



12982 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Cycle: 20, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) EC1107-42912	COS/FUV	1	07-Feb-2013 02:14:48.0	yes
02	(2) EC19071-7643	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:14:58.0	yes
03	(3) EC19586-3823	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:15:07.0	yes
04	(4) PG2214+184	COS/FUV	1	07-Feb-2013 02:15:15.0	yes
05	(5) HD204076	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:15:24.0	yes
06	(6) EC05438-4741	COS/FUV	1	07-Feb-2013 02:15:34.0	yes
07	(7) EC06387-8045	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:15:41.0	yes

Proposal 12982 (STScI Edit Number: 0, Created: Wednesday, February 6, 2013 9:18:06 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
08	(8) LB3193	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:15:45.0	yes
09	(9) HD86248	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:15:53.0	yes
10	(10) PG0833+699	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:15:59.0	yes
11	(11) EC20485-2420	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:16:04.0	yes
12	(12) EC23169-2235	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:16:10.0	yes
13	(13) HD108230	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:16:17.0	yes
14	(14) EC05515-6107	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:16:24.0	yes
15	(15) PG1205+228	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:16:30.0	yes
16	(16) PG1533+467	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:16:35.0	yes
17	(17) PG0954+049	COS/FUV	1	07-Feb-2013 02:16:42.0	yes
18	(18) HD125924	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:16:49.0	yes
19	(19) EC09452-1403	COS/FUV	1	07-Feb-2013 02:16:56.0	yes
20	(20) PG1212+369	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:17:03.0	yes
21	(21) PG1213+456	COS/FUV	1	07-Feb-2013 02:17:10.0	yes
22	(22) HD341617	COS/FUV	1	07-Feb-2013 02:17:19.0	yes
23	(23) PG2345+241	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:17:28.0	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>
24	(24) HD206144	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:17:35.0	yes
25	(25) HD214080	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:17:42.0	yes
26	(26) EC20011-5005	COS/FUV	1	07-Feb-2013 02:17:50.0	yes
27	(27) EC00358-1516	STIS/CCD STIS/FUV-MAMA	1	07-Feb-2013 02:17:57.0	yes

27 Total Orbits Used

ABSTRACT

With our HST Cycle 17 program we used a novel method to statistically determine the distance to the population of high-velocity clouds (HVCs), fast-moving ionized and neutral gas clouds found at high Galactic latitudes. Based on similar detection rates of HVCs in UV absorption toward stellar and AGN samples, we ruled out several categories of models that place the HVCs beyond the Galactic halo. We demonstrated instead that HVCs are streams of gas in the lower halo of the Milky Way's halo. The mass flux of gas in these streams is likely sufficient to provide for the ongoing star formation in the Milky Way. However, this assumes the gas can make it to the disk, an assumption that may not be valid if numerical simulations of such clouds are to be believed. We now propose an experiment to determine the final evolution of the HVCs, testing whether this gas can make it to the disk to become available for star formation. We propose to obtain high resolution COS/STIS UV spectroscopy of an additional 27 stars at smaller distances ($2 < d < 8$ kpc, $1 < |z| < 4$ kpc) than our previous sample to search for and characterize the high velocity gas in the lower halo. We will determine the covering factor of HVC gas as a function of z-height and bracket the distance of the HVC population. We will determine whether the HVCs are completely disrupted as they fall and incorporated into the coronal gas of the halo or if they survive as neutral or ionized gas to reach the disk. The net result will be an observational constraint on how the Milky Way gets the gas it needs to form stars over billions of years. This survey is only possible because of the high UV sensitivity of STIS and COS.

OBSERVING DESCRIPTION

All the stars in our sample have enough UV fluxes to achieve signal-to-noise $S/N > 15-20$ in 1 HST orbit. This is the minimum S/N required to search for intermediate- and high-velocity clouds (IVCs, HVCs) in absorption and to model the IVC and the HVC. We specifically consider the following species, which drive the setup of the instruments: O I 1302, N I 1199, 1201, CII 1334, Si II 1190, 1193, 1260, 1304, 1526, Fe II 1608, SiIII 1206,

CIV 1548, 1550, SiIV 1393, 1402.

We always favor to achieve the highest resolution once our minimum S/N requirement is met in order to be able to model more straightforwardly and accurately the interstellar absorption profiles. Therefore from the brightest to faintest stars in our sample, we use E140H (0.1x0.03 or 0.2x0.09) with the central wavelengths set to 1271 and 1489, E140M (0.2x0.06, 0.2x0.2), COS G130M/G160M. For COS we use the central wavelengths 1291 and 1589 by default, but if the star is bright enough, we complement those with 1327 and 1577 to have a nearly full coverage of the COS G130M and G160M wavelength and to reduce the fixed pattern noise.

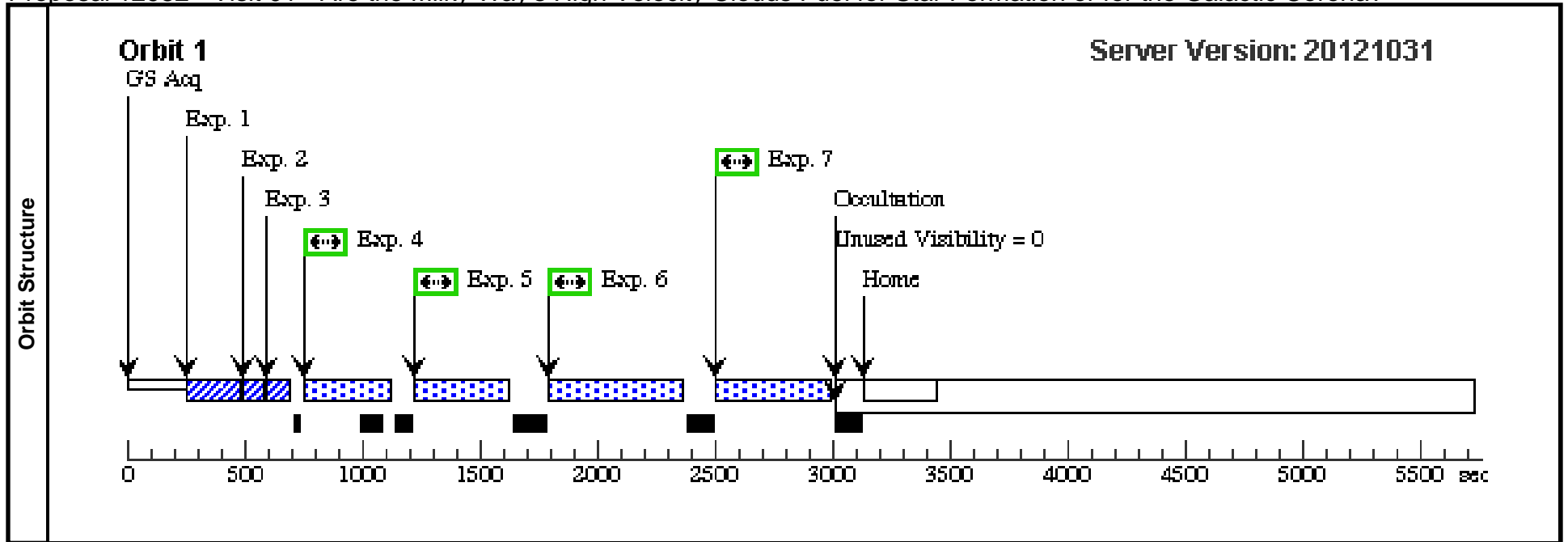
For 16 stars in our sample, we could estimate the UV flux from IUE and/or FUSE. When available we also report the GALEX estimated FUV fluxes estimated from the FUV magnitude. We find a general good agreement within a factor ~ 2 in the UV fluxes estimated from GALEX and IUE, which gives us confidence to use the GALEX fluxes for the stars for which there is no other UV flux information. We also employ the stellar parameters to derive the exposure times. Those estimates are in general in good agreement. However, because of the uncertainty in the fluxes, we favor the highest value of the flux determined from the model and GALEX FUV magnitude for the safety of the instruments.

NB: All the reported magnitudes are B magnitudes except otherwise stated.

Proposal 12982 - Visit 01 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:06 GMT 2013

Visit	Proposal 12982, Visit 01, scheduled Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: PCS MODE FINE; SCHED 100%									
Diagnostics	(Visit 01) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	EC1107-42912	RA: 11 09 51.5040 (167.4646000d) Dec: -29 28 42.33 (-29.47843d) Equinox: J2000		V=13.91 GALEX FUV F = 1e-13 cgs (FU V mag = 14.14)	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(COS.sa.411 732)	(1) EC1107-42912	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; CENTER=FLUX-W T			0.5 Secs [==>]	[1]
	2	(COS.sa.411 732)	(1) EC1107-42912	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				0.5 Secs [==>]	[1]
	3	(COS.sa.411 732)	(1) EC1107-42912	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=1.767			0.5 Secs [==>]	[1]
	4	(COS.sp.411 128)	(1) EC1107-42912	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=20 3; FLASH=YES; FP-POS=3			366 Secs [==>325.0 Secs]	[1]
	5	(COS.sp.411 697)	(1) EC1107-42912	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=20 3; FLASH=YES; FP-POS=3			319 Secs [==>278.0 Secs]	[1]
	6	(COS.sp.411 700)	(1) EC1107-42912	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=36 2; FLASH=YES; FP-POS=3			430 Secs [==>389.0 Secs]	[1]
	7	(COS.sp.411 702)	(1) EC1107-42912	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=36 2; FLASH=YES; FP-POS=3			430 Secs [==>371.0 Secs]	[1]



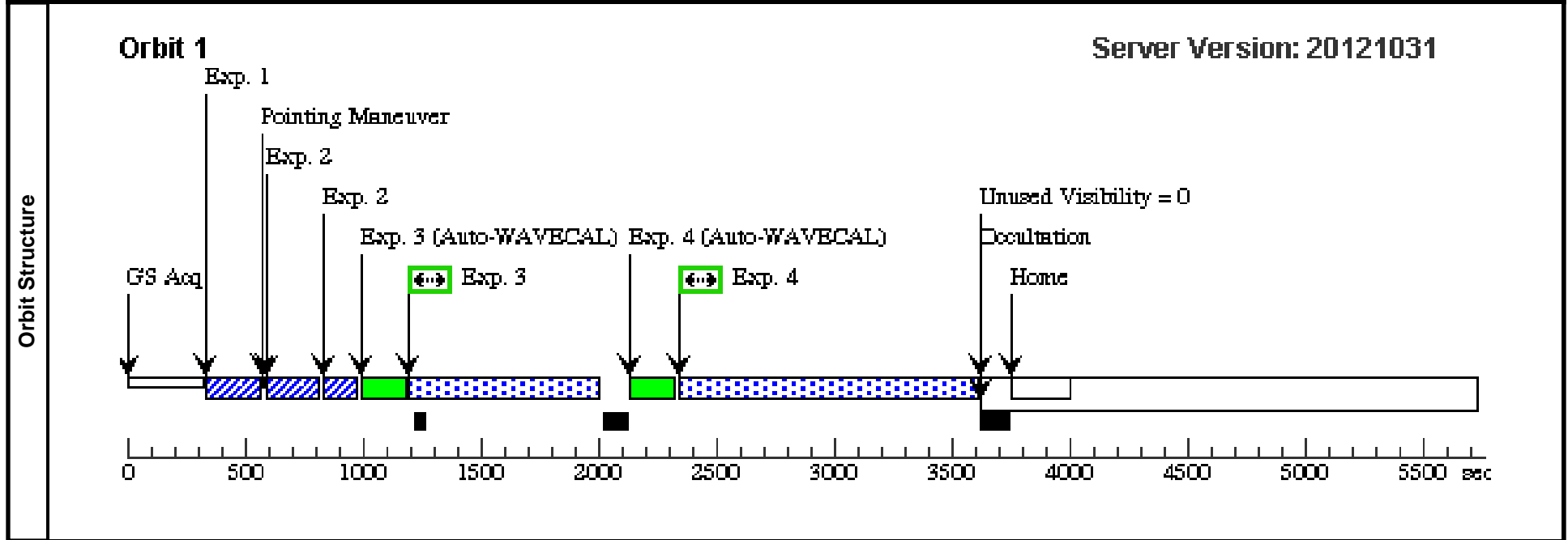
Proposal 12982 - Visit 02 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:08 GMT 2013

Visit	Proposal 12982, Visit 02, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	EC19071-7643	RA: 19 14 10.7248 (288.5446867d) Dec: -76 38 14.20 (-76.63728d) Equinox: J2000		V=10.03	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) EC19071-7643	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2		(2) EC19071-7643	STIS/CCD, ACQ/PEAK, 0.2X0.09	MIRROR				1 Secs [==>]	[1]
	3	(STIS.sp.41 1689)	(2) EC19071-7643	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1271 A				902 Secs [==>798.0 Secs]	[1]
	4	(STIS.sp.41 1143)	(2) EC19071-7643	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1489 A				1356 Secs [==>1252.0 Secs]	[1]



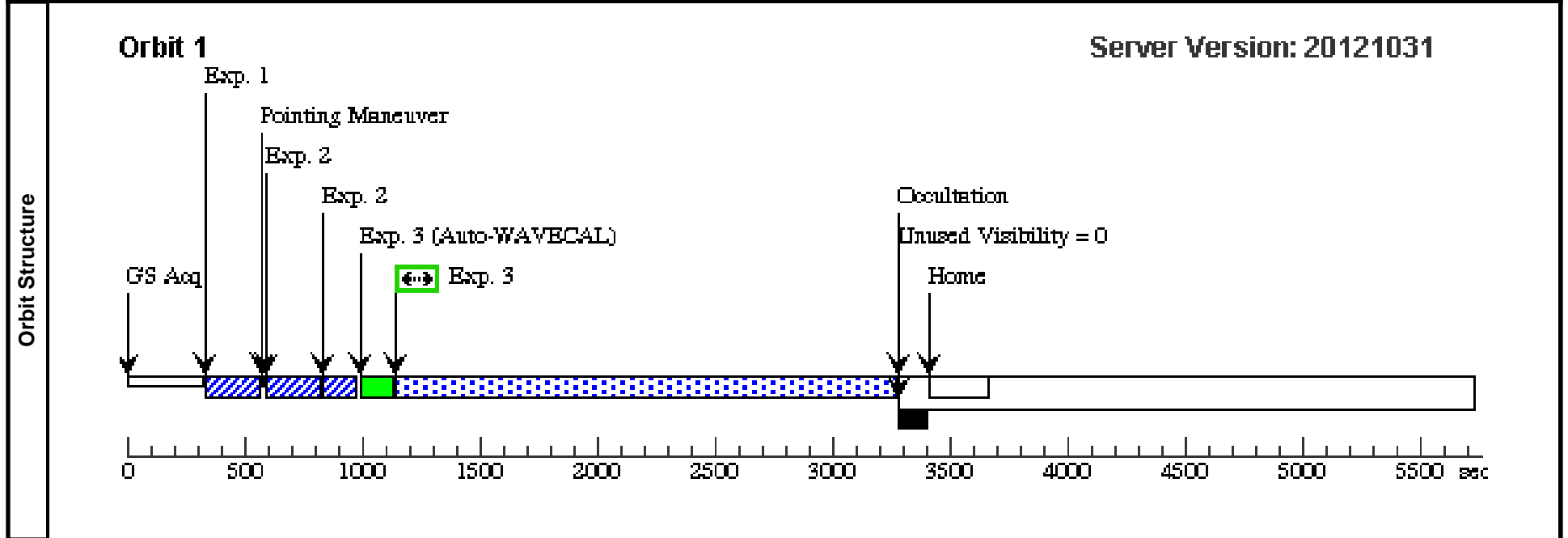
Proposal 12982 - Visit 03 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:09 GMT 2013

Visit	Proposal 12982, Visit 03, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	EC19586-3823	RA: 20 01 58.7963 (300.4949846d) Dec: -38 15 32.50 (-38.25903d) Equinox: J2000		V=10.8	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

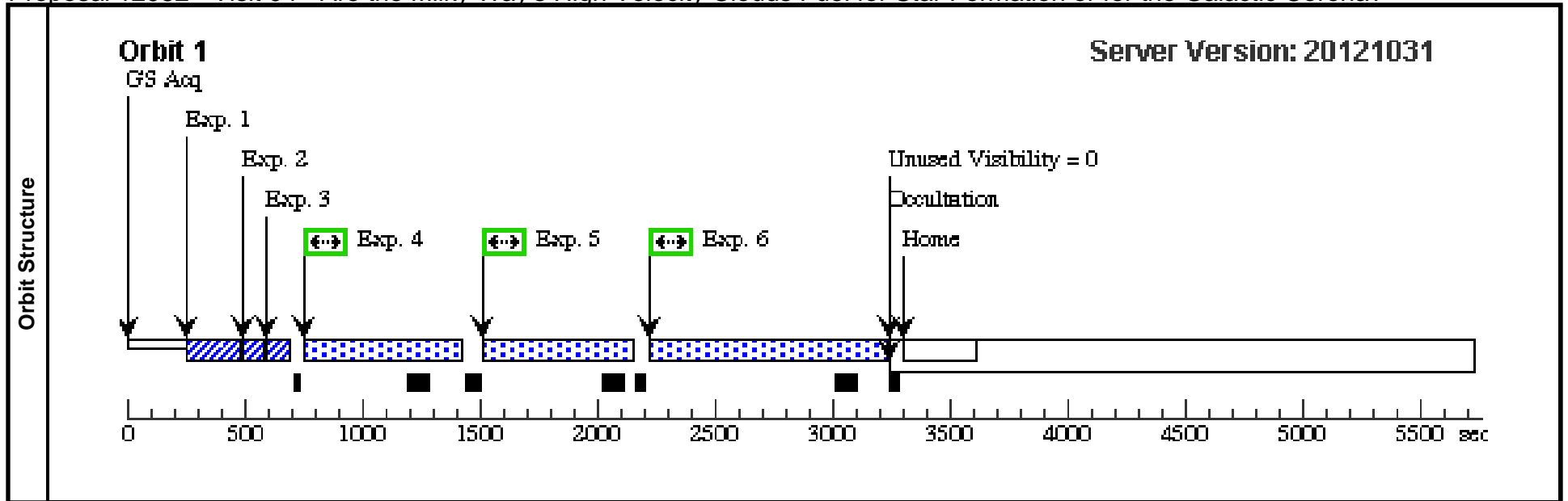
Exposures	#	Label (ETC Run)	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) EC19586-3823	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2		(3) EC19586-3823	STIS/CCD, ACQ/PEAK, 0.2X0.06	MIRROR				1 Secs [==>]	[1]
	3	(STIS.sp.41 1148)	(3) EC19586-3823	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M 1425 A				2111 Secs [==>]	[1]



Proposal 12982 - Visit 04 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:10 GMT 2013

Visit	Proposal 12982, Visit 04, completed Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: PCS MODE FINE									
	(Visit 04) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	PG2214+184	RA: 22 17 4.5400 (334.2689167d) Dec: +18 37 55.00 (18.63194d) Equinox: J2000		V= 13.57 F = 1.0E-13 cgs (IUE)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(COS.sa.411 737)	(4) PG2214+184	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; CENTER=FLUX-W T			0.5 Secs [==>]	[1]
	2	(COS.sa.411 737)	(4) PG2214+184	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				0.5 Secs [==>]	[1]
	3	(COS.sa.411 736)	(4) PG2214+184	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=1.767			0.5 Secs [==>]	[1]
	4	(COS.sp.411 149)	(4) PG2214+184	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 0; FLASH=YES; FP-POS=3			577 Secs [==>622.0 Secs]	[1]
	5	(COS.sp.411 150)	(4) PG2214+184	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=40 0; FLASH=YES; FP-POS=3			470 Secs [==>515.0 Secs]	[1]
	6	(COS.sp.411 151)	(4) PG2214+184	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=62 3; FLASH=YES; FP-POS=3			753 Secs [==>822.0 Secs]	[1]

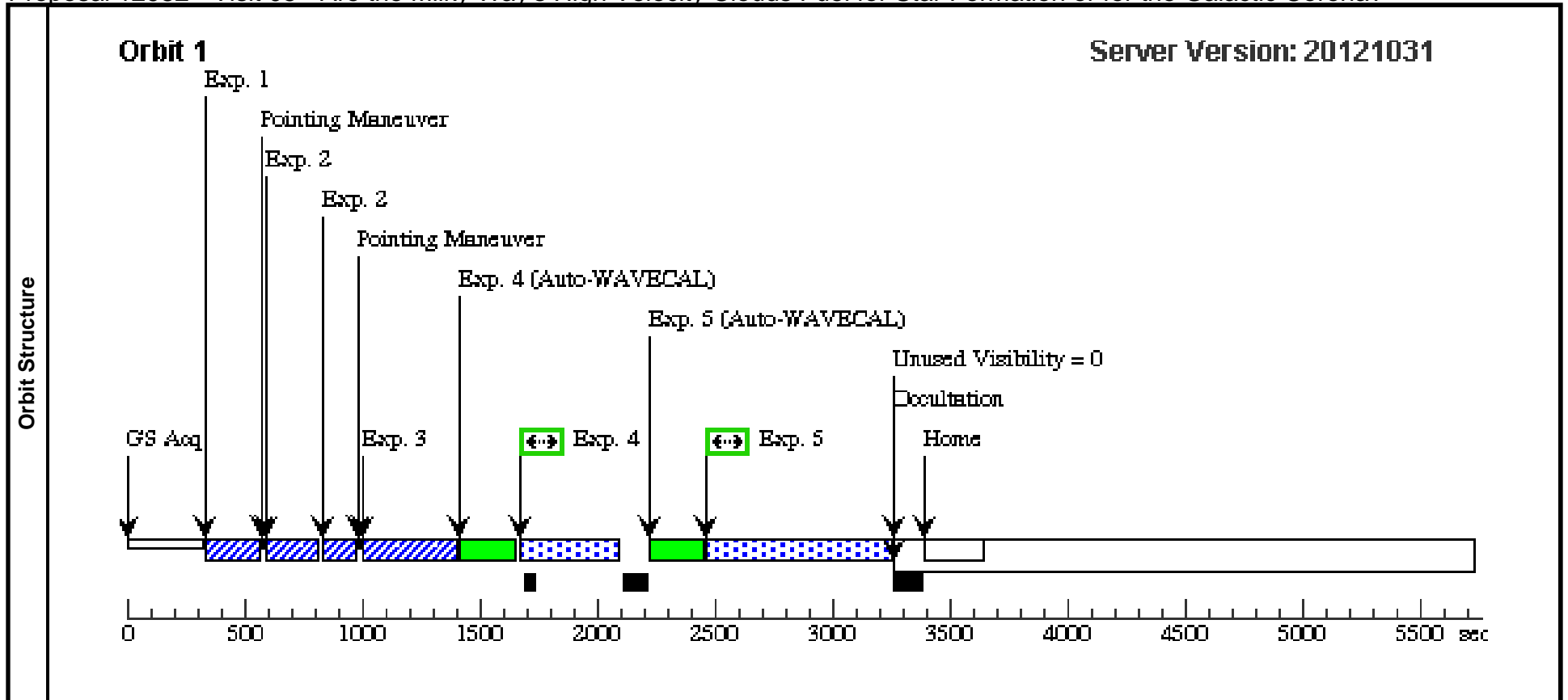


Proposal 12982 - Visit 05 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:11 GMT 2013

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	HD204076	RA: 21 27 1.1099 (321.7546246d) Dec: -31 56 20.50 (-31.93903d) Equinox: J2000		V=8.73 F = 200E-13 cgs (IUE)	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

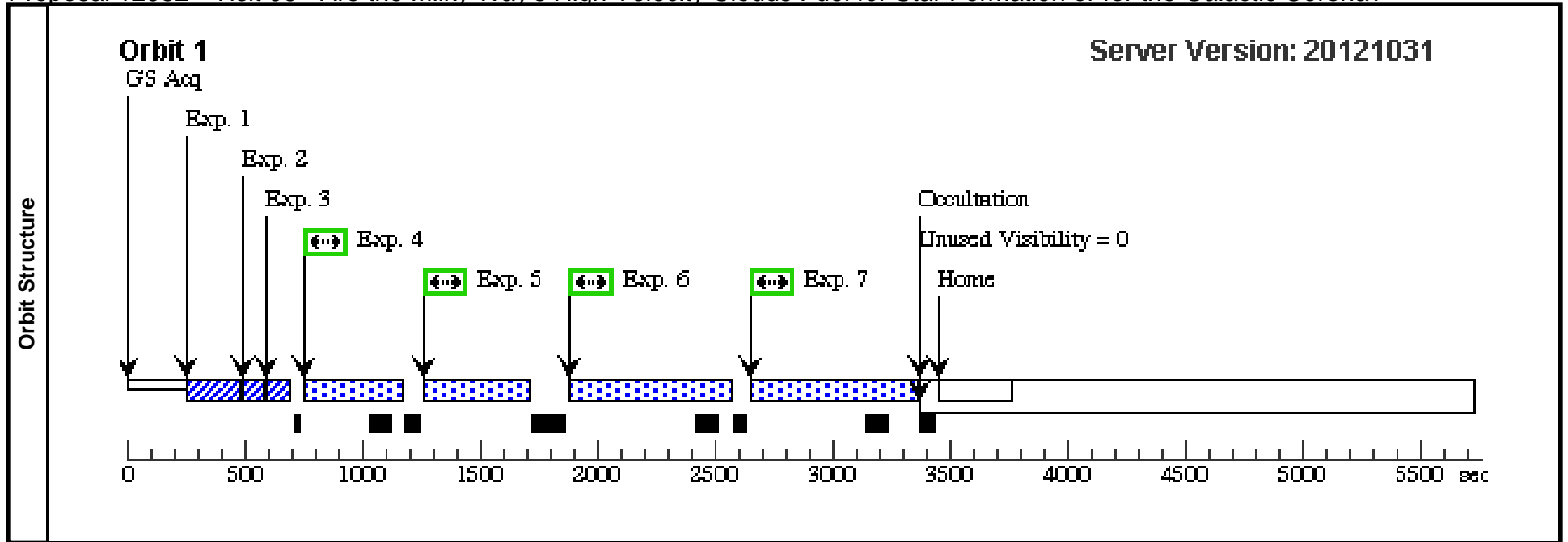
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) HD204076	STIS/CCD, ACQ, F28X50LP	MIRROR					1 Secs [==>]
2		(5) HD204076	STIS/CCD, ACQ/PEAK, 0.2X0.09	MIRROR					1 Secs [==>]	[1]
3		(5) HD204076	STIS/CCD, ACQ/PEAK, 0.1X0.03	MIRROR					1 Secs [==>]	[1]
4	(STIS.sp.41 2209)	(5) HD204076	STIS/FUV-MAMA, ACCUM, 0.1X0.03	E140H 1271 A					407 Secs [==>]	[1]
5	(STIS.sp.41 2211)	(5) HD204076	STIS/FUV-MAMA, ACCUM, 0.1X0.03	E140H 1489 A					770.0 Secs [==>]	[1]



Proposal 12982 - Visit 06 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:12 GMT 2013

Visit	Proposal 12982, Visit 06, scheduling Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: PCS MODE FINE									
	(Visit 06) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	EC05438-4741	RA: 05 45 10.1500 (86.2922917d) Dec: -47 39 51.58 (-47.66433d) Equinox: J2000		V=12.7 GALEX FUV Flux = 1.7e-13 (F) UV mag = 13.62	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(COS.sa.411 738)	(6) EC05438-4741	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; CENTER=FLUX-W T			0.3 Secs [==>]	[1]
	2	(COS.sa.411 738)	(6) EC05438-4741	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				0.3 Secs [==>]	[1]
	3	(COS.sa.411 738)	(6) EC05438-4741	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=1.767			0.3 Secs [==>]	[1]
	4	(COS.sp.411 190)	(6) EC05438-4741	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=25 1; FLASH=YES; FP-POS=3			315 Secs [==>369.0 Secs]	[1]
	5	(COS.sp.411 191)	(6) EC05438-4741	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=24 5; FLASH=YES; FP-POS=3			276 Secs [==>330.0 Secs]	[1]
	6	(COS.sp.411 193)	(6) EC05438-4741	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=37 5; FLASH=YES; FP-POS=3			456 Secs [==>510.0 Secs]	[1]
	7	(COS.sp.411 194)	(6) EC05438-4741	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=38 5; FLASH=YES; FP-POS=3			465 Secs [==>586.0 Secs]	[1]



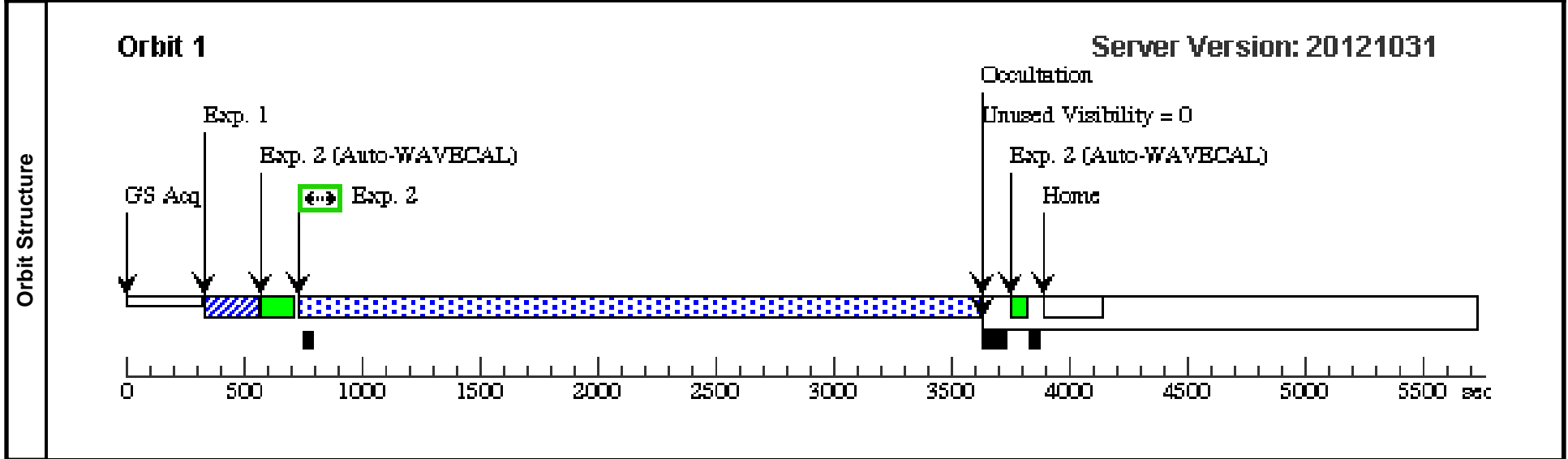
Proposal 12982 - Visit 07 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:13 GMT 2013

Visit	Proposal 12982, Visit 07, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	EC06387-8045	RA: 06 34 30.4387 (98.6268279d) Dec: -80 47 42.80 (-80.79522d) Equinox: J2000		V=11.10 GALEX FLUX = 4.3e-13 cgs (F) UV mag = 12.60	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) EC06387-8045	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2	(STIS.sp.41 1204)	(7) EC06387-8045	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2879.0 Secs [==>]	[1]



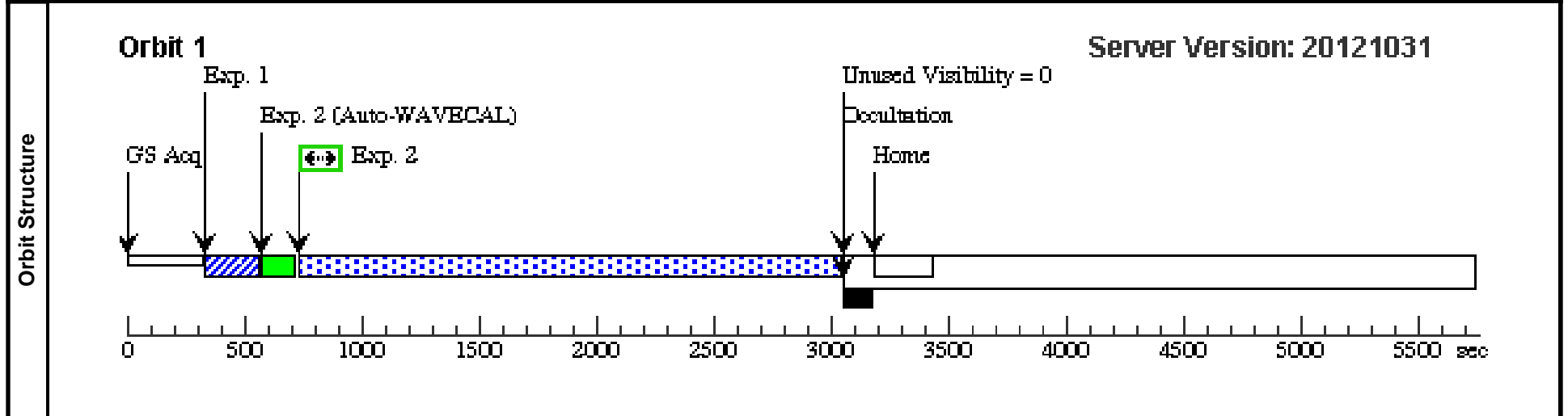
Proposal 12982 - Visit 08 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:14 GMT 2013

Visit	Proposal 12982, Visit 08, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: SCHED 100%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	LB3193	RA: 01 18 53.1300 (19.7213750d) Dec: -61 55 41.10 (-61.92808d) Equinox: J2000		V=12.7 F = 2.9-13 cgs (IUE) (GALEX = 2.5e-13 cgs)	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

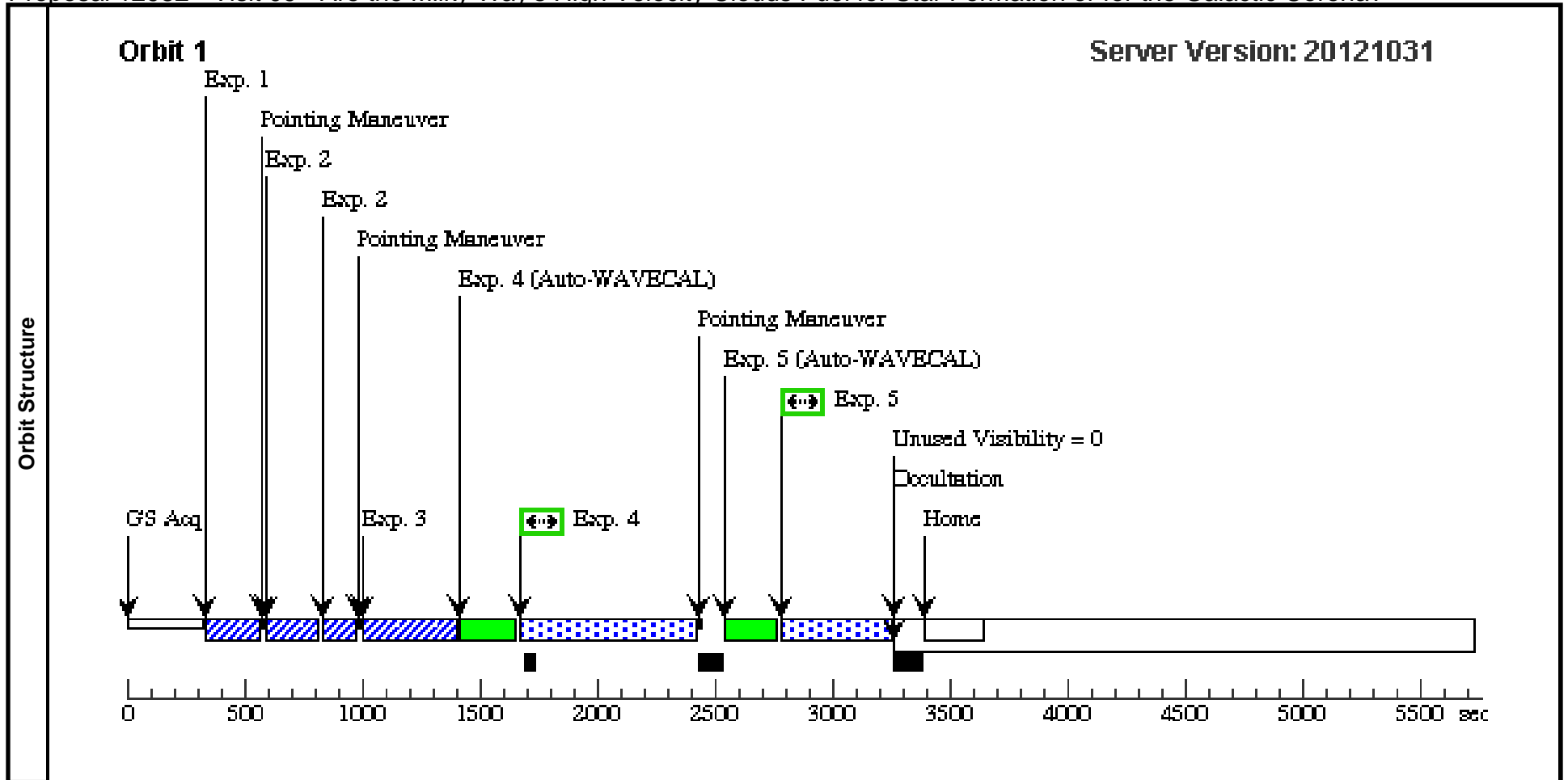
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) LB3193	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [=>]	[1]
	2	(STIS.sp.41 1750)	(8) LB3193	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2290.0 Secs [=>]	[1]



Proposal 12982 - Visit 09 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:15 GMT 2013

Fixed Targets	Visit									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous					
	Proposal 12982, Visit 09, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)									
	(9)	HD86248	RA: 09 56 33.2562 (149.1385675d) Dec: -31 26 31.04 (-31.44196d) Equinox: J2000	V=9.41 F = 130E-13 cgs (IUE)	Reference Frame: ICRS					
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) HD86248	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs	
									[==>]	[1]
	2		(9) HD86248	STIS/CCD, ACQ/PEAK, 0.2X0.09	MIRROR				1 Secs	
									[==>]	[1]
	3		(9) HD86248	STIS/CCD, ACQ/PEAK, 0.1X0.03	MIRROR				1 Secs	
									[==>]	[1]
4	(STIS.sp.41 2221)	(9) HD86248	STIS/FUV-MAMA, ACCUM, 0.1X0.03	E140H 1271 A				730 Secs		
								[==>]	[1]	
5	(STIS.sp.41 2220)	(9) HD86248	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1489 A				450 Secs		
								[==>]	[1]	



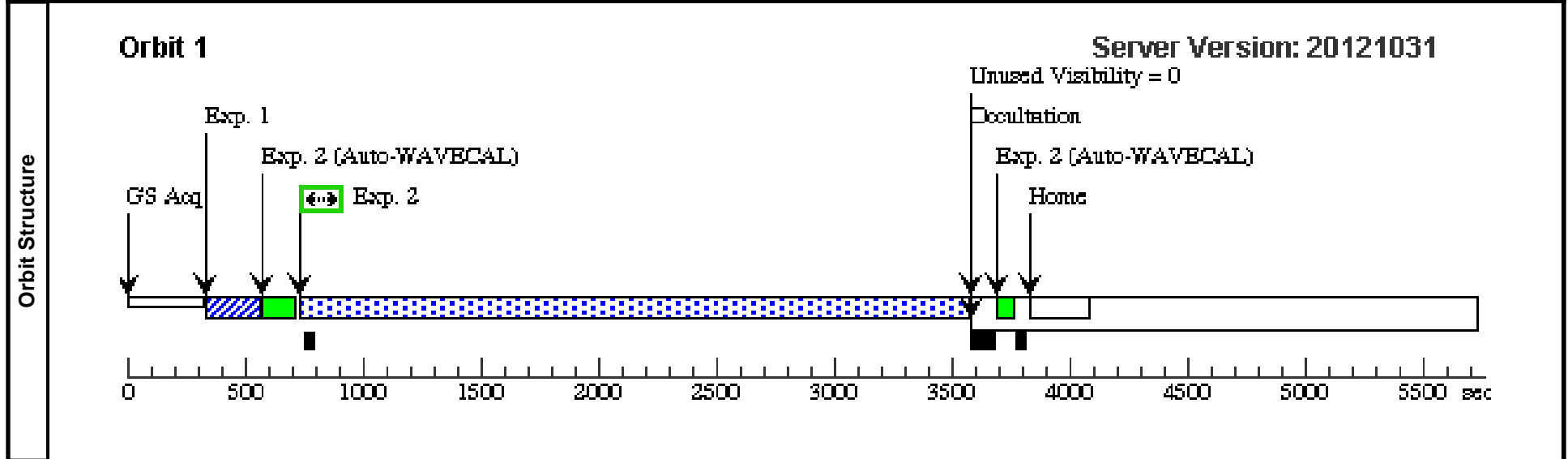
Proposal 12982 - Visit 10 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:16 GMT 2013

Visit	Proposal 12982, Visit 10, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	PG0833+699	RA: 08 38 15.3800 (129.5640833d) Dec: +69 42 51.00 (69.71417d) Equinox: J2000		V=13.53 F = 3.5E-13 cgs (IUE) (GALEX) F = 2e-13 cgs)	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) PG0833+699	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [=>]	[1]
	2	(STIS.sp.41 1226)	(10) PG0833+699	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2822.0 Secs [=>]	[1]



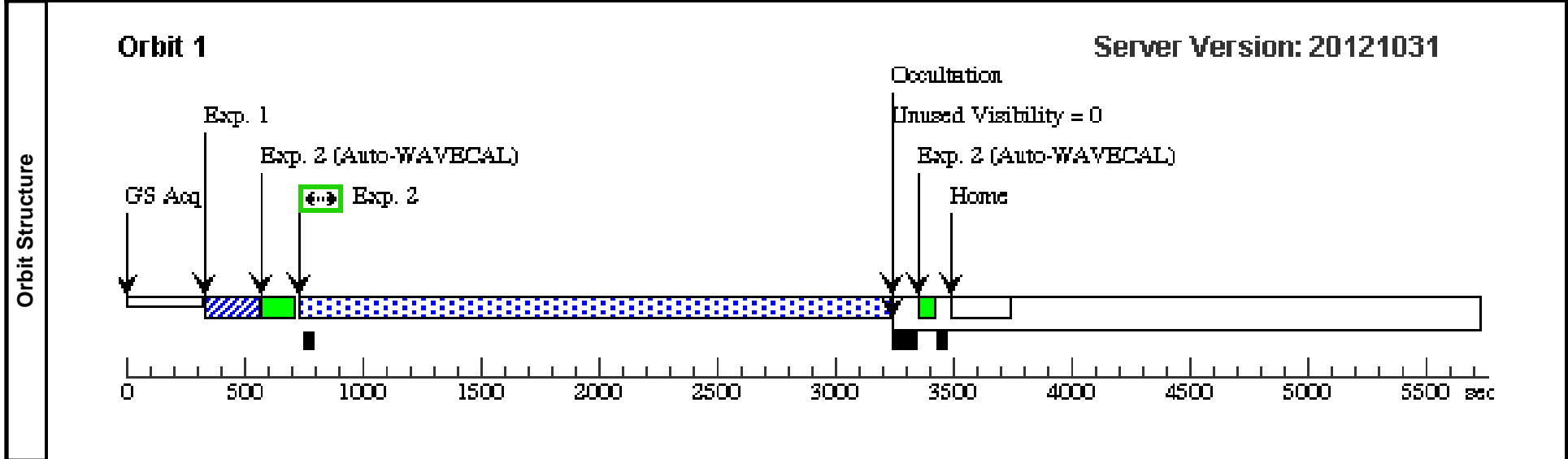
Proposal 12982 - Visit 11 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:17 GMT 2013

Visit	Proposal 12982, Visit 11, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	EC20485-2420	RA: 20 51 29.8720 (312.8744667d) Dec: -24 09 5.64 (-24.15157d) Equinox: J2000		V=11.77 GALEX FUV F = 1.9e-13 cgs (F) UV Mag = 13.47	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) EC20485-2420	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [=>]	[1]
	2	(STIS.sp.41 1687)	(11) EC20485-2420	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2484.0 Secs [=>]	[1]



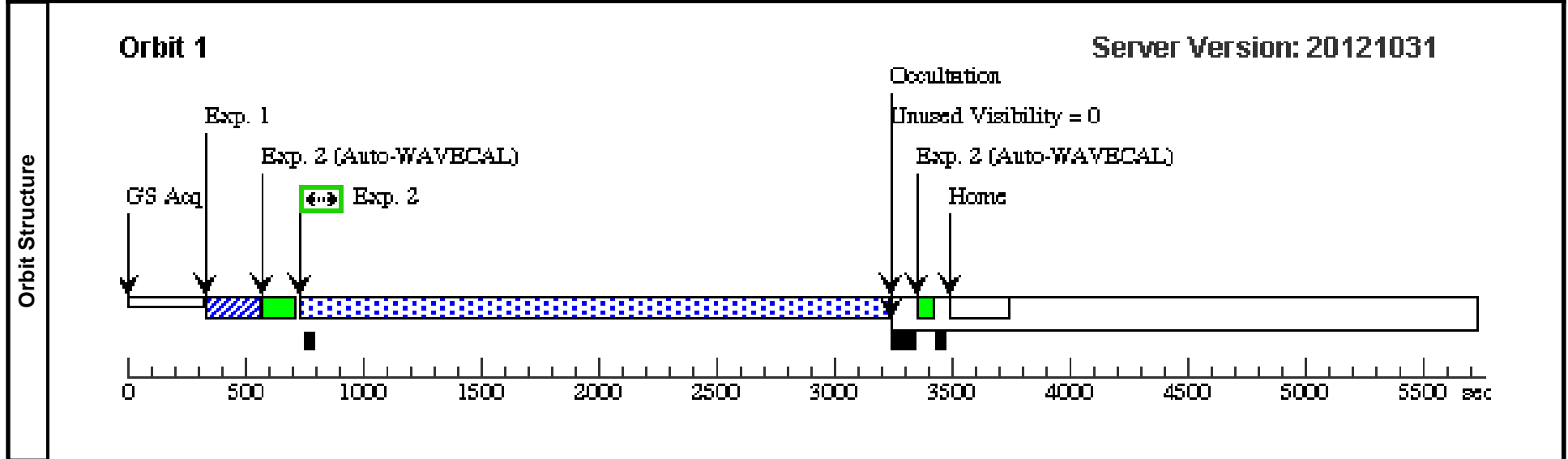
Proposal 12982 - Visit 12 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:17 GMT 2013

Visit	Proposal 12982, Visit 12, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	EC23169-2235	RA: 23 19 36.6200 (349.9025833d) Dec: -22 19 3.90 (-22.31775d) Equinox: J2000		V=12.22 F = 5.0E-13 cgs (IUE) (GALEX) FUV F= 3.7e-13 cgs	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) EC23169-2235	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [=>]	[1]
	2	(STIS.sp.41 1234)	(12) EC23169-2235	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2484.0 Secs [=>]	[1]

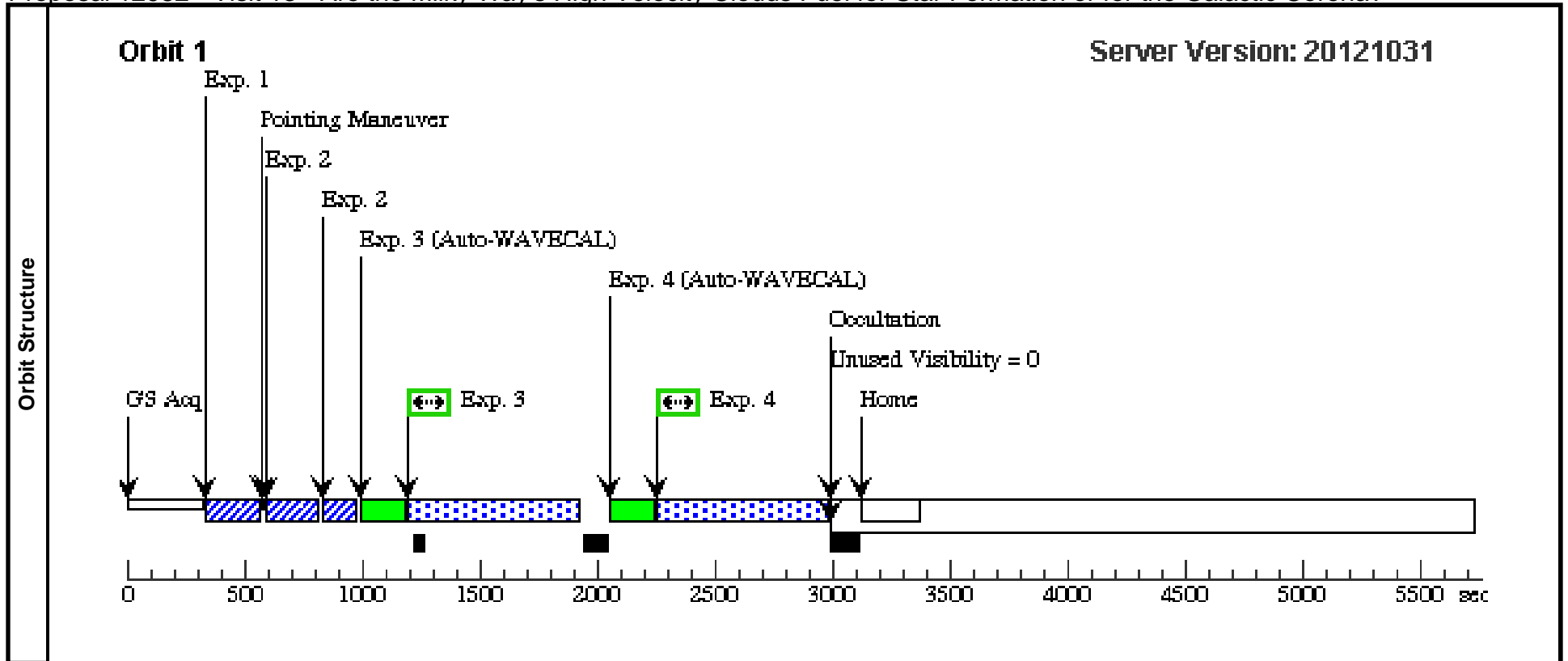


Proposal 12982 - Visit 13 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:18 GMT 2013

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(13)	HD108230	RA: 12 26 11.6006 (186.5483358d) Dec: -32 19 16.28 (-32.32119d) Equinox: J2000		V=9.33 F = 150E-13 cgs (BEFS)	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) HD108230	STIS/CCD, ACQ, F28X50LP	MIRROR					1 Secs [==>]
2		(13) HD108230	STIS/CCD, ACQ/PEAK, 0.2X0.09	MIRROR					1 Secs [==>]	[1]
3	(STIS.sp.41 2232)	(13) HD108230	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1271 A					712 Secs [==>]	[1]
4	(STIS.sp.41 2233)	(13) HD108230	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1489 A					712 Secs [==>]	[1]



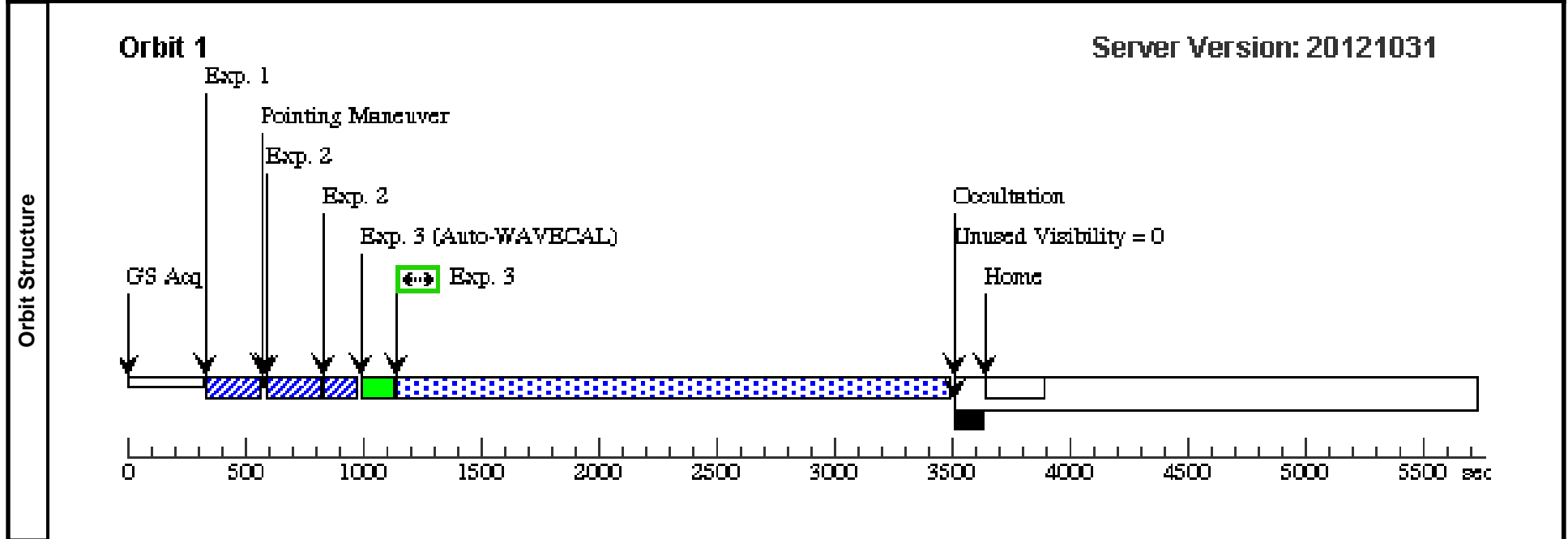
Proposal 12982 - Visit 14 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:19 GMT 2013

Visit	Proposal 12982, Visit 14, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	EC05515-6107	RA: 05 52 8.0560 (88.0335667d) Dec: -61 07 13.97 (-61.12055d) Equinox: J2000		V=11.05 F = 50E-13 cgs (FUSE)	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(14) EC05515-6107	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2		(14) EC05515-6107	STIS/CCD, ACQ/PEAK, 0.2X0.06	MIRROR				1 Secs [==>]	[1]
	3	(STIS.sp.41 1265)	(14) EC05515-6107	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M 1425 A				2335 Secs [==>]	[1]



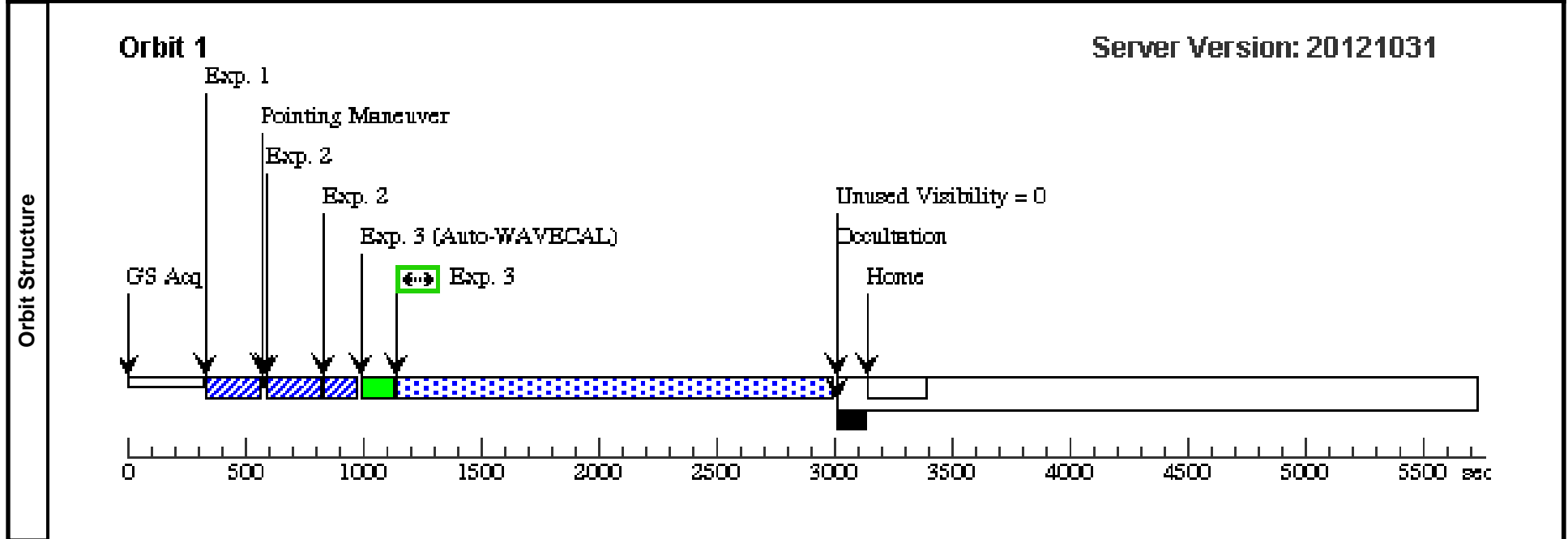
Proposal 12982 - Visit 15 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:20 GMT 2013

Visit	Proposal 12982, Visit 15, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: SCHED 100%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(15)	PG1205+228	RA: 12 07 57.6651 (181.9902712d) Dec: +22 31 51.96 (22.53110d) Equinox: J2000		V=11.01 F = 17E-13 cgs (IUE)	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(15) PG1205+228	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2		(15) PG1205+228	STIS/CCD, ACQ/PEAK, 0.2X0.06	MIRROR				1 Secs [==>]	[1]
	3	(STIS.sp.41 1751)	(15) PG1205+228	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M 1425 A				2068 Secs [==>1839.0 Secs]	[1]



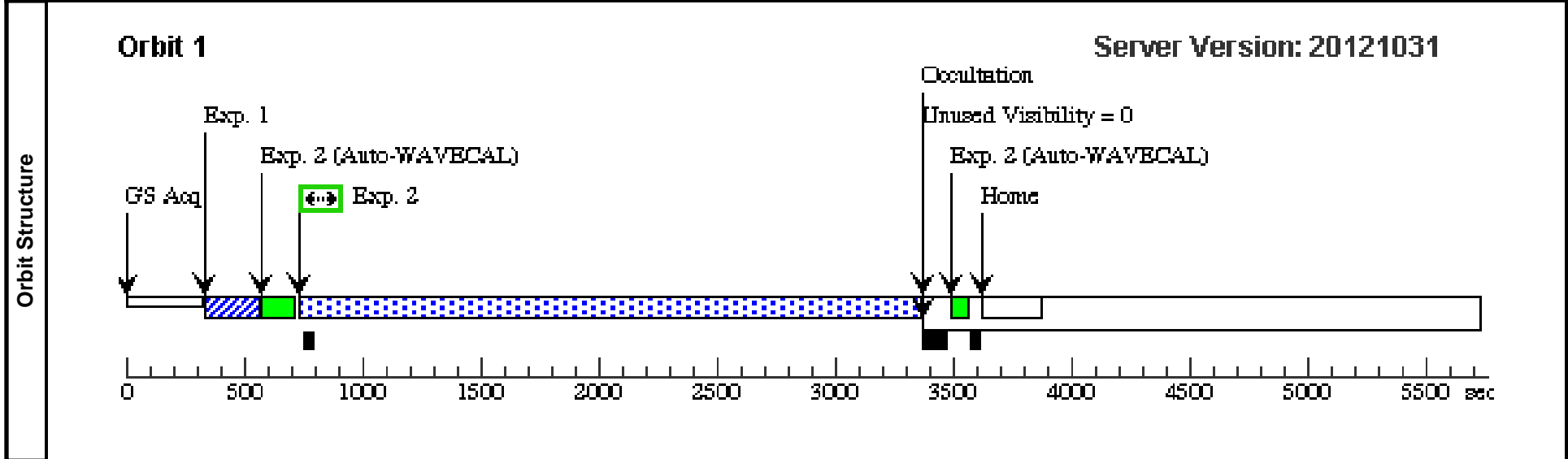
Proposal 12982 - Visit 16 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:21 GMT 2013

Visit	Proposal 12982, Visit 16, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	PG1533+467	RA: 15 34 42.5000 (233.6770833d) Dec: +46 31 50.00 (46.53056d) Equinox: J2000		V=10.86 GALEX FUV F=5.7e-13 cgs (F UV mag = 12.29)	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

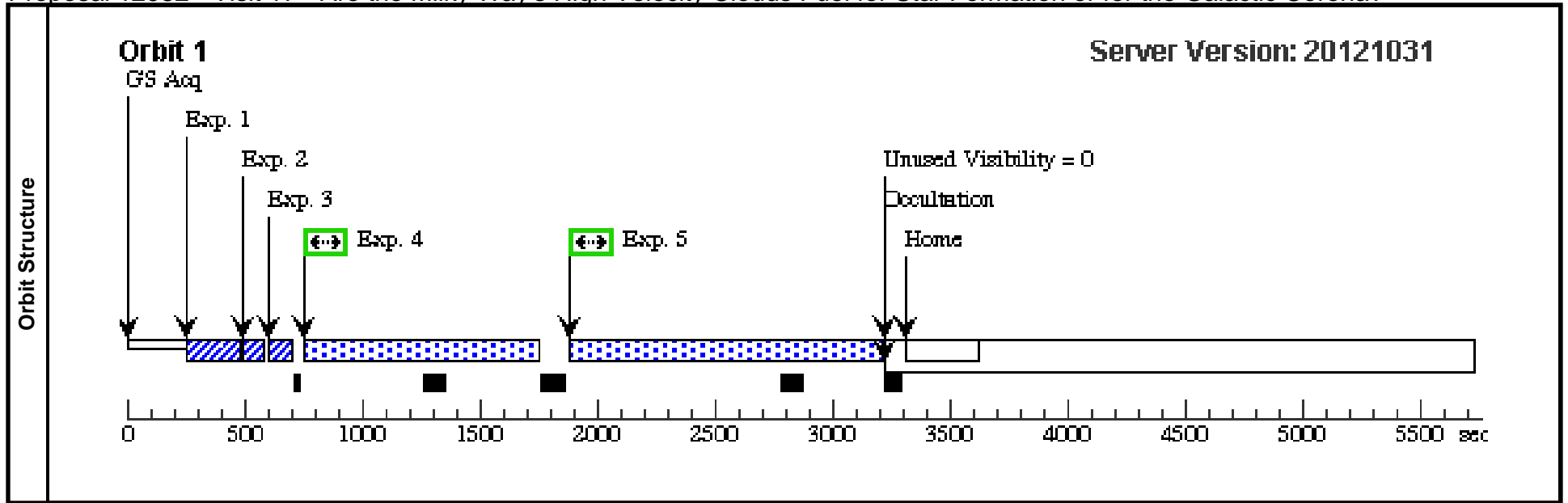
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(16) PG1533+467	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [=>]	[1]
	2	(STIS.sp.41 1277)	(16) PG1533+467	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2617.0 Secs [=>]	[1]



Proposal 12982 - Visit 17 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:22 GMT 2013

Visit	Proposal 12982, Visit 17, completed Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: PCS MODE FINE									
	(Visit 17) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	PG0954+049	RA: 09 57 1.5000 (149.2562500d) Dec: +04 39 0.00 (4.65000d) Equinox: J2000		V=12.74 GALEX FUV F = 8.3e-14 cgs (F UV mag = 14.35)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(COS.sa.411 739)	(17) PG0954+049	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; CENTER=FLUX-W T			0.7 Secs [==>]	[1]
	2	(COS.sa.411 739)	(17) PG0954+049	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				0.7 Secs [==>]	[1]
	3	(COS.sa.411 739)	(17) PG0954+049	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=1.767			0.7 Secs [==>]	[1]
	4	(COS.sp.411 285)	(17) PG0954+049	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 9; FLASH=YES; FP-POS=3			900 Secs [==>948.0 Secs]	[1]
	5	(COS.sp.411 286)	(17) PG0954+049	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=73 4; FLASH=YES; FP-POS=3			1100 Secs [==>1149.0 Secs]	[1]



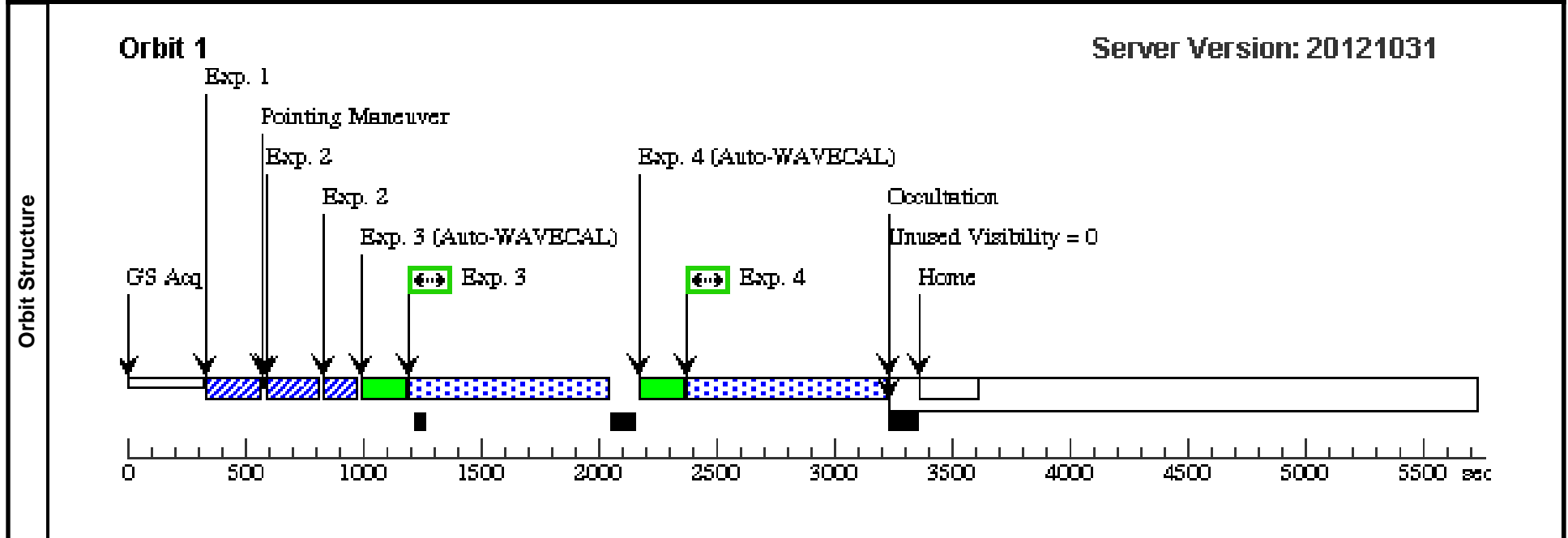
Proposal 12982 - Visit 18 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:22 GMT 2013

Visit	Proposal 12982, Visit 18, implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(18)	HD125924	RA: 14 22 42.9950 (215.6791458d) Dec: -08 14 53.58 (-8.24822d) Equinox: J2000		V=9.66 F = 120E-13 cgs (IUE)	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

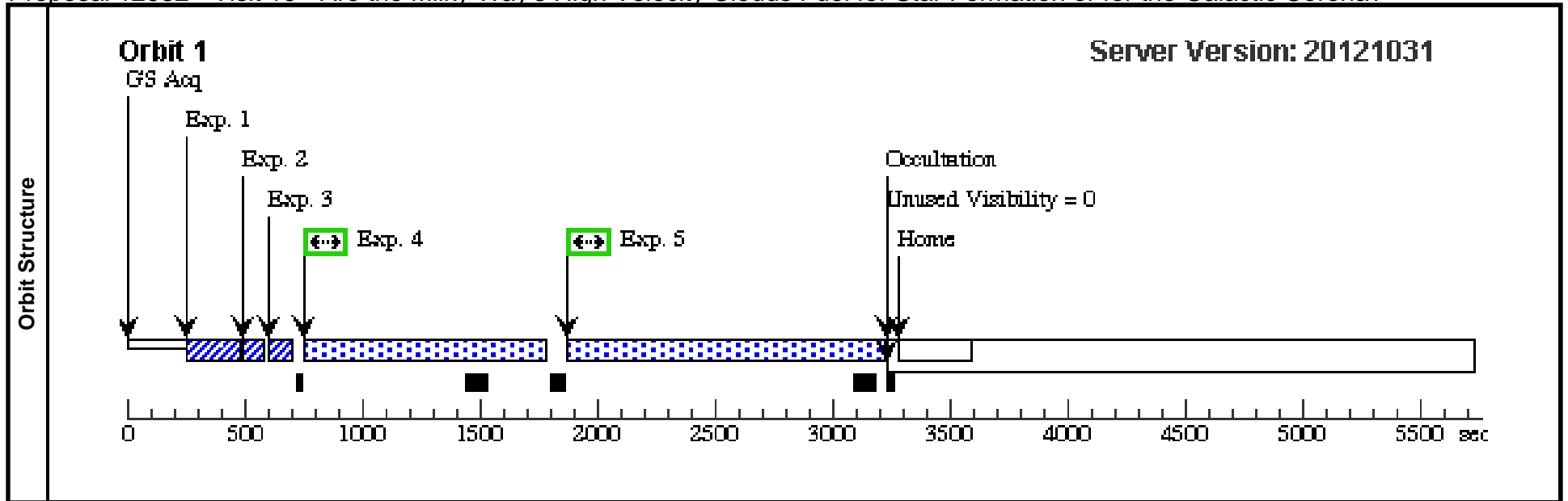
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(18) HD125924	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2		(18) HD125924	STIS/CCD, ACQ/PEAK, 0.2X0.09	MIRROR				1 Secs [==>]	[1]
	3	(STIS.sp.41 2235)	(18) HD125924	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1271 A				768 Secs [==>830.0 Secs]	[1]
	4	(STIS.sp.41 2234)	(18) HD125924	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1489 A				768 Secs [==>830.0 Secs]	[1]



Proposal 12982 - Visit 19 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:23 GMT 2013

Visit	Proposal 12982, Visit 19, scheduling Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: PCS MODE FINE									
	(Visit 19) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	EC09452-1403	RA: 09 47 38.5430 (146.9105958d) Dec: -14 16 57.11 (-14.28253d) Equinox: J2000		V=13.5 GALEX FUV F = 5.9e-14 cgs (F UV Mag = 14.74)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(COS.sa.411 740)	(19) EC09452-1403	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; CENTER=FLUX-W T			1 Secs [==>]	[1]
	2	(COS.sa.411 740)	(19) EC09452-1403	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				1 Secs [==>]	[1]
	3	(COS.sa.411 740)	(19) EC09452-1403	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=1.767			1 Secs [==>]	[1]
	4	(COS.sp.411 297)	(19) EC09452-1403	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=65 4; FLASH=YES; FP-POS=3			916 Secs [==>980.0 Secs]	[1]
	5	(COS.sp.411 299)	(19) EC09452-1403	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=10 47; FLASH=YES; FP-POS=3			1100 Secs [==>1164.0 Secs]	[1]



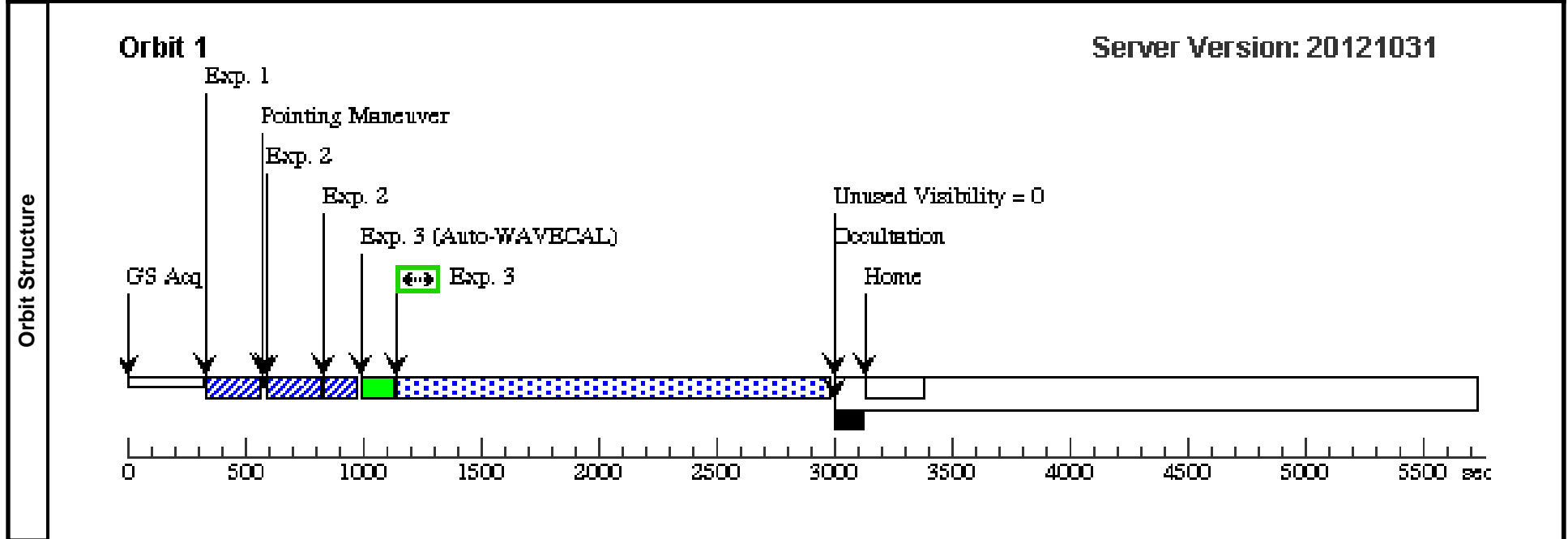
Proposal 12982 - Visit 20 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:24 GMT 2013

Visit	Proposal 12982, Visit 20, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: SCHED 100%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(20)	PG1212+369	RA: 12 14 48.5370 (183.7022375d) Dec: +36 38 49.32 (36.64703d) Equinox: J2000		V=12.90 F = 11E-13 cgs (IUE) (GALEX) FUV F = 8e-13 cgs	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

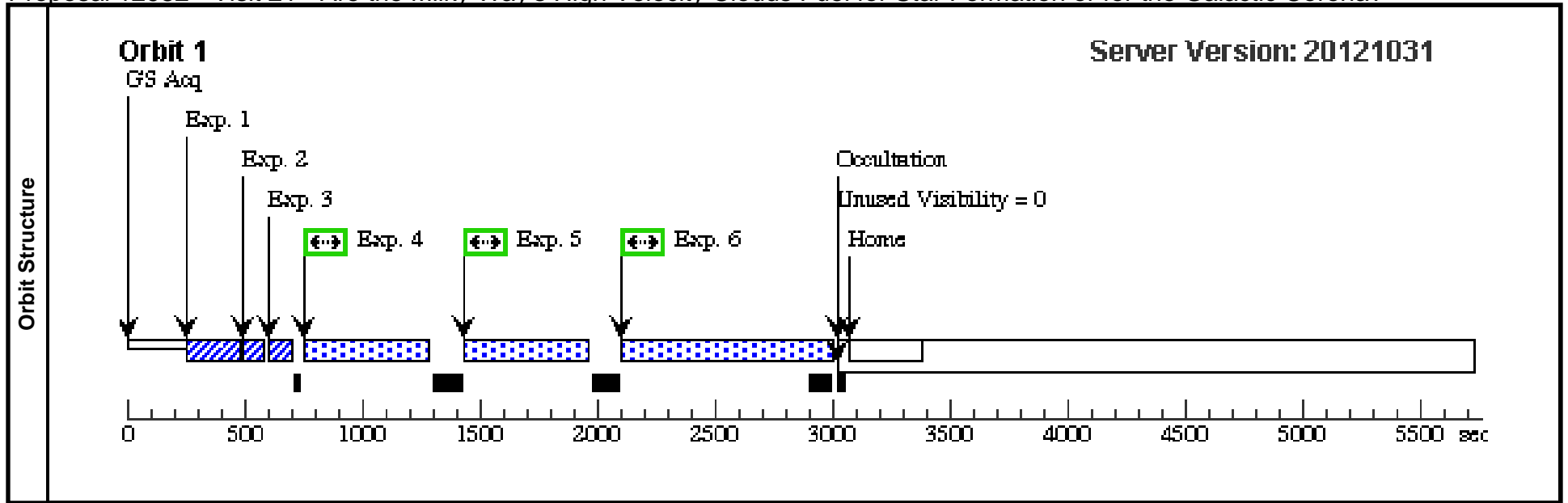
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(20) PG1212+369	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2		(20) PG1212+369	STIS/CCD, ACQ/PEAK, 0.2X0.06	MIRROR				1 Secs [==>]	[1]
	3	(STIS.sp.41 1302)	(20) PG1212+369	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M 1425 A				2256 Secs [==>1828.0 Secs]	[1]



Proposal 12982 - Visit 21 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:25 GMT 2013

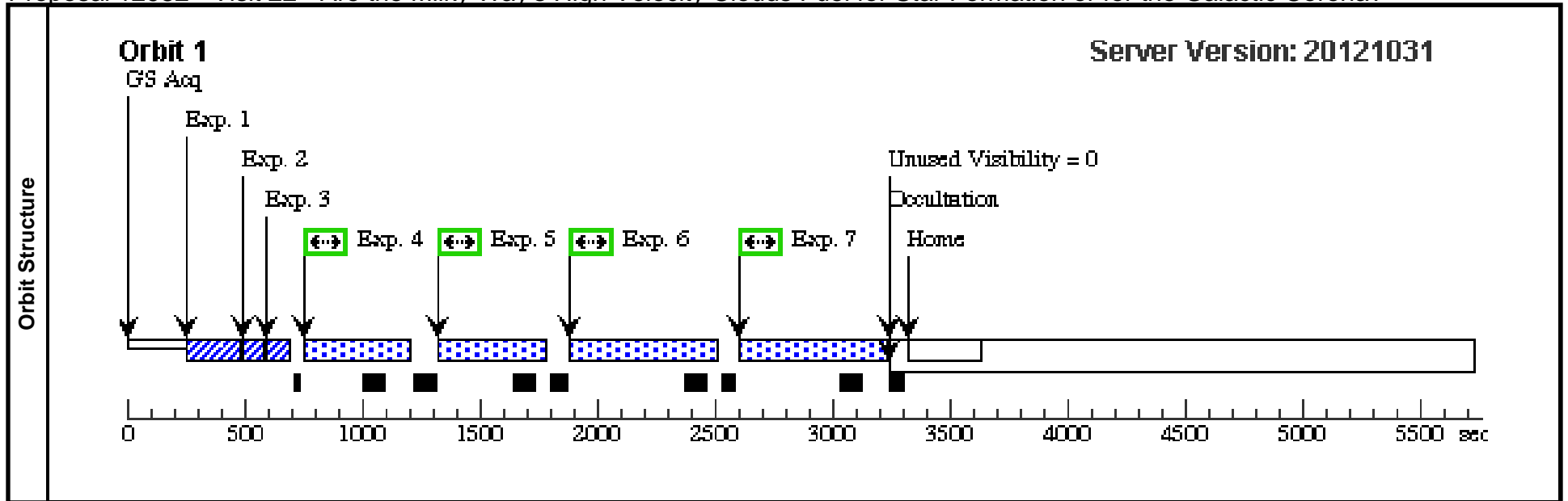
Visit	Proposal 12982, Visit 21, completed Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: PCS MODE FINE; SCHED 100%									
	(Visit 21) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	PG1213+456	RA: 12 15 44.1000 (183.9337500d) Dec: +45 20 50.00 (45.34722d) Equinox: J2000		V=14.53 GALEX FUV F=1e-13 cgs (FU V mag = 14.17)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(COS.sa.411 741)	(21) PG1213+456	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; CENTER=FLUX-W T			0.6 Secs [==>]	[1]
	2	(COS.sa.411 741)	(21) PG1213+456	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				0.6 Secs [==>]	[1]
	3	(COS.sa.411 741)	(21) PG1213+456	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=1.767			0.6 Secs [==>]	[1]
	4	(COS.sp.411 306)	(21) PG1213+456	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 2; FLASH=YES; FP-POS=3			541 Secs [==>482.0 Secs]	[1]
	5	(COS.sp.411 307)	(21) PG1213+456	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=40 3; FLASH=YES; FP-POS=3			474 Secs [==>411.0 Secs]	[1]
	6	(COS.sp.411 726)	(21) PG1213+456	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=62 8; FLASH=YES; FP-POS=3			781 Secs [==>721.0 Secs]	[1]



Proposal 12982 - Visit 22 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:26 GMT 2013

Visit	Proposal 12982, Visit 22, scheduling Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: PCS MODE FINE									
	(Visit 22) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	HD341617	RA: 18 08 20.0860 (272.0836917d) Dec: +24 10 43.36 (24.17871d) Equinox: J2000		V=11.40 F = 2.0E-13 cgs (IUE) (GALEX) FUV = 1.6e-13)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(COS.sa.411 742)	(22) HD341617	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; CENTER=FLUX-W T			0.3 Secs [==>]	[1]
	2	(COS.sa.411 742)	(22) HD341617	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				0.3 Secs [==>]	[1]
	3	(COS.sa.411 742)	(22) HD341617	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=1.767			0.3 Secs [==>]	[1]
	4	(COS.sp.411 314)	(22) HD341617	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=21 5;	FLASH=YES; FP-POS=3		265 Secs [==>403.0 Secs]	[1]
	5	(COS.sp.411 315)	(22) HD341617	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 0;	FLASH=YES; FP-POS=3		221 Secs [==>341.0 Secs]	[1]
	6	(COS.sp.411 316)	(22) HD341617	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=32 1;	FLASH=YES; FP-POS=3		328 Secs [==>448.0 Secs]	[1]
	7	(COS.sp.411 317)	(22) HD341617	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=32 8;	FLASH=YES; FP-POS=3		387 Secs [==>507.0 Secs]	[1]



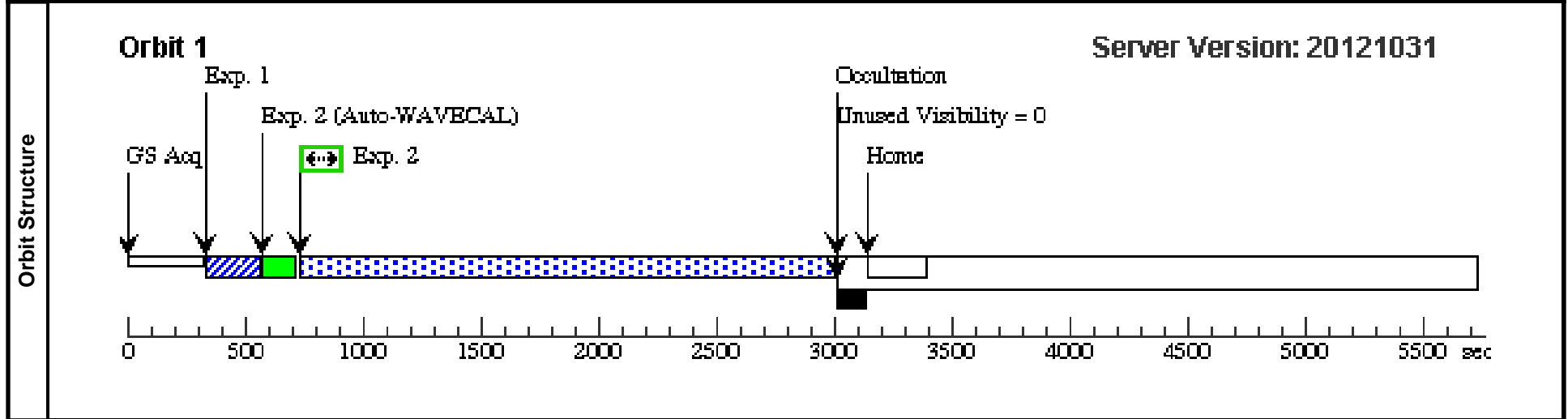
Proposal 12982 - Visit 23 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:27 GMT 2013

Visit	Proposal 12982, Visit 23, scheduled				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: SCHED 100%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(23)	PG2345+241	RA: 23 48 22.2940 (357.0928917d) Dec: +24 23 6.66 (24.38518d) Equinox: J2000		V=12.15 GALEX FUV F = 3.2e-13 (FUV mag = 12.95)	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(23) PG2345+241	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [=>]	[1]
	2	(STIS.sp.41 1730)	(23) PG2345+241	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M 1425 A				2255 Secs [=>]	[1]



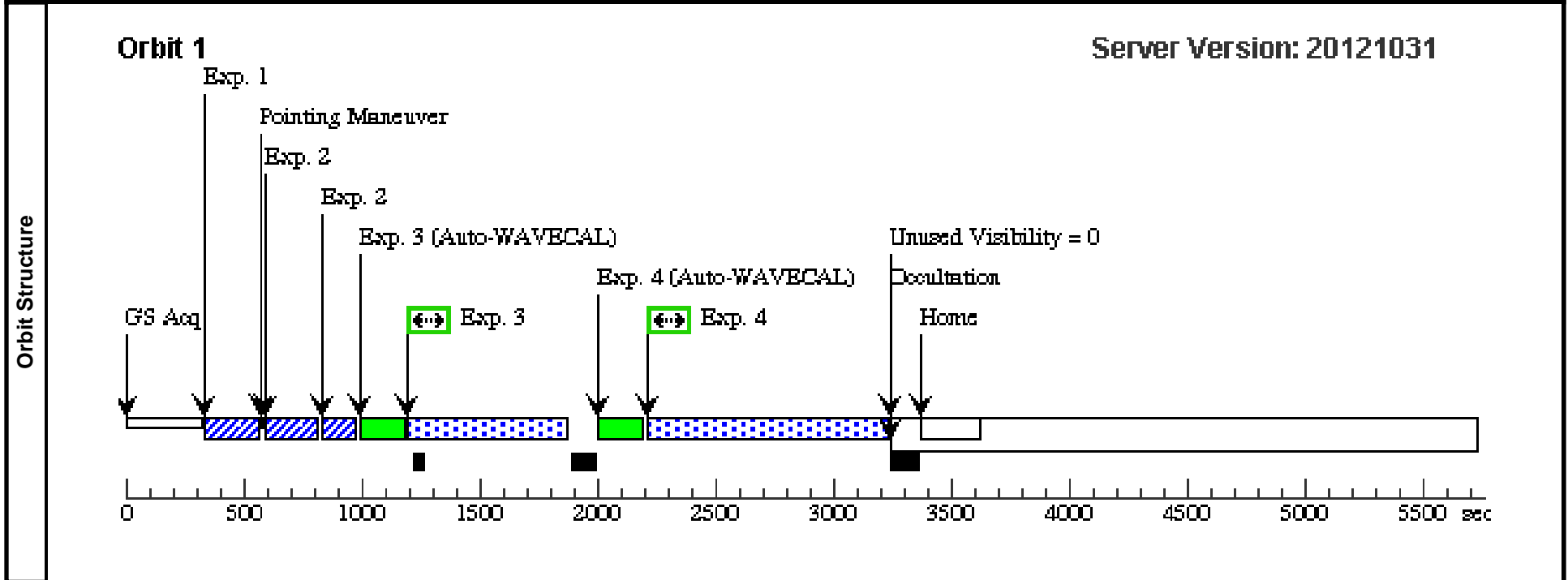
Proposal 12982 - Visit 24 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:28 GMT 2013

Visit	Proposal 12982, Visit 24, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(24)	HD206144	RA: 21 40 33.3791 (325.1390796d) Dec: -17 36 0.57 (-17.60016d) Equinox: J2000		V=9.32 F = 110E-13 cgs @1300A, 50e-13 cgs @1500 (IUE)	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

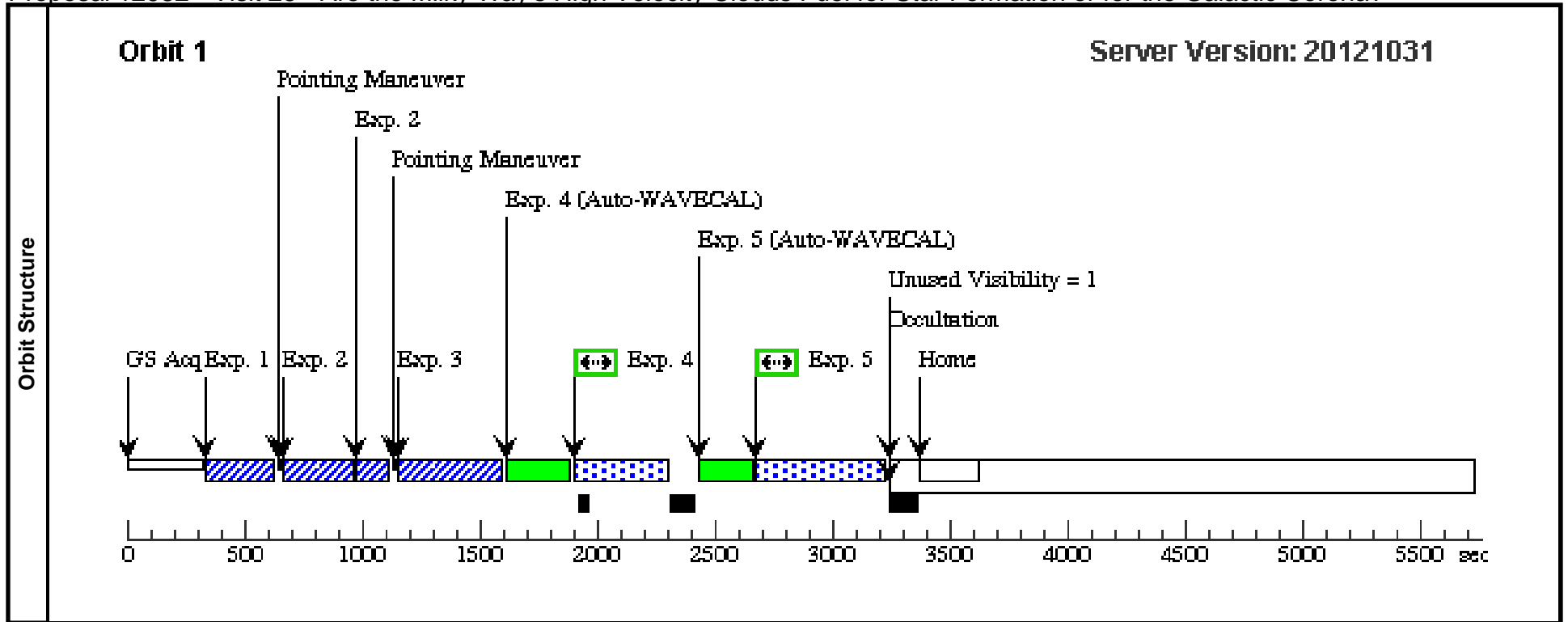
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(24) HD206144	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2		(24) HD206144	STIS/CCD, ACQ/PEAK, 0.2X0.09	MIRROR				1 Secs [==>]	[1]
	3	(STIS.sp.41 2242)	(24) HD206144	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1271 A				667.0 Secs [==>]	[1]
	4	(STIS.sp.41 2243)	(24) HD206144	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H 1489 A				1004 Secs [==>]	[1]



Proposal 12982 - Visit 25 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:28 GMT 2013

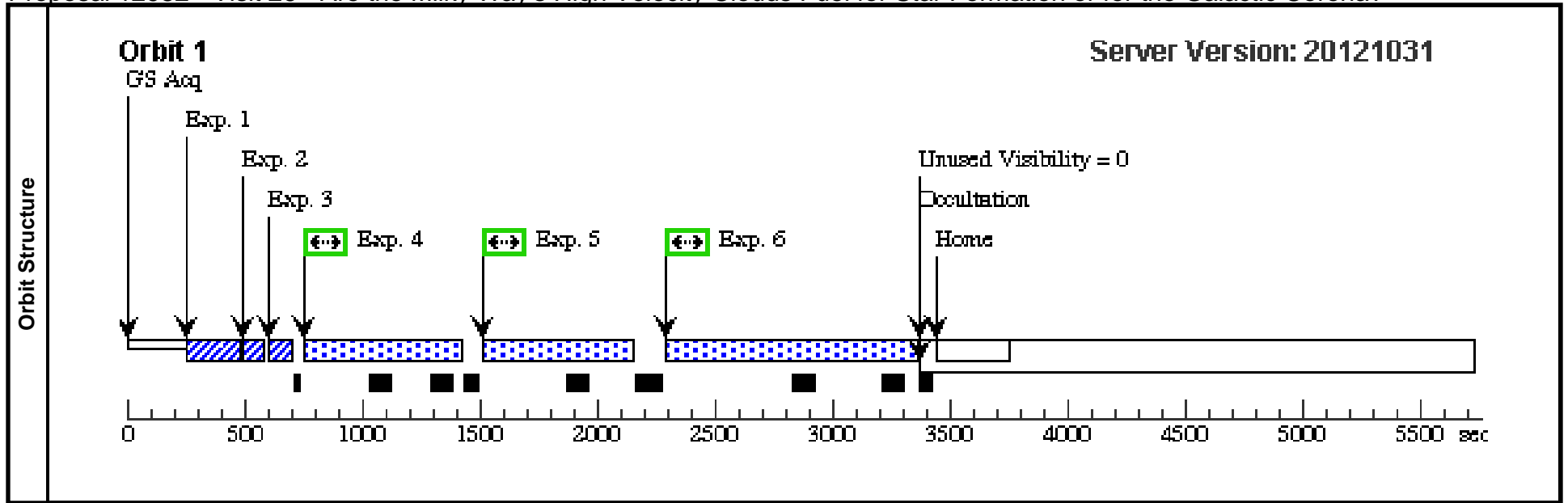
Visit	Proposal 12982, Visit 25, implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(25)	HD214080	RA: 22 36 6.4368 (339.0268200d) Dec: -16 23 16.76 (-16.38799d) Equinox: J2000		V=6.818 F = 1200E-13 cgs@1300, 700e-13 cgs@1550 (IUE)	Reference Frame: ICRS	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>			
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(25) HD214080	STIS/CCD, ACQ, F25ND3	MIRROR				0.1 Secs [==>]	[1]
	2		(25) HD214080	STIS/CCD, ACQ/PEAK, 0.2X0.09	G430M 4194 A				2 Secs [==>]	[1]
	3		(25) HD214080	STIS/CCD, ACQ/PEAK, 0.1X0.03	G430M 4194 A				4 Secs [==>]	[1]
	4	(STIS.sp.41 2254)	(25) HD214080	STIS/FUV-MAMA, ACCUM, 0.1X0.03	E140H 1271 A				500 Secs [==>389.0 Secs]	[1]
	5	(STIS.sp.41 2255)	(25) HD214080	STIS/FUV-MAMA, ACCUM, 0.1X0.03	E140H 1489 A				650 Secs [==>539.0 Secs]	[1]



Proposal 12982 - Visit 26 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:29 GMT 2013

Visit	Proposal 12982, Visit 26, scheduling Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: PCS MODE FINE									
	(Visit 26) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(26)	EC20011-5005	RA: 20 04 52.7080 (301.2196167d) Dec: -49 57 14.85 (-49.95412d) Equinox: J2000		V=13.87 F = 0.9E-13 cgs (FUSE), GALEX FUV F = 0.8e-13 cgs (F UV mag 14.41)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(COS.sa.411 743)	(26) EC20011-5005	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; CENTER=FLUX-W T			0.6 Secs [==>]	[1]
	2	(COS.sa.411 743)	(26) EC20011-5005	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				0.6 Secs [==>]	[1]
	3	(COS.sa.411 743)	(26) EC20011-5005	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	STEP-SIZE=1.767			0.6 Secs [==>]	[1]
	4	(COS.sp.411 640)	(26) EC20011-5005	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=25 1;	FLASH=YES; FP-POS=3		596 Secs [==>619.0 Secs]	[1]
	5	(COS.sp.411 640)	(26) EC20011-5005	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=25 1;	FLASH=YES; FP-POS=3		493 Secs [==>517.0 Secs]	[1]
	6	(COS.sp.411 642)	(26) EC20011-5005	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=37 5;	FLASH=YES; FP-POS=3		861 Secs [==>888.0 Secs]	[1]



Proposal 12982 - Visit 27 - Are the Milky Way's High Velocity Clouds Fuel for Star Formation or for the Galactic Corona?

Thu Feb 07 02:18:30 GMT 2013

Visit	Proposal 12982, Visit 27, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA				
	Special Requirements: SCHED 100%				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(27)	EC00358-1516	RA: 00 38 20.2627 (9.5844279d) Dec: -14 59 54.16 (-14.99838d) Equinox: J2000		V=10.8 F = 50E-13 cgs @1300, 30e-13 cgs@1500 (IUE)	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(27) EC00358-1516	STIS/CCD, ACQ, F28X50LP	MIRROR				1 Secs [==>]	[1]
	2		(27) EC00358-1516	STIS/CCD, ACQ/PEAK, 0.2X0.06	MIRROR				1 Secs [==>]	[1]
	3	(STIS.sp.41 1659)	(27) EC00358-1516	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M 1425 A				1839 Secs [==>]	[1]

