDSS-J135209.13+560631.4 Alt Name1: ELARS16	RA: 13 52 9.1488 (208.0381200d) Dec: +56 06 31.44 (56.10873d) Equinox: J2000		V=16.70 log(LFUV/Lsun) = 9.310	Reference Frame: ICRS

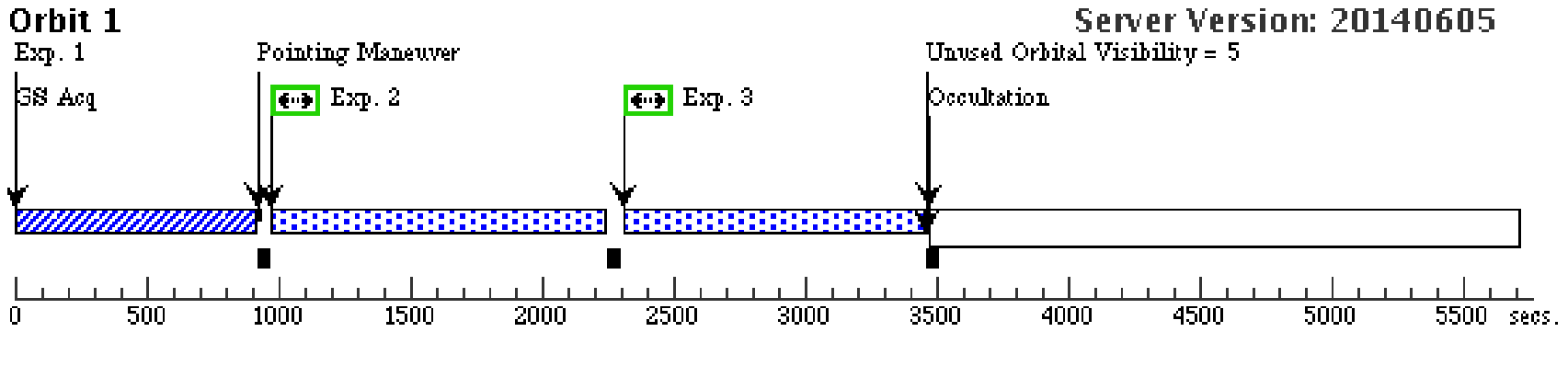
Comments: HST Imaging Datasets for Photometry
.....
F140LP 13483 JCDB14020
F336W 13483 ICDB71010

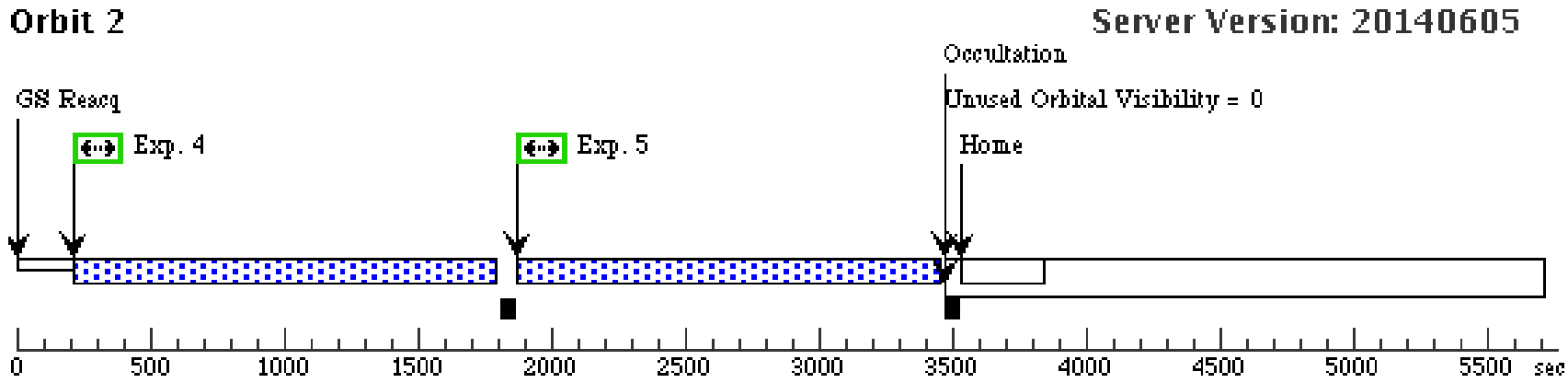
COS/NUV full = 1.8941e-16 cgs/AA
COS/NUV ACQ = 3.3181e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620383)	(16) SDSS-J135209.13+560631.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				255 Secs (255 Secs) *[==>]*	*[1]*
2	(COS.sp.620387)	(16) SDSS-J135209.13+560631.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=1; FLASH=YES; BUFFER-TIME=4199			1085 Secs (1085 Secs) *[==>]*	*[1]*
3	(COS.sp.620387)	(16) SDSS-J135209.13+560631.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=2; FLASH=YES; BUFFER-TIME=4199			1085 Secs (1085 Secs) *[==>]*	*[1]*
4	(COS.sp.620389)	(16) SDSS-J135209.13+560631.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; FLASH=YES; BUFFER-TIME=4199			1525 Secs (1525 Secs) *[==>]*	*[2]*
5	(COS.sp.620389)	(16) SDSS-J135209.13+560631.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=4; FLASH=YES; BUFFER-TIME=4199			1525 Secs (1525 Secs) *[==>]*	*[2]*

Orbit Structure





Visit

Proposal 13654, eLARS17 (17), completed Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(17)	SDSS-J102656.29+584941.6 Alt Name1: ELARS17	RA: 10 26 56.1408 (156.7339200d) Dec: +58 49 41.44 (58.82818d) Equinox: J2000		V=16.50 log(LFUV/Lsun) = 9.221	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

.....

F140LP 13483 JCDB15020

F336W 13483 ICDB72010

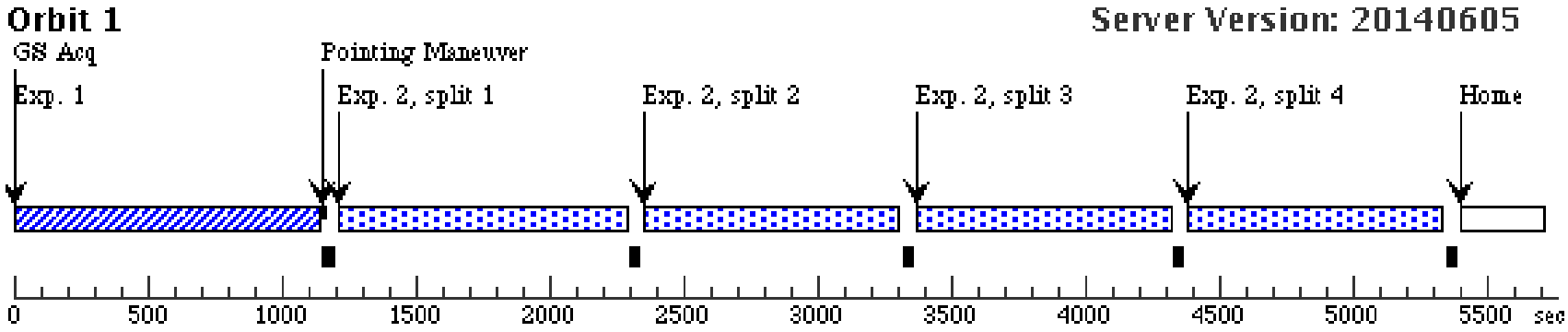
COS/NUV full = 1.6431e-16 cgs/AA

COS/NUV ACQ = 2.3122e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620377)	(17) SDSS-J102656.29+584941.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				373 Secs (373 Secs) *[==>]*	*[1]*
2	(COS.sp.620381)	(17) SDSS-J102656.29+584941.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4204			900 Secs (3600 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS18 (18), implementation Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)	SDSS-J152053.59+571122.1 Alt Name1: ELARS18	RA: 15 20 53.6610 (230.2235875d) Dec: +57 11 22.97 (57.18971d) Equinox: J2000		V=17.30 log(LFUV/Lsun) = 9.010	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

.....

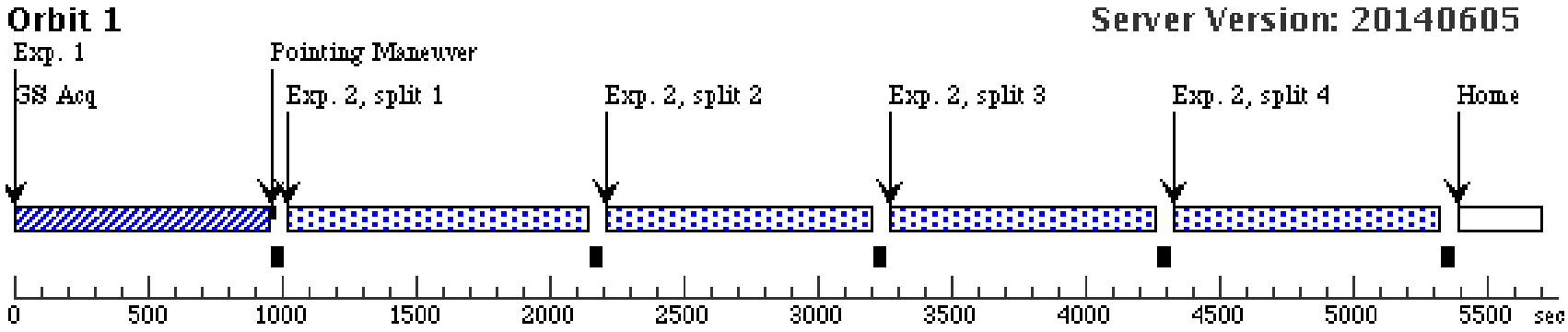
F140LP 13483 JCDB16020
F336W 13483 ICDB73010

COS/NUV full = 1.5992e-16 cgs/AA
COS/NUV ACQ = 3.121e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.644753)	(18) SDSS-J152053.59+571122.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				277 Secs (277 Secs) *[==>]*	*[1]*
2	(COS.sp.644754)	(18) SDSS-J152053.59+571122.1	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4202			938 Secs (3752 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS19 (19), scheduling Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	SDSS-J120506.35+563330.9 Alt Name1: ELARS19	RA: 12 05 6.5136 (181.2771400d) Dec: +56 33 31.95 (56.55888d) Equinox: J2000		V=17.70 log(LFUV/Lsun) = 9.009	Reference Frame: ICRS

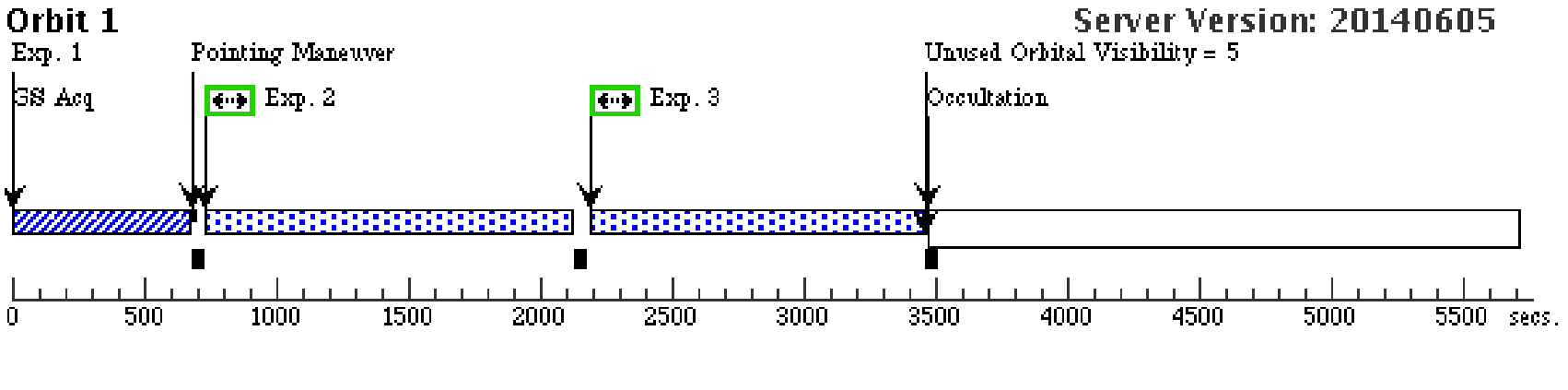
Comments: HST Imaging Datasets for Photometry
.....
F140LP 13483 JCDB17020
F336W 13483 ICDB74010

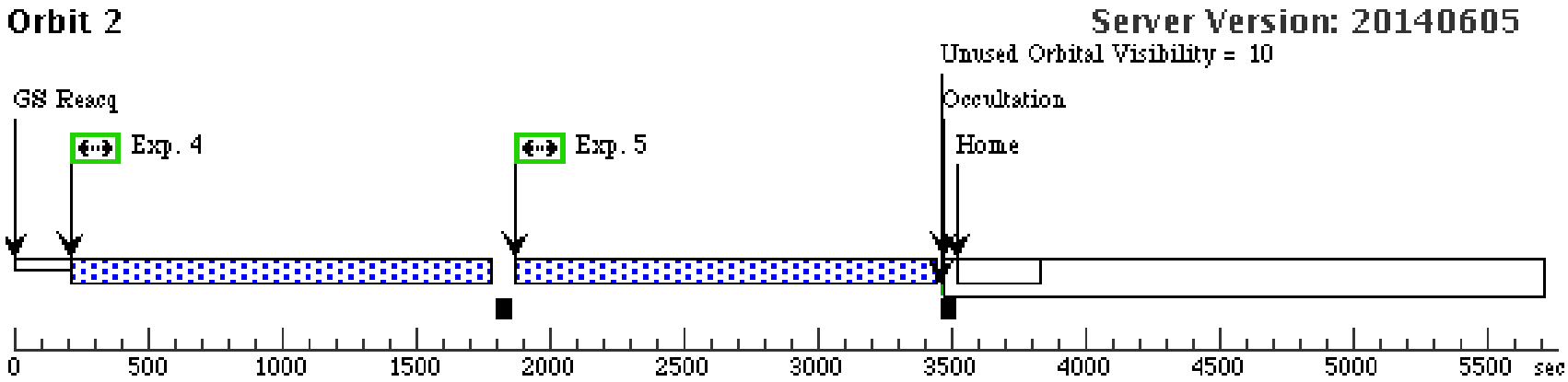
COS/NUV full = 2.8279e-16 cgs/AA
COS/NUV ACQ = 6.3276e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620362)	(19) SDSS-J120506.35+563330.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				135 Secs (135 Secs) *[==>]*	*[1]*
2	(COS.sp.620370)	(19) SDSS-J120506.35+563330.9	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=1; FLASH=YES; BUFFER-TIME=4046			1205 Secs (1205 Secs) *[==>]*	*[1]*
3	(COS.sp.620370)	(19) SDSS-J120506.35+563330.9	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=2; FLASH=YES; BUFFER-TIME=4046			1205 Secs (1205 Secs) *[==>]*	*[1]*
4	(COS.sp.620370)	(19) SDSS-J120506.35+563330.9	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; FLASH=YES; BUFFER-TIME=4046			1520 Secs (1520 Secs) *[==>]*	*[2]*
5	(COS.sp.620370)	(19) SDSS-J120506.35+563330.9	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=4; FLASH=YES; BUFFER-TIME=4046			1520 Secs (1520 Secs) *[==>]*	*[2]*

Orbit Structure





Visit

Proposal 13654, eLARS20 (20), scheduling Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(20)	SDSS-J133858.25+614957.6 Alt Name1: ELARS20	RA: 13 38 58.2456 (204.7426900d) Dec: +61 49 57.29 (61.83258d) Equinox: J2000		V=16.70 log(LFUV/Lsun) = 9.040	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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F140LP 13483 JCDB18020

F336W 13483 ICDB75010

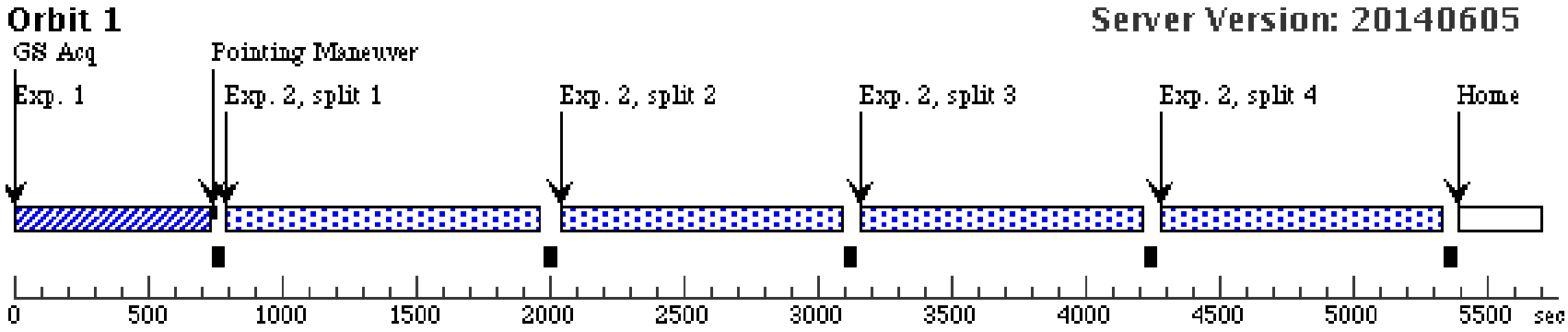
COS/NUV full = 3.4226e-16 cgs/AA

COS/NUV ACQ = 5.1168e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620358)	(20) SDSS-J133858.25+614957.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				166 Secs (166 Secs) *[==>]*	*[1]*
2	(COS.sp.620359)	(20) SDSS-J133858.25+614957.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4053			994 Secs (3976 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS21 (21), completed Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	SDSS-J141911.37+654946.3 Alt Name1: ELARS21	RA: 14 19 11.4024 (214.7975100d) Dec: +65 49 46.16 (65.82949d) Equinox: J2000		V=17.80 log(LFUV/Lsun) = 8.982	Reference Frame: ICRS

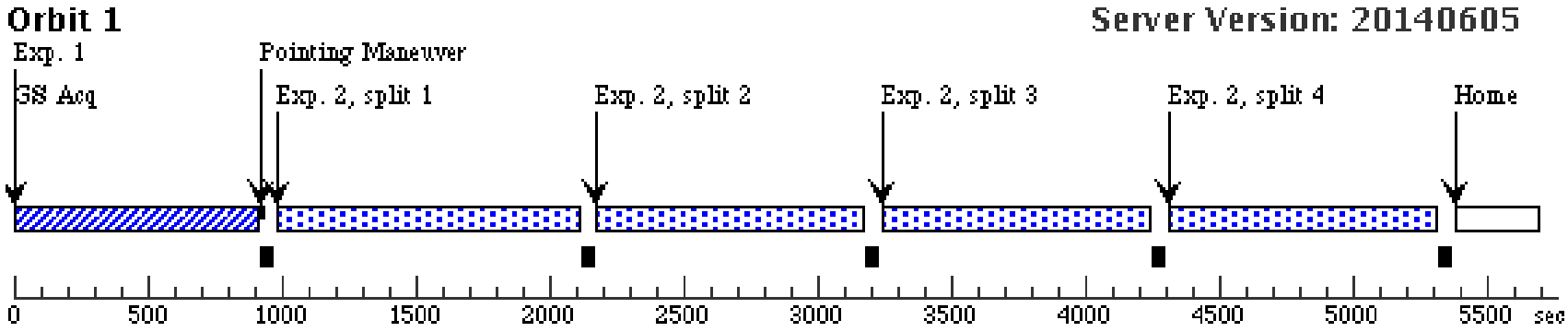
Comments: HST Imaging Datasets for Photometry
.....
F140LP 13483 JCDB19020
F336W 13483 ICDB79010

COS/NUV full = 1.39e-16 cgs/AA
COS/NUV ACQ = 3.3407e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620323)	(21) SDSS-J141911.37+654946.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				257 Secs (257 Secs) *[==>]*	*[1]*
2	(COS.sp.620324)	(21) SDSS-J141911.37+654946.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4198			945 Secs (3780 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS22 (22), scheduled Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(22)	SDSS-J170912.73+604950.0 Alt Name1: ELARS22	RA: 17 09 12.7730 (257.3032208d) Dec: +60 49 49.74 (60.83048d) Equinox: J2000		V=16.50 log(LFUV/Lsun) = 10.065	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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F140LP 13483 JCDB20020

F336W 13483 ICDB80010

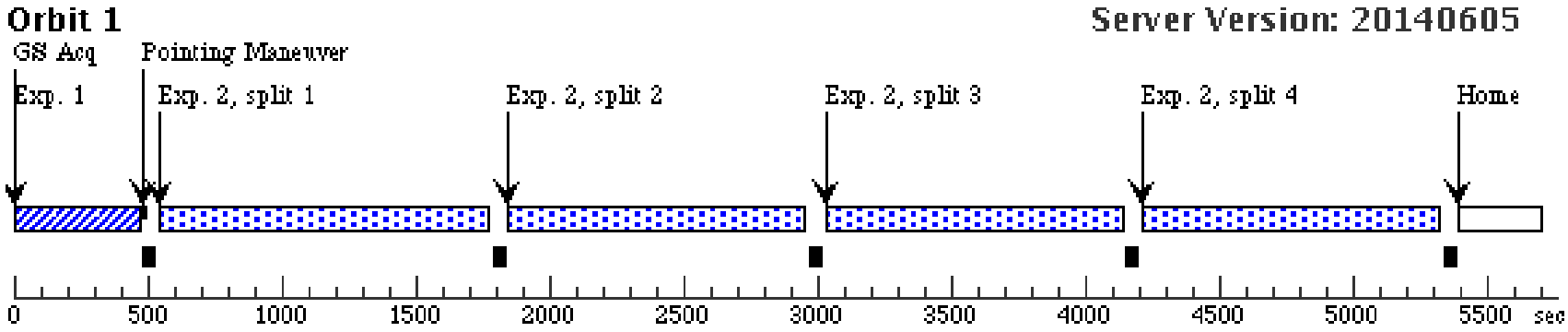
COS/NUV full = 1.1501e-15 cgs/AA

COS/NUV ACQ = 2.2816e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.640989)	(22) SDSS-J170912.73+604950.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				38 Secs (38 Secs) *[==>]*	*[1]*
2	(COS.sp.640990)	(22) SDSS-J170912.73+604950.0	COS/FUV, TIME-TAG, PSA	G130M 1309 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3282			1060 Secs (4240 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS23 (23), completed Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(23)	SDSS-J144827.20+630210.4 Alt Name1: ELARS23	RA: 14 48 27.1800 (222.1132500d) Dec: +63 02 10.61 (63.03628d) Equinox: J2000		V=15.70 log(LFUV/Lsun) = 10.047	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry
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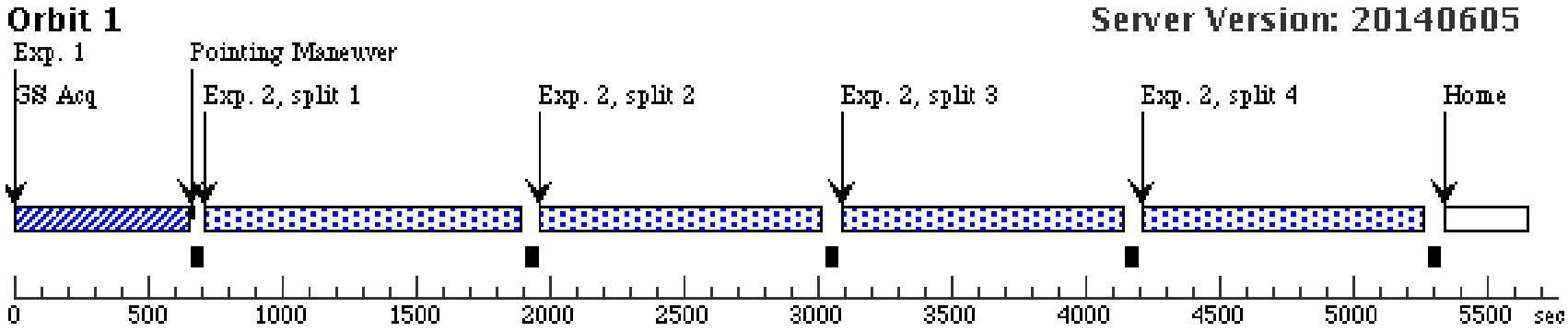
F140LP 13483 JCDB21020
F336W 13483 ICDB89010

COS/NUV full = 2.2688e-16 cgs/AA
COS/NUV ACQ = 6.5088e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620330)	(23) SDSS-J144827.20+630210.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				125 Secs (125 Secs) *[==>]*	*[1]*
2	(COS.sp.620331)	(23) SDSS-J144827.20+630210.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4223			1000 Secs (4000 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS24 (24), scheduled Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(24)	SDSS-J144305.31+611838.6 Alt Name1: ELARS24	RA: 14 43 5.3448 (220.7722700d) Dec: +61 18 39.47 (61.31096d) Equinox: J2000		V=15.40 log(LFUV/Lsun) = 9.966	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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F140LP 13483 JCDB22020

F336W 13483 ICDB81010

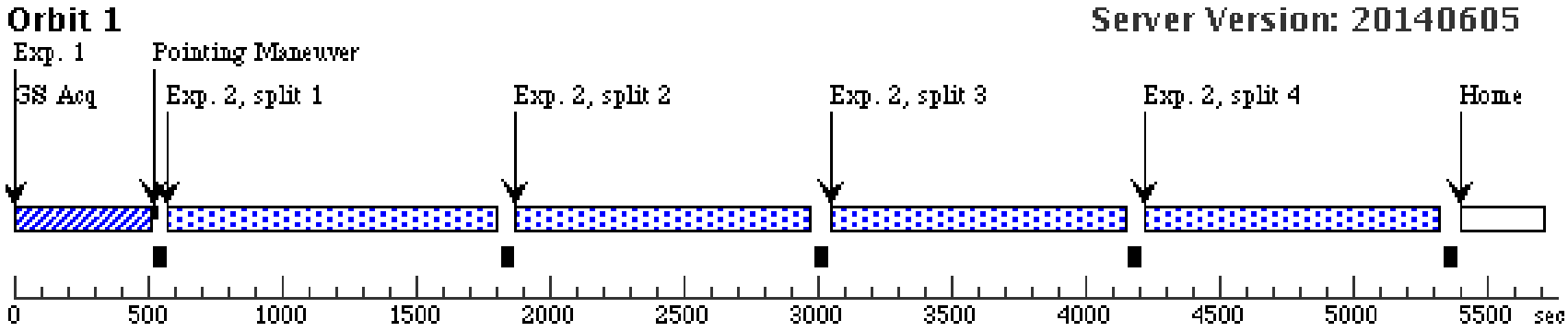
COS/NUV full = 1.1138e-15 cgs/AA

COS/NUV ACQ = 1.5245e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620355)	(24) SDSS-J144305.31+611838.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				55 Secs (55 Secs) *[==>]*	*[1]*
2	(COS.sp.620356)	(24) SDSS-J144305.31+611838.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3574			1050 Secs (4200 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS25 (25), scheduling Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Comments: HST Imaging Datasets for Photometry

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F140LP 13483 JCDB23020
F336W 13483 ICDB84010

COS/NUV full = 3.4485e-16 cgs/AA
COS/NUV ACQ = 1.0958e-16 cgs/AA

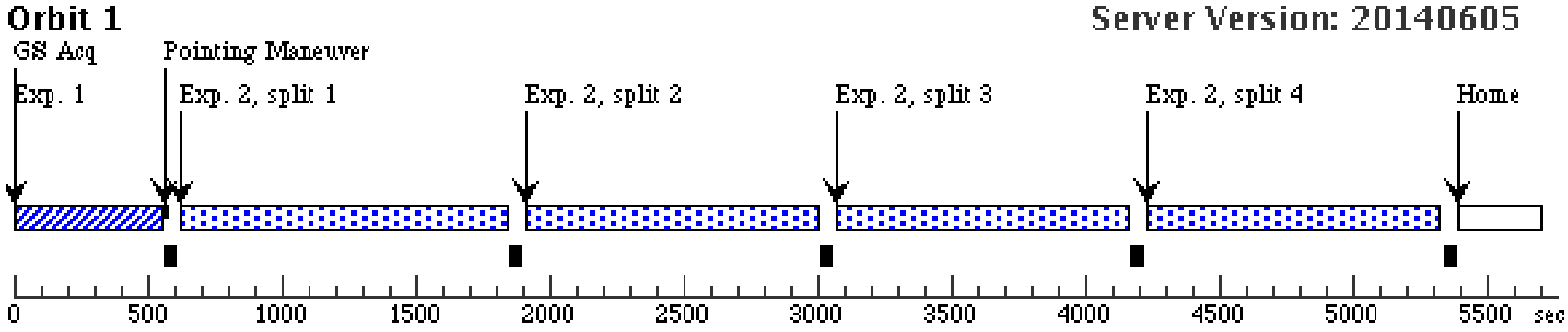
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(25)	SDSS-J101201.93+603720.3 Alt Name1: ELARS25	RA: 10 12 1.9610 (153.0081708d) Dec: +60 37 20.37 (60.62233d) Equinox: J2000		V=16.10 log(LFUV/Lsun) = 9.802	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.644759)	(25) SDSS-J101201.93+603720.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				78 Secs (78 Secs) *[==>]*	*[1]*
2	(COS.sp.644758)	(25) SDSS-J101201.93+603720.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4035			1038 Secs (4152 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS26 (26), scheduled Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(26)	SDSS-J115241.69+661827.2 Alt Name1: ELARS26	RA: 11 52 41.8584 (178.1744100d) Dec: +66 18 26.04 (66.30723d) Equinox: J2000		V=16.10 log(LFUV/Lsun) = 9.706	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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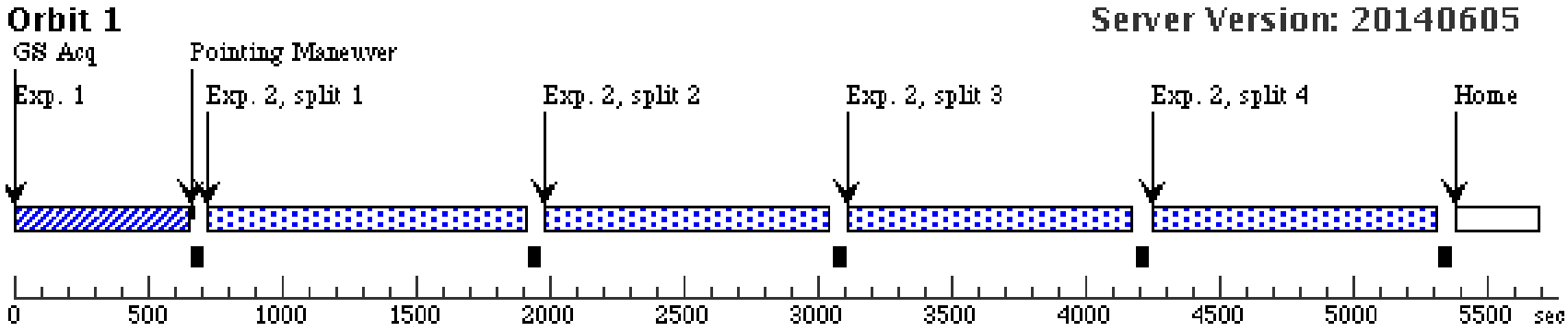
F140LP 13483 JCDB25020
F336W 13483 ICDB86010

COS/NUV full = 1.9918e-16 cgs/AA
COS/NUV ACQ = 6.613e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620312)	(26) SDSS-J115241.69+661827.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				128 Secs (128 Secs) *[==>]*	*[1]*
2	(COS.sp.620313)	(26) SDSS-J115241.69+661827.2	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4172			1010 Secs (4040 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS27 (27), scheduling Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(27)	SDSS-J150247.62+622018.9 Alt Name1: ELARS27	RA: 15 02 47.4936 (225.6978900d) Dec: +62 20 17.60 (62.33822d) Equinox: J2000		V=16.60 log(LFUV/Lsun) = 9.706	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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F140LP 13483 JCDB25020

F336W 13483 ICDB86010

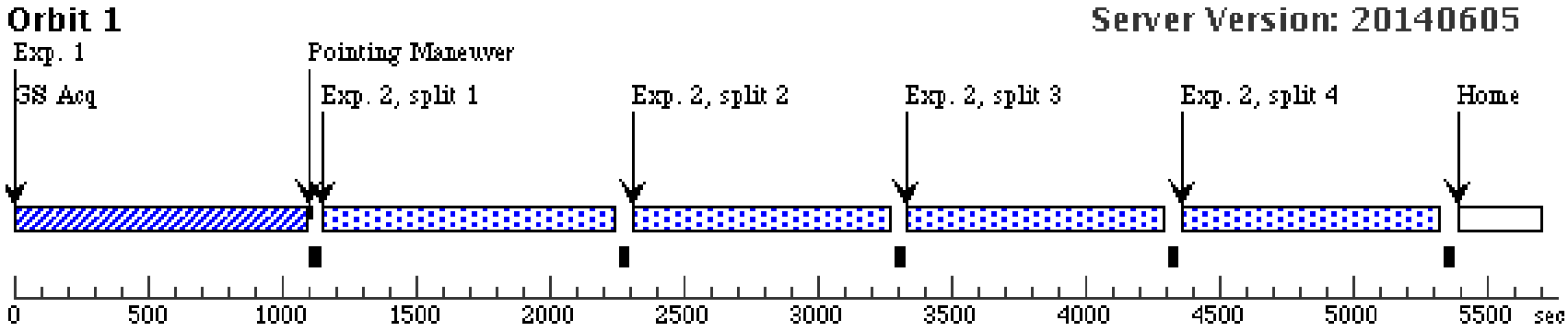
COS/NUV full = 1.2626e-16 cgs/AA

COS/NUV ACQ = 2.4746e-17 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620300)	(27) SDSS-J150247.62+622018.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				345 Secs (345 Secs) *[==>]*	*[1]*
2	(COS.sp.620302)	(27) SDSS-J150247.62+622018.9	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=4241			912 Secs (3648 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13654, eLARS28 (28), scheduling Fri Feb 06 02:03:56 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: CVZ

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(28)	SDSS-J115218.74+585657.0 Alt Name1: ELARS28	RA: 11 52 18.7210 (178.0780042d) Dec: +58 56 57.03 (58.94918d) Equinox: J2000		V=16.10 log(LFUV/Lsun) = 9.683	Reference Frame: ICRS

Comments: HST Imaging Datasets for Photometry

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F140LP 13483 JCDB26020
F336W 13483 ICDB87010

COS/NUV full = 4.2163e-16 cgs/AA
COS/NUV ACQ = 1.057e-16 cgs/AA

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.620263)	(28) SDSS-J115218.74+585657.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				75 Secs (75 Secs) *[==>]*	*[1]*
2	(COS.sp.620267)	(28) SDSS-J115218.74+585657.0	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=3959			1030 Secs (4120 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure