



11666 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Cycle: 17, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Adam J. Burgasser (PI)	Massachusetts Institute of Technology	ajb@mit.edu
Dr. Michael C. Liu (CoI)	University of Hawaii	mliu@ifa.hawaii.edu
Ms. Dagny Looper (CoI)	University of Hawaii	dagny@ifa.hawaii.edu
Mr. Trent J. Dupuy (CoI)	University of Hawaii	tdupuy@ifa.hawaii.edu
Ms. Jackie Faherty (CoI)	State University of New York at Stony Brook	jfaherty@amnh.org
Dr. I. Neill Reid (CoI)	Space Telescope Science Institute	inr@stsci.edu
Dr. Michael J. Ireland (CoI)	California Institute of Technology	mireland@gps.caltech.edu

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) ULASJ003402.77-005206.7	WFC3/IR	1	04-Nov-2009 21:31:21.0	yes
02	(2) 2MASSJ07414920+2351275	WFC3/IR	1	04-Nov-2009 21:31:28.0	yes
03	(3) 2MASSJ00501994-3322402	WFC3/IR	1	04-Nov-2009 21:31:38.0	yes
04	(4) ULASJ123828.51+095351.3	WFC3/IR	1	04-Nov-2009 21:31:44.0	yes
05	(5) SDSSJ032553.17+042540.1	WFC3/IR	1	04-Nov-2009 21:31:49.0	yes
06	(6) 2MASSJ04070885+1514565	WFC3/IR	1	04-Nov-2009 21:31:55.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
07	(7) 2MASSJ05103520-4208140	WFC3/IR	1	04-Nov-2009 21:32:04.0	yes
08	(8) 2MASSJ0727182+171001	WFC3/IR	1	04-Nov-2009 21:32:10.0	yes
09	(9) 2MASSJ07290002-3954043	WFC3/IR	1	04-Nov-2009 21:32:16.0	yes
10	(10) HD3651B	WFC3/IR	1	04-Nov-2009 21:32:21.0	yes
11	(11) 2MASSJ22372056+7228351	WFC3/IR	1	04-Nov-2009 21:32:30.0	yes
12	(12) 2MASSJ09393548-2448279	WFC3/IR	1	04-Nov-2009 21:32:35.0	yes
13	(13) 2MASSJ10073369-4555147	WFC3/IR	1	04-Nov-2009 21:32:40.0	yes
14	(14) 2MASSJ11145133-2618235	WFC3/IR	1	04-Nov-2009 21:32:46.0	yes
15	(15) 2MASSJ12314753+0847331	WFC3/IR	1	04-Nov-2009 21:32:51.0	yes
16	(16) SDSSPJ134646.45-003150.4	WFC3/IR	1	04-Nov-2009 21:33:00.0	yes
17	(17) SDSSJ150411.63+102718.4	WFC3/IR	1	04-Nov-2009 21:33:05.0	yes
18	(18) SDSSJ125011.65+392553.9	WFC3/IR	1	04-Nov-2009 21:33:10.0	yes
19	(19) SDSSJ162838.77+230821.1	WFC3/IR	1	04-Nov-2009 21:33:15.0	yes
20	(21) 2MASSJ1754544+1649200	WFC3/IR	1	04-Nov-2009 21:33:20.0	yes
21	(22) SDSSJ175805.46+463311.9	WFC3/IR	1	04-Nov-2009 21:33:28.0	yes
22	(23) 2MASSJ18283572-4849046	WFC3/IR	1	04-Nov-2009 21:33:33.0	yes
72	(23) 2MASSJ18283572-4849046	WFC3/IR	1	04-Nov-2009 21:33:38.0	yes
23	(24) 2MASSJ19010601+4718136	WFC3/IR	1	04-Nov-2009 21:33:43.0	yes
24	(25) SDSSJ212413.89+010000.3	WFC3/IR	1	04-Nov-2009 21:33:52.0	yes
25	(26) 2MASSJ21543318+5942187	WFC3/IR	1	04-Nov-2009 21:33:56.0	yes
26	(27) 2MASSJ23312378-4718274	WFC3/IR	1	04-Nov-2009 21:34:01.0	yes
27	(28) 2MASSJ23594033-7335053	WFC3/IR	1	04-Nov-2009 21:34:06.0	yes

28 Total Orbits Used

ABSTRACT

We propose to use HST/NICMOS to image a sample of 27 of the nearest (< 20 pc) and lowest luminosity T-type brown dwarfs in order to identify and characterize new very low mass binary systems. Only 3 late-type T dwarf binaries have been found to date, despite the fact that these systems are critical benchmarks for evolutionary and atmospheric models at the lowest masses. They are also the most likely systems to harbor Y dwarf companions, an as yet unpopulated putative class of very cold ($T < 600$ K) brown dwarfs. Our proposed program will more than double the number of T5-T9 dwarfs imaged at high resolution, with an anticipated yield of ~ 5 new binaries with initial characterization of component spectral types. We will be able to probe separations sufficient to identify systems suitable for astrometric orbit and dynamical mass measurements. We also expect one of our discoveries to contain the first Y-type brown dwarf. Our proposed program complements and augments ongoing ground-based adaptive optics surveys and provides pathway science for JWST.

OBSERVING DESCRIPTION

We will obtain NICMOS NIC1 images of each T dwarf target using the F110W and F170M filters, which sample the spectral flux peak and 1.6 micron CH₄ absorption band, respectively. F110W-F170M has been shown to be an excellent discriminator of spectral type for late-type T dwarfs. Sources will be observed for total integrations of ~ 900 s and ~ 1500 s in F110W and F170M, respectively, in a single orbit visit. Total integrations will be broken into multiaccum exposures with 3-6 dither positions ($1''3$ throw) in order to minimize the influence of bad pixels and enable sub-sampling of the PSF. Remaining visibility in each orbit will be used to obtain a short F090M exposure for background source discrimination (as described in the Experimental Design). Two sources (ULAS 0034-0052 and ULAS 1238+0953) will be observed in two orbits in order to probe deeper on these intrinsically fainter objects.

Note that we have made the following substitutions in the Phase II program, which have been approved by the TTRB (Program Change Request no. 1518):

Removed:

CFBDS 0059-0114 (2 orbits): Delorme et al. (2008) have obtained LGS AO observations of this source for which our HST observations would not

add significantly in depth

2MASS 0034+0523 (1 orbit): Co-I Liu has since acquired improved LGS AO observations of this source for which our HST observations would not add significantly in depth

SDSS 1615+1340 (1 orbit): Co-I Liu has since acquired improved LGS AO observations of this source for which our HST observations would not add significantly in depth

Added:

ULAS 1238+0953 (T8.5, 2 orbits): Recently published in Buringham et al. (2008), cannot be done with LGS AO

SDSS 0741+2351 (T5.5, 1 orbit): very poor LGS AO data obtained by Co-I Liu

SDSS 1250+3925 (T4, 1 orbit): cannot be done with LGS AO

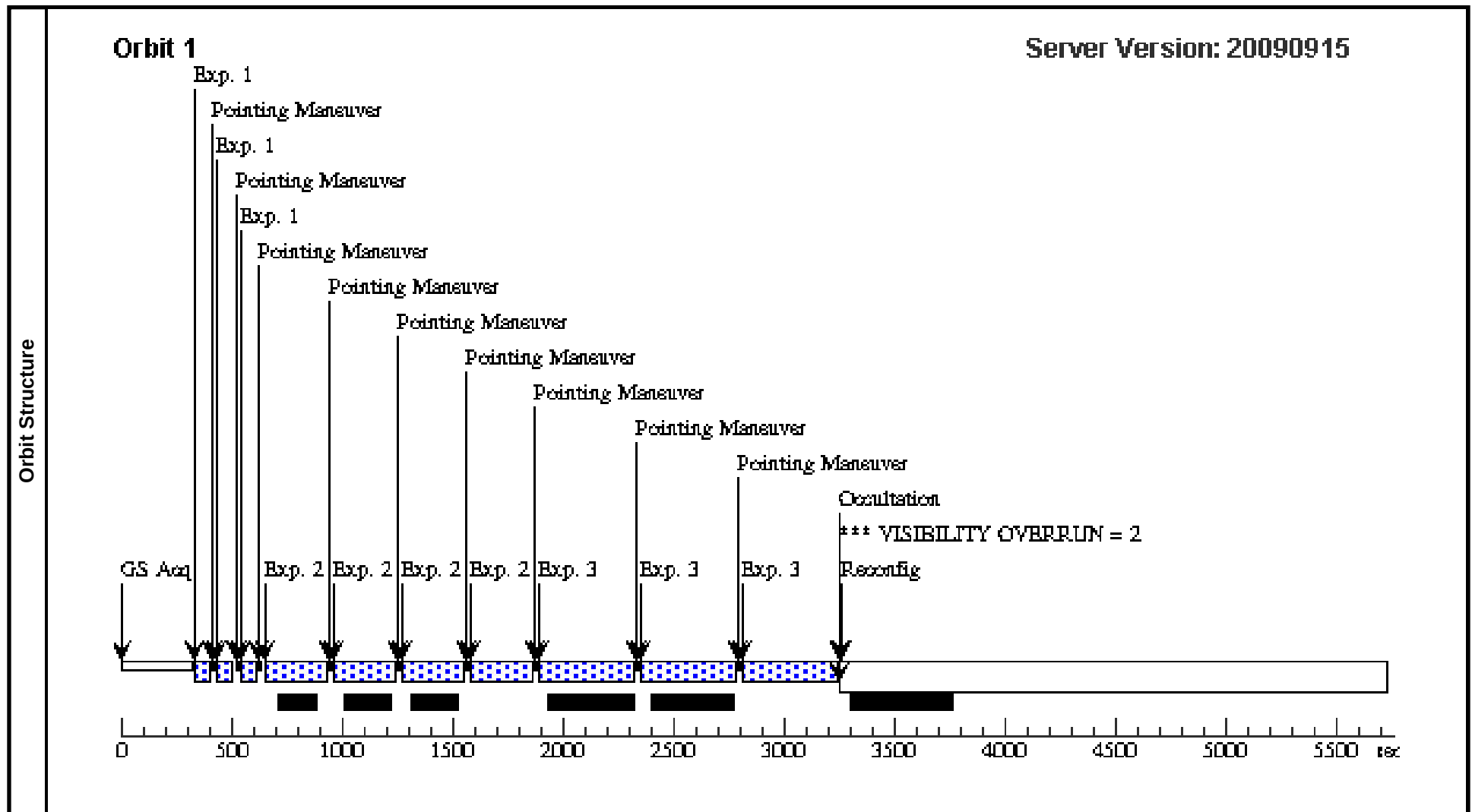
Note that we have not yet acquired a proper motion measurement of 2MASS 2237+7228; we will attempt to obtain this prior to the scheduled observations.

Proposal 11666 - Visit 01 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 01, scheduling					Thu Nov 05 02:34:14 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1), (3)			
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	ULASJ003402.77-005206.7	RA: 00 34 2.7700 (8.5115417d) Dec: -00 52 6.70 (-.86853d) Equinox: J2000	Proper Motion RA: -0.008000919s/yr Proper Motion Dec: -0.35"/yr Epoch of Position: 2005.8	V=(?) J=18.14; SpT=T8.5; d=19	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) ULASJ003402.77-005206.7	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(1) ULASJ003402.77-005206.7	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(1) ULASJ003402.77-005206.7	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]

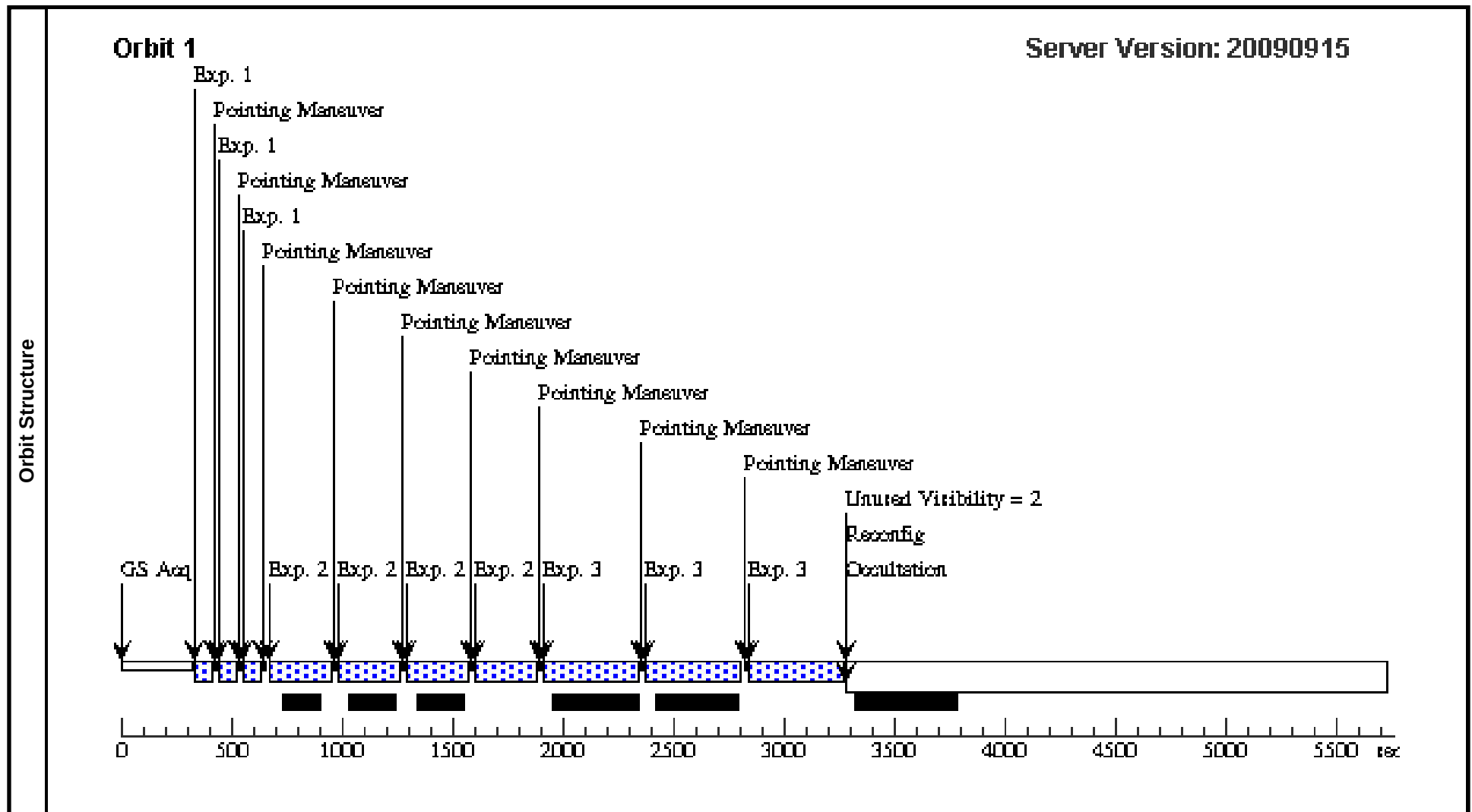
Proposal 11666 - Visit 02 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 02, scheduling										Thu Nov 05 02:34:14 GMT 2009
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(Visit 02) Warning (Orbit Planner): VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	2MASSJ07414920+2351275	RA: 07 41 49.2000 (115.4550000d) Dec: +23 51 27.50 (23.85764d) Equinox: J2000		Proper Motion RA: -0.01771s/yr Proper Motion Dec: -0.143"/yr Epoch of Position: 1997.92		V=(?) J=16.16; SpT=T5; d=20		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(2) 2MASSJ07414920+2351275	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(2) 2MASSJ07414920+2351275	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3		(2) 2MASSJ07414920+2351275	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



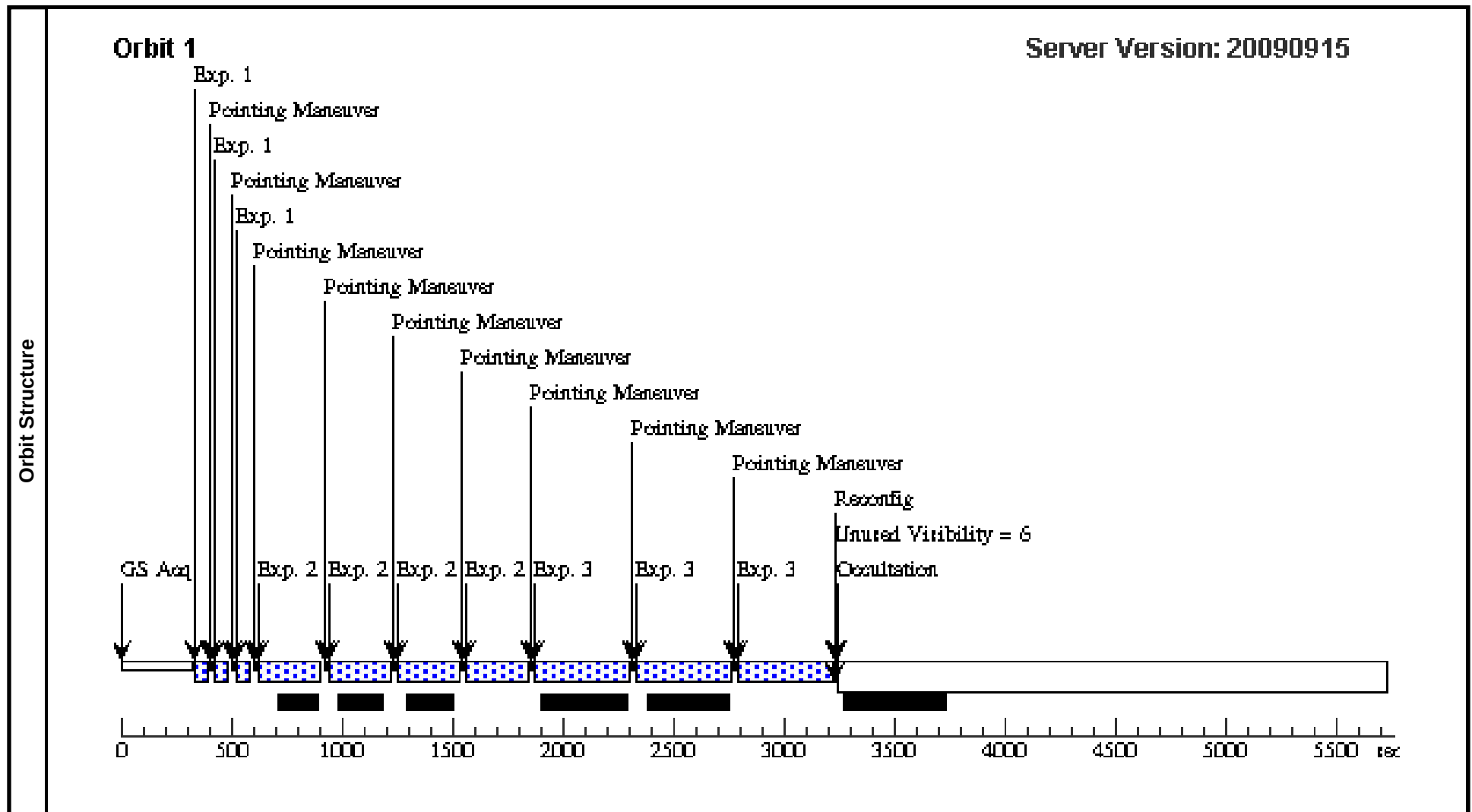
Proposal 11666 - Visit 03 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 03, scheduling					Thu Nov 05 02:34:15 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	2MASSJ00501994-3322402	RA: 00 50 19.9300 (12.5830417d) Dec: -33 22 40.19 (-33.37783d) Equinox: J2000	Proper Motion RA: 0.001437021s/yr Proper Motion Dec: -0.085"/yr Epoch of Position: 1999.04	V=(?) J=15.93; SpT=T7; d=9	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) 2MASSJ00501994-3322402	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(3) 2MASSJ00501994-3322402	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(3) 2MASSJ00501994-3322402	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



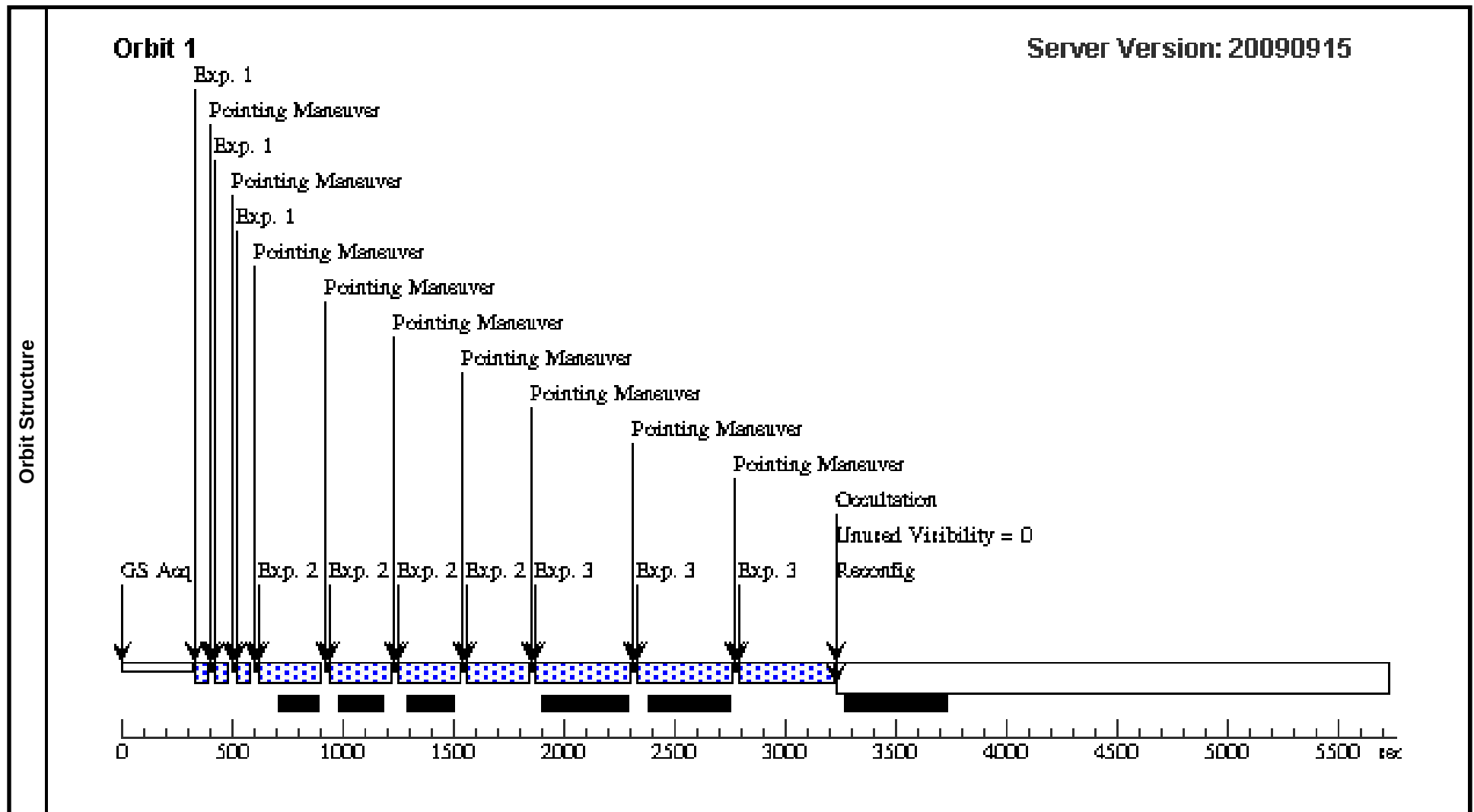
Proposal 11666 - Visit 04 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 04, scheduling Thu Nov 05 02:34:16 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(4)	ULASJ123828.51+095351.3	RA: 12 38 28.5100 (189.6187917d) Dec: +09 53 51.30 (9.89758d) Equinox: J2000		Proper Motion RA: 0.0284s/yr Proper Motion Dec: 0.02"/yr Epoch of Position: 2007.12		V=(?) J=18.78; SpT=T8.5; d=20		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) ULASJ123828.51+095351.3	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(4) ULASJ123828.51+095351.3	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(4) ULASJ123828.51+095351.3	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



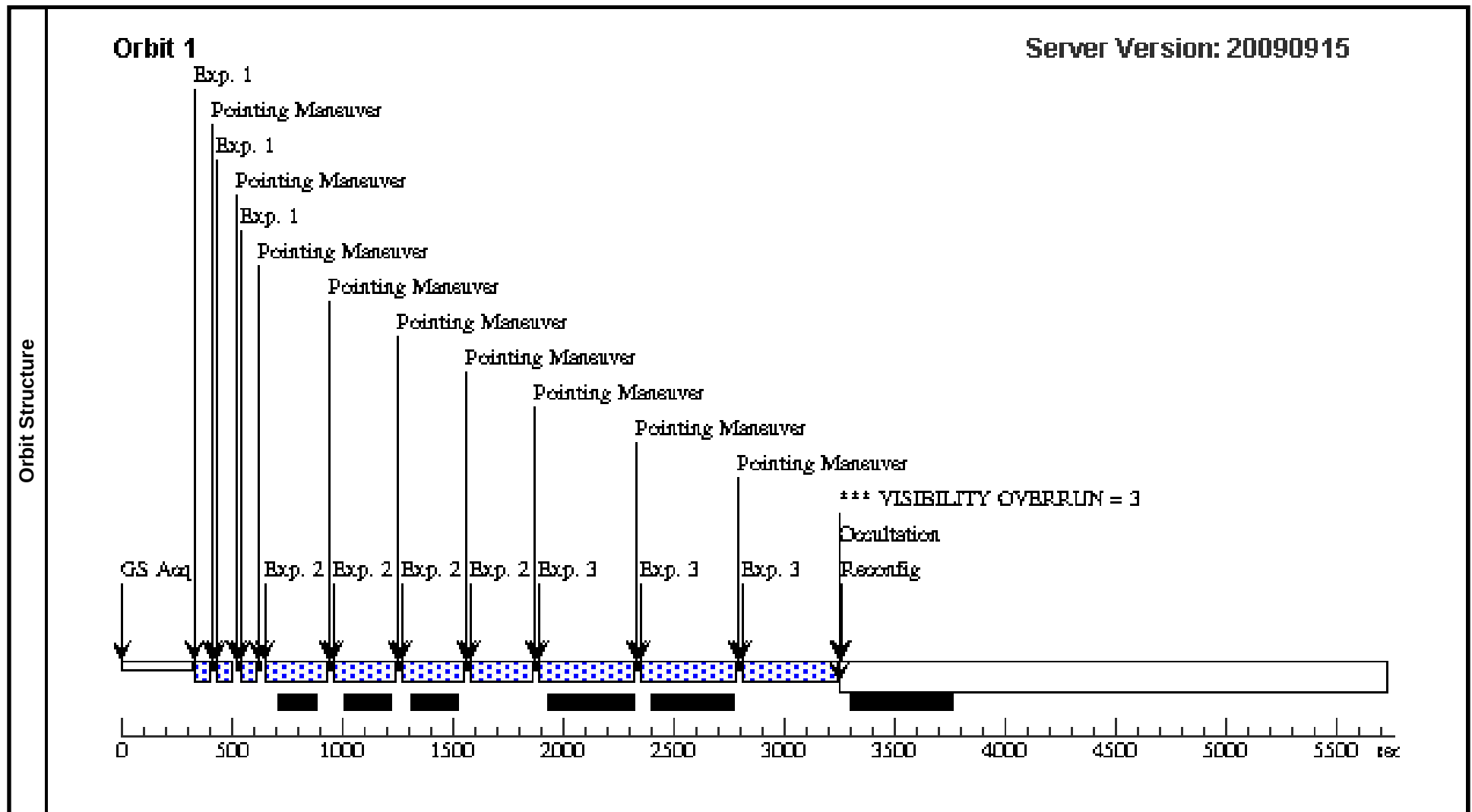
Proposal 11666 - Visit 05 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 05, scheduling Thu Nov 05 02:34:16 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(5)	SDSSJ032553.17+042540.1	RA: 03 25 53.2200 (51.4717500d) Dec: +04 25 40.59 (4.42794d) Equinox: J2000		Proper Motion RA: -0.012236526s/yr Proper Motion Dec: -0.099"/yr Epoch of Position: 2000.22		V=(?) J=16.25; SpT=T5.5; d=16		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SDSSJ032553.17+042540.1	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(5) SDSSJ032553.17+042540.1	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(5) SDSSJ032553.17+042540.1	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



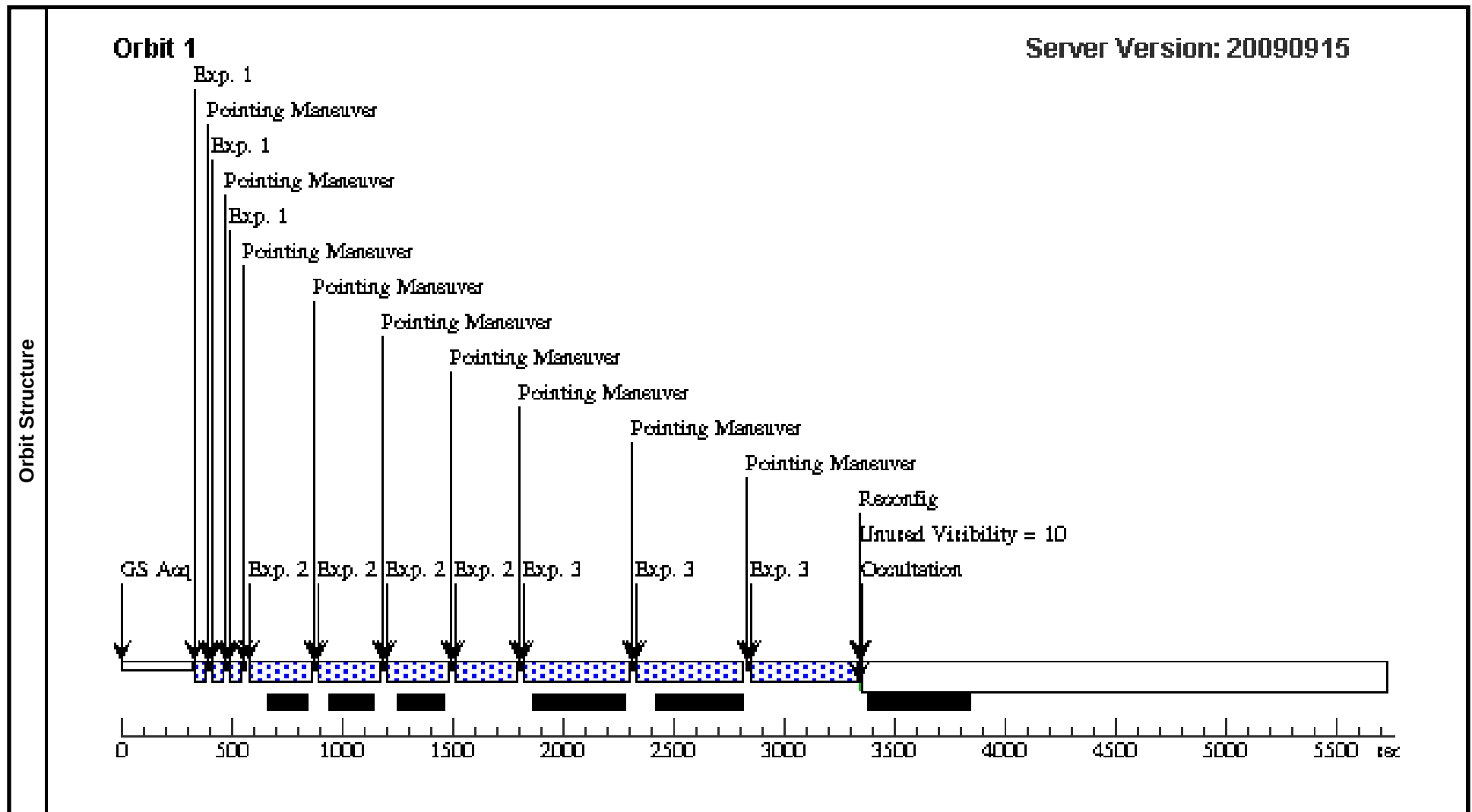
Proposal 11666 - Visit 06 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 06, scheduling										Thu Nov 05 02:34:16 GMT 2009
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(Visit 06) Warning (Orbit Planner): VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	2MASSJ04070885+1514565	RA: 04 07 8.8400 (61.7868333d) Dec: +15 14 56.50 (15.24903d) Equinox: J2000		Proper Motion RA: 0.007324549s/yr Proper Motion Dec: -0.11"/yr Epoch of Position: 2000.07		V=(?) J=16.06; SpT=T5; d=18		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(6) 2MASSJ04070885+1514565	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(6) 2MASSJ04070885+1514565	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3		(6) 2MASSJ04070885+1514565	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



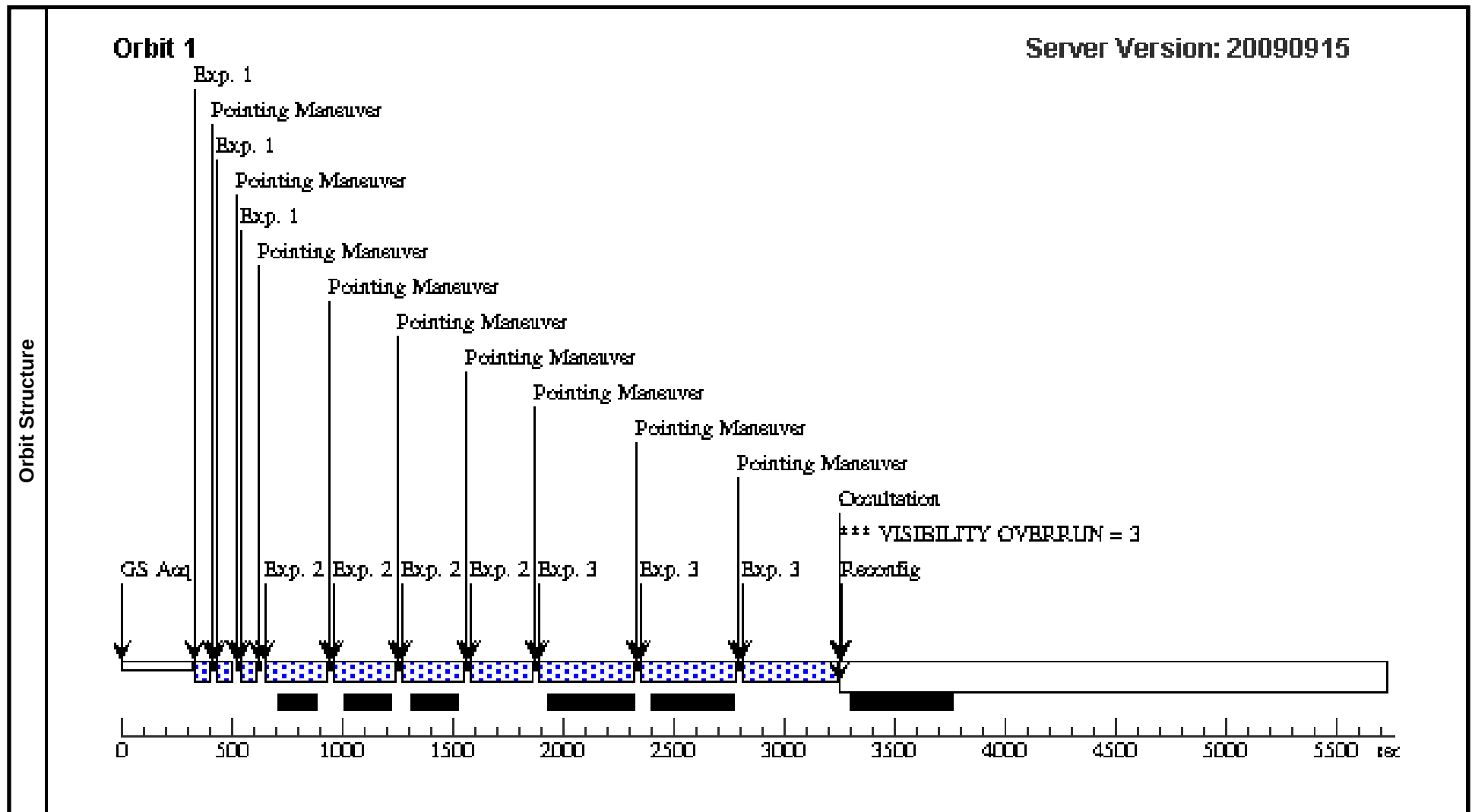
Proposal 11666 - Visit 07 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 07, scheduling					Thu Nov 05 02:34:17 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	2MASSJ05103520-4208140	RA: 05 10 35.1900 (77.6466250d) Dec: -42 08 13.99 (-42.13722d) Equinox: J2000	Proper Motion RA: 0.009349911s/yr Proper Motion Dec: 0.58"/yr Epoch of Position: 1999.94	V=(?) J=16.22; SpT=T5; d=20	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) 2MASSJ05103520-4208140	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(7) 2MASSJ05103520-4208140	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(7) 2MASSJ05103520-4208140	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



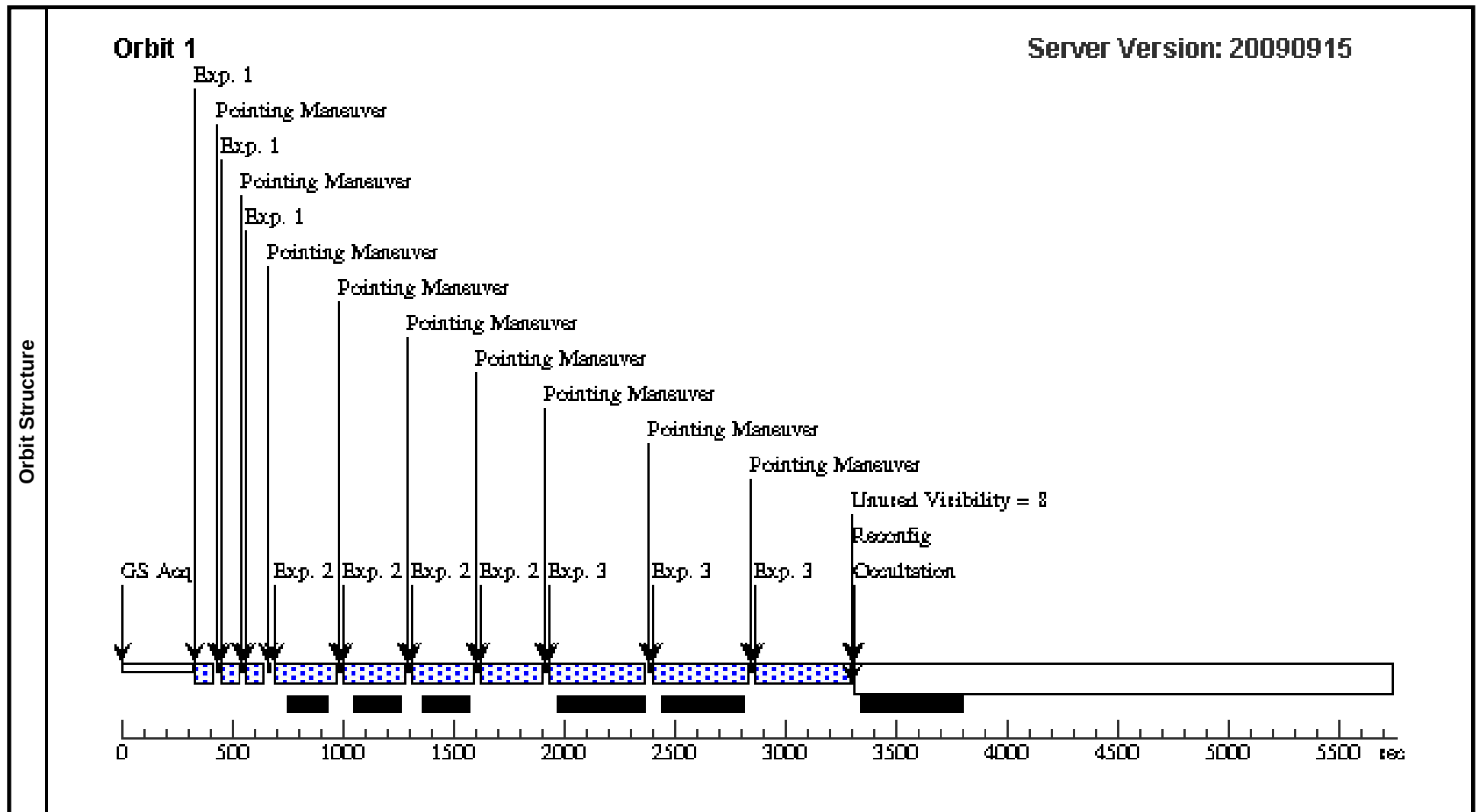
Proposal 11666 - Visit 08 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 08, scheduling										Thu Nov 05 02:34:18 GMT 2009			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/IR													
	Special Requirements: (none)													
Diagnostics	(Visit 08) Warning (Orbit Planner): VISIBILITY OVERRUN													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false							(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false							(2)		
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(8) 1	2MASSJ0727182+171001	RA: 07 27 18.2300 (111.8259583d) Dec: +17 10 1.20 (17.16700d) Equinox: J2000			Proper Motion RA: 0.072984883s/yr Proper Motion Dec: -0.767"/yr Epoch of Position: 1997.99			V=(?) J=15.60; SpT=T7; d=9		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit			
	1		(8) 2MASSJ0727182+171001	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]			
	2		(8) 2MASSJ0727182+171001	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]			
	3		(8) 2MASSJ0727182+171001	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]			



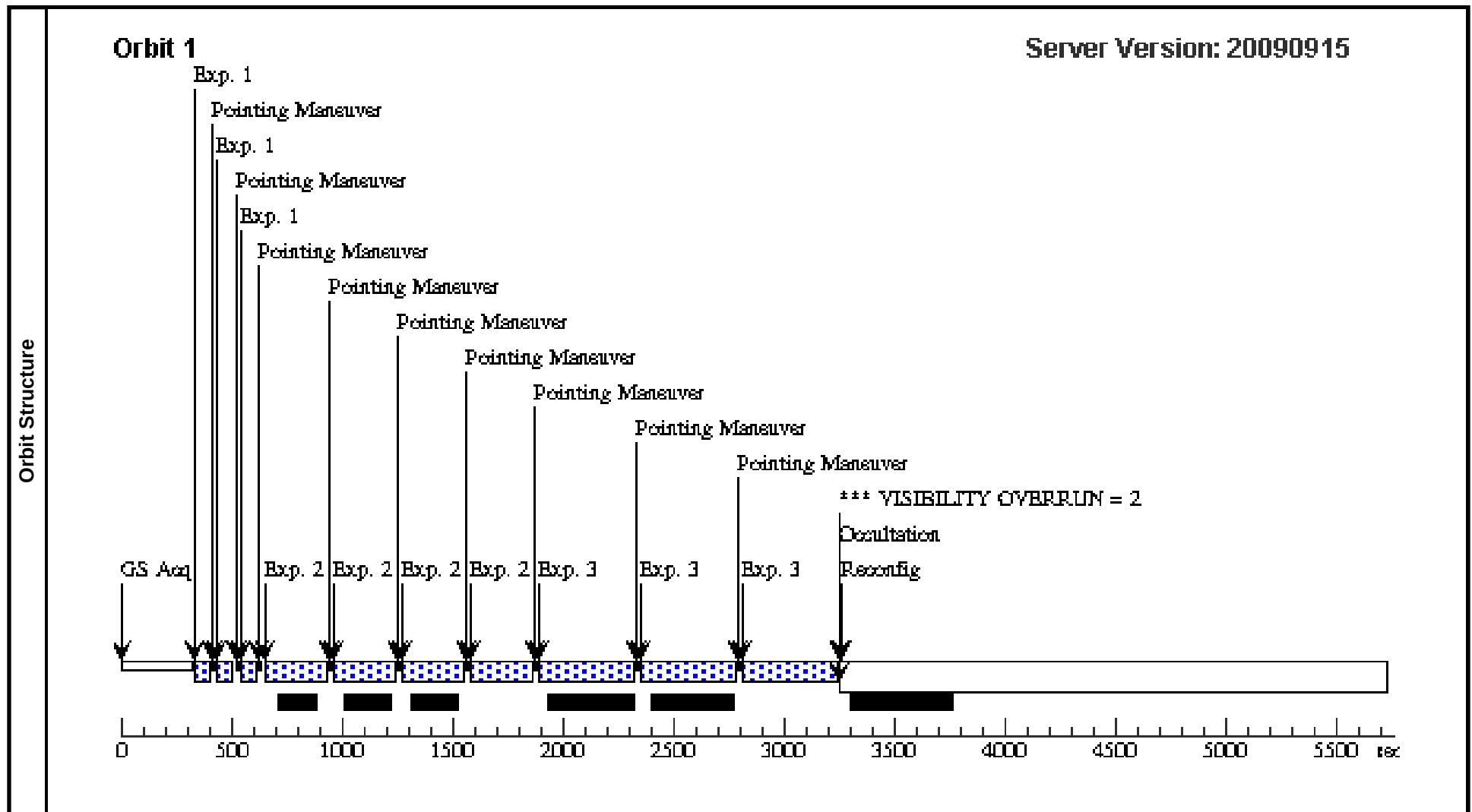
Proposal 11666 - Visit 09 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 09, scheduling					Thu Nov 05 02:34:18 GMT 2009					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern			Secondary Pattern				Exposures		
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	2MASSJ07290002-3954043	RA: 07 29 0.0100 (112.2500417d) Dec: -39 54 4.30 (-39.90119d) Equinox: J2000		Proper Motion RA: -0.050229072s/yr Proper Motion Dec: 1.636"/yr Epoch of Position: 1999.21		V=(?) J=15.92; SpT=T8pec; d=7		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(9) 2MASSJ07290002-3954043	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=9	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(9) 2MASSJ07290002-3954043	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3		(9) 2MASSJ07290002-3954043	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



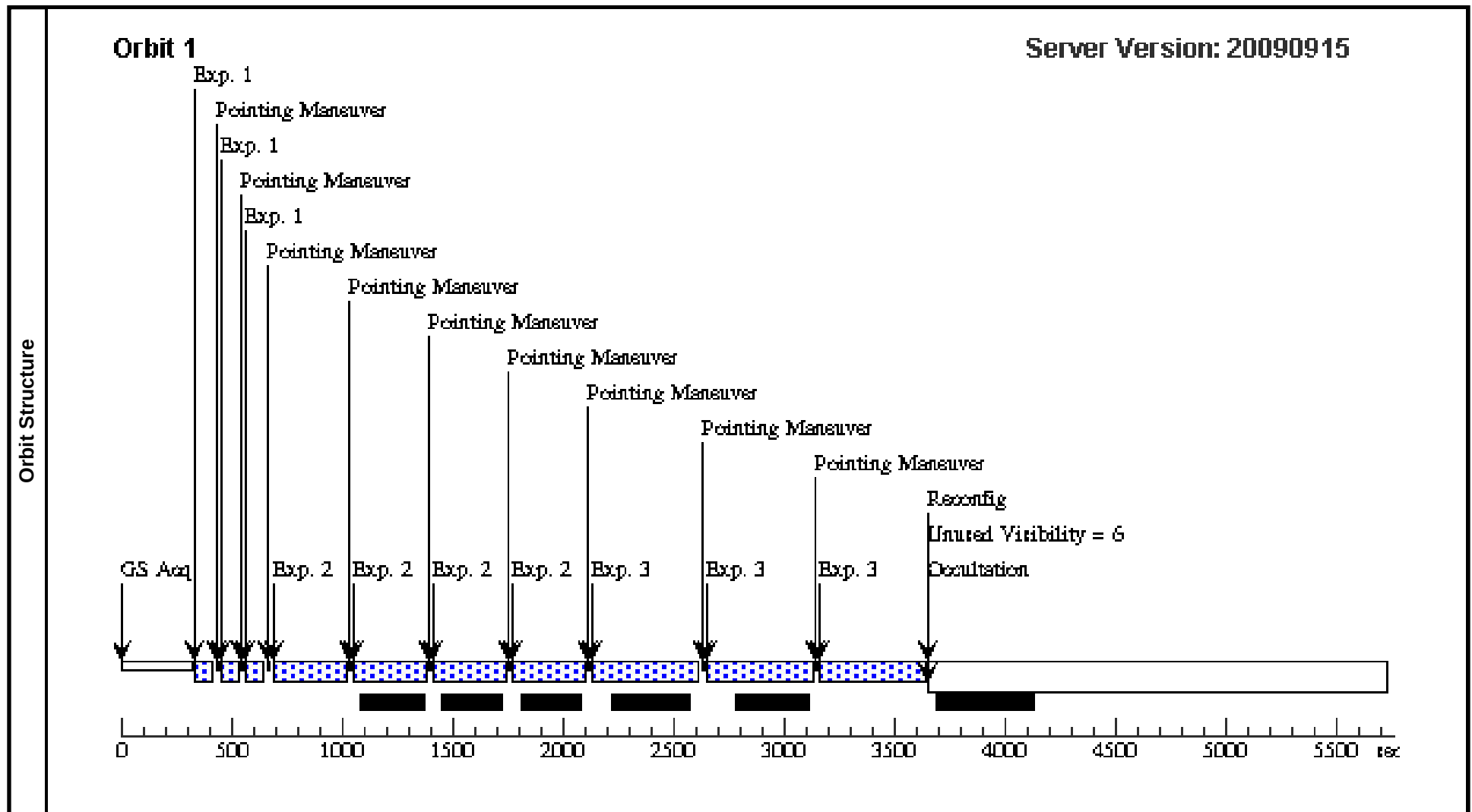
Proposal 11666 - Visit 10 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 10, scheduling										Thu Nov 05 02:34:18 GMT 2009
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	HD3651B	RA: 00 39 18.9800 (9.8290833d) Dec: +21 15 17.02 (21.25473d) Equinox: J2000		Proper Motion RA: -0.032976396s/yr Proper Motion Dec: -0.371"/yr Epoch of Position: 1997.83		V=(?) J=16.16; SpT=T7.5; d=11		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(10) HD3651B	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(10) HD3651B	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3		(10) HD3651B	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



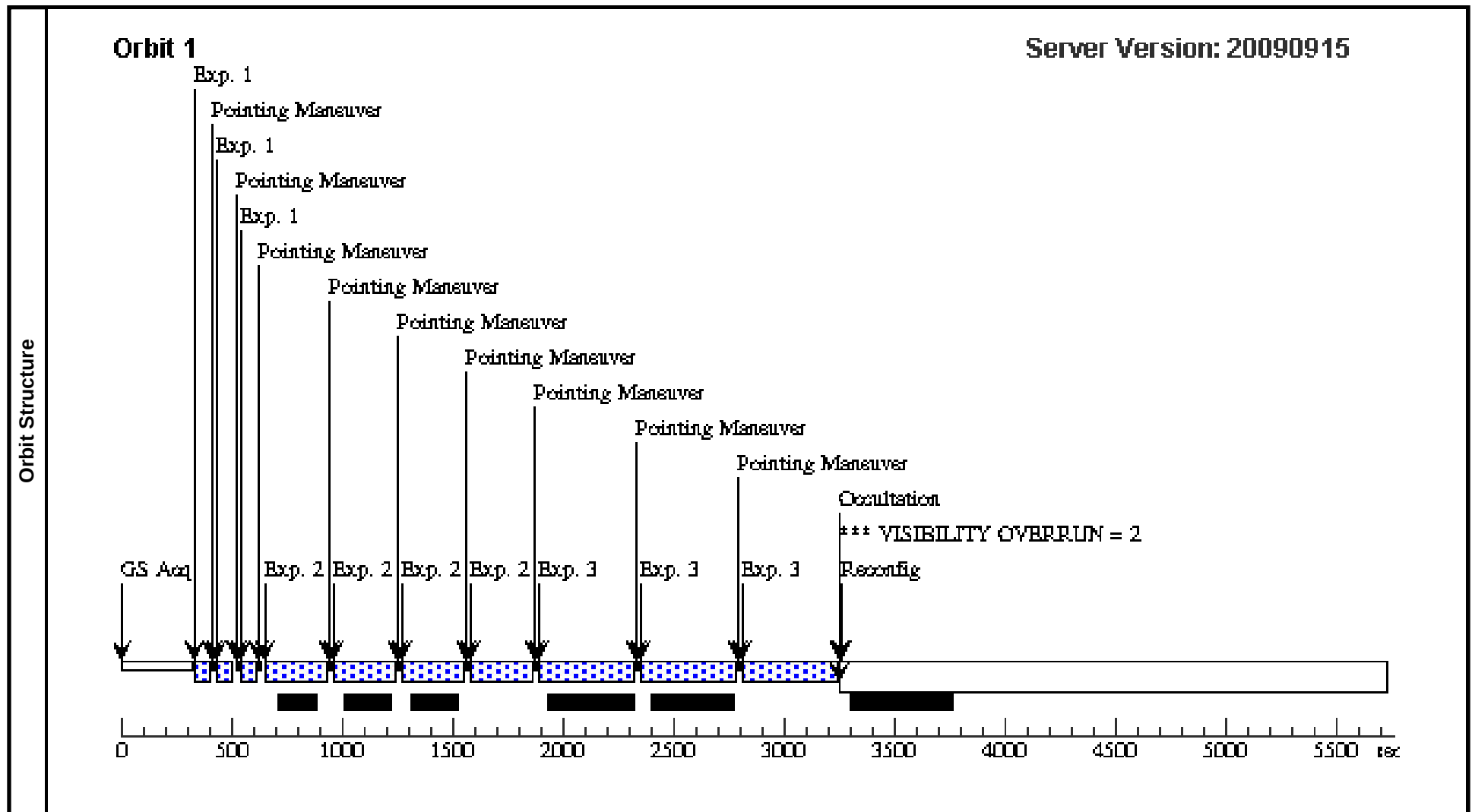
Proposal 11666 - Visit 11 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 11, scheduling				Thu Nov 05 02:34:19 GMT 2009					
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	2MASSJ22372056+7228351	RA: 22 37 20.5600 (339.3356667d) Dec: +72 28 35.20 (72.47644d) Equinox: J2000	Proper Motion RA: 0s/yr Proper Motion Dec: 0"/yr Epoch of Position: 1999.78	V=(?) J=15.76; SpT=T6; d=13	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) 2MASSJ22372056+7228351	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=9	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(11) 2MASSJ22372056+7228351	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=11	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(11) 2MASSJ22372056+7228351	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



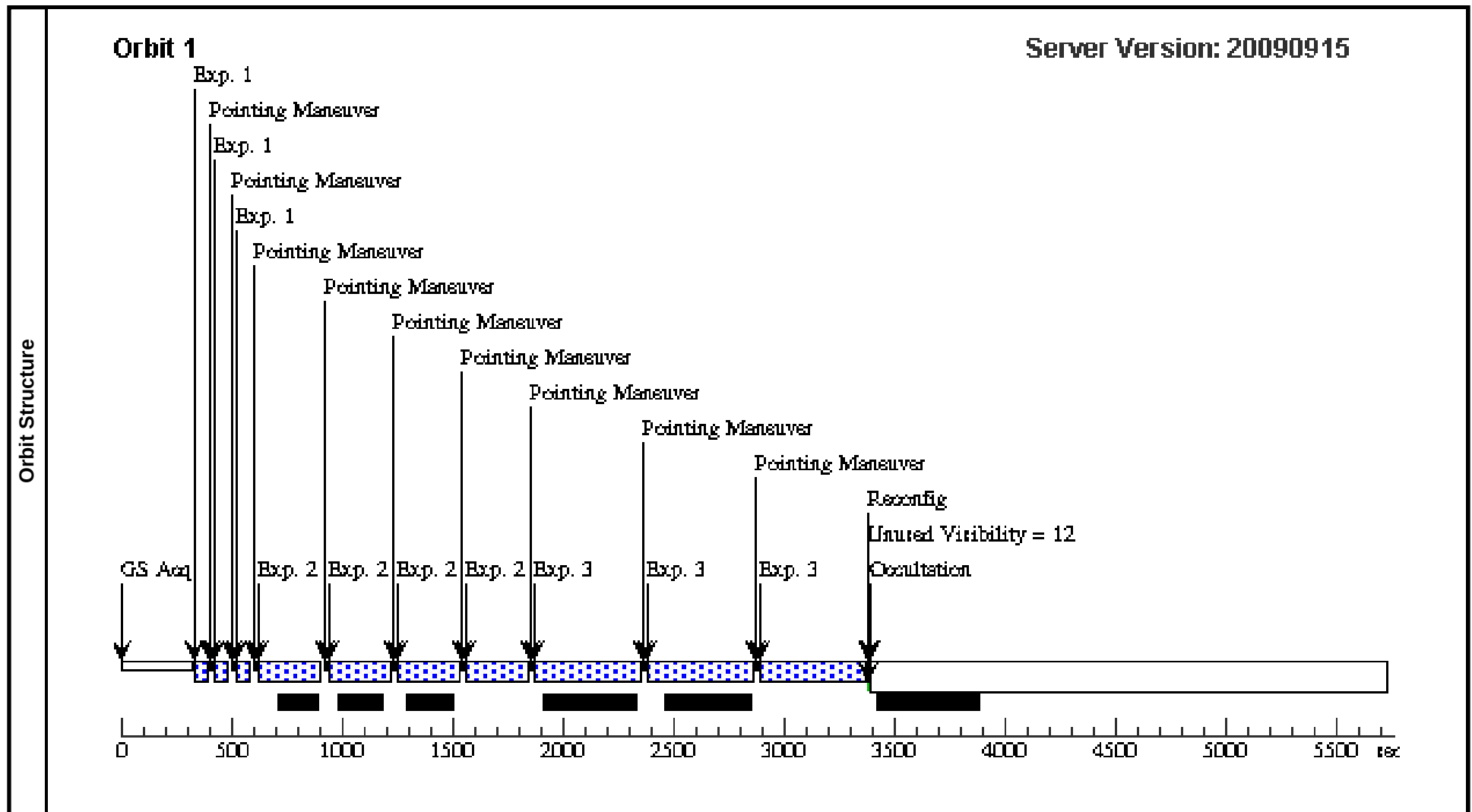
Proposal 11666 - Visit 12 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 12, scheduling										Thu Nov 05 02:34:19 GMT 2009
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(12)	2MASSJ09393548-2448279	RA: 09 39 35.4700 (144.8977917d) Dec: -24 48 27.89 (-24.80775d) Equinox: J2000		Proper Motion RA: 0.043478852s/yr Proper Motion Dec: -1.064"/yr Epoch of Position: 2000.21		V=(?) J=15.98; SpT=T8; d=6		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(12) 2MASSJ09393548-2448279	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(12) 2MASSJ09393548-2448279	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3		(12) 2MASSJ09393548-2448279	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



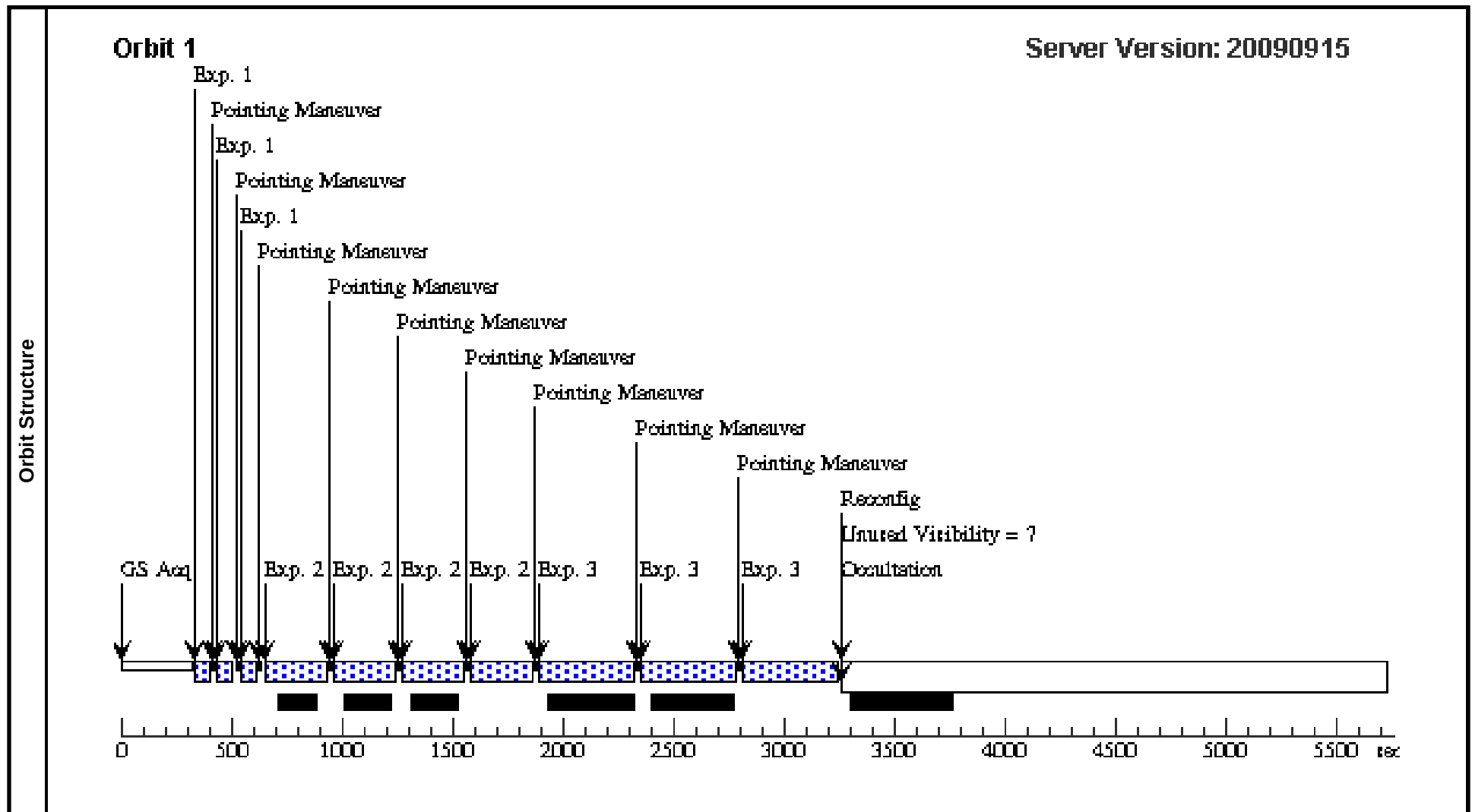
Proposal 11666 - Visit 13 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 13, scheduling					Thu Nov 05 02:34:20 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	2MASSJ10073369-4555147	RA: 10 07 33.6900 (151.8903750d) Dec: -45 55 14.69 (-45.92075d) Equinox: J2000	Proper Motion RA: -0.07264158s/yr Proper Motion Dec: 0.138"/yr Epoch of Position: 2000.23	V=(?) J=15.65; SpT=T5; d=16	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) 2MASSJ10073369-4555147	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(13) 2MASSJ10073369-4555147	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(13) 2MASSJ10073369-4555147	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



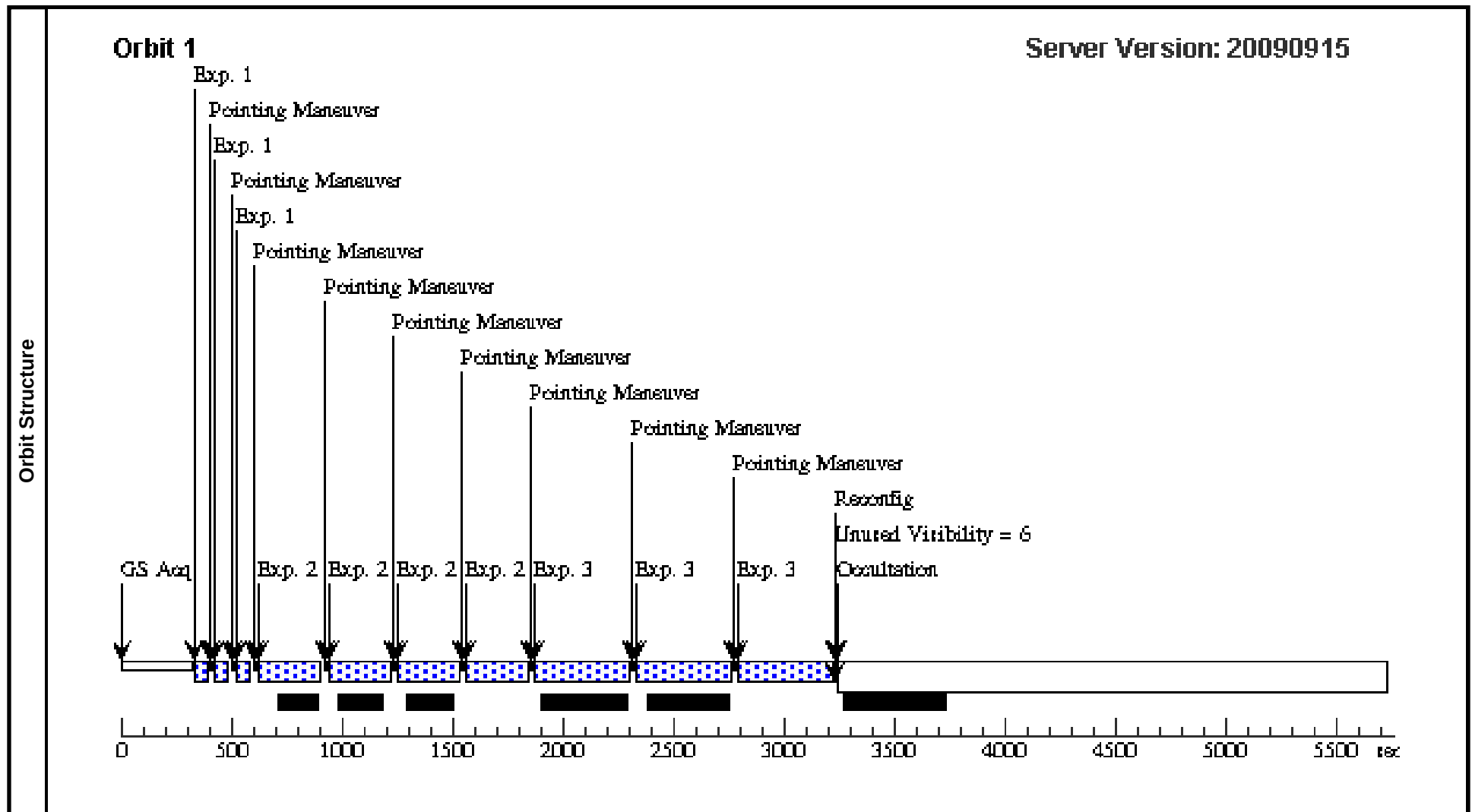
Proposal 11666 - Visit 14 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 14, scheduling					Thu Nov 05 02:34:20 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	2MASSJ11145133-2618235	RA: 11 14 51.3300 (168.7138750d) Dec: -26 18 23.49 (-26.30653d) Equinox: J2000	Proper Motion RA: -0.22526241s/yr Proper Motion Dec: -0.361"/yr Epoch of Position: 1999.3	V=(?) J=15.86; SpT=T7.5; d=7	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(14) 2MASSJ11145133-2618235	(14) 2MASSJ11145133-2618235	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(14) 2MASSJ11145133-2618235	(14) 2MASSJ11145133-2618235	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3	(14) 2MASSJ11145133-2618235	(14) 2MASSJ11145133-2618235	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



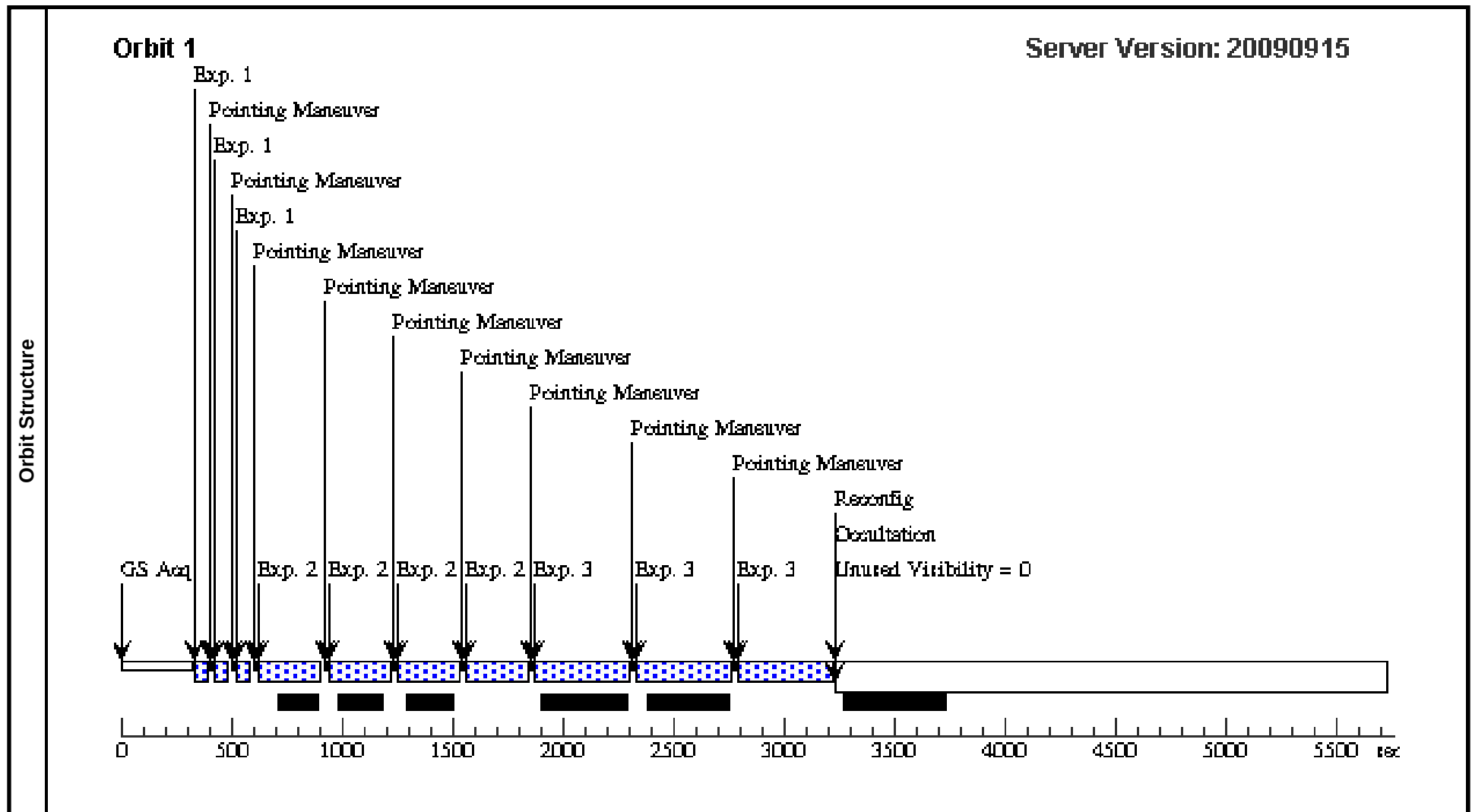
Proposal 11666 - Visit 15 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 15, scheduling					Thu Nov 05 02:34:20 GMT 2009					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern			Secondary Pattern				Exposures		
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(15)	2MASSJ12314753+0847331	RA: 12 31 47.5200 (187.9480000d) Dec: +08 47 33.10 (8.79253d) Equinox: J2000		Proper Motion RA: -0.079332313s/yr Proper Motion Dec: -1.043"/yr Epoch of Position: 2000.32		V=(?) J=15.57; SpT=T5.5; d=11		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(15) 2MASSJ12314753+0847331	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(15) 2MASSJ12314753+0847331	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3		(15) 2MASSJ12314753+0847331	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



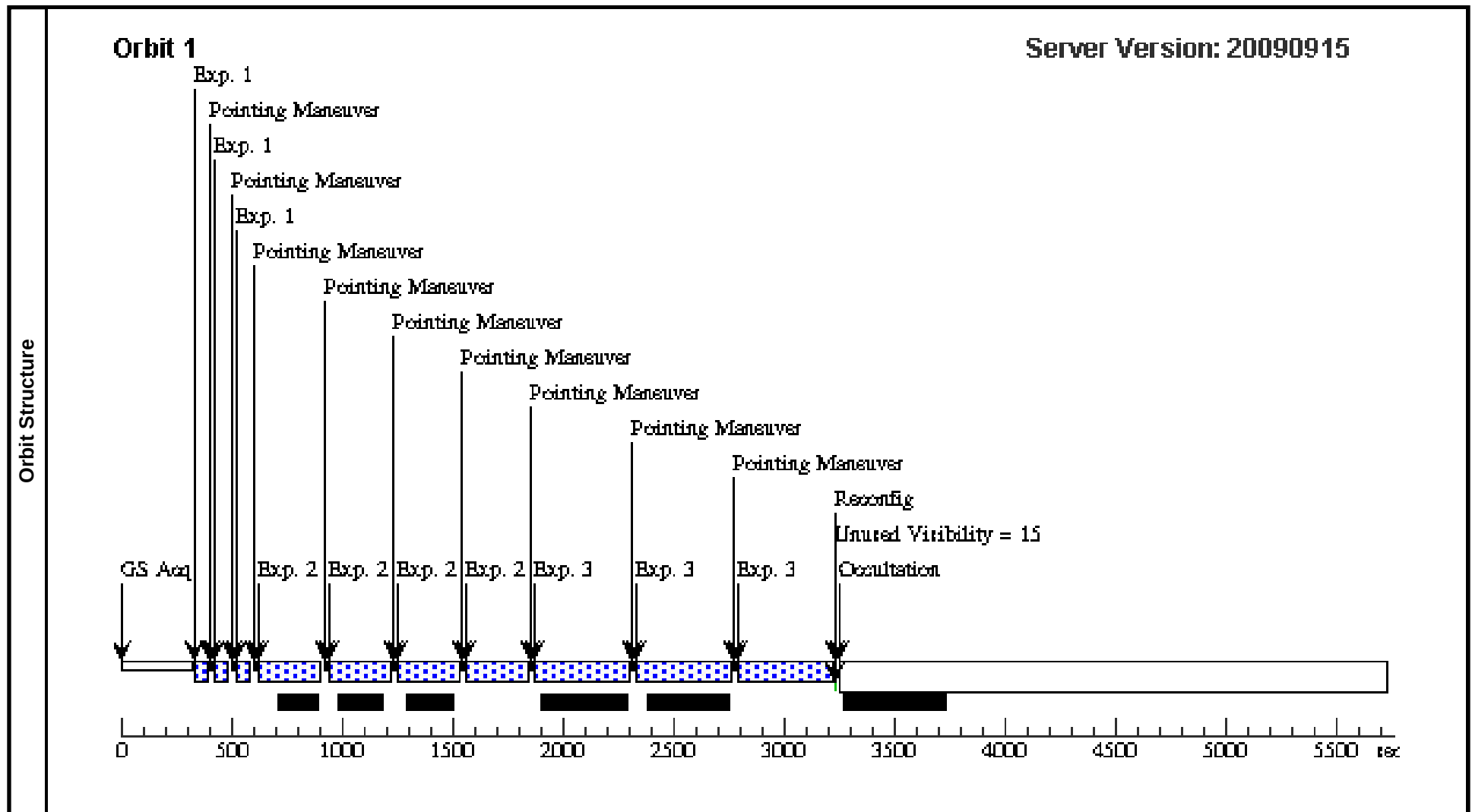
Proposal 11666 - Visit 16 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 16, scheduling					Thu Nov 05 02:34:21 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	SDSSPJ134646.45-003150.4	RA: 13 46 46.3300 (206.6930417d) Dec: -00 31 50.09 (-.53058d) Equinox: J2000	Proper Motion RA: -0.033534775s/yr Proper Motion Dec: -0.114"/yr Epoch of Position: 2001.19	V=(?) J=16.00; SpT=T6.5; d=14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(16) SDSSPJ134646.45-003150.4	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(16) SDSSPJ134646.45-003150.4	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(16) SDSSPJ134646.45-003150.4	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



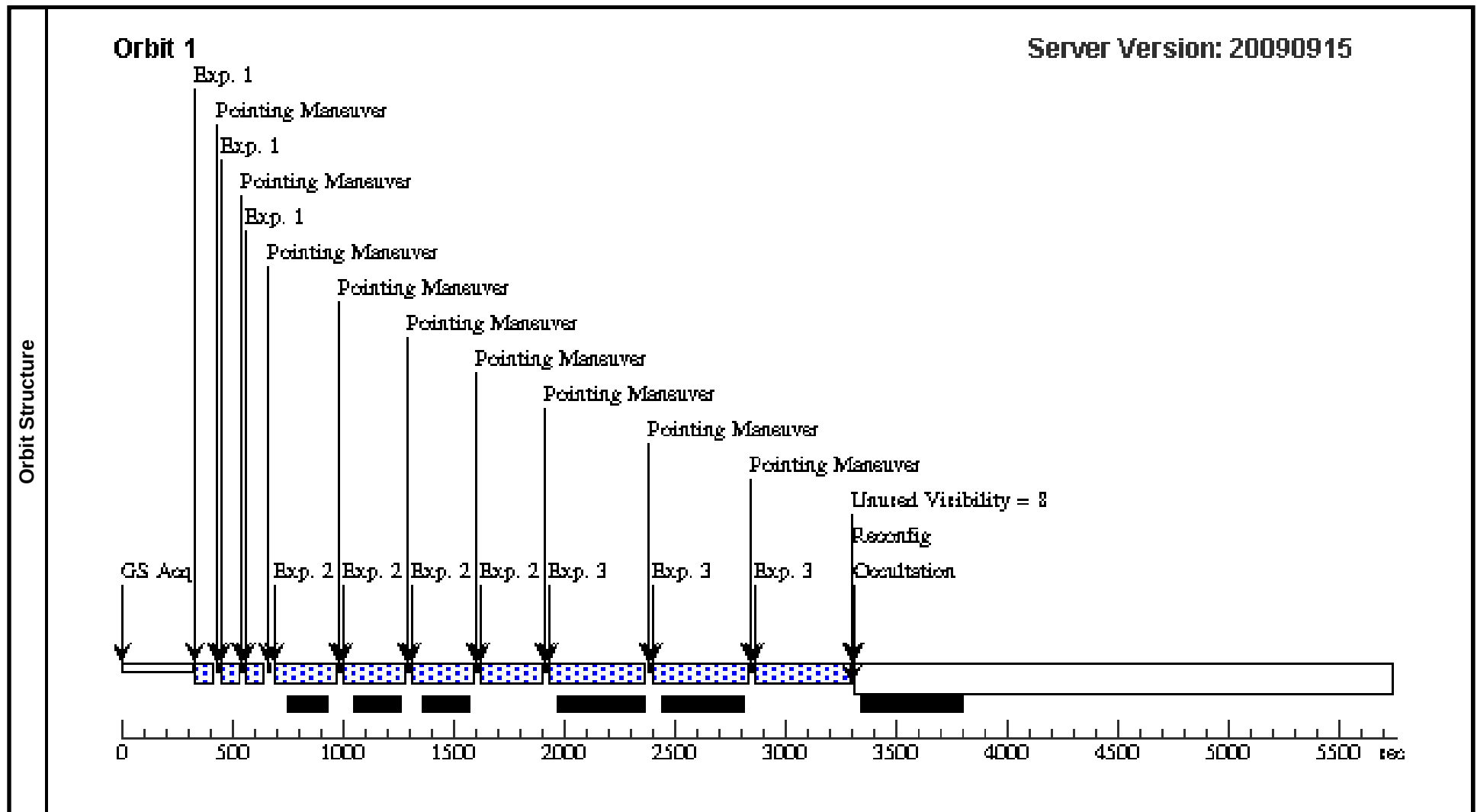
Proposal 11666 - Visit 17 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 17, scheduling					Thu Nov 05 02:34:21 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	SDSSJ150411.63+102718.4	RA: 15 04 11.5500 (226.0481250d) Dec: +10 27 19.50 (10.45542d) Equinox: J2000	Proper Motion RA: 0.02549s/yr Proper Motion Dec: -0.382"/yr Epoch of Position: 2004.06	V=(?) J=17.03; SpT=T7; d=14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(17) SDSSJ150411.63+102718.4	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(17) SDSSJ150411.63+102718.4	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(17) SDSSJ150411.63+102718.4	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



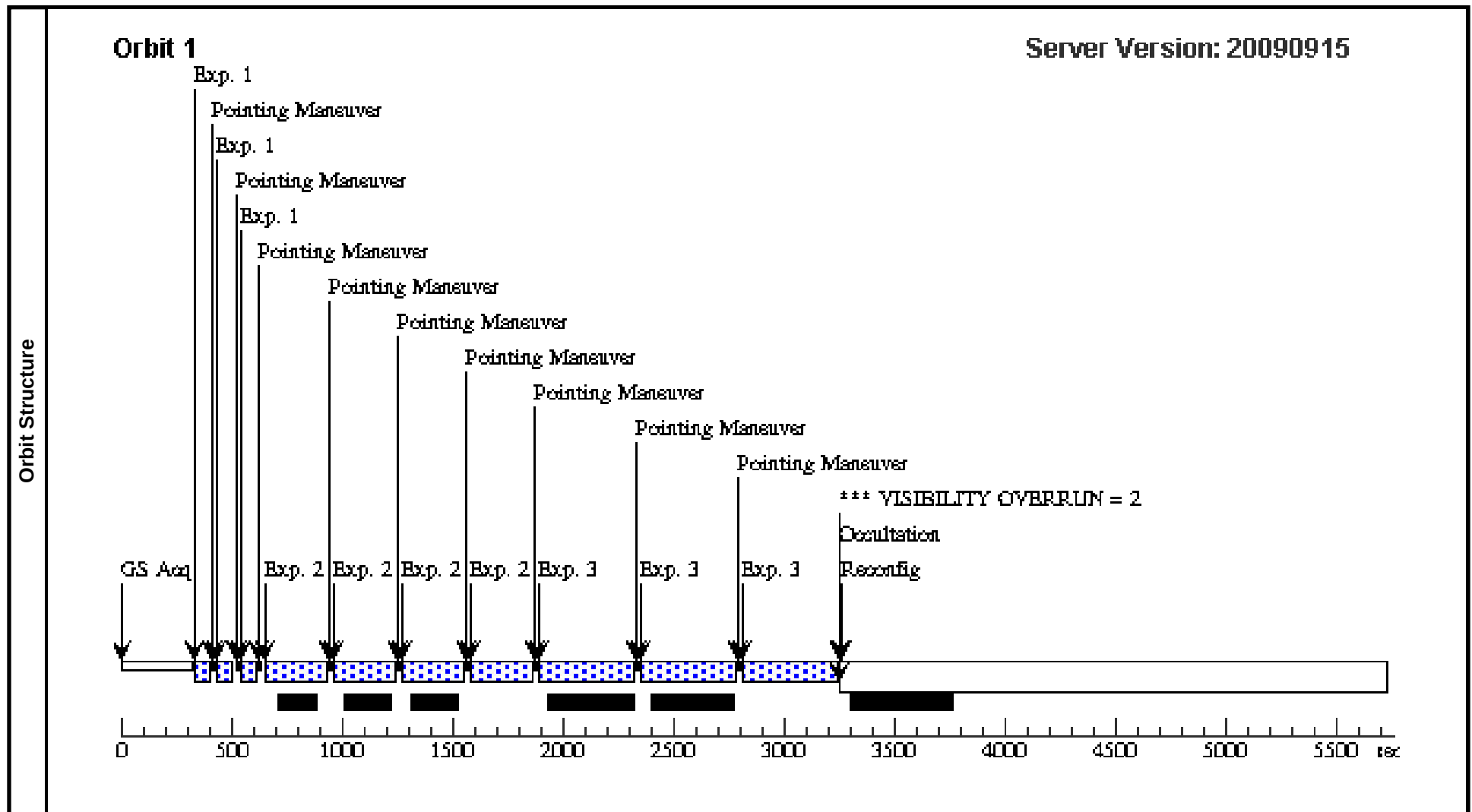
Proposal 11666 - Visit 18 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 18, scheduling					Thu Nov 05 02:34:21 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	SDSSJ125011.65+392553.9	RA: 12 50 11.6600 (192.5485833d) Dec: +39 25 58.20 (39.43283d) Equinox: J2000	Proper Motion RA: -0.00129s/yr Proper Motion Dec: -0.828"/yr Epoch of Position: 1998.27	V=(?) J=16.50; SpT=T4: d=20	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(18) SDSSJ125011.65+392553.9	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=9	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(18) SDSSJ125011.65+392553.9	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(18) SDSSJ125011.65+392553.9	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



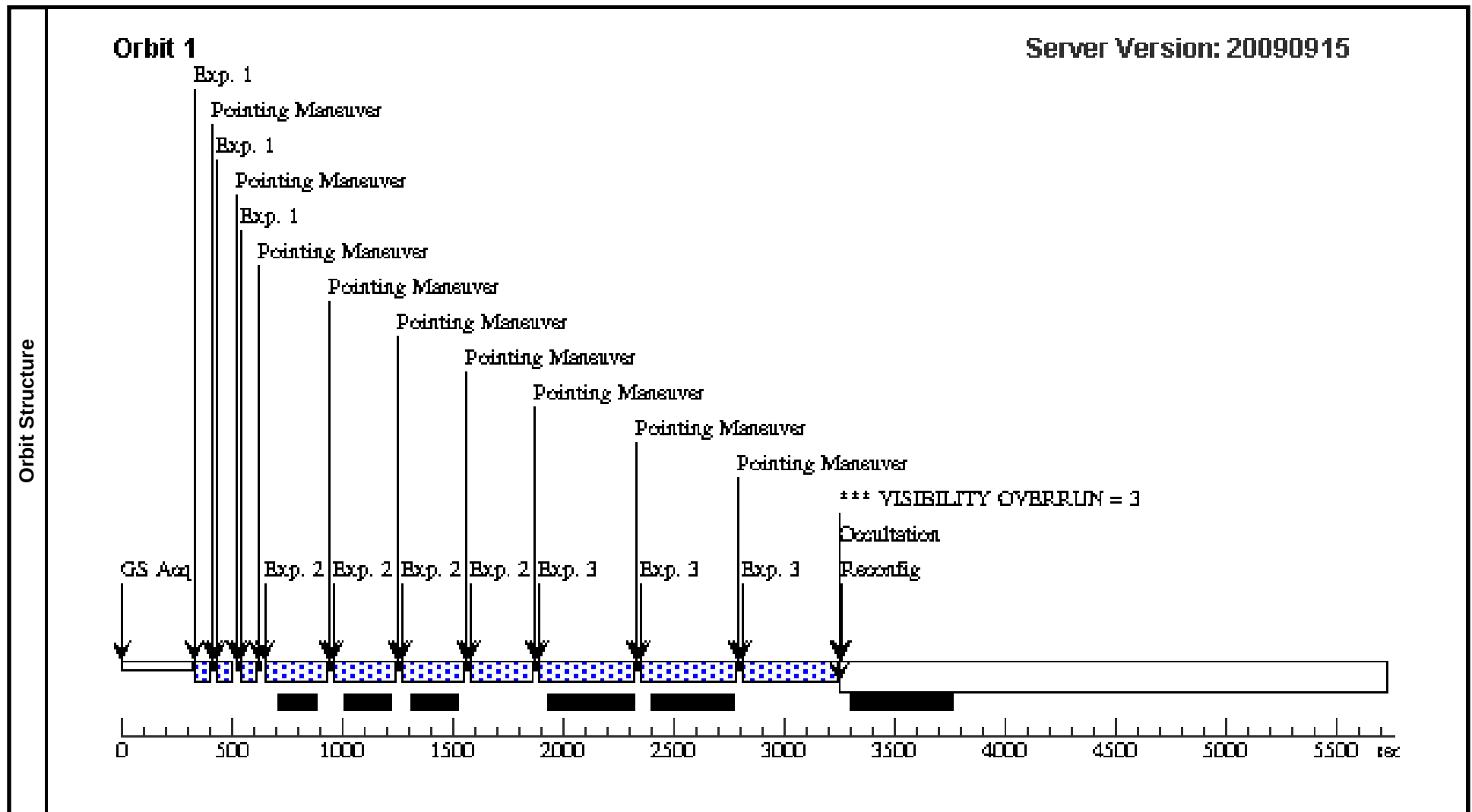
Proposal 11666 - Visit 19 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 19, scheduling										Thu Nov 05 02:34:22 GMT 2009
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(Visit 19) Warning (Orbit Planner): VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(19)	SDSSJ162838.77+230821.1	RA: 16 28 38.5500 (247.1606250d) Dec: +23 08 24.10 (23.14003d) Equinox: J2000		Proper Motion RA: 0.03705s/yr Proper Motion Dec: -0.467"/yr Epoch of Position: 1997.57		V=(?) J=16.46; SpT=T7; d=10		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(19) SDSSJ162838.77+230821.1	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(19) SDSSJ162838.77+230821.1	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3		(19) SDSSJ162838.77+230821.1	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



Proposal 11666 - Visit 20 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 20, scheduling										Thu Nov 05 02:34:22 GMT 2009
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Diagnostics	(Visit 20) Warning (Orbit Planner): VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(21)	2MASSJ1754544+1649200	RA: 17 54 54.4700 (268.7269583d) Dec: +16 49 19.70 (16.82214d) Equinox: J2000		Proper Motion RA: 0.007034s/yr Proper Motion Dec: -0.125"/yr Epoch of Position: 2000.17		V=(?) J=15.80; SpT=T5; d=15		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(21) 2MASSJ175454+1649200	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(21) 2MASSJ175454+1649200	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3		(21) 2MASSJ175454+1649200	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]

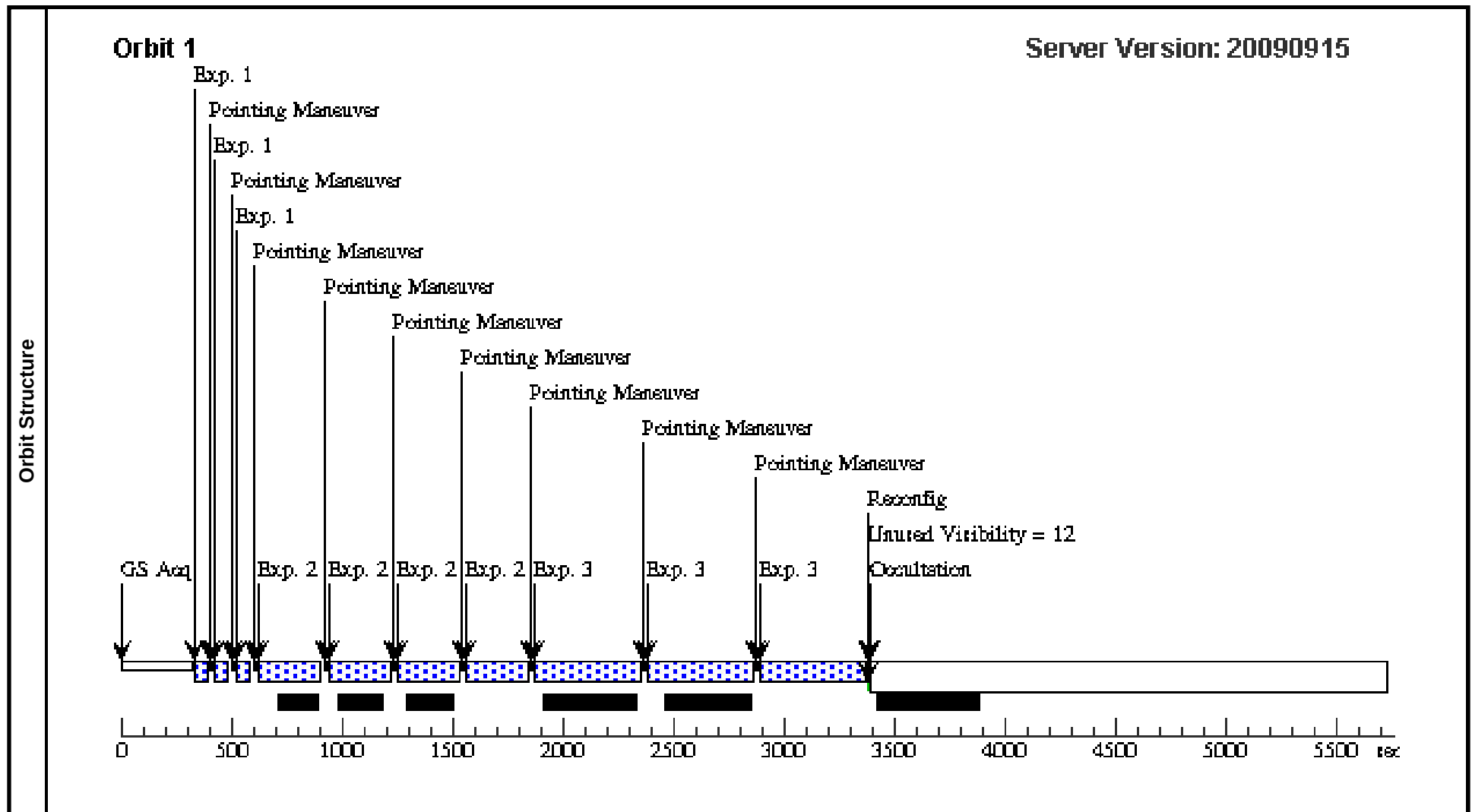


Proposal 11666 - Visit 21 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 21, scheduling					Thu Nov 05 02:34:23 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	SDSSJ175805.46+463311.9	RA: 17 58 5.4500 (269.5227083d) Dec: +46 33 9.89 (46.55275d) Equinox: J2000	Proper Motion RA: 0.00252053s/yr Proper Motion Dec: 0.594"/yr Epoch of Position: 1998.57	V=(?) J=16.15; SpT=T6.5; d=12	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) SDSSJ175805.46+463311.9	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(22) SDSSJ175805.46+463311.9	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(22) SDSSJ175805.46+463311.9	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]

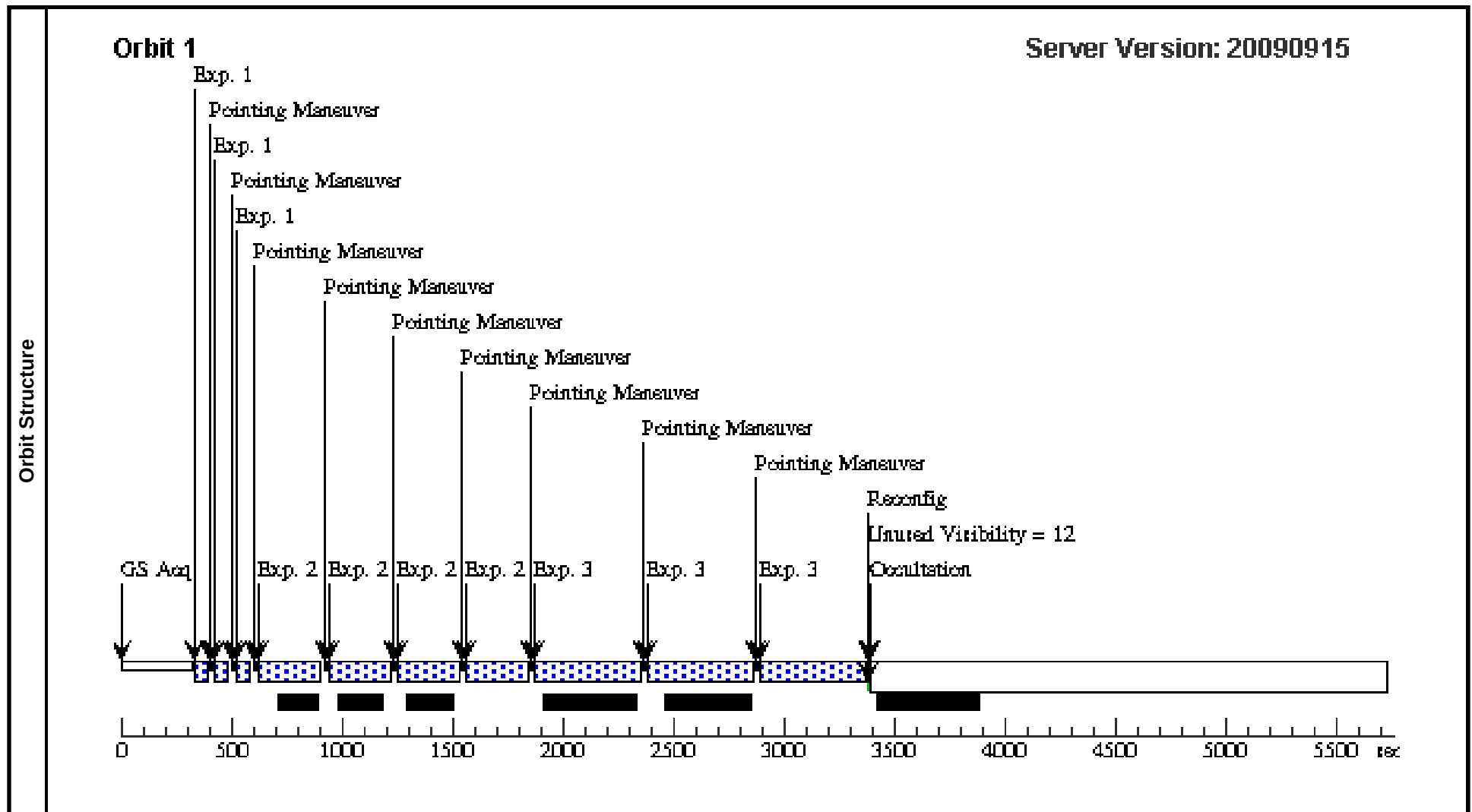
Proposal 11666 - Visit 22 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 22, scheduling					Thu Nov 05 02:34:23 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	2MASSJ18283572-4849046	RA: 18 28 35.7100 (277.1487917d) Dec: -48 49 4.59 (-48.81794d) Equinox: J2000	Proper Motion RA: 0.025615558s/yr Proper Motion Dec: 0.212"/yr Epoch of Position: 2000.93	V=(?) J=15.18; SpT=T5.5; d=9	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(23) 2MASSJ18283572-4849046	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(23) 2MASSJ18283572-4849046	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(23) 2MASSJ18283572-4849046	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



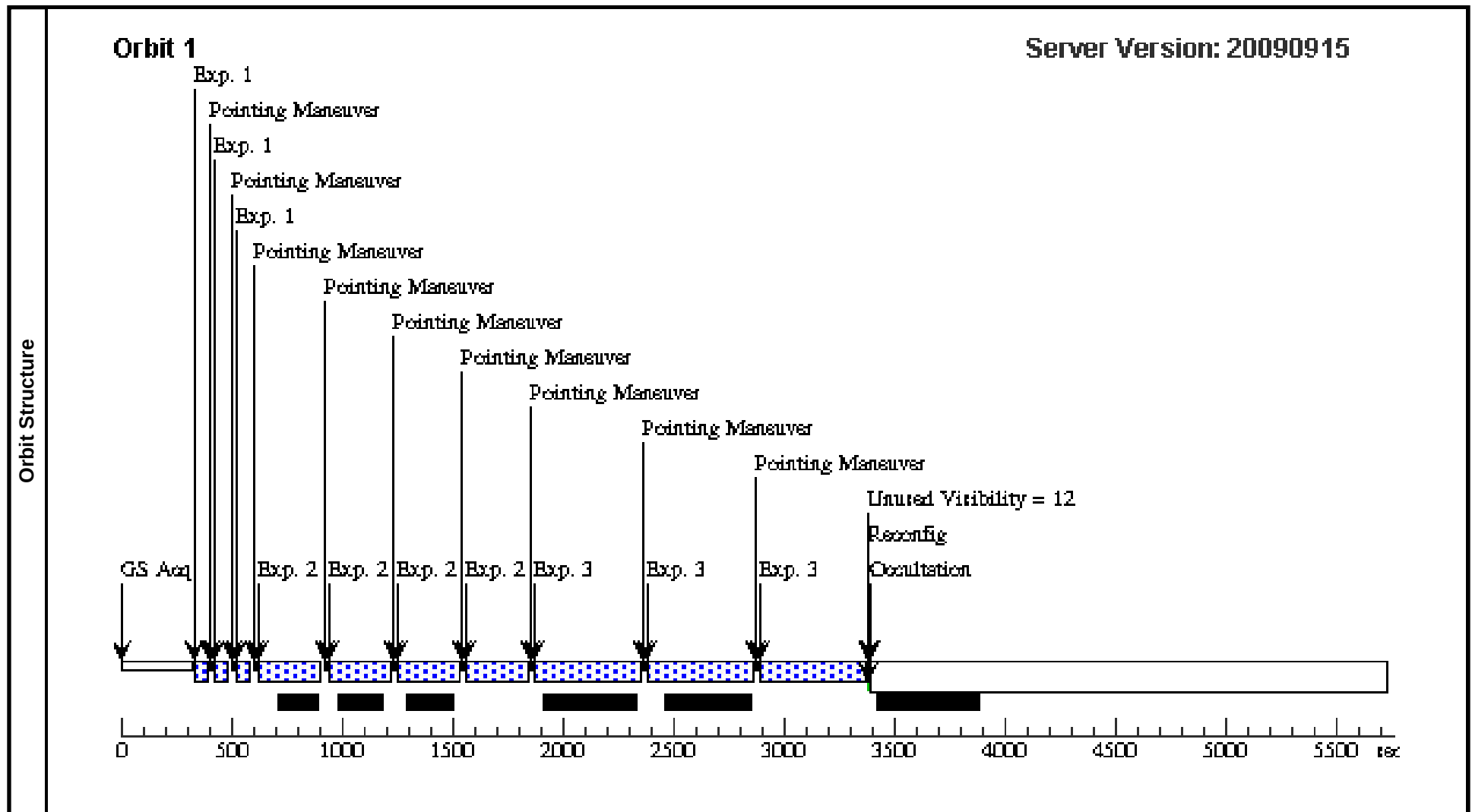
Proposal 11666 - Visit 72 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 72					Thu Nov 05 02:34:23 GMT 2009					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
	Comments: Copy of visit 22 which was scheduled to execute but failed due to a SI C&DH lockup.										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(23)	2MASSJ18283572-4849046	RA: 18 28 35.7100 (277.1487917d) Dec: -48 49 4.59 (-48.81794d) Equinox: J2000		Proper Motion RA: 0.025615558s/yr Proper Motion Dec: 0.212"/yr Epoch of Position: 2000.93		V=(?) J=15.18; SpT=T5.5; d=9		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(23) 2MASSJ18283572-4849046	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	2	(23) 2MASSJ18283572-4849046	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	
	3	(23) 2MASSJ18283572-4849046	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	



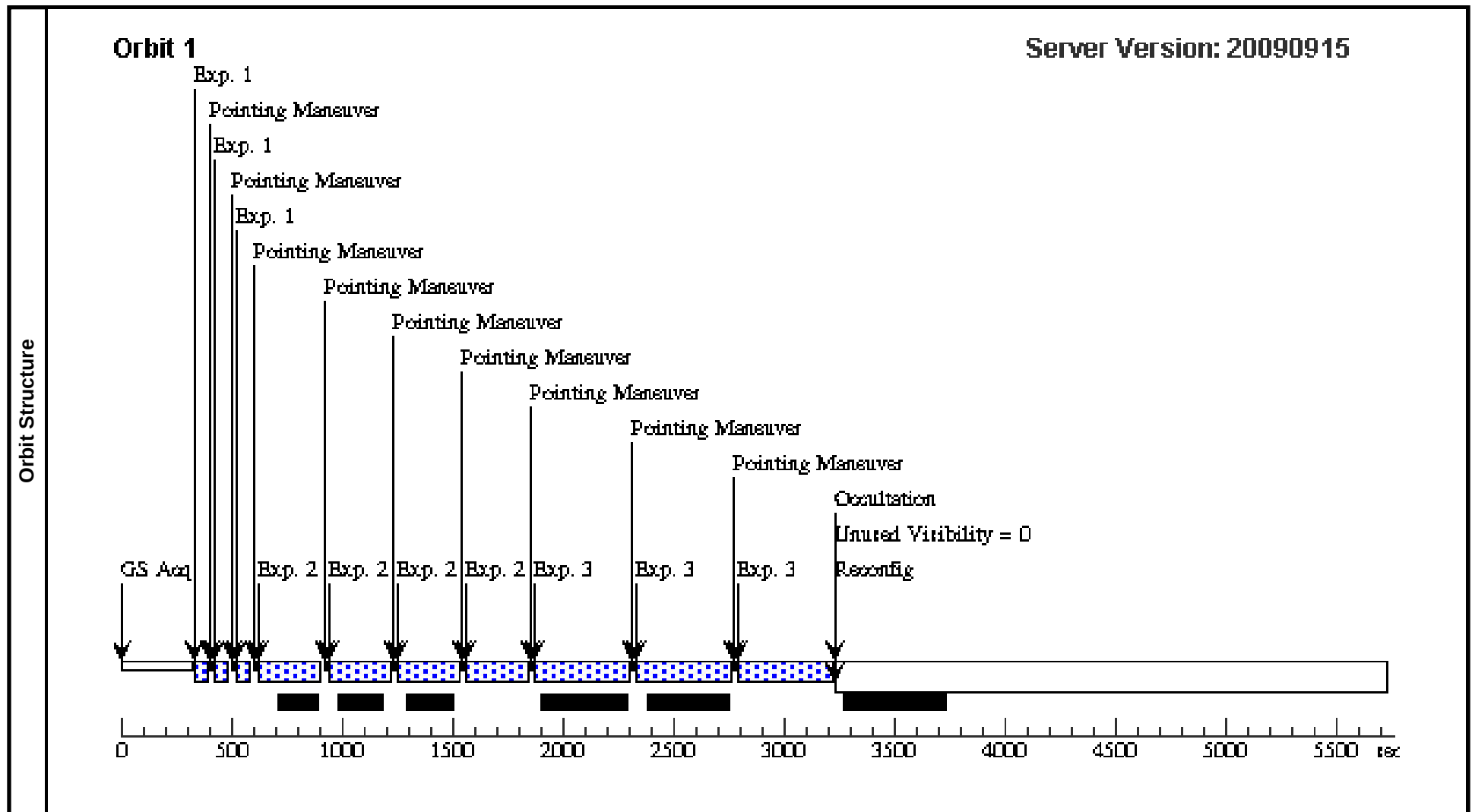
Proposal 11666 - Visit 23 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 23, scheduling					Thu Nov 05 02:34:23 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(24)	2MASSJ19010601+4718136	RA: 19 01 6.0000 (285.2750000d) Dec: +47 18 13.59 (47.30377d) Equinox: J2000	Proper Motion RA: -0.010912668s/yr Proper Motion Dec: -0.363"/yr Epoch of Position: 1998.6	V=(?) J=15.86; SpT=T5; d=14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(24) 2MASSJ19010601+4718136	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(24) 2MASSJ19010601+4718136	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(24) 2MASSJ19010601+4718136	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



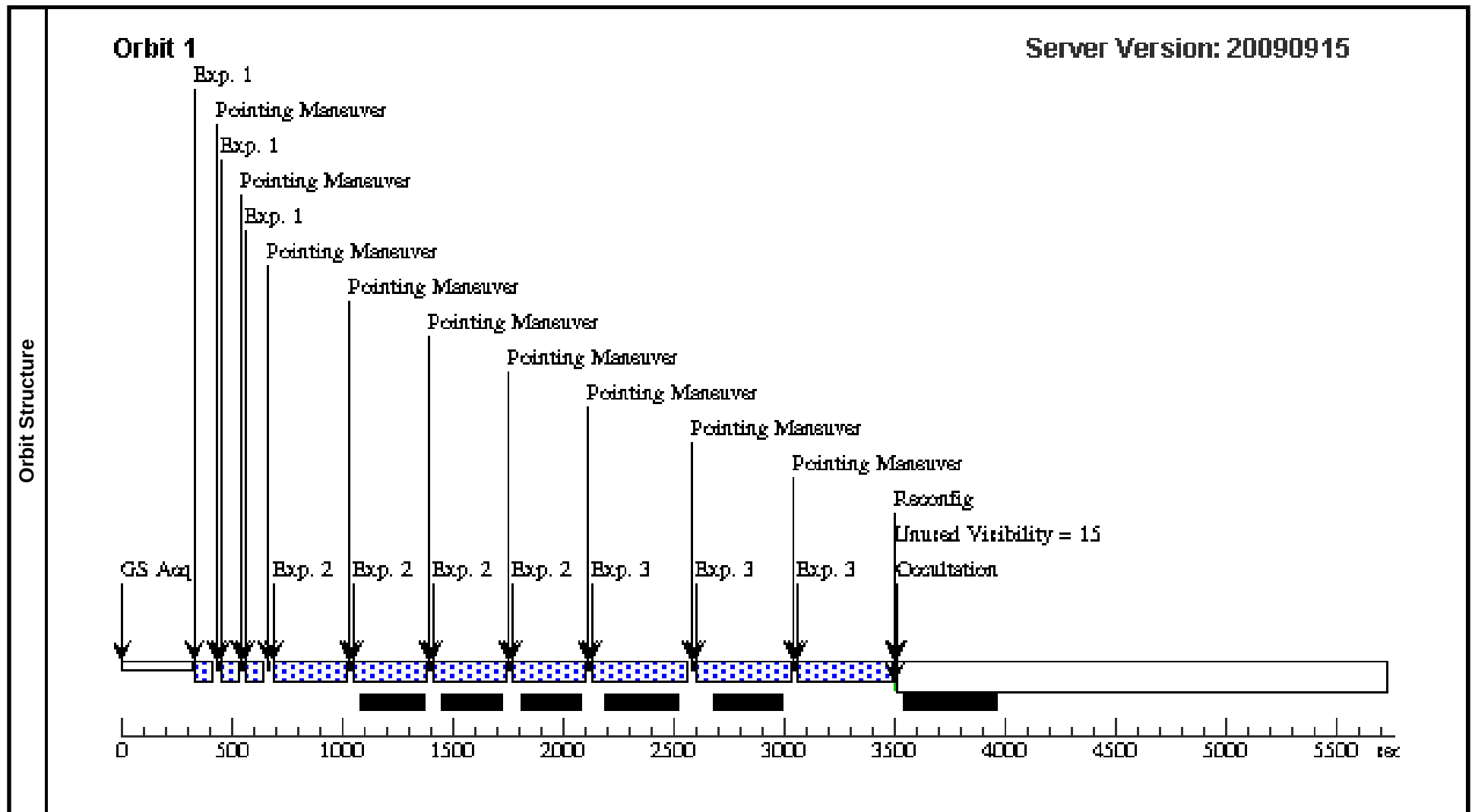
Proposal 11666 - Visit 24 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 24, scheduling					Thu Nov 05 02:34:24 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(25)	SDSSJ212413.89+010000.3	RA: 21 24 13.8700 (321.0577917d) Dec: +00 59 59.89 (.99997d) Equinox: J2000	Proper Motion RA: 0.013468714s/yr Proper Motion Dec: 0.287"/yr Epoch of Position: 2000.78	V=(?) J=16.03; SpT=T5; d=20	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(25) SDSSJ212413.89+010000.3	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(25) SDSSJ212413.89+010000.3	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(25) SDSSJ212413.89+010000.3	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



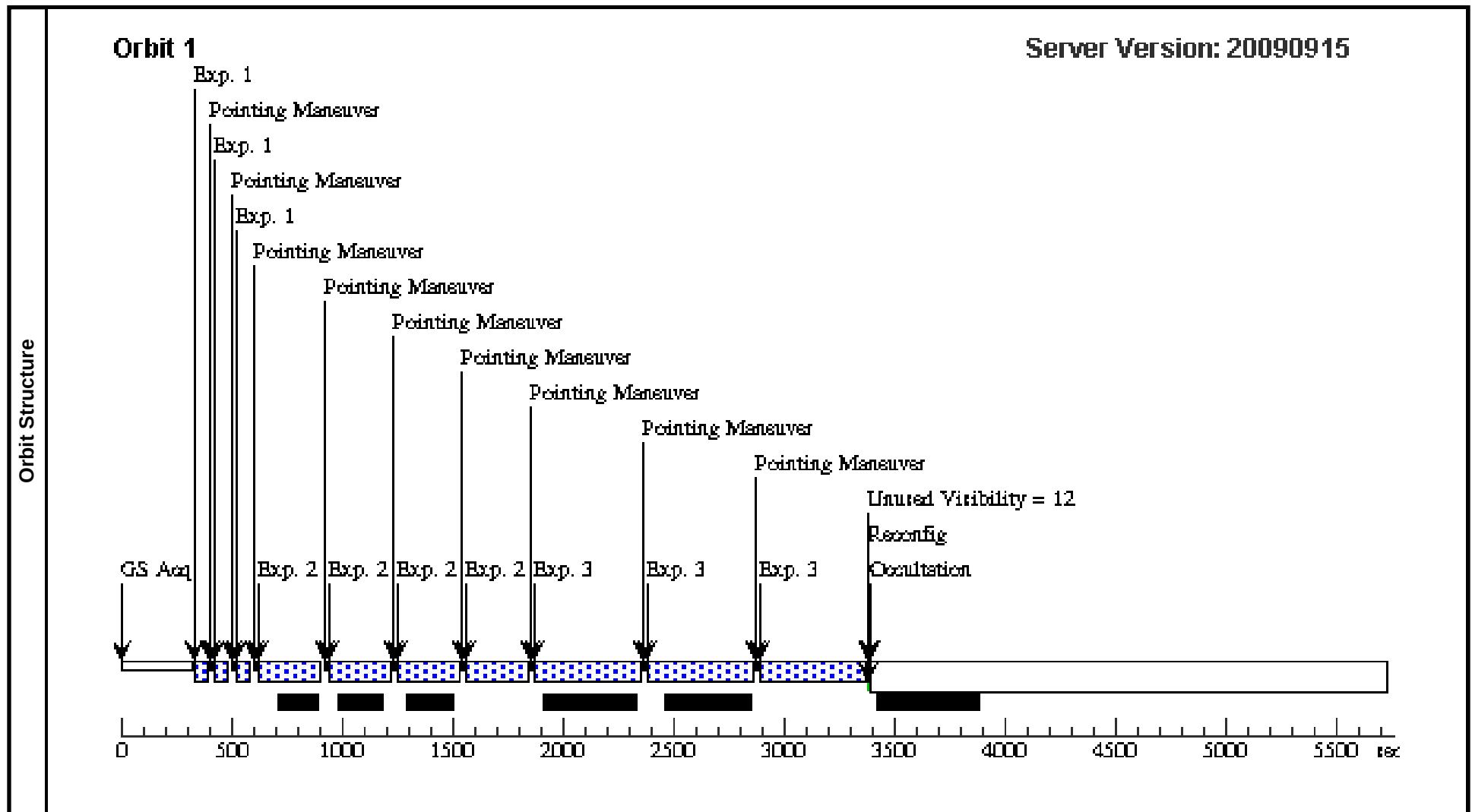
Proposal 11666 - Visit 25 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 25, scheduling Thu Nov 05 02:34:24 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(26)	2MASSJ21543318+5942187	RA: 21 54 33.1700 (328.6382083d) Dec: +59 42 18.70 (59.70519d) Equinox: J2000		Proper Motion RA: -0.024052646s/yr Proper Motion Dec: -0.445"/yr Epoch of Position: 1999.93		V=(?) J=15.66; SpT=T6; d=12		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(26) 2MASSJ21543318+5942187	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=9	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(26) 2MASSJ21543318+5942187	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=11	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(26) 2MASSJ21543318+5942187	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=13	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 11666 - Visit 26 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 26, scheduling					Thu Nov 05 02:34:24 GMT 2009				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(27)	2MASSJ23312378-4718274	RA: 23 31 23.7700 (352.8490417d) Dec: -47 18 27.39 (-47.30761d) Equinox: J2000	Proper Motion RA: 0.01022522s/yr Proper Motion Dec: -0.049"/yr Epoch of Position: 2000.96	V=(?) J=15.66; SpT=T5; d=14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(27) 2MASSJ23312378-4718274	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(27) 2MASSJ23312378-4718274	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=10	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(27) 2MASSJ23312378-4718274	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 11666 - Visit 27 - Chilly Pairs: A Search for the Latest-type Brown Dwarf Binaries and the Prototype Y Dwarf

Visit	Proposal 11666, Visit 27, completed				Thu Nov 05 02:34:25 GMT 2009					
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=SPIRAL Purpose=DITHER Number Of Points=3 Point Spacing=0.572 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1), (3)		
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.572	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(28)	2MASSJ23594033-7335053	RA: 23 59 40.3500 (359.9181250d) Dec: -73 35 5.50 (-73.58486d) Equinox: J2000	Proper Motion RA: 0.0693s/yr Proper Motion Dec: .024"/yr Epoch of Position: 1999.96	V=(?) J=16.16; SpT=T8; d=6	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(28) 2MASSJ23594033-7335053	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=9	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(28) 2MASSJ23594033-7335053	WFC3/IR, MULTIACCUM, IR	F127M	SAMP-SEQ=STEP5 0; NSAMP=11	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(28) 2MASSJ23594033-7335053	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 0.3,0.3	Sequence 1-3 Non-Int Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]

