11741 - Probing Warm-Hot Intergalactic Gas at 0.5 < z < 1.3 with a Blind Survey for O VI, Ne VIII, Mg X, and Si XII Absorption Systems

Cycle: 17, Proposal Category: GO

(Large Program)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) HB89-0232-042	COS/FUV COS/NUV	5	06-Oct-2010 21:01:25.0	yes
02	(1) HB89-0232-042	COS/FUV COS/NUV	5	06-Oct-2010 21:01:33.0	yes
03	(1) HB89-0232-042	COS/FUV COS/NUV	4	06-Oct-2010 21:01:41.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
04	(3) PG-1206+459	COS/FUV COS/NUV	5	06-Oct-2010 21:01:47.0	yes
05	(3) PG-1206+459	COS/FUV COS/NUV	5	06-Oct-2010 21:01:53.0	yes
06	(3) PG-1206+459	COS/FUV COS/NUV	4	06-Oct-2010 21:01:58.0	yes
07	(3) PG-1206+459	COS/FUV COS/NUV	4	06-Oct-2010 21:02:03.0	yes
08	(11) LBQS-1435-0134	COS/FUV COS/NUV	5	06-Oct-2010 21:02:09.0	yes
09	(11) LBQS-1435-0134	COS/FUV COS/NUV	5	06-Oct-2010 21:02:18.0	yes
10	(11) LBQS-1435-0134	COS/FUV COS/NUV	5	06-Oct-2010 21:02:24.0	yes
11	(11) LBQS-1435-0134	COS/FUV COS/NUV	5	06-Oct-2010 21:02:29.0	yes
12	(5) PG-1338+416	COS/FUV COS/NUV	5	06-Oct-2010 21:02:35.0	yes
13	(5) PG-1338+416	COS/FUV COS/NUV	5	06-Oct-2010 21:02:42.0	yes
14	(5) PG-1338+416	COS/FUV COS/NUV	5	06-Oct-2010 21:02:47.0	yes
15	(5) PG-1338+416	COS/FUV COS/NUV	5	06-Oct-2010 21:02:53.0	yes
16	(7) PG-1522+101	COS/FUV COS/NUV	5	06-Oct-2010 21:02:59.0	yes
17	(7) PG-1522+101	COS/FUV COS/NUV	5	06-Oct-2010 21:03:05.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
18	(7) PG-1522+101	COS/FUV COS/NUV	4	06-Oct-2010 21:03:10.0	yes
19	(12) FBQS-0751+2919	COS/FUV COS/NUV	5	06-Oct-2010 21:03:17.0	yes
20	(12) FBQS-0751+2919	COS/FUV COS/NUV	5	06-Oct-2010 21:03:22.0	yes
21	(12) FBQS-0751+2919	COS/FUV COS/NUV	4	06-Oct-2010 21:03:26.0	yes
22	(2) PG-1148+549	COS/FUV COS/NUV	5	06-Oct-2010 21:03:33.0	yes
23	(2) PG-1148+549	COS/FUV COS/NUV	5	06-Oct-2010 21:03:39.0	yes
24	(2) PG-1148+549	COS/FUV COS/NUV	2	06-Oct-2010 21:03:42.0	yes
25	(6) PG-1407+265	COS/FUV COS/NUV	5	06-Oct-2010 21:03:47.0	yes
26	(6) PG-1407+265	COS/FUV COS/NUV	5	06-Oct-2010 21:03:53.0	yes
27	(6) PG-1407+265	COS/FUV COS/NUV	2	06-Oct-2010 21:03:56.0	yes
28	(8) PG-1630+377	COS/FUV COS/NUV	5	06-Oct-2010 21:04:02.0	yes
29	(8) PG-1630+377	COS/FUV COS/NUV	5	06-Oct-2010 21:04:08.0	yes
31	(8) PG-1630+377	COS/FUV COS/NUV	5	06-Oct-2010 21:04:13.0	yes
30	(8) PG-1630+377	COS/FUV COS/NUV	3	06-Oct-2010 21:04:19.0	yes

142 Total Orbits Used

ABSTRACT

Currently we can only account for half of the baryons (or less) expected to be found in the nearby universe based on D/H and CMB observations. This "missing baryons problem" is one of the highest-priority challenges in observational extragalatic astronomy. Cosmological simulations suggest that the baryons are hidden in low-density, shock-heated intergalactic gas in the log T = 5 - 7 range, but intensive UV and X-ray surveys using O VI, O VII, and O VIII absorption lines have not yet confirmed this prediction. We propose to use COS to carry out a sensitive survey for Ne VIII and Mg X absorption in the spectra of nine QSOs at z(QSO) > 0.89. For the three highest-redshift QSOs, we will also search for Si XII. This survey will provide more robust constraints on the quantity of baryons in warm-hot intergalactic gas at 0.5 < z < 1.3, and the data will provide rich constraints on the metal enrichment, physical conditions, and nature of a wide variety of QSO absorbers in addition to the warm-hot systems. By comparing the results to other surveys at lower redshifts (with STIS, FUSE, and from the COS GTO programs), the project will also enable the first study of how these absorbers evolve with redshift at z < 1. By combining the program with follow-up galaxy redshift surveys, we will also push the study of galaxy-absorber relationships to higher redshifts, with an emphasis on the distribution of the WHIM with respect to the large-scale matter distribution of the universe..

OBSERVING DESCRIPTION

We will observe the QSOs with both the COS G130M and COS G160M gratings. For G130M, our data will be least-sensitive at the shortest wavelengths. At observed wavelength = 1150 A, the Ne VIII doublet is at a redshift z = 0.5, so we must be able to detect an observed equivalent width W_(ob) = (1+z)*25 mA = 37 mA. This line is likely to be well-resolved and spread over several resolution elements -- the Savage et al. (2005) Ne VIII detection is spread over approximately 100 km/s. Integrating over this velocity range, we find that a G130M spectrum must have S/N = 20 per resolution element in order to detect a Ne VIII doublet analogous to the Savage et al. (2005) detection. Therefore, we request G130M integration times that will provide this S/N ratio. For each QSO, we have used the COS ETC to determine the

integration times that will provide this S/N. For the G160M observations, our least-sensitive data will be at the long-wavelength end (G160M sensitivity drops with increasing wavelength). For a Ne VIII doublet in a G160M spectrum at observed wavelength = 1750 A, a similar calculation indicates that we require S/N = 18. In order to obtain data with uniform sensitivity, we request S/N = 20 for the G160M observations as well. These data will be useful for many other purposes. Other applications, e.g., comparison of ISM lines in the G130M vs. G160M spectra, would benefit by having the same S/N in both G130M and G160M.

Both the G130M and G160M modes of COS have small (but not negligible) gaps in the middle of the bands. To fill in these gaps, we will use two central wavelengths. For G130M, we will use central lambda = 1309 A for half of the integration, and we will use central lambda = 1327 A for the other half. While the S/N in the gap will be reduced by sqrt(2), this is better than having no data at all in that region. Likewise, for G160M we will fill in the gap by using two setups with central lambda = 1600 A and 1623 A. The FUV fluxes of our targets found in previous HST FOS and/or GHRS observations provide the basis for the integration time calculations. For each QSO, we have used these fluxes and the COS ETC to determine the integration times for G130M and G160M observations that will provide the S/N calculated above. We estimated the total orbit allotment needed for each target by adding the overheads discussed in the COS instrument handbook (including initial and subsequent guide star acquisitions, target acquisitions with the standard ACQ/IMAGE, and OSM1 grating change times). Finally, we have used the Cycle 17 APT to ensure that the targets have sufficient visibility windows, and on this basis we

conclude that the requested observations are straightforward and
feasible.

Visit

Proposal 11741, Visit 01, completed Thu Oct 07 01:04:24 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

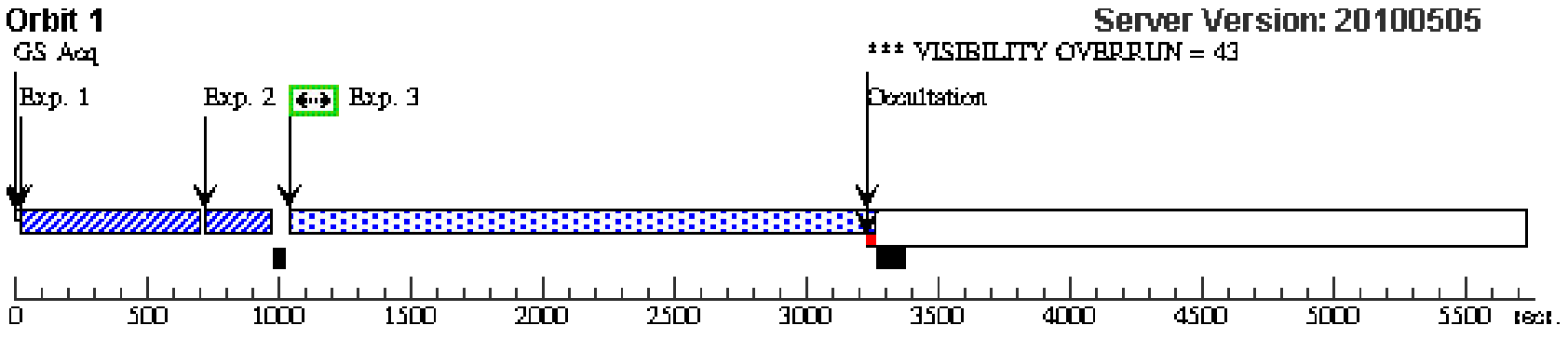
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HB89-0232-042	RA: 02 35 7.3850 (38.7807708d)	Redshift: 1.434	V=16.5+/-0.1	Reference Frame: ICRS
	Alt Name1: S0FZ002353	Dec: -04 02 5.67 (-4.03491d)		Flambda(1350 A) = 3.0e-15	
	Alt Name2: PKS-0232-04	Equinox: J2000			

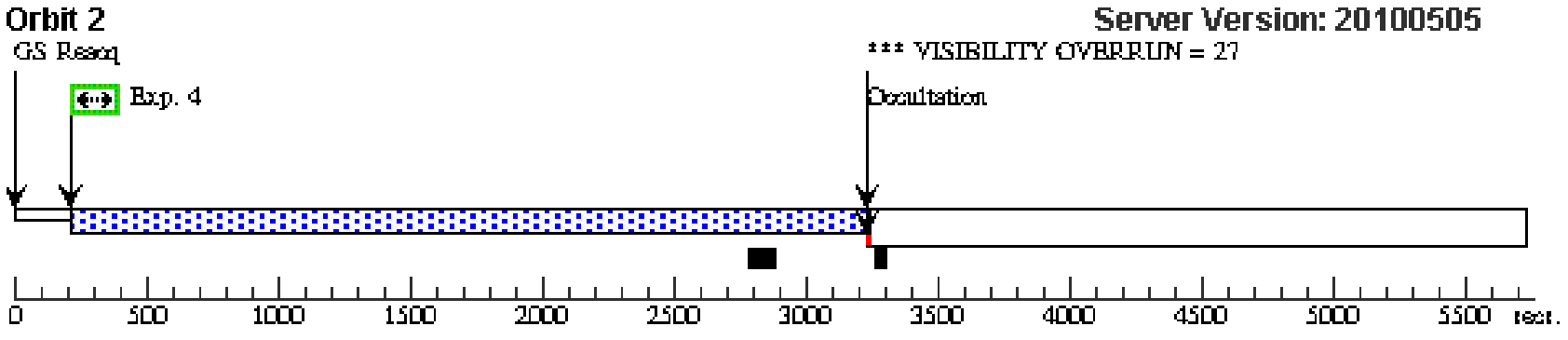
Comments: This object was generated by the targetselector and retrieved from the NED database.

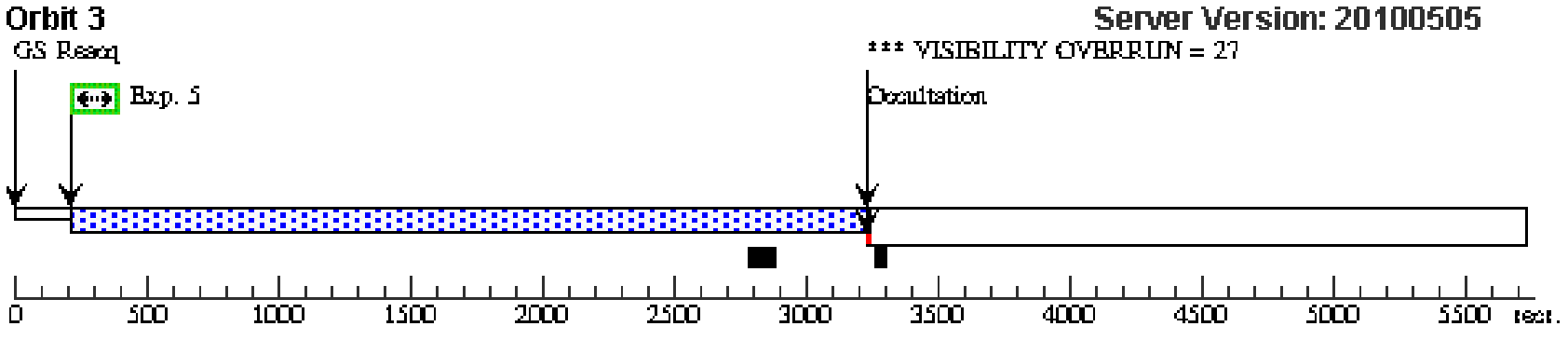
Exposures

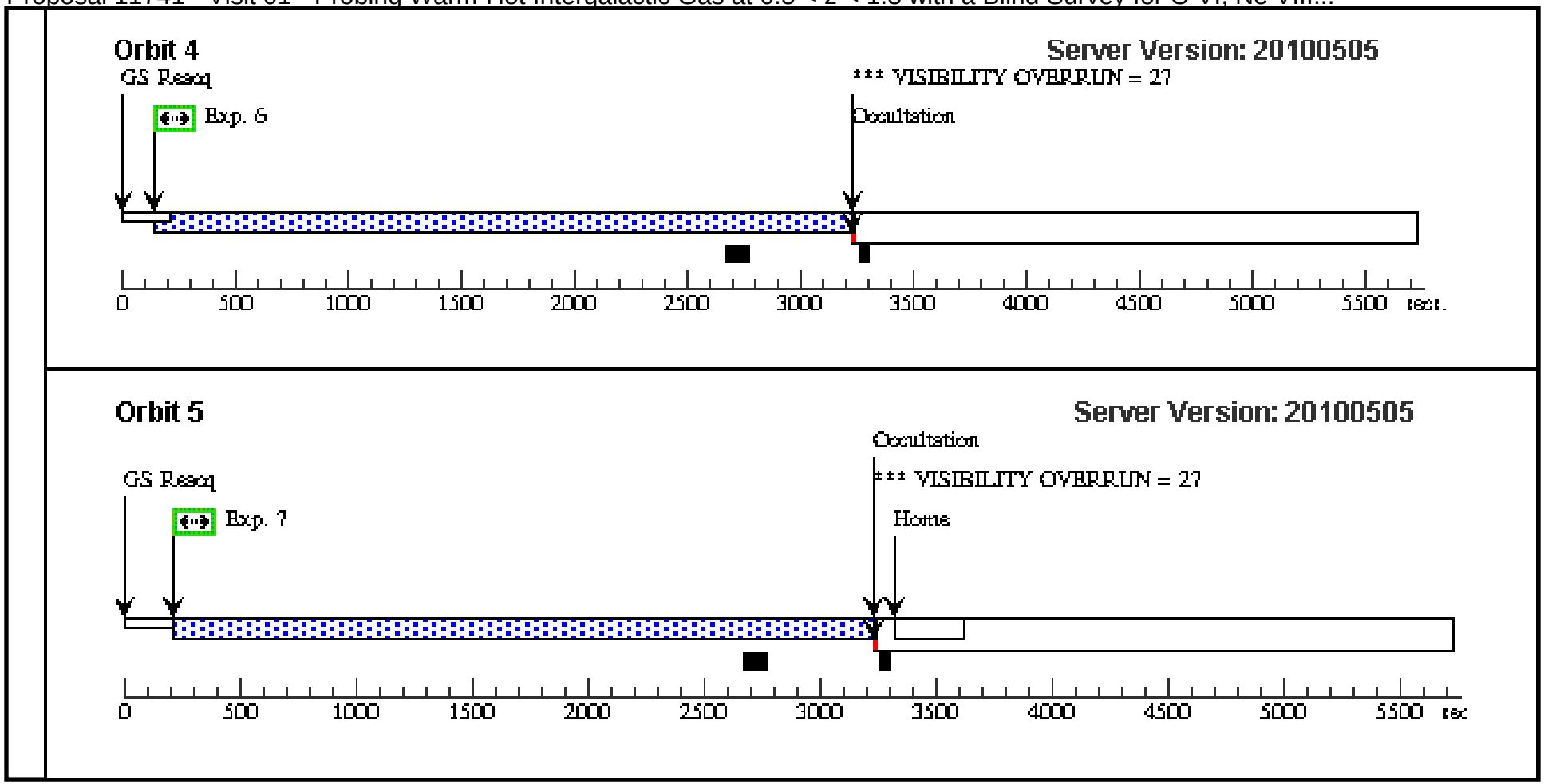
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pks0232_acqsearch	(1) HB89-0232-042	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767	GS ACQ SCENARIO BASE1B3		56.6 Secs *[==>]*	***[1]***
	Comments: Target observed with IUE (1981 and 1989) and FOS (1993). Flux for exposure time based on faintest flux (at 2000 A) from these observations.								
2	pks0232_acqimage	(1) HB89-0232-042	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				56.6 Secs *[==>]*	***[1]***
	Comments: Target observed with IUE (1981 and 1989) and FOS (1993). Flux for exposure time based on faintest flux (at 2000 A) from these observations.								
3	pks0232_g130m1	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2059.0; FP-POS=1; FLASH=YES			2059.0 Secs *[==>]*	***[1]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2529 seconds (ETC COS70911). Exposure time is much shorter, so buffer time = exposure time.								
4	pks0232_g130m2	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2529.0; FP-POS=3; FLASH=YES			2975.0 Secs *[==>]*	***[2]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2529 seconds (ETC COS70911).								
5	pks0232_g130m3	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2529.0; FP-POS=4; FLASH=YES			2975.0 Secs *[==>]*	***[3]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2529 seconds (ETC COS70911).								
6	pks0232_g130m4	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2423.0; FP-POS=1; FLASH=YES			2975.0 Secs *[==>]*	***[4]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2423 seconds (ETC COS70915). Exposure time is shorter, so buffer time = exposure time.								
7	pks0232_g130m5	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2423.0; FP-POS=3; FLASH=YES			2975.0 Secs *[==>]*	***[5]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2423 seconds (ETC COS70915).								

Orbit Structure





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Visit

Proposal 11741, Visit 02, completed Thu Oct 07 01:04:26 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 02) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 02) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 02) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 02) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 02) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

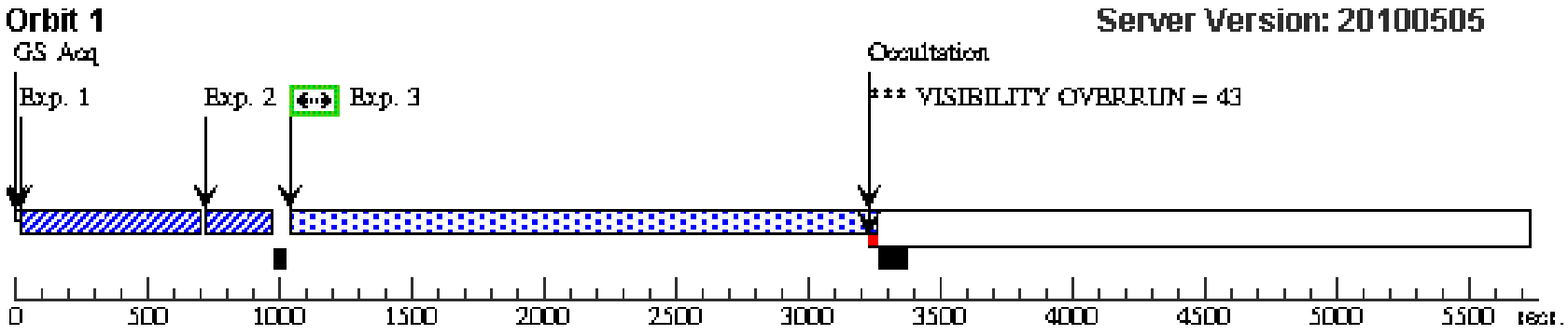
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HB89-0232-042	RA: 02 35 7.3850 (38.7807708d)	Redshift: 1.434	V=16.5+/-0.1	Reference Frame: ICRS
	Alt Name1: S0FZ002353	Dec: -04 02 5.67 (-4.03491d)		Flambda(1350 A) = 3.0e-15	
	Alt Name2: PKS-0232-04	Equinox: J2000			

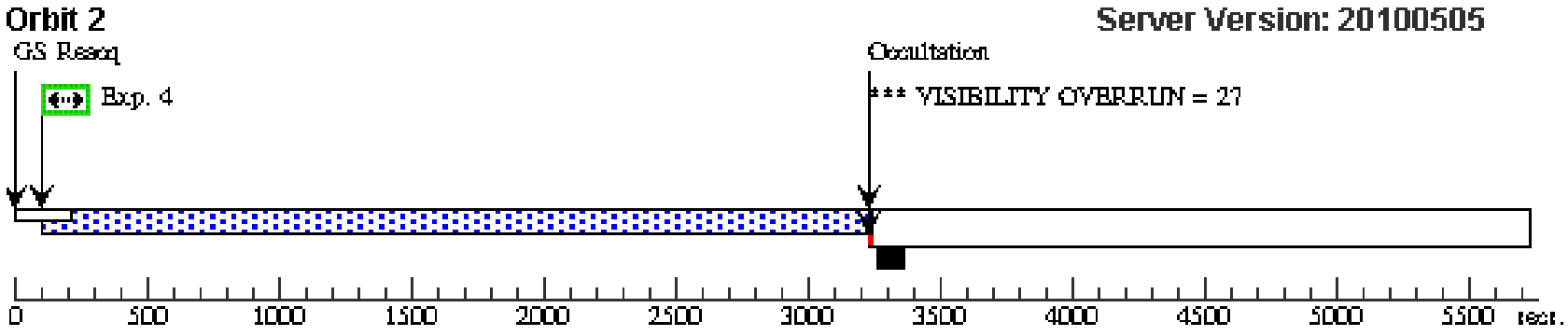
Comments: This object was generated by the targetselector and retrieved from the NED database.

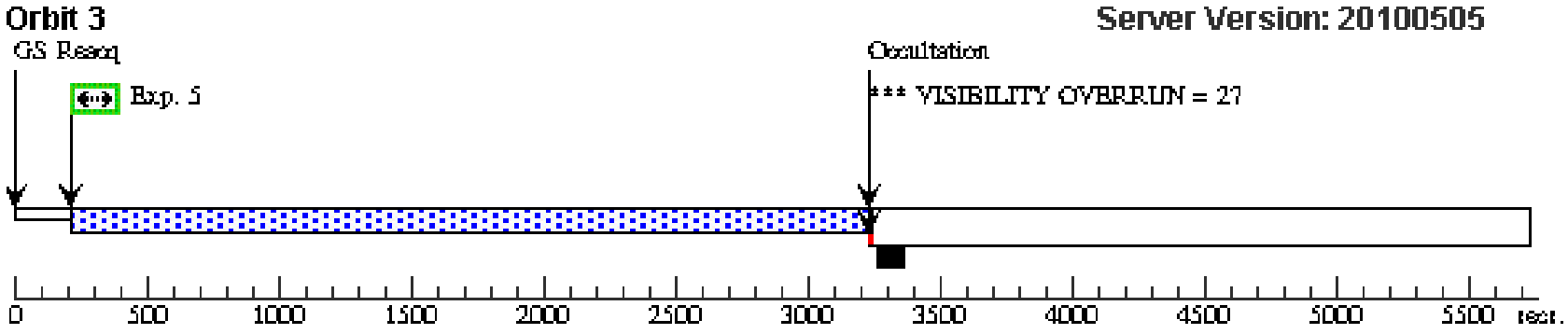
Exposures

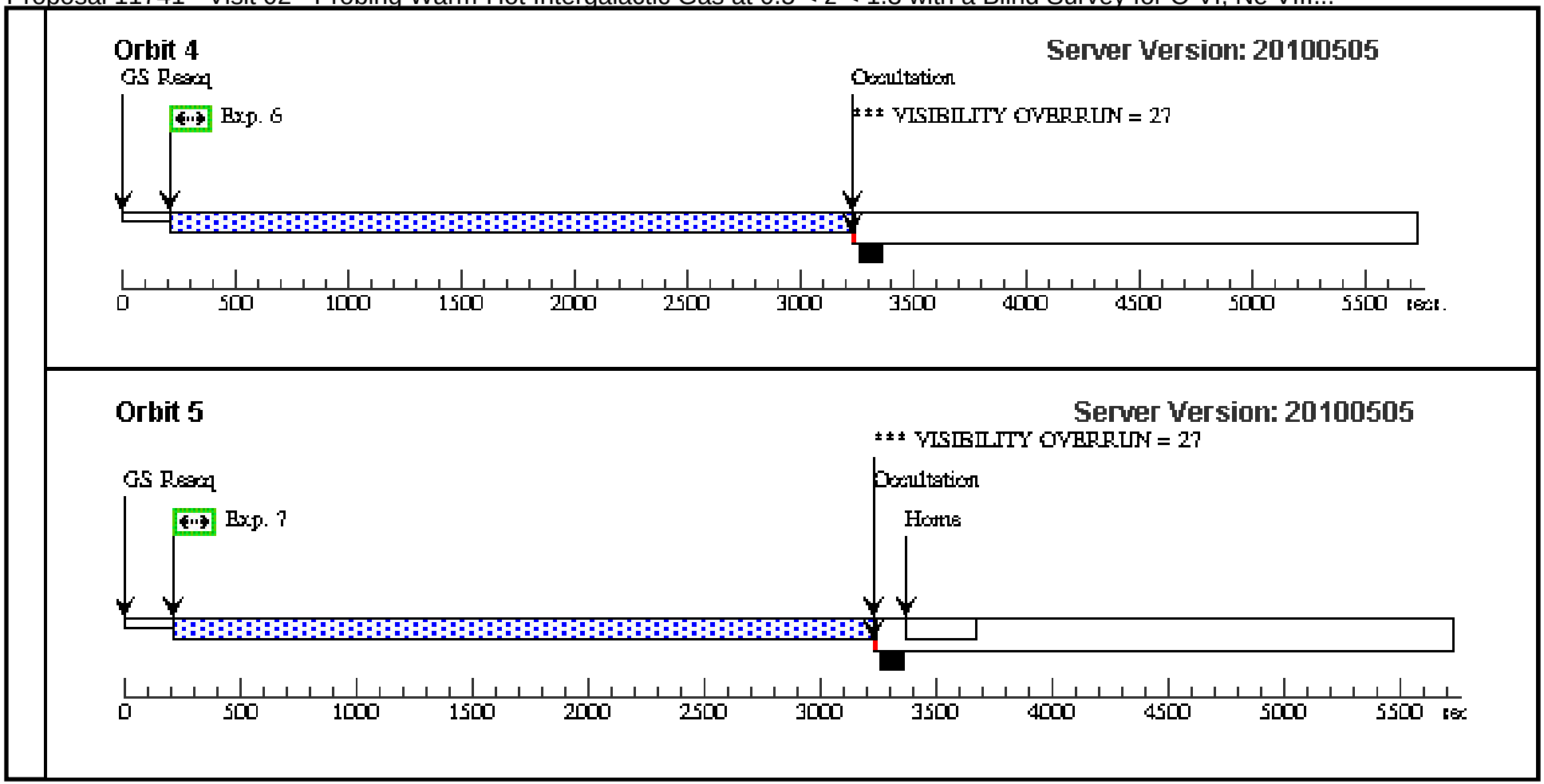
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pks0232_acqsearch	(1) HB89-0232-042	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767	GS ACQ SCENARIO BASE1B3		56.6 Secs *[==>]*	***[1]***
	Comments: Target observed with IUE (1981 and 1989) and FOS (1993). Flux for exposure time based on faintest flux (at 2000 A) from these observations.								
2	pks0232_acqimage	(1) HB89-0232-042	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				56.6 Secs *[==>]*	***[1]***
	Comments: Target observed with IUE (1981 and 1989) and FOS (1993). Flux for exposure time based on faintest flux (at 2000 A) from these observations.								
3	pks0232_g130m6	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2059.0; FP-POS=4; FLASH=YES			2059.0 Secs *[==>]*	***[1]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2423 seconds (ETC COS70915).								
4	pks0232_g160m7	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2975.0; FP-POS=1; FLASH=YES			2975.0 Secs *[==>]*	***[2]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6857 seconds (ETC COS70919). Exposure time is much shorter, so buffer time = exposure time.								
5	pks0232_g160m8	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2975.0; FP-POS=2; FLASH=YES			2975.0 Secs *[==>]*	***[3]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6857 seconds (ETC COS70919). Exposure time is much shorter, so buffer time = exposure time.								
6	pks0232_g160m9	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2975.0; FP-POS=3; FLASH=YES			2975.0 Secs *[==>]*	***[4]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6857 seconds (ETC COS70919). Exposure time is much shorter, so buffer time = exposure time.								
7	pks0232_g160m10	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2975.0; FP-POS=4; FLASH=YES			2975.0 Secs *[==>]*	***[5]***
	Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6857 seconds (ETC COS70919). Exposure time is much shorter, so buffer time = exposure time.								

Orbit Structure





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Visit

Proposal 11741, Visit 03, completed Thu Oct 07 01:04:27 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 03) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 03) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 03) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 03) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

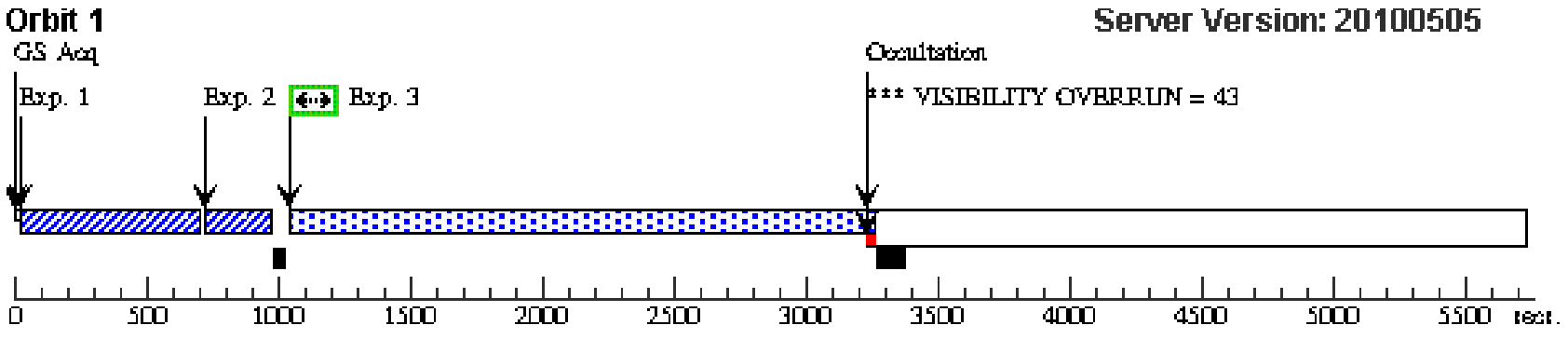
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	HB89-0232-042	RA: 02 35 7.3850 (38.7807708d)	Redshift: 1.434	V=16.5+/-0.1	Reference Frame: ICRS
	Alt Name1: S0FZ002353	Dec: -04 02 5.67 (-4.03491d)		Flambda(1350 A) = 3.0e-15	
	Alt Name2: PKS-0232-04	Equinox: J2000			

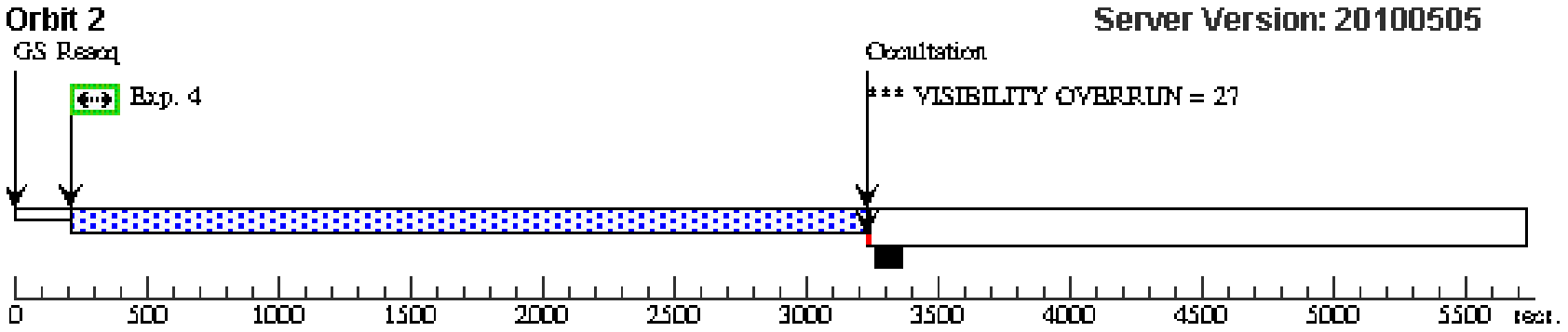
Comments: This object was generated by the targetselector and retrieved from the NED database.

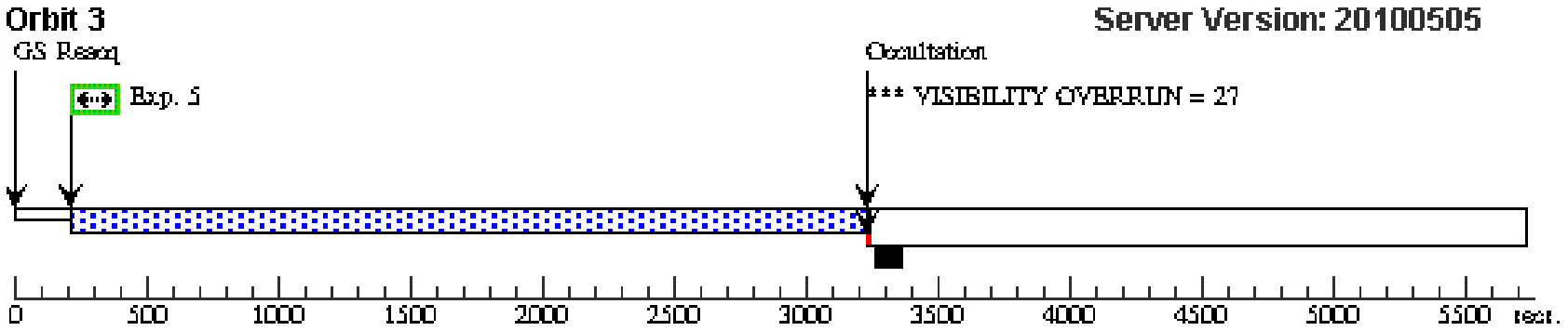
Exposures

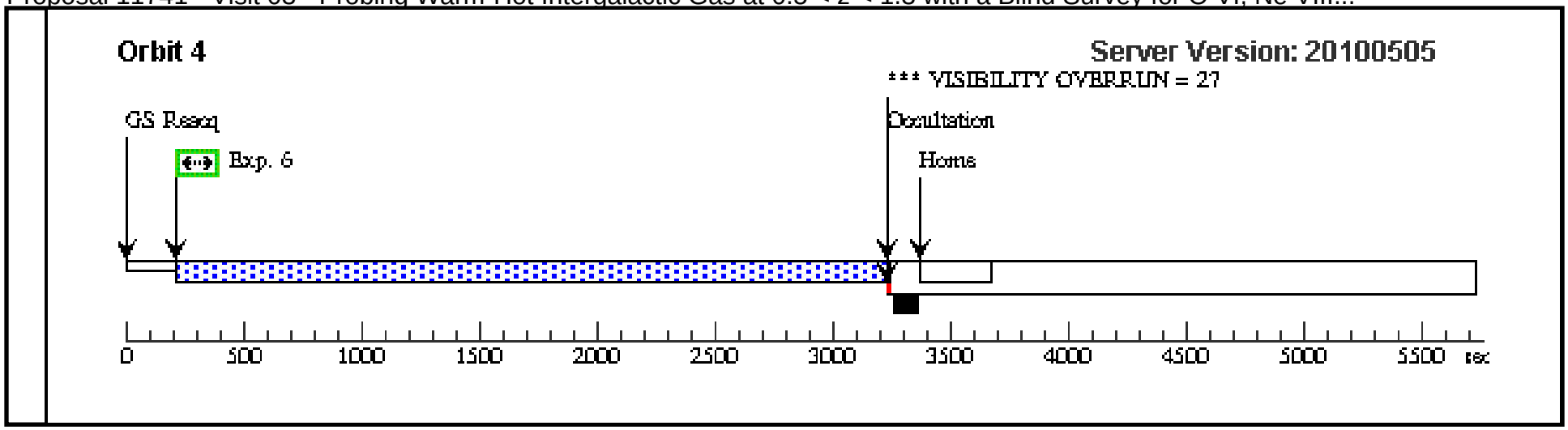
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pks0232_acqsearch	(1) HB89-0232-042	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767	GS ACQ SCENARIO BASE1B3		56.6 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1981 and 1989) and FOS (1993). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
2	pks0232_acqimage	(1) HB89-0232-042	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				56.6 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1981 and 1989) and FOS (1993). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
3	pks0232_g160m11	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2014.0; FP-POS=1; FLASH=YES			2014.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 7227 seconds (ETC COS71805). Exposure time is much shorter, so buffer time = exposure time.									
4	pks0232_g160m12	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2975.0; FP-POS=2; FLASH=YES			2975.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 7227 seconds (ETC COS71805). Exposure time is much shorter, so buffer time = exposure time.									
5	pks0232_g160m13	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2975.0; FP-POS=3; FLASH=YES			2975.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 7227 seconds (ETC COS71805). Exposure time is much shorter, so buffer time = exposure time.									
6	pks0232_g160m14	(1) HB89-0232-042	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2975.0; FP-POS=4; FLASH=YES			2975.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1982, 1989, and 1992) and FOS (1993). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 7227 seconds (ETC COS71805). Exposure time is much shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
Server Version: 20100505
*** VISIBILITY OVERRUN = 27
GS Reacq
Exp. 6
Occultation
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 04, completed Thu Oct 07 01:04:28 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 04) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 04) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 04) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 04) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 04) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

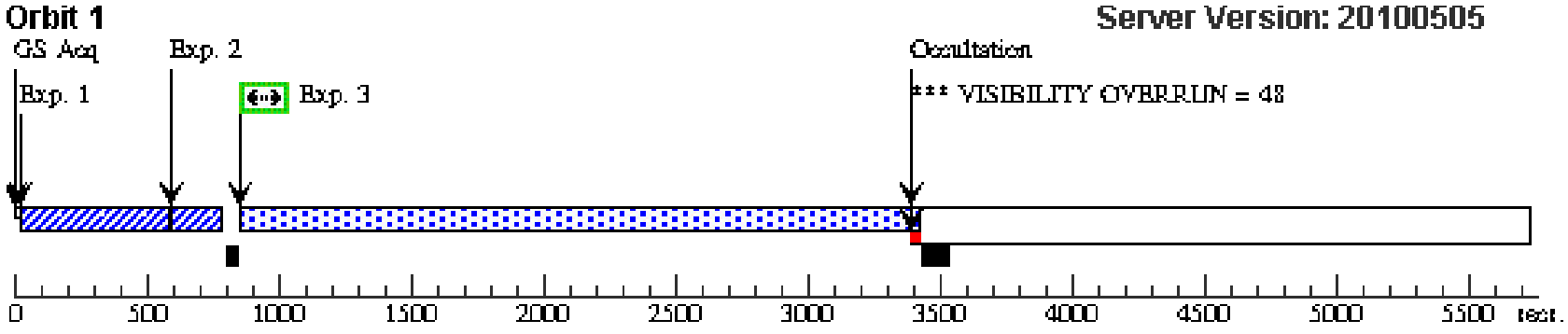
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	PG-1206+459	RA: 12 08 58.0110 (182.2417125d)	Redshift: 1.158	V=15.66+/-0.1	Reference Frame: ICRS
	Alt Name1: N5J7005774	Dec: +45 40 35.48 (45.67652d)		Flambda(1350 A) = 3.0e-15	
	Alt Name2: SDSS120858.01+454035.5	Equinox: J2000			

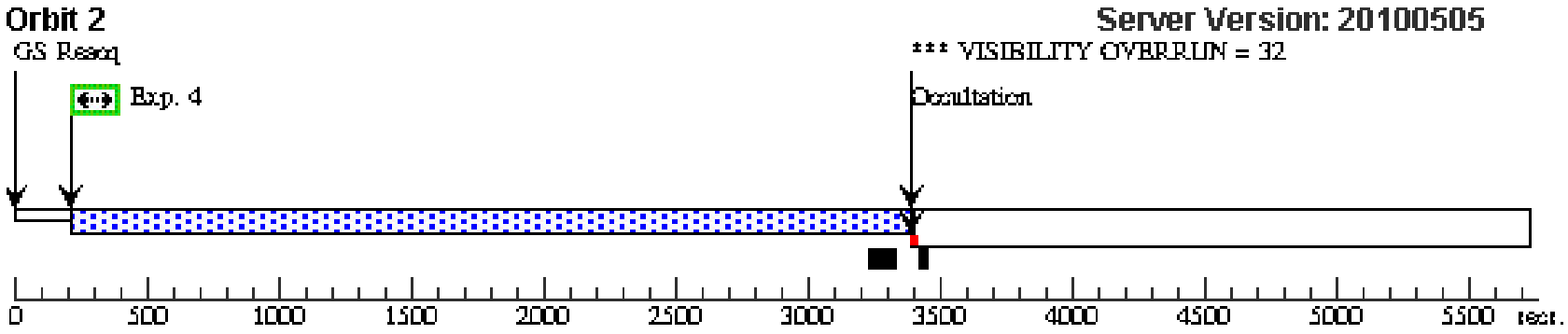
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

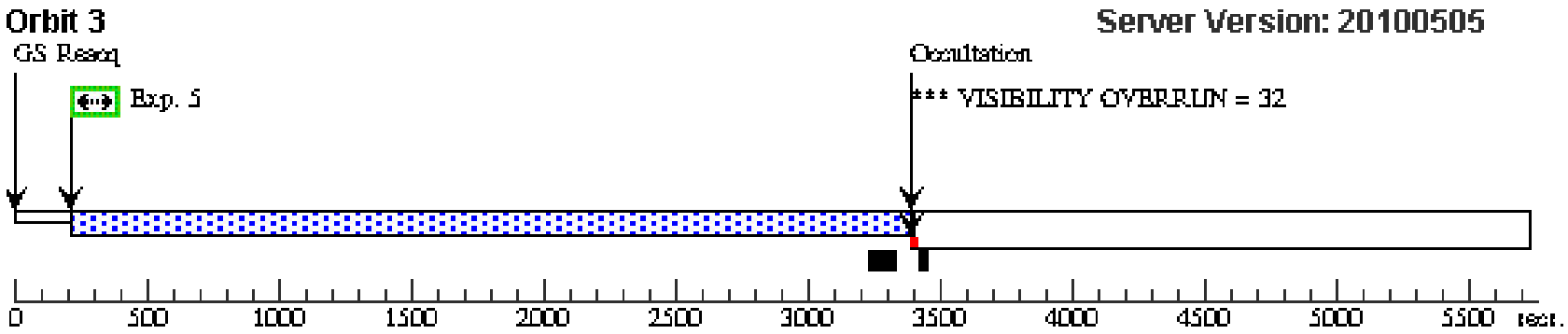
Exposures

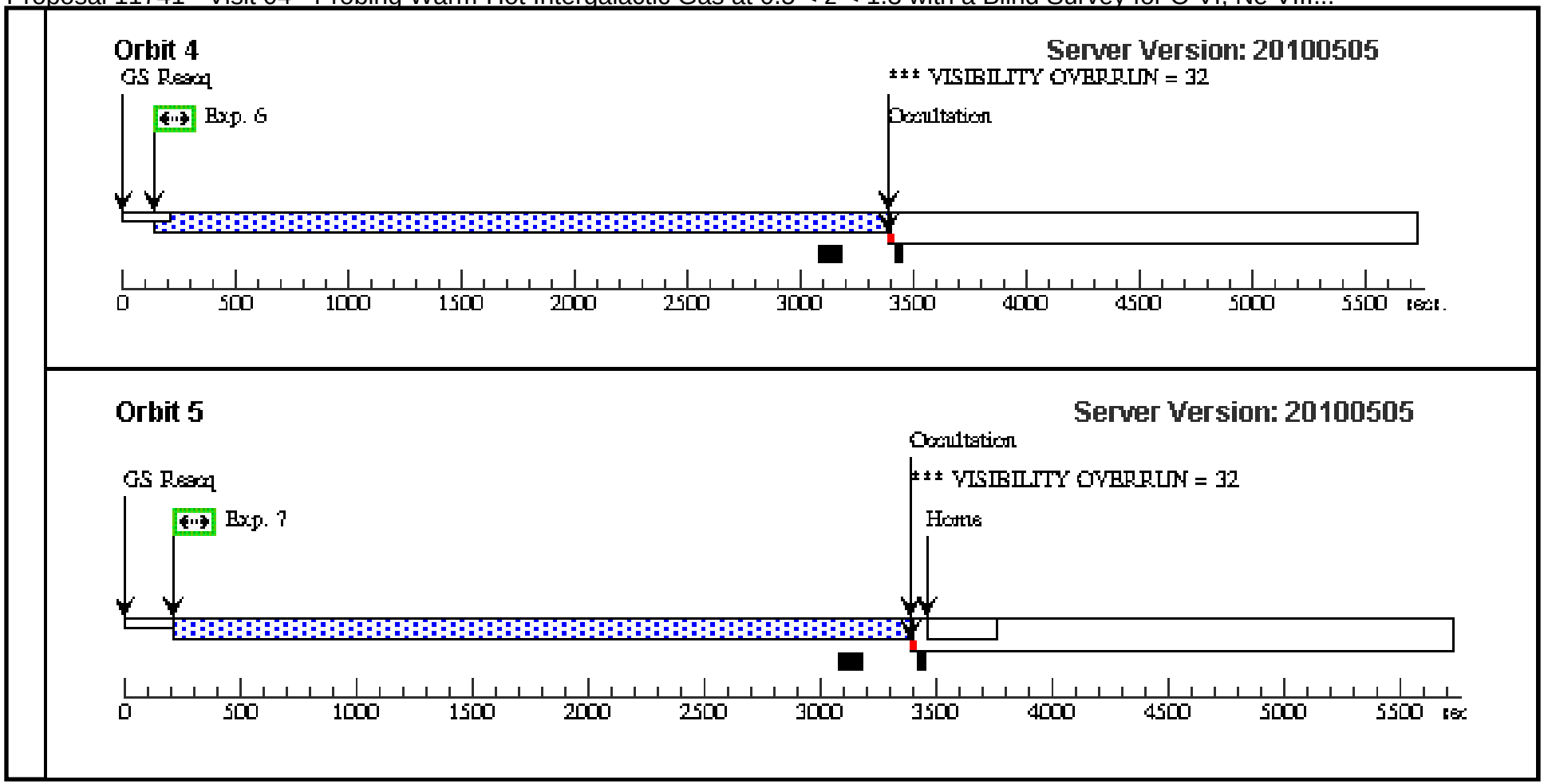
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1206_acq search	(3) PG-1206+459	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1983) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
2	pg1206_acqimage	(3) PG-1206+459	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1983) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
3	pg1206_g130m1	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2406.0; FP-POS=1; FLASH=YES			2406.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2978 seconds (ETC COS71806). Exposure time is much shorter, so buffer time = exposure time.									
4	pg1206_g130m2	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2978.0; FP-POS=3; FLASH=YES			3137.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2978 seconds (ETC COS71806).									
5	pg1206_g130m3	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2978.0; FP-POS=4; FLASH=YES			3137.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2978 seconds (ETC COS71806).									
6	pg1206_g130m4	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2834.0; FP-POS=1; FLASH=YES			3137.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2834 seconds (ETC COS71807).									
7	pg1206_g130m5	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2834.0; FP-POS=3; FLASH=YES			3137.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2834 seconds (ETC COS71807).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
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Exp. 6
Occultation
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5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 32
Exp. 7
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1000
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2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 05, completed Thu Oct 07 01:04:29 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 05) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 05) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 05) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 05) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 05) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

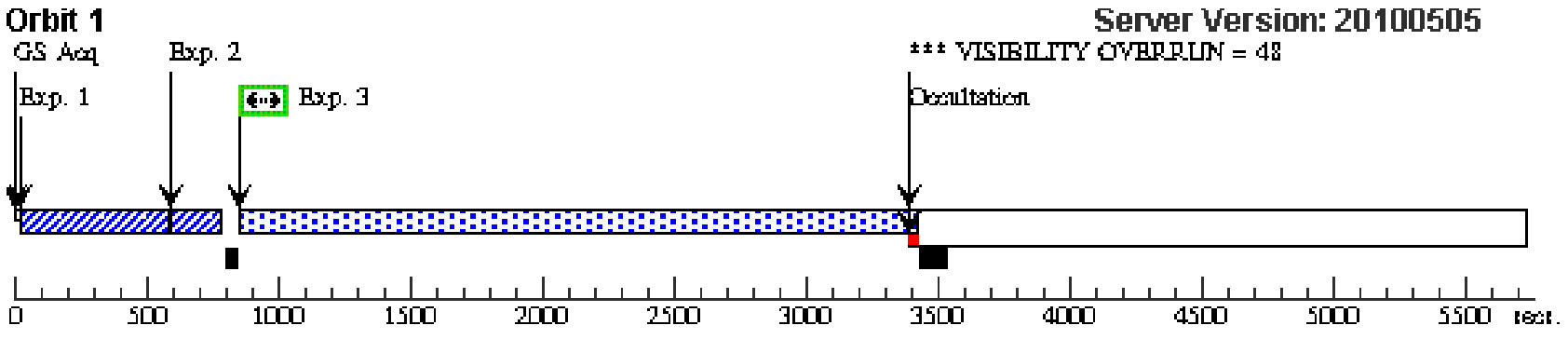
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	PG-1206+459	RA: 12 08 58.0110 (182.2417125d)	Redshift: 1.158	V=15.66+/-0.1	Reference Frame: ICRS
	Alt Name1: N5J7005774	Dec: +45 40 35.48 (45.67652d)		Flambda(1350 A) = 3.0e-15	
	Alt Name2: SDSS120858.01+454035.5	Equinox: J2000			

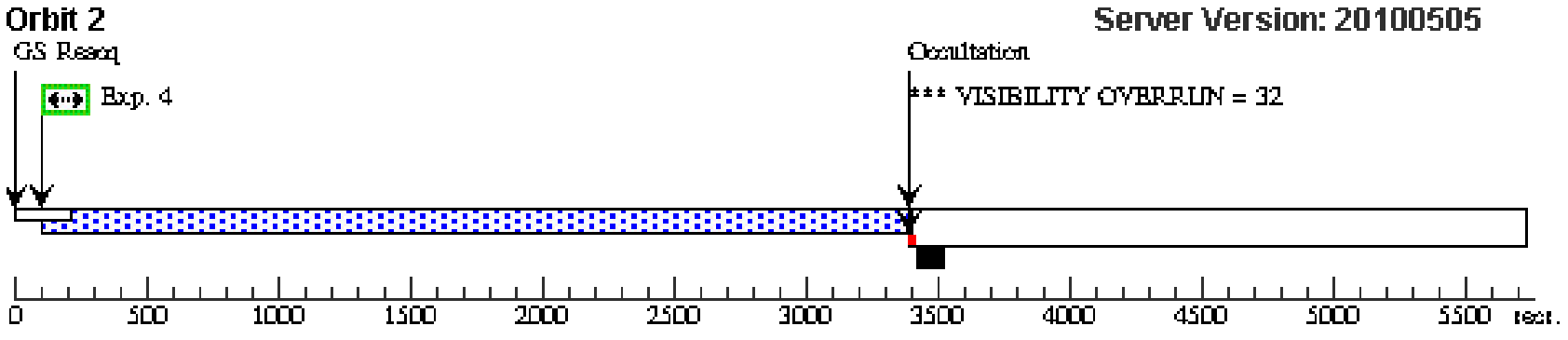
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

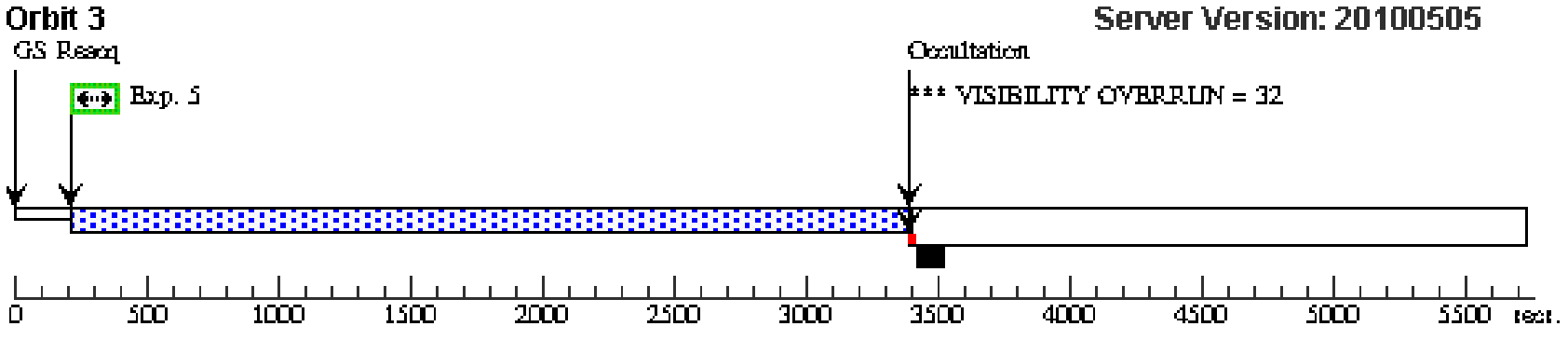
Exposures

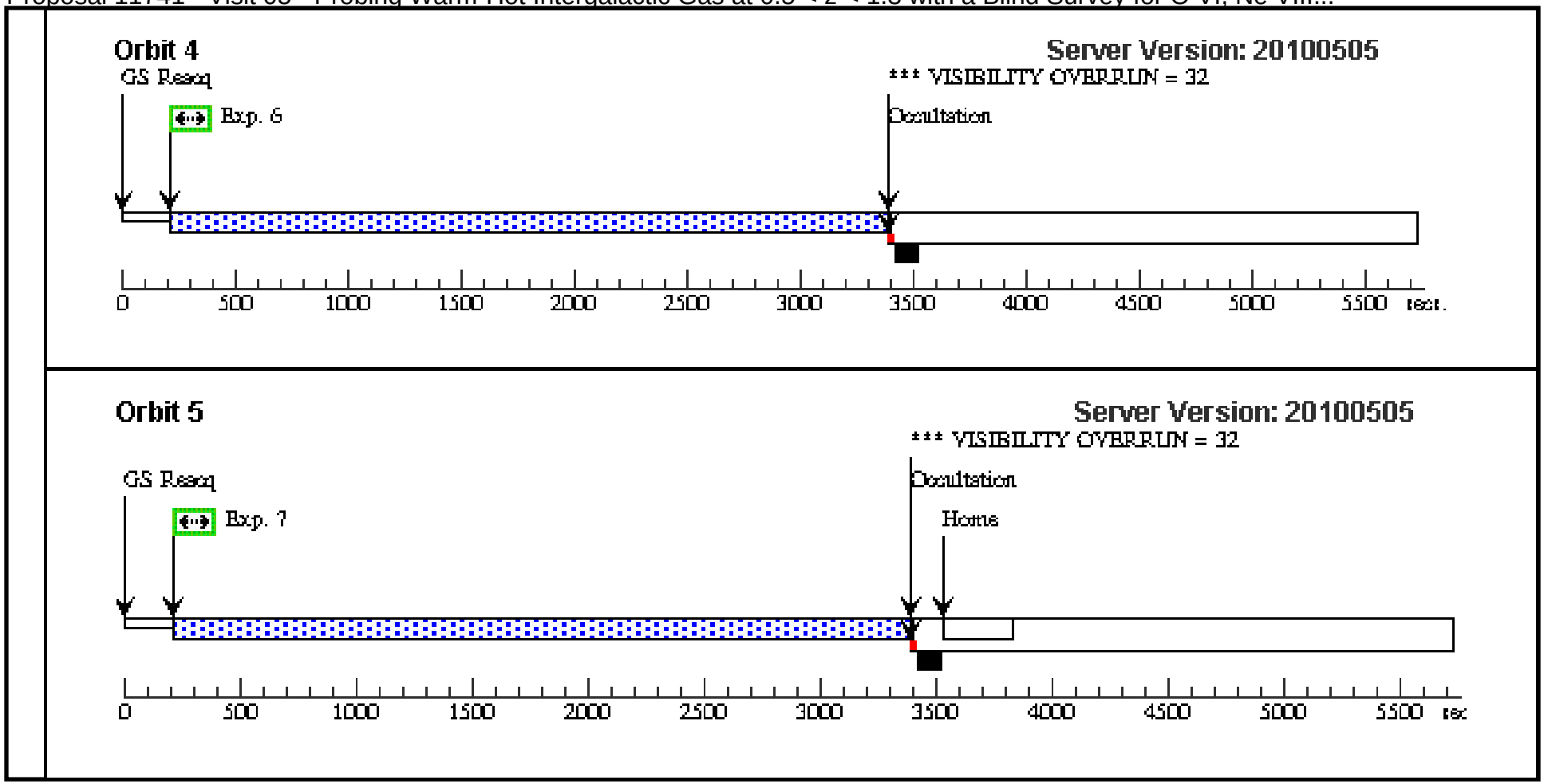
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1206_acq search	(3) PG-1206+459	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1983) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
2	pg1206_acqimage	(3) PG-1206+459	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1983) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
3	pg1206_g130m6	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2406.0; FP-POS=4; FLASH=YES			2406.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2834 seconds (ETC COS71807).									
4	pg1206_g160m7	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3137.0; FP-POS=1; FLASH=YES			3137.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 11475 seconds (ETC COS71809). Exposure time is much shorter, so buffer time = exposure time.									
5	pg1206_g160m8	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3137.0; FP-POS=2; FLASH=YES			3137.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 11475 seconds (ETC COS71809). Exposure time is much shorter, so buffer time = exposure time.									
6	pg1206_g160m9	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3137.0; FP-POS=3; FLASH=YES			3137.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 11475 seconds (ETC COS71809). Exposure time is much shorter, so buffer time = exposure time.									
7	pg1206_g160m10	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3137.0; FP-POS=4; FLASH=YES			3137.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 11475 seconds (ETC COS71809). Exposure time is much shorter, so buffer time = exposure time.									

Orbit Structure





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Server Version: 20100505
GS Reacq
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Exp. 6
Occultation
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5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 32
GS Reacq
Occultation
Exp. 7
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1000
1500
2000
2500
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3500
4000
4500
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5500
sec

Visit

Proposal 11741, Visit 06, completed Thu Oct 07 01:04:30 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 06) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 06) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 06) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 06) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

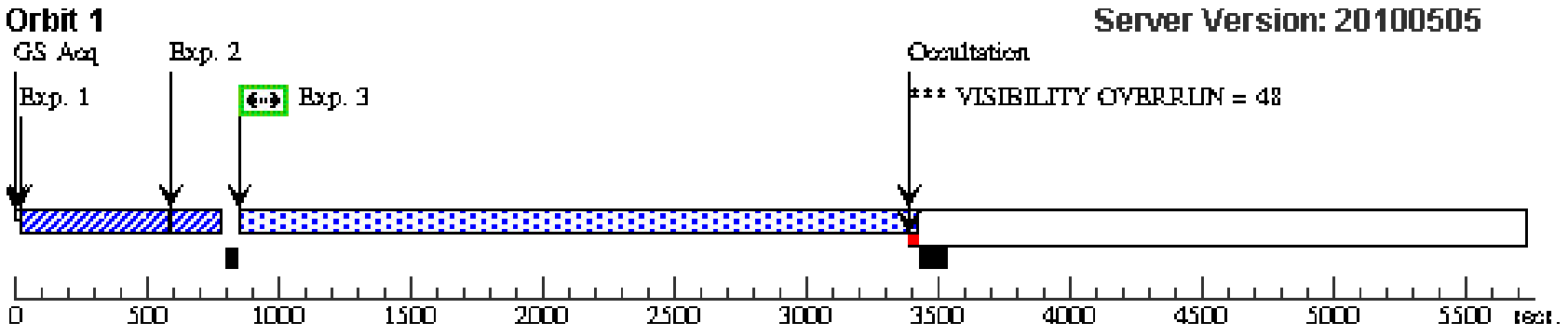
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	PG-1206+459 Alt Name1: N5J7005774 Alt Name2: SDSS120858.01+454035.5	RA: 12 08 58.0110 (182.2417125d) Dec: +45 40 35.48 (45.67652d) Equinox: J2000	Redshift: 1.158	V=15.66+/-0.1 Flambda(1350 A) = 3.0e-15	Reference Frame: ICRS

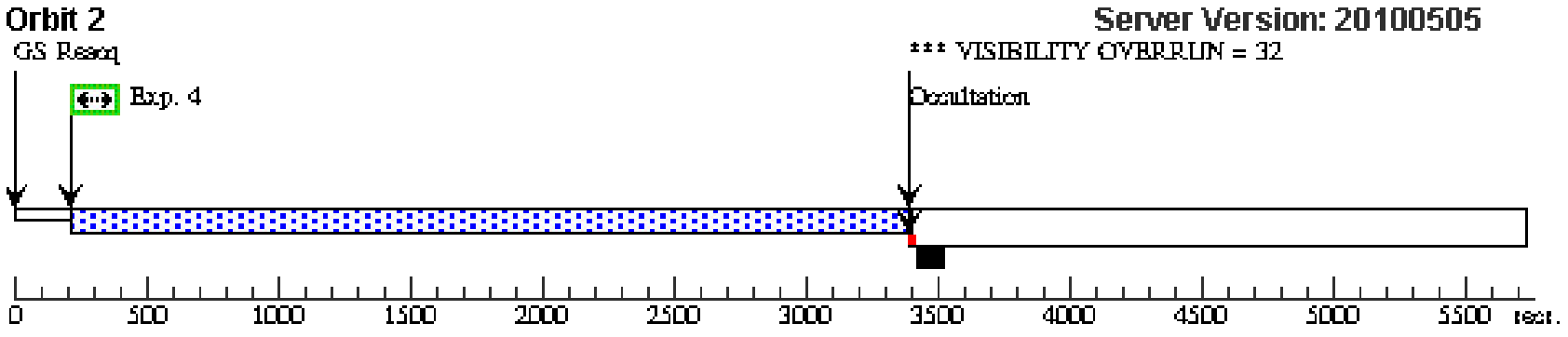
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

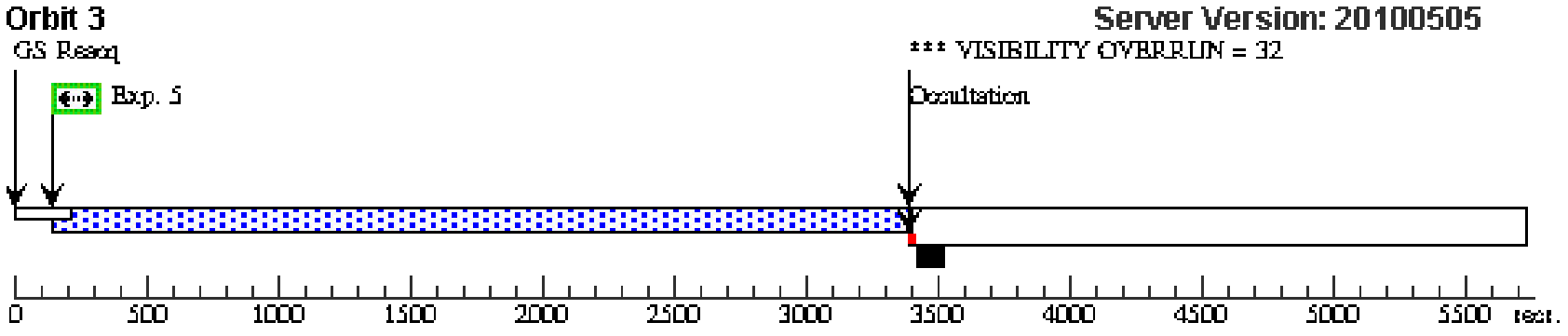
Exposures

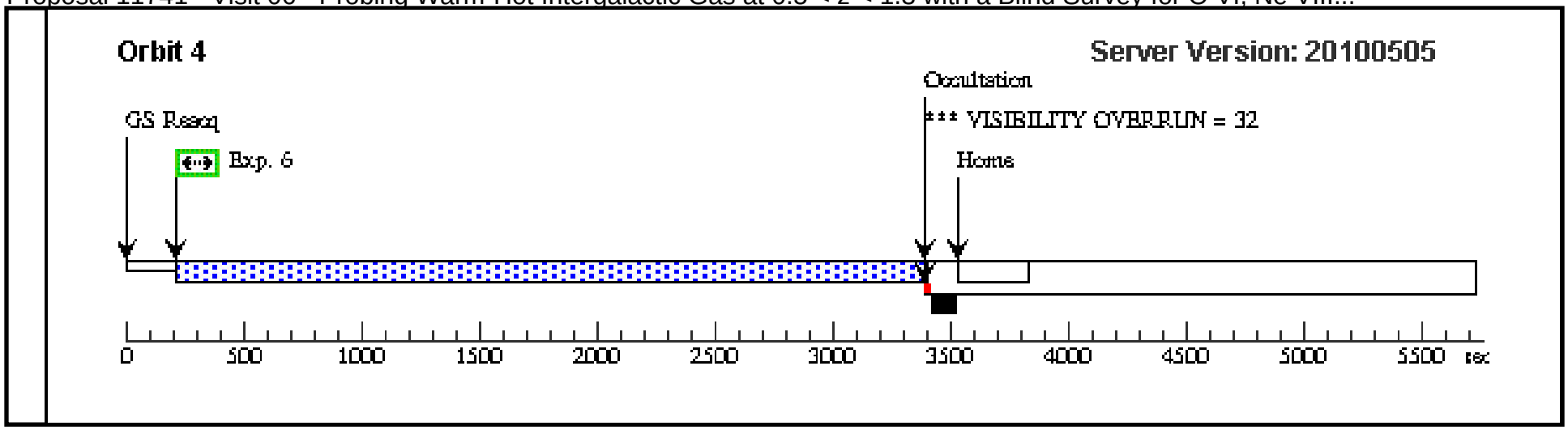
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1206_acq search	(3) PG-1206+459	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			25.8 Secs *[==>]*	*[1]*
Comments: Target observed with IUE (1983) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
2	pg1206_acqimage	(3) PG-1206+459	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.8 Secs *[==>]*	*[1]*
Comments: Target observed with IUE (1983) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
3	pg1206_g160m11	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2361.0; FP-POS=1; FLASH=YES			2361.0 Secs *[==>]*	*[1]*
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 11475 seconds (ETC COS71809). Exposure time is much shorter, so buffer time = exposure time.									
4	pg1206_g160m12	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3137.0; FP-POS=2; FLASH=YES			3137.0 Secs *[==>]*	*[2]*
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 11475 seconds (ETC COS71809). Exposure time is much shorter, so buffer time = exposure time.									
5	pg1206_g160m13	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3137.0; FP-POS=3; FLASH=YES			3137.0 Secs *[==>]*	*[3]*
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 12000 seconds (ETC COS71810). Exposure time is much shorter, so buffer time = exposure time.									
6	pg1206_g160m14	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3137.0; FP-POS=4; FLASH=YES			3137.0 Secs *[==>]*	*[4]*
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 12000 seconds (ETC COS71810). Exposure time is much shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
Server Version: 20100505
Occultation
GS Reacq
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4500
5000
5500
sec

Visit

Proposal 11741, Visit 07, completed Thu Oct 07 01:04:31 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 07) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 07) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 07) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 07) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

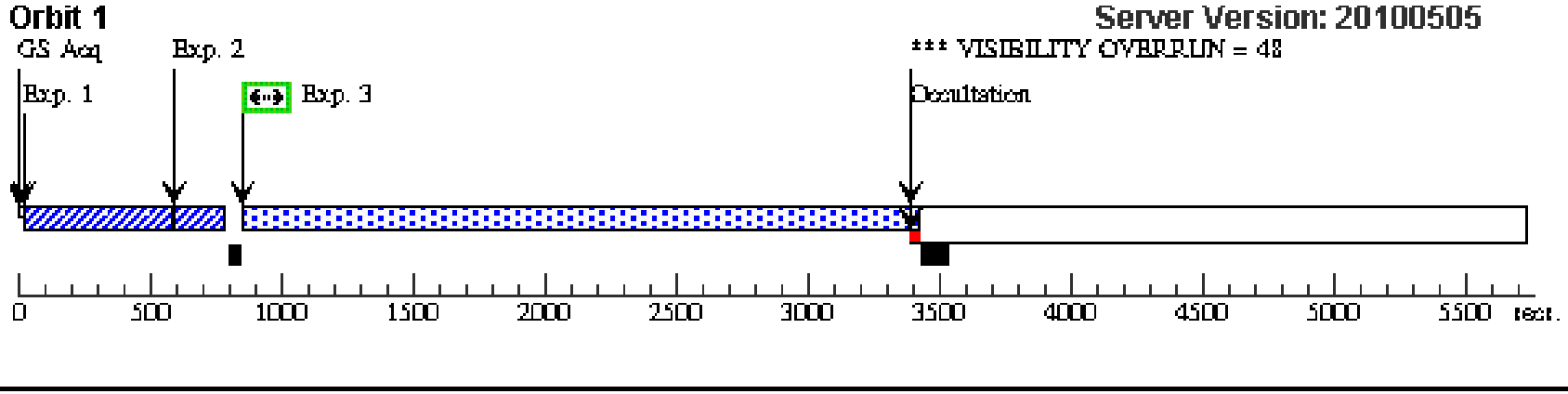
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	PG-1206+459 Alt Name1: N5J7005774 Alt Name2: SDSS120858.01+454035.5	RA: 12 08 58.0110 (182.2417125d) Dec: +45 40 35.48 (45.67652d) Equinox: J2000	Redshift: 1.158	V=15.66+/-0.1 Flambda(1350 A) = 3.0e-15	Reference Frame: ICRS

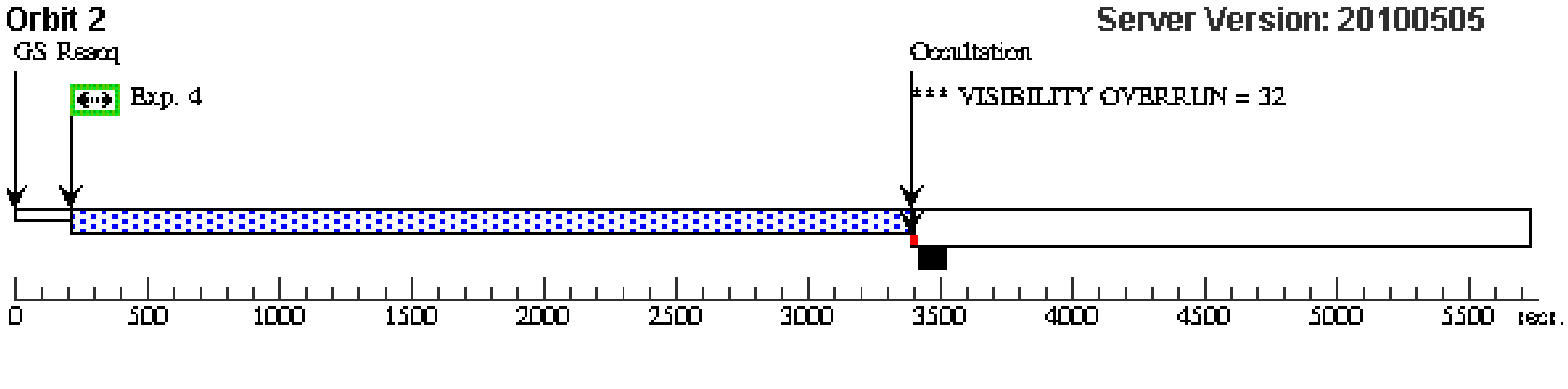
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

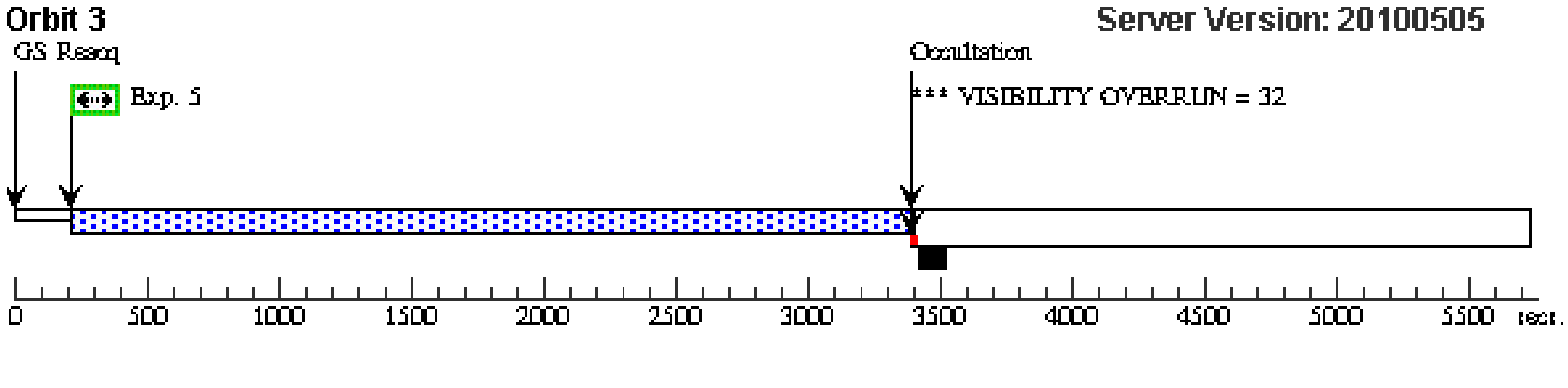
Exposures

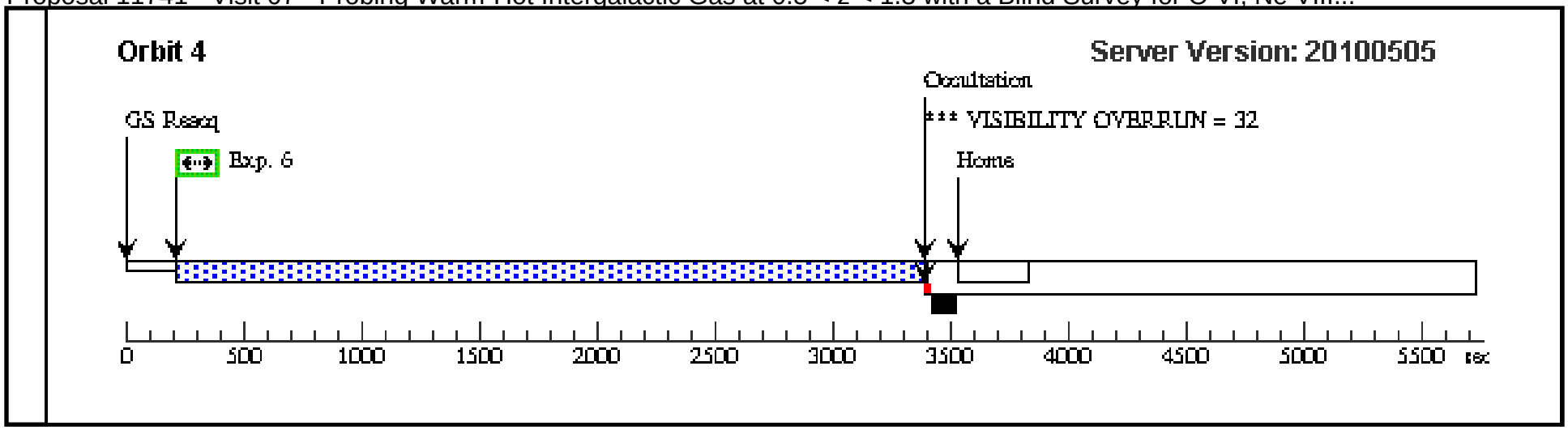
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1206_acq search	(3) PG-1206+459	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			25.8 Secs *[==>]*	*[1]*
Comments: Target observed with IUE (1983) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
2	pg1206_acqimage	(3) PG-1206+459	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.8 Secs *[==>]*	*[1]*
Comments: Target observed with IUE (1983) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
3	pg1206_g160m15	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2361.0; FP-POS=1; FLASH=YES			2361.0 Secs *[==>]*	*[1]*
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 12000 seconds (ETC COS71810). Exposure time is much shorter, so buffer time = exposure time.									
4	pg1206_g160m16	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3137.0; FP-POS=2; FLASH=YES			3137.0 Secs *[==>]*	*[2]*
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 12000 seconds (ETC COS71810). Exposure time is much shorter, so buffer time = exposure time.									
5	pg1206_g160m17	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3137.0; FP-POS=3; FLASH=YES			3137.0 Secs *[==>]*	*[3]*
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 12000 seconds (ETC COS71810). Exposure time is much shorter, so buffer time = exposure time.									
6	pg1206_g160m18	(3) PG-1206+459	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3137.0; FP-POS=4; FLASH=YES			3137.0 Secs *[==>]*	*[4]*
Comments: Target observed in FUV with IUE (1983) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 12000 seconds (ETC COS71810). Exposure time is much shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
Server Version: 20100505
Occultation
*** VISIBILITY OVERRUN = 32
GS Reacq
Exp. 6
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500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 08, completed Thu Oct 07 01:04:32 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 08) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 08) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 08) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 08) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 08) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

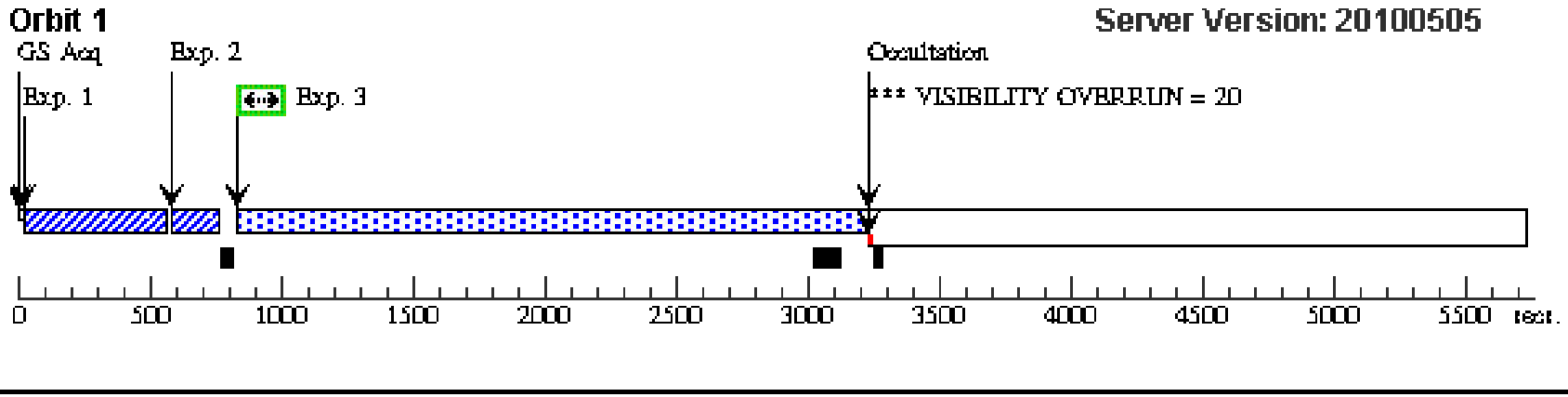
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	LBQS-1435-0134	RA: 14 37 48.2840 (219.4511833d)	Redshift: 1.30791	V=15.75+/-0.1	Reference Frame: ICRS
	Alt Name1: S6RF007146	Dec: -01 47 10.78 (-1.78633d)		Flambda(1350Ang) = 8.0e-15,	
	Alt Name2: SDSSJ143748.29-014710.8	Equinox: J2000		GALEX NUV mag = 16.64	

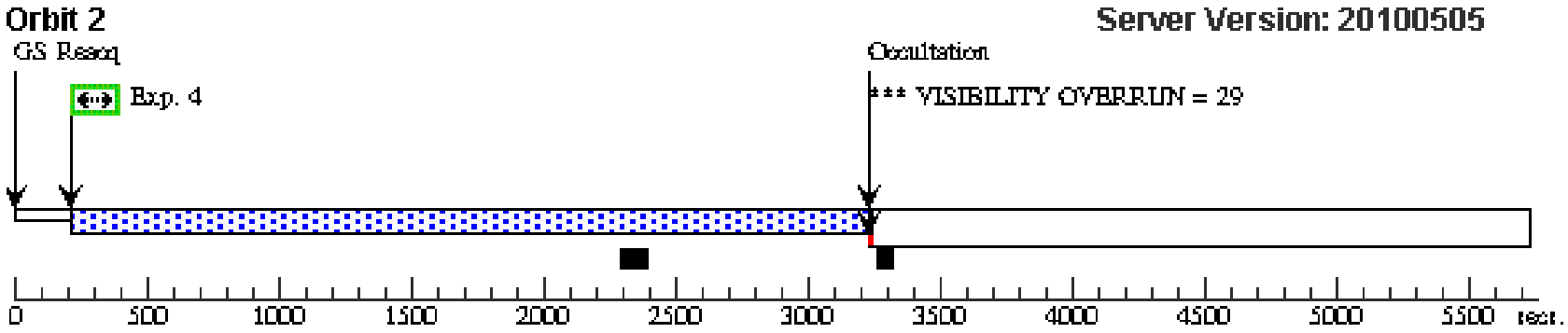
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinates verified from Sloan Digital Sky Survey.

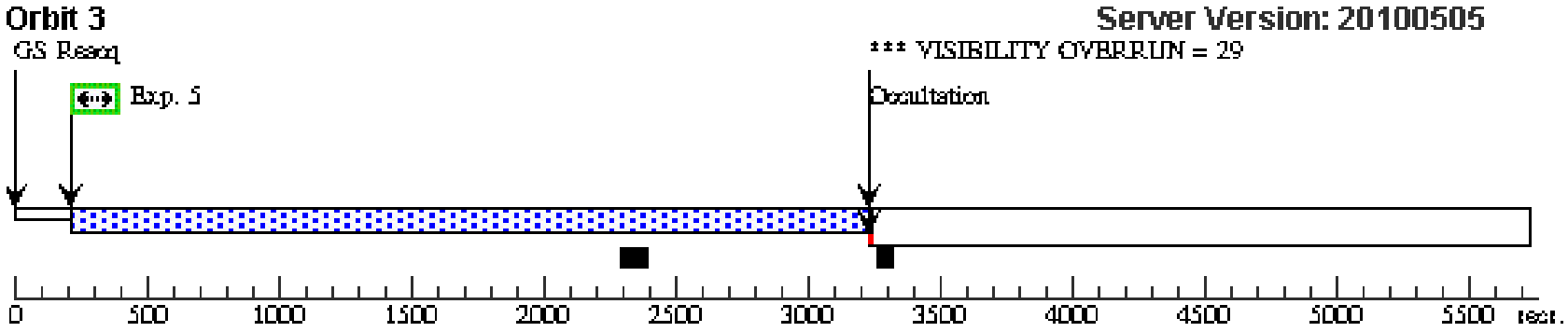
Exposures

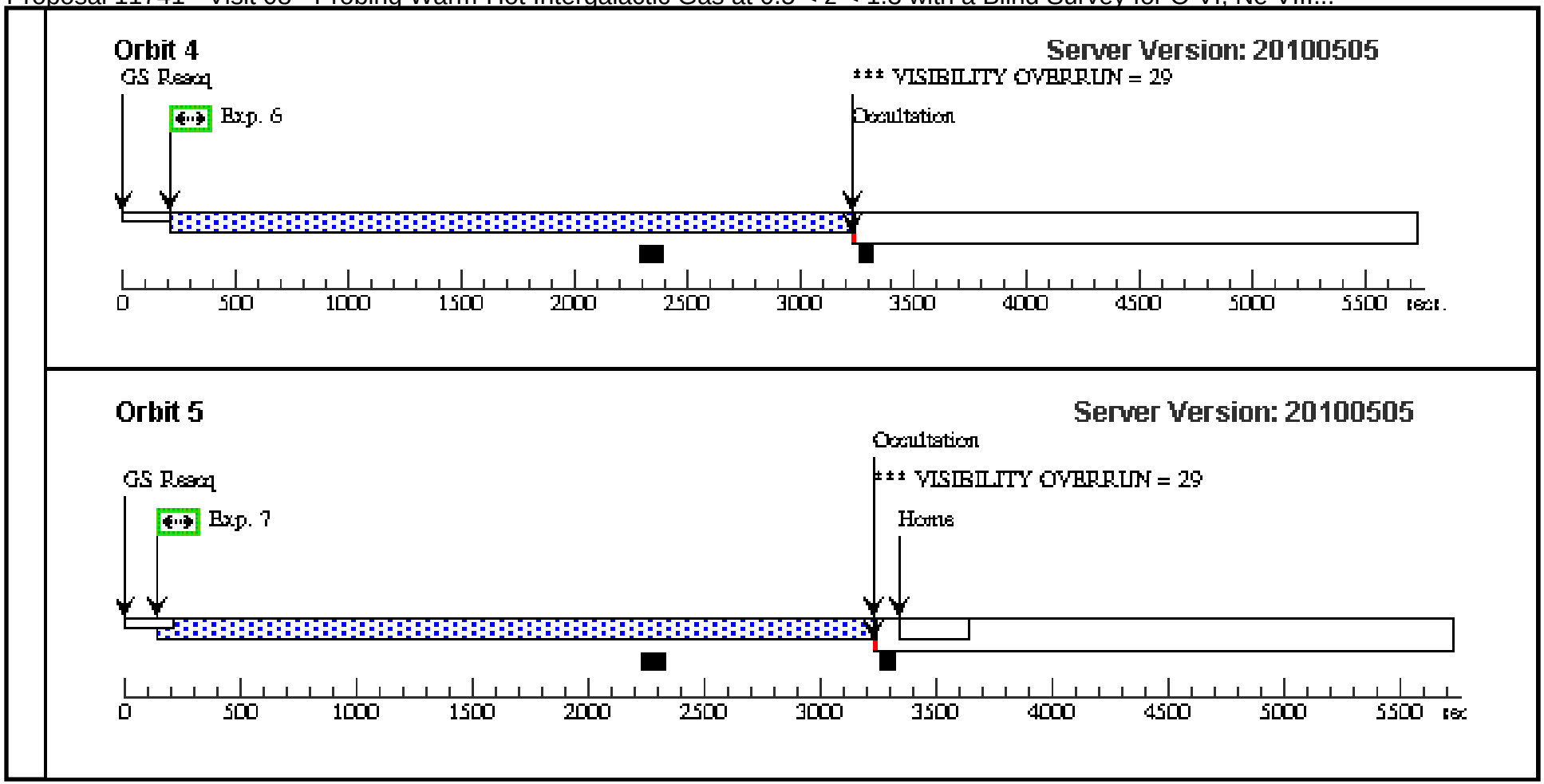
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	lbqs1435_acqsearch	(11) LBQS-1435-01 34	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			22.1 Secs *[==>]*	 ***[1]***
	Comments: Target observed in NUV with FOS. NUV and FUV magnitudes also available from GALEX archive, and are consistent with FOS data. Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).								
2	lbqs1435_acqimage	(11) LBQS-1435-01 34	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.1 Secs *[==>]*	 ***[1]***
	Comments: Target observed in FUV and NUV with FOS. NUV and FUV magnitudes also available from GALEX archive, and are consistent with FOS data. Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).								
3	lbqs1435_g130m1	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2043.0; FP-POS=1; FLASH=YES			2242.0 Secs *[==>]*	 ***[1]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2043 seconds.								
4	lbqs1435_g130m2	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2043.0; FP-POS=2; FLASH=YES			2977.0 Secs *[==>]*	 ***[2]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2043 seconds.								
5	lbqs1435_g130m3	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2043.0; FP-POS=3; FLASH=YES			2977.0 Secs *[==>]*	 ***[3]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2043 seconds.								
6	lbqs1434_g130m4	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2043.0; FP-POS=4; FLASH=YES			2977.0 Secs *[==>]*	 ***[4]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2043 seconds.								
7	lbqs1435_g130m5	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1981.0; FP-POS=1; FLASH=YES			2977.0 Secs *[==>]*	 ***[5]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1981 seconds.								

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
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Exp. 6
Occultation
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3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 29
Exp. 7
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4500
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5500
sec

Visit

Proposal 11741, Visit 09, completed Thu Oct 07 01:04:33 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

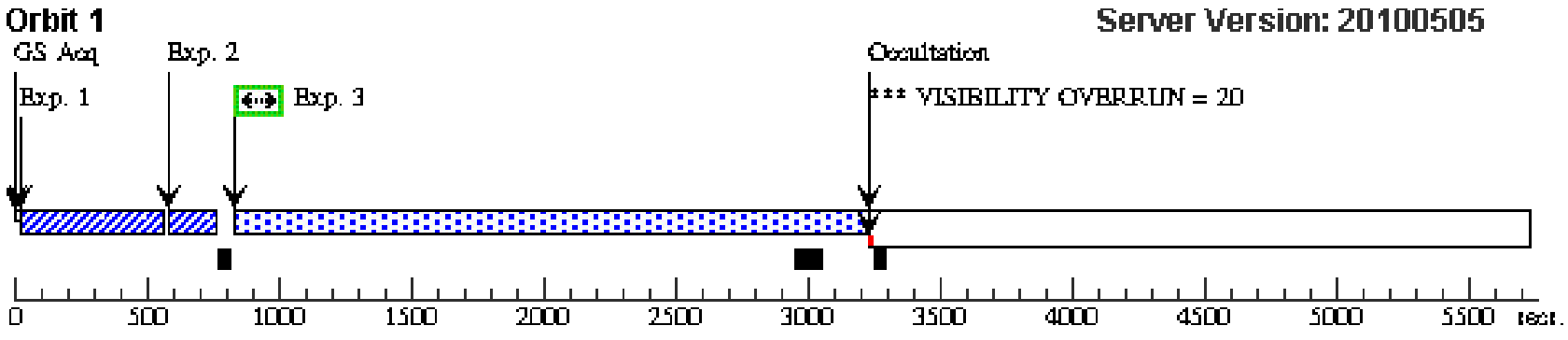
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	LBQS-1435-0134	RA: 14 37 48.2840 (219.4511833d)	Redshift: 1.30791	V=15.75+/-0.1	Reference Frame: ICRS
	Alt Name1: S6RF007146	Dec: -01 47 10.78 (-1.78633d)		Flambda(1350Ang) = 8.0e-15,	
	Alt Name2: SDSSJ143748.29-014710.8	Equinox: J2000		GALEX NUV mag = 16.64	

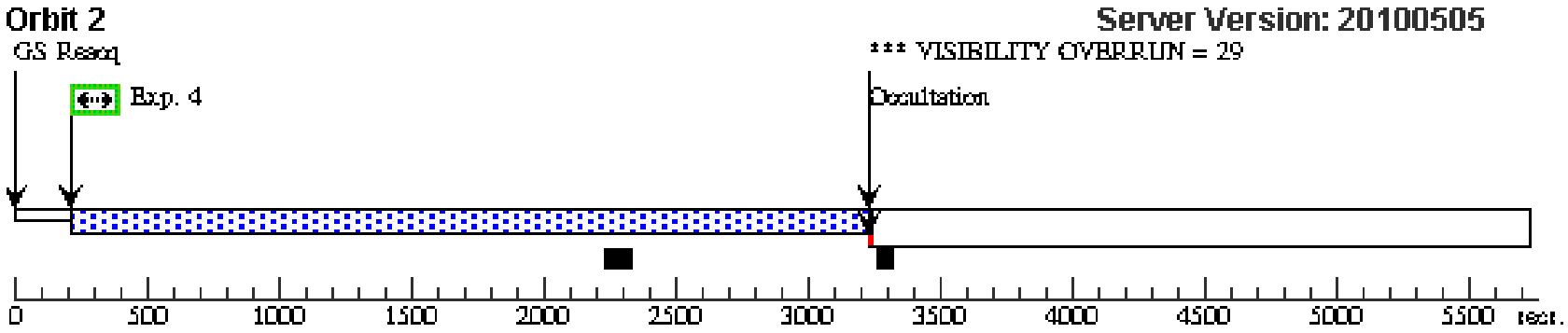
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinates verified from Sloan Digital Sky Survey.

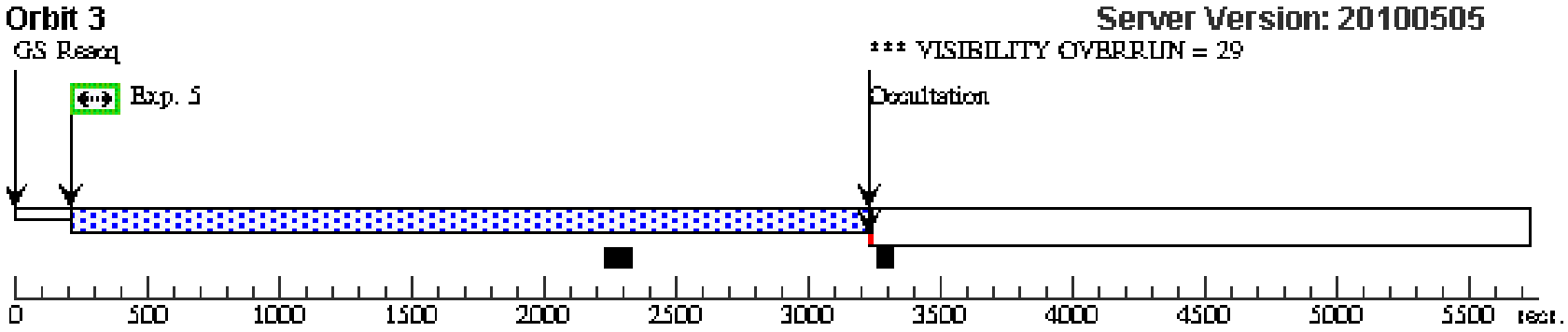
Exposures

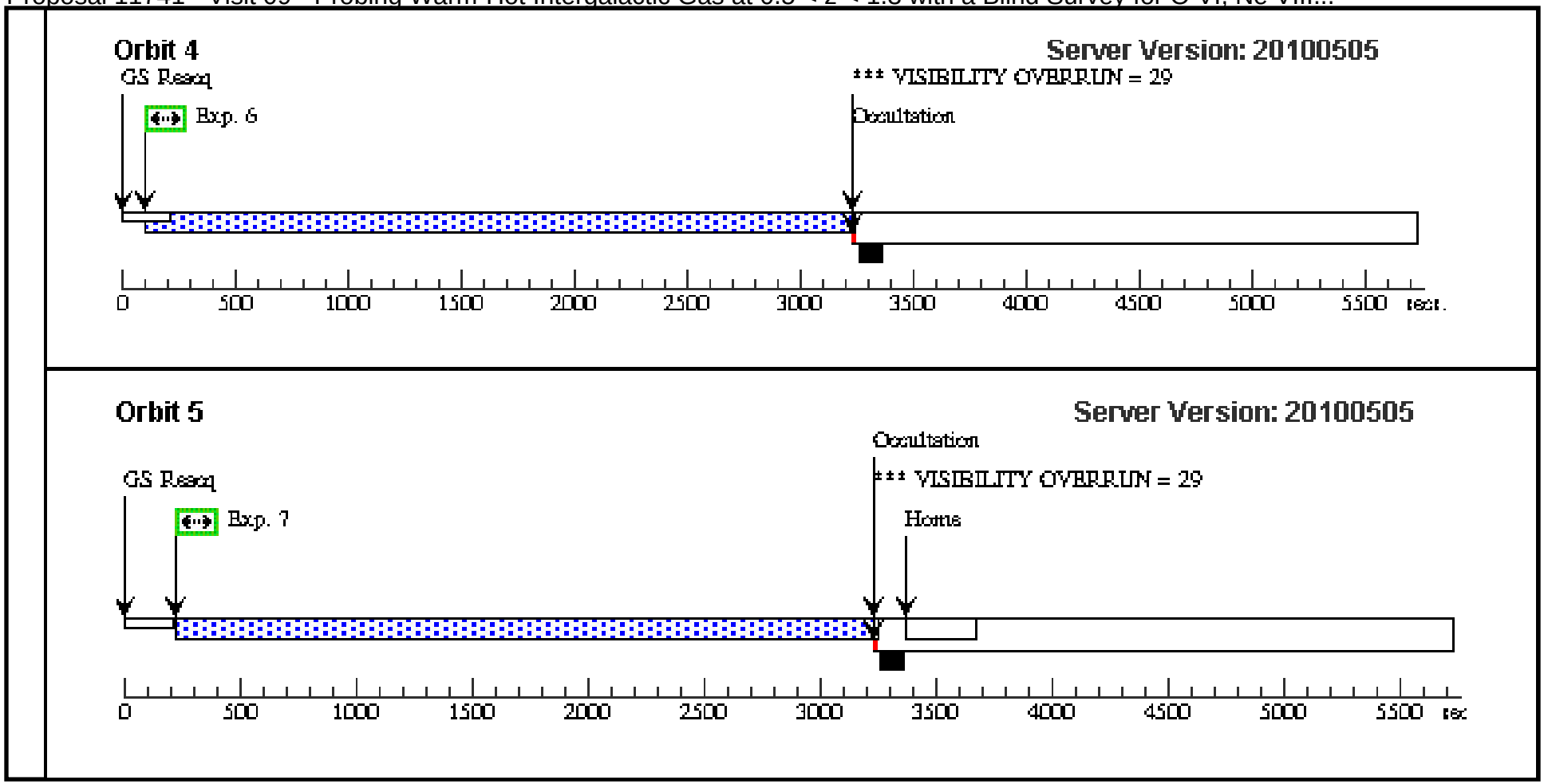
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	lbqs1435_acqsearch	(11) LBQS-1435-01 34	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			22.1 Secs *[==>]*	 ***[1]***
	Comments: Target observed in NUV with FOS. NUV and FUV magnitudes also available from GALEX archive, and are consistent with FOS data. Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).								
2	lbqs1435_acqimage	(11) LBQS-1435-01 34	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.1 Secs *[==>]*	 ***[1]***
	Comments: Target observed in NUV with FOS. NUV and FUV magnitudes also available from GALEX archive, and are consistent with FOS data. Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability)..								
3	lbqs1435_g130m6	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1981.0; FP-POS=2; FLASH=YES			2242.0 Secs *[==>]*	 ***[1]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1981 seconds.								
4	lbqs1435_g130m7	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1981.0; FP-POS=3; FLASH=YES			2977.0 Secs *[==>]*	 ***[2]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1981 seconds.								
5	lbqs1435_g130m8	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1981.0; FP-POS=4; FLASH=YES			2977.0 Secs *[==>]*	 ***[3]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1981 seconds.								
6	lbqs1435_g160m9	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=4601.0; FP-POS=3; FLASH=YES			2977.0 Secs *[==>]*	 ***[4]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4601 seconds. Exposure time is shorter, so buffer time = exposure time.								
7	lbqs1435_g160m10	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=4601.0; FP-POS=3; FLASH=YES			2977.0 Secs *[==>]*	 ***[5]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4601 seconds. Exposure time is shorter, so buffer time = exposure time.								

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
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Exp. 6
Occultation
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4000
4500
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5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
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Exp. 7
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3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 10, completed Thu Oct 07 01:04:34 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

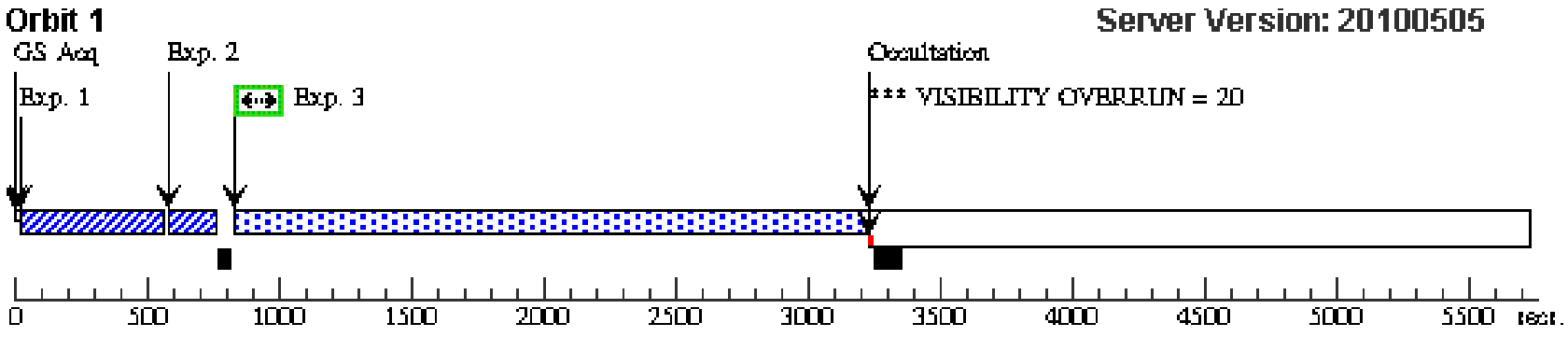
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	LBQS-1435-0134	RA: 14 37 48.2840 (219.4511833d)	Redshift: 1.30791	V=15.75+/-0.1	Reference Frame: ICRS
	Alt Name1: S6RF007146	Dec: -01 47 10.78 (-1.78633d)		Flambda(1350Ang) = 8.0e-15,	
	Alt Name2: SDSSJ143748.29-014710.8	Equinox: J2000		GALEX NUV mag = 16.64	

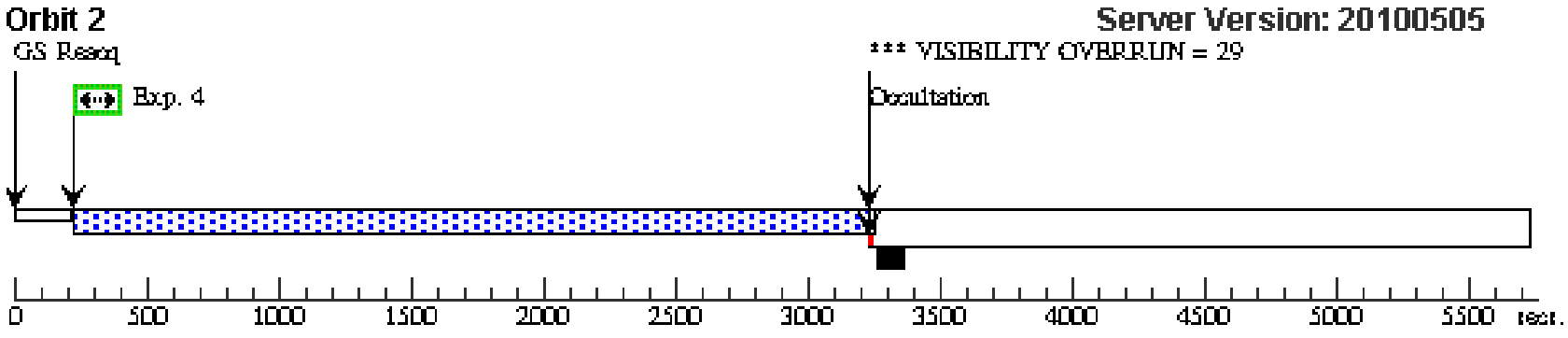
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinates verified from Sloan Digital Sky Survey.

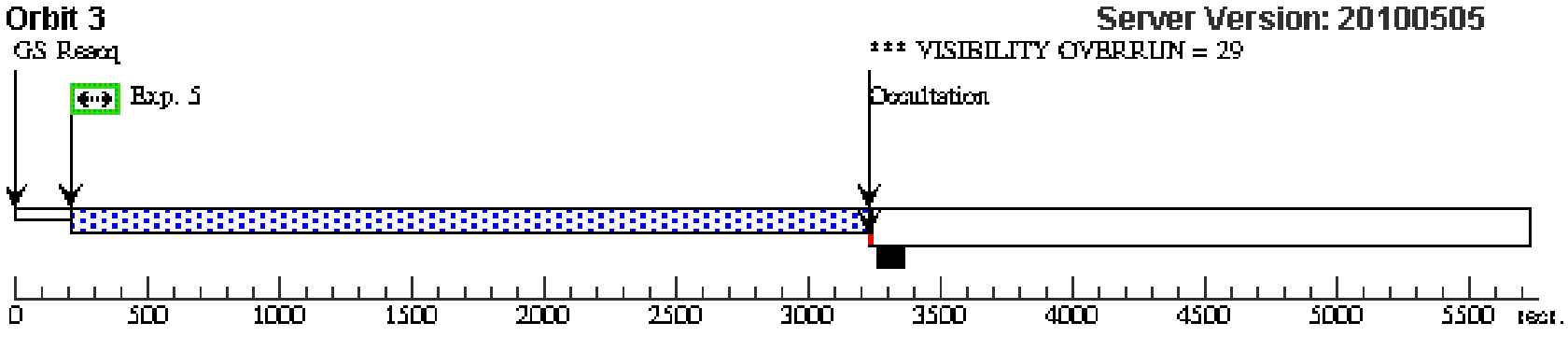
Exposures

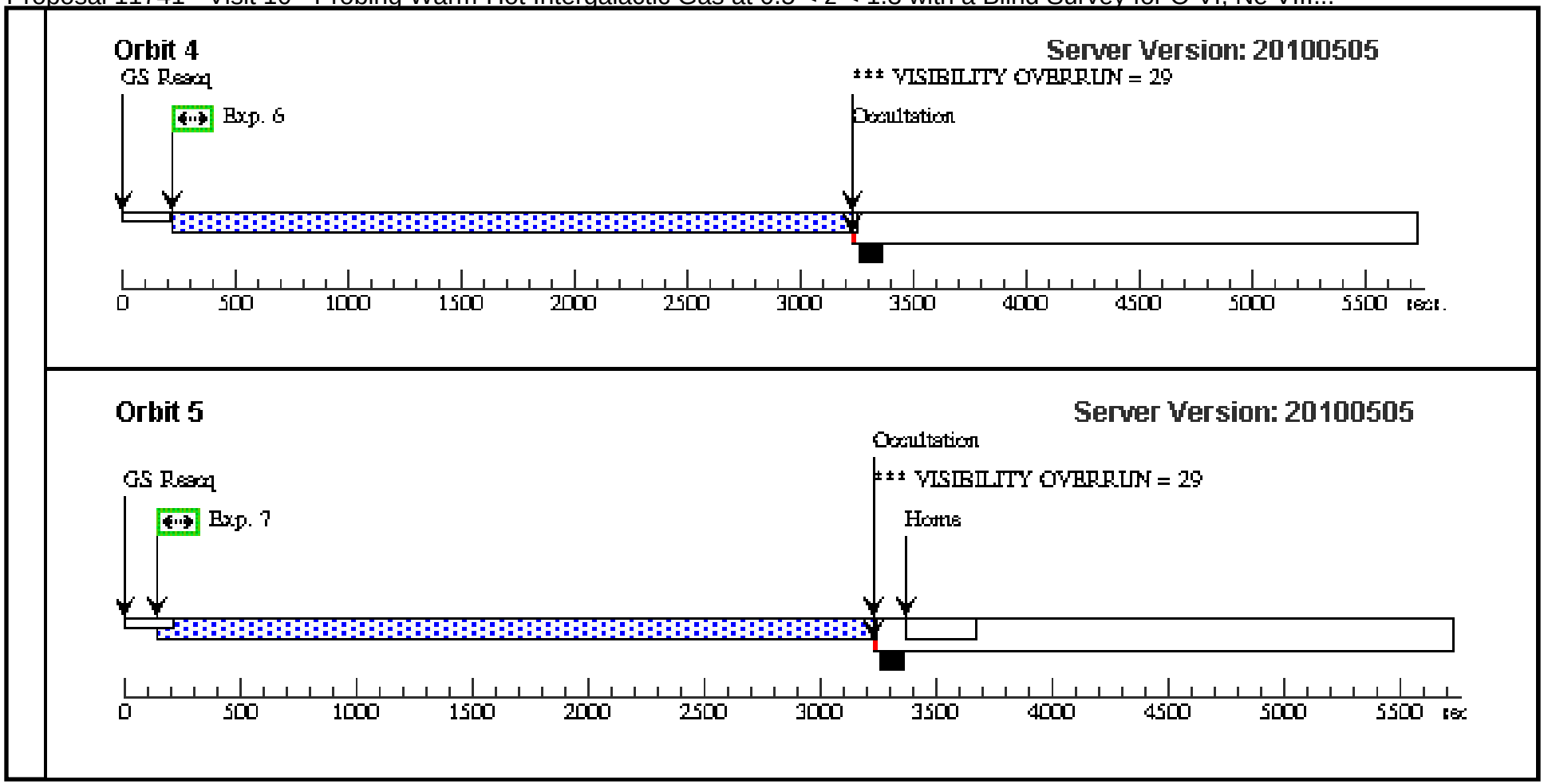
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	lbqs1435_acqsearch	(11) LBQS-1435-01 34	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			22.1 Secs *[==>]*	 ***[1]***
	Comments: Target observed in NUV with FOS. NUV and FUV magnitudes also available from GALEX archive, and are consistent with FOS data. Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).								
2	lbqs1435_acqimage	(11) LBQS-1435-01 34	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.1 Secs *[==>]*	 ***[1]***
	Comments: Target observed in NUV with FOS. NUV and FUV magnitudes also available from GALEX archive, and are consistent with FOS data. Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).								
3	lbqs1435_g160m11	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2197.0; FP-POS=1; FLASH=YES			2197.0 Secs *[==>]*	 ***[1]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4601 seconds. Exposure time is shorter, so buffer time = exposure time								
4	lbqs1435_g160m12	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2977.0; FP-POS=1; FLASH=YES			2977.0 Secs *[==>]*	 ***[2]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4601 seconds. Exposure time is shorter, so buffer time = exposure time.								
5	lbqs1435_g160m13	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2977.0; FP-POS=4; FLASH=YES			2977.0 Secs *[==>]*	 ***[3]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4601 seconds. Exposure time is shorter, so buffer time = exposure time.								
6	lbqs1435_g160m14	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2977.0; FP-POS=4; FLASH=YES			2977.0 Secs *[==>]*	 ***[4]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4601 seconds. Exposure time is shorter, so buffer time = exposure time								
7	lbqs1435_g160m15	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2977.0; FP-POS=4; FLASH=YES			2977.0 Secs *[==>]*	 ***[5]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4841 seconds. Exposure time is shorter, so buffer time = exposure time								

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
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3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 29
Exp. 7
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1000
1500
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4500
5000
5500
sec

Visit

Proposal 11741, Visit 11, completed Thu Oct 07 01:04:35 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

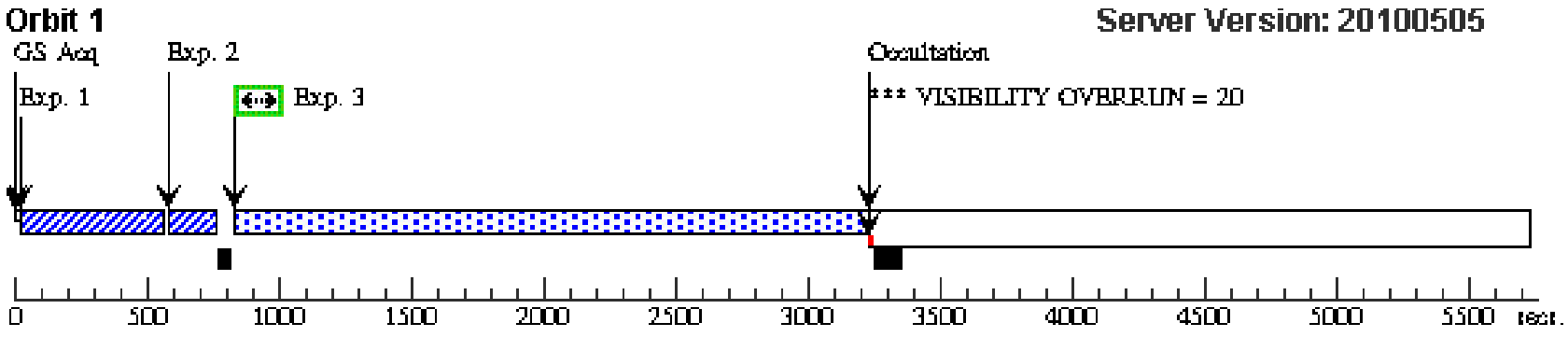
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	LBQS-1435-0134	RA: 14 37 48.2840 (219.4511833d)	Redshift: 1.30791	V=15.75+/-0.1	Reference Frame: ICRS
	Alt Name1: S6RF007146	Dec: -01 47 10.78 (-1.78633d)		Flambda(1350Ang) = 8.0e-15,	
	Alt Name2: SDSSJ143748.29-014710.8	Equinox: J2000		GALEX NUV mag = 16.64	

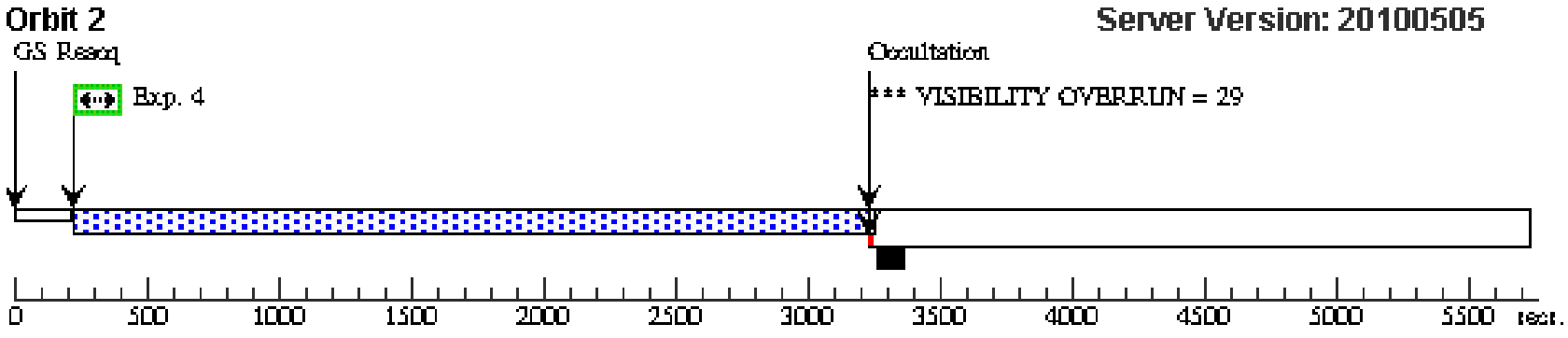
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Coordinates verified from Sloan Digital Sky Survey.

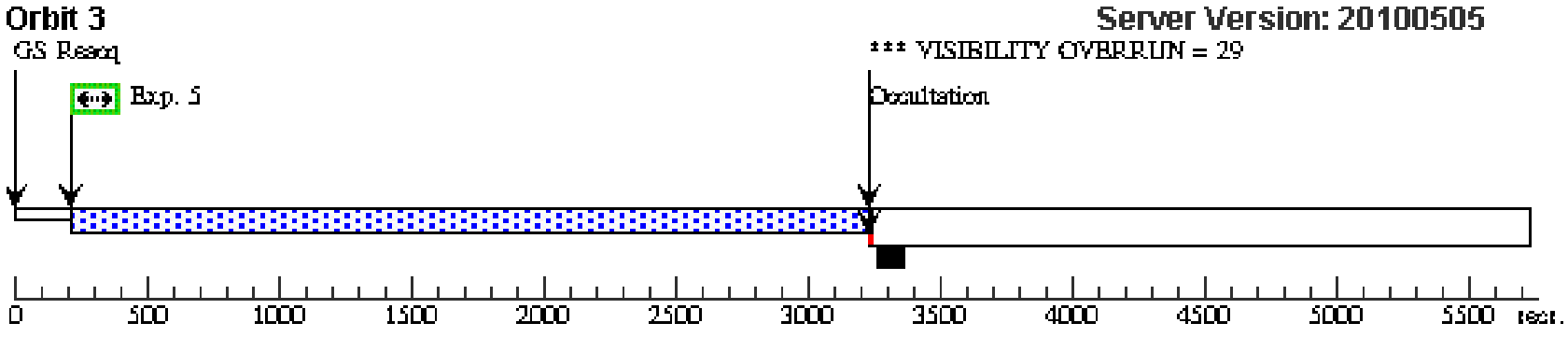
Exposures

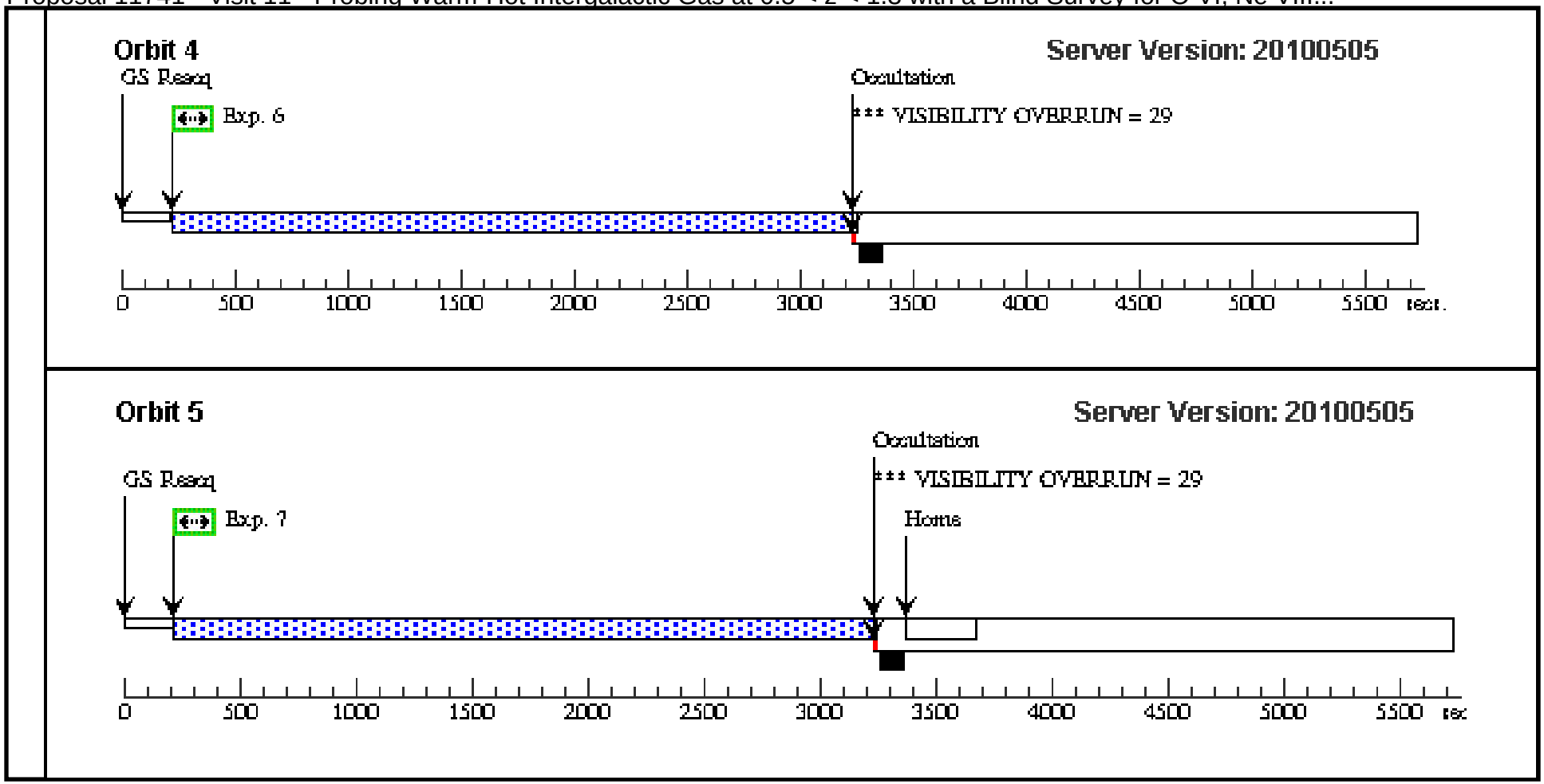
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	lbqs1435_acqsearch	(11) LBQS-1435-01 34	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			22.1 Secs *[==>]*	 ***[1]***
	Comments: Target observed in NUV with FOS. NUV and FUV magnitudes also available from GALEX archive, and are consistent with FOS data. Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).								
2	lbqs1435_acqimage	(11) LBQS-1435-01 34	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.1 Secs *[==>]*	 ***[1]***
	Comments: Target observed in NUV with FOS. NUV and FUV magnitudes also available from GALEX archive, and are consistent with FOS data. Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).								
3	lbqs1435_g160m15	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2197.0; FP-POS=1; FLASH=YES			2197.0 Secs *[==>]*	 ***[1]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4841 seconds. Exposure time is shorter, so buffer time = exposure time								
4	lbqs1435_g160m15	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2977.0; FP-POS=1; FLASH=YES			2977.0 Secs *[==>]*	 ***[2]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4841 seconds. Exposure time is shorter, so buffer time = exposure time.								
5	lbqs1435_g160m15	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2977.0; FP-POS=3; FLASH=YES			2977.0 Secs *[==>]*	 ***[3]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4841 seconds. Exposure time is shorter, so buffer time = exposure time.								
6	lbqs1435_g160m15	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2977.0; FP-POS=3; FLASH=YES			2977.0 Secs *[==>]*	 ***[4]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4841 seconds. Exposure time is shorter, so buffer time = exposure time.								
7	lbqs1435_g160m15	(11) LBQS-1435-01 34	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2977.0; FP-POS=4; FLASH=YES			2977.0 Secs *[==>]*	 ***[5]***
	Comments: Target observed in FUV and NUV with FOS and GALEX. Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 4841 seconds. Exposure time is shorter, so buffer time = exposure time.								

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 6
Occultation
*** VISIBILITY OVERRUN = 29
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500
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1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 29
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 12, completed Thu Oct 07 01:04:36 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

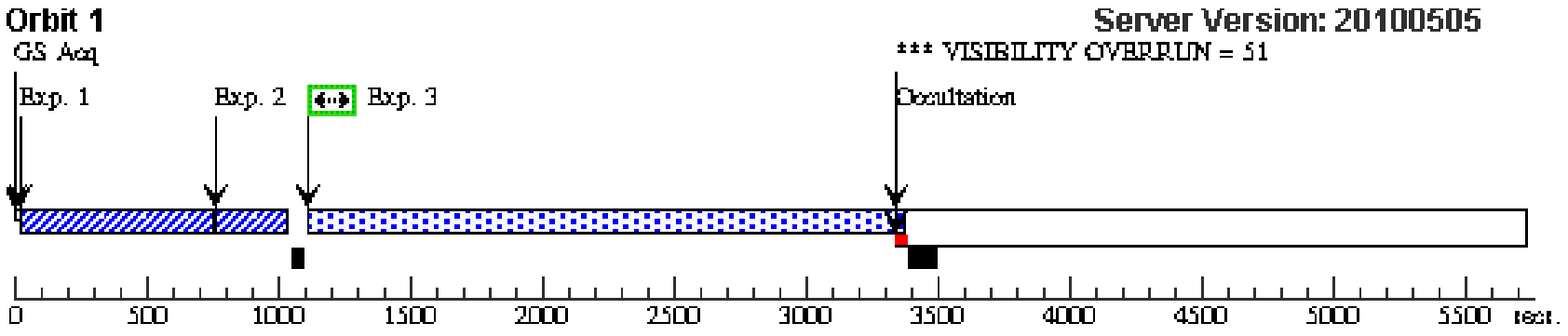
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	PG-1338+416	RA: 13 41 0.7800 (205.2532500d)	Redshift: 1.219	V=16.35+/-0.1	Reference Frame: ICRS
	Alt Name1: N5PX005713	Dec: +41 23 14.10 (41.38725d)		Flambda(1350 A) = 2.0e-15	
		Equinox: J2000			

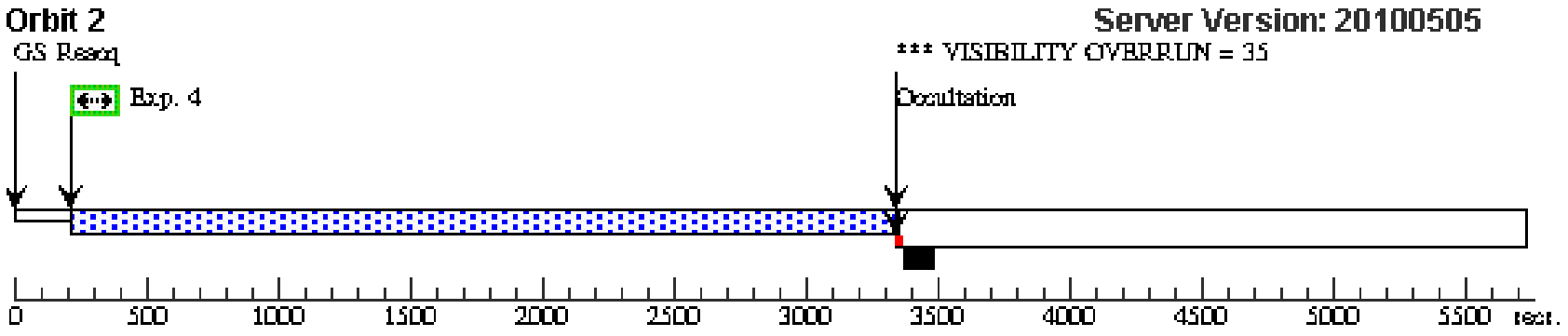
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

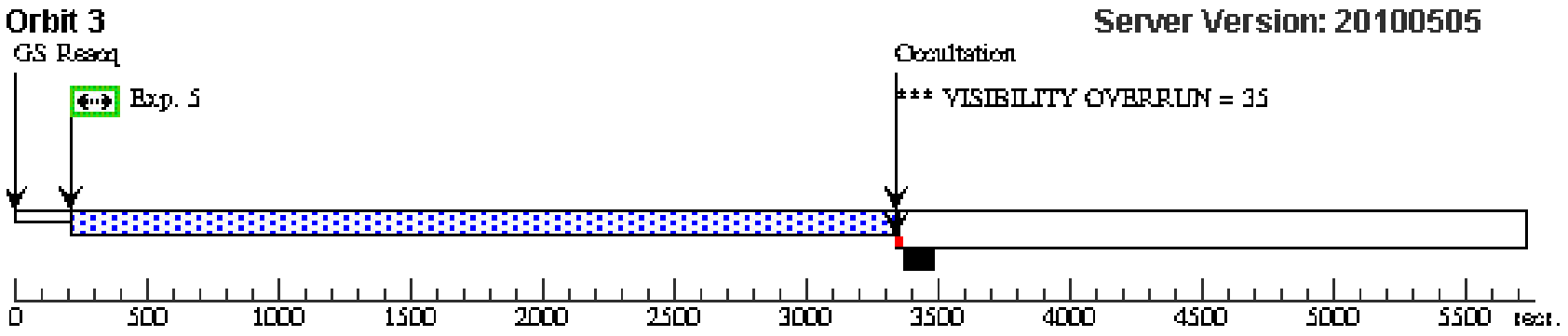
Exposures

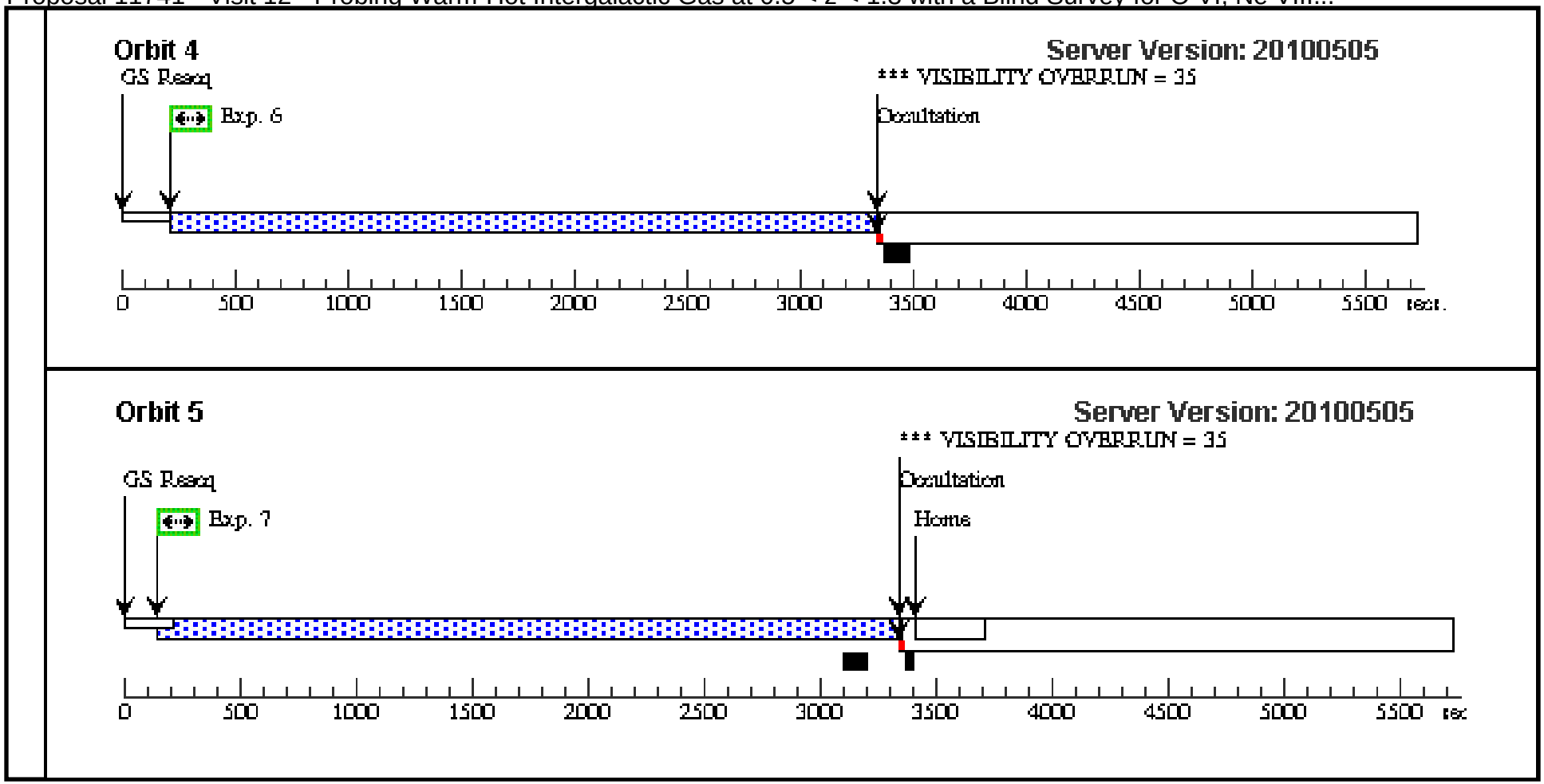
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1338_acq search	(5) PG-1338+416	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			68.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with FOS (1992). Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).									
2	pg1338_acqimage	(5) PG-1338+416	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				68.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with FOS (1992). Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).									
3	pg1338_g130m1	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2101.0; FP-POS=1; FLASH=YES			2101.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 3003 seconds (ETC COS72359). Exposure time is shorter, so buffer time = exposure time.									
4	pg1338_g130m2	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=3003.0; FP-POS=2; FLASH=YES			3090.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 3003 seconds (ETC COS72359).									
5	pg1338_g130m3	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=3003.0; FP-POS=3; FLASH=YES			3090.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 3003 seconds (ETC COS72359).									
6	pg1338_g130m4	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=3003.0; FP-POS=4; FLASH=YES			3090.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 3003 seconds (ETC COS72359).									
7	pg1338_g130m5	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2857.0; FP-POS=1; FLASH=YES			3090.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2857 seconds (ETC COS72364).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
*** VISIBILITY OVERRUN = 35
Exp. 6
Occultation
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 35
GS Reacq
Occultation
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 13, completed Thu Oct 07 01:04:37 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

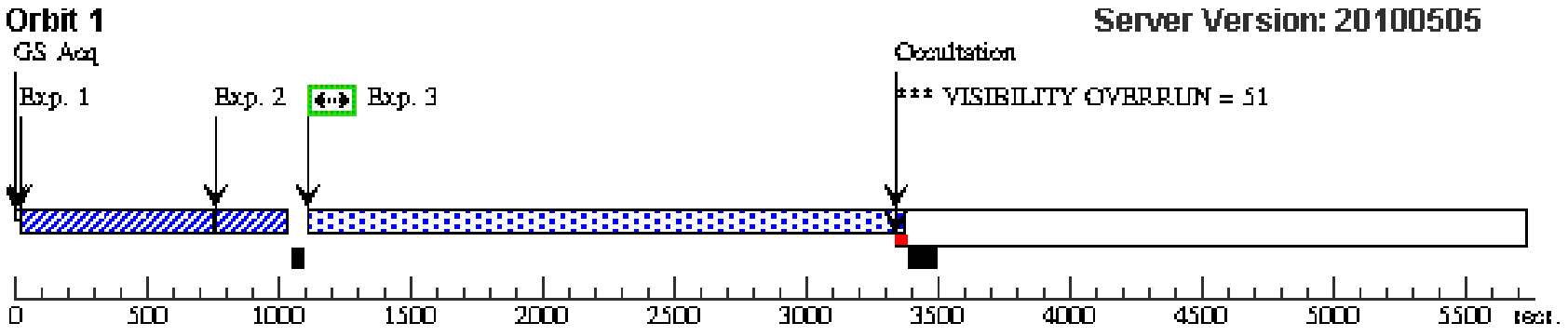
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	PG-1338+416	RA: 13 41 0.7800 (205.2532500d)	Redshift: 1.219	V=16.35+/-0.1	Reference Frame: ICRS
	Alt Name1: N5PX005713	Dec: +41 23 14.10 (41.38725d)		Flambda(1350 A) = 2.0e-15	
		Equinox: J2000			

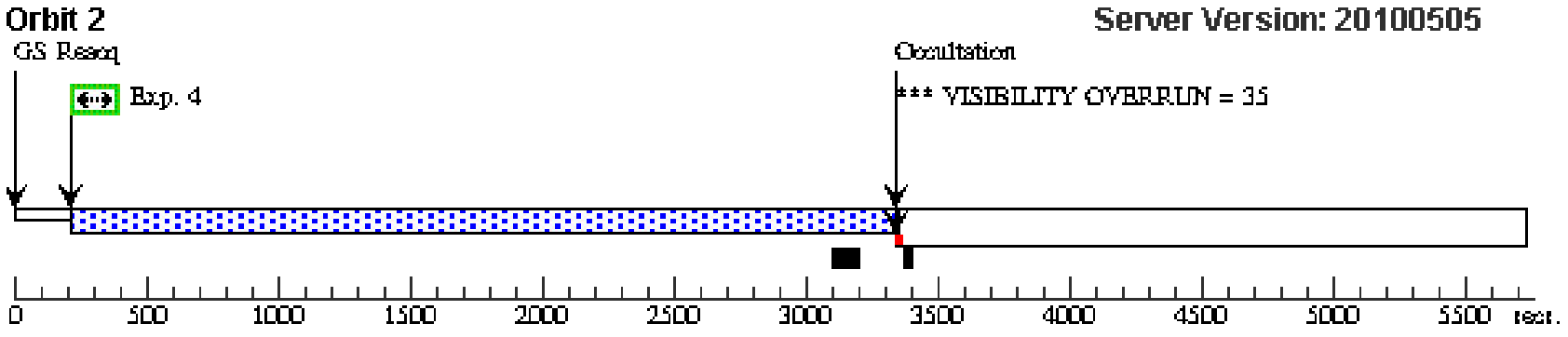
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

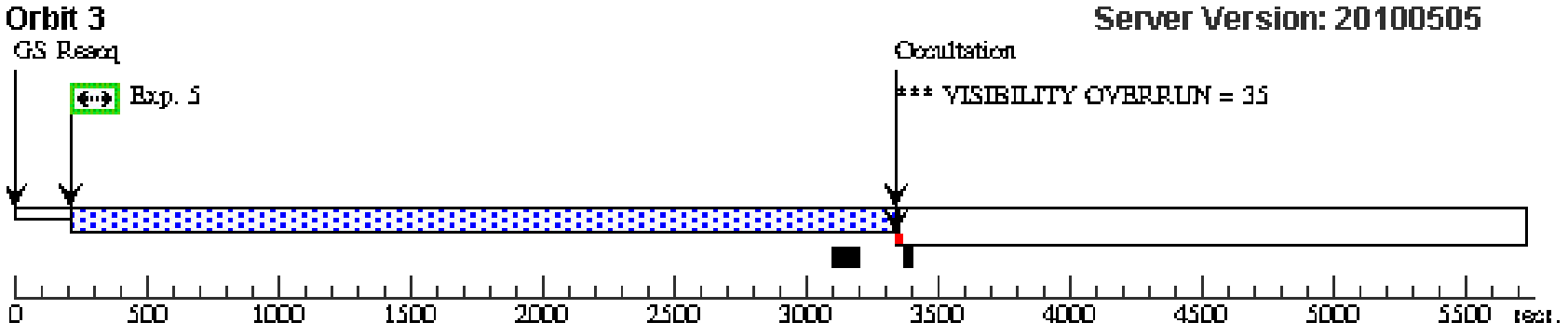
Exposures

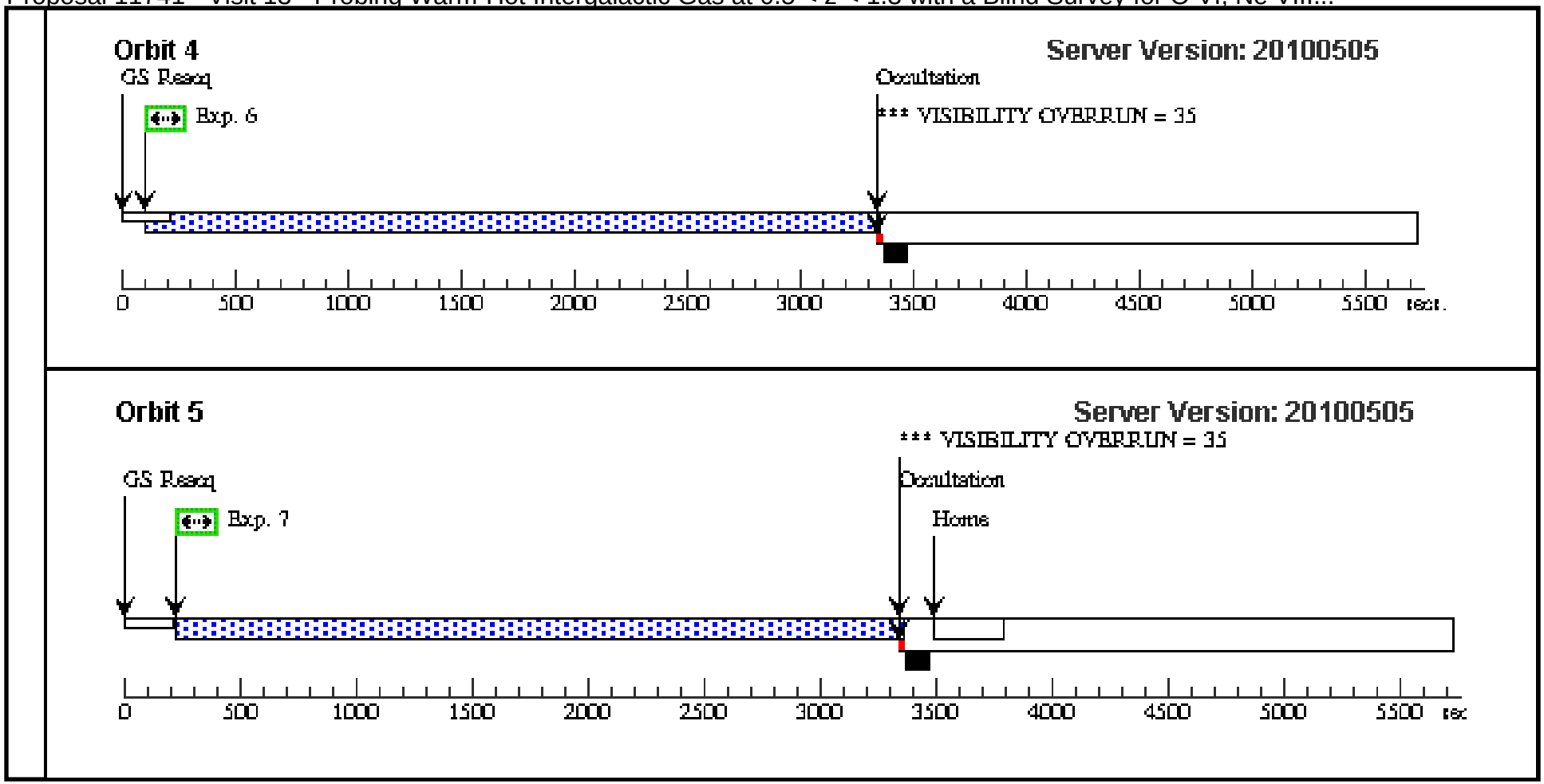
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1338_acq search	(5) PG-1338+416	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			68.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with FOS (1992). Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).									
2	pg1338_acqimage	(5) PG-1338+416	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				68.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with FOS (1992). Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).									
3	pg1338_g130m6	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2101.0; FP-POS=2; FLASH=YES			2101.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2857 seconds (ETC COS72364). Exposure time is shorter, so buffer time = exposure time.									
4	pg1338_g130m7	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2857.0; FP-POS=3; FLASH=YES			3090.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2857 seconds (ETC COS72364).									
5	pg1338_g130m8	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2857.0; FP-POS=4; FLASH=YES			3090.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2857 seconds (ETC COS72364).									
6	pg1338_g160m9	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=9090.0; FP-POS=3; FLASH=YES			3090.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11213 seconds (ETC COS72531). Exposure time is shorter, so buffer time = exposure time.									
7	pg1338_g160m10	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=9090.0; FP-POS=3; FLASH=YES			3090.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11213 seconds (ETC COS72531). Exposure time is shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Occultation
Exp. 6
*** VISIBILITY OVERRUN = 35
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1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 35
GS Reacq
Occultation
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 14, completed Thu Oct 07 01:04:38 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 14) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 14) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 14) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 14) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 14) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(Visit 14) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

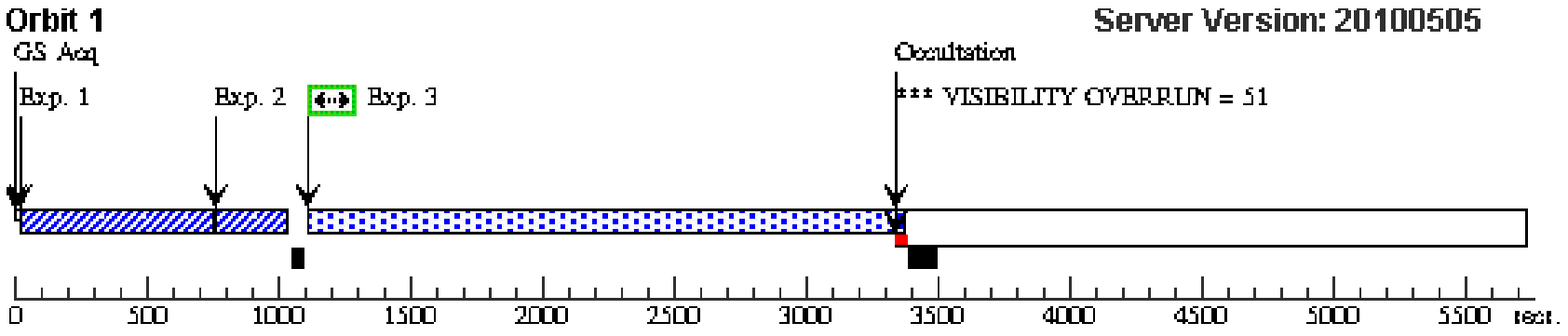
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	PG-1338+416	RA: 13 41 0.7800 (205.2532500d)	Redshift: 1.219	V=16.35+/-0.1	Reference Frame: ICRS
	Alt Name1: N5PX005713	Dec: +41 23 14.10 (41.38725d)		Flambda(1350 A) = 2.0e-15	
		Equinox: J2000			

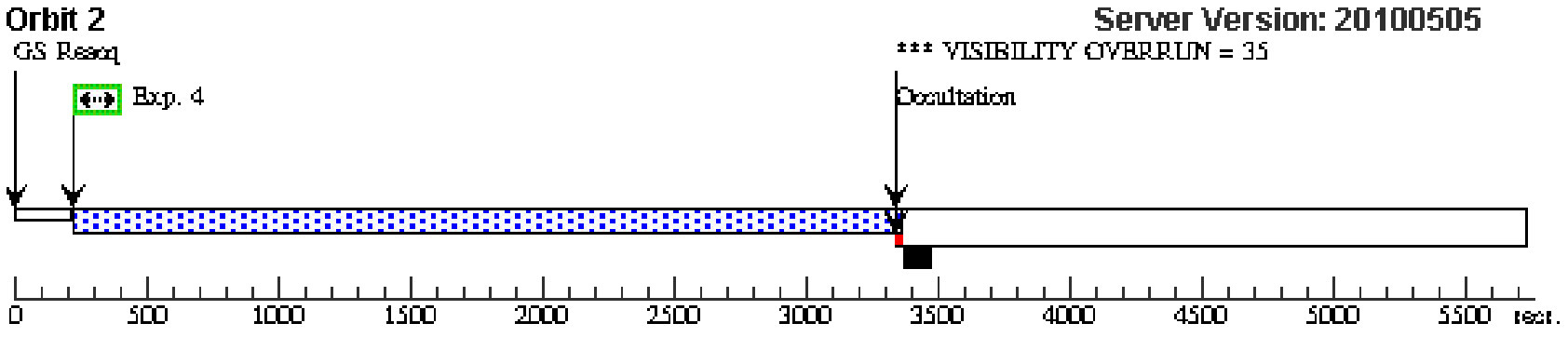
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

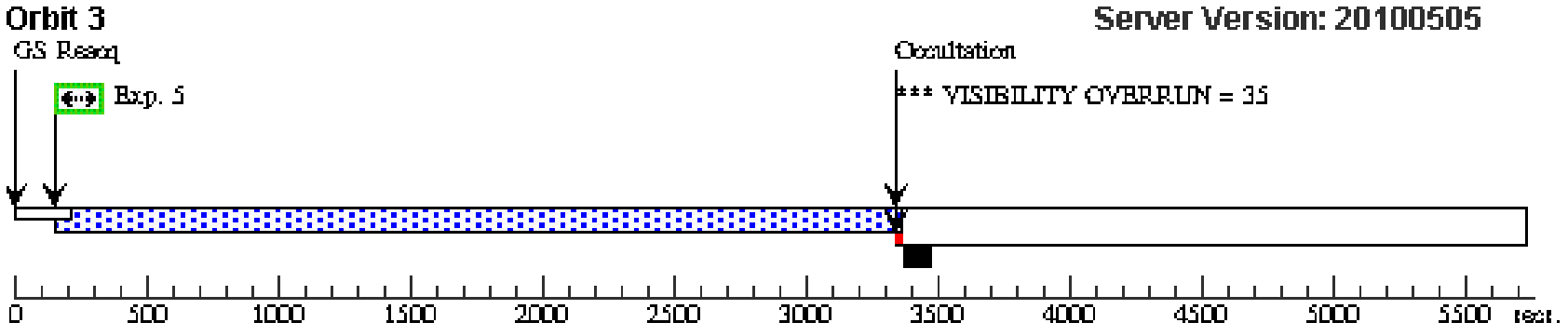
Exposures

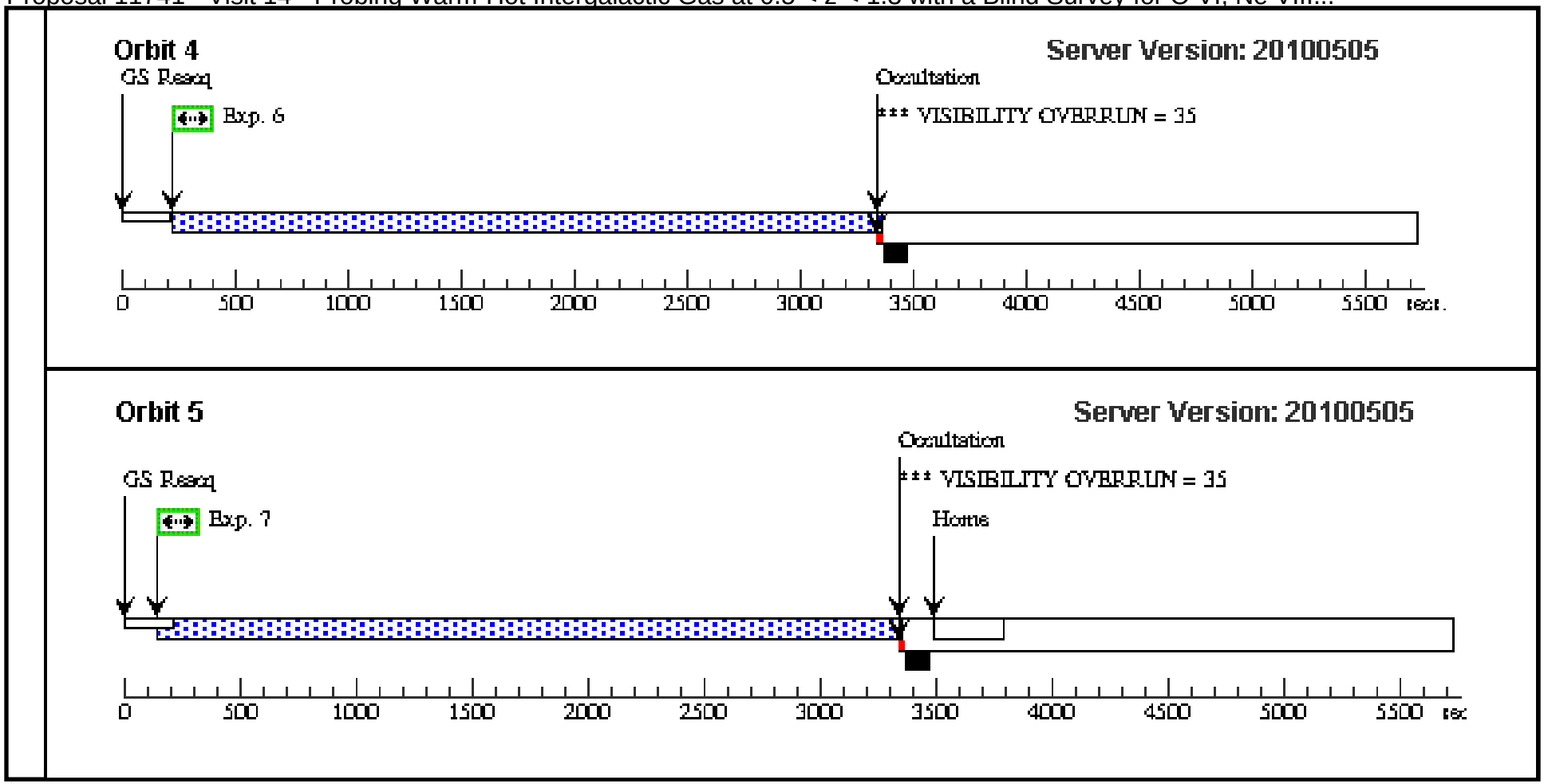
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1338_acq search	(5) PG-1338+416	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			68.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with FOS (1992). Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).									
2	pg1338_acqi mage	(5) PG-1338+416	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				68.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with FOS (1992). Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).									
3	pg1338_g160m11	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2056.0; FP-POS=4; FLASH=YES			2056.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11213 seconds (ETC COS72531). Exposure time is shorter, so buffer time = exposure time.									
4	pg1338_g160m12	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3090.0; FP-POS=4; FLASH=YES			3090.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11213 seconds (ETC COS72531). Exposure time is shorter, so buffer time = exposure time.									
5	pg1338_g160m13	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3090.0; FP-POS=1; FLASH=YES			3090.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11213 seconds (ETC COS72531). Exposure time is shorter, so buffer time = exposure time.									
6	pg1338_g160m14	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3090.0; FP-POS=1; FLASH=YES			3090.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11213 seconds (ETC COS72531). Exposure time is shorter, so buffer time = exposure time.									
7	pg1338_g160m15	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3090.0; FP-POS=1; FLASH=YES			3090.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11662 seconds (ETC COS72532). Exposure time is shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 6
Occultation
*** VISIBILITY OVERRUN = 35
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1500
2000
2500
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3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 35
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 15, completed Thu Oct 07 01:04:40 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 15) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS

(Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

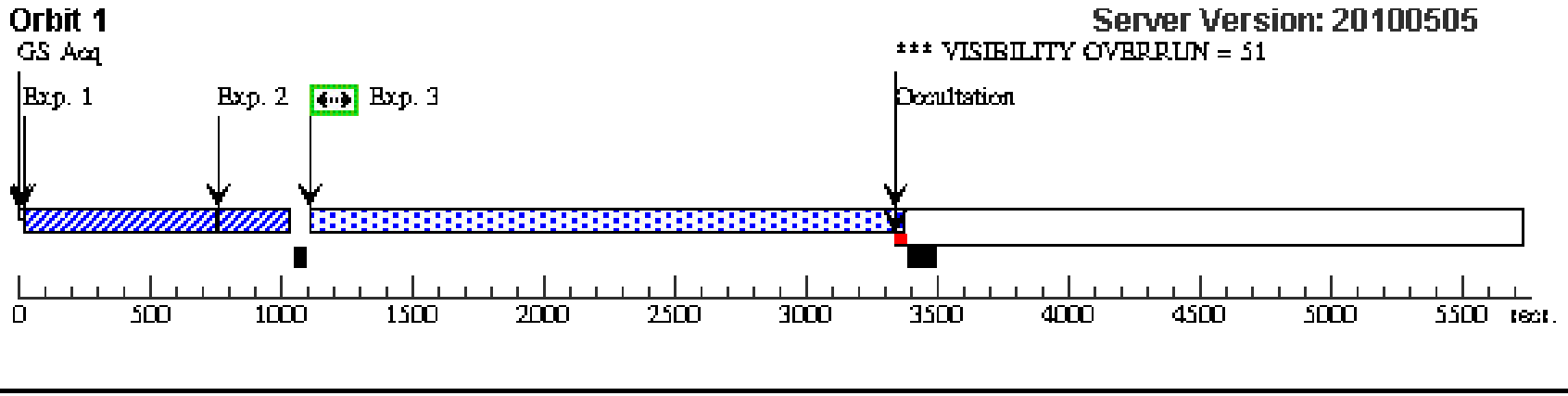
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	PG-1338+416	RA: 13 41 0.7800 (205.2532500d)	Redshift: 1.219	V=16.35+/-0.1	Reference Frame: ICRS
	Alt Name1: N5PX005713	Dec: +41 23 14.10 (41.38725d)		Flambda(1350 A) = 2.0e-15	
		Equinox: J2000			

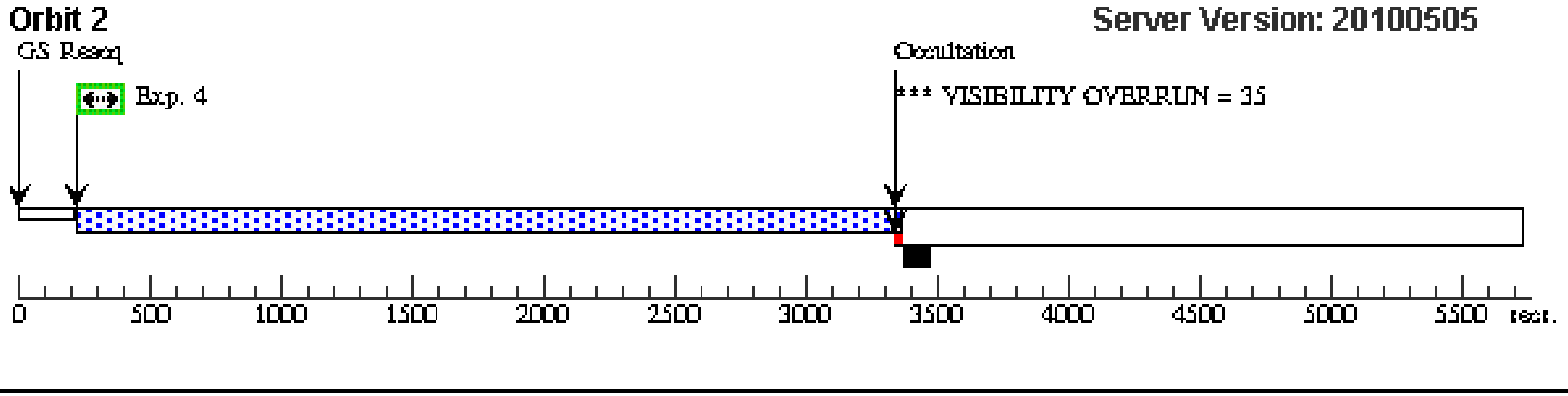
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

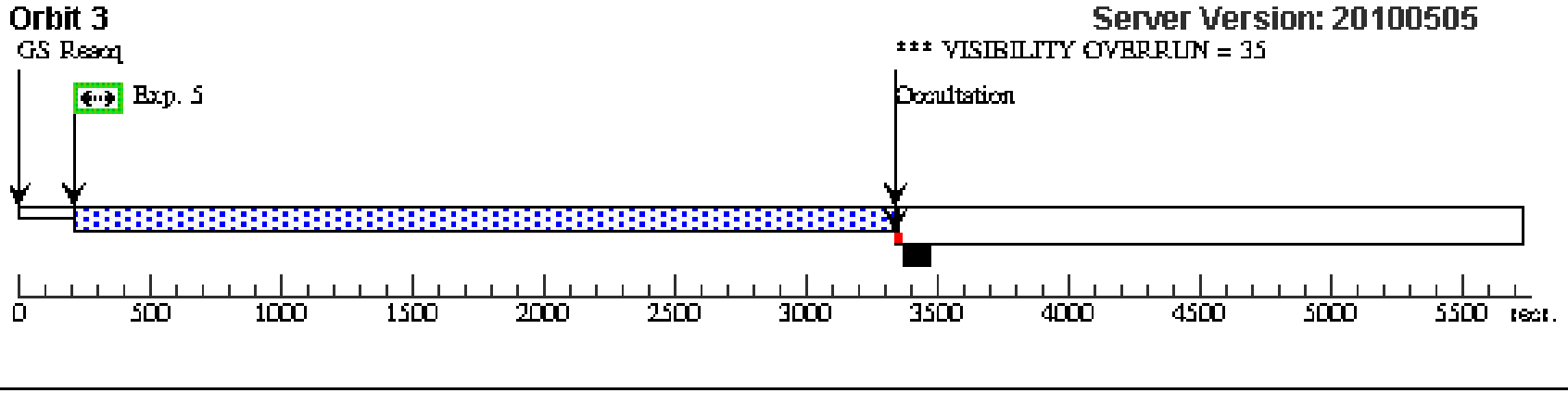
Exposures

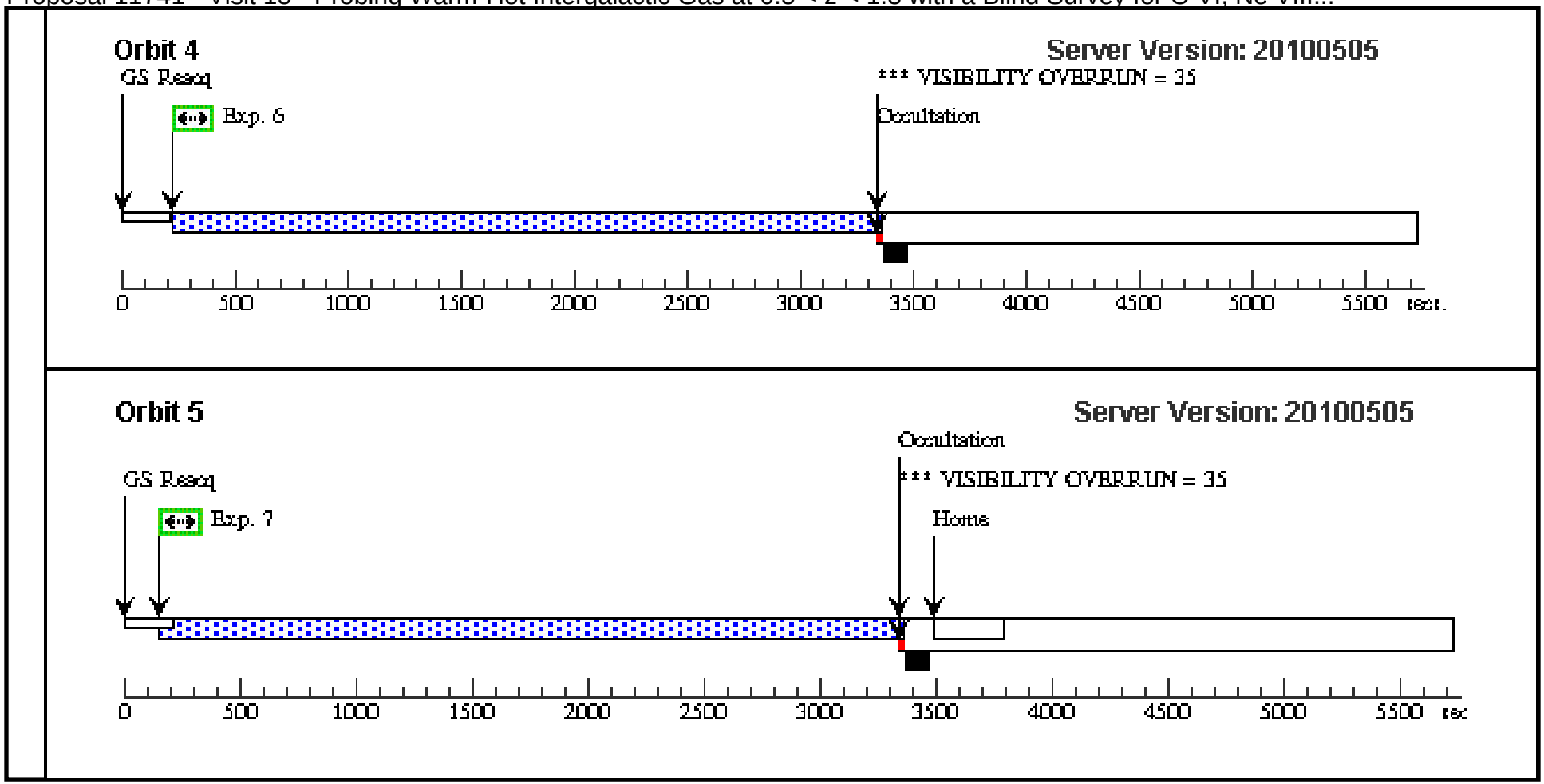
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1338_acq search	(5) PG-1338+416	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			68.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with FOS (1992). Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).									
2	pg1338_acqimage	(5) PG-1338+416	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				68.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with FOS (1992). Following phase 2 guide lines, flux for exposure time based on observed flux x0.5 (to allow for possible variability).									
3	pg1338_g160m16	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2056.0; FP-POS=3; FLASH=YES			2056.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11662 seconds (ETC COS72532). Exposure time is shorter, so buffer time = exposure time.									
4	pg1338_g160m17	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3090.0; FP-POS=3; FLASH=YES			3090.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11662 seconds (ETC COS72532). Exposure time is shorter, so buffer time = exposure time.									
5	pg1338_g160m18	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3090.0; FP-POS=4; FLASH=YES			3090.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11662 seconds (ETC COS72532). Exposure time is shorter, so buffer time = exposure time.									
6	pg1338_g160m19	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3090.0; FP-POS=4; FLASH=YES			3090.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11662 seconds (ETC COS72532). Exposure time is shorter, so buffer time = exposure time.									
7	pg1338_g160m20	(5) PG-1338+416	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3090.0; FP-POS=1; FLASH=YES			3090.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1986 and 1987) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 11662 seconds (ETC COS72532). Exposure time is shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
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Exp. 6
Occultation
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3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 35
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 16, completed Thu Oct 07 01:04:41 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

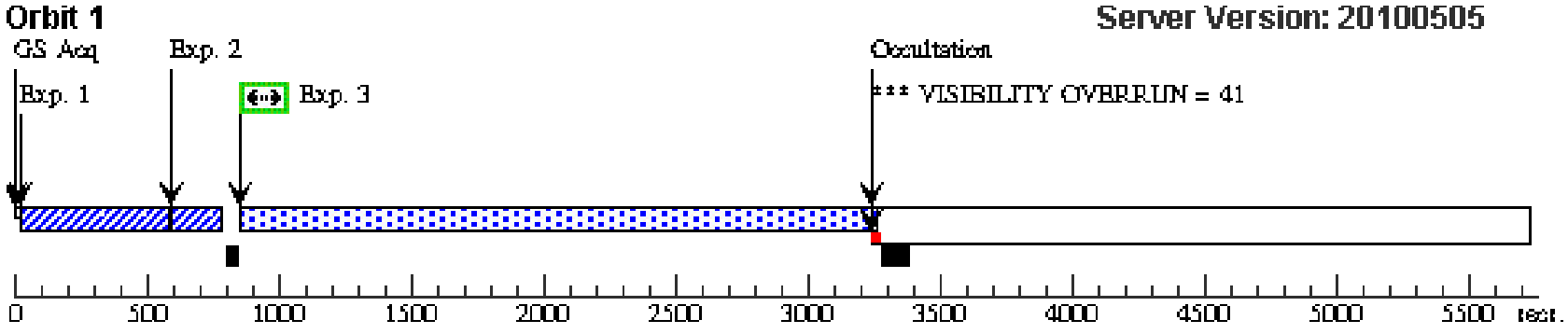
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	PG-1522+101	RA: 15 24 24.5800 (231.1024167d)	Redshift: 1.321	V=16.2+/-0.1	Reference Frame: ICRS
	Alt Name1: N5QQ004356	Dec: +09 58 29.70 (9.97492d)		Flambda(1350 A) = 3.0e-15	
		Equinox: J2000			

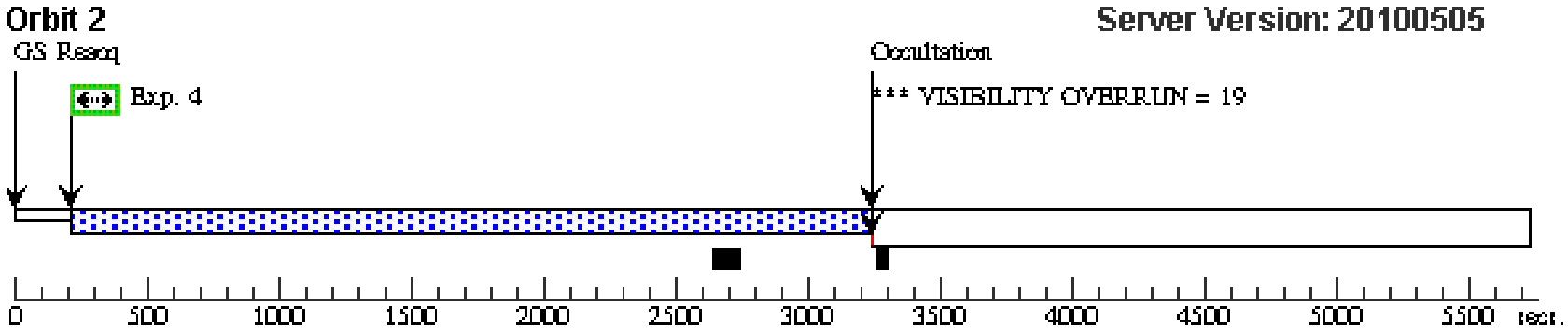
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

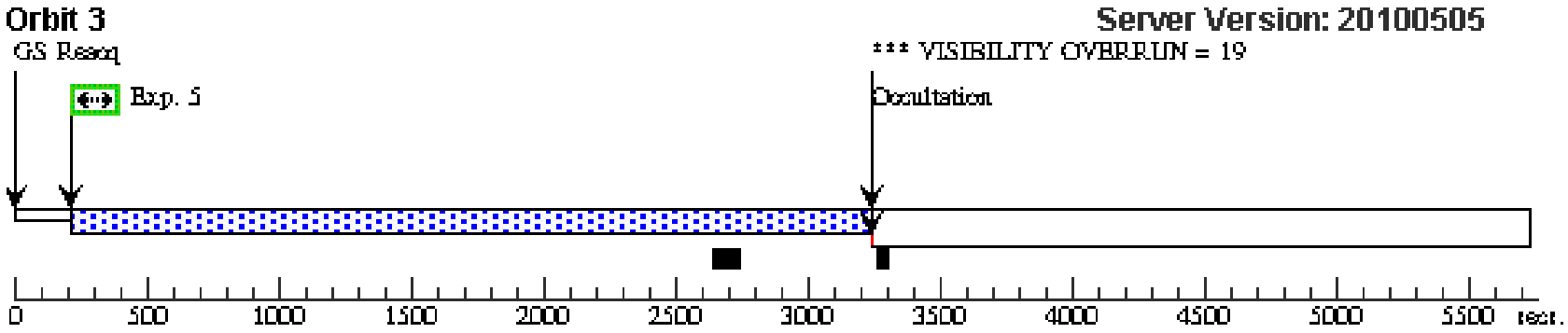
Exposures

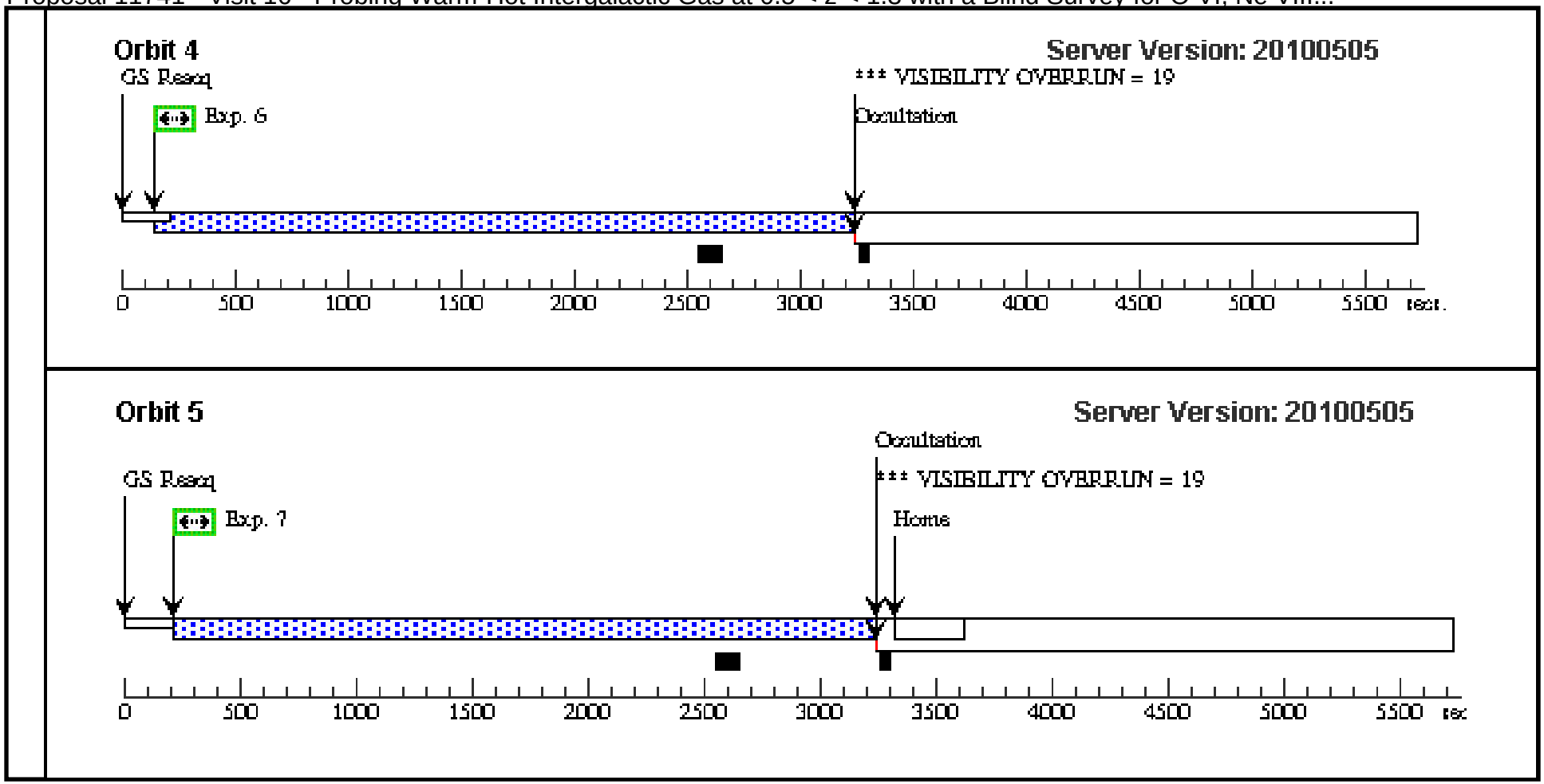
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1522_acq search	(7) PG-1522+101	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1982) and FOS (1996). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
2	pg1522_acqimage	(7) PG-1522+101	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1982) and FOS (1996). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
3	pg1522_g130m1	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2250.0; FP-POS=1; FLASH=YES			2250.0 Secs *[==>2250.0 Secs]*	***[1]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2393 seconds (ETC COS72541). Exposure time is shorter, so buffer time = exposure time.									
4	pg1522_g130m2	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2393.0; FP-POS=3; FLASH=YES			2975.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2393 seconds (ETC COS72541).									
5	pg1522_g130m3	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2393.0; FP-POS=4; FLASH=YES			2975.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2393 seconds (ETC COS72541).									
6	pg1522_g130m4	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2304.0; FP-POS=1; FLASH=YES			2975.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2304 seconds (ETC COS72542).									
7	pg1522_g130m5	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2304.0; FP-POS=3; FLASH=YES			2975.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2304 seconds (ETC COS72542).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
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Occultation
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5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 19
Exp. 7
Home
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3000
3500
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4500
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5500
sec

Visit

Proposal 11741, Visit 17, completed Thu Oct 07 01:04:42 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 17) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 17) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 17) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 17) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 17) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

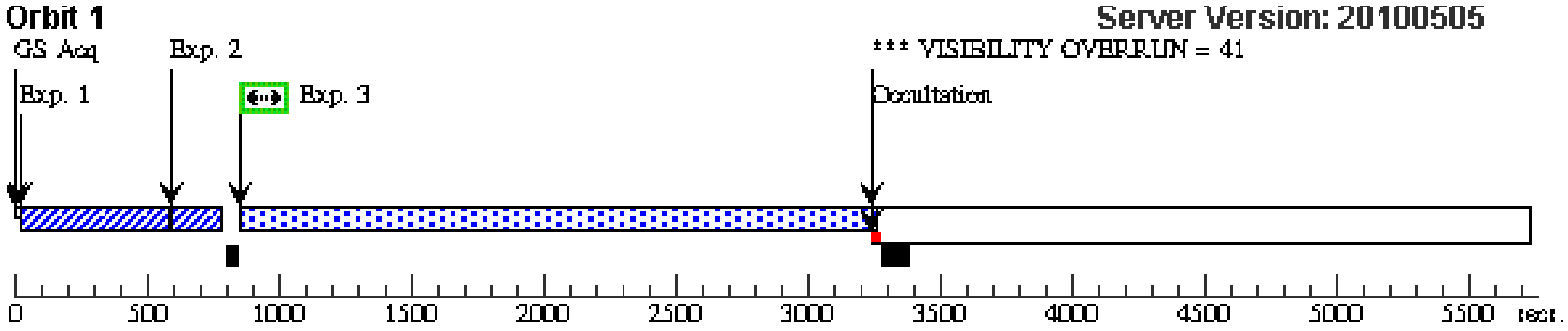
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	PG-1522+101	RA: 15 24 24.5800 (231.1024167d)	Redshift: 1.321	V=16.2+/-0.1	Reference Frame: ICRS
	Alt Name1: N5QQ004356	Dec: +09 58 29.70 (9.97492d)		Flambda(1350 A) = 3.0e-15	
		Equinox: J2000			

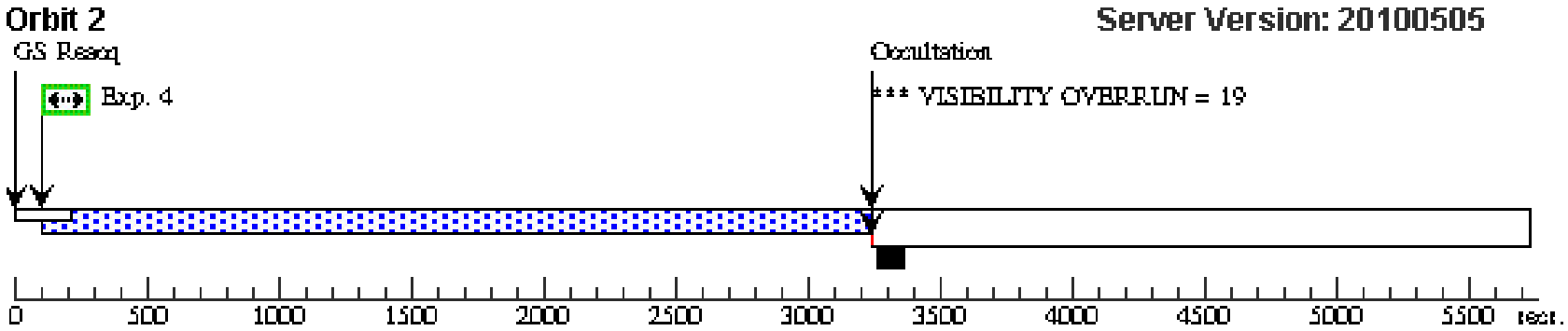
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

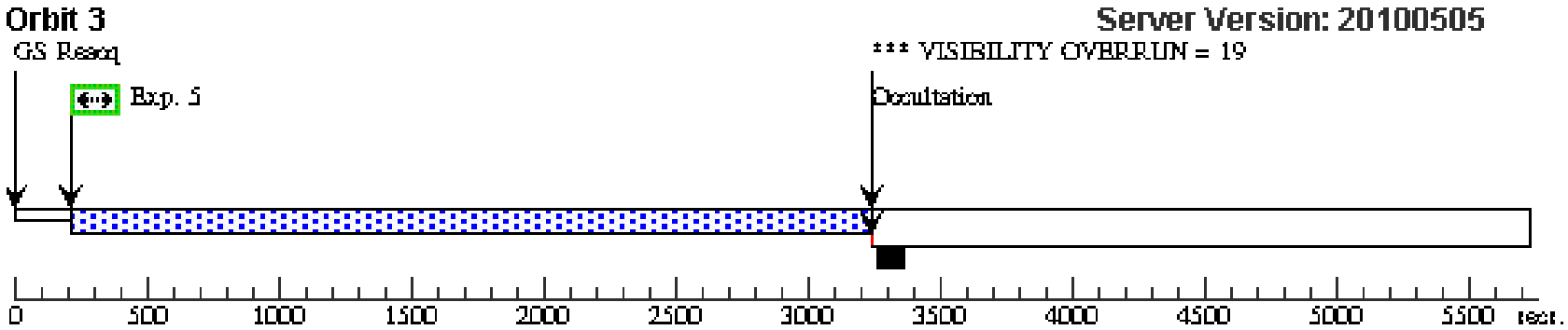
Exposures

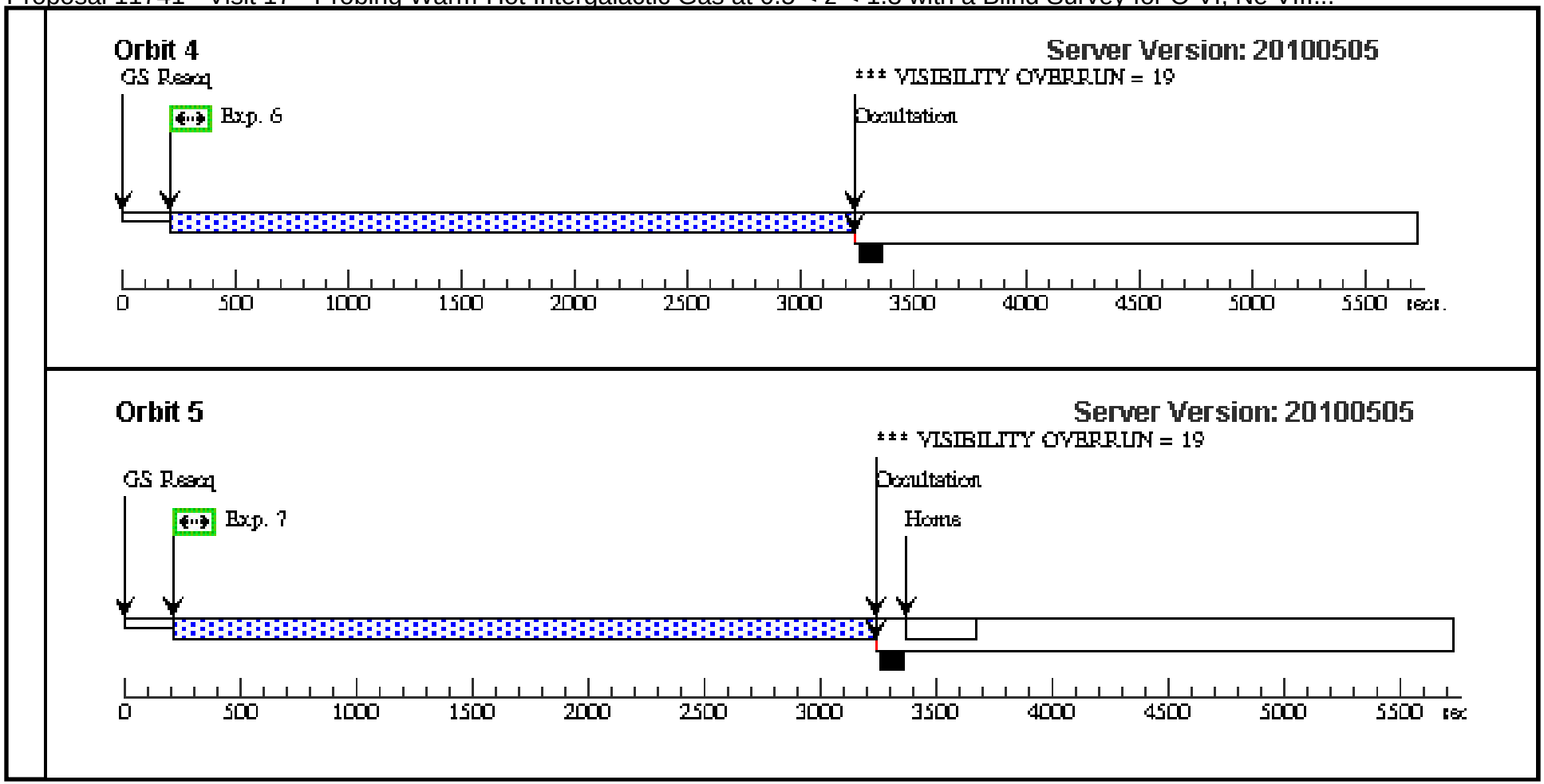
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1522_acq search	(7) PG-1522+101	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1982) and FOS (1996). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
2	pg1522_acqi mage	(7) PG-1522+101	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1982) and FOS (1996). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
3	pg1522_g130m6	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2250.0; FP-POS=4; FLASH=YES			2250.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2304 seconds (ETC COS72542). Exposure time is shorter, so buffer time = exposure time.									
4	pg1522_g160m7	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2975.0; FP-POS=1; FLASH=YES			2975.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6325 seconds (ETC COS72543). Exposure time is shorter, so buffer time = exposure time.									
5	pg1522_g160m8	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2975.0; FP-POS=2; FLASH=YES			2975.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6325 seconds (ETC COS72543). Exposure time is shorter, so buffer time = exposure time.									
6	pg1522_g160m9	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2975.0; FP-POS=3; FLASH=YES			2975.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6325 seconds (ETC COS72543). Exposure time is shorter, so buffer time = exposure time.									
7	pg1522_g160m10	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2975.0; FP-POS=4; FLASH=YES			2975.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6325 seconds (ETC COS72543). Exposure time is shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
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GS Reacq
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Occultation
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3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 19
GS Reacq
Occultation
Exp. 7
Home
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500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 18, completed Thu Oct 07 01:04:43 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 18) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 18) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 18) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 18) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

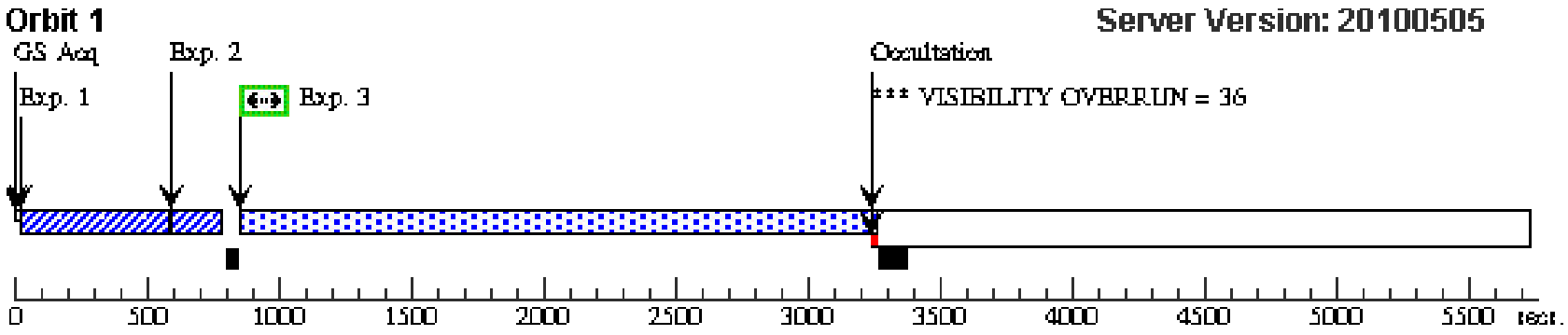
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	PG-1522+101 Alt Name1: N5QQ004356	RA: 15 24 24.5800 (231.1024167d) Dec: +09 58 29.70 (9.97492d) Equinox: J2000	Redshift: 1.321	V=16.2+/-0.1 Flambda(1350 A) = 3.0e-15	Reference Frame: ICRS

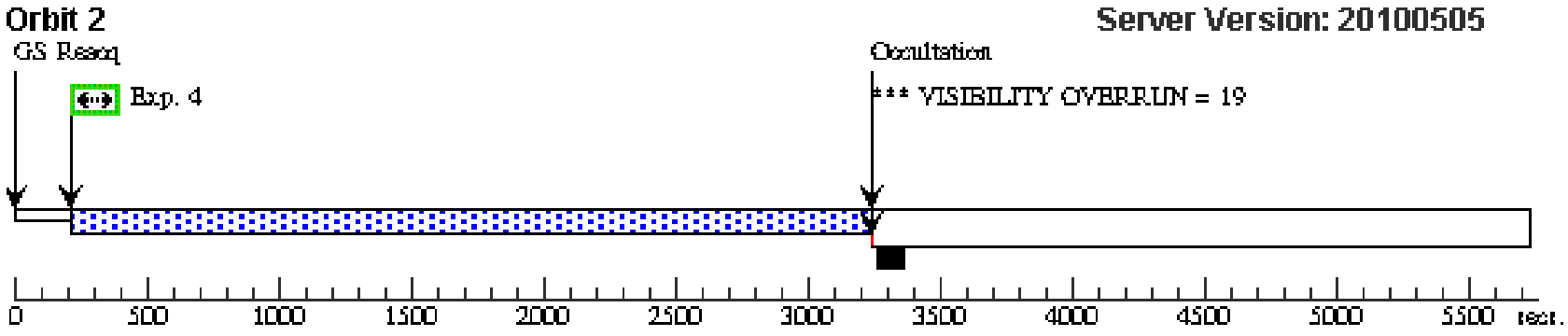
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

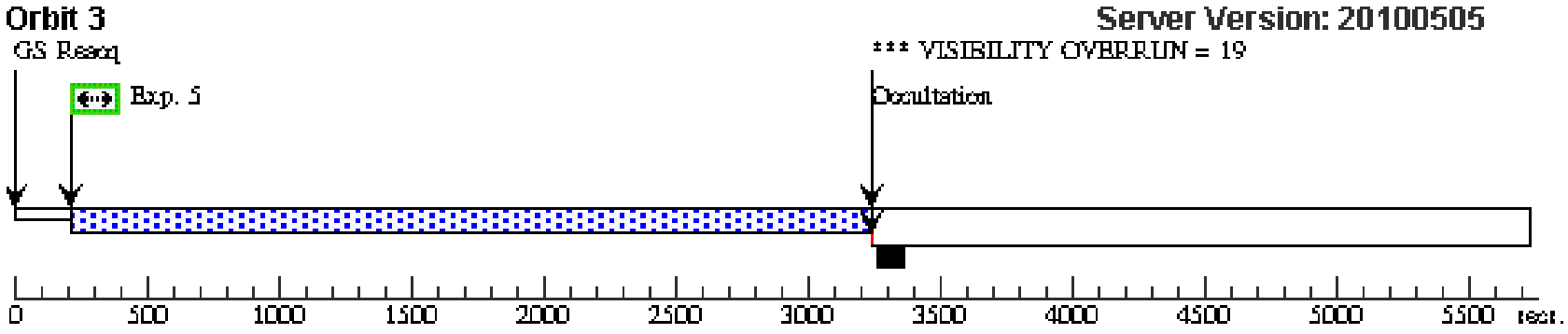
Exposures

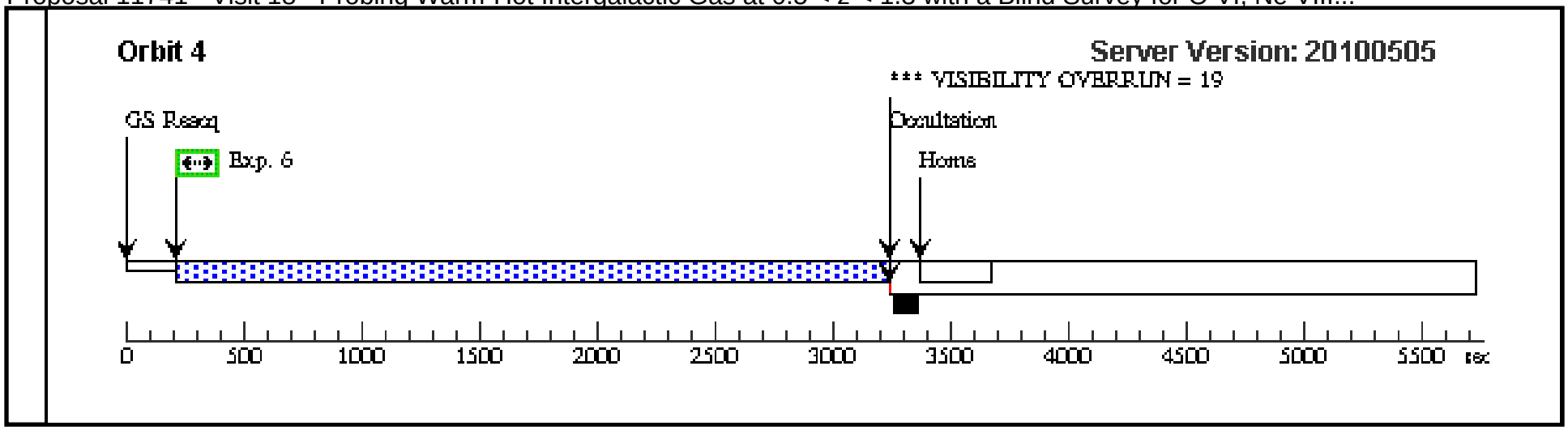
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1522_acq search	(7) PG-1522+101	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1982) and FOS (1996). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
2	pg1522_acqimage	(7) PG-1522+101	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.8 Secs *[==>]*	***[1]***
Comments: Target observed with IUE (1982) and FOS (1996). Flux for exposure time based on faintest flux (at 2000 A) from these observations.									
3	pg1522_g160m11	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2200.0; FP-POS=1; FLASH=YES			2200.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6606 seconds (ETC COS72550). Exposure time is shorter, so buffer time = exposure time.									
4	pg1522_g160m12	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2975.0; FP-POS=2; FLASH=YES			2975.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6606 seconds (ETC COS72550). Exposure time is shorter, so buffer time = exposure time.									
5	pg1522_g160m13	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2975.0; FP-POS=3; FLASH=YES			2975.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6606 seconds (ETC COS72550). Exposure time is shorter, so buffer time = exposure time.									
6	pg1522_g160m14	(7) PG-1522+101	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2975.0; FP-POS=4; FLASH=YES			2975.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1982, 1983, and 1992) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6606 seconds (ETC COS72550). Exposure time is shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
Server Version: 20100505
*** VISIBILITY OVERRUN = 19
GS Reacq
Exp. 6
Occultation
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1000
1500
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2500
3000
3500
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4500
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5500
sec

Visit

Proposal 11741, Visit 19, completed Thu Oct 07 01:04:44 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 19) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 19) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 19) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 19) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 19) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

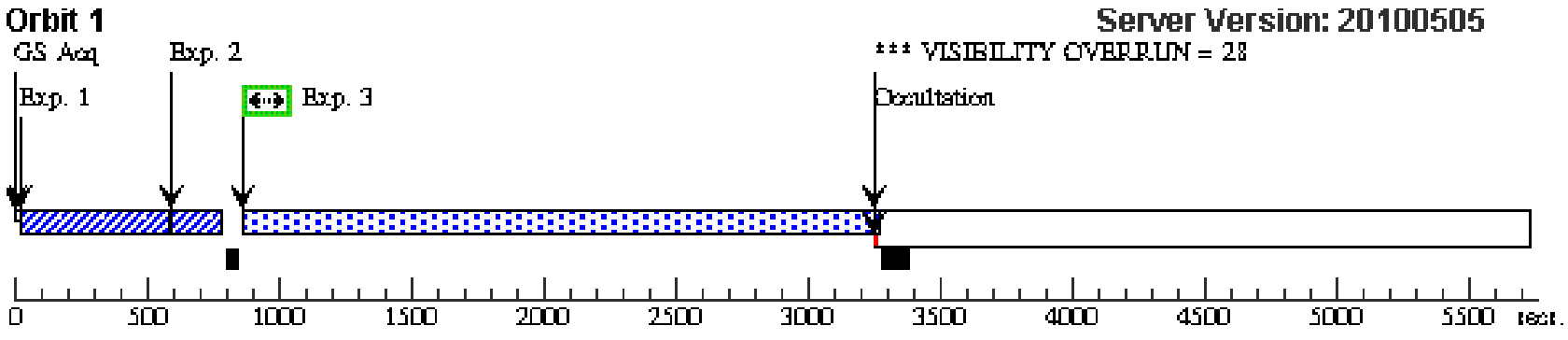
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	FBQS-0751+2919 Alt Name1: N8QU013856 Alt Name2: B0748+295	RA: 07 51 12.3070 (117.8012792d) Dec: +29 19 38.36 (29.32732d) Equinox: J2000	Redshift: 0.9149	V=15.8+/-0.1 GALEX FUV mag = 17.14, GALEX NUV mag = 16.26	Reference Frame: ICRS

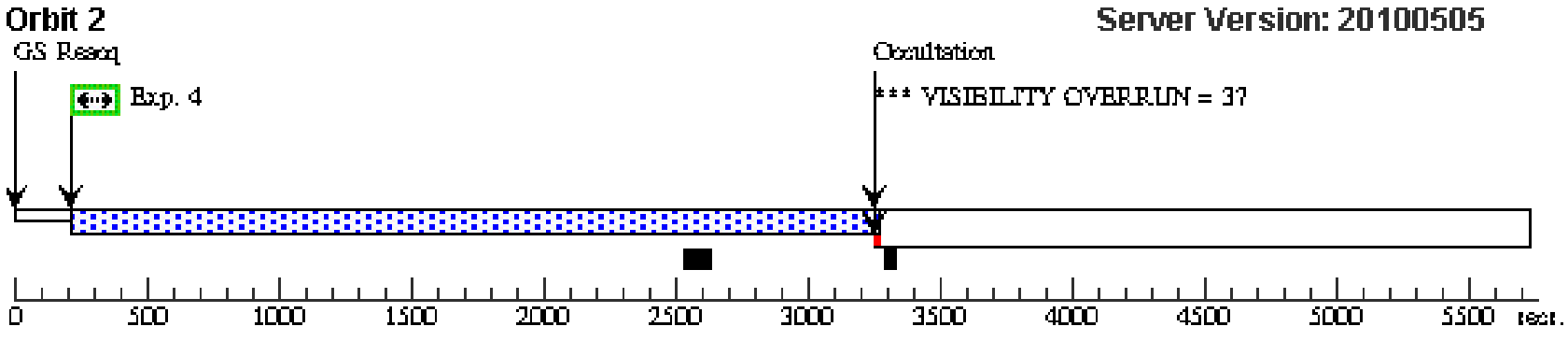
Comments: Coordinates from NED, verified with SDSS coordinates

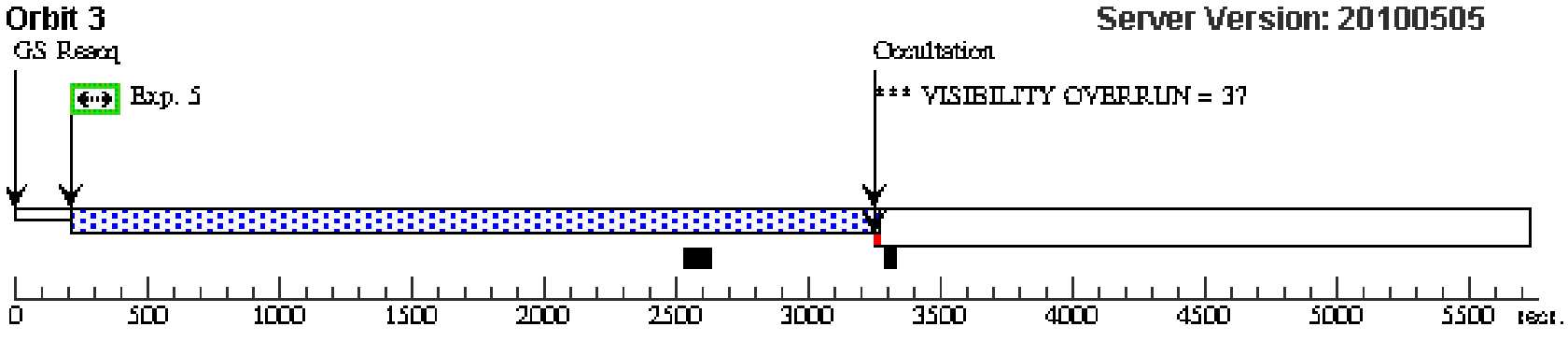
Exposures

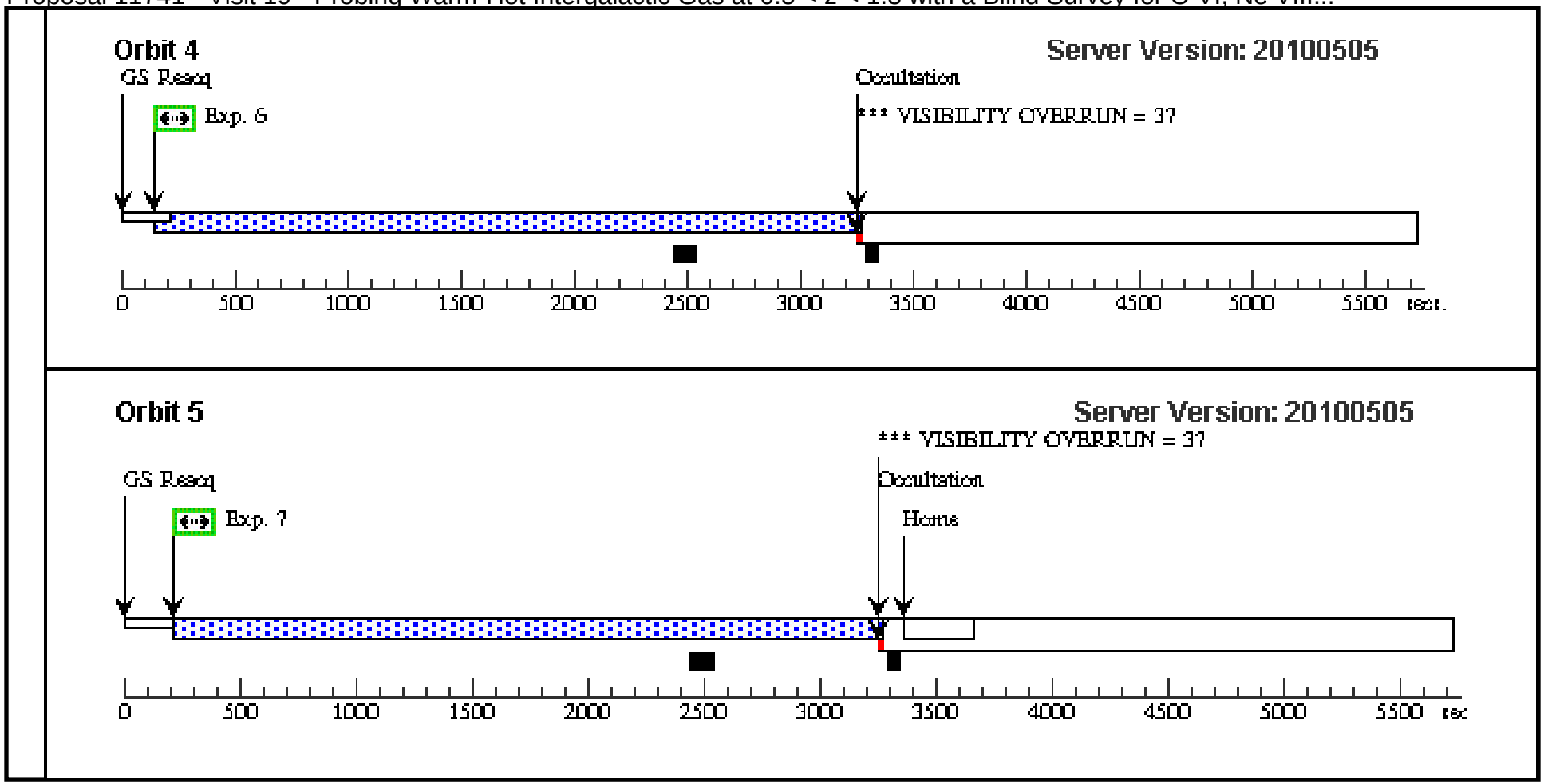
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	fbqs0751_acqsearch	(12) FBQS-0751+29 19	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			26.2 Secs *[==>]*	 ***[1]***
	Comments: NUV magnitude from GALEX used to calculate exposure time. To allow for possible variability, flux for exposure time based on observed flux x 0.5 (at 2000 A) as recommended in the Phase 2 COS instructions.								
2	fbqs0751_acqimage	(12) FBQS-0751+29 19	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				26.2 Secs *[==>]*	 ***[1]***
	Comments: NUV magnitude from GALEX used to calculate exposure time. To allow for possible variability, flux for exposure time based on observed flux x 0.5 (at 2000 A) as recommended in the Phase 2 COS instructions.								
3	fbqs0751_g130m1	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2249.0; FP-POS=1; FLASH=YES			2249.0 Secs *[==>]*	 ***[1]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 2283.0 (ETC COS111774).								
4	fbqs0751_g130m2	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2283.0; FP-POS=3; FLASH=YES			3008.0 Secs *[==>]*	 ***[2]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 2283.0 (ETC COS111774).								
5	fbqs0751_g130m3	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2283.0; FP-POS=4; FLASH=YES			3008.0 Secs *[==>]*	 ***[3]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 2283.0 (ETC COS111774).								
6	fbqs0751_g130m4	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2195.0; FP-POS=1; FLASH=YES			3008.0 Secs *[==>]*	 ***[4]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 2195.0 (ETC COS111776).								
7	fbqs0751_g130m5	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2195.0; FP-POS=3; FLASH=YES			3008.0 Secs *[==>]*	 ***[5]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 2195.0 (ETC COS111776).								

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Occultation
Exp. 6
*** VISIBILITY OVERRUN = 37
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 37
GS Reacq
Occultation
Exp. 7
Horns
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500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 20, completed Thu Oct 07 01:04:45 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 20) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 20) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 20) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 20) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 20) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

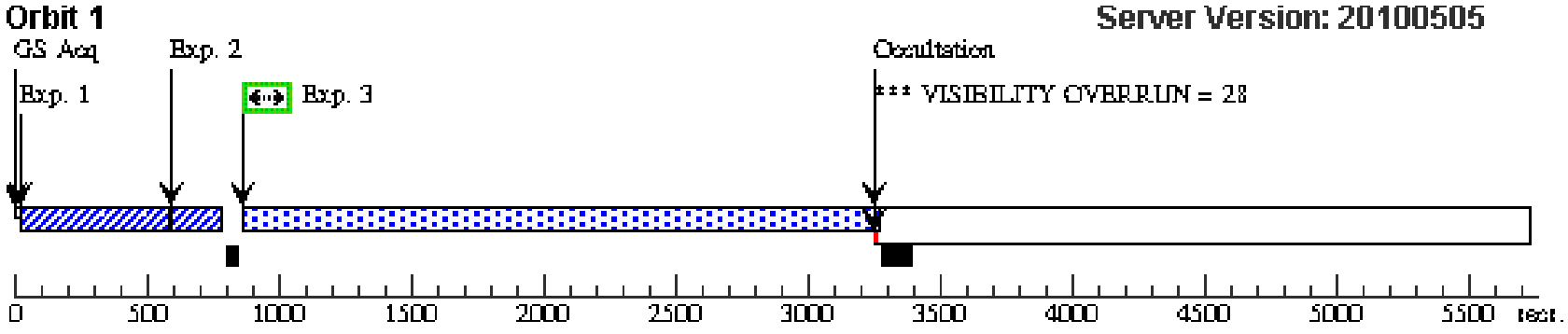
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	FBQS-0751+2919 Alt Name1: N8QU013856 Alt Name2: B0748+295	RA: 07 51 12.3070 (117.8012792d) Dec: +29 19 38.36 (29.32732d) Equinox: J2000	Redshift: 0.9149	V=15.8+/-0.1 GALEX FUV mag = 17.14, GALEX NUV mag = 16.26	Reference Frame: ICRS

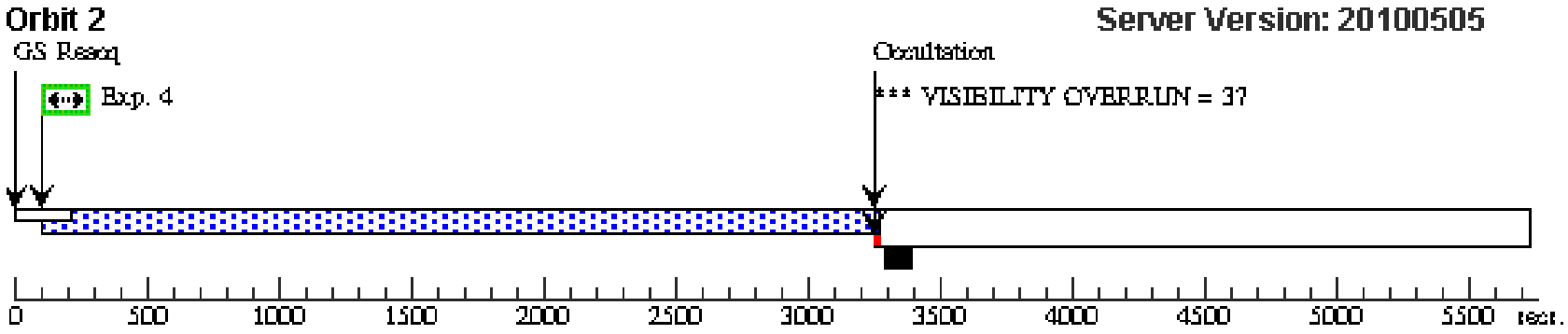
Comments: Coordinates from NED, verified with SDSS coordinates

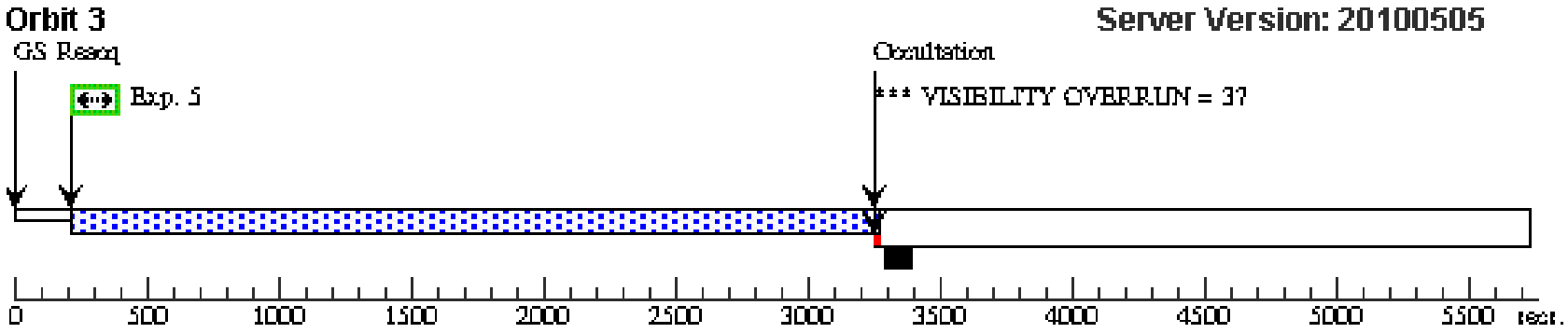
Exposures

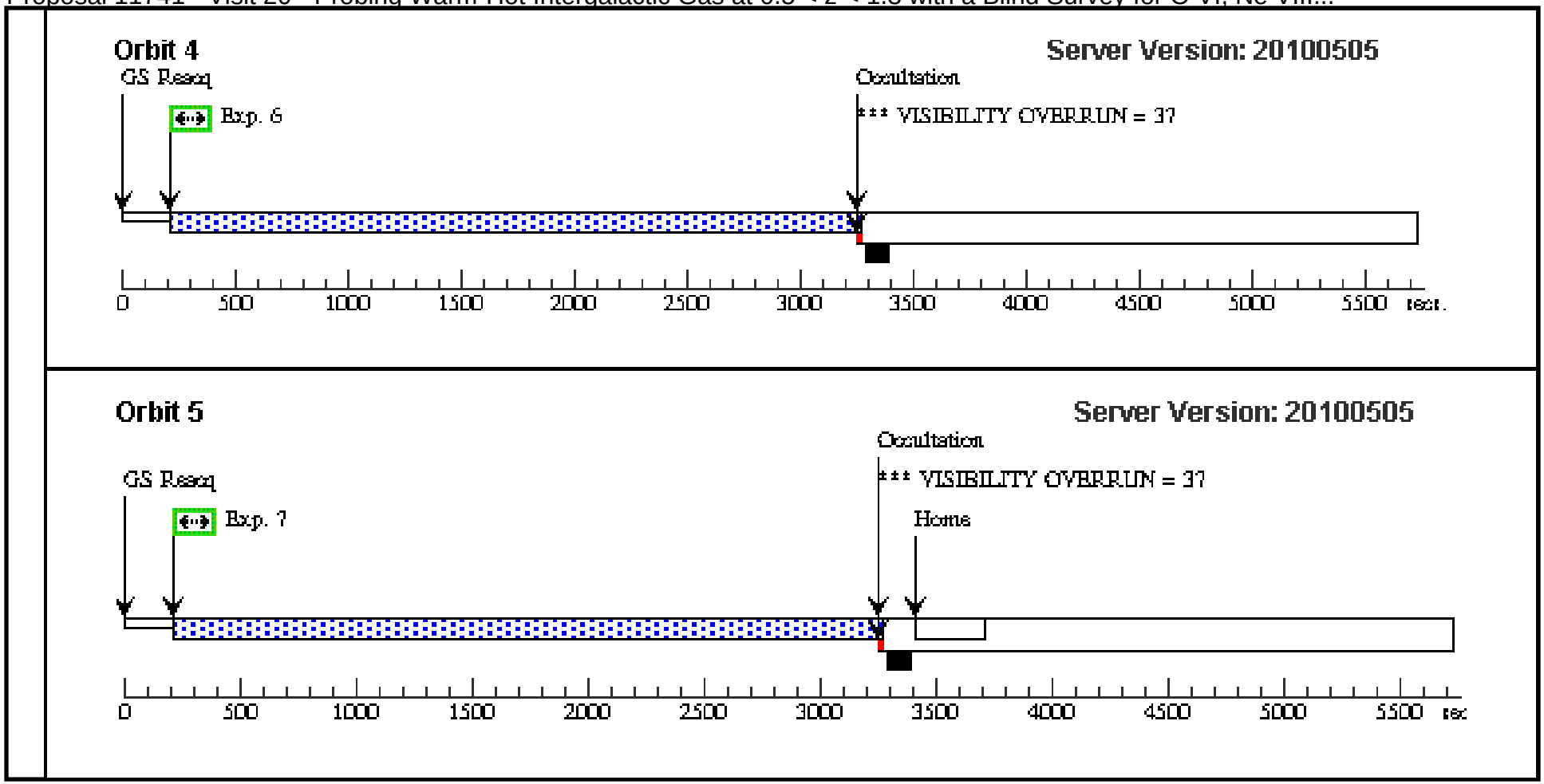
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	fbqs0751_acqsearch	(12) FBQS-0751+29 19	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			26.2 Secs *[==>]*	 ***[1]***
	Comments: NUV magnitude from GALEX used to calculate exposure time. To allow for possible variability, flux for exposure time based on observed flux x 0.5 (at 2000 A) as recommended in the Phase 2 COS instructions.								
2	fbqs0751_acqimage	(12) FBQS-0751+29 19	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				26.2 Secs *[==>]*	 ***[1]***
	Comments: NUV magnitude from GALEX used to calculate exposure time. To allow for possible variability, flux for exposure time based on observed flux x 0.5 (at 2000 A) as recommended in the Phase 2 COS instructions.								
3	fbqs0751_g130m6	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2195.0; FP-POS=4; FLASH=YES			2249.0 Secs *[==>]*	 ***[1]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 2195.0 (ETC COS111776).								
4	fbqs0751_g160m7	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3008.0; FP-POS=1; FLASH=YES			3008.0 Secs *[==>]*	 ***[2]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 5642 seconds (ETC COS111777).								
5	fbqs0751_g160m8	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3008.0; FP-POS=2; FLASH=YES			3008.0 Secs *[==>]*	 ***[3]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 5642 seconds (ETC COS111777).								
6	fbqs0751_g160m9	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3008.0; FP-POS=3; FLASH=YES			3008.0 Secs *[==>]*	 ***[4]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 5642 seconds (ETC COS111777).								
7	fbqs0751_g160m10	(12) FBQS-0751+29 19	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3008.0; FP-POS=4; FLASH=YES			3008.0 Secs *[==>]*	 ***[5]***
	Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 5642 seconds (ETC COS111777).								

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Occultation
Exp. 6
*** VISIBILITY OVERRUN = 37
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1500
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3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 37
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 21, completed Thu Oct 07 01:04:46 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 21) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 21) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 21) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 21) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

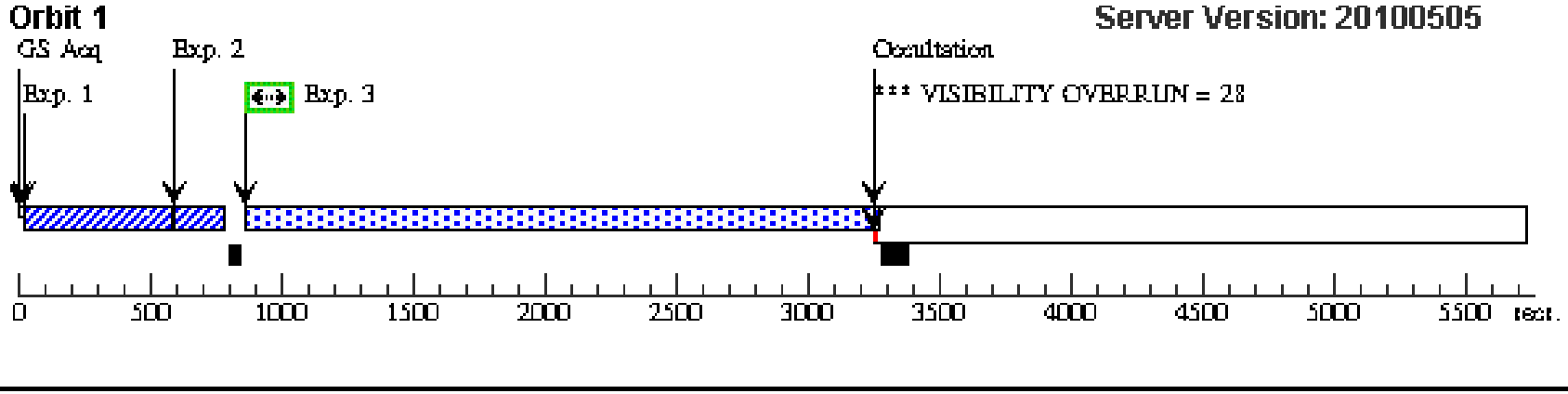
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	FBQS-0751+2919 Alt Name1: N8QU013856 Alt Name2: B0748+295	RA: 07 51 12.3070 (117.8012792d) Dec: +29 19 38.36 (29.32732d) Equinox: J2000	Redshift: 0.9149	V=15.8+/-0.1 GALEX FUV mag = 17.14, GALEX NUV mag = 16.26	Reference Frame: ICRS

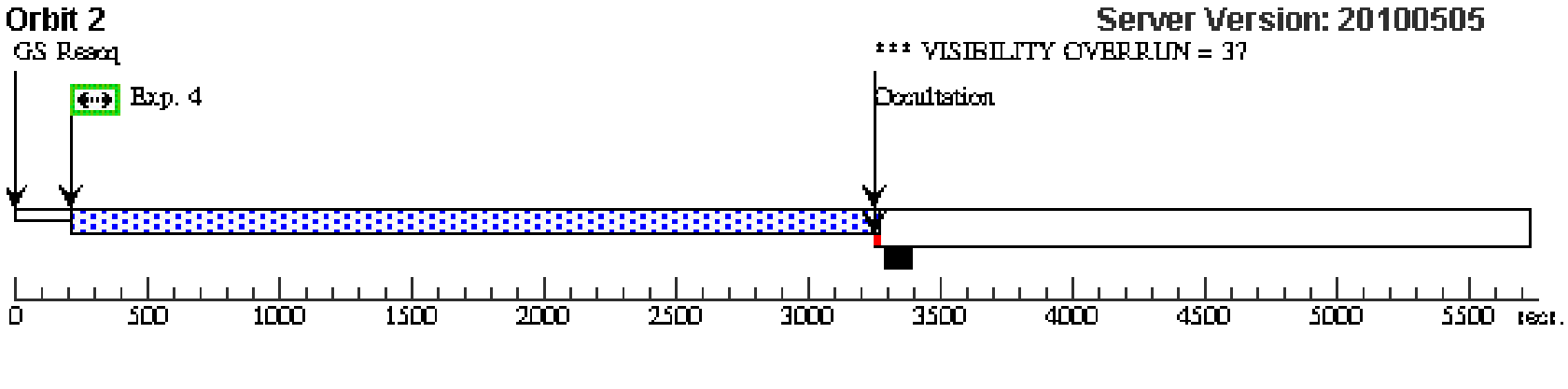
Comments: Coordinates from NED, verified with SDSS coordinates

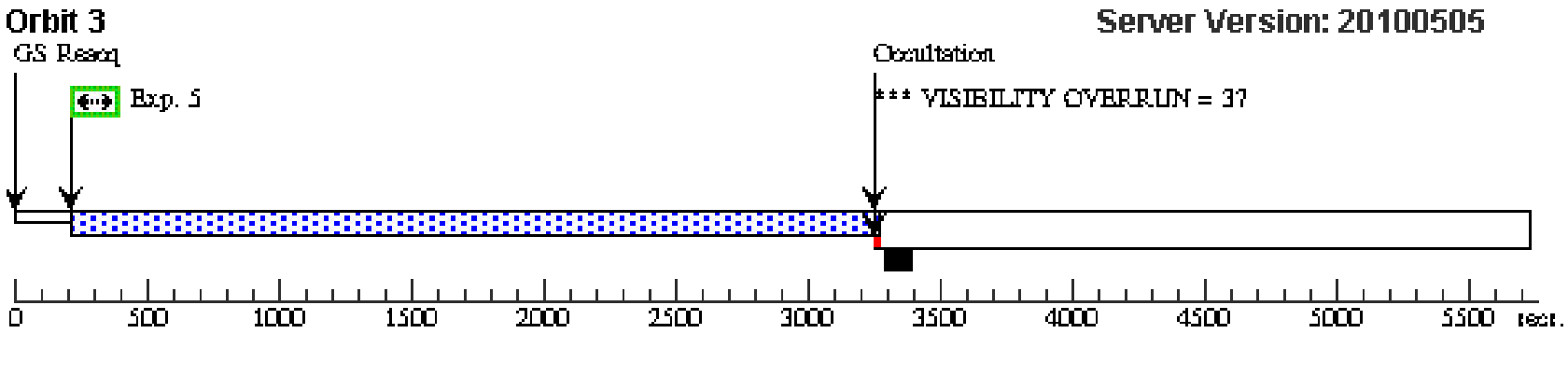
Exposures

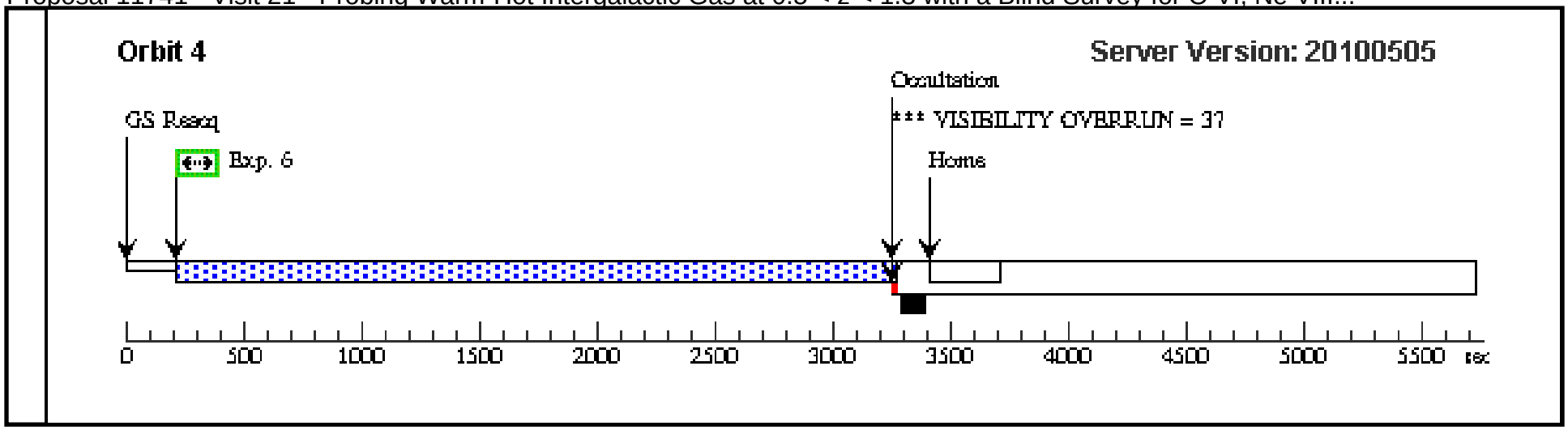
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	fbqs0751_acqsearch	(12) FBQS-0751+2919	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			26.2 Secs *[==>]*	 ***[1]***
Comments: NUV magnitude from GALEX used to calculate exposure time. To allow for possible variability, flux for exposure time based on observed flux x 0.5 (at 2000 A) as recommended in the Phase 2 COS instructions.									
2	fbqs0751_acqimage	(12) FBQS-0751+2919	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				26.2 Secs *[==>]*	 ***[1]***
Comments: NUV magnitude from GALEX used to calculate exposure time. To allow for possible variability, flux for exposure time based on observed flux x 0.5 (at 2000 A) as recommended in the Phase 2 COS instructions.									
3	fbqs0751_g160m11	(12) FBQS-0751+2919	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2204; FP-POS=1; FLASH=YES			2204.0 Secs *[==>]*	 ***[1]***
Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 5905 seconds (ETC COS111778).									
4	fbqs0751_g160m12	(12) FBQS-0751+2919	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3008.0; FP-POS=2; FLASH=YES			3008.0 Secs *[==>]*	 ***[2]***
Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 5905 seconds (ETC COS111778).									
5	fbqs0751_g160m13	(12) FBQS-0751+2919	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3008.0; FP-POS=3; FLASH=YES			3008.0 Secs *[==>]*	 ***[3]***
Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 5905 seconds (ETC COS111778).									
6	fbqs0751_g160m14	(12) FBQS-0751+2919	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3008.0; FP-POS=4; FLASH=YES			3008.0 Secs *[==>]*	 ***[4]***
Comments: FUV and NUV magnitudes from GALEX. True buffer time (2/3 of value given by ETC) = 5905 seconds (ETC COS111778).									

Orbit Structure








Orbit 4
Server Version: 20100505
Occultation
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GS Reacq
Exp. 6
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1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 22, completed Thu Oct 07 01:04:46 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 22) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 22) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 22) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 22) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 22) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

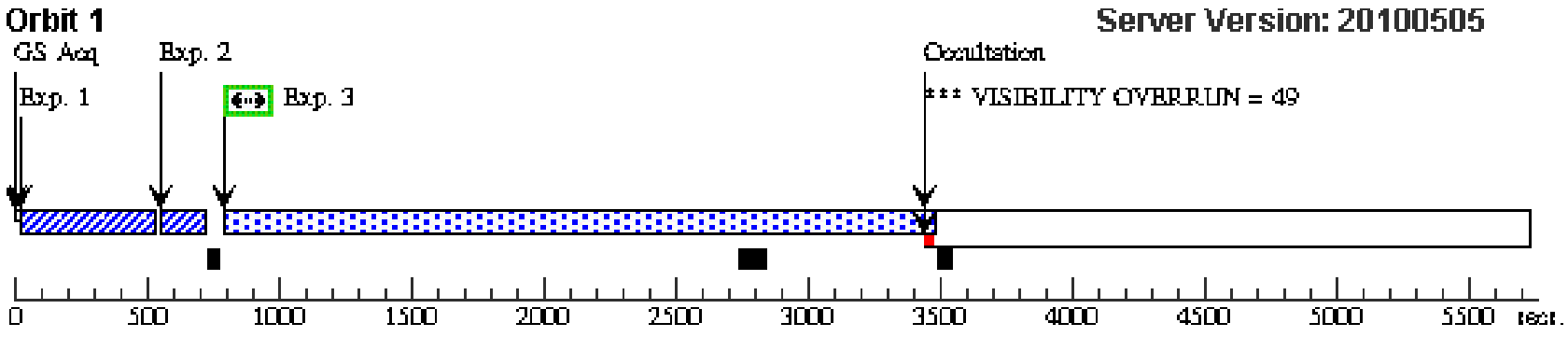
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PG-1148+549	RA: 11 51 20.4600 (177.8352500d)	Redshift: 0.969	V=15.82+/-0.1	Reference Frame: ICRS
	Alt Name1: N7IR000417	Dec: +54 37 33.07 (54.62585d)		Flambda(1350 A) = 1.0e-14	
	Alt Name2: SDSS115120.46+543733.0	Equinox: J2000			

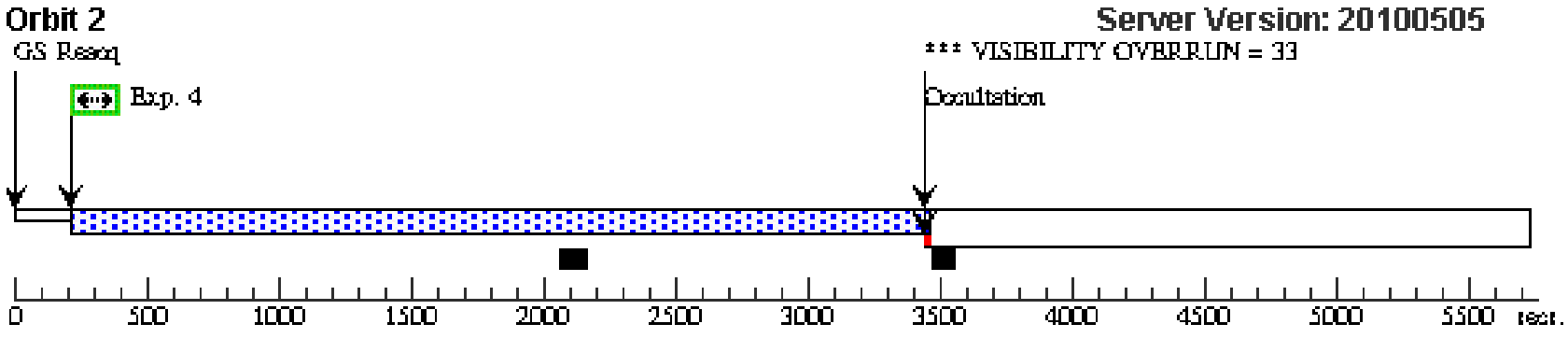
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

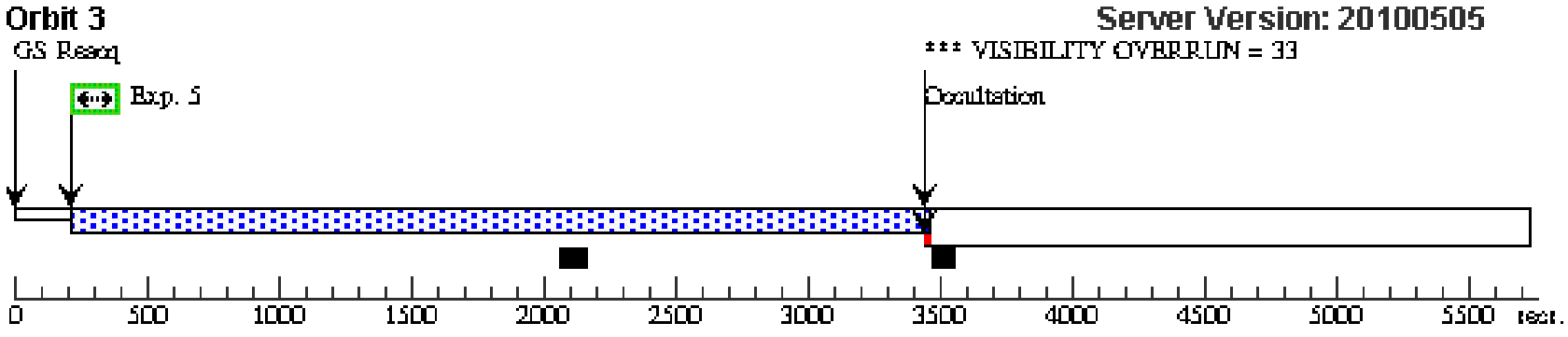
Exposures

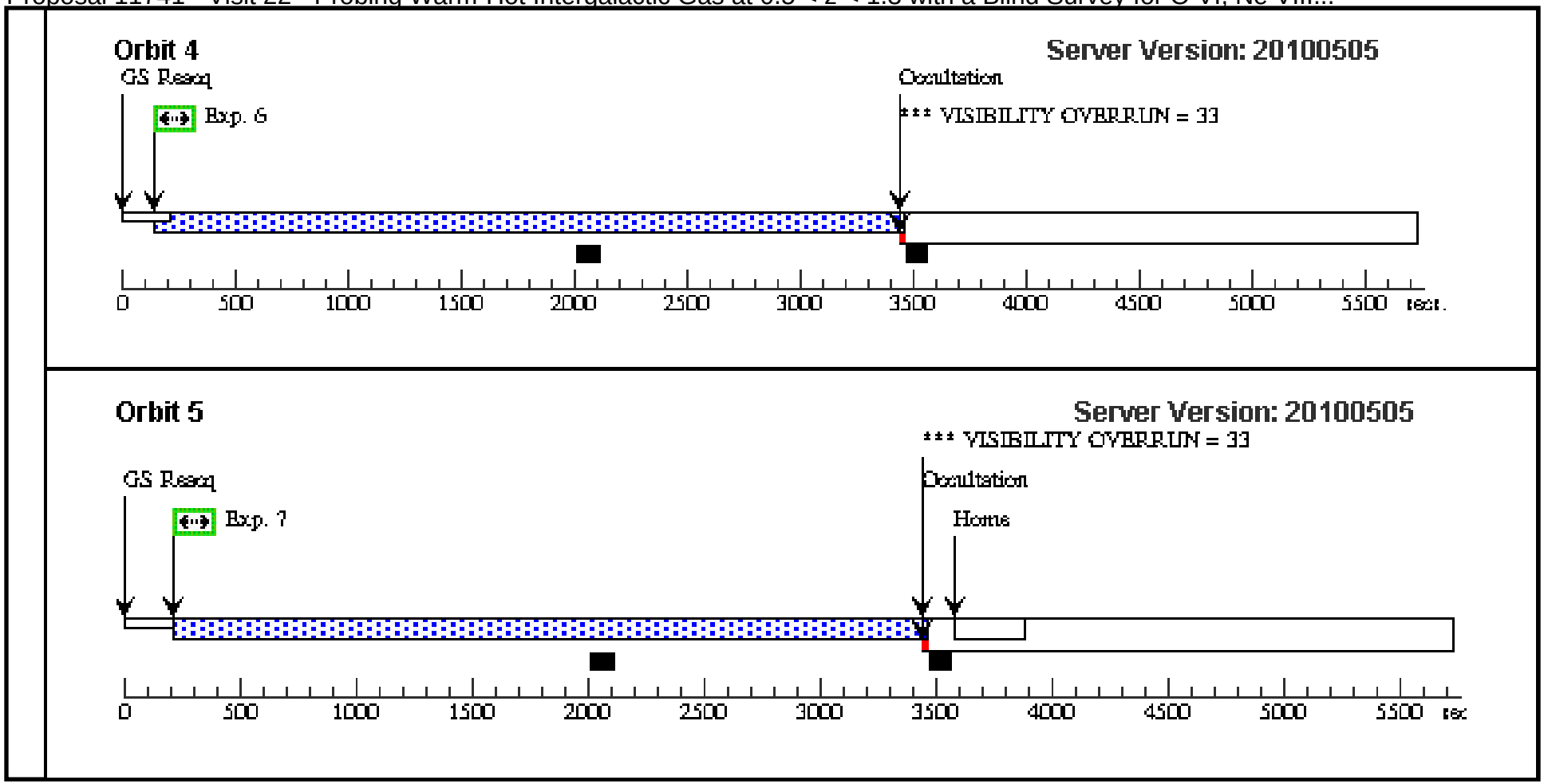
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1148_acq search	(2) PG-1148+549	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			14.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1981, 1989) and FOS (1993,1995). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70555									
2	pg1148_acqi mage	(2) PG-1148+549	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				14.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1981, 1989) and FOS (1993,1995). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70555									
3	pg1148_g130m1	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=18 14.0; FP-POS=1; FLASH=YES			2527.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1814 seconds (ETC COS72563).									
4	pg1148_g130m2	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=18 14.0; FP-POS=3; FLASH=YES			3192.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1814 seconds (ETC COS72563).									
5	pg1148_g130m3	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=18 14.0; FP-POS=4; FLASH=YES			3192.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1814 seconds (ETC COS72563).									
6	pg1148_g130m4	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 59.0; FP-POS=1; FLASH=YES			3192.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1759 seconds (ETC COS72566).									
7	pg1148_g130m5	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 59.0; FP-POS=3; FLASH=YES			3192.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1759 seconds (ETC COS72566).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Occultation
Exp. 6
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3500
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4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 33
GS Reacq
Occultation
Exp. 7
Horns
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500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 23, completed Thu Oct 07 01:04:47 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 23) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 23) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 23) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 23) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 23) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

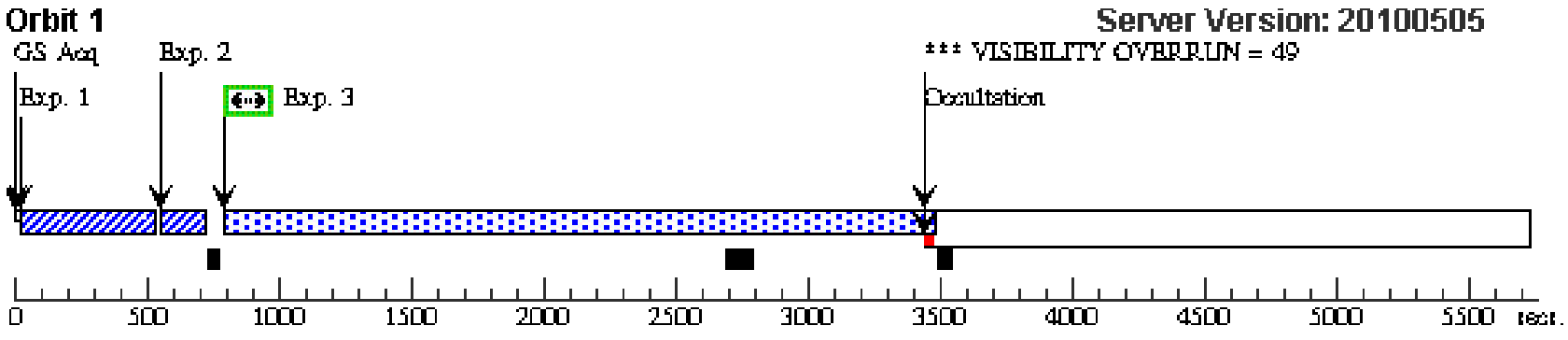
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PG-1148+549	RA: 11 51 20.4600 (177.8352500d)	Redshift: 0.969	V=15.82+/-0.1	Reference Frame: ICRS
	Alt Name1: N7IR000417	Dec: +54 37 33.07 (54.62585d)		Flambda(1350 A) = 1.0e-14	
	Alt Name2: SDSS115120.46+543733.0	Equinox: J2000			

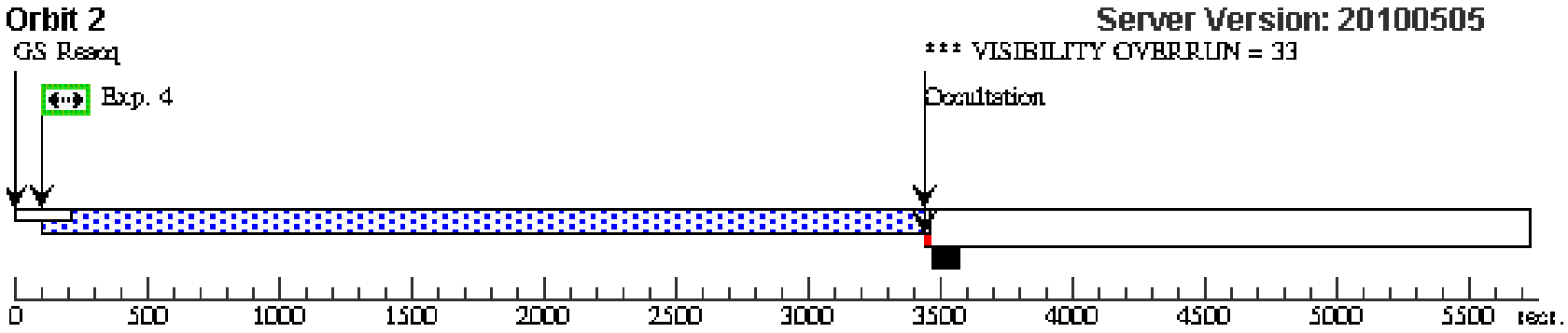
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

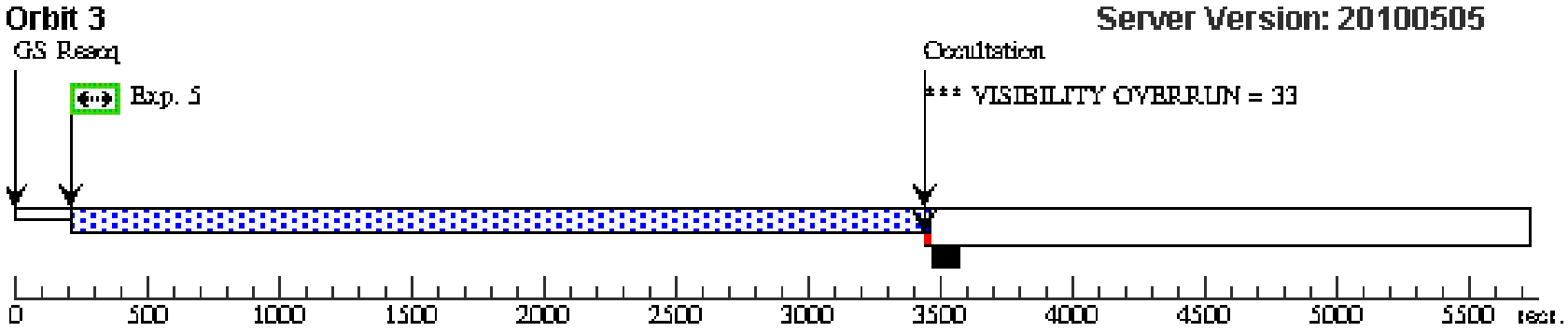
Exposures

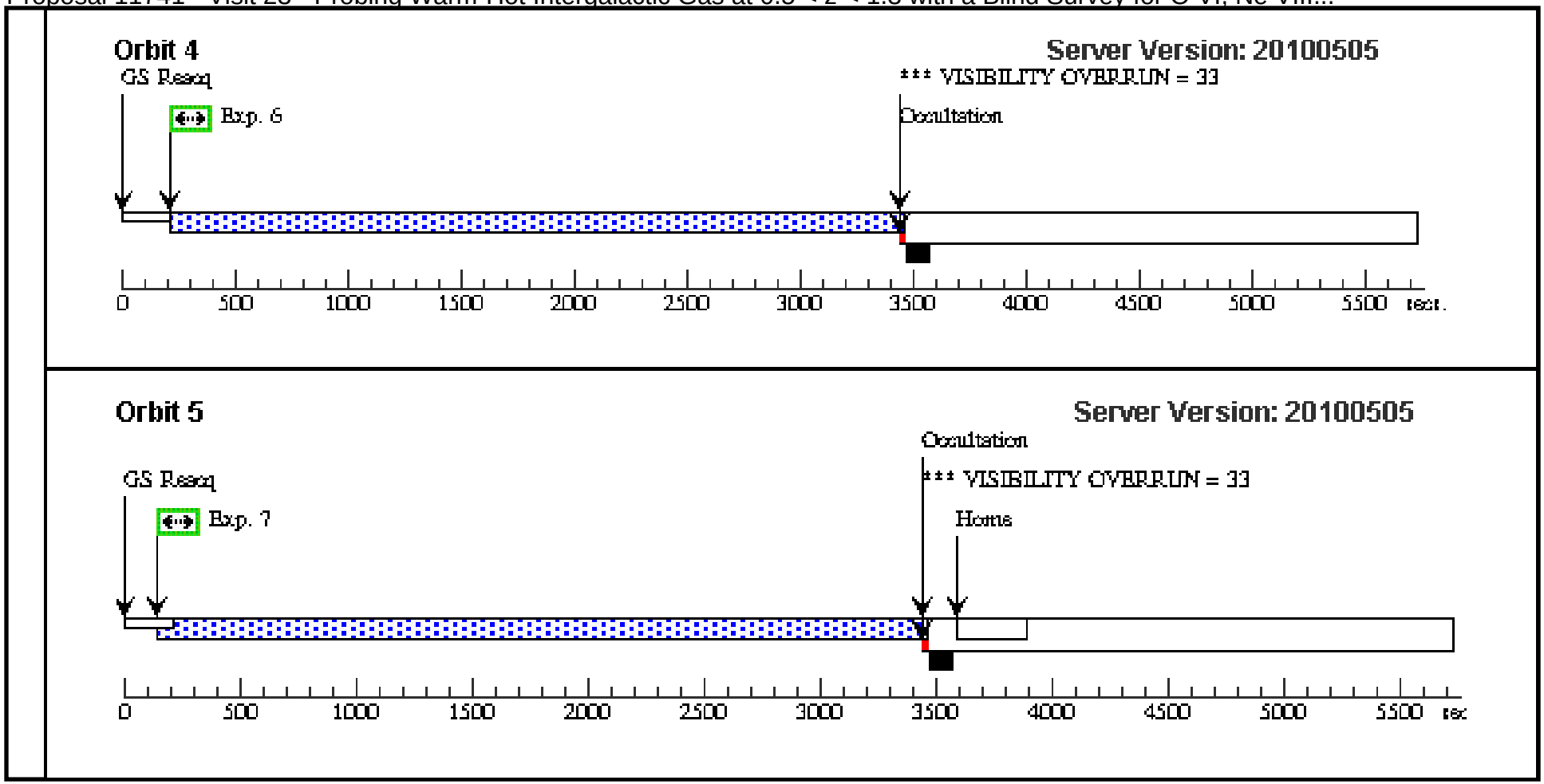
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1148_acq search	(2) PG-1148+549	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			14.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1981, 1989) and FOS (1993,1995). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70555									
2	pg1148_acqi mage	(2) PG-1148+549	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				14.9 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1981, 1989) and FOS (1993,1995). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70555									
3	pg1148_g130m6	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1759.0; FP-POS=4; FLASH=YES			2527.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1759 seconds (ETC COS72566).									
4	pg1148_g160m7	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3192.0; FP-POS=1; FLASH=YES			3192.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 3620 seconds (ETC COS72568). Exposure time is shorter, so buffer time = exposure time.									
5	pg1148_g160m8	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3192.0; FP-POS=3; FLASH=YES			3192.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 3620 seconds (ETC COS72568). Exposure time is shorter, so buffer time = exposure time.									
6	pg1148_g160m9	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3192.0; FP-POS=4; FLASH=YES			3192.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 3620 seconds (ETC COS72568). Exposure time is shorter, so buffer time = exposure time.									
7	pg1148_g160m10	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3192.0; FP-POS=1; FLASH=YES			3192.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 3814 seconds (ETC COS72569). Exposure time is shorter, so buffer time = exposure time.									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
*** VISIBILITY OVERRUN = 33
Exp. 6
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 33
Exp. 7
Horns
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 24, completed Thu Oct 07 01:04:49 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 24) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 24) Warning (Orbit Planner): VISIBILITY OVERRUN

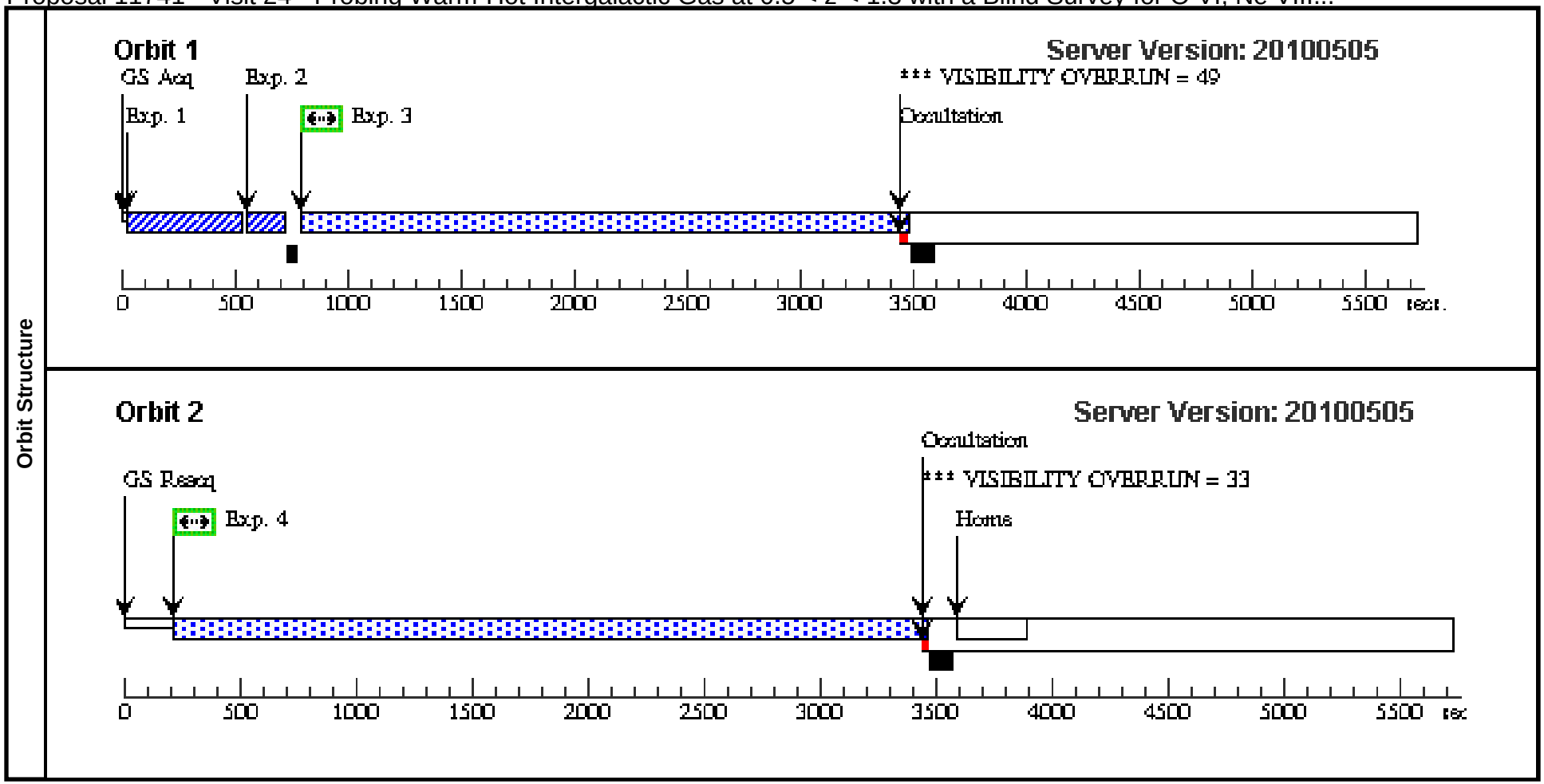
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	PG-1148+549 Alt Name1: N7IR000417 Alt Name2: SDSS115120.46+543733.0	RA: 11 51 20.4600 (177.8352500d) Dec: +54 37 33.07 (54.62585d) Equinox: J2000	Redshift: 0.969	V=15.82+/-0.1 Flambda(1350 A) = 1.0e-14	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1148_acq search	(2) PG-1148+549	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			14.9 Secs *[==>]*	 ***[1]***
Comments: Target observed in NUV with IUE (1981, 1989) and FOS (1993,1995). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70555									
2	pg1148_acqimage	(2) PG-1148+549	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				14.9 Secs *[==>]*	 ***[1]***
Comments: Target observed in NUV with IUE (1981, 1989) and FOS (1993,1995). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70555									
3	pg1148_g160m11	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2482.0; FP-POS=3; FLASH=YES			2482.0 Secs *[==>]*	 ***[1]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 3814 seconds (ETC COS72569). Exposure time is shorter, so buffer time = exposure time.									
4	pg1148_g160m12	(2) PG-1148+549	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3192.0; FP-POS=4; FLASH=YES			3192.0 Secs *[==>]*	 ***[2]***
Comments: Target observed in FUV with IUE (1981, 1983, and 1988) and FOS (1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 3814 seconds (ETC COS72569). Exposure time is shorter, so buffer time = exposure time.									


Orbit Structure
Orbit 1
Server Version: 20100505
GS Acq
Exp. 1
Exp. 2
Exp. 3
*** VISIBILITY OVERRUN = 49
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 2
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 33
Exp. 4
Horns
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 25, completed Thu Oct 07 01:04:49 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 25) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 25) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 25) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 25) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 25) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

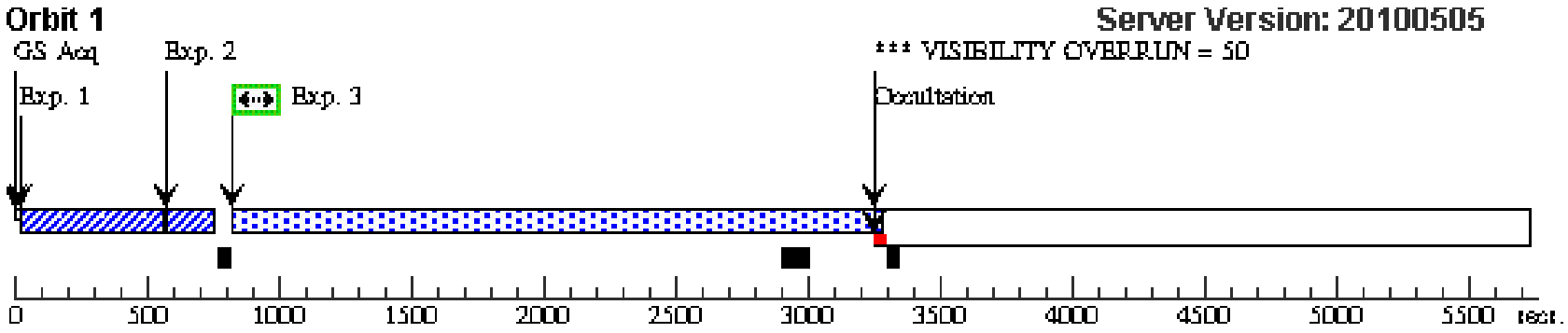
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	PG-1407+265	RA: 14 09 23.9040 (212.3496000d)	Redshift: 0.94	V=15.74+/-0.1	Reference Frame: ICRS
	Alt Name1: N687002470	Dec: +26 18 21.00 (26.30583d)		Flambda(1350 A) = 9.0e-15	
	Alt Name2: FBQS140923.9+261821	Equinox: J2000			

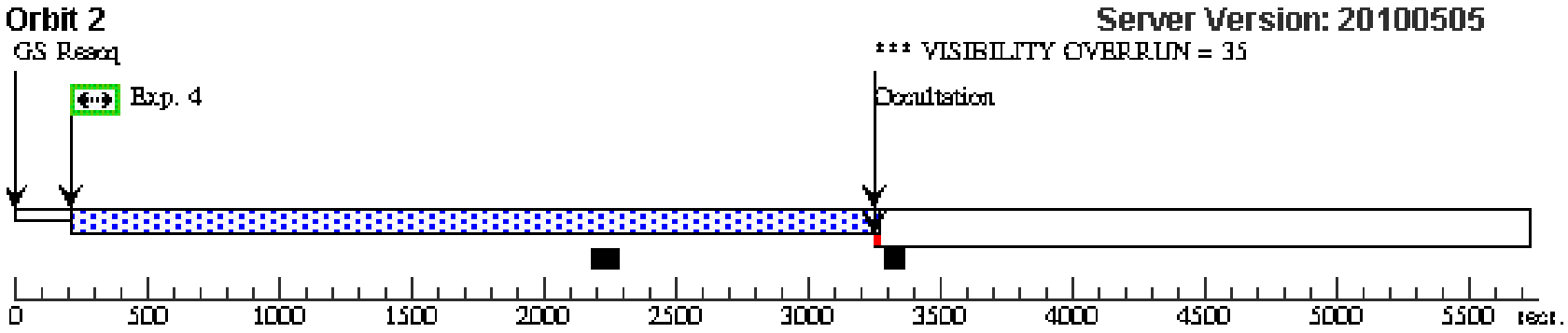
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

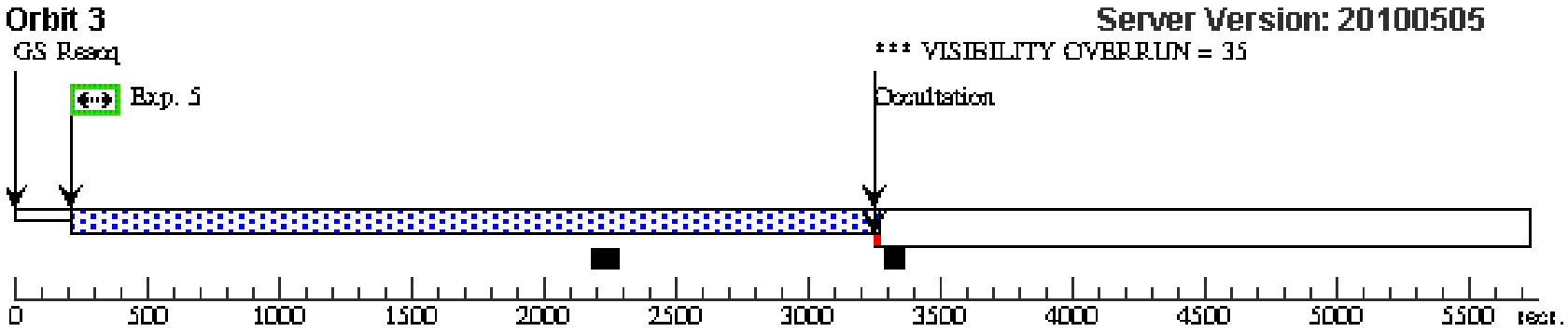
Exposures

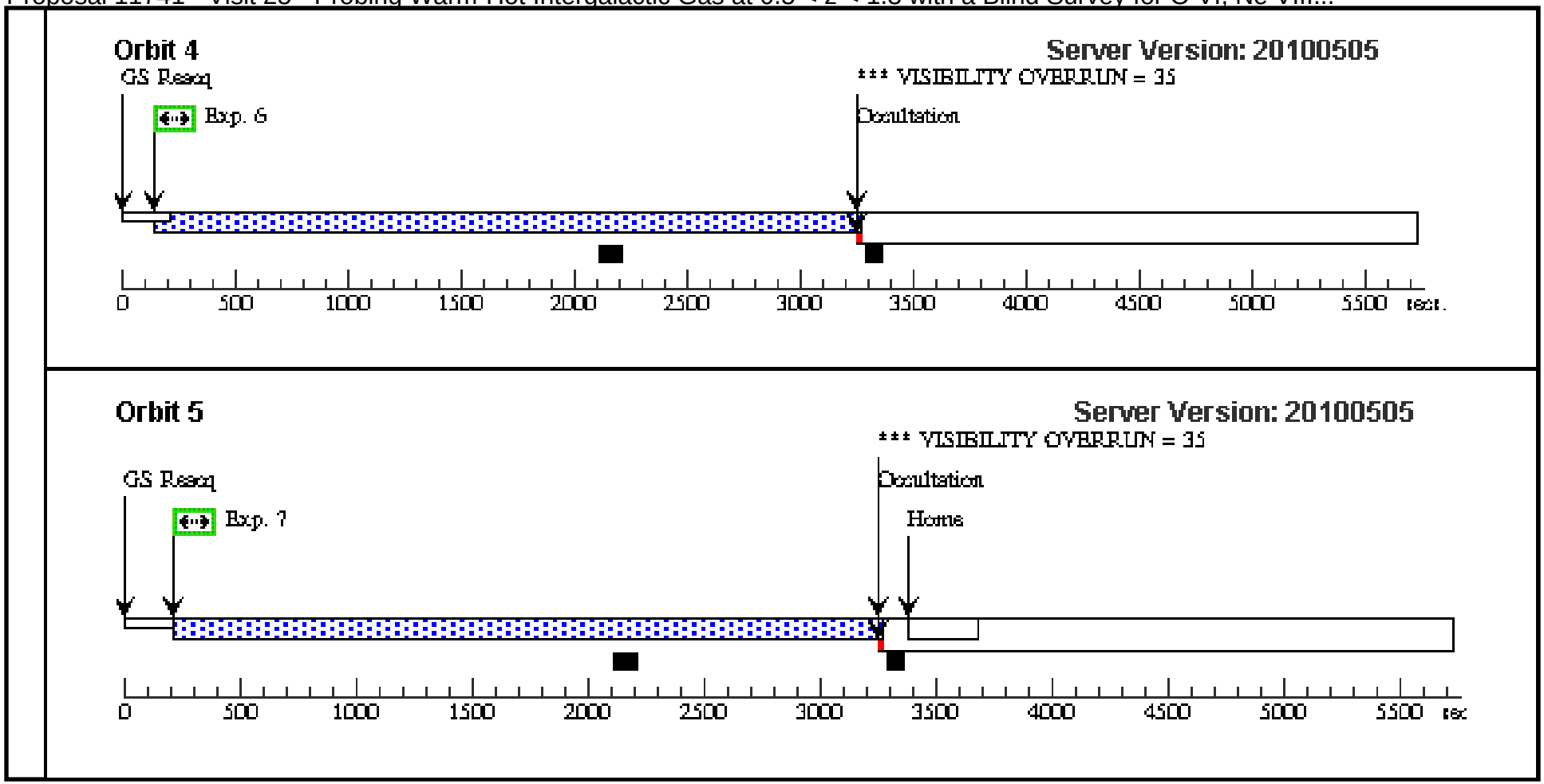
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1407_acq search	(6) PG-1407+265	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			20.8 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1989) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70566									
2	pg1407_acqimage	(6) PG-1407+265	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20.8 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1989) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70566									
3	pg1407_g130m1	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1932.0; FP-POS=1; FLASH=YES			2304.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1932 seconds (ETC COS72572).									
4	pg1407_g130m2	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1932.0; FP-POS=3; FLASH=YES			3006.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1932 seconds (ETC COS72572).									
5	pg1407_g130m3	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1932.0; FP-POS=4; FLASH=YES			3006.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1932 seconds (ETC COS72572).									
6	pg1407_g130m4	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1866.0; FP-POS=1; FLASH=YES			3006.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1866 seconds (ETC COS72573).									
7	pg1407_g130m5	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1866.0; FP-POS=3; FLASH=YES			3006.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1866 seconds (ETC COS72573).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
*** VISIBILITY OVERRUN = 35
Exp. 6
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 35
GS Reacq
Occultation
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 26, completed Thu Oct 07 01:04:50 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 26) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 26) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 26) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 26) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 26) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

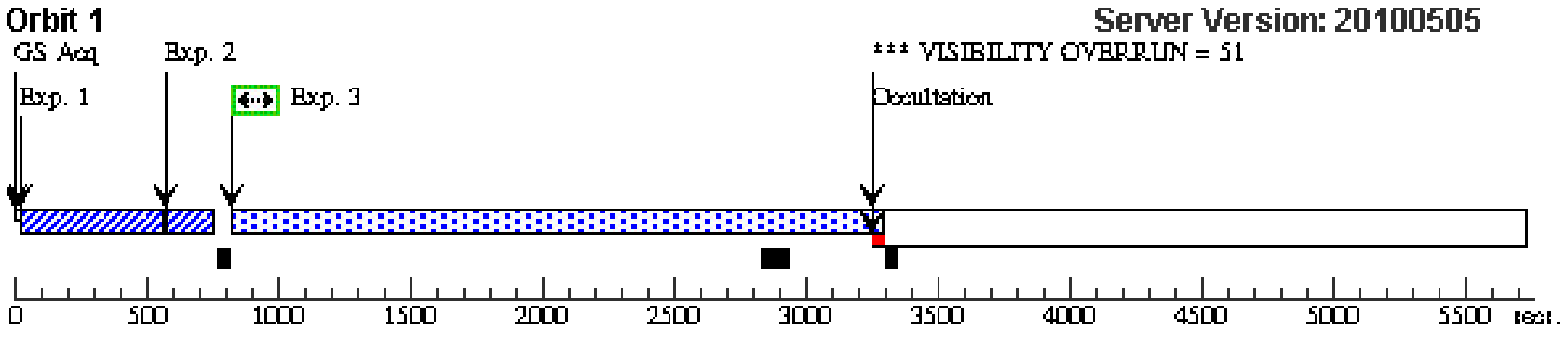
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	PG-1407+265	RA: 14 09 23.9040 (212.3496000d)	Redshift: 0.94	V=15.74+/-0.1	Reference Frame: ICRS
	Alt Name1: N687002470	Dec: +26 18 21.00 (26.30583d)		Flambda(1350 A) = 9.0e-15	
	Alt Name2: FBQS140923.9+261821	Equinox: J2000			

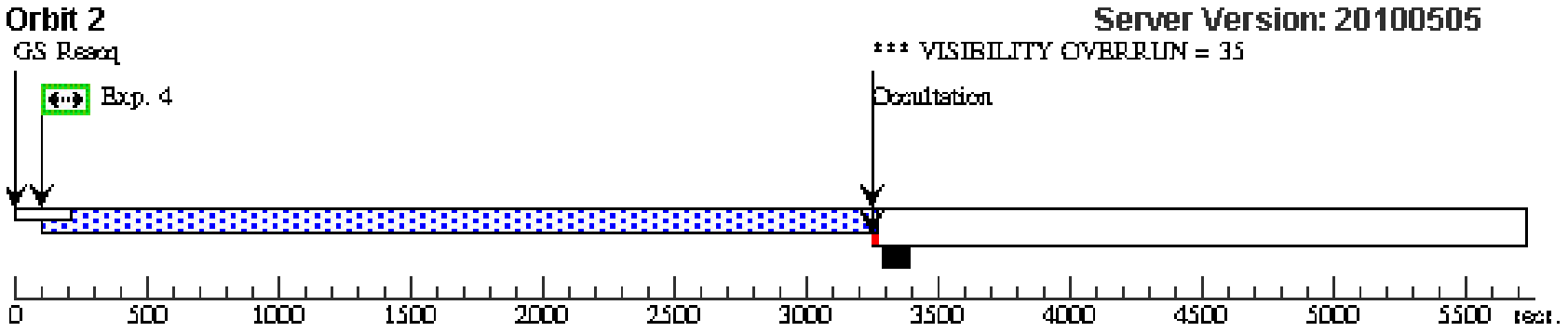
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

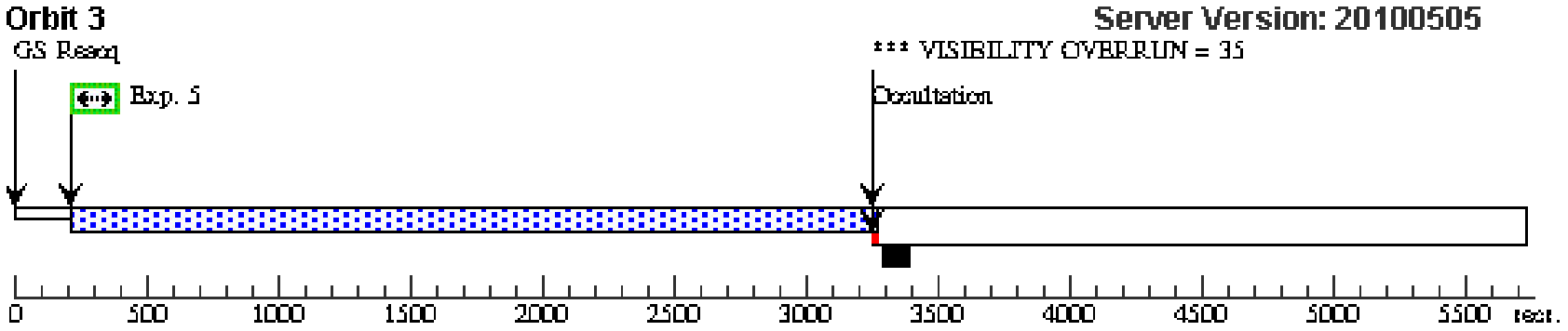
Exposures

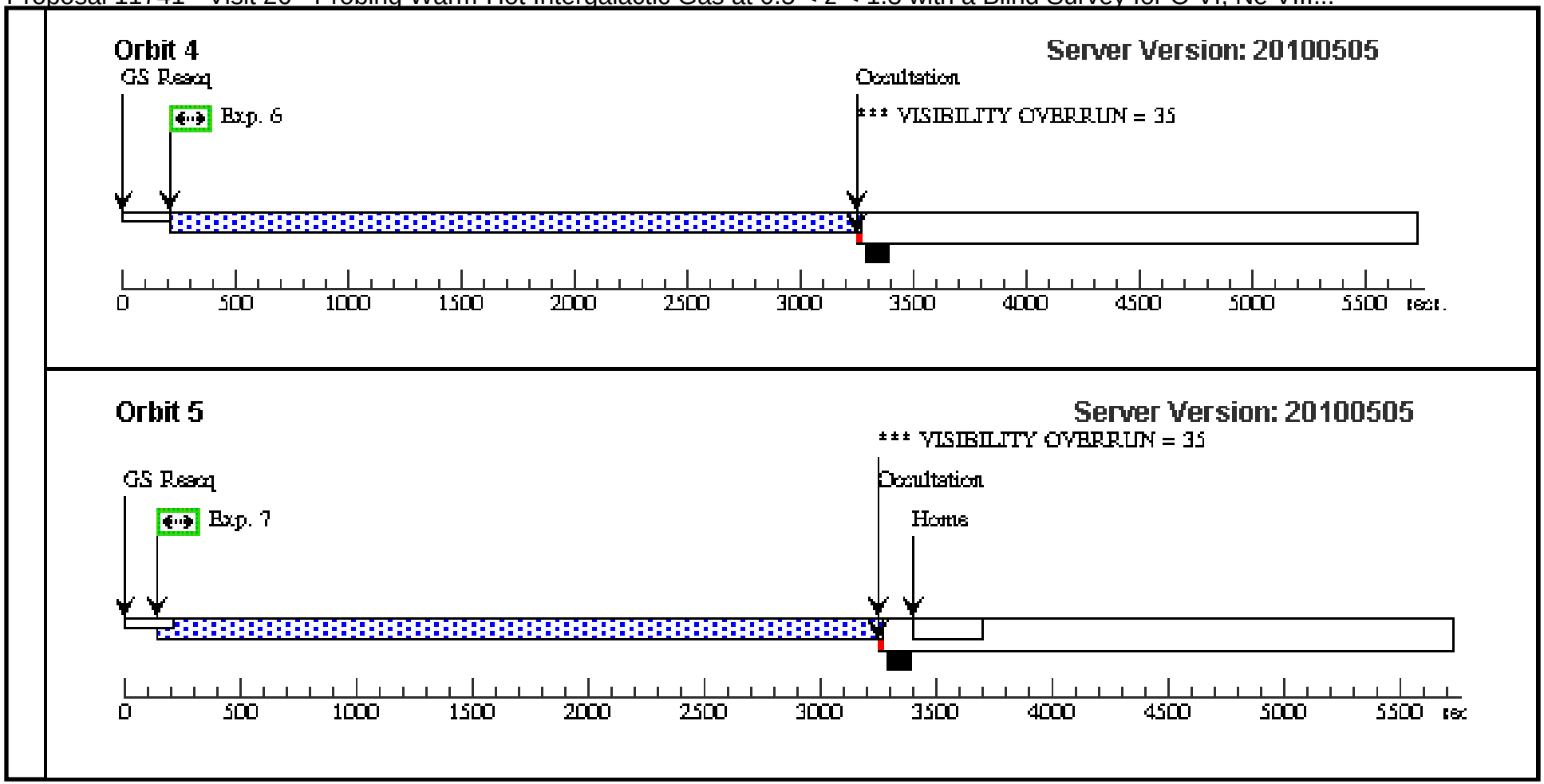
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1407_acq search	(6) PG-1407+265	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			20.8 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1989) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70566									
2	pg1407_acqi mage	(6) PG-1407+265	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20.8 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1989) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70566									
3	pg1407_g130m6	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1866.0; FP-POS=4; FLASH=YES			2305.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 1866 seconds (ETC COS72573).									
4	pg1407_g160m7	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3006.0; FP-POS=1; FLASH=YES			3006.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 4456 seconds (ETC COS72574).									
5	pg1407_g160m8	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3006.0; FP-POS=3; FLASH=YES			3006.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 4456 seconds (ETC COS72574).									
6	pg1407_g160m9	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3006.0; FP-POS=4; FLASH=YES			3006.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 4456 seconds (ETC COS72574).									
7	pg1407_g160m10	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3006.0; FP-POS=1; FLASH=YES			3006.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 4681 seconds (ETC COS72588).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Occultation
Exp. 6
*** VISIBILITY OVERRUN = 35
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 35
GS Reacq
Occultation
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 27, completed Thu Oct 07 01:04:51 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 27) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 27) Warning (Orbit Planner): VISIBILITY OVERRUN

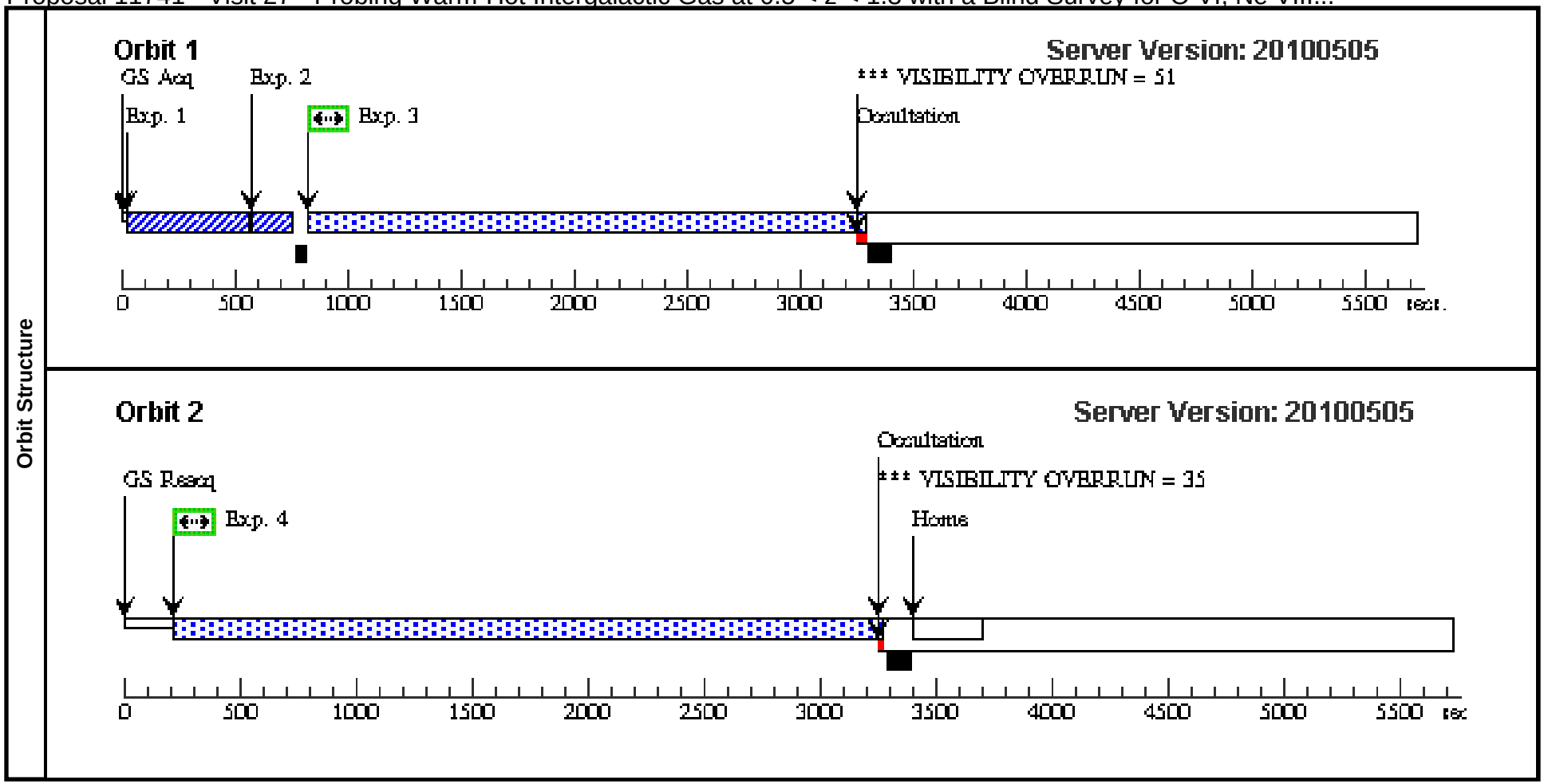
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	PG-1407+265	RA: 14 09 23.9040 (212.3496000d)	Redshift: 0.94	V=15.74+/-0.1	Reference Frame: ICRS
	Alt Name1: N687002470	Dec: +26 18 21.00 (26.30583d)		Flambda(1350 A) = 9.0e-15	
	Alt Name2: FBQS140923.9+261821	Equinox: J2000			

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1407_acq search	(6) PG-1407+265	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			20.8 Secs [==>]	[1]
Comments: Target observed in NUV with IUE (1989) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70566									
2	pg1407_acqimage	(6) PG-1407+265	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20.8 Secs [==>]	[1]
Comments: Target observed in NUV with IUE (1989) and FOS (1992). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70566									
3	pg1407_g160m11	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2260.0; FP-POS=3; FLASH=YES			2260.0 Secs [==>]	[1]
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 4681 seconds (ETC COS72588).									
4	pg1407_g160m12	(6) PG-1407+265	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3006.0; FP-POS=4; FLASH=YES			3006.0 Secs [==>]	[2]
Comments: Target observed in FUV with IUE (1983 and 1989) and FOS (1992). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 4681 seconds (ETC COS72588).									


Orbit Structure
Orbit 1
Server Version: 20100505
GS Acq
Exp. 1
Exp. 2
Exp. 3
*** VISIBILITY OVERRUN = 51
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 2
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 35
Exp. 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 28, completed Thu Oct 07 01:04:51 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 28) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 28) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 28) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 28) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 28) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

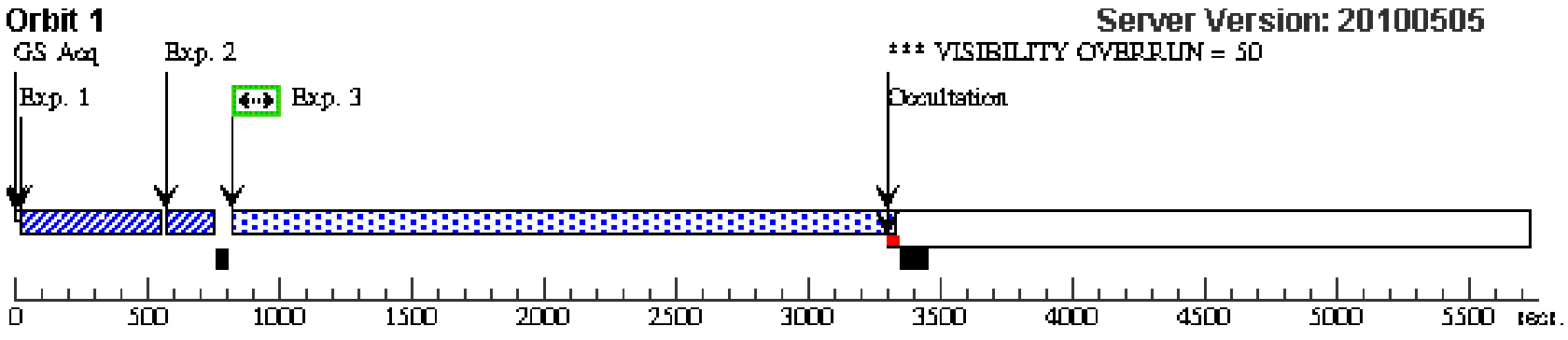
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	PG-1630+377	RA: 16 32 1.1200 (248.0046667d)	Redshift: 1.471	V=16.07+/-0.1	Reference Frame: ICRS
	Alt Name1: N63C002076	Dec: +37 37 50.00 (37.63056d)		Flambda(1350 A) = 5.5e-15	
	Alt Name2: SDSS163201.11+373750.0	Equinox: J2000			

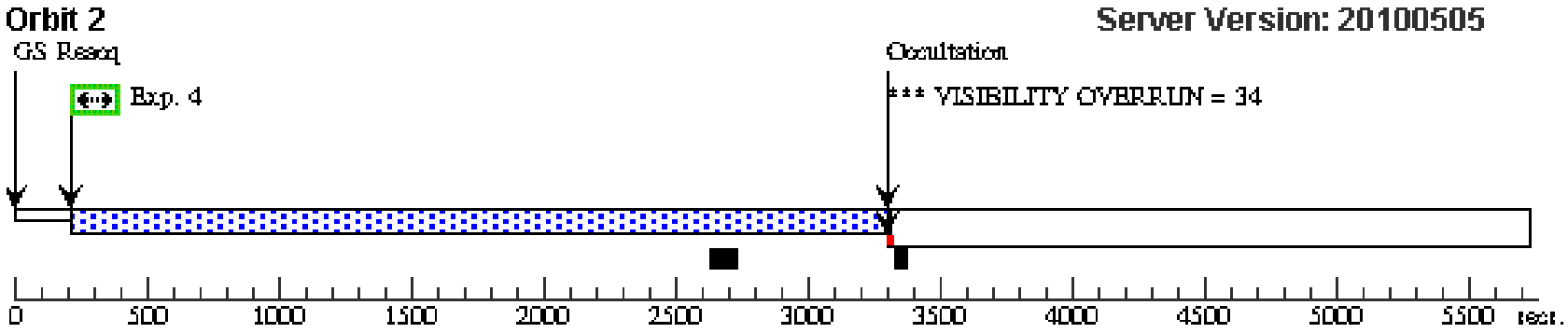
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

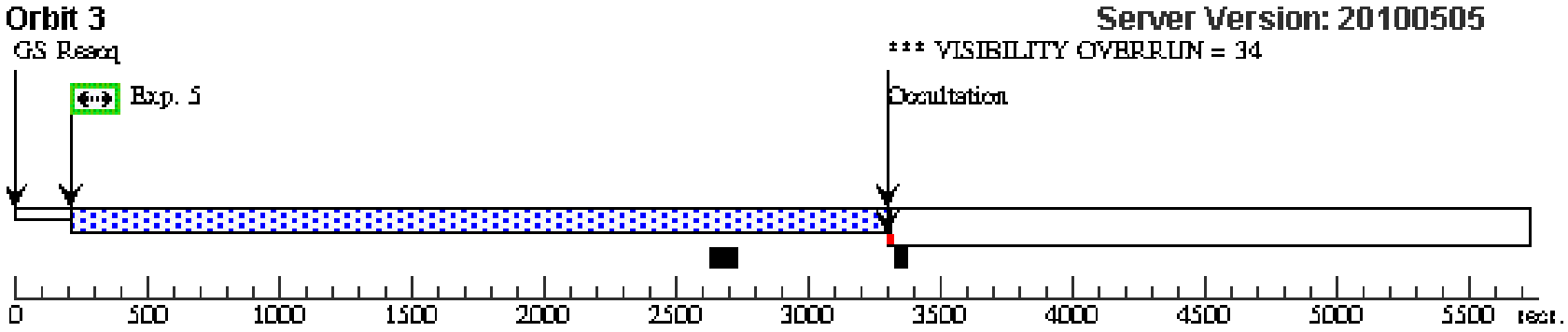
Exposures

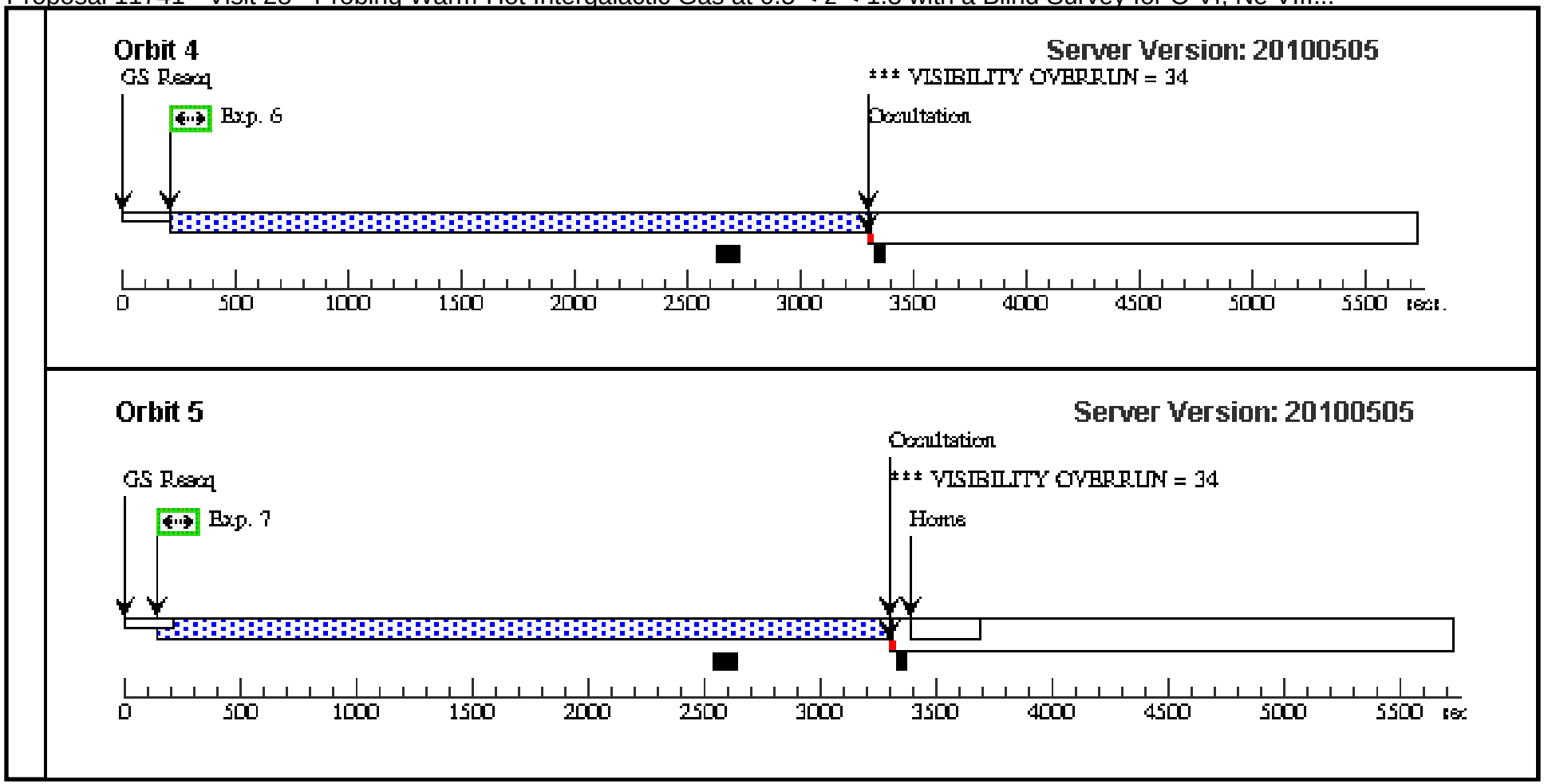
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1630_acq search	(8) PG-1630+377	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			20.7 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1984), FOS (1995), and STIS (2001). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70617.									
2	pg1630_acqi mage	(8) PG-1630+377	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20.7 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1984), FOS (1995), and STIS (2001). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70617.									
3	pg1630_g130m1	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2349.0; FP-POS=1; FLASH=YES			2349.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2380 seconds (ETC COS72593).									
4	pg1630_g130m2	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=3080.0; FP-POS=2; FLASH=YES			3049.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2380 seconds (ETC COS72593).									
5	pg1630_g130m3	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=3080.0; FP-POS=3; FLASH=YES			3049.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2380 seconds (ETC COS72593).									
6	pg1630_g130m4	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=3080.0; FP-POS=4; FLASH=YES			3049.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2380 seconds (ETC COS72593).									
7	pg1630_g130m5	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2288.0; FP-POS=1; FLASH=YES			3049.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2288 seconds (ETC COS72594).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
*** VISIBILITY OVERRUN = 34
Exp. 6
Occultation
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1500
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3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 34
Exp. 7
Horns
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 29, scheduling Thu Oct 07 01:04:52 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 29) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 29) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 29) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 29) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 29) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

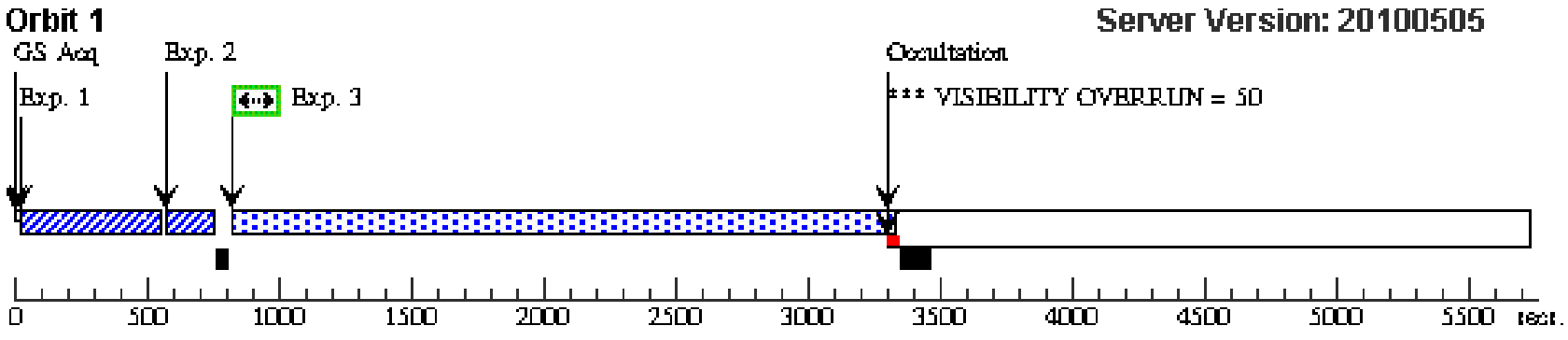
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	PG-1630+377	RA: 16 32 1.1200 (248.0046667d)	Redshift: 1.471	V=16.07+/-0.1	Reference Frame: ICRS
	Alt Name1: N63C002076	Dec: +37 37 50.00 (37.63056d)		Flambda(1350 A) = 5.5e-15	
	Alt Name2: SDSS163201.11+373750.0	Equinox: J2000			

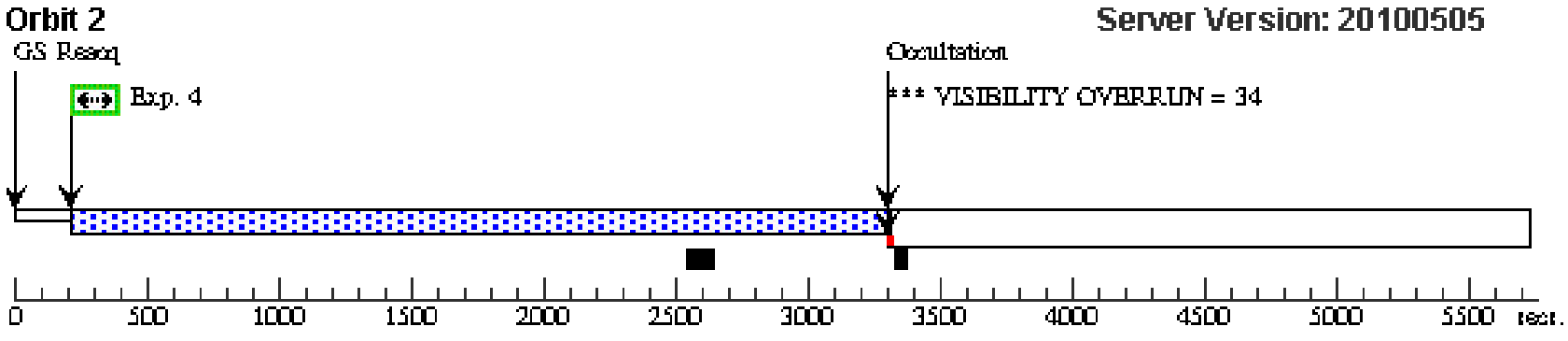
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

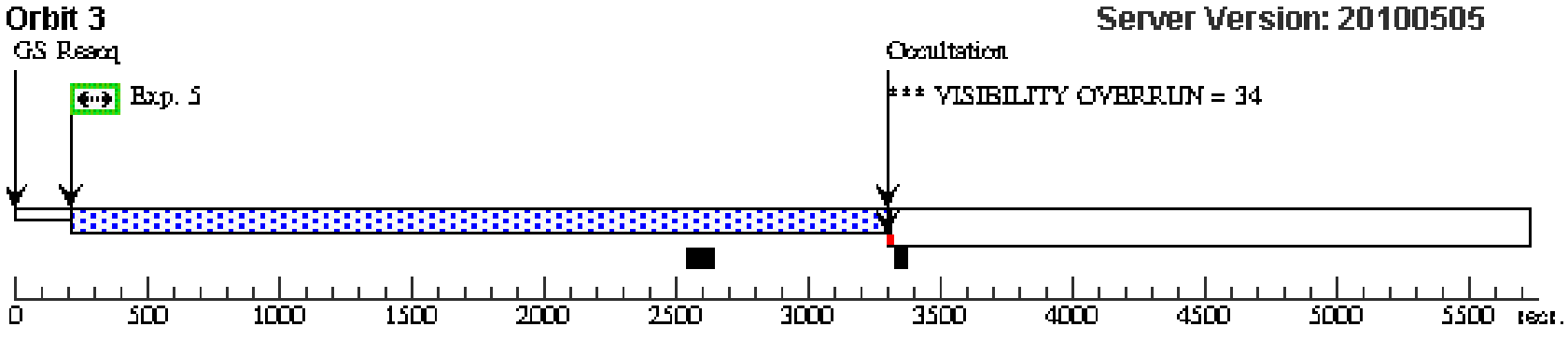
Exposures

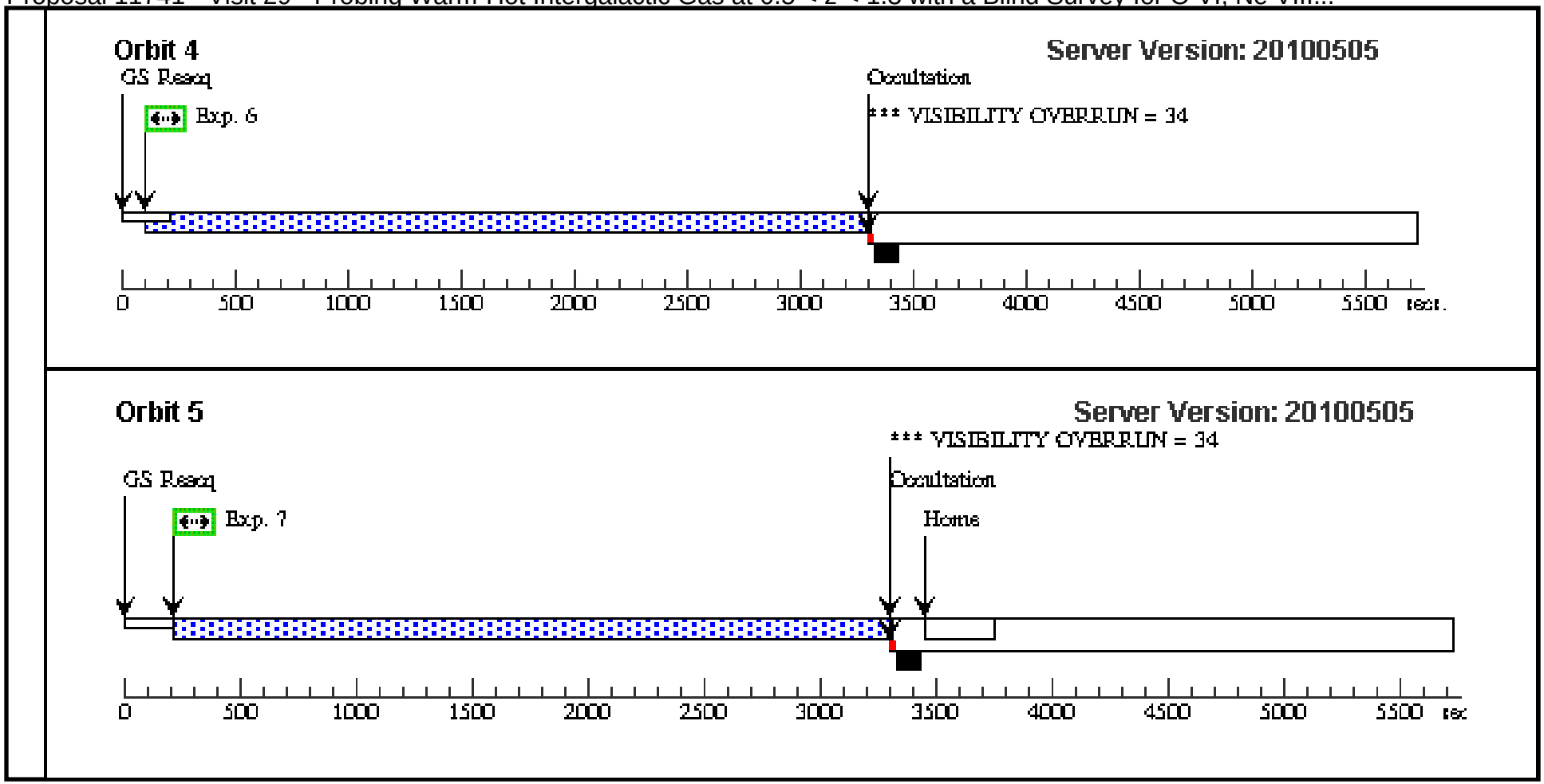
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1630_acq search	(8) PG-1630+377	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			20.7 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1984), FOS (1995), and STIS (2001). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70617.									
2	pg1630_acqi mage	(8) PG-1630+377	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20.7 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1984), FOS (1995), and STIS (2001). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70617.									
3	pg1630_g130m6	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2288.0; FP-POS=2; FLASH=YES			2349.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2288 seconds (ETC COS72594).									
4	pg1630_g130m7	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2288.0; FP-POS=3; FLASH=YES			3049.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2288 seconds (ETC COS72594).									
5	pg1630_g130m8	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2288.0; FP-POS=4; FLASH=YES			3049.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2288 seconds (ETC COS72594).									
6	pg1630_g160m9	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3049.0; FP-POS=1; FLASH=YES			3049.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 5879 seconds (ETC COS72596).									
7	pg1630_g160m10	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3049.0; FP-POS=3; FLASH=YES			3049.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 5879 seconds (ETC COS72596).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 6
Occultation
*** VISIBILITY OVERRUN = 34
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1000
1500
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2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
*** VISIBILITY OVERRUN = 34
GS Reacq
Exp. 7
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 31 Thu Oct 07 01:04:53 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: copy of visit 29, lost due to spacecraft problems

Diagnostics

(Visit 31) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 31) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 31) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 31) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 31) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

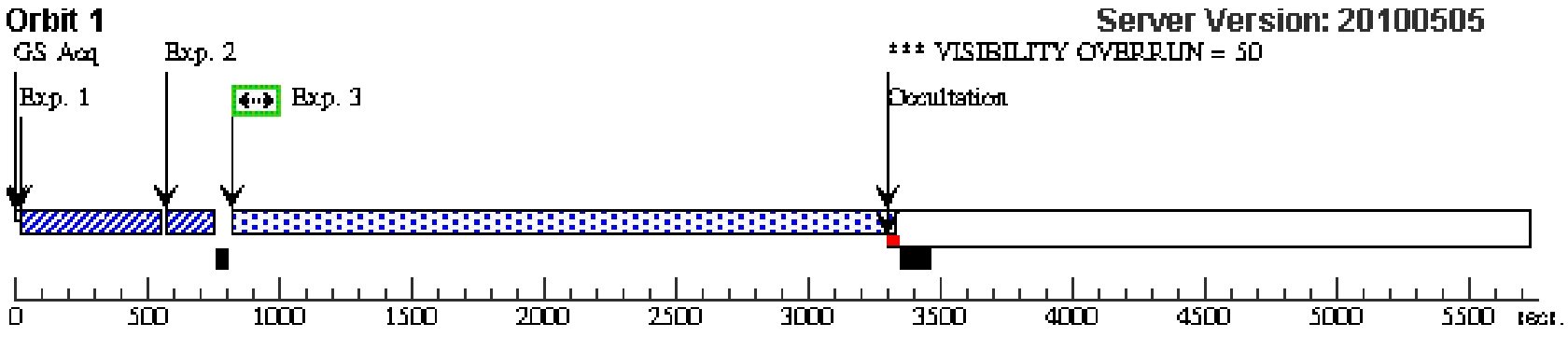
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	PG-1630+377	RA: 16 32 1.1200 (248.0046667d)	Redshift: 1.471	V=16.07+/-0.1	Reference Frame: ICRS
	Alt Name1: N63C002076	Dec: +37 37 50.00 (37.63056d)		Flambda(1350 A) = 5.5e-15	
	Alt Name2: SDSS163201.11+373750.0	Equinox: J2000			

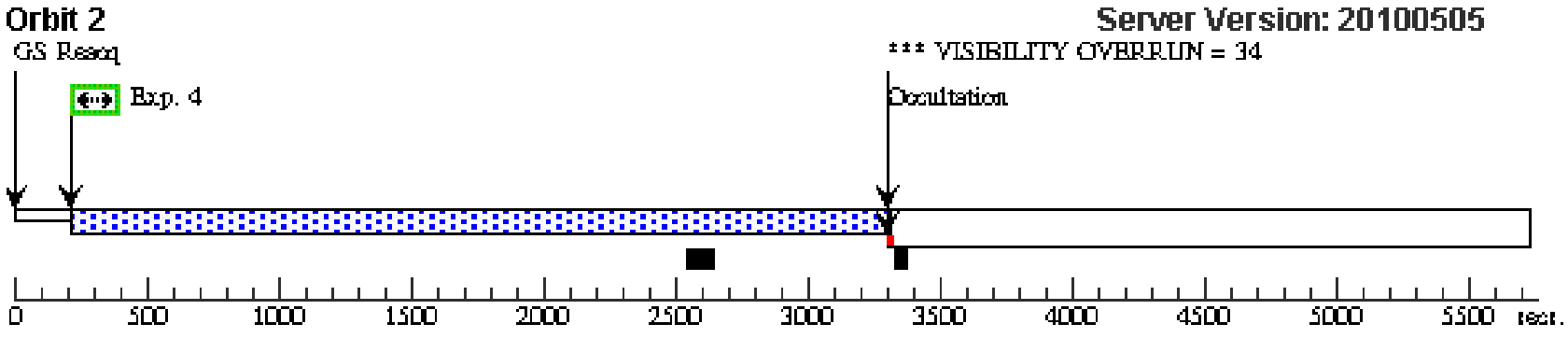
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

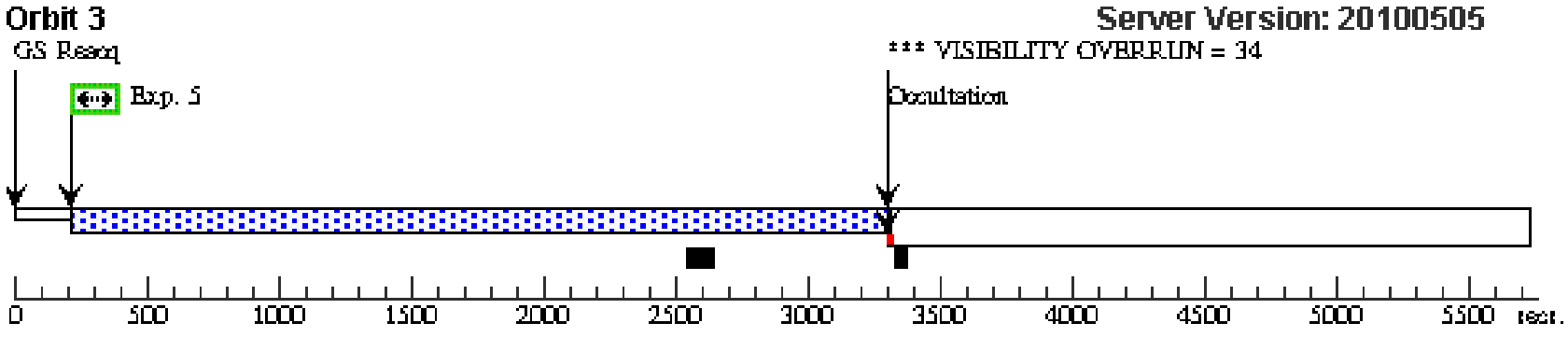
Exposures

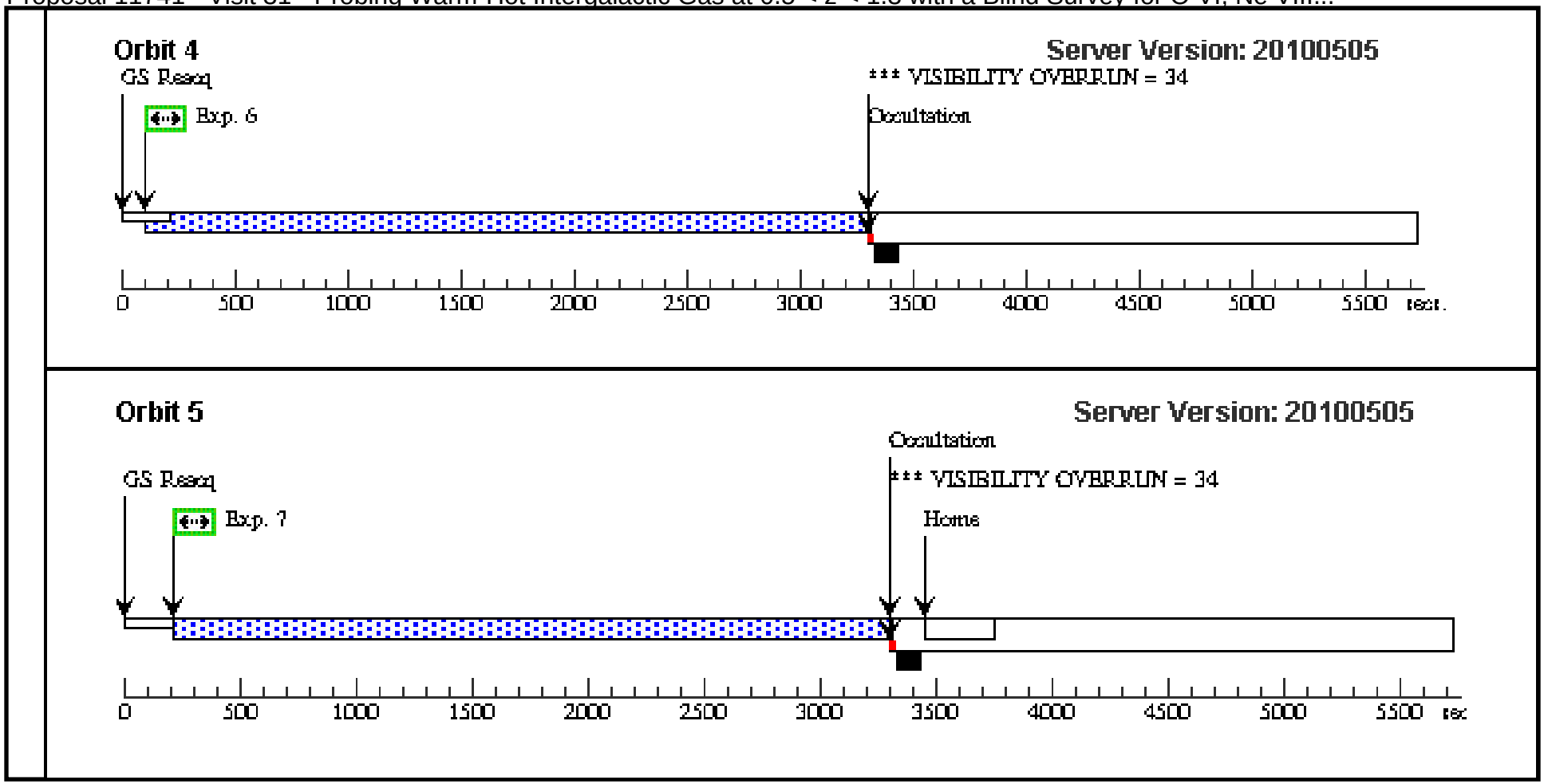
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1630_acq search	(8) PG-1630+377	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			20.7 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1984), FOS (1995), and STIS (2001). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70617.									
2	pg1630_acqi mage	(8) PG-1630+377	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20.7 Secs *[==>]*	***[1]***
Comments: Target observed in NUV with IUE (1984), FOS (1995), and STIS (2001). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70617.									
3	pg1630_g130m6	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2288.0; FP-POS=2; FLASH=YES			2349.0 Secs *[==>]*	***[1]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2288 seconds (ETC COS72594).									
4	pg1630_g130m7	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2288.0; FP-POS=3; FLASH=YES			3049.0 Secs *[==>]*	***[2]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2288 seconds (ETC COS72594).									
5	pg1630_g130m8	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2288.0; FP-POS=4; FLASH=YES			3049.0 Secs *[==>]*	***[3]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G130M = 2288 seconds (ETC COS72594).									
6	pg1630_g160m9	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3049.0; FP-POS=1; FLASH=YES			3049.0 Secs *[==>]*	***[4]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 5879 seconds (ETC COS72596).									
7	pg1630_g160m10	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3049.0; FP-POS=3; FLASH=YES			3049.0 Secs *[==>]*	***[5]***
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 5879 seconds (ETC COS72596).									

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
*** VISIBILITY OVERRUN = 34
Exp. 6
Occultation
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1500
2000
2500
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3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
*** VISIBILITY OVERRUN = 34
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11741, Visit 30, completed Thu Oct 07 01:04:54 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 30) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 30) Warning (Orbit Planner): VISIBILITY OVERRUN

(Visit 30) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	PG-1630+377	RA: 16 32 1.1200 (248.0046667d)	Redshift: 1.471	V=16.07+/-0.1	Reference Frame: ICRS
	Alt Name1: N63C002076	Dec: +37 37 50.00 (37.63056d)		Flambda(1350 A) = 5.5e-15	
	Alt Name2: SDSS163201.11+373750.0	Equinox: J2000			

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	pg1630_acq search	(8) PG-1630+377	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767			20.7 Secs *[==>]*	*[1]*
Comments: Target observed in NUV with IUE (1984), FOS (1995), and STIS (2001). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70617.									
2	pg1630_acqimage	(8) PG-1630+377	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20.7 Secs *[==>]*	*[1]*
Comments: Target observed in NUV with IUE (1984), FOS (1995), and STIS (2001). Flux for exposure time based on faintest flux (at 2000 A) from these observations. ETC exposure time calculation = COS70617.									
3	pg1630_g160m11	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2304.0; FP-POS=4; FLASH=YES			2304.0 Secs *[==>]*	*[1]*
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 5879 seconds (ETC COS72596).									
4	pg1630_g160m12	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3049.0; FP-POS=1; FLASH=YES			3049.0 Secs *[==>]*	*[2]*
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6254 seconds (ETC COS72597).									
5	pg1630_g160m13	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1426.0; FP-POS=3; FLASH=YES			1426.0 Secs *[==>1426.0 Secs]*	*[3]*
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6254 seconds (ETC COS72597).									
6	pg1630_g160m14	(8) PG-1630+377	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1426.0; FP-POS=4; FLASH=YES			1426.0 Secs *[==>1426.0 Secs]*	*[3]*
Comments: Target observed in FUV with IUE (1988) and GHRS (1994 and 1995). Flux for buffer-time calculation based on brightest FUV flux from these observations. True buffer time (2/3 of value given by ETC) for G160M = 6254 seconds (ETC COS72597).									

Orbit Structure