



## 12873 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

Cycle: 20, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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### VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) WISEJ0148-7202	WFC3/IR	1	10-Jul-2012 21:22:22.0	yes
02	(36) WISEJ0015-4615	WFC3/IR	1	10-Jul-2012 21:22:30.0	yes
03	(5) WISEJ0410+1502	WFC3/IR	1	10-Jul-2012 21:22:35.0	yes
04	(8) WISEJ0744+5628	WFC3/IR	1	10-Jul-2012 21:22:41.0	yes
05	(12) WISEJ0857+5604	WFC3/IR	1	10-Jul-2012 21:22:46.0	yes
06	(16) WISEJ1150+6302	WFC3/IR	1	10-Jul-2012 21:22:51.0	yes
07	(21) WISEJ1541-2250	WFC3/IR	1	10-Jul-2012 21:22:57.0	yes
08	(34) WISEJ2325-4105	WFC3/IR	1	10-Jul-2012 21:23:03.0	yes
09	(37) WISEJ0032-4946	WFC3/IR	1	10-Jul-2012 21:23:08.0	yes
10	(38) CFBDSJ0133+0231	WFC3/IR	1	10-Jul-2012 21:23:13.0	yes
11	(39) WISEJ0321-7348	WFC3/IR	1	10-Jul-2012 21:23:18.0	yes
12	(40) WISEPCJ1042-3842	WFC3/IR	1	10-Jul-2012 21:23:23.0	yes
13	(41) WISEPAJ2313-8037	WFC3/IR	1	10-Jul-2012 21:23:28.0	yes
14	(43) WISEJ1051-2139	WFC3/IR	1	10-Jul-2012 21:23:33.0	yes

Proposal 12873 (STScI Edit Number: 0, Created: Tuesday, July 10, 2012 8:25:22 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
15	(45) WISEJ2332-4325	WFC3/IR	1	10-Jul-2012 21:23:38.0	yes
16	(47) WISEJ0812+4021	WFC3/IR	1	10-Jul-2012 21:23:43.0	yes
17	(50) WISEJ0146+4234	WFC3/IR	1	10-Jul-2012 21:23:48.0	yes
18	(52) WISEJ0713-2917	WFC3/IR	1	10-Jul-2012 21:23:53.0	yes
19	(53) WISEJ0734-7157	WFC3/IR	1	10-Jul-2012 21:23:58.0	yes
20	(54) WISEPCJ1405+5534	WFC3/IR	1	10-Jul-2012 21:24:03.0	yes
21	(56) WISEJ2220-3628	WFC3/IR	1	10-Jul-2012 21:24:08.0	yes
22	(57) WISEJ0005+3737	WFC3/IR	1	10-Jul-2012 21:24:13.0	yes
23	(58) WISEJ0038+2758	WFC3/IR	1	10-Jul-2012 21:24:18.0	yes
24	(59) WISEJ0325-3854	WFC3/IR	1	10-Jul-2012 21:24:23.0	yes
25	(60) WISEJ0335+4310	WFC3/IR	1	10-Jul-2012 21:24:28.0	yes
26	(61) WISEJ0413-4750	WFC3/IR	1	10-Jul-2012 21:24:33.0	yes
27	(62) WISEJ0723+3403	WFC3/IR	1	10-Jul-2012 21:24:38.0	yes
28	(63) WISEJ0811-8051	WFC3/IR	1	10-Jul-2012 21:24:43.0	yes
29	(64) WISEJ1318-1758	WFC3/IR	1	10-Jul-2012 21:24:48.0	yes
30	(65) WISEJ2102-4429	WFC3/IR	1	10-Jul-2012 21:24:54.0	yes
31	(66) WISEJ0049+2151	WFC3/IR	1	10-Jul-2012 21:24:59.0	yes
32	(67) WISEJ2019-1148	WFC3/IR	1	10-Jul-2012 21:25:04.0	yes
33	(68) WISEJ1517+0529	WFC3/IR	1	10-Jul-2012 21:25:09.0	yes
34	(69) WISEJ024714.52	WFC3/IR	1	10-Jul-2012 21:25:14.0	yes

34 Total Orbits Used

**ABSTRACT**

In the last two years, discoveries of the very coolest brown dwarfs ( $T < 800$  K) have accelerated, due to results from WISE, UKIDSS, and other IR surveys. These objects close the gap in mass between brown dwarfs and planets -- indeed many of them have planetary masses. Any companions around such an object would certainly be among the lowest mass imaged to date. Here we propose to obtain HST WFC3 IR imaging of newly

discovered  $>T8$  dwarfs to search for planetary mass companions to these objects. Any companion discovered to these objects will be a key benchmark object for models and will eventually yield a dynamical mass. We will also be able to place the first constraints to date on the binary fraction for  $>T8$  cool brown dwarfs. For our sample with typical estimated distances of 10-15 pc, WFC3's 0.13" IR platescale will allow us to probe equal magnitude binaries down to separations of 0.2", corresponding to physical separations of 2-3 AU. In order to clearly distinguish cool substellar/planetary mass companions from background stars, we propose observations in the F127M and the F138M filters, since true cool companions should show deep water absorption features at 1.4  $\mu\text{m}$ . HST WFC3 is the only instrument in the world capable of observing reliably in both of these filters, since the bandpass of the F139M water filter is often unobservable from the ground due to telluric water absorption. Additionally, more than half of our sample is unobservable from the ground, due to the lack of suitable NGS AO guide stars or LGS AO tip-tilt stars.

### **OBSERVING DESCRIPTION**

Here we propose to obtain WFC3 infrared channel SNAP imaging for a subset of 34 newly discovered  $\geq T8$  dwarfs. High contrasts are absolutely unnecessary for this survey, as these objects are already intrinsically faint and any likely detectable companion will be near equal magnitude (i.e. any companion will not have  $\Delta \text{mag}$  greater than 2-3, realistically.) While the WFC3 IR channel has a comparatively coarse platescale of 0.13", this should not affect our science goals, as our sample has typical estimated distances of 10-15 pc, affording us excellent physical resolution. With the undersampled WFC3 PSF (FWHM  $\sim 0.13''$ ), we should be able to detect  $\Delta \text{mag} = 2-3$  binaries down to separations of  $\sim 0.2''$ , corresponding to separations of 2-3 AU. Any candidate within 1" is very likely to be a true companion; For instance, for SCH 1609-2007B, a 0.14" brown dwarf companion to a very low mass star (Biller et al. 2011), the likelihood that SCR 1609-2007B is a background object is  $\sim 2.6 \times 10^{-6}$  (adopting the approach of Brandner et al. 2000).

In order to clearly distinguish cool substellar/planetary mass companions from background stars, we propose observations in the F127M and the F138M filters. A true cool companion ( $\text{SpT} \geq T0$ ) will be considerably brighter in F127M vs. F139M due to a deep water absorption feature at 1.4  $\mu\text{m}$ , whereas a background star should be comparably bright in both filters. Thus F138M - F127M colors can be used to determine if a candidate companion is indeed substellar/planetary mass. Use of WFC3's capability to image in the F139M water filter is essential for this work, as this will allow us to clearly distinguish between true substellar companions and background stars. HST WFC3 is the only instrument in the world capable of observing reliably in both of these filters, since the bandpass of the F139M water filter is often unobservable from the ground due to telluric water absorption. Even observing a subset of our targets will provide a valuable scientific result and constraints on the binarity of these extraordinarily cool objects.

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For each target we thus request 1 orbit for deep imaging in the F127M and F139M bands. We will use the recommended line dithering patterns to allow removal of hot pixels and improve sampling of the PSF. Given the large WFC3 overheads associated with dumping the buffer for short exposures, we will use 349 s exposures in all cases. In full frame mode, taking 2 dither positions in 2 filters with exposure times of 349 s each will take ~35 minutes (24 minutes of integration time and 11 minutes of overheads). The 5-sigma limits of our proposed observations (for 2 dithers of 349 s exposures) are 24.1 and 23.8 mags in F127M and F139M, respectively. These sensitivity limits will easily allow for detection of planetary mass companions similar to CFBDSIR J1458+1013AB (J=21.7, H=22.5, Liu et al. 2011). We do not expect any of our science targets to saturate in this exposure time. However, even if slight saturation occurs, it is not a concern, as the WFC IR channel provides every read up the ramp -- saturated reads can thus be discarded and only the unsaturated reads used.

Proposal 12873 - Visit 01 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

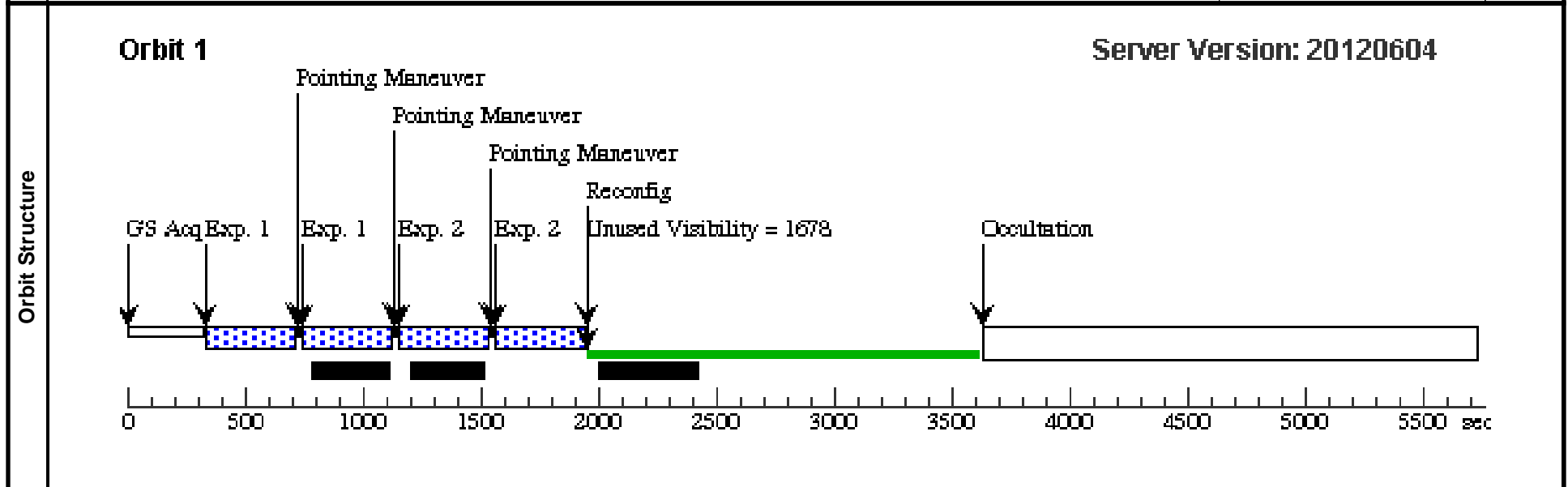
Wed Jul 11 01:25:23 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 01</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WISEJ0148-7202	RA: 01 48 7.3000 (27.0304167d) Dec: -72 02 59.00 (-72.04972d) Equinox: J2000		V=(?) W2=14.6, J=19, H=19.22, T9.5 d est=12 pc	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) WISEJ0148-7202	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 01 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(1) WISEJ0148-7202	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 01 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 12873 - Visit 02 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

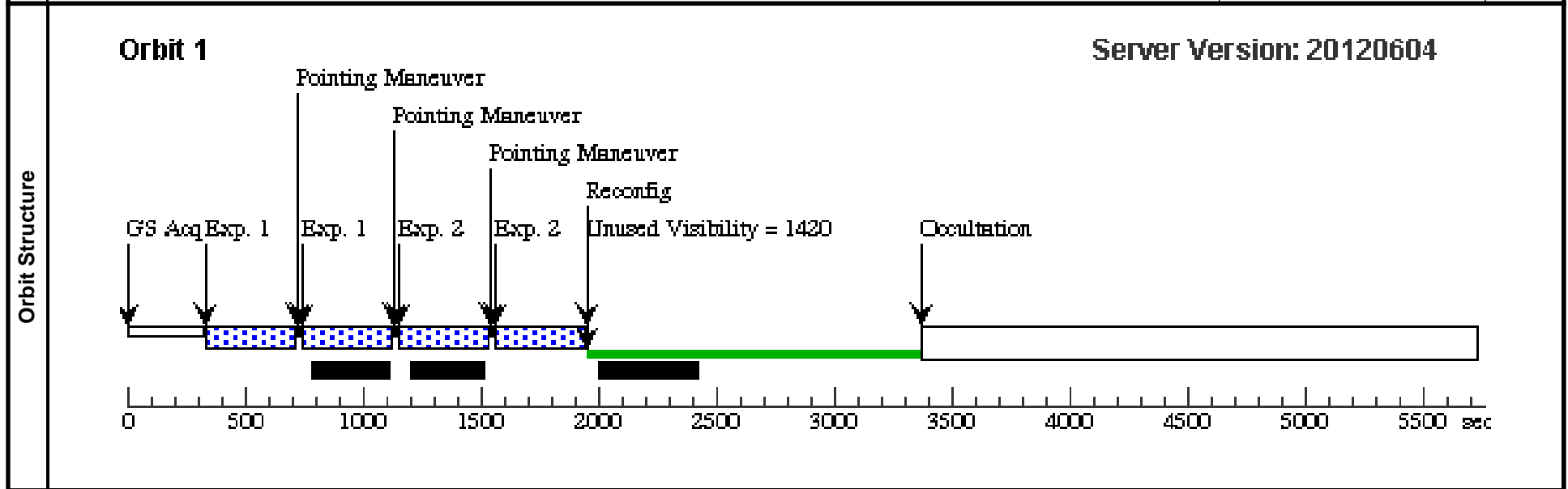
Wed Jul 11 01:25:24 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 02</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(36)	WISEJ0015-4615	RA: 00 15 5.8700 (3.7744583d) Dec: -46 15 17.60 (-46.25489d) Equinox: J2000		V=(?) W2=14.25+-0.06, W1-W2=2.77+-0.16	Reference Frame: ICRS
	<i>Comments: T8 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(36) WISEJ0015-4615	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5		Pattern 1, Exps 1-1 in Visit 02 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(36) WISEJ0015-4615	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5		Pattern 1, Exps 2-2 in Visit 02 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 03 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

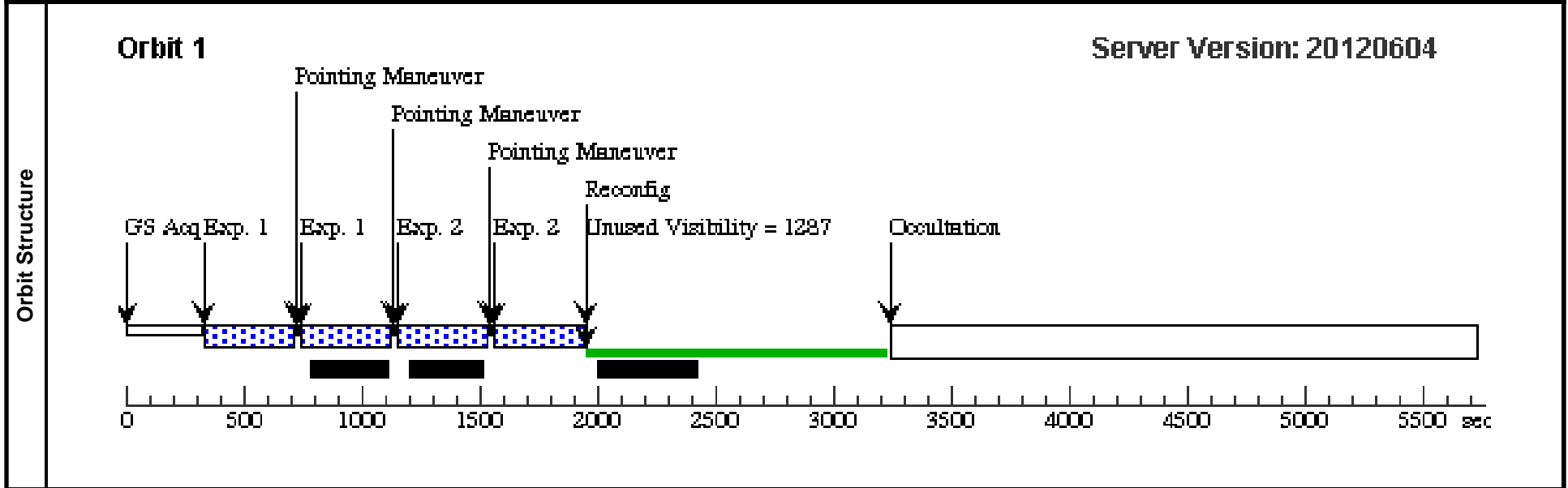
Wed Jul 11 01:25:25 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 03</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	WISEJ0410+1502	RA: 04 10 22.7100 (62.5946250d) Dec: +15 02 48.50 (15.04681d) Equinox: J2000		V=(?) W2=14.2 J=19.2 Y0 d_est=9.0 p c	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) WISEJ0410+1502	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 03 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(5) WISEJ0410+1502	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 03 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]

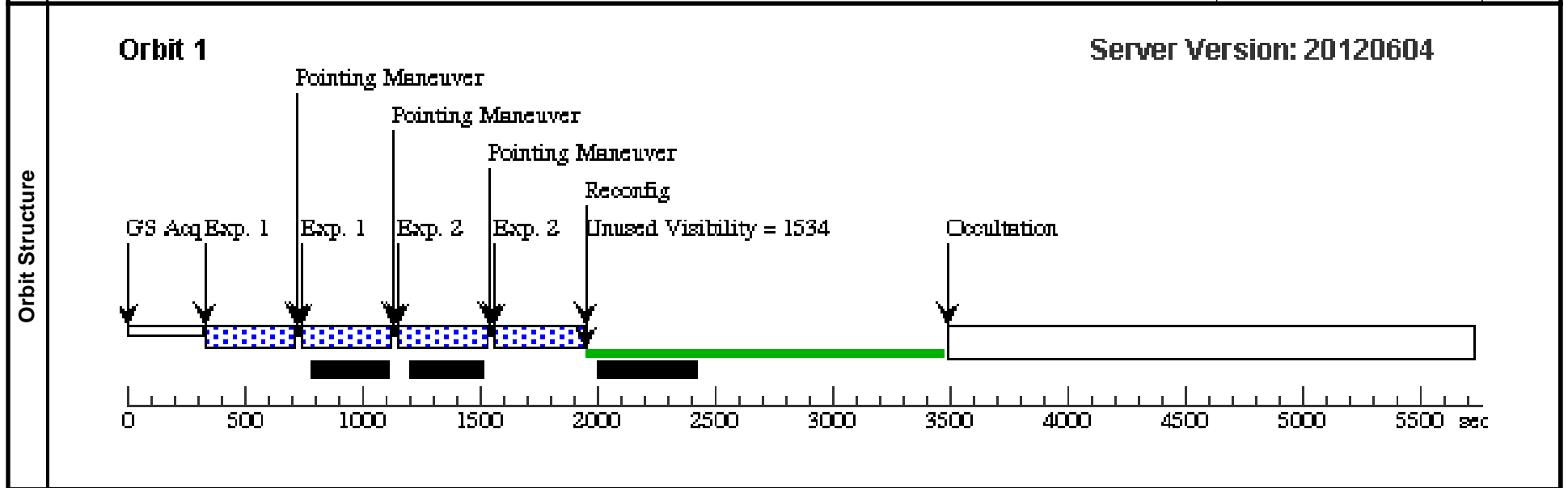


<b>Visit</b>	<b>Proposal 12873, Visit 04</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	WISEJ0744+5628	RA: 07 44 57.1500 (116.2381250d) Dec: +56 28 21.80 (56.47272d) Equinox: J2000		V=(?) W2=14.5 J=17.7 T8 d_est=15.7	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) WISEJ0744+5628	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 04 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(8) WISEJ0744+5628	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 04 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 05 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

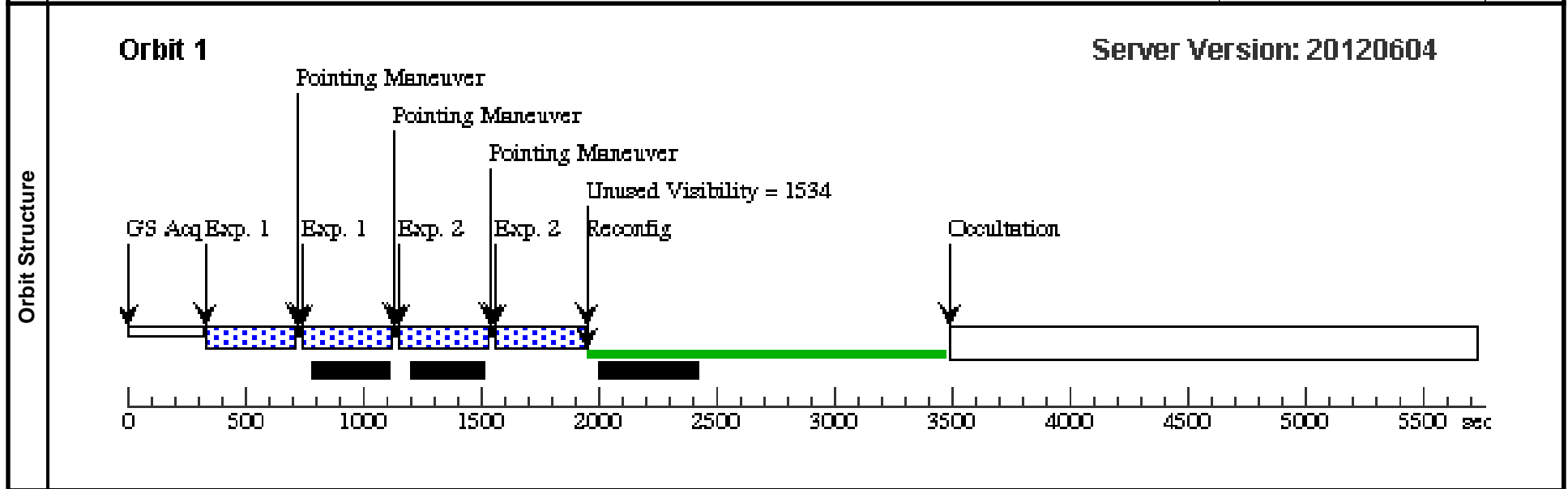
Wed Jul 11 01:25:27 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 05</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	WISEJ0857+5604	RA: 08 57 16.2500 (134.3177083d) Dec: +56 04 7.60 (56.06878d) Equinox: J2000		V=(?) W2=14.0 J=17.7 T8pec d_est=1 3 pc	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) WISEJ0857+5604	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 05 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(12) WISEJ0857+5604	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 05 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 06 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

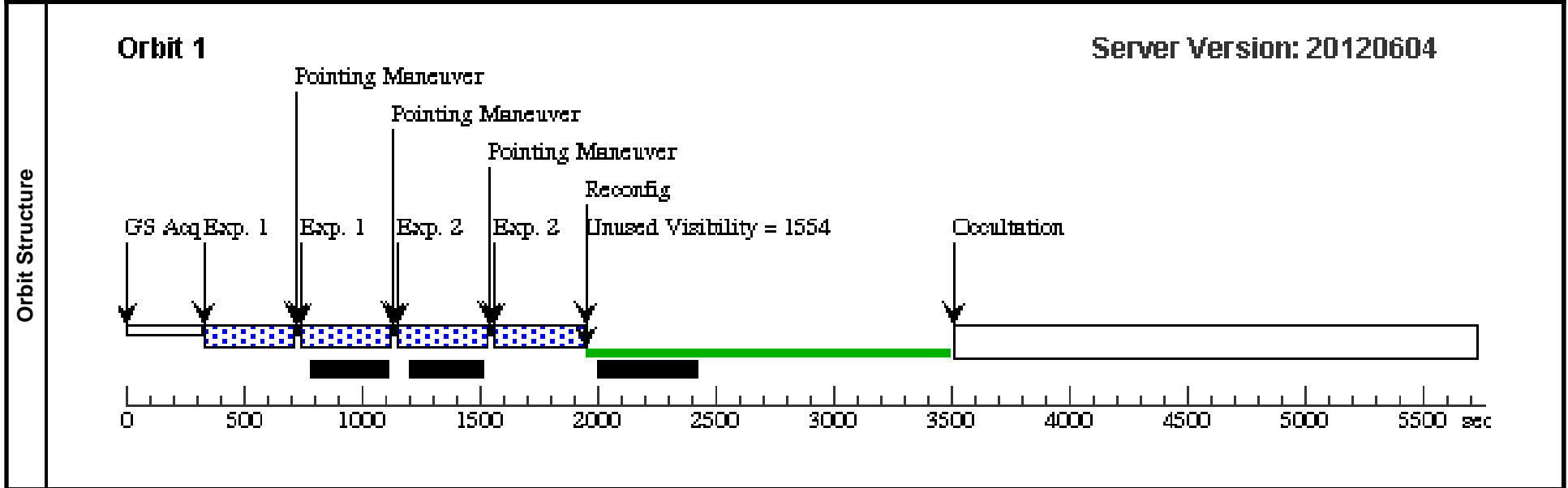
Wed Jul 11 01:25:28 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 06</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	WISEJ1150+6302	RA: 11 50 13.8800 (177.5578333d) Dec: +63 02 40.70 (63.04464d) Equinox: J2000		V=(?) W2=13.4 J=17.7 T8 d_est=9.6 p c	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(16) WISEJ1150+6302	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50; NSAMP=12		Pattern 1, Exps 1-1 in Visit 06 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(16) WISEJ1150+6302	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 06 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 07 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

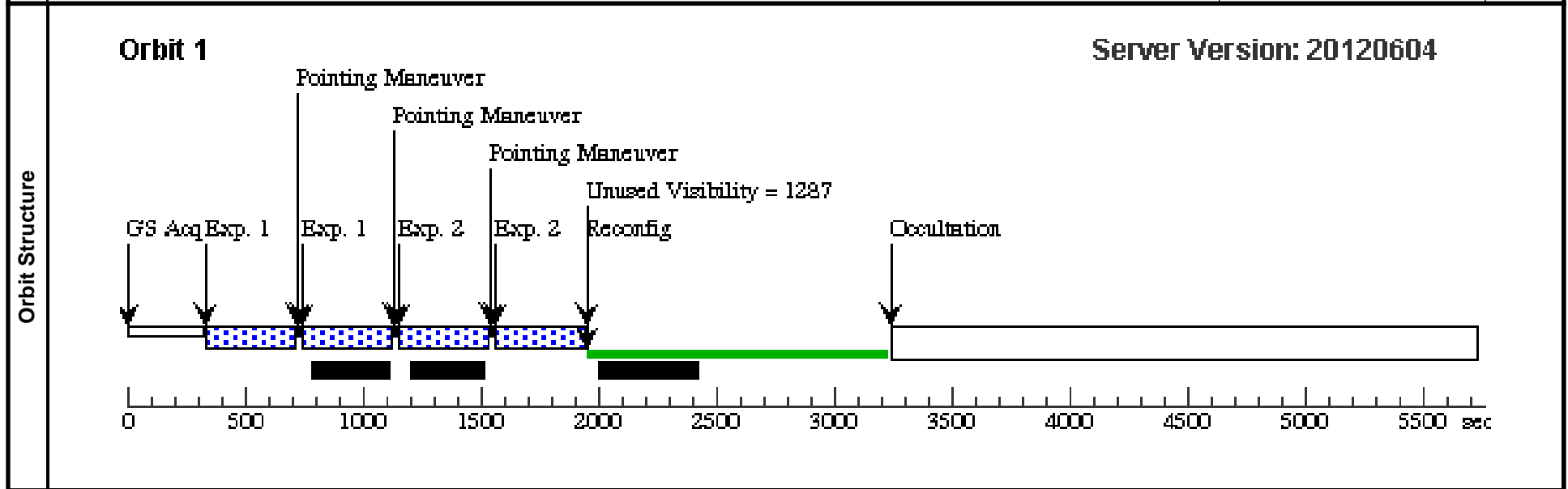
Wed Jul 11 01:25:29 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 07</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(21)	WISEJ1541-2250	RA: 15 41 51.7000 (235.4654167d) Dec: -22 50 25.00 (-22.84028d) Equinox: J2000		V=(?) W2=14.0 J=21.2 Y0 d_est=8 pc	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(21) WISEJ1541-2250	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5		Pattern 1, Exps 1-1 in Visit 07 (1)	[=>(Pattern 1)]	[1]
	2		(21) WISEJ1541-2250	WFC3/IR, MULTIACCUM, IR	F139M		NSAMP=12; SAMP-SEQ=STEP5		Pattern 1, Exps 2-2 in Visit 07 (1)	[=>(Pattern 2)]

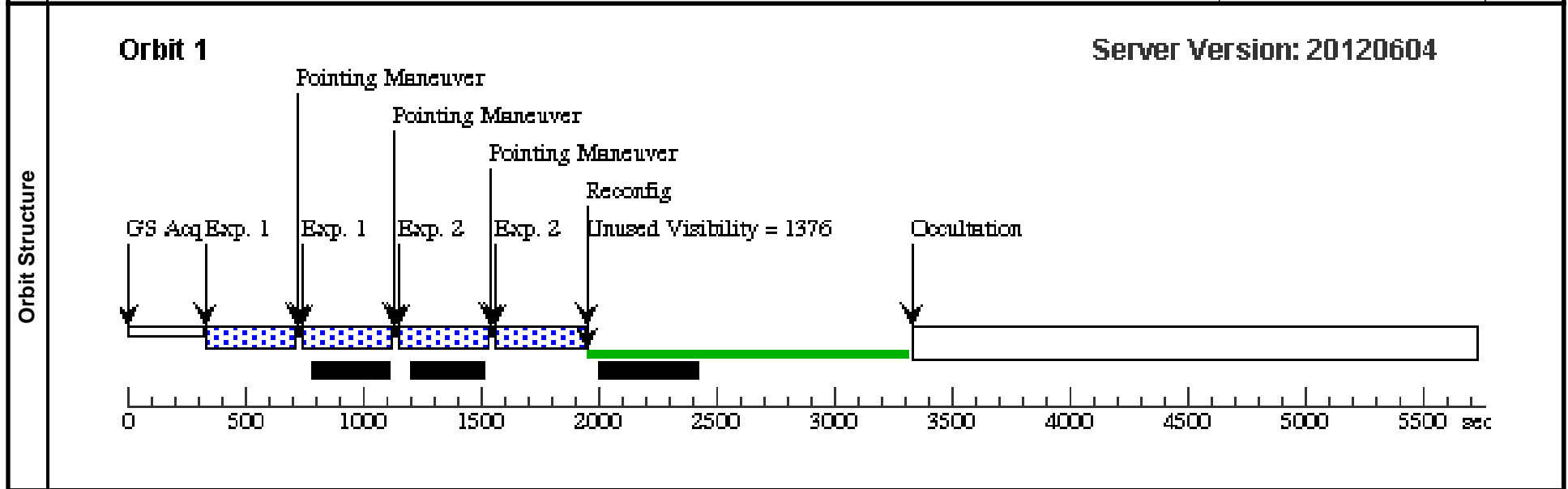


<b>Visit</b>	<b>Proposal 12873, Visit 08</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(34)	WISEJ2325-4105	RA: 23 25 19.5000 (351.3312500d) Dec: -41 05 35.00 (-41.09306d) Equinox: J2000		V=(?) W2=13.7 J=19.8 T9pec d_est=1 1 pc	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(34) WISEJ2325-410 5	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 i n Visit 08 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(34) WISEJ2325-410 5	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 i n Visit 08 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 09 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

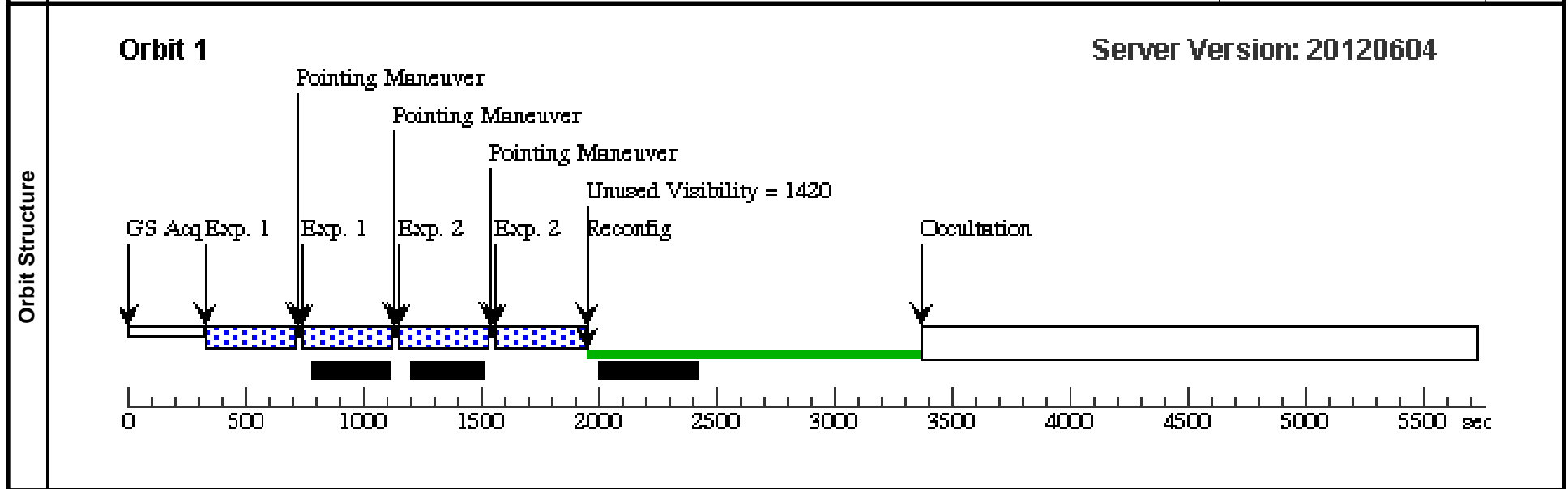
Wed Jul 11 01:25:30 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 09</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(37)	WISEJ0032-4946	RA: 00 32 31.0900 (8.1295417d) Dec: -49 46 51.40 (-49.78094d) Equinox: J2000		V=(?) W2=15.07+-0.09, W1-W2=3.01+-0.35	Reference Frame: ICRS
	<i>Comments: T8 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(37) WISEJ0032-4946	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 i n Visit 09 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(37) WISEJ0032-4946	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 i n Visit 09 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 10 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

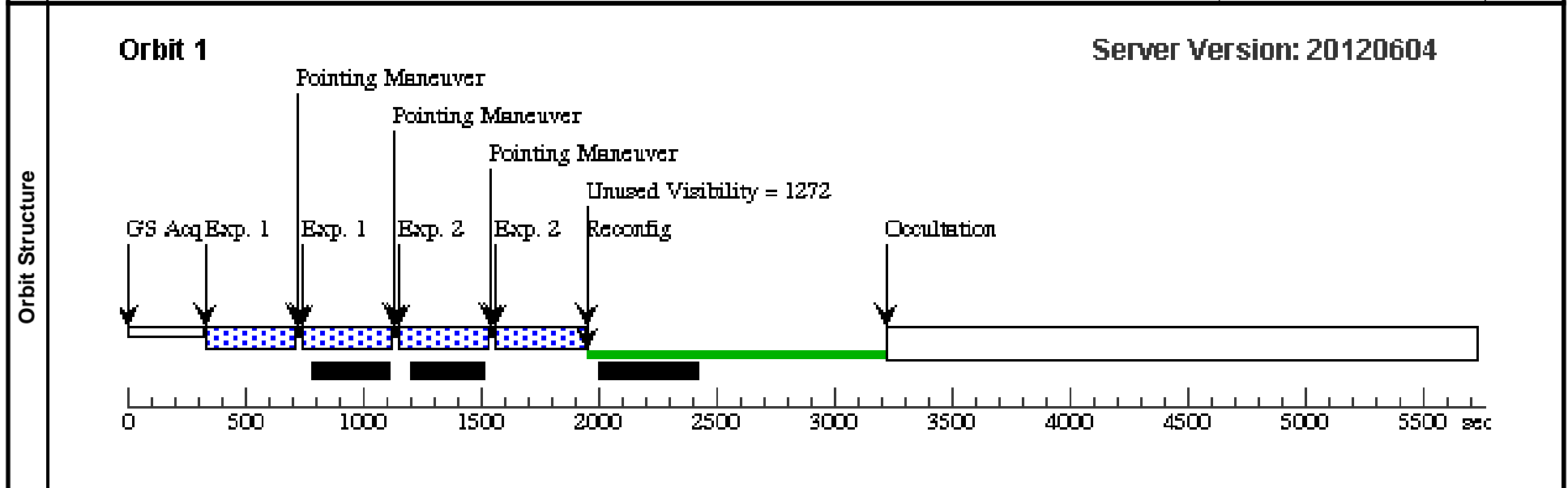
Wed Jul 11 01:25:31 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 10</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(38)	CFBDSJ0133+0231	RA: 01 33 2.4400 (23.2601667d) Dec: +02 31 28.90 (2.52469d) Equinox: J2000		V=(?) H=18.62±0.1, W2=15.10±0.09, W1-W2=2.69±0.28	Reference Frame: ICRS
	<i>Comments: T8 2011 Albert+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(38) CFBDSJ0133+0231	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 10 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(38) CFBDSJ0133+0231	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 10 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 11 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

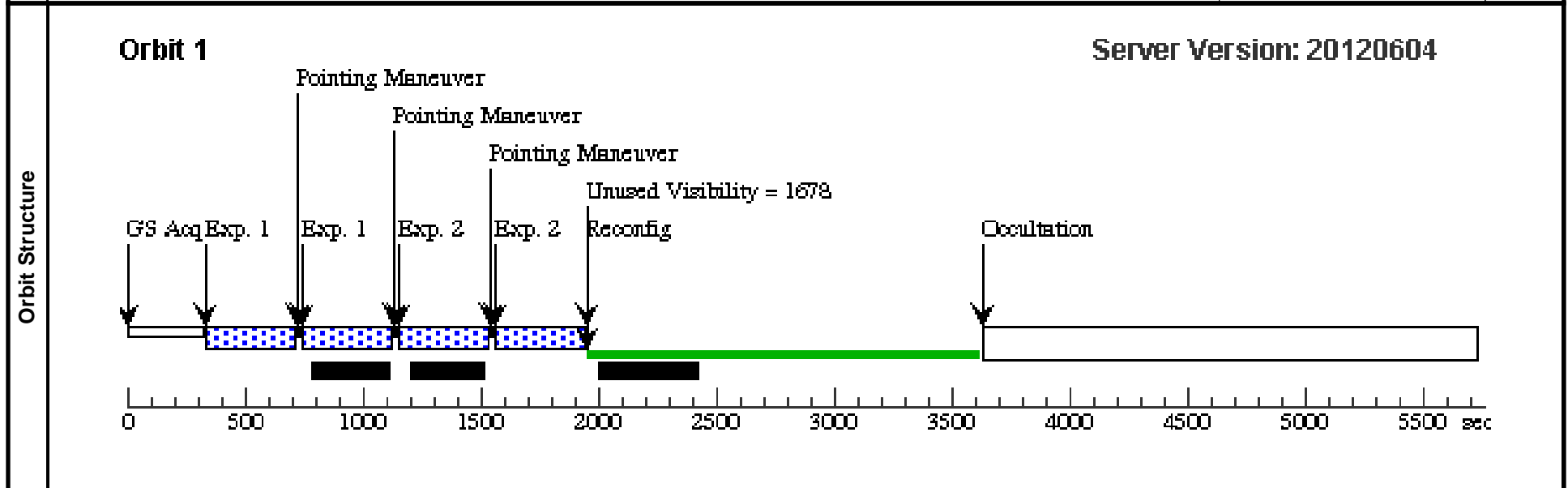
Wed Jul 11 01:25:32 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 11</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(39)	WISEJ0321-7348	RA: 03 21 20.9100 (50.3371250d) Dec: -73 47 58.80 (-73.79967d) Equinox: J2000		V=(?) H=19.06±0.12, W2=15.60±0.08, W1-W2 >3.59	Reference Frame: ICRS
	<i>Comments: T8 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(39) WISEJ0321-7348	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 11 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(39) WISEJ0321-7348	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 11 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 12 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

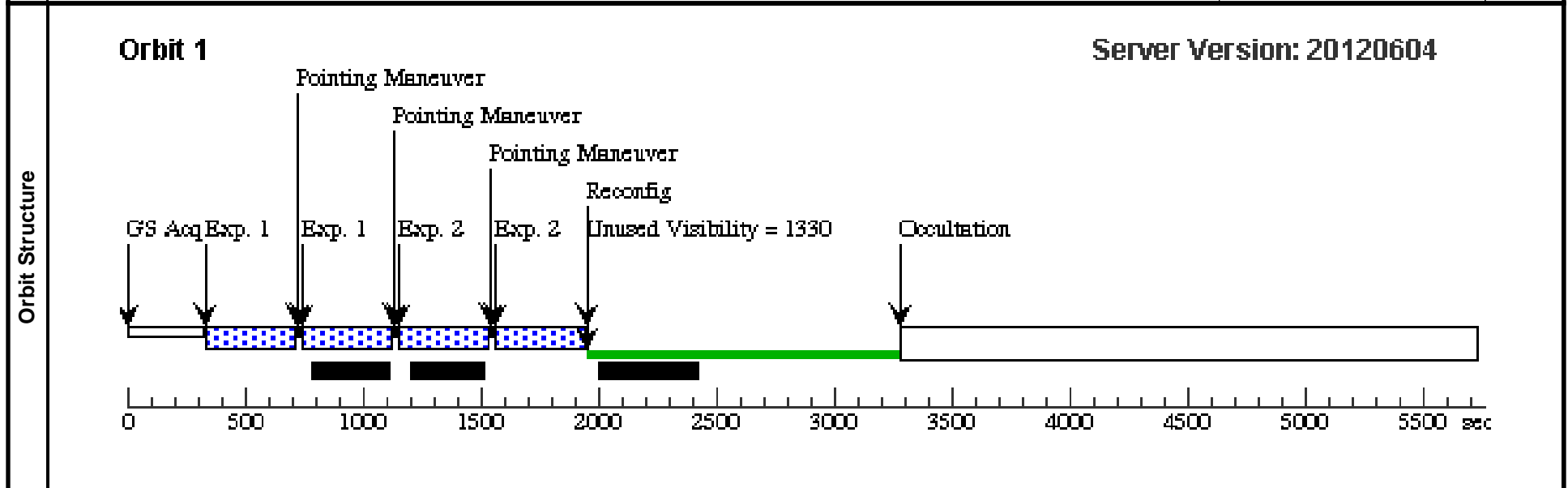
Wed Jul 11 01:25:33 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 12</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(40)	WISEPCJ1042-3842	RA: 10 42 45.2300 (160.6884583d) Dec: -38 42 38.30 (-38.71064d) Equinox: J2000		V=(?) H=19.08±0.11, W2=14.52±0.06, W1-W2>4.06	Reference Frame: ICRS
	<i>Comments: T8 2011 Kirkpatrick+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(40) WISEPCJ1042-3842	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 12 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(40) WISEPCJ1042-3842	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 12 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 12873 - Visit 13 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

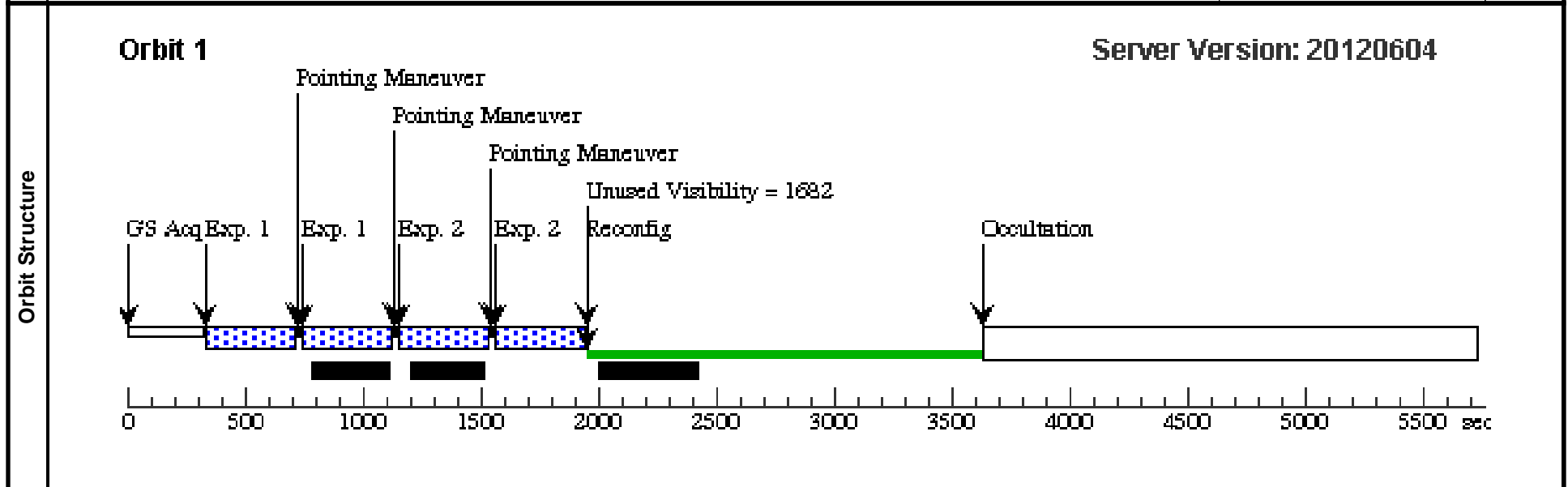
Wed Jul 11 01:25:34 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 13</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(41)	WISEPAJ2313-8037	RA: 23 13 36.3800 (348.4015833d) Dec: -80 37 0.20 (-80.61672d) Equinox: J2000		V=(?) H=17.28±0.14, W2=13.64±0.03, W1-W2=2.65±0.07	Reference Frame: ICRS
	<i>Comments: T8 2011 Burgasser+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(41) WISEPAJ2313-8037	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50; NSAMP=12		Pattern 1, Exps 1-1 in Visit 13 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(41) WISEPAJ2313-8037	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 13 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 14 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

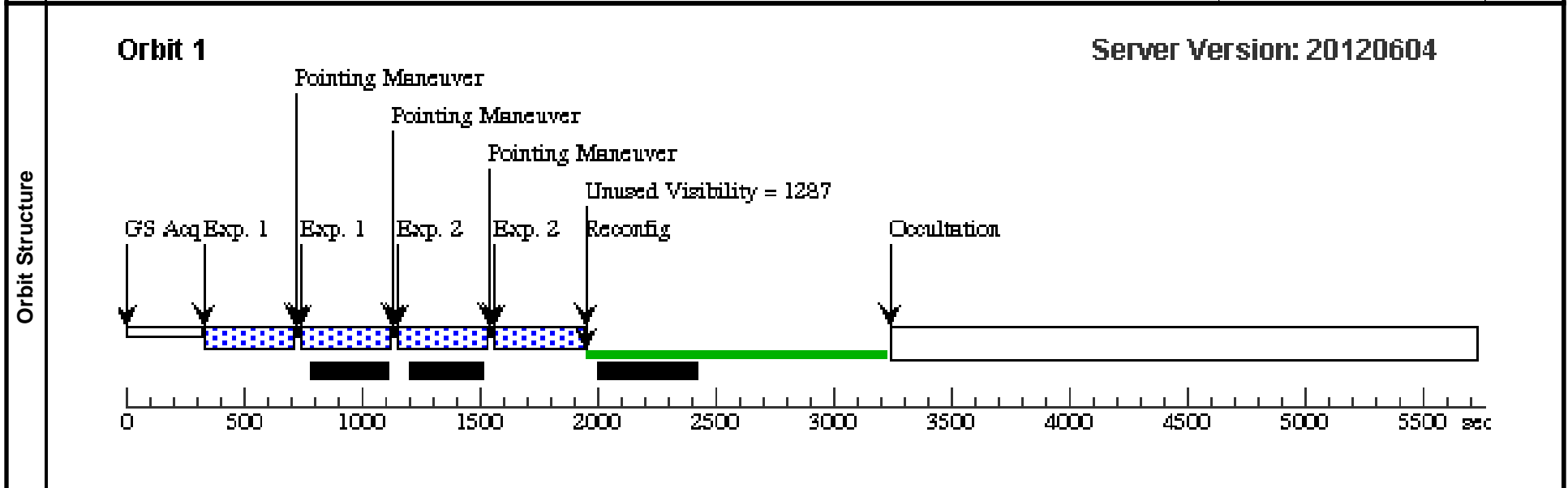
Wed Jul 11 01:25:34 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 14</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(43)	WISEJ1051-2139	RA: 10 51 30.0100 (162.8750417d) Dec: -21 38 59.70 (-21.64992d) Equinox: J2000		V=(?) H=19.19±0.39, W2=14.54±0.06, W1-W2=2.63±0.18	Reference Frame: ICRS
	<i>Comments: T9 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(43) WISEJ1051-2139	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 14 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(43) WISEJ1051-2139	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 14 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 15 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

Wed Jul 11 01:25:35 GMT 2012

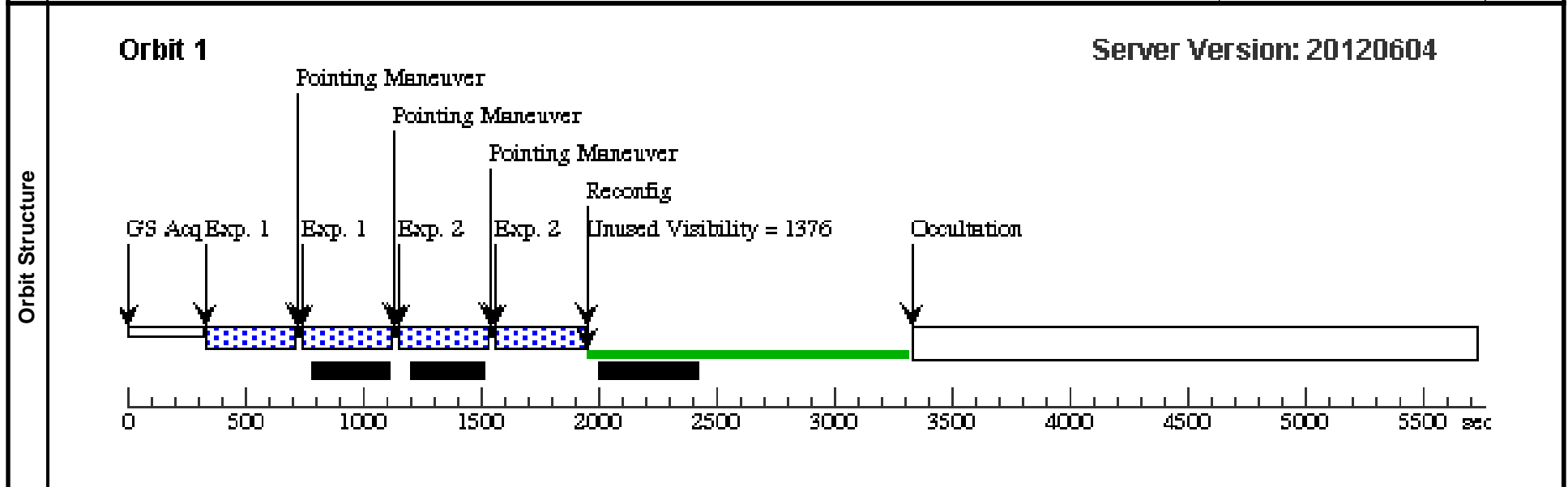
<b>Visit</b>	<b>Proposal 12873, Visit 15</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(45)	WISEJ2332-4325	RA: 23 32 26.4900 (353.1103750d) Dec: -43 25 10.60 (-43.41961d) Equinox: J2000		V=(?) H=19.40±0.18, W2=14.99±0.09, W1-W2 >2.89	Reference Frame: ICRS

*Comments: T9 2012 Tinney+*

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(45) WISEJ2332-4325 5	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=12		Pattern 1, Exps 1-1 in Visit 15 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
2		(45) WISEJ2332-4325 5	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 in Visit 15 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 12873 - Visit 16 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

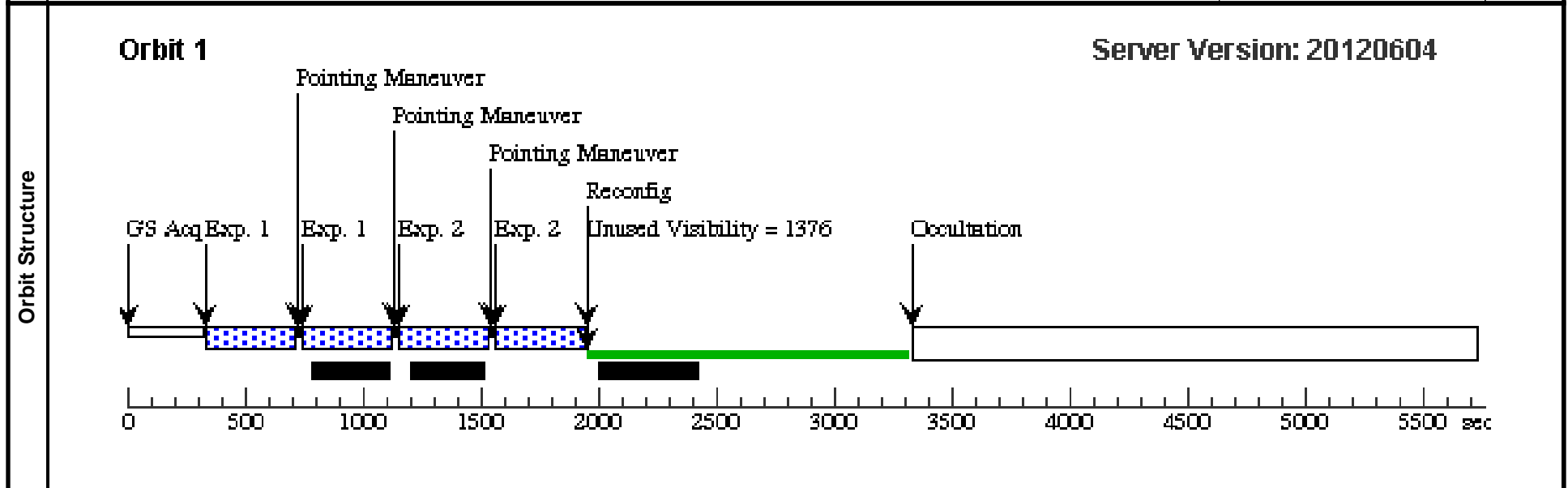
Wed Jul 11 01:25:36 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 16</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(47)	WISEJ0812+4021	RA: 08 12 20.0400 (123.0835000d) Dec: +40 21 6.20 (40.35172d) Equinox: J2000		V=(?) H=18.30±0.20, W2=15.08±0.10, W1-W2=3.16±0.48	Reference Frame: ICRS
	<i>Comments: T8 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(47) WISEJ0812+4021	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 16 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(47) WISEJ0812+4021	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 16 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 17 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

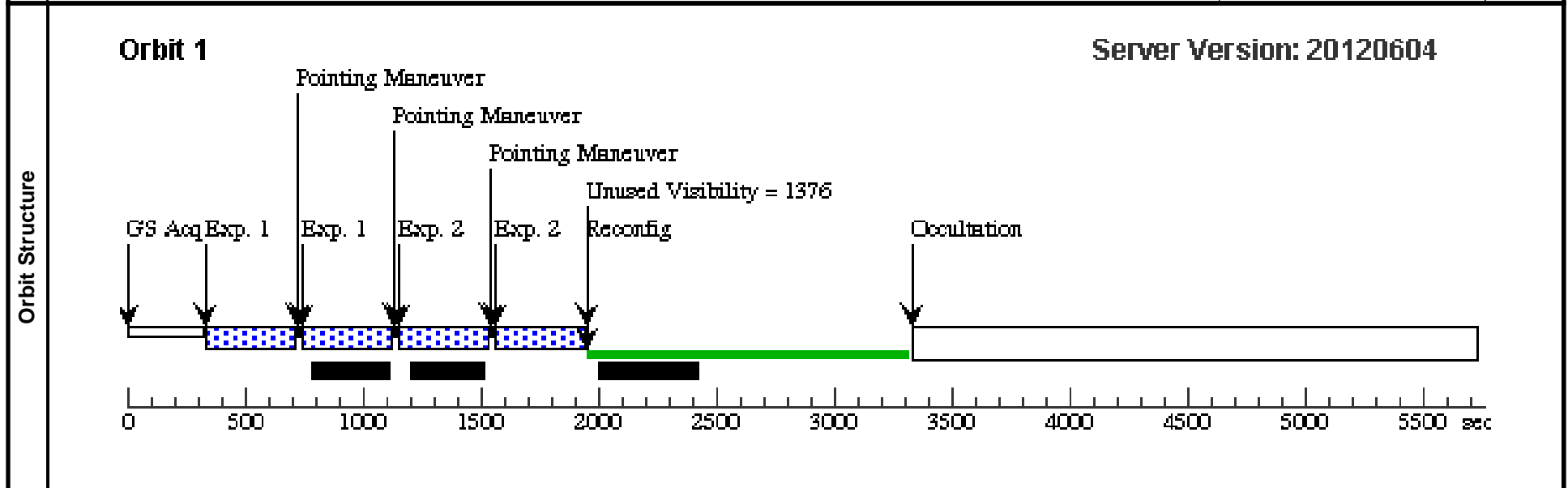
Wed Jul 11 01:25:37 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 17</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(50)	WISEJ0146+4234	RA: 01 46 56.6600 (26.7360833d) Dec: +42 34 10.00 (42.56944d) Equinox: J2000		V=(?) H=18.71±0.24, W2=15.08±0.07, W1-W2 >3.91	Reference Frame: ICRS
	<i>Comments: Y 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(50) WISEJ0146+4234	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 17 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(50) WISEJ0146+4234	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 17 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 18 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

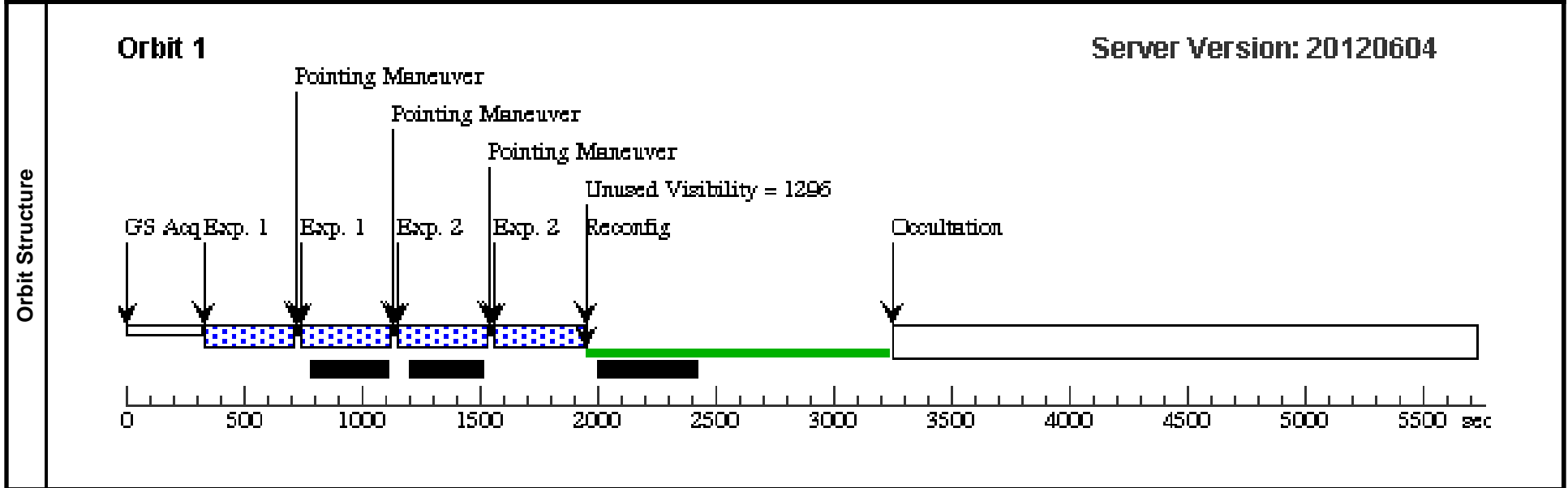
Wed Jul 11 01:25:38 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 18</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(52)	WISEJ0713-2917	RA: 07 13 22.5500 (108.3439583d) Dec: -29 17 51.90 (-29.29775d) Equinox: J2000		V=(?) W2=14.48±0.06, W1-W2 >3.87	Reference Frame: ICRS
	<i>Comments: Y 2012 Kirkpatrick+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(52) WISEJ0713-2917	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 in Visit 18 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(52) WISEJ0713-2917	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 in Visit 18 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 19 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

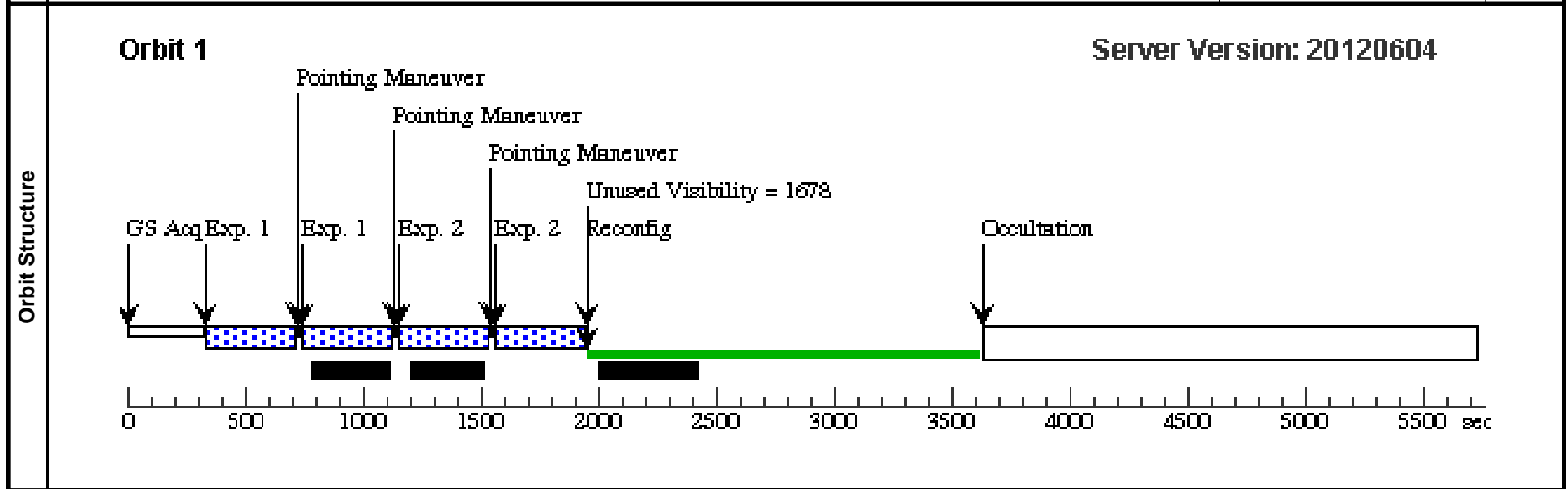
Wed Jul 11 01:25:38 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 19</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(53)	WISEJ0734-7157	RA: 07 34 44.0200 (113.6834167d) Dec: -71 57 44.00 (-71.96222d) Equinox: J2000		V=(?) W2=15.36±0.06, W1-W2 >4.06	Reference Frame: ICRS
	<i>Comments: Y 2012 Kirkpatrick+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(53) WISEJ0734-7157 7	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 i n Visit 19 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(53) WISEJ0734-7157 7	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 i n Visit 19 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 20 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

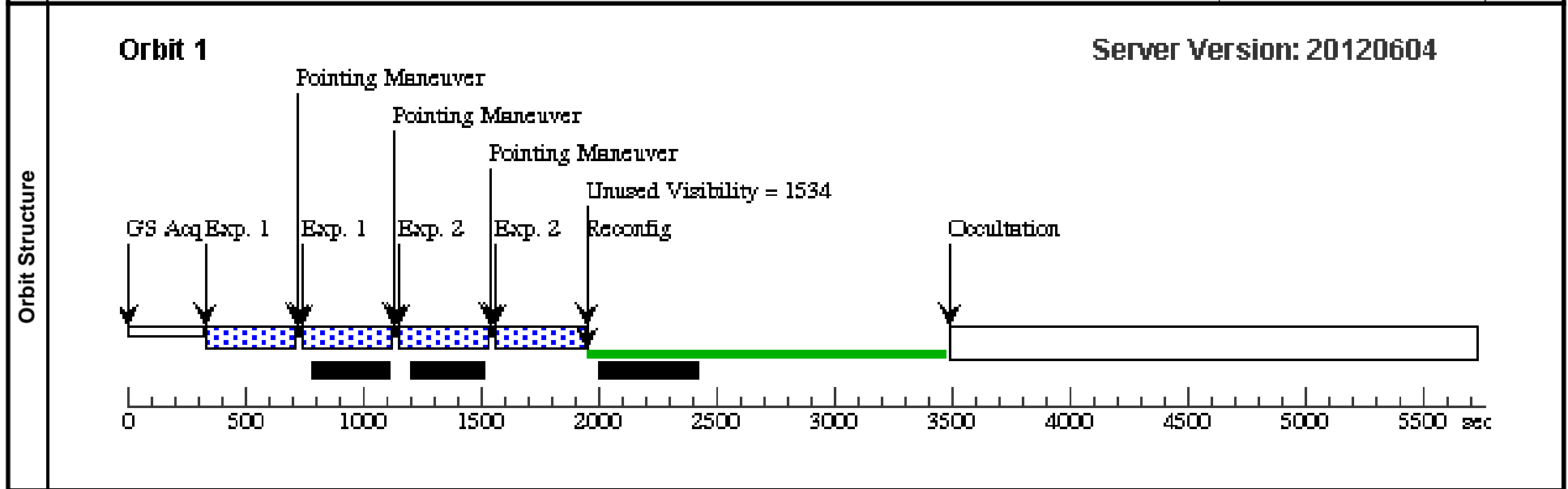
Wed Jul 11 01:25:39 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 20</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(54)	WISEPCJ1405+5534	RA: 14 05 18.3900 (211.3266250d) Dec: +55 34 21.30 (55.57258d) Equinox: J2000		V=(?) W2=14.10±0.04, W1-W2 >4.72	Reference Frame: ICRS
	<i>Comments: Y 2011 Kirkpatrick+ Cushing+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(54) WISEPCJ1405+5534	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 in Visit 20 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(54) WISEPCJ1405+5534	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 in Visit 20 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 21 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

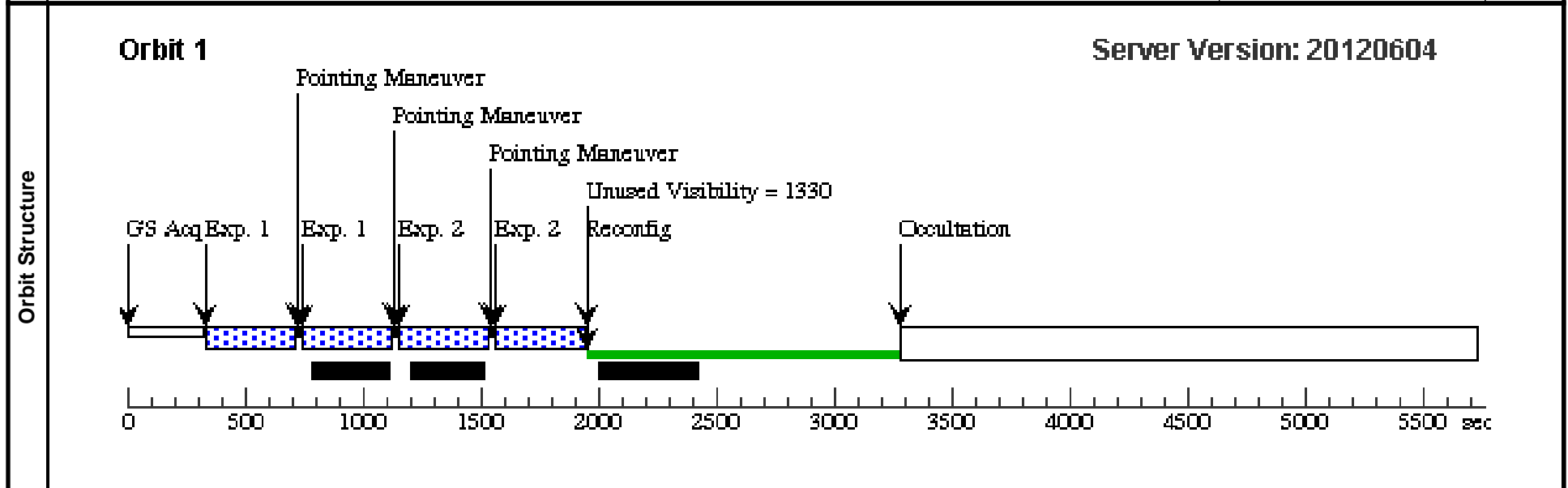
Wed Jul 11 01:25:40 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 21</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(56)	WISEJ2220-3628	RA: 22 20 55.3100 (335.2304583d) Dec: -36 28 17.40 (-36.47150d) Equinox: J2000		V=(?) H=20.81±0.30, W2=14.66±0.06, W1-W2 >3.99	Reference Frame: ICRS
	<i>Comments: Y 2012 Kirkpatrick+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(56) WISEJ2220-3628	WISEJ2220-3628	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 21 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	(56) WISEJ2220-3628	WISEJ2220-3628	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 21 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 22 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

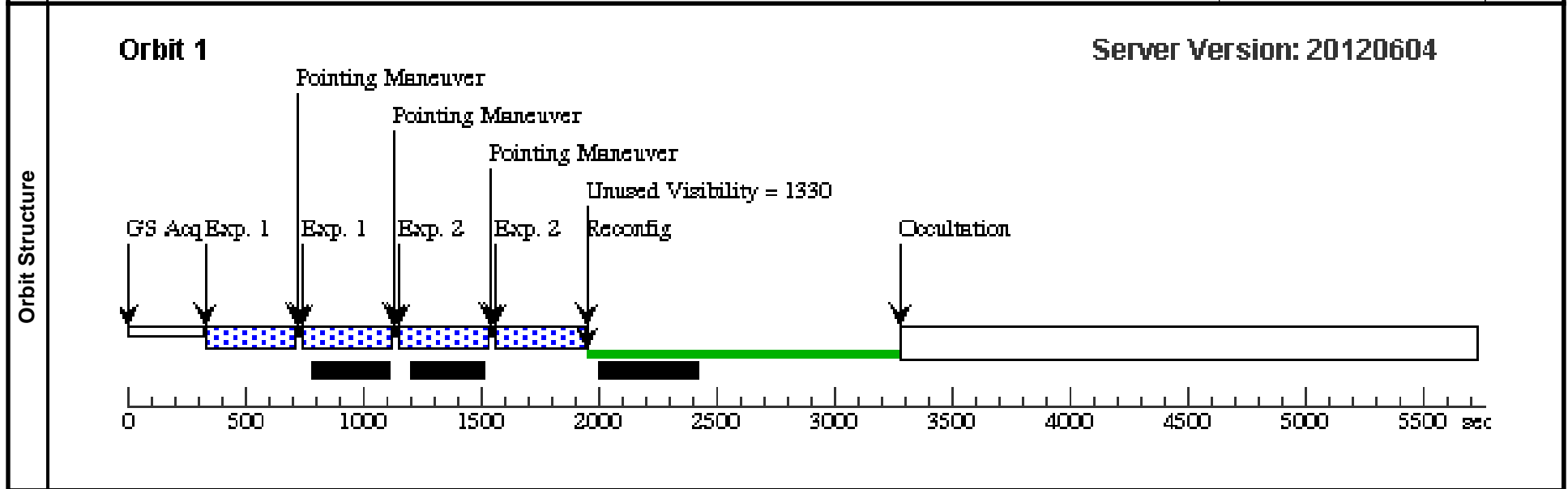
Wed Jul 11 01:25:41 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 22</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(57)	WISEJ0005+3737	RA: 00 05 17.4800 (1.3228333d) Dec: +37 37 20.50 (37.62236d) Equinox: J2000		V=(?) W2=13.27±0.03, W1-W2 = 3.61±0.12	Reference Frame: ICRS
<i>Comments: T9 2012 Mace+</i>						

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(57) WISEJ0005+3737	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 in Visit 22 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(57) WISEJ0005+3737	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 in Visit 22 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 23 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

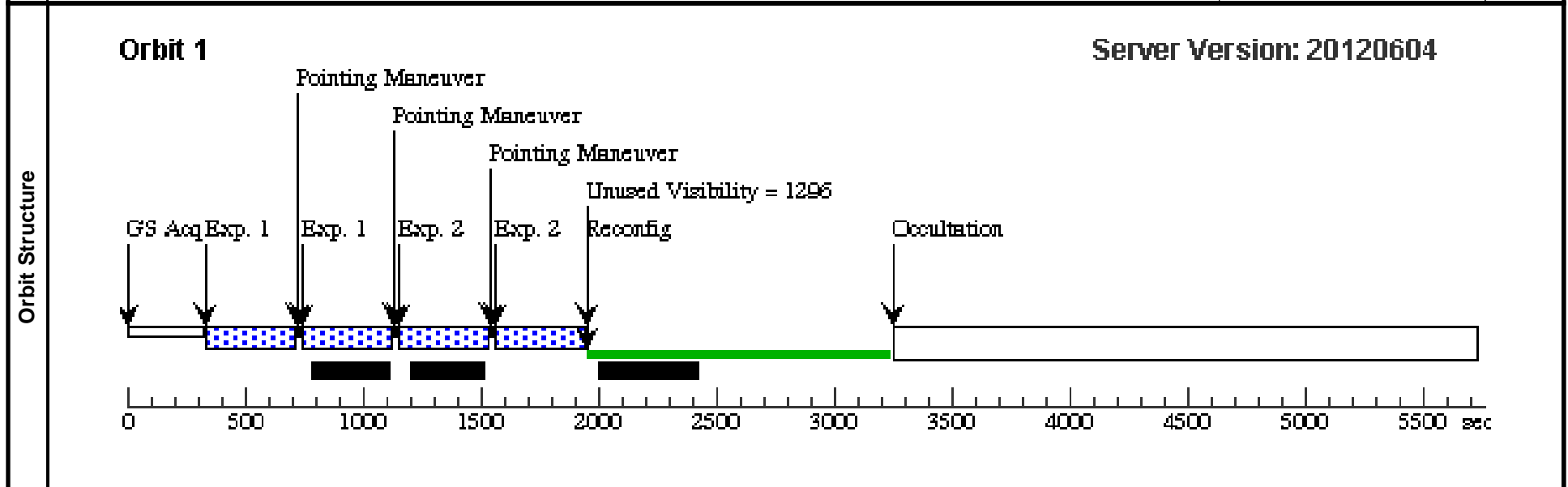
Wed Jul 11 01:25:41 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 23</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(58)	WISEJ0038+2758	RA: 00 38 29.0500 (9.6210417d) Dec: +27 58 52.10 (27.98114d) Equinox: J2000		V=(?) H=18.92±0.04, W2=14.38±0.05, W1-W2= 3.67±0.29	Reference Frame: ICRS
	<i>Comments: T9 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(58) WISEJ0038+2758	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 23 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(58) WISEJ0038+2758	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 23 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 24 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

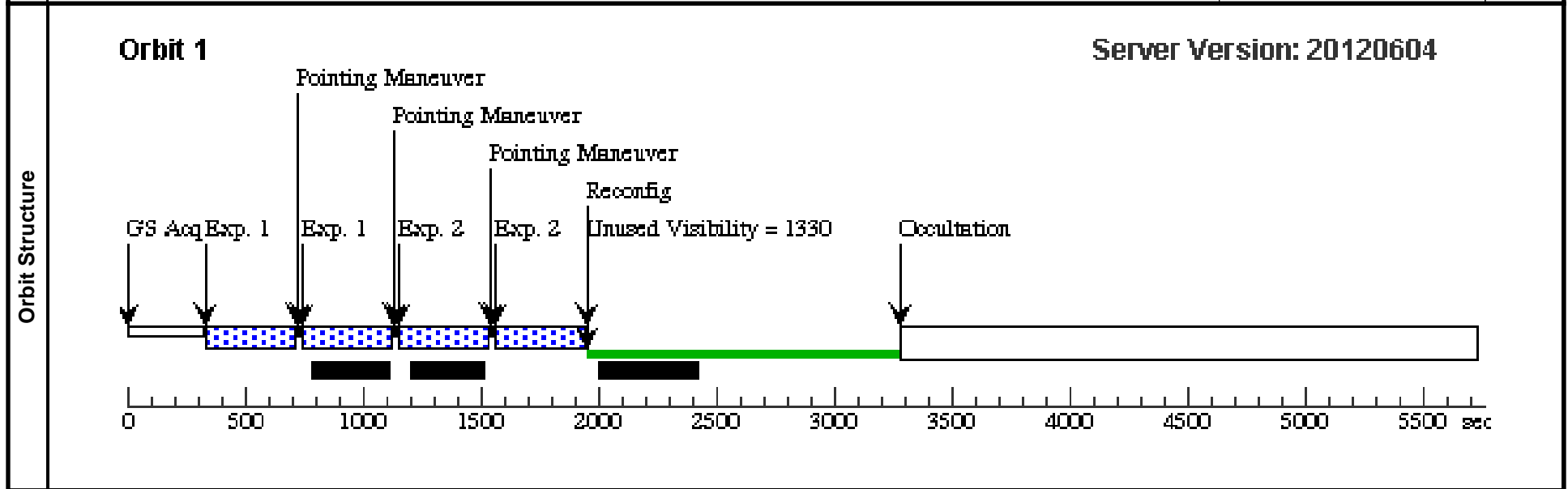
Wed Jul 11 01:25:42 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 24</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(59)	WISEJ0325-3854	RA: 03 25 17.6900 (51.3237083d) Dec: -38 54 54.10 (-38.91503d) Equinox: J2000		V=(?) W2=14.98±0.06, W1-W2=3.47±0.31	Reference Frame: ICRS
	<i>Comments: T9 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(59) WISEJ0325-3854	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 in Visit 24 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(59) WISEJ0325-3854	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 in Visit 24 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 25 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

Wed Jul 11 01:25:43 GMT 2012

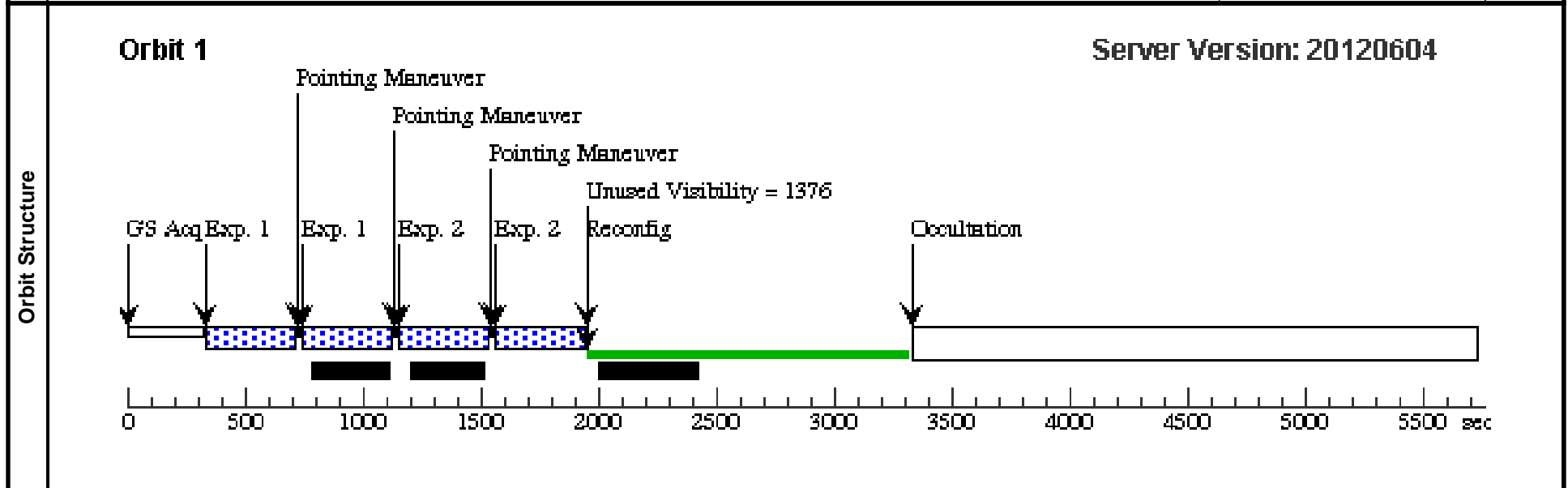
<b>Visit</b>	<b>Proposal 12873, Visit 25</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(60)	WISEJ0335+4310	RA: 03 35 15.0100 (53.8125417d) Dec: +43 10 45.10 (43.17919d) Equinox: J2000		V=(?) H=19.60±0.26, W2=14.60±0.08, W1-W2 >3.55	Reference Frame: ICRS

*Comments: T9 2012 Mace+*

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(60) WISEJ0335+4310	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 25 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
2		(60) WISEJ0335+4310	WFC3/IR, MULTIACCUM, IR	F139M	SAMP-SEQ=STEP50	NSAMP=12;	Pattern 1, Exps 2-2 in Visit 25 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 12873 - Visit 26 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

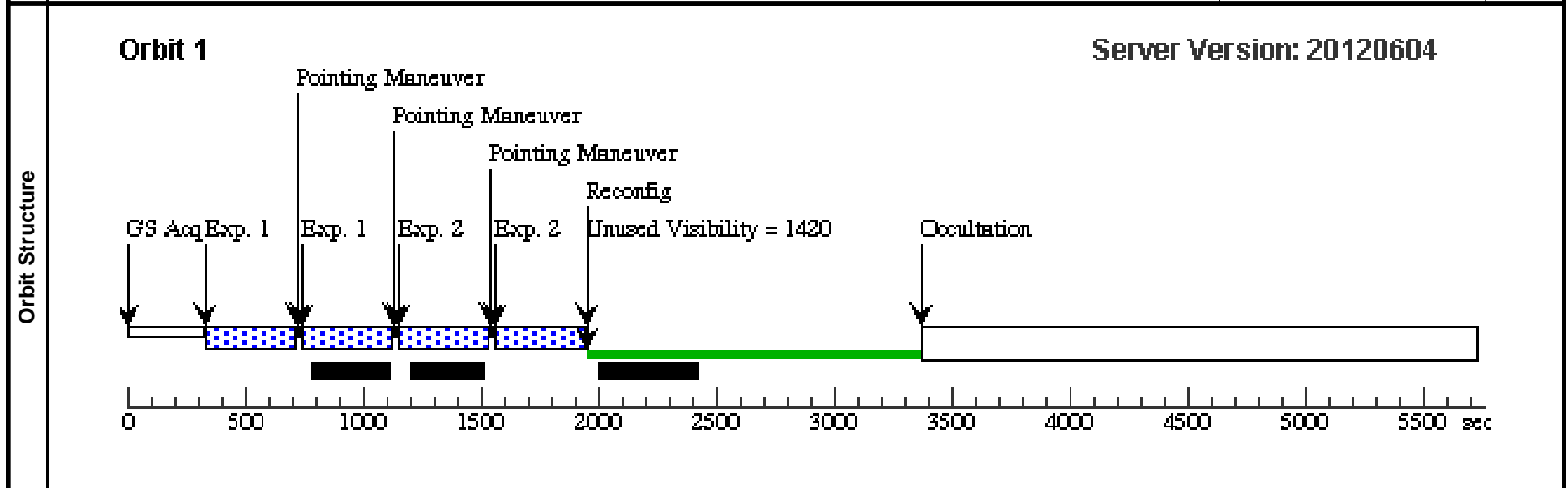
Wed Jul 11 01:25:44 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 26</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(61)	WISEJ0413-4750	RA: 04 13 58.1400 (63.4922500d) Dec: -47 50 39.30 (-47.84425d) Equinox: J2000		V=(?) H=20.12±0.20, W2=15.69±0.08, W1-W2 >3.70	Reference Frame: ICRS
	<i>Comments: T9 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(61) WISEJ0413-4750	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 26 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(61) WISEJ0413-4750	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 26 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 27 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

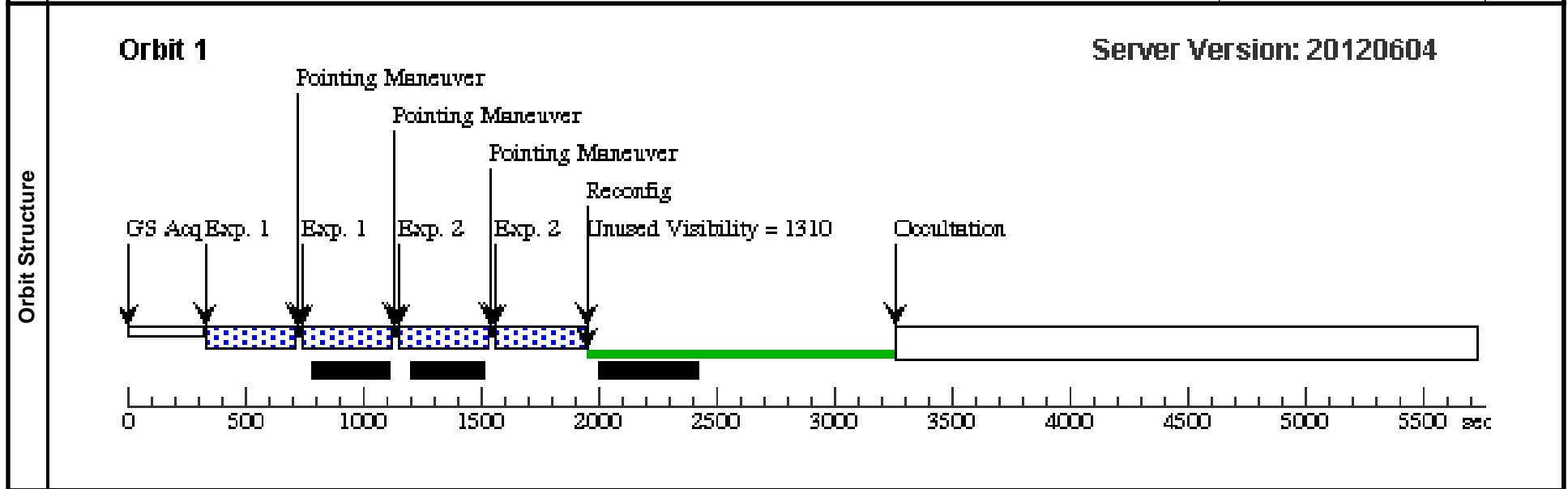
Wed Jul 11 01:25:44 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 27</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(62)	WISEJ0723+3403	RA: 07 23 12.4400 (110.8018333d) Dec: +34 03 13.50 (34.05375d) Equinox: J2000		V=(?) W2=14.73±0.08, W1-W2 >3.54	Reference Frame: ICRS
<i>Comments: T9 2012 Mace+</i>						

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(62) WISEJ0723+3403	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 27 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(62) WISEJ0723+3403	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 27 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 28 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

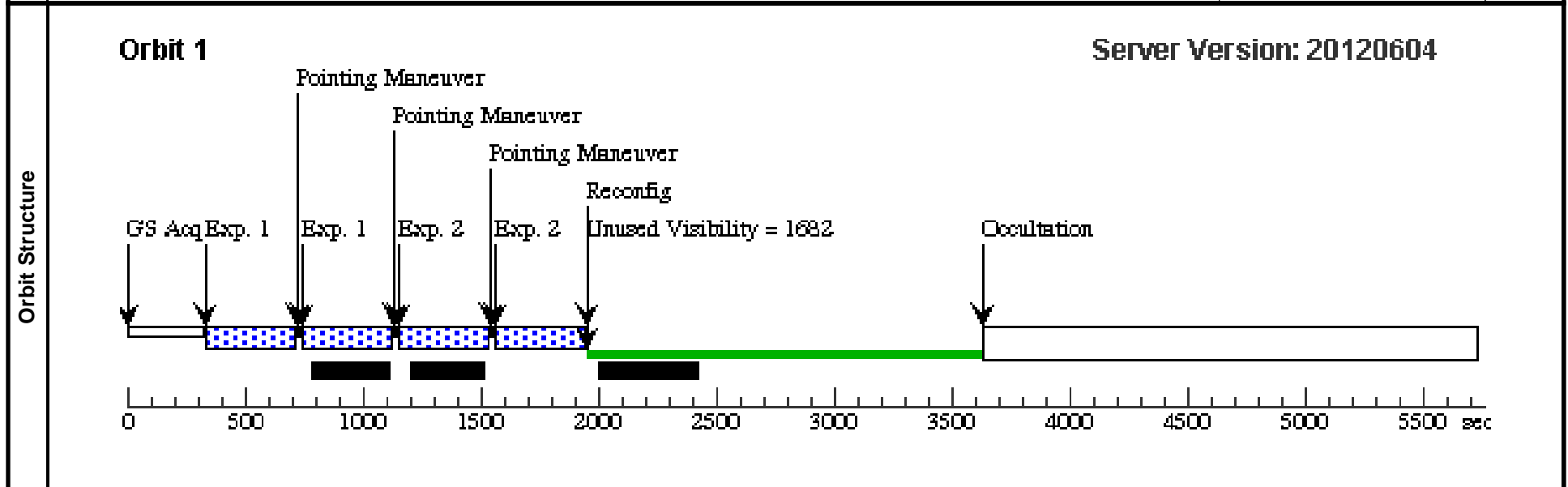
Wed Jul 11 01:25:45 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 28</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(63)	WISEJ0811-8051	RA: 08 11 17.8100 (122.8242083d) Dec: -80 51 41.30 (-80.86147d) Equinox: J2000		V=(?) H=19.88±0.21, W2=14.38±0.04, W1-W2=2.91±0.13	Reference Frame: ICRS
	<i>Comments: T9 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(63) WISEJ0811-8051	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 28 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(63) WISEJ0811-8051	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 28 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 29 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

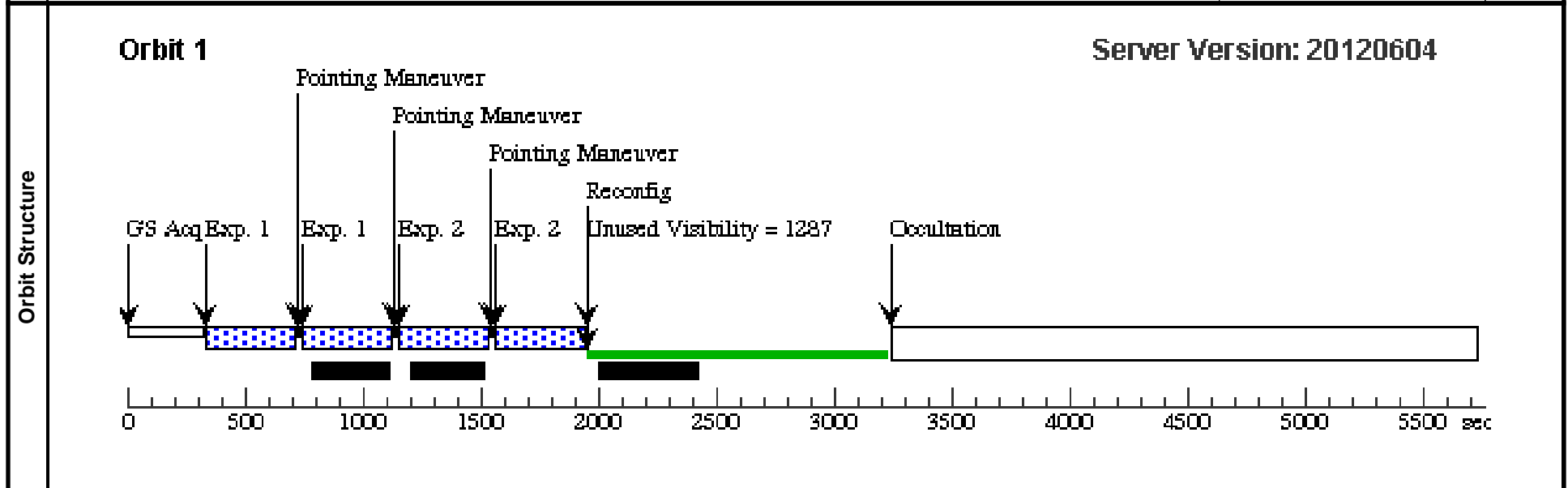
Wed Jul 11 01:25:46 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 29</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(64)	WISEJ1318-1758	RA: 13 18 33.9800 (199.6415833d) Dec: -17 58 26.50 (-17.97403d) Equinox: J2000		V=(?) H=17.71±0.23, W2=14.75±0.07, W1-W2=3.35±0.35	Reference Frame: ICRS
	<i>Comments: T9 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(64) WISEJ1318-1758	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 29 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(64) WISEJ1318-1758	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 29 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 30 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

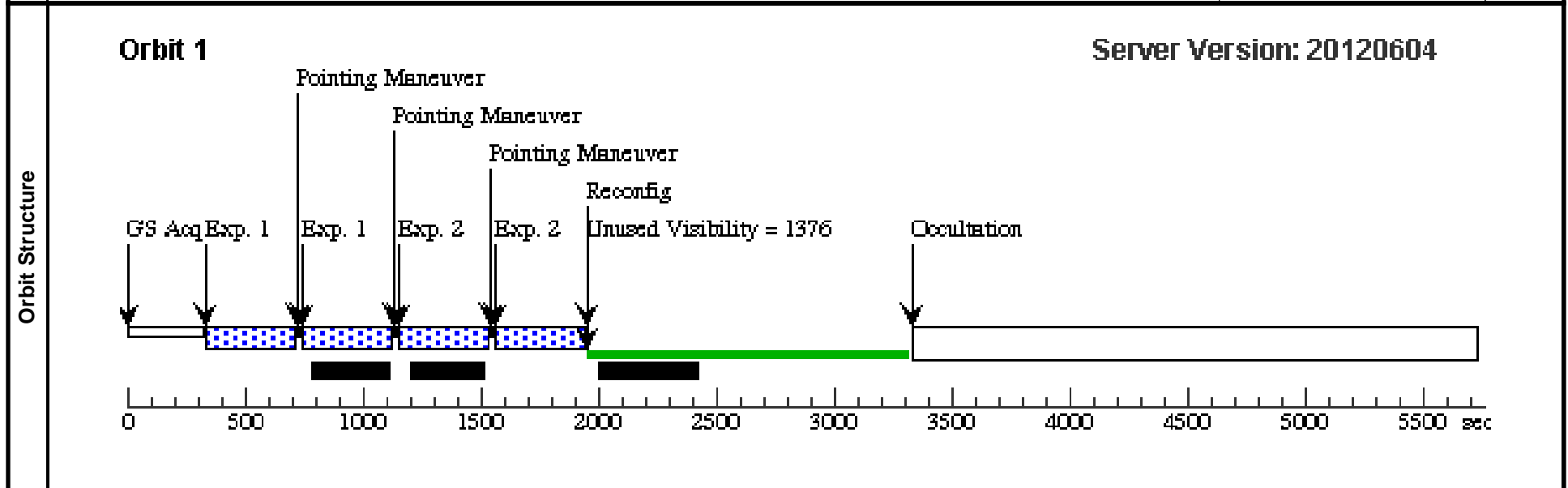
Wed Jul 11 01:25:46 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 30</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(65)	WISEJ2102-4429	RA: 21 02 0.1500 (315.5006250d) Dec: -44 29 19.50 (-44.48875d) Equinox: J2000		V=(?) H=18.39±0.12, W2=14.12±0.05, W1-W2=2.83±0.18	Reference Frame: ICRS
	<i>Comments: T9 2012 Tinney+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(65) WISEJ2102-4429	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 30 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(65) WISEJ2102-4429	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 30 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 31 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

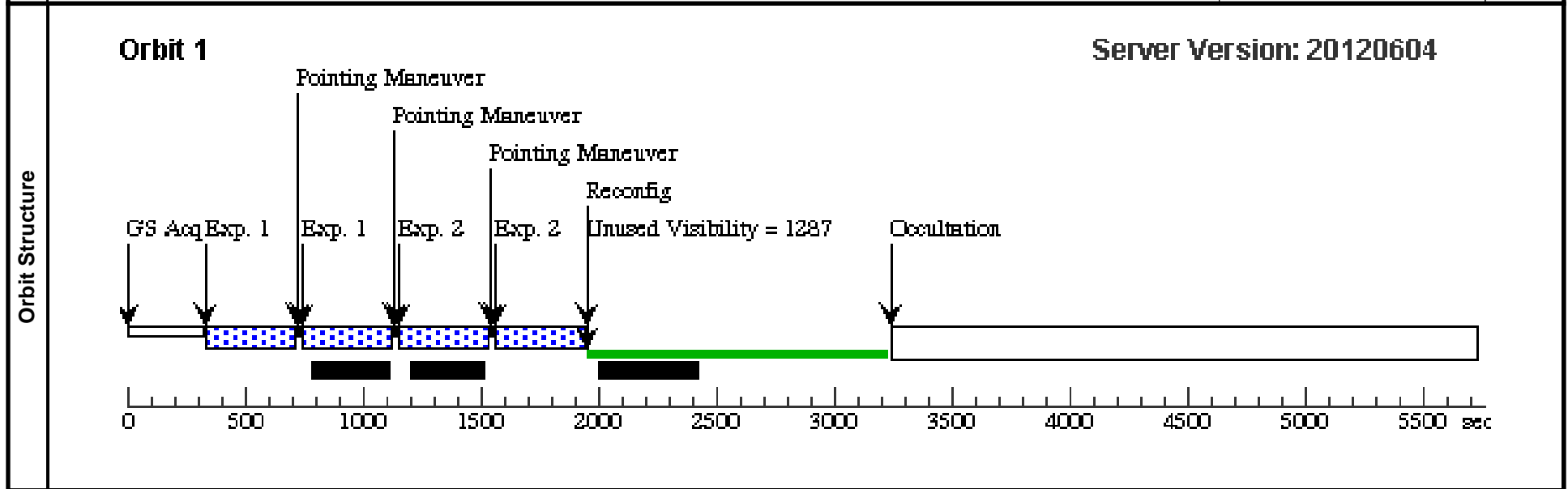
Wed Jul 11 01:25:47 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 31</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(66)	WISEJ0049+2151	RA: 00 49 45.6100 (12.4400417d) Dec: +21 51 20.00 (21.85556d) Equinox: J2000		V=(?) W2=12.97±0.03, W1-W2=2.50±0.05	Reference Frame: ICRS
	<i>Comments: T8.5 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(66) WISEJ0049+2151	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 in Visit 31 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(66) WISEJ0049+2151	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 in Visit 31 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 32 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

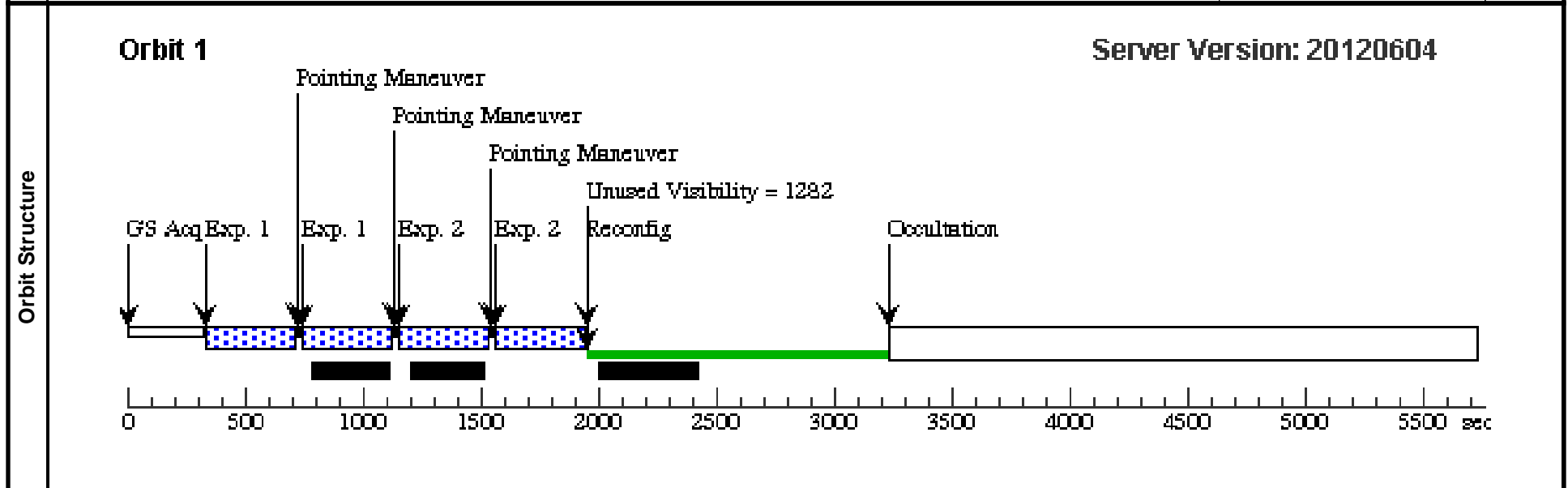
Wed Jul 11 01:25:48 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 32</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(67)	WISEJ2019-1148	RA: 20 19 20.7600 (304.8365000d) Dec: -11 48 7.60 (-11.80211d) Equinox: J2000		V=(?) H=18.32±0.11, W2=14.32±0.06, W1-W2=2.96±0.22	Reference Frame: ICRS
	<i>Comments: T8.5 2012 Mace+</i>					

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(67) WISEJ2019-1148	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP50;		Pattern 1, Exps 1-1 in Visit 32 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(67) WISEJ2019-1148	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP50		Pattern 1, Exps 2-2 in Visit 32 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]

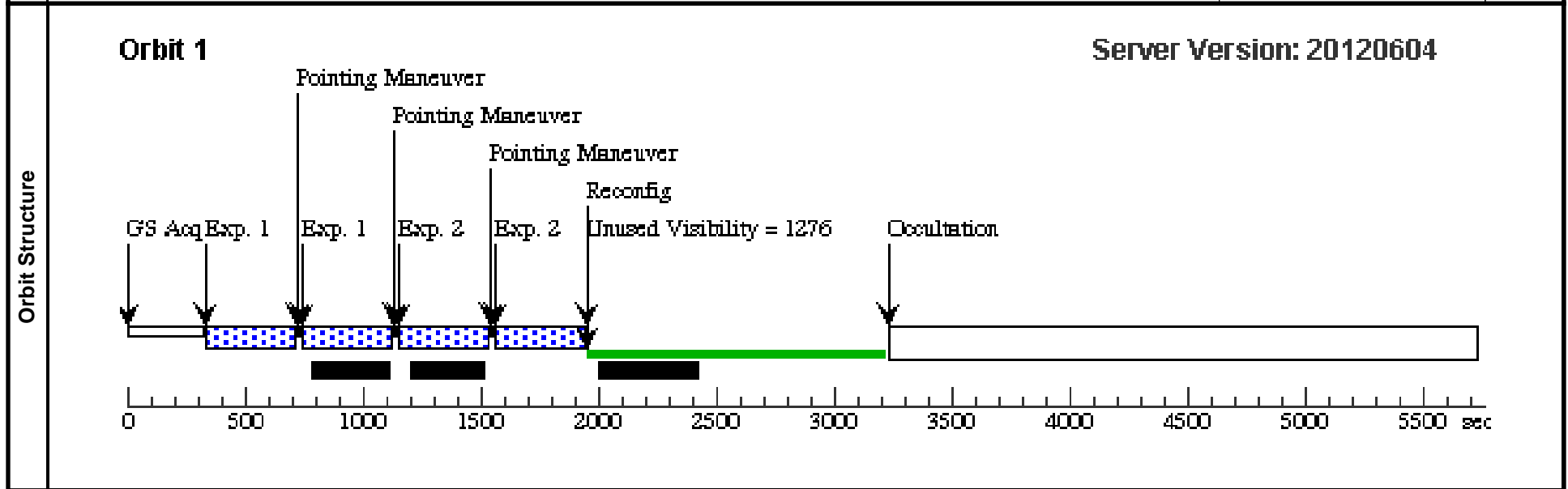


<b>Visit</b>	<b>Proposal 12873, Visit 33</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(68)	WISEJ1517+0529	RA: 15 17 21.1300 (229.3380417d) Dec: +05 29 29.30 (5.49147d) Equinox: J2000		V=(?) H=18.85±0.15, W2=15.13±0.08	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(68) WISEJ1517+0529	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0;		Pattern 1, Exps 1-1 in Visit 33 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2		(68) WISEJ1517+0529	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12; SAMP-SEQ=STEP5 0		Pattern 1, Exps 2-2 in Visit 33 (1)	[=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12873 - Visit 34 - Search for Planetary Mass Companions around the Coolest Brown Dwarfs

Wed Jul 11 01:25:49 GMT 2012

<b>Visit</b>	<b>Proposal 12873, Visit 34</b> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(69)	WISEJ024714.52	RA: 02 47 14.5200 (41.8105000d) Dec: +37 25 23.50 (37.42319d) Equinox: J2000		V=(?) H=18.24±0.19, W2=14.70±0.08	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(69) WISEJ024714.5	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5		Pattern 1, Exps 1-1 i	[=>(Pattern 1)]	[1]
	2		(69) WISEJ024714.5	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=12;		n Visit 34 (1)	[=>(Pattern 2)]	
	2		(69) WISEJ024714.5	WFC3/IR, MULTIACCUM, IR	F139M	SAMP-SEQ=STEP5		Pattern 1, Exps 2-2 i	[=>(Pattern 1)]	[1]
						0		n Visit 34 (1)	[=>(Pattern 2)]	

