13481 - Calibrating Multi-Wavelength Metallicity Diagnostics for Star-Forming Galaxies

Cycle: 21, Proposal Category: SNAP

(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) IC-1586	COS/FUV COS/NUV	1	01-Oct-2013 21:14:02.0	yes
02	(2) MRK-360	COS/FUV	1	01-Oct-2013 21:14:12.0	yes
03	(3) MRK-364	COS/FUV COS/NUV	1	01-Oct-2013 21:14:19.0	yes
04	(4) MRK-589	COS/FUV	1	01-Oct-2013 21:14:25.0	yes
05	(5) UGCA-116	COS/FUV COS/NUV	1	01-Oct-2013 21:14:31.0	yes
06	(6) MRK-5	COS/FUV	1	01-Oct-2013 21:14:38.0	yes
07	(7) NGC-2415	COS/FUV	1	01-Oct-2013 21:14:46.0	yes
08	(8) MRK-390	COS/FUV	1	01-Oct-2013 21:14:53.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
09	(9) MRK-105	COS/FUV COS/NUV	1	01-Oct-2013 21:14:59.0	yes
10	(10) MRK-402	COS/FUV COS/NUV	1	01-Oct-2013 21:15:04.0	yes
11	(11) 2MASX-J10151467+2106337	COS/FUV	1	01-Oct-2013 21:15:09.0	yes
12	(12) MRK-33	COS/FUV COS/NUV	1	01-Oct-2013 21:15:15.0	yes
13	(13) NGC-3353	COS/FUV	1	01-Oct-2013 21:15:22.0	yes
14	(14) MRK-727	COS/FUV COS/NUV	1	01-Oct-2013 21:15:28.0	yes
15	(15) MRK-36	COS/FUV COS/NUV	1	01-Oct-2013 21:15:35.0	yes
16	(16) MRK-215	COS/FUV	1	01-Oct-2013 21:15:41.0	yes
17	(17) IC-3730	COS/FUV	1	01-Oct-2013 21:15:47.0	yes
18	(18) MCG+05-30-081	COS/FUV	1	01-Oct-2013 21:15:54.0	yes
19	(19) MRK-444	COS/FUV COS/NUV	1	01-Oct-2013 21:16:00.0	yes
20	(20) MRK-57	COS/FUV	1	01-Oct-2013 21:16:06.0	yes
21	(21) MRK-235	COS/FUV COS/NUV	1	01-Oct-2013 21:16:12.0	yes
22	(22) MRK-241	COS/FUV	1	01-Oct-2013 21:16:18.0	yes
23	(23) 2MASX-J13135774+3518527	COS/FUV COS/NUV	1	01-Oct-2013 21:16:23.0	yes
24	(24) MCG+04-33-036	COS/FUV COS/NUV	1	01-Oct-2013 21:16:28.0	yes
25	(25) MRK-829	COS/FUV COS/NUV	1	01-Oct-2013 21:16:35.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
26	(26) MRK-1499	COS/FUV COS/NUV	1	01-Oct-2013 21:16:41.0	yes
27	(27) 2MASX-J17402482+4743586	COS/FUV	1	01-Oct-2013 21:16:47.0	yes
28	(28) LEDA-68454	COS/FUV	1	01-Oct-2013 21:16:53.0	yes
29	(29) UGC-12011	COS/FUV COS/NUV	1	01-Oct-2013 21:17:00.0	yes
30	(30) NGC-7673	COS/FUV	1	01-Oct-2013 21:17:07.0	yes
31	(31) NAME-BARBONS-GALAXY	COS/FUV	1	01-Oct-2013 21:17:14.0	yes

31 Total Orbits Used

ABSTRACT

We propose to obtain low-resolution COS-FUV spectra of a sample of nearby star-forming galaxies with existing rest-frame optical spectroscopy. By combining optical and UV observations of these galaxies, we will be able to directly compare previously-determined metallicities from optical emission line diagnostics with those determined from newly-observed photospheric and stellar wind lines in the UV, including the abundance-sensitive 1425A and 1978A photospheric blends. While each of these metallicity diagnostics has been individually examined and calibrated, there is currently no quantitative conversion relating diagnostics between the optical and UV regimes. These observations will offer the first empirical sample that can be used, in conjunction with stellar population synthesis and photoionization models, to develop a self-consistent multi-wavelength baseline for unifying metallicity measurements in star-forming galaxies spanning a broad range of redshifts. In addition, rest-frame UV galaxy spectra such as these will be exceptionally important in the coming decade as the Extremely Large Telescopes come online. At the higher redshifts made reachable from the ground by these facilities, the UV regime will become the "new" rest-frame for ground-based extragalactic astronomy, demanding a thorough understanding of UV spectra and diagnostics.

OBSERVING DESCRIPTION

We propose to observe a sample of blue compact galaxies (BCGs) with COS using the G140L grating, acquiring rest-frame UV spectra that can be used to develop and test calibrations between UV and optical ISM diagnostics. Our target list consists of 31 BCGs with existing rest-frame optical data (Kong et al. 2002, Kong & Cheng 2002) and ISM properties de termined from optical diagnostics by Levesque et al. (2010b). The galaxies'

redshifts span $0.003 < z < 0.029$ (median $z = 0.016$); their B magnitudes span $12.5 < B < 17$ (median $B = 15.2$). These objects are within the bright object safety limits of COS.

The key UV diagnostic emission features of interest range in wavelength from the Lyman alpha feature at 1215A to the photospheric blend at 1978A, corresponding to a wavelength range of 1216A-2035A for our sample's redshift range of $0.003 < z < 0.029$. Because of the breadth of the features utilized in the UV metallicity diagnostics, a low resolution of $R \sim 2{,}000$ is sufficient for our work, even when considering the extended geometry of our hosts; BCGs are dominated by their central clusters and thus appear close to point-like, yielding only minimal loss of resolution in COS observations. The low-resolution FUV G140L grating at a central wavelength of 1105A covers the full wavelength of these diagnostic features.

We elect to use COS rather than STIS for these observations because of the much greater sensitivity and corresponding shorter exposure times, which maximize the efficiency of the observations. To obtain a S/N of 15 (required to confidently detect some of the weaker intercombination diagnostic emission lines), our average integration time is 12.5 minutes for each target. The target acquisition procedure for these sources will be short and well-suited for our observational goals; COS will center on the brightest regions of the BCGs, their nuclei, thus sampling the same region of the galaxies as the Kong et al. (2002) optical spectra. Including overheads for guide star acquisition, target acquisition, and instrument set-up, our average visit duration is ~28 minutes. Our target list is also well-distributed on the sky, spanning the full range of RA. These observations are therefore ideally suited for a SNAP program, as even partial completion of the target list would prove valuable to our larger scientific goals.

Visit

Proposal 13481, IC-1586 (01), implementation Wed Oct 02 01:17:24 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: III Zw 12, z=0.019, B=15.0

Diagnostics

(IC-1586 (01)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

Fixed Targets

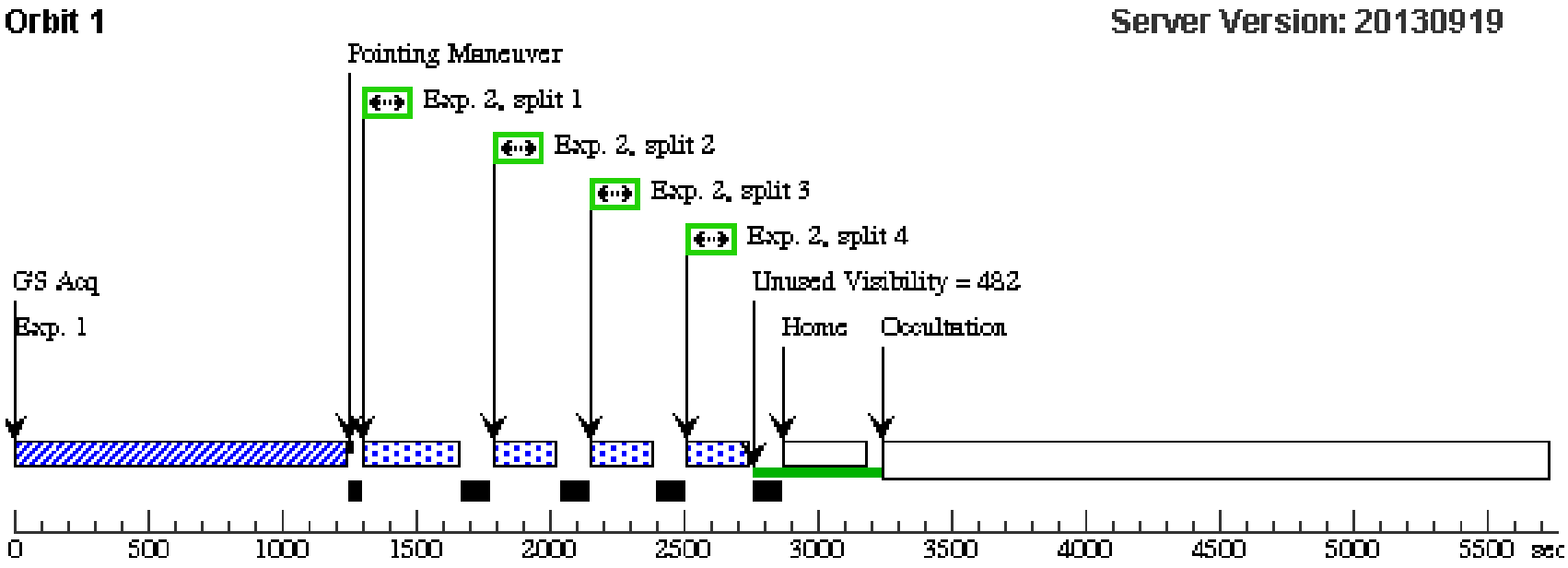
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	IC-1586	RA: 00 47 56.3310 (11.9847125d) Dec: +22 22 22.40 (22.37289d) Equinox: J2000		V=15+/-0.5 B=15.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	IC-1586 Acquisition (COS.ta.523178)	(1) IC-1586	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				402 Secs (402 Secs) *[==>]*	***[1]***
2	IC-1586 Science (COS.sp.521323)	(1) IC-1586	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=180			180 Secs (720 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Orbit Structure



Visit

Proposal 13481, Mrk-360 (02), implementation Wed Oct 02 01:17:26 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: III Zw 33, z=0.028, B=14.7

Diagnostics

(Mrk-360 (02)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

Fixed Targets

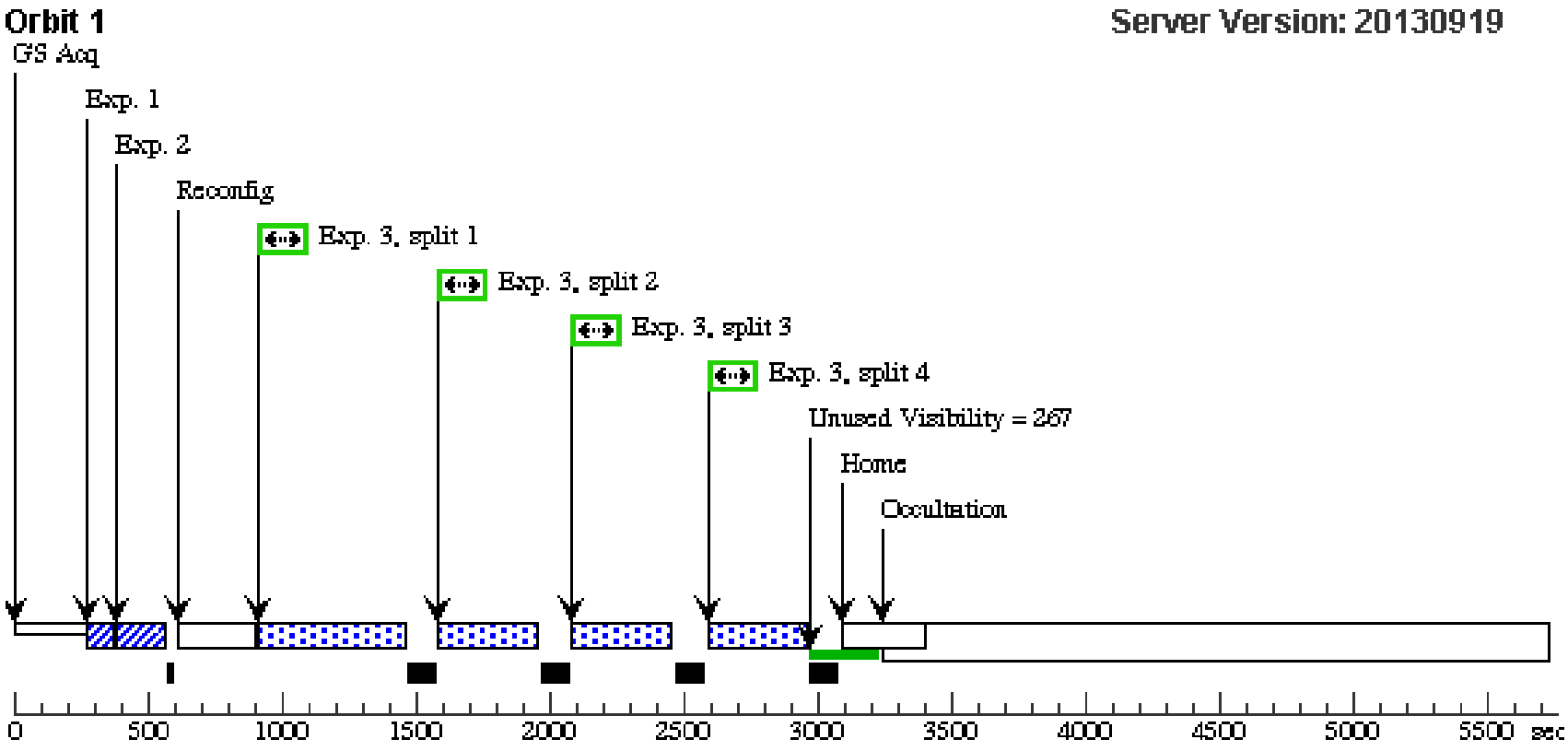
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	MRK-360	RA: 01 43 56.5660 (25.9856917d) Dec: +17 03 43.40 (17.06206d) Equinox: J2000		V=14.7+/-0.5 B=14.7	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-360 PEAKXD Acquisition (COS.sa.523714)	(2) MRK-360	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				5 Secs (5 Secs) *[==>]*	*[1]*
2	Mrk-360 PEAKD Acquisition (COS.sa.523714)	(2) MRK-360	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-WT-FLR; SEGMENT=BOTH			5 Secs (5 Secs) *[==>]*	*[1]*
3	Mrk-360 Science (COS.sp.521611)	(2) MRK-360	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=320			320 Secs (1280 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13481, Mrk-364 (03), implementation Wed Oct 02 01:17:27 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: V Zw 155, z=0.029, B=15.2

Diagnostics

(Mrk-364 (03)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

(Mrk-364 (03)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

Fixed Targets

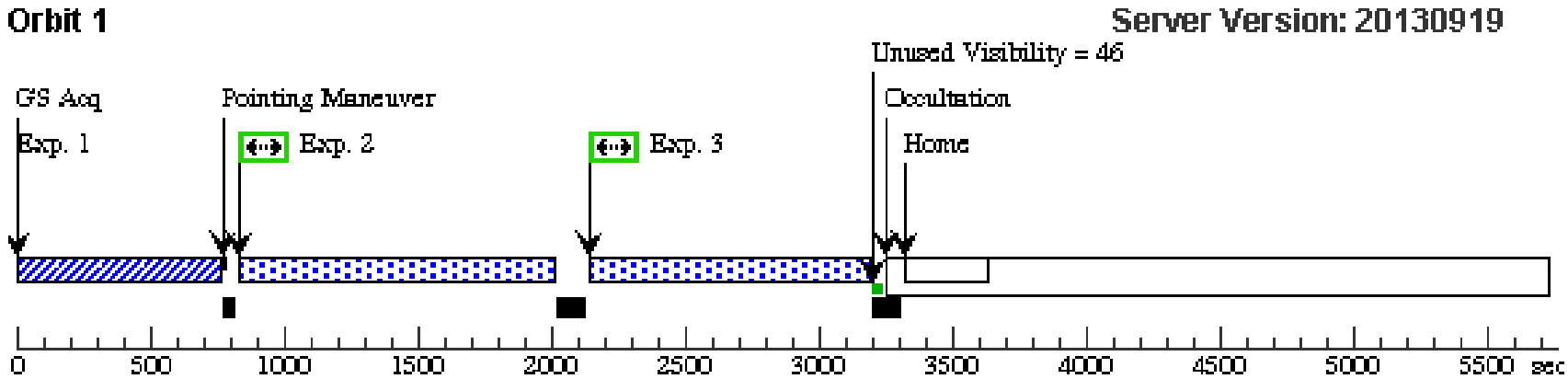
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	MRK-364	RA: 01 57 49.4170 (29.4559042d) Dec: +27 51 56.10 (27.86558d) Equinox: J2000		V=15.2+/-0.5 B=15.2	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-364 Acquisition (COS.ta.521582)	(3) MRK-364	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				180 Secs (180 Secs) *[==>]*	*[1]*
2	Mrk-364 Science (COS.sp.521814)	(3) MRK-364	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=1000			1000 Secs (1000 Secs) *[==>]*	*[1]*
3	Mrk-364 Science (COS.sp.521814)	(3) MRK-364	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=1000			1000 Secs (1000 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 13481, Mrk-589 (04), implementation Wed Oct 02 01:17:28 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: III Zw 43, z=0.014, B=14.3

Diagnostics

(Mrk-589 (04)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

(Mrk-589 (04)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

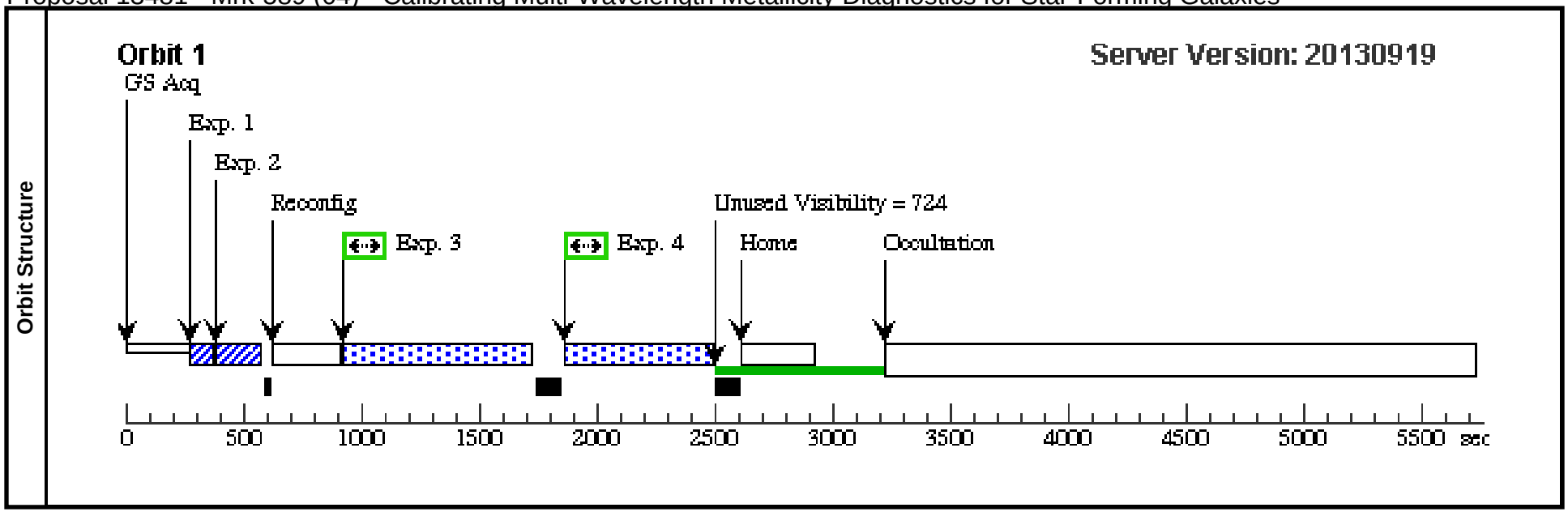
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	MRK-589	RA: 02 13 45.0900 (33.4378750d) Dec: +04 06 7.97 (4.10221d) Equinox: J2000		V=14.3+/-0.5 B=14.3	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-589 PEAKXD Acquisition (COS.sa.523721)	(4) MRK-589	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				8 Secs (8 Secs) *[==>]*	***[1]***
2	Mrk-589 PEAKD Acquisition (COS.sa.523721)	(4) MRK-589	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-WT-FLR; SEGMENT=BOTH			8 Secs (8 Secs) *[==>]*	***[1]***
3	Mrk-589 Science (COS.sp.521613)	(4) MRK-589	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=576; FP-POS=1			576 Secs (576 Secs) *[==>]*	***[1]***
4	Mrk-589 Science (COS.sp.521613)	(4) MRK-589	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=576; FP-POS=3			576 Secs (576 Secs) *[==>]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3
Exp. 4
Unused Visibility = 724
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, UCGA-116 (05), implementation Wed Oct 02 01:17:29 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: II Zw 40, z=0.003, B=14.2

Diagnostics

(UCGA-116 (05)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	UGCA-116	RA: 05 55 42.6500 (88.9277083d) Dec: +03 23 32.33 (3.39231d) Equinox: J2000		V=14.22+/-0.5 B=14.22	Reference Frame: ICRS

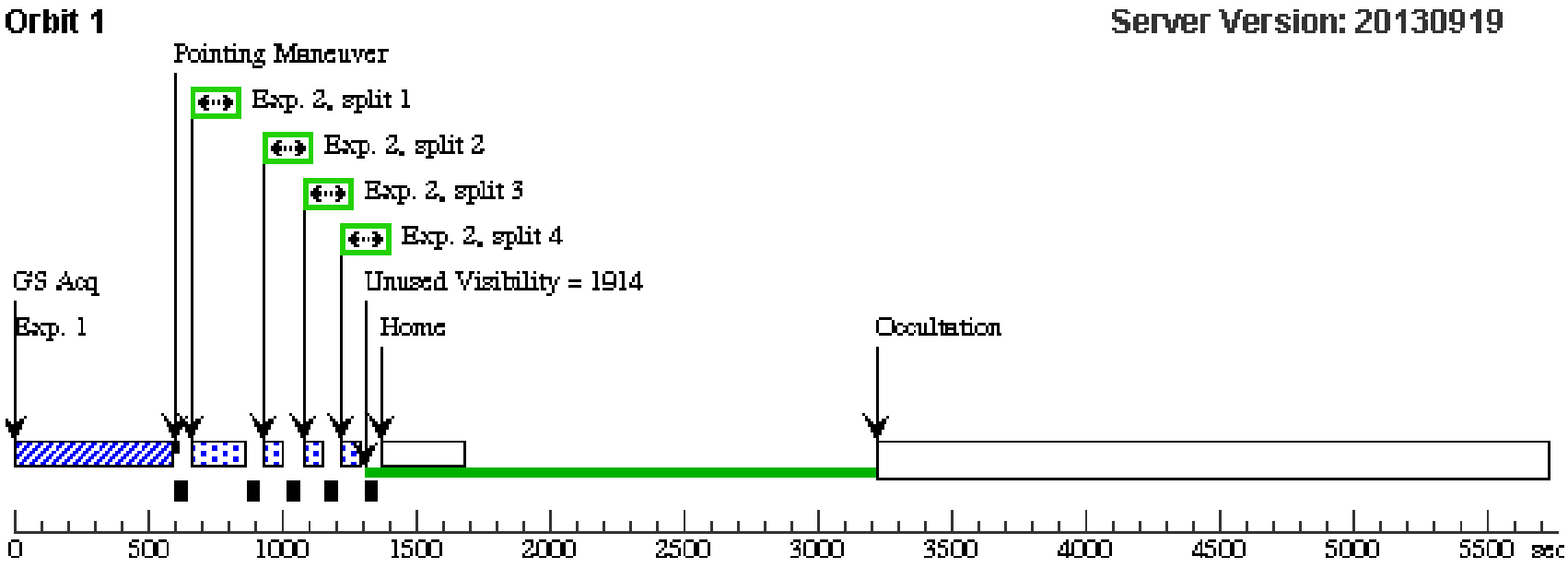
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	UCGA-116 Acquisition (COS.ta.523181)	(5) UGCA-116	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				80 Secs (80 Secs) *[==>]*	***[1]***
2	UCGA-116 Science (COS.sp.521614)	(5) UGCA-116	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=80			22 Secs (88 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Comments: ETC warning is not relevant for this target; it is not an irregularly variable source

Orbit Structure



Visit

Proposal 13481, Mrk-5 (06), implementation Wed Oct 02 01:17:29 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: Mrk 5, z=0.003, B=17.0

Diagnostics

(Mrk-5 (06)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

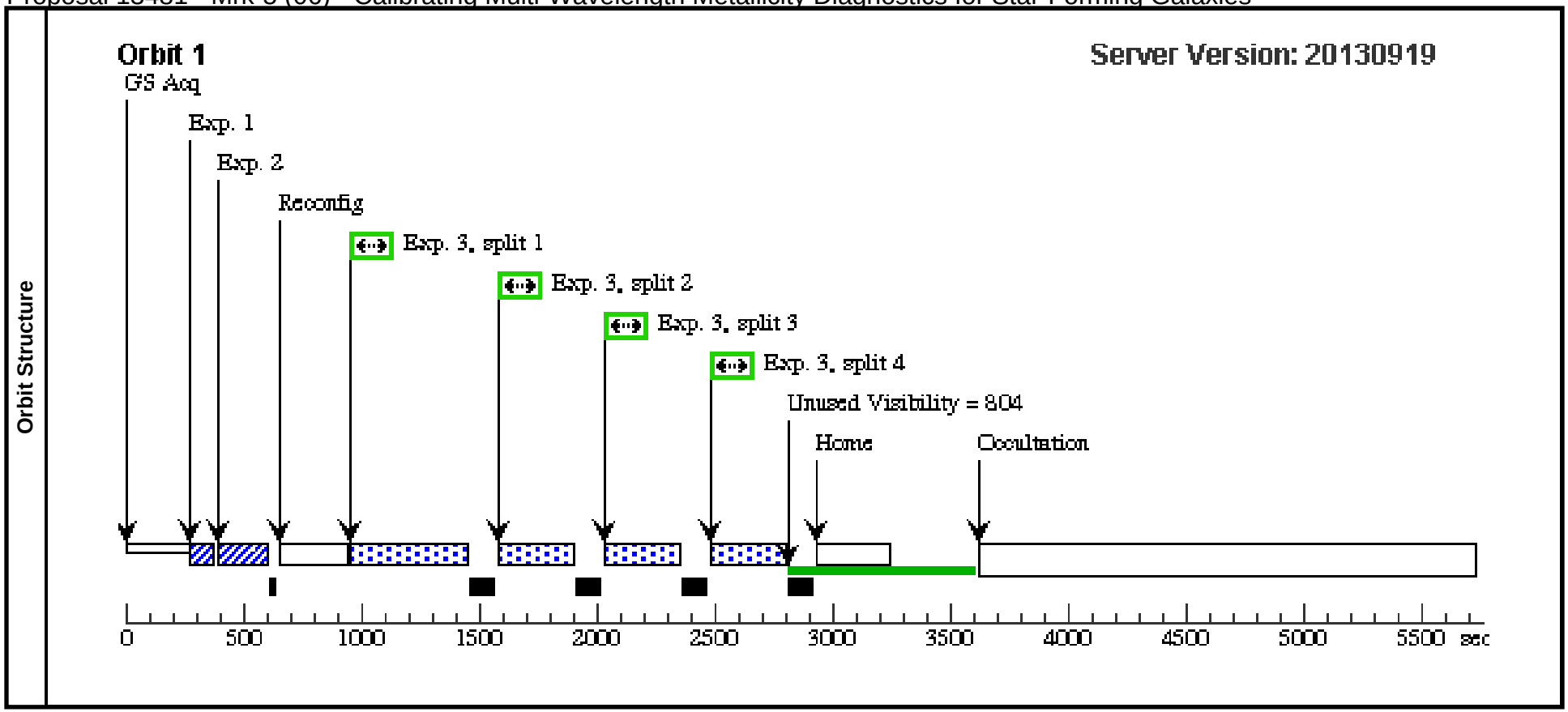
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	MRK-5	RA: 06 42 15.4660 (100.5644417d) Dec: +75 37 30.38 (75.62511d) Equinox: J2000		V=17.0+/-0.5 B=17.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-5 PEAKXD Acquisition (COS.sa.523722)	(6) MRK-5	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				12 Secs (12 Secs) *[==>]*	***[1]***
2	Mrk-5 PEAKD Acquisition (COS.sa.523722)	(6) MRK-5	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-WT-FLR; SEGMENT=BOTH			12 Secs (12 Secs) *[==>]*	***[1]***
3	Mrk-5 Science (COS.sp.521615)	(6) MRK-5	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=2700			270 Secs (1080 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3, split 1
Exp. 3, split 2
Exp. 3, split 3
Exp. 3, split 4
Unused Visibility = 804
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, NGC-2415 (07), implementation Wed Oct 02 01:17:30 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: NGC 2415, z=0.014, B=12.5

Diagnostics

(NGC-2415 (07)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

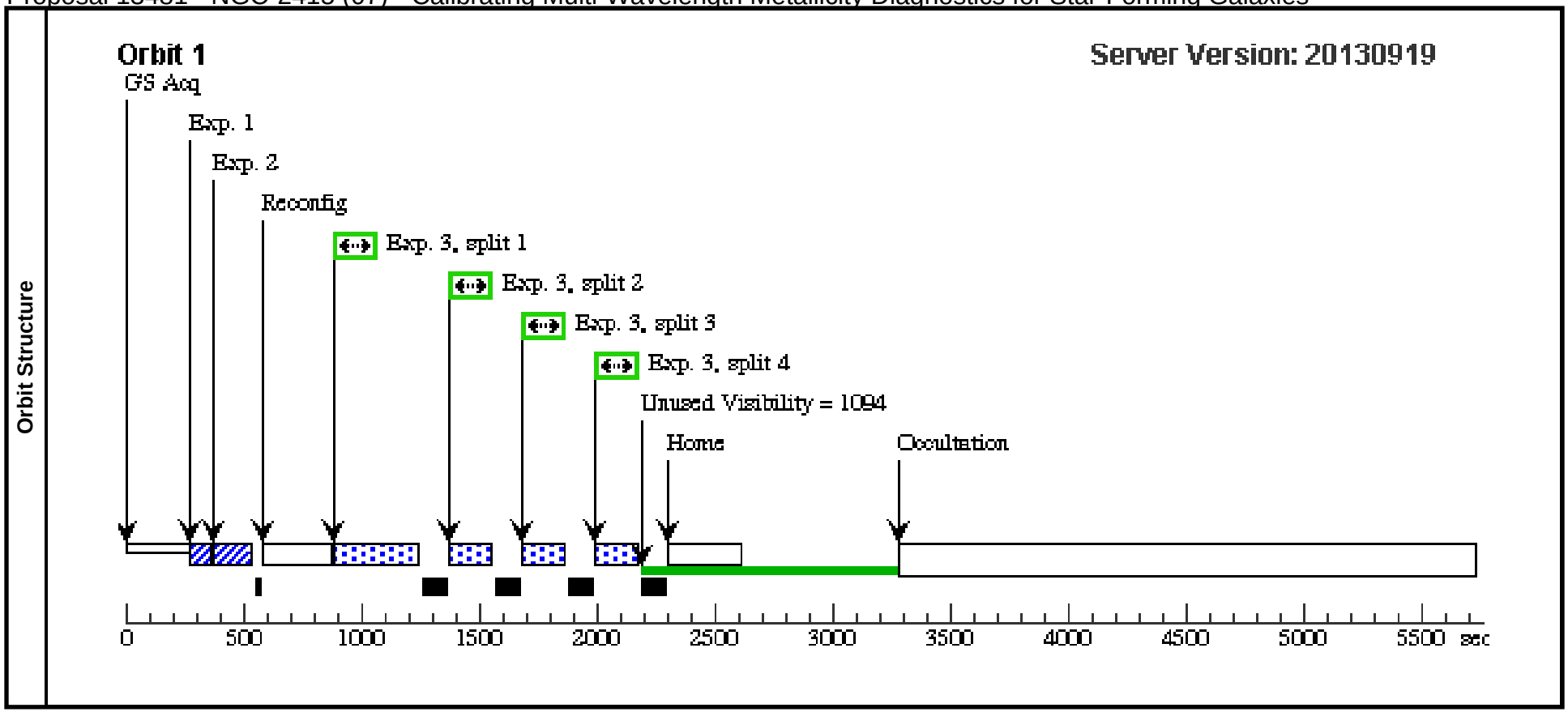
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	NGC-2415	RA: 07 36 56.7730 (114.2365542d) Dec: +35 14 33.11 (35.24253d) Equinox: J2000		V=12.5+/-0.5 B=12.5	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	NGC-2415 PEAKXD Acquisition (COS.sa.523718)	(7) NGC-2415	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				1 Secs (1 Secs) *[==>]*	*[1]*
2	NGC-2415 PEAKD Acquisition (COS.sa.523718)	(7) NGC-2415	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			1 Secs (1 Secs) *[==>]*	*[1]*
3	NGC-2415 Science (COS.sp.521616)	(7) NGC-2415	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=130			130 Secs (520 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3, split 1
Exp. 3, split 2
Exp. 3, split 3
Exp. 3, split 4
Unused Visibility = 1094
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-390 (08), implementation Wed Oct 02 01:17:31 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: Mrk 390, z=0.025, B=15.0

Diagnostics

(Mrk-390 (08)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

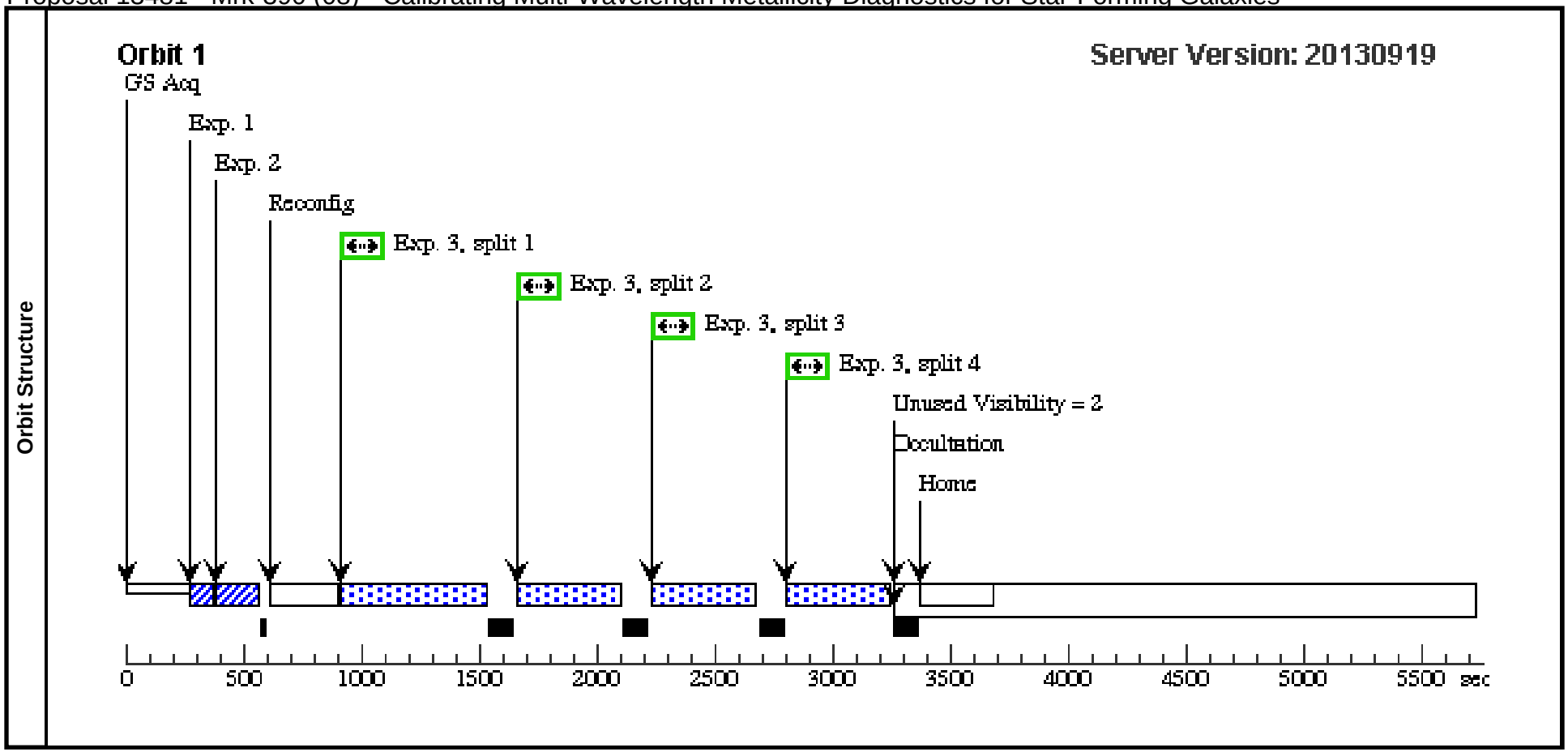
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	MRK-390	RA: 08 35 33.0530 (128.8877208d) Dec: +30 32 2.19 (30.53394d) Equinox: J2000		V=15.0+/-0.5 B=15.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-390 PEAKXD Acquisition (COS.sa.523723)	(8) MRK-390	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				5 Secs (5 Secs) *[==>]*	***[1]***
2	Mrk-390 PEAKD Acquisition (COS.sa.523723)	(8) MRK-390	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-WT-FLR; SEGMENT=BOTH			5 Secs (5 Secs) *[==>]*	***[1]***
3	Mrk-390 Science (COS.sp.523743)	(8) MRK-390	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=399			392 Secs (1568 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3, split 1
Exp. 3, split 2
Exp. 3, split 3
Exp. 3, split 4
Unused Visibility = 2
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-105 (09), implementation Wed Oct 02 01:17:31 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: Mrk 105, z=0.013, B=16.0

Diagnostics

(Mrk-105 (09)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

(Mrk-105 (09)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

Fixed Targets

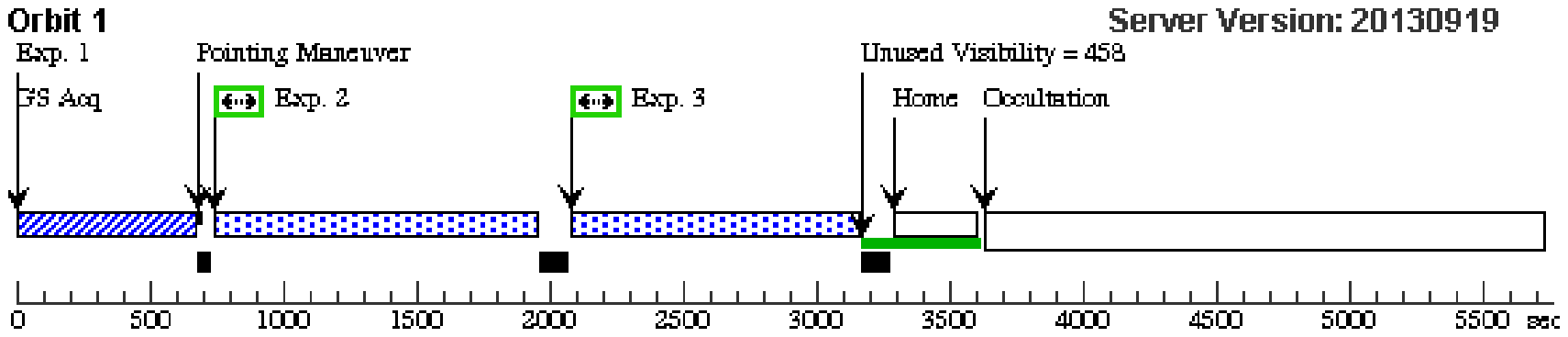
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	MRK-105	RA: 09 20 26.4230 (140.1100958d) Dec: +71 24 15.70 (71.40436d) Equinox: J2000		V=16.0+/-0.5 B=16.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-105 Acquisition (COS.ta.521588)	(9) MRK-105	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				135 Secs (135 Secs) *[==>]*	*[1]*
2	Mrk-105 Science (COS.sp.521618)	(9) MRK-105	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=1030			1030 Secs (1030 Secs) *[==>]*	*[1]*
3	Mrk-105 Science (COS.sp.521618)	(9) MRK-105	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=1030			1030 Secs (1030 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 13481, Mrk-402 (10), implementation Wed Oct 02 01:17:32 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: Mrk 402, z=0.024, B=16.0

Diagnostics

(Mrk-402 (10)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

(Mrk-402 (10)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

Fixed Targets

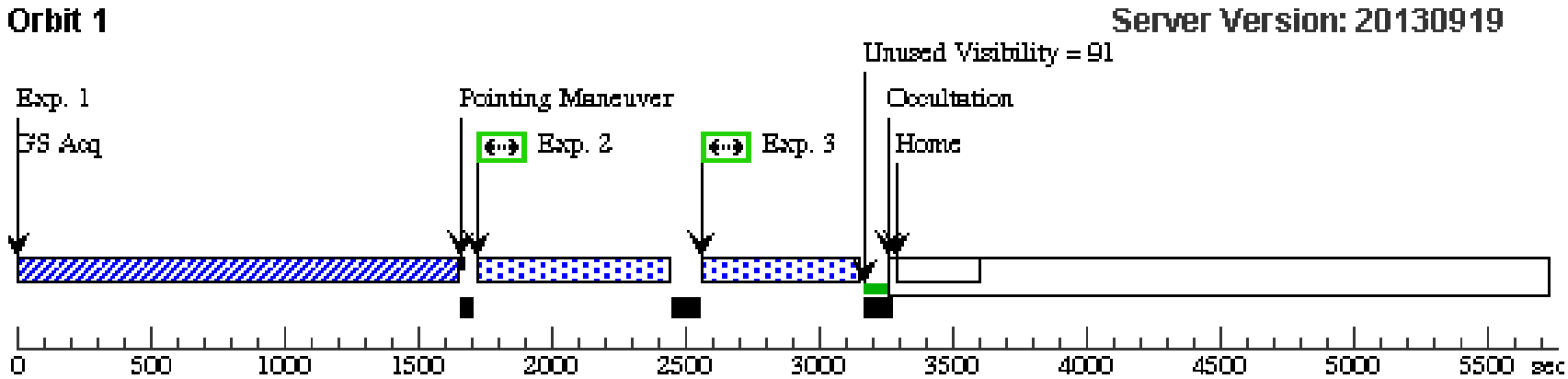
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	MRK-402	RA: 09 35 19.1510 (143.8297958d) Dec: +30 24 31.99 (30.40889d) Equinox: J2000		V=16.0+/-0.5 B=16.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-402 Acquisition (COS.ta.523185)	(10) MRK-402	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				610 Secs (610 Secs) *[==>]*	*[1]*
2	Mrk-402 Science (COS.sp.521619)	(10) MRK-402	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=540			540 Secs (540 Secs) *[==>]*	*[1]*
3	Mrk-402 Science (COS.sp.521619)	(10) MRK-402	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=540			540 Secs (540 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 13481, 2MASX-J10151467+2106337 (11), implementation Wed Oct 02 01:17:33 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: II Zw 41, z=0.021, B=15.8

Diagnostics

(2MASX-J10151467+2106337 (11)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

(2MASX-J10151467+2106337 (11)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

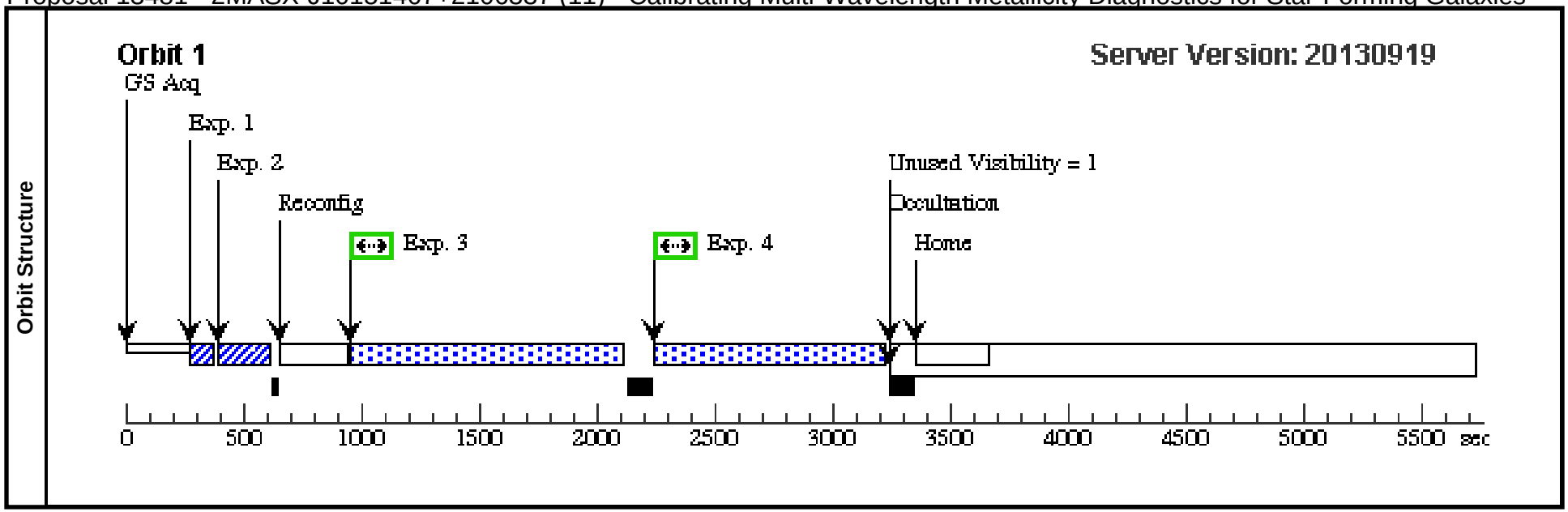
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	2MASX-J10151467+2106337	RA: 10 15 14.6500 (153.8110417d) Dec: +21 06 33.84 (21.10940d) Equinox: J2000		V=15.8+/-0.5 B=15.8	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASX-J10151467+2106337 PEAKXD Acquisition (COS.sa.523724)	(11) 2MASX-J10151467+2106337	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				13 Secs (13 Secs) *[==>]*	***[1]***
2	2MASX-J10151467+2106337 PEAKD Acquisition (COS.sa.523724)	(11) 2MASX-J10151467+2106337	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-WT-FLR; SEGMENT=BOTH			13 Secs (13 Secs) *[==>]*	***[1]***
3	2MASX-J10151467+2106337 Science (COS.sp.523741)	(11) 2MASX-J10151467+2106337	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=930			930 Secs (930 Secs) *[==>]*	***[1]***
4	2MASX-J10151467+2106337 Science (COS.sp.523741)	(11) 2MASX-J10151467+2106337	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=930			930 Secs (930 Secs) *[==>]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3
Exp. 4
Unused Visibility = 1
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-33 (12), implementation Wed Oct 02 01:17:33 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: Mrk-33, z=0.005, B=13.7

Diagnostics

(Mrk-33 (12)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

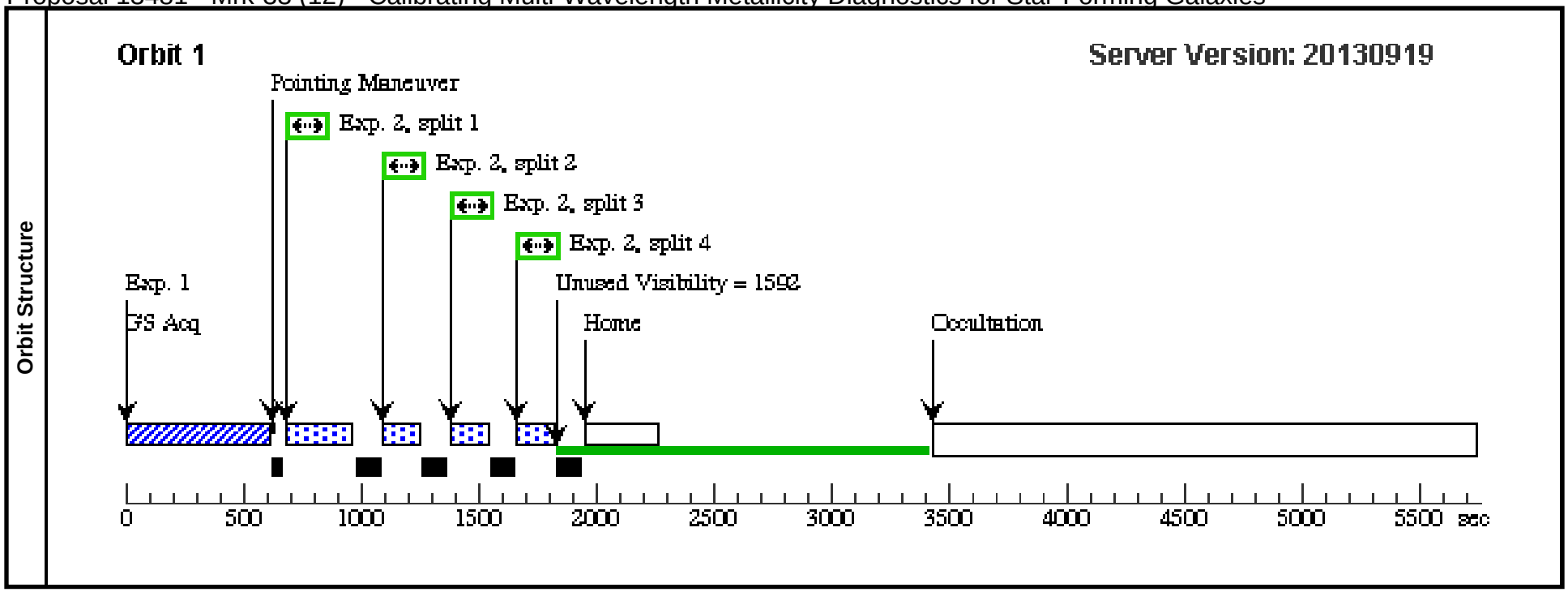
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	MRK-33	RA: 10 32 31.8800 (158.1328333d) Dec: +54 24 3.96 (54.40110d) Equinox: J2000		V=13.7+/-0.5 B=13.7	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-33 Acquisition (COS.ta.523187)	(12) MRK-33	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				90 Secs (90 Secs) *[==>]*	*[1]*
2	Mrk-33 Science (COS.sp.521621)	(12) MRK-33	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=105			105 Secs (420 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20130919
Pointing Maneuver
Exp. 2, split 1
Exp. 2, split 2
Exp. 2, split 3
Exp. 2, split 4
Exp. 1
FGS Acq
Unused Visibility = 1592
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, NGC-3353 (13), implementation Wed Oct 02 01:17:34 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: Mrk 35, z=0.003, B=13.3

Diagnostics

(NGC-3353 (13)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

Fixed Targets

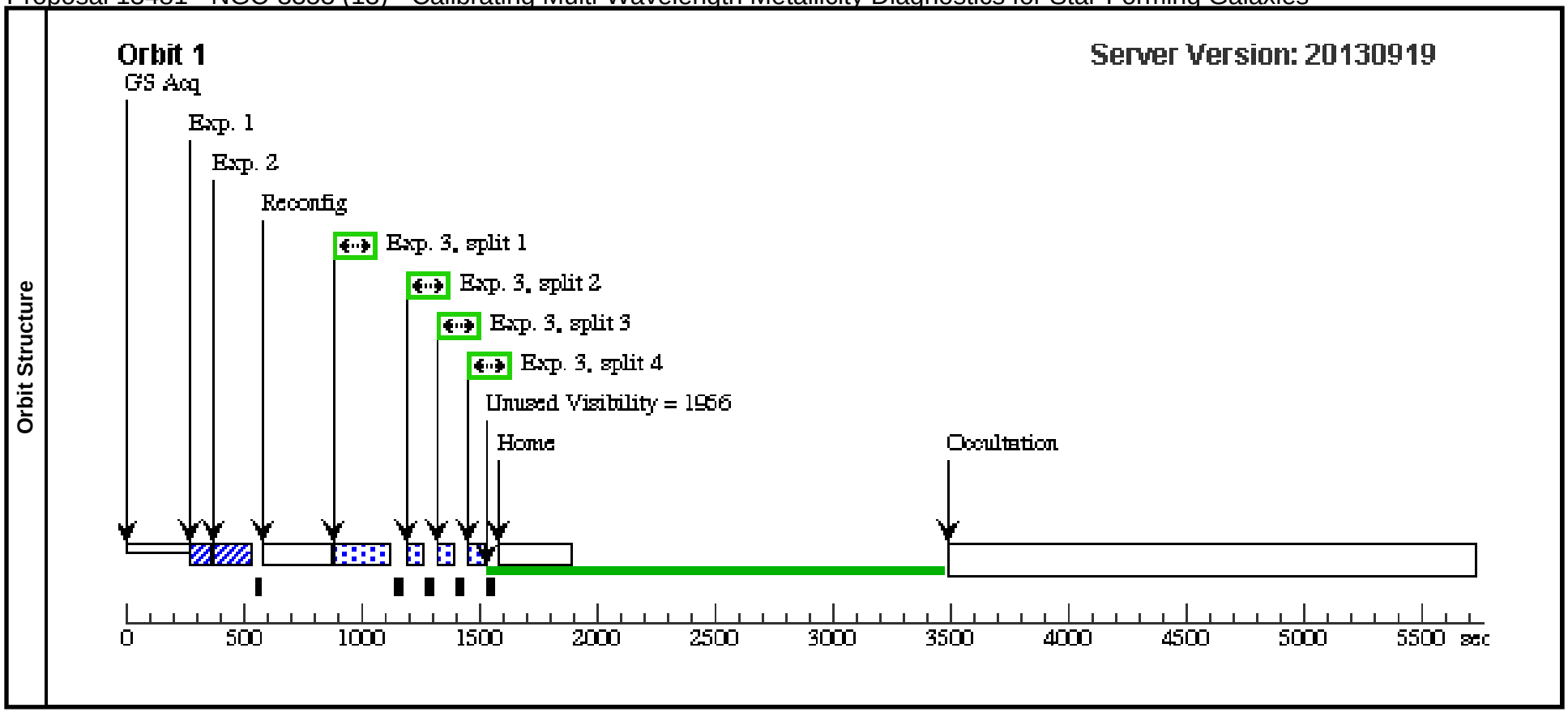
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	NGC-3353	RA: 10 45 22.2340 (161.3426417d) Dec: +55 57 36.40 (55.96011d) Equinox: J2000		V=13.3+/-0.5 B=13.3	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	NGC-3353 PEAKXD Acquisition (COS.sa.523719)	(13) NGC-3353	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				1 Secs (1 Secs) *[==>]*	*[1]*
2	NGC-3353 PEAKD Acquisition (COS.sa.523719)	(13) NGC-3353	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			1 Secs (1 Secs) *[==>]*	*[1]*
3	NGC-3353 Science (COS.sp.521622)	(13) NGC-3353	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=80			15 Secs (60 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Comments: ETC warning is not relevant for this target; it is not an irregularly variable source


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3, split 1
Exp. 3, split 2
Exp. 3, split 3
Exp. 3, split 4
Unused Visibility = 1966
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-727 (14), implementation Wed Oct 02 01:17:34 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: Mrk 727, z=0.026, B=15.0

Diagnostics

(Mrk-727 (14)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

Fixed Targets

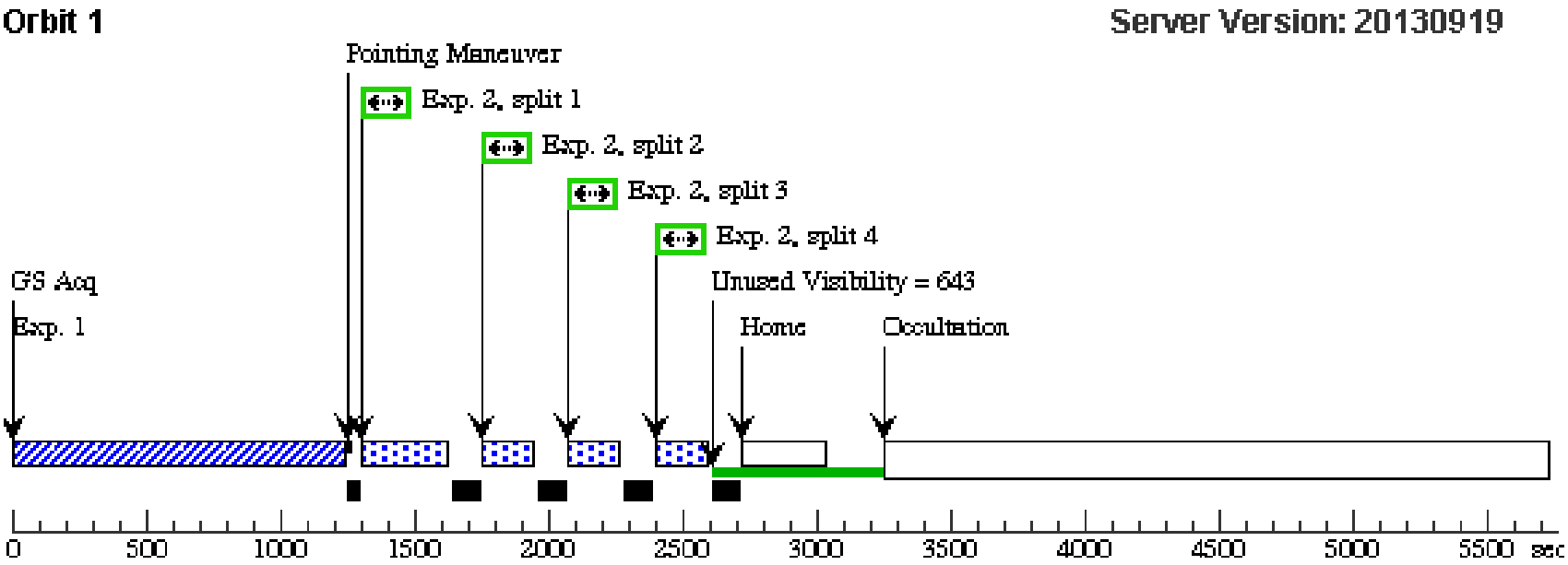
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	MRK-727	RA: 10 48 44.1500 (162.1839583d) Dec: +26 03 13.25 (26.05368d) Equinox: J2000		V=15.0+/-0.5 B=15.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-727 Acquisition (COS.ta.523189)	(14) MRK-727	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				402 Secs (402 Secs) *[==>]*	*[1]*
2	Mrk-727 Science (COS.sp.521636)	(14) MRK-727	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=142			142 Secs (568 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*

Orbit Structure



Visit

Proposal 13481, Mrk-36 (15), implementation Wed Oct 02 01:17:35 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: Mrk 36, z=0.003, B=15.5

Diagnostics

(Mrk-36 (15)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

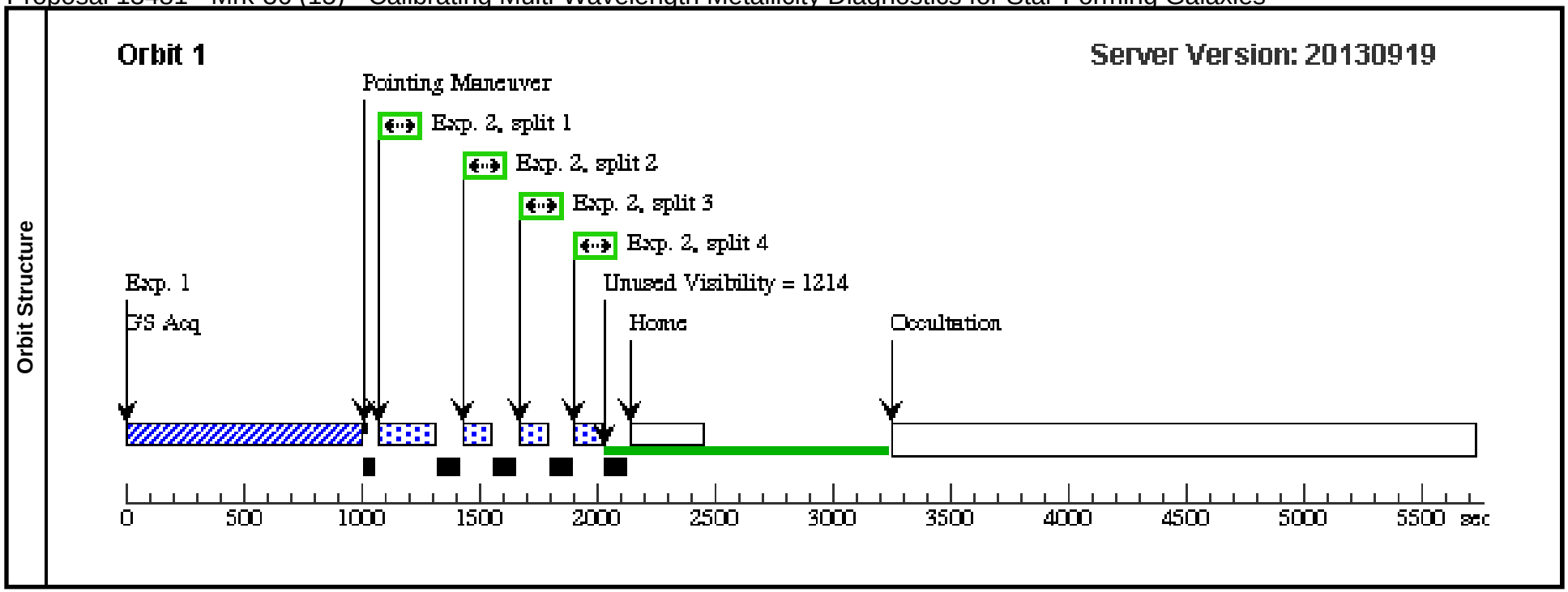
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	MRK-36	RA: 11 04 58.4760 (166.2436500d) Dec: +29 08 15.61 (29.13767d) Equinox: J2000		V=15.5+/-0.5 B=15.5	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-36 Acquisition (COS.ta.523190)	(15) MRK-36	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				284 Secs (284 Secs) *[==>]*	*[1]*
2	Mrk-36 Science (COS.sp.521637)	(15) MRK-36	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=80			65 Secs (260 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20130919
Pointing Maneuver
Exp. 2, split 1
Exp. 2, split 2
Exp. 2, split 3
Exp. 2, split 4
Exp. 1
FGS Acq
Unused Visibility = 1214
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-215 (16), implementation Wed Oct 02 01:17:35 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: Mrk 215, z=0.020, B=14.5

Diagnostics

(Mrk-215 (16)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

(Mrk-215 (16)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

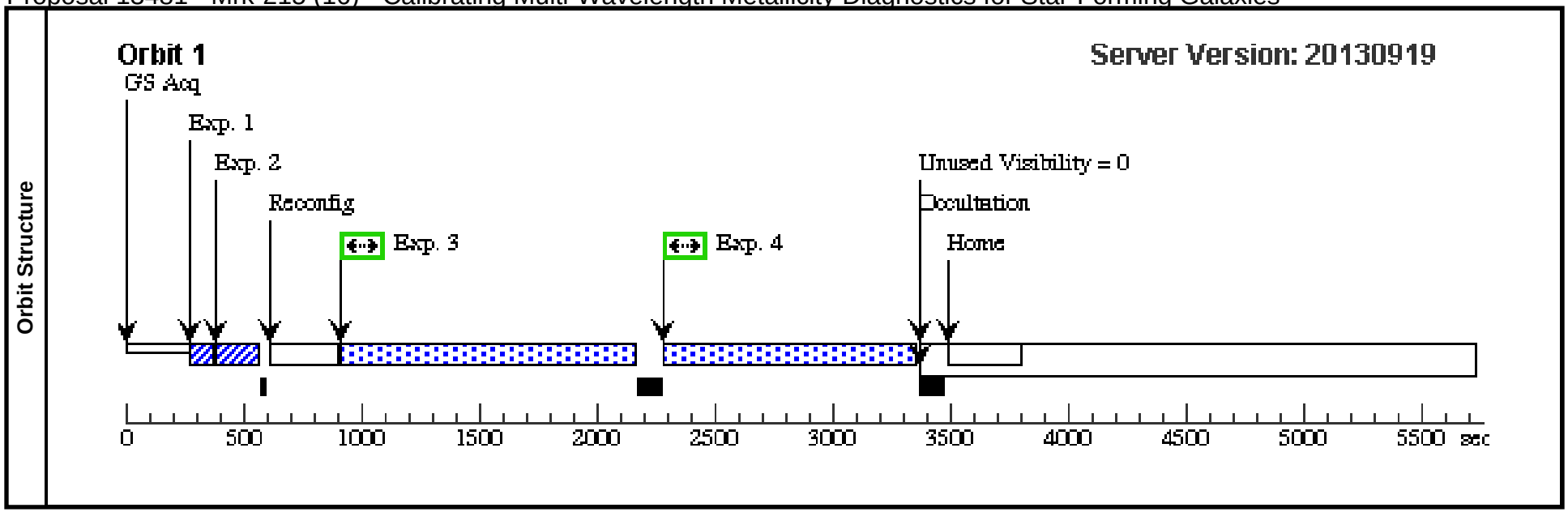
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	MRK-215	RA: 12 32 34.7480 (188.1447833d) Dec: +45 46 2.61 (45.76739d) Equinox: J2000		V=14.5+/-0.5 B=14.5	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-215 PEAKXD Acquisition (COS.sa.523725)	(16) MRK-215	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				5 Secs (5 Secs) *[==>]*	***[1]***
2	Mrk-215 PEAKD Acquisition (COS.sa.523725)	(16) MRK-215	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	NUM-POS=5; CENTER=FLUX-WT-FLR; SEGMENT=BOTH; STEP-SIZE=0.9			5 Secs (5 Secs) *[==>]*	***[1]***
3	Mrk-215 Science (COS.sp.523742)	(16) MRK-215	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=1021			1021 Secs (1021 Secs) *[==>]*	***[1]***
4	Mrk-215 Science (COS.sp.523742)	(16) MRK-215	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=1021			1021 Secs (1021 Secs) *[==>]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3
Exp. 4
Unused Visibility = 0
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, IC-3730 (17), implementation Wed Oct 02 01:17:36 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: Ark 386, z=0.023, B=15.3

Diagnostics

(IC-3730 (17)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

(IC-3730 (17)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

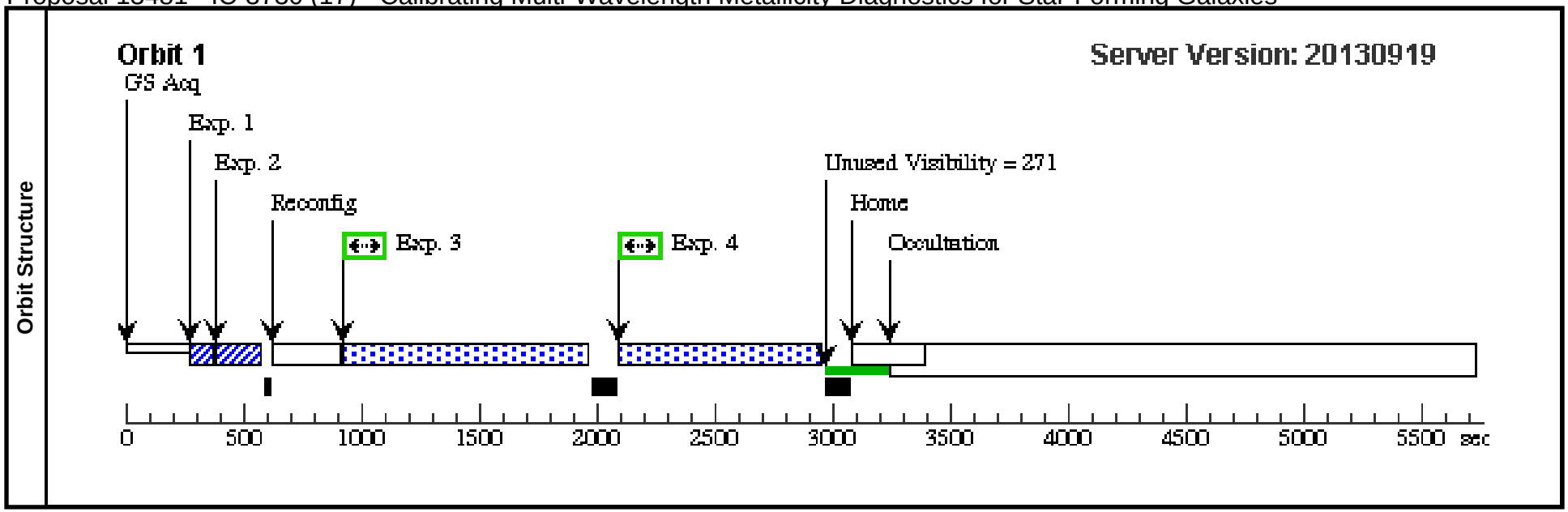
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(17)	IC-3730	RA: 12 45 6.6230 (191.2775958d) Dec: +21 10 10.00 (21.16944d) Equinox: J2000		V=15.3+/-0.5 B=15.3	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	IC-3730 PEAKXD Acquisition (COS.a.523726)	(17) IC-3730	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				8 Secs (8 Secs) *[==>]*	 ***[1]***
2	IC-3730 PEAKD Acquisition (COS.a.523726)	(17) IC-3730	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			8 Secs (8 Secs) *[==>]*	 ***[1]***
3	IC-3730 Science (COS.sp.521639)	(17) IC-3730	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=810			810 Secs (810 Secs) *[==>]*	 ***[1]***
4	IC-3730 Science (COS.sp.521639)	(17) IC-3730	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=810			810 Secs (810 Secs) *[==>]*	 ***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3
Exp. 4
Unused Visibility = 271
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, MGC+50-30-081 (18), implementation Wed Oct 02 01:17:36 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: PGC 43139, z=0.026, B=16.0

Diagnostics

(MGC+50-30-081 (18)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

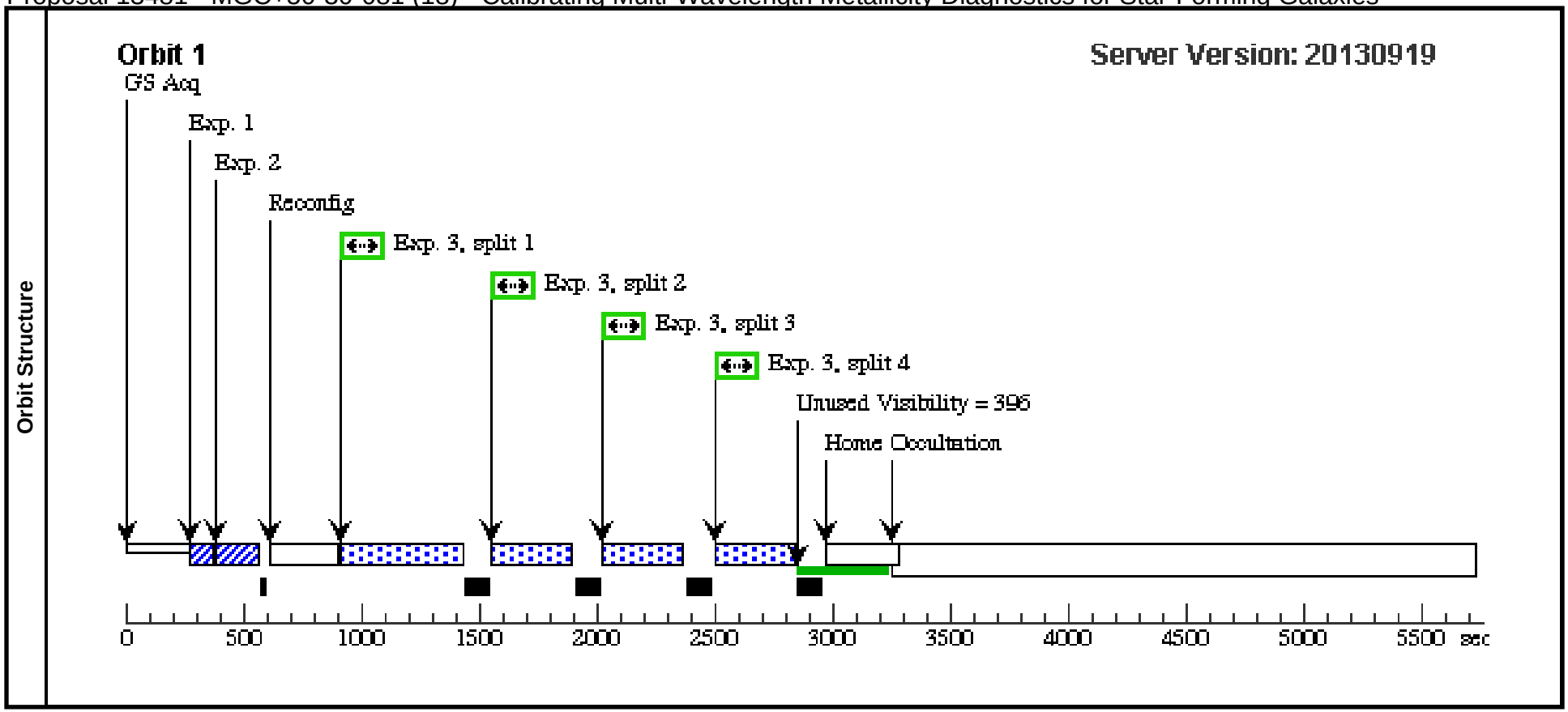
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)	MCG+05-30-081	RA: 12 47 8.3990 (191.7849958d) Dec: +27 47 35.91 (27.79331d) Equinox: J2000		V=16.0+/-0.5 B=16.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	MGC+50-30-081 PEAKXD Acquisition (COS.SA.523731)	(18) MCG+05-30-08 1	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				5 Secs (5 Secs) *[==>]*	***[1]***
2	MGC+50-30-081 PEAKD Acquisition (COS.SA.523731)	(18) MCG+05-30-08 1	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			5 Secs (5 Secs) *[==>]*	***[1]***
3	MGC+50-30-081 Science (COS.sp.521640)	(18) MCG+05-30-08 1	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=290			290 Secs (1160 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3, split 1
Exp. 3, split 2
Exp. 3, split 3
Exp. 3, split 4
Unused Visibility = 396
Home Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-444 (19), implementation Wed Oct 02 01:17:37 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: Mrk 444, z=0.014, B=15.5

Diagnostics

(Mrk-444 (19)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

Fixed Targets

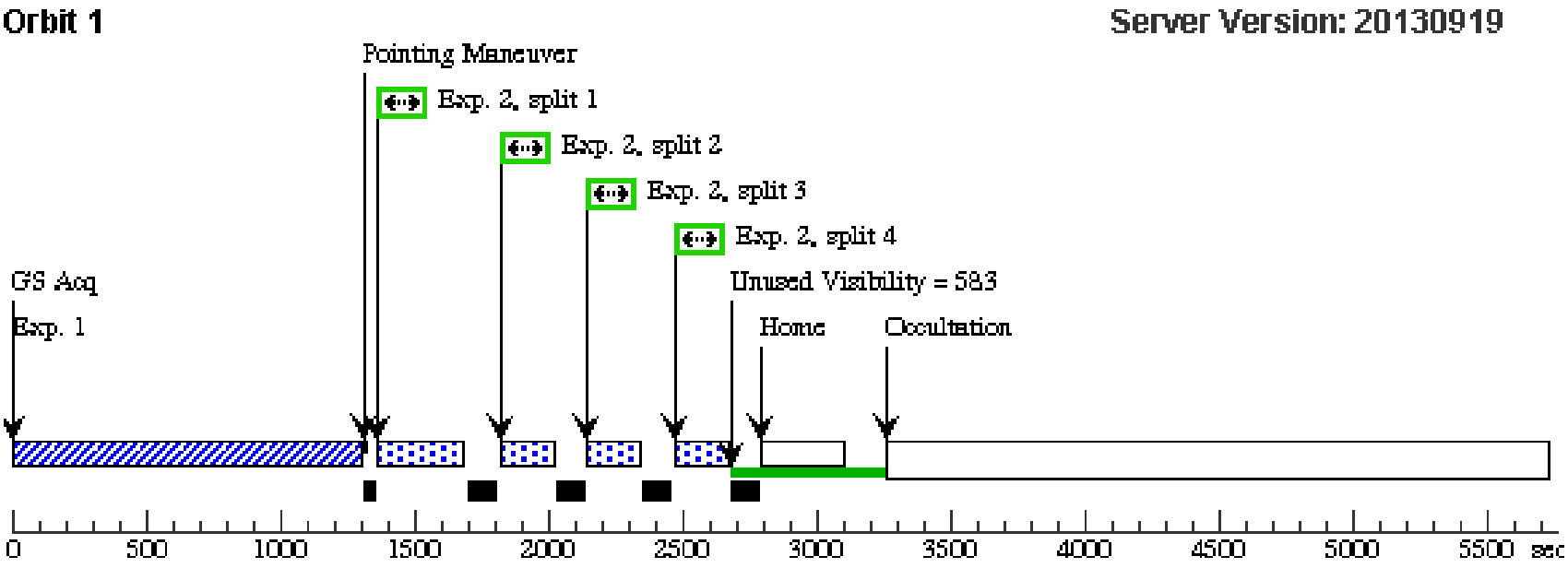
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(19)	MRK-444	RA: 12 48 41.0350 (192.1709792d) Dec: +34 28 38.96 (34.47749d) Equinox: J2000		V=15.5+/-0.5 B=15.5	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-444 Acquisition (COS.ta.523193)	(19) MRK-444	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				433 Secs (433 Secs) *[==>]*	 ***[1]***
2	Mrk-444 Science (COS.sp.521641)	(19) MRK-444	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=145			145 Secs (580 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	 ***[1]***

Orbit Structure



Visit

Proposal 13481, Mrk-57 (20), implementation Wed Oct 02 01:17:38 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: Mrk 57, z=0.026, B=15.9

Diagnostics

(Mrk-57 (20)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

(Mrk-57 (20)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

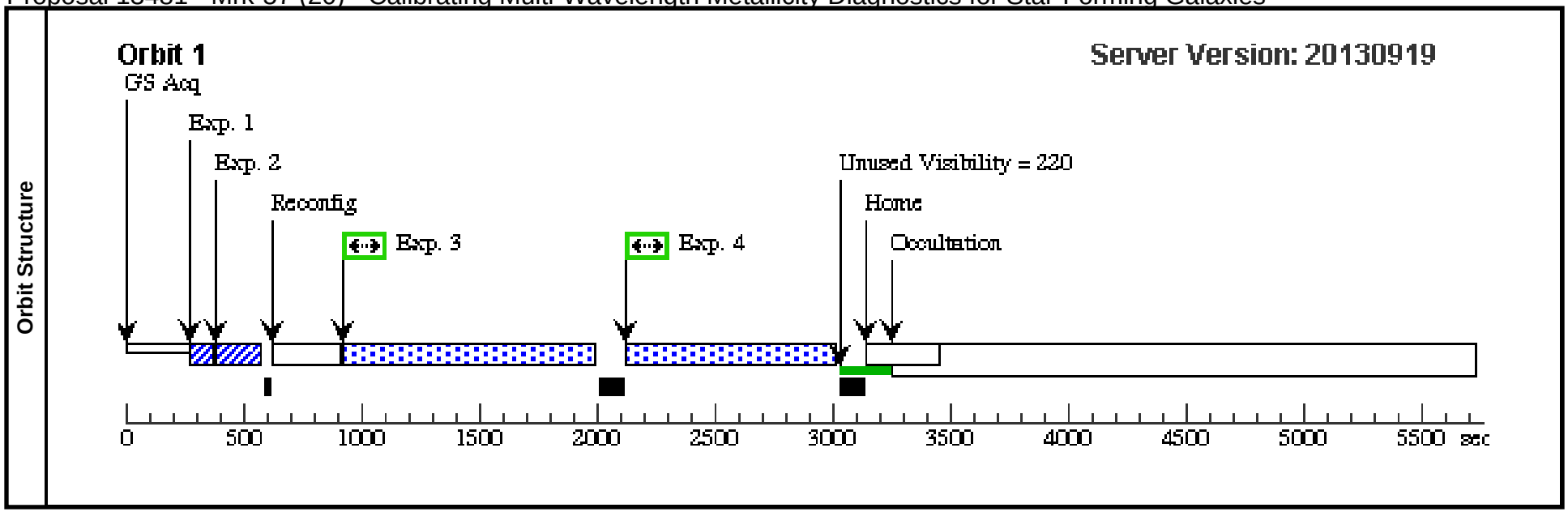
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(20)	MRK-57	RA: 12 58 37.2910 (194.6553792d) Dec: +27 10 35.49 (27.17652d) Equinox: J2000		V=15.9+/-0.5 B=15.9	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-57 PEAKXD Acquisition (COS.sa.523727)	(20) MRK-57	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				8 Secs (8 Secs) *[==>]*	 ***[1]***
2	Mrk-57 PEAKD Acquisition (COS.sa.523727)	(20) MRK-57	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			8 Secs (8 Secs) *[==>]*	 ***[1]***
3	Mrk-57 Science (COS.sp.521642)	(20) MRK-57	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=840			840 Secs (840 Secs) *[==>]*	 ***[1]***
4	Mrk-57 Science (COS.sp.521642)	(20) MRK-57	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=840			840 Secs (840 Secs) *[==>]*	 ***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3
Exp. 4
Unused Visibility = 220
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-235 (21), implementation Wed Oct 02 01:17:38 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: Mrk 235, z=0.024, B=15.0

Diagnostics

(Mrk-235 (21)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

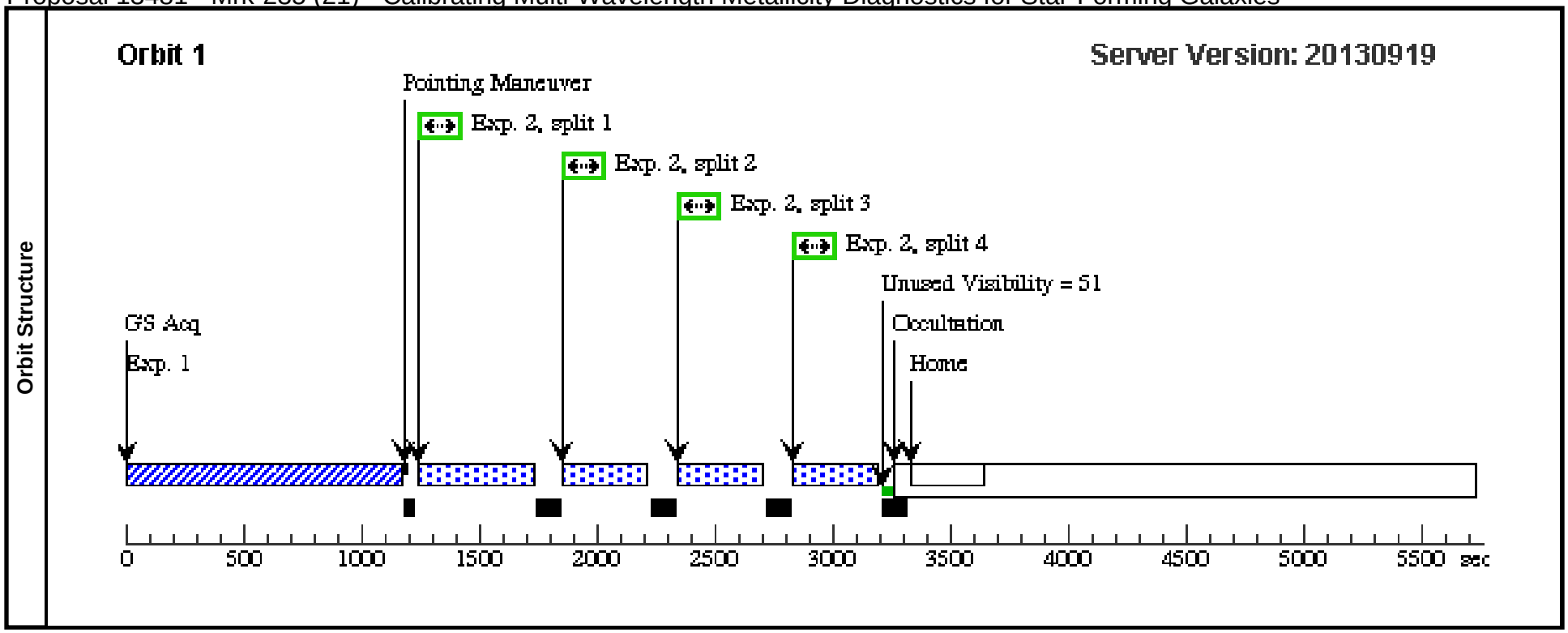
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	MRK-235	RA: 13 00 2.1130 (195.0088042d) Dec: +33 26 14.81 (33.43745d) Equinox: J2000		V=15.0+/-0.5 B=15.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-235 Acquisition (COS.ta.523195)	(21) MRK-235	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				369 Secs (369 Secs) *[==>]*	***[1]***
2	Mrk-235 Science (COS.sp.521643)	(21) MRK-235	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=310			310 Secs (1240 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
Pointing Maneuver
Exp. 2, split 1
Exp. 2, split 2
Exp. 2, split 3
Exp. 2, split 4
Unused Visibility = 51
Occultation
Home
GS Acq
Exp. 1
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-241 (22), implementation Wed Oct 02 01:17:39 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: Mrk 241, z=0.027, B=16.0

Diagnostics

(Mrk-241 (22)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

(Mrk-241 (22)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

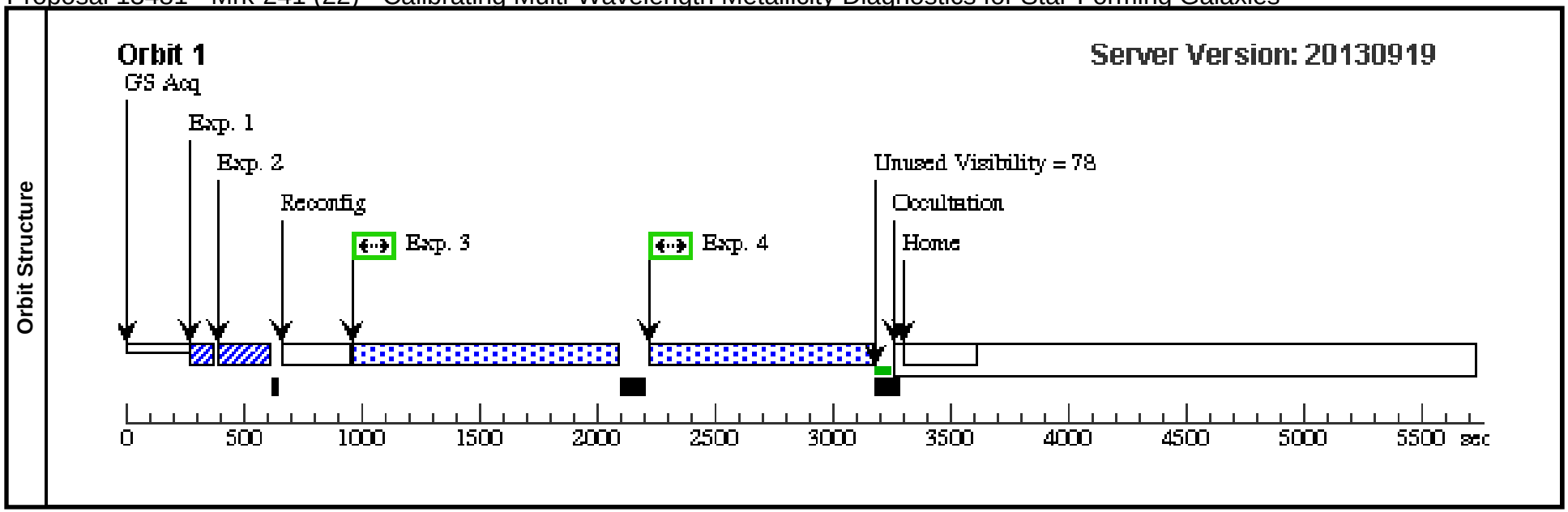
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(22)	MRK-241	RA: 13 06 19.7920 (196.5824667d) Dec: +32 58 26.02 (32.97389d) Equinox: J2000		V=16.0+/-0.5 B=16.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-241 PEAKXD Acquisition (COS.sa.523728)	(22) MRK-241	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				14 Secs (14 Secs) *[==>]*	*[1]*
2	Mrk-241 PEAKD Acquisition (COS.sa.523728)	(22) MRK-241	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; STEP-SIZE=0.9; SEGMENT=BOTH			14 Secs (14 Secs) *[==>]*	*[1]*
3	Mrk-241 Science (COS.sp.521815)	(22) MRK-241	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=900			900 Secs (900 Secs) *[==>]*	*[1]*
4	Mrk-241 Science (COS.sp.521815)	(22) MRK-241	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=900			900 Secs (900 Secs) *[==>]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3
Exp. 4
Unused Visibility = 78
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, 2MASX-J13135774+3518527 (23), implementation Wed Oct 02 01:17:39 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: I Zw 53, z=0.016, B=16.8

Diagnostics

(2MASX-J13135774+3518527 (23)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

(2MASX-J13135774+3518527 (23)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

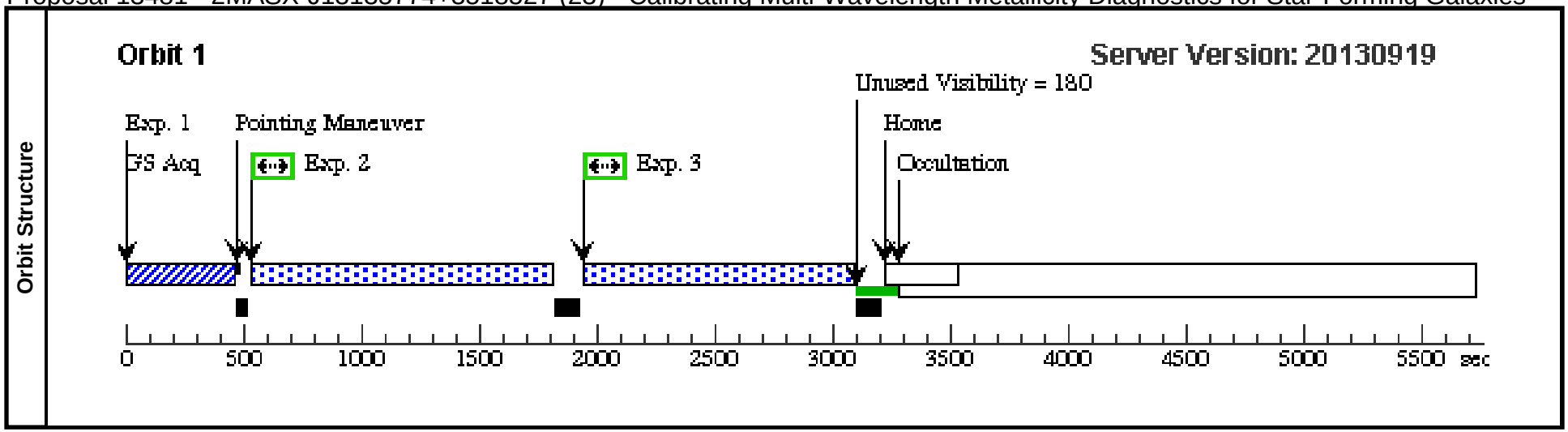
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(23)	2MASX-J13135774+3518527	RA: 13 13 57.7110 (198.4904625d) Dec: +35 18 52.96 (35.31471d) Equinox: J2000		V=16.8+/-0.5 B=16.8	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASX-J13135774+3518527 Acquisition (COS.ta.521819)	(23) 2MASX-J13135774+3518527	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs) *[==>]*	*[1]*
2	2MASX-J13135774+3518527 Science (COS.sp.521820)	(23) 2MASX-J13135774+3518527	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=1100			1100 Secs (1100 Secs) *[==>]*	*[1]*
3	2MASX-J13135774+3518527 Science (COS.sp.521820)	(23) 2MASX-J13135774+3518527	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=1100			1100 Secs (1100 Secs) *[==>]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20130919
Unused Visibility = 180
Exp. 1
FS Acq
Pointing Maneuver
Exp. 2
Exp. 3
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, MGC+04-33-036 (24), implementation Wed Oct 02 01:17:40 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: PGC 49732, z=0.009, B=15.2

Diagnostics

(MGC+04-33-036 (24)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

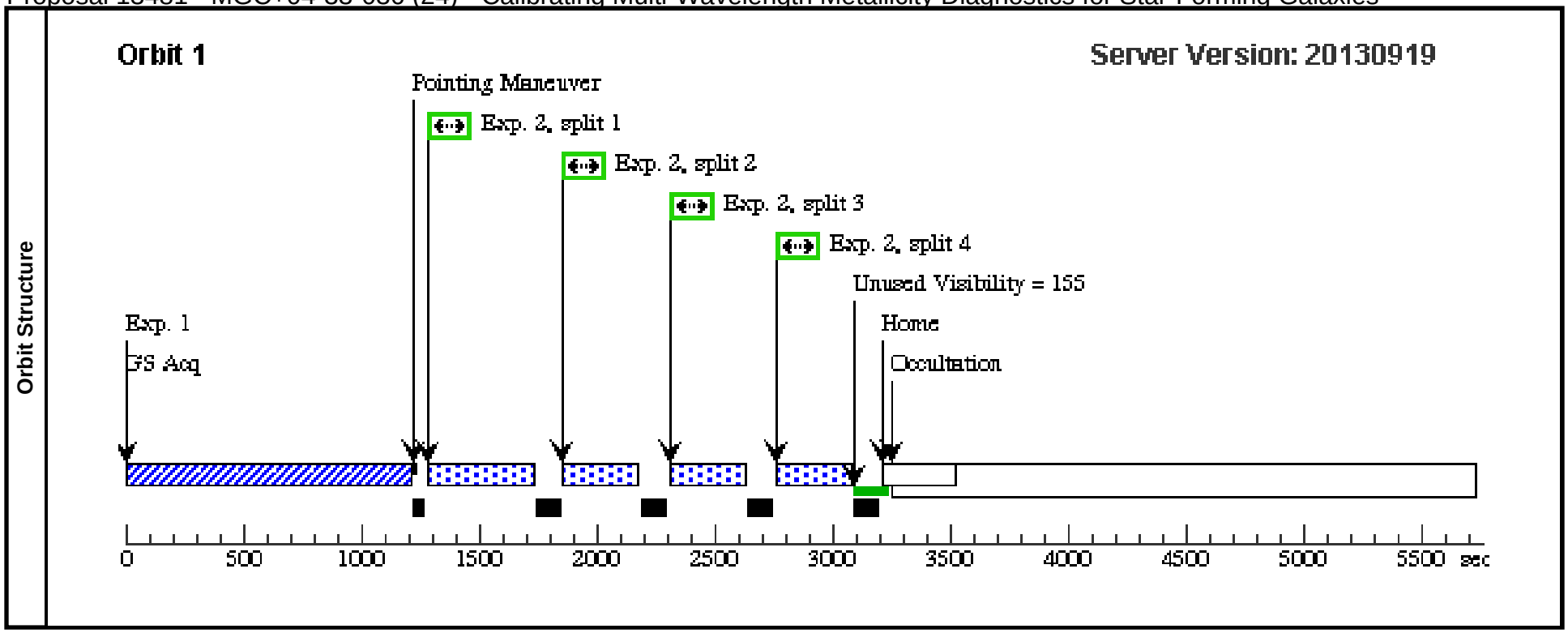
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(24)	MCG+04-33-036	RA: 13 58 23.8100 (209.5992083d) Dec: +25 33 0.64 (25.55018d) Equinox: J2000		V=15.2+/-0.5 B=15.2	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	MGC+04-33-036 Acquisition (COS.ta.523198)	(24) MCG+04-33-036	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				390 Secs (390 Secs) *[==>]*	***[1]***
2	MGC+04-33-036 Science (COS.sp.521646)	(24) MCG+04-33-036	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=270			270 Secs (1080 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
Pointing Maneuver
Exp. 2, split 1
Exp. 2, split 2
Exp. 2, split 3
Exp. 2, split 4
Unused Visibility = 155
Exp. 1
FS Acq
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-829 (25), implementation Wed Oct 02 01:17:40 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: II Zw 70, z=0.004, B=14.5

Diagnostics

(Mrk-829 (25)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

Fixed Targets

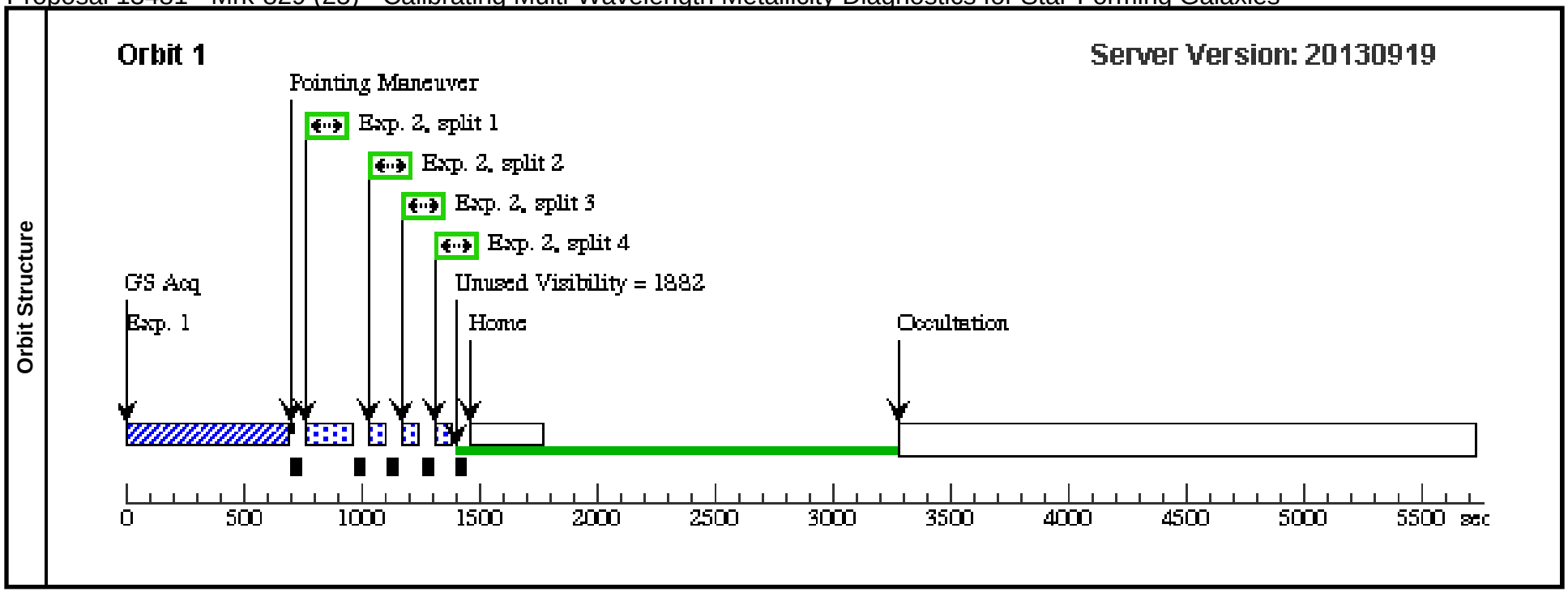
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(25)	MRK-829	RA: 14 50 56.6110 (222.7358792d) Dec: +35 34 19.13 (35.57198d) Equinox: J2000		V=14.5+/-0.5 B=14.5	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-829 Acquisition (COS.ta.523199)	(25) MRK-829	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				129 Secs (129 Secs) *[==>]*	***[1]***
2	Mrk-829 Science (COS.sp.521647)	(25) MRK-829	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=80			20 Secs (80 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Comments: ETC warning is not relevant for this target; it is not an irregularly variable source


Orbit Structure
Orbit 1
Server Version: 20130919
Pointing Maneuver
Exp. 2, split 1
Exp. 2, split 2
Exp. 2, split 3
Exp. 2, split 4
GS Acq
Exp. 1
Unused Visibility = 1882
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, Mrk-1499 (26), implementation Wed Oct 02 01:17:41 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: I Zw 159, z=0.010, B=15.6

Diagnostics

(Mrk-1499 (26)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

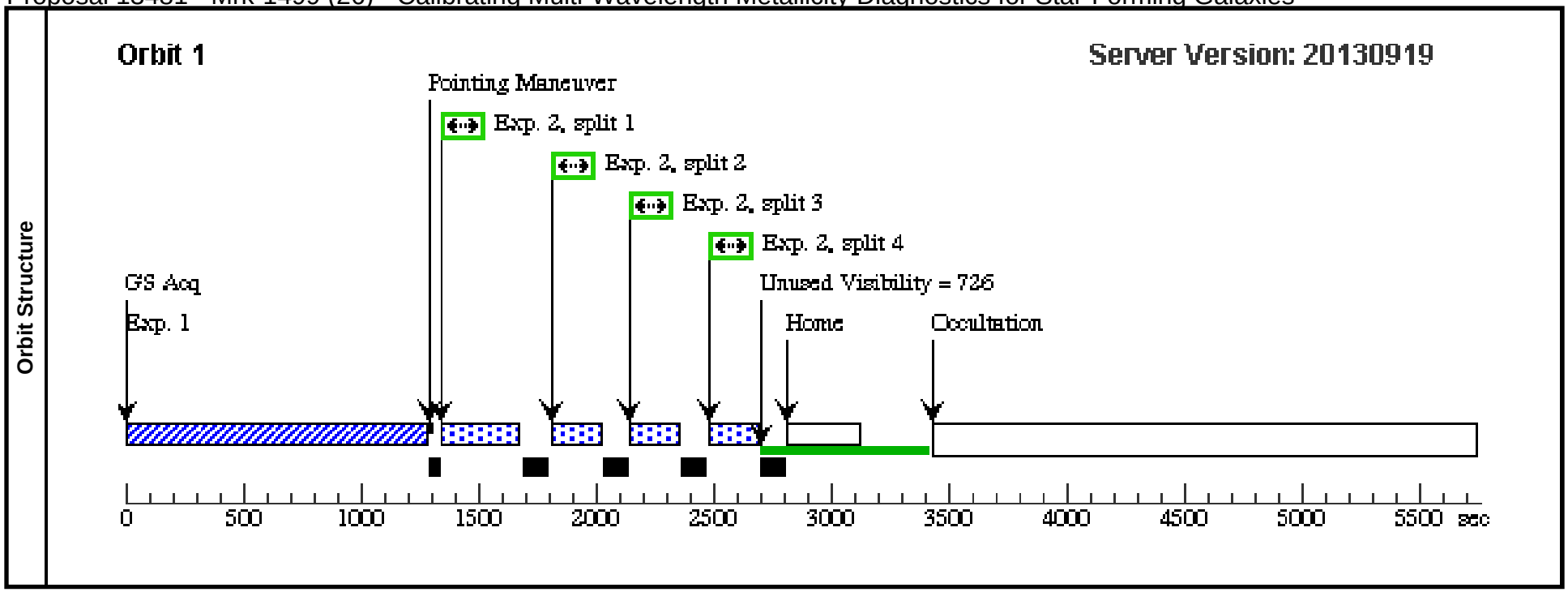
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(26)	MRK-1499	RA: 16 35 21.0560 (248.8377333d) Dec: +52 12 52.48 (52.21458d) Equinox: J2000		V=15.6+/-0.5 B=15.6	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Mrk-1499 Acquisition (COS.ta.523200)	(26) MRK-1499	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				423 Secs (423 Secs) *[==>]*	***[1]***
2	Mrk-1499 Science (COS.sp.521648)	(26) MRK-1499	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=155			155 Secs (620 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
Pointing Maneuver
Exp. 2, split 1
Exp. 2, split 2
Exp. 2, split 3
Exp. 2, split 4
GS Acq
Exp. 1
Unused Visibility = 726
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, 2MASX-J17402482+4743586 (27), implementation Wed Oct 02 01:17:41 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: I Zw 191, z=0.019, B=14.8

Diagnostics

(2MASX-J17402482+4743586 (27)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

(2MASX-J17402482+4743586 (27)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

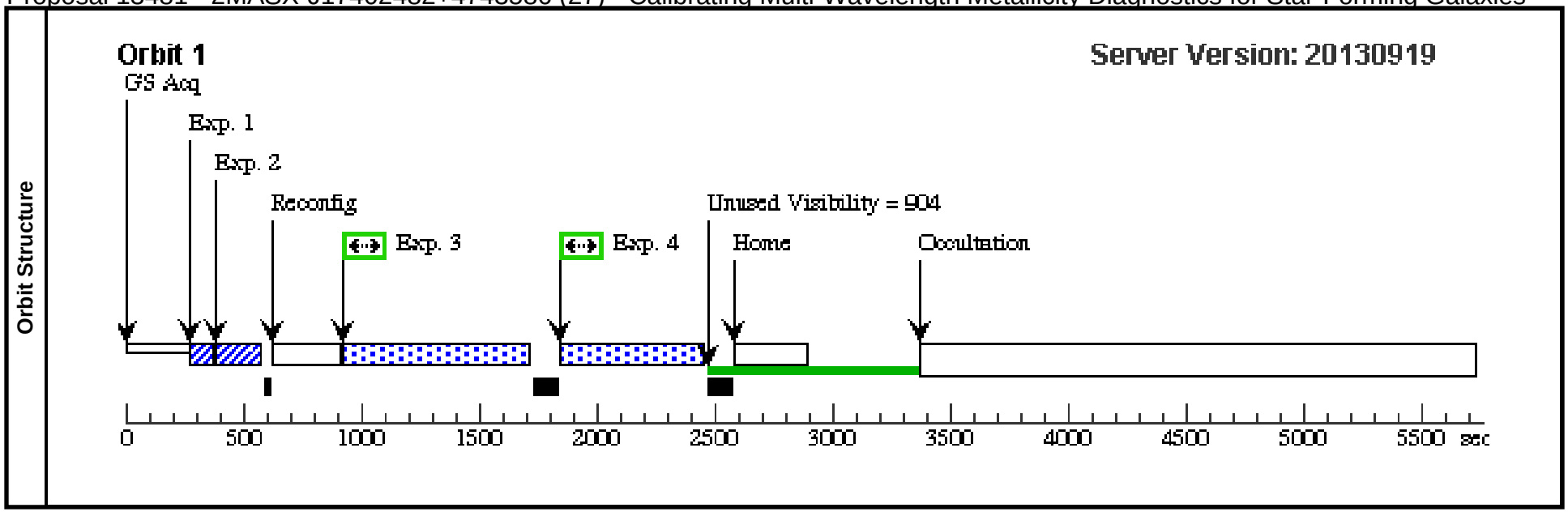
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(27)	2MASX-J17402482+4743586	RA: 17 40 24.8310 (265.1034625d) Dec: +47 43 59.30 (47.73314d) Equinox: J2000		V=14.8+/-0.5 B=14.8	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	2MASX-J17402482+4743586 PEAKXD Acquisition (COS.sa.523732)	(27) 2MASX-J17402482+4743586	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				8 Secs (8 Secs) *[==>]*	***[1]***
2	2MASX-J17402482+4743586 PEAKD Acquisition (COS.sa.523732)	(27) 2MASX-J17402482+4743586	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			8 Secs (8 Secs) *[==>]*	***[1]***
3	2MASX-J17402482+4743586 Science (COS.sp.521649)	(27) 2MASX-J17402482+4743586	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=1; BUFFER-TIME=560			560 Secs (560 Secs) *[==>]*	***[1]***
4	2MASX-J17402482+4743586 Science (COS.sp.521649)	(27) 2MASX-J17402482+4743586	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; BUFFER-TIME=560			560 Secs (560 Secs) *[==>]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3
Exp. 4
Unused Visibility = 904
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, LEDA-68454 (28), implementation Wed Oct 02 01:17:41 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: IV Zw 93, z=0.012, B=15.7

Diagnostics

(LEDA-68454 (28)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

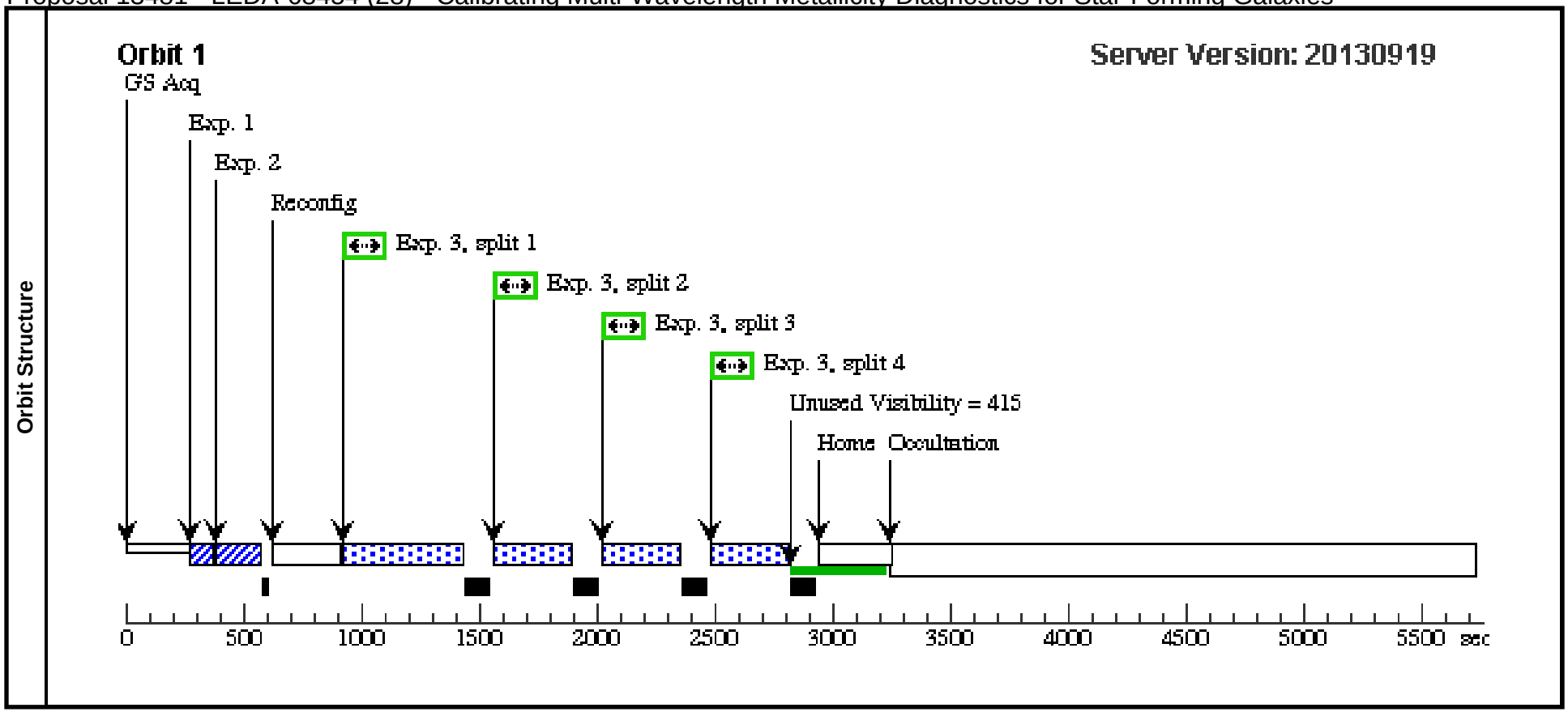
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(28)	LEDA-68454	RA: 22 16 8.2970 (334.0345708d) Dec: +22 56 4.36 (22.93454d) Equinox: J2000		V=15.7+/-0.5 B=15.7	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	LEDA-68454 PEAKXD Acquisition (COS.sa.523729)	(28) LEDA-68454	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				7 Secs (7 Secs) *[==>]*	*[1]*
2	LEDA-68454 PEAKD Acquisition (COS.sa.523729)	(28) LEDA-68454	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			7 Secs (7 Secs) *[==>]*	*[1]*
3	LEDA-68454 Science (COS.sp.521650)	(28) LEDA-68454	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=280			280 Secs (1120 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3, split 1
Exp. 3, split 2
Exp. 3, split 3
Exp. 3, split 4
Unused Visibility = 415
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, UGC-12011 (29), implementation Wed Oct 02 01:17:42 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: UGC 12011, z=0.023, B=14.0

Diagnostics

(UGC-12011 (29)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.

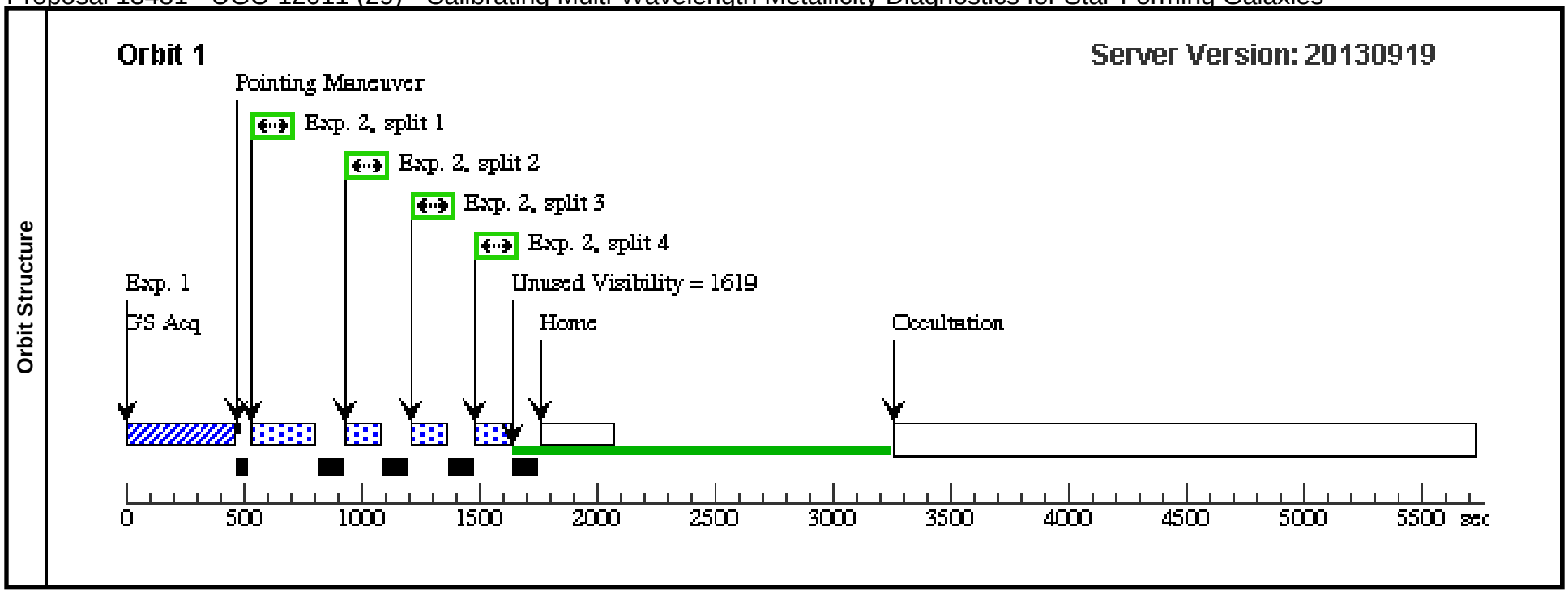
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(29)	UGC-12011	RA: 22 23 2.4000 (335.7600000d) Dec: +30 55 27.00 (30.92417d) Equinox: J2000		V=14.0+/-0.5 B=14.0	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	UGC-12011 Acquisition (COS.ta.521608)	(29) UGC-12011	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				15 Secs (15 Secs) *[==>]*	 ***[1]***
2	UGC-12011 Science (COS.sp.521651)	(29) UGC-12011	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=95			95 Secs (380 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	 ***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
Pointing Maneuver
Exp. 2, split 1
Exp. 2, split 2
Exp. 2, split 3
Exp. 2, split 4
Exp. 1
GS Acq
Unused Visibility = 1619
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, NGC-7673 (30), implementation Wed Oct 02 01:17:42 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: IV Zw 149, z=0.011, B=13.2

Diagnostics

(NGC-7673 (30)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

Fixed Targets

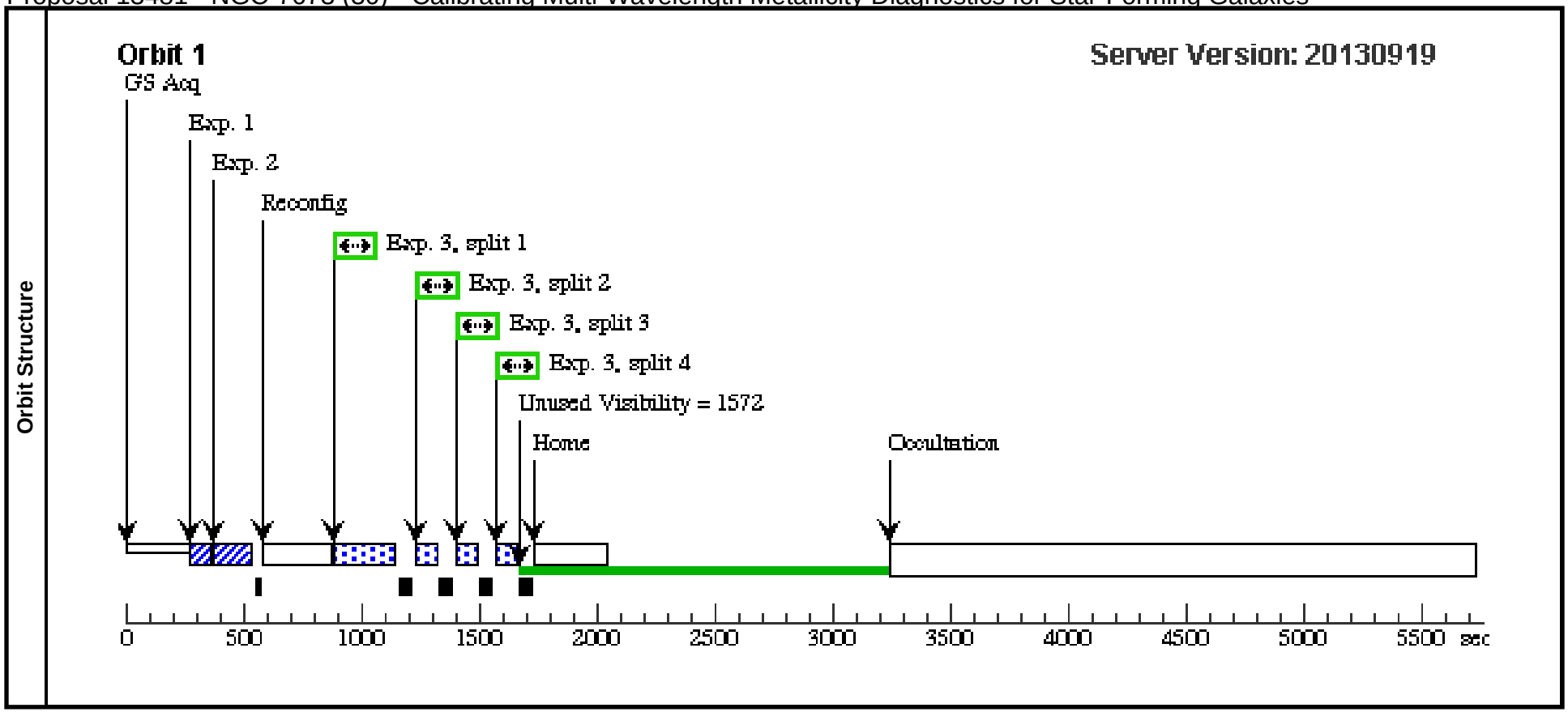
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(30)	NGC-7673	RA: 23 27 41.0420 (351.9210083d) Dec: +23 35 21.38 (23.58927d) Equinox: J2000		V=12.76+/-0.01 B=13.2	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	NGC-7673 PEAKXD Acquisition (COS.sa.523720)	(30) NGC-7673	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				1 Secs (1 Secs) *[==>]*	***[1]***
2	NGC-7673 PEAKD Acquisition (COS.sa.523720)	(30) NGC-7673	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			1 Secs (1 Secs) *[==>]*	***[1]***
3	NGC-7673 Science (COS.sp.521652)	(30) NGC-7673	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=80			35 Secs (140 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Comments: ETC warning is not relevant for this target; it is not an irregularly variable source


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3, split 1
Exp. 3, split 2
Exp. 3, split 3
Exp. 3, split 4
Unused Visibility = 1572
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13481, NAME-BARBONS-GALAXY (31), implementation Wed Oct 02 01:17:43 GMT 2013

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: Mrk 328, z=0.005, B=15.5

Diagnostics

(NAME-BARBONS-GALAXY (31)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/PEAKXD.

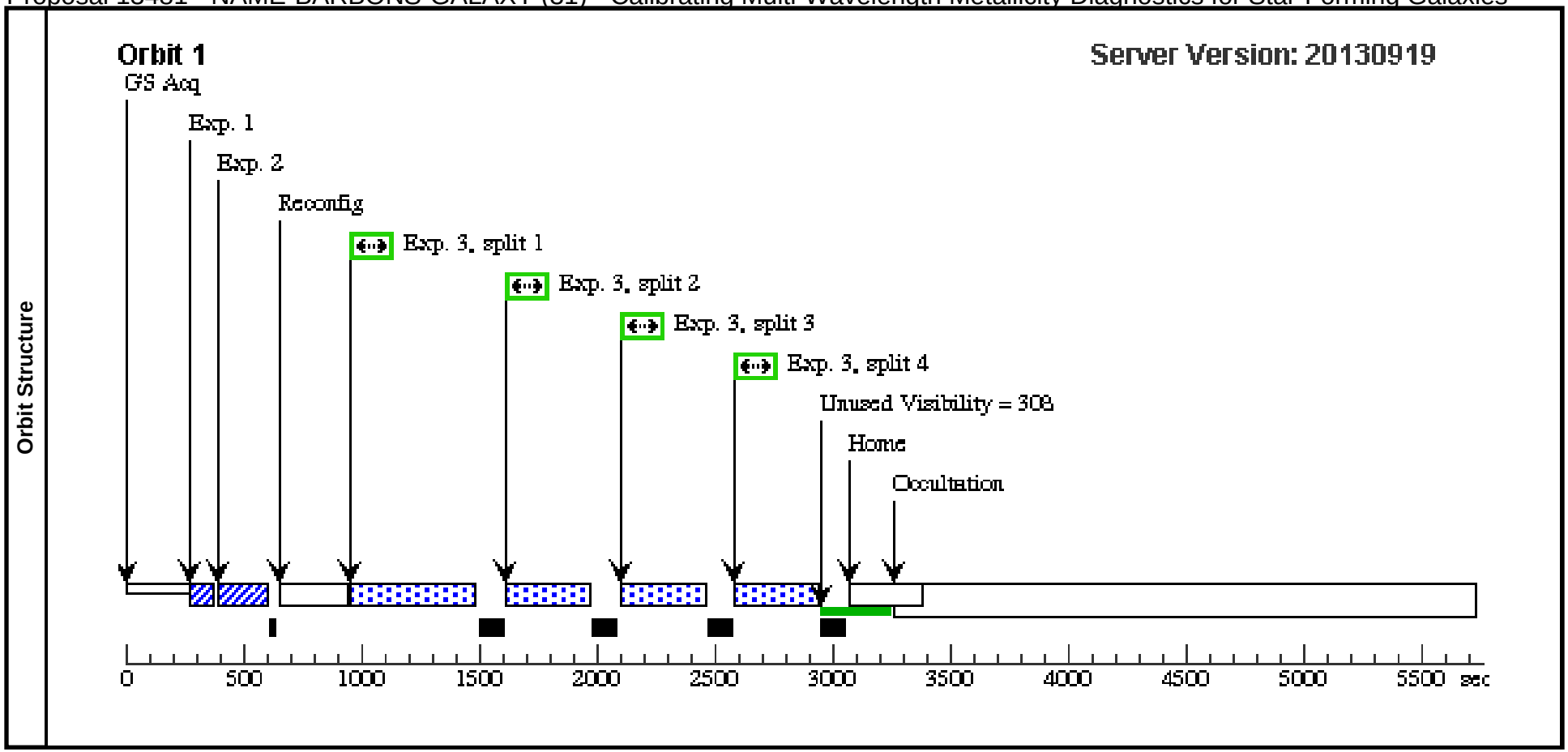
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(31)	NAME-BARBONS-GALAXY	RA: 23 37 39.5640 (354.4148500d) Dec: +30 07 46.78 (30.12966d) Equinox: J2000		V=15.5+/-0.5 B=15.5	Reference Frame: ICRS

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

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	NAME-BARBONS-GALAXY PEAKXD Acquisition (COS.sa.523730)	(31) NAME-BARBONS-GALAXY	COS/FUV, ACQ/PEAKXD, PSA	G130M 1309 A				12 Secs (12 Secs) *[==>]*	***[1]***
2	NAME-BARBONS-GALAXY PEAKD Acquisition (COS.sa.523730)	(31) NAME-BARBONS-GALAXY	COS/FUV, ACQ/PEAKD, PSA	G130M 1309 A	CENTER=FLUX-WT-FLR; NUM-POS=5; SEGMENT=BOTH; STEP-SIZE=0.9			12 Secs (12 Secs) *[==>]*	***[1]***
3	NAME-BARBONS-GALAXY Science (COS.sp.521653)	(31) NAME-BARBONS-GALAXY	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=ALL; BUFFER-TIME=305			305 Secs (1220 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20130919
GS Acq
Exp. 1
Exp. 2
Reconfig
Exp. 3, split 1
Exp. 3, split 2
Exp. 3, split 3
Exp. 3, split 4
Unused Visibility = 308
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec