



10989 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Cycle: 15, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. George Fritz Benedict (PI)	University of Texas at Austin	
Dr. Paul Butler (CoI)	Carnegie Institution of Washington	
Dr. Artie Hatzes (CoI)	Thuringer Landessternwarte Tautenburg \\(TLS\\)	
Dr. Thomas Harrison (CoI)	New Mexico State University	
Dr. Richard J. Patterson (CoI)	The University of Virginia	
Ms. Barbara McArthur (CoI)	University of Texas at Austin	
Dr. Edmund Nelan (CoI)	Space Telescope Science Institute	
Dr. Geoff Marcy (CoI)	University of California - Berkeley	
Dr. Debra Fischer (CoI)	San Francisco State University	

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	(2) HD47536 (9) REF-HD47-249 (10) REF-HD47-281 (11) REF-HD47-286 (12) REF-HD47-350 (13) REF-HD47-418	FGS	1	27-Feb-2007 21:02:55.0	yes

Proposal 10989 (STScI Edit Number: 5, Created: Tuesday, February 27, 2007 9:10:57 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>
51	(2) HD47536 (9) REF-HD47-249 (10) REF-HD47-281 (11) REF-HD47-286 (12) REF-HD47-350 (13) REF-HD47-418	FGS	1	27-Feb-2007 21:03:08.0	yes
02	(2) HD47536 (9) REF-HD47-249 (10) REF-HD47-281 (11) REF-HD47-286 (12) REF-HD47-350 (13) REF-HD47-418	FGS	1	27-Feb-2007 21:03:18.0	yes
03	(2) HD47536 (9) REF-HD47-249 (10) REF-HD47-281 (11) REF-HD47-286 (12) REF-HD47-350 (13) REF-HD47-418	FGS	1	27-Feb-2007 21:03:31.0	yes
04	(2) HD47536 (9) REF-HD47-249 (10) REF-HD47-281 (11) REF-HD47-286 (12) REF-HD47-350 (13) REF-HD47-418	FGS	1	27-Feb-2007 21:03:41.0	yes

Proposal 10989 (STScI Edit Number: 5, Created: Tuesday, February 27, 2007 9:10:57 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>
05	(2) HD47536 (9) REF-HD47-249 (10) REF-HD47-281 (11) REF-HD47-286 (12) REF-HD47-350 (13) REF-HD47-418	FGS	1	27-Feb-2007 21:03:50.0	yes
06	(2) HD47536 (9) REF-HD47-249 (10) REF-HD47-281 (11) REF-HD47-286 (12) REF-HD47-350 (13) REF-HD47-418	FGS	1	27-Feb-2007 21:03:59.0	yes
07	(7) HD33636 (47) REF-HD33-19 (55) REF-HD33-686 (57) REF-HD33-31 (58) REF-HD33-61 (59) REF-HD33-228 (60) REF-HD33-530	FGS	1	27-Feb-2007 21:04:10.0	yes
08	(7) HD33636 (47) REF-HD33-19 (55) REF-HD33-686 (57) REF-HD33-31 (58) REF-HD33-61 (59) REF-HD33-228 (60) REF-HD33-530	FGS	1	27-Feb-2007 21:04:22.0	yes

Proposal 10989 (STScI Edit Number: 5, Created: Tuesday, February 27, 2007 9:10:57 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>
09	(7) HD33636 (47) REF-HD33-19 (55) REF-HD33-686 (57) REF-HD33-31 (58) REF-HD33-61 (59) REF-HD33-228 (60) REF-HD33-530	FGS	1	27-Feb-2007 21:04:36.0	yes
10	(7) HD33636 (47) REF-HD33-19 (55) REF-HD33-686 (58) REF-HD33-61 (59) REF-HD33-228 (60) REF-HD33-530	FGS	1	27-Feb-2007 21:04:47.0	yes
11	(7) HD33636 (47) REF-HD33-19 (55) REF-HD33-686 (58) REF-HD33-61 (59) REF-HD33-228 (60) REF-HD33-530	FGS	1	27-Feb-2007 21:04:57.0	yes
12	(7) HD33636 (47) REF-HD33-19 (55) REF-HD33-686 (58) REF-HD33-61 (59) REF-HD33-228 (60) REF-HD33-530	FGS	1	27-Feb-2007 21:05:08.0	yes

Proposal 10989 (STScI Edit Number: 5, Created: Tuesday, February 27, 2007 9:10:57 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>
13	(3) HD136118 (14) REF-HD13-1 (16) REF-HD13-22 (17) REF-HD13-80 (19) REF-HD13-97	FGS	1	27-Feb-2007 21:05:19.0	yes
14	(3) HD136118 (14) REF-HD13-1 (16) REF-HD13-22 (17) REF-HD13-80 (19) REF-HD13-97	FGS	1	27-Feb-2007 21:05:34.0	yes
15	(3) HD136118 (14) REF-HD13-1 (16) REF-HD13-22 (17) REF-HD13-80 (19) REF-HD13-97	FGS	1	27-Feb-2007 21:05:46.0	yes
16	(3) HD136118 (14) REF-HD13-1 (16) REF-HD13-22 (17) REF-HD13-80 (19) REF-HD13-97	FGS	1	27-Feb-2007 21:05:58.0	yes
17	(3) HD136118 (14) REF-HD13-1 (16) REF-HD13-22 (17) REF-HD13-80 (19) REF-HD13-97	FGS	1	27-Feb-2007 21:06:10.0	yes

Proposal 10989 (STScI Edit Number: 5, Created: Tuesday, February 27, 2007 9:10:57 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>
18	(3) HD136118 (14) REF-HD13-1 (16) REF-HD13-22 (17) REF-HD13-80 (19) REF-HD13-97	FGS	1	27-Feb-2007 21:06:22.0	yes
19	(5) HD145675 (34) REF-HD14-276 (61) REF-HD14-86 (62) REF-HD14-180 (63) REF-HD14-208 (65) REF-HD14-344	FGS	1	27-Feb-2007 21:06:39.0	yes
20	(5) HD145675 (34) REF-HD14-276 (61) REF-HD14-86 (62) REF-HD14-180 (63) REF-HD14-208 (65) REF-HD14-344	FGS	1	27-Feb-2007 21:06:52.0	yes
21	(5) HD145675 (34) REF-HD14-276 (61) REF-HD14-86 (62) REF-HD14-180 (63) REF-HD14-208 (65) REF-HD14-344	FGS	1	27-Feb-2007 21:07:06.0	yes

Proposal 10989 (STScI Edit Number: 5, Created: Tuesday, February 27, 2007 9:10:57 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>
22	(5) HD145675 (34) REF-HD14-276 (61) REF-HD14-86 (62) REF-HD14-180 (63) REF-HD14-208 (65) REF-HD14-344	FGS	1	27-Feb-2007 21:07:20.0	yes
23	(5) HD145675 (34) REF-HD14-276 (61) REF-HD14-86 (62) REF-HD14-180 (63) REF-HD14-208 (65) REF-HD14-344	FGS	1	27-Feb-2007 21:07:38.0	yes
24	(5) HD145675 (34) REF-HD14-276 (61) REF-HD14-86 (62) REF-HD14-180 (63) REF-HD14-208 (65) REF-HD14-344	FGS	1	27-Feb-2007 21:07:53.0	yes
25	(6) HD38529 (38) REF-HD38-180 (39) REF-HD38-306 (41) REF-HD38-399 (43) REF-HD38-513 (46) REF-HD38-598	FGS	1	27-Feb-2007 21:08:07.0	yes

Proposal 10989 (STScI Edit Number: 5, Created: Tuesday, February 27, 2007 9:10:57 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>
26	(6) HD38529 (38) REF-HD38-180 (39) REF-HD38-306 (41) REF-HD38-399 (43) REF-HD38-513 (46) REF-HD38-598	FGS	1	27-Feb-2007 21:08:21.0	yes
27	(6) HD38529 (38) REF-HD38-180 (39) REF-HD38-306 (41) REF-HD38-399 (43) REF-HD38-513 (46) REF-HD38-598	FGS	1	27-Feb-2007 21:08:35.0	yes
28	(6) HD38529 (38) REF-HD38-180 (39) REF-HD38-306 (41) REF-HD38-399 (43) REF-HD38-513 (46) REF-HD38-598	FGS	1	27-Feb-2007 21:08:53.0	yes
29	(6) HD38529 (38) REF-HD38-180 (39) REF-HD38-306 (41) REF-HD38-399 (43) REF-HD38-513 (46) REF-HD38-598	FGS	1	27-Feb-2007 21:09:07.0	yes

Proposal 10989 (STScI Edit Number: 5, Created: Tuesday, February 27, 2007 9:10:57 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>
30	(6) HD38529 (38) REF-HD38-180 (39) REF-HD38-306 (41) REF-HD38-399 (43) REF-HD38-513 (46) REF-HD38-598	FGS	1	27-Feb-2007 21:09:25.0	yes
31	(4) HD168443 (20) REF-HD16-205 (22) REF-HD16-279 (23) REF-HD16-283 (25) REF-HD16-314	FGS	1	27-Feb-2007 21:09:39.0	yes
32	(4) HD168443 (20) REF-HD16-205 (22) REF-HD16-279 (23) REF-HD16-283 (25) REF-HD16-314	FGS	1	27-Feb-2007 21:09:53.0	yes
33	(4) HD168443 (20) REF-HD16-205 (22) REF-HD16-279 (23) REF-HD16-283 (25) REF-HD16-314	FGS	1	27-Feb-2007 21:10:10.0	yes
34	(4) HD168443 (20) REF-HD16-205 (22) REF-HD16-279 (23) REF-HD16-283 (25) REF-HD16-314	FGS	1	27-Feb-2007 21:10:25.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
35	(4) HD168443 (20) REF-HD16-205 (22) REF-HD16-279 (23) REF-HD16-283 (25) REF-HD16-314	FGS	1	27-Feb-2007 21:10:39.0	yes
36	(4) HD168443 (20) REF-HD16-205 (22) REF-HD16-279 (23) REF-HD16-283 (25) REF-HD16-314	FGS	1	27-Feb-2007 21:10:54.0	yes

37 Total Orbits Used

ABSTRACT

We propose observations with HST/FGS to estimate the astrometric elements (perturbation orbit semi-major axis and inclination) of extra-solar planets orbiting six stars. These companions were originally detected by radial velocity techniques. We have demonstrated that FGS astrometry of even a short segment of reflex motion, when combined with extensive radial velocity information, can yield useful inclination information (McArthur et al. 2004), allowing us to determine companion masses.

Extrasolar planet masses assist in two ongoing research frontiers. First, they provide useful boundary conditions for models of planetary formation and evolution of planetary systems. Second, knowing that a star in fact has a planetary mass companion, increases the value of that system to future extrasolar planet observation missions such as SIM PlanetQuest, TPF, and GAIA.

OBSERVING DESCRIPTION

We propose to obtain a group of observations (a group is six data sets = six orbits) at two epochs in Cycle 14 and one epoch in Cycle 15 to space the observations over a time span of about a year. Each group will be secured within two weeks. We have planned for the worst-case scenario, 2-gyro pointing control.

Co-I Harrison will obtain classification spectra and BVRI photometry for all reference stars. Co-I Patterson will obtain Washington-DDO photometry to confirm reference star luminosity class. We essentially model a volume of space when carrying out this astrometry. The more prior information we have about our reference frame, the more accurate our final result.

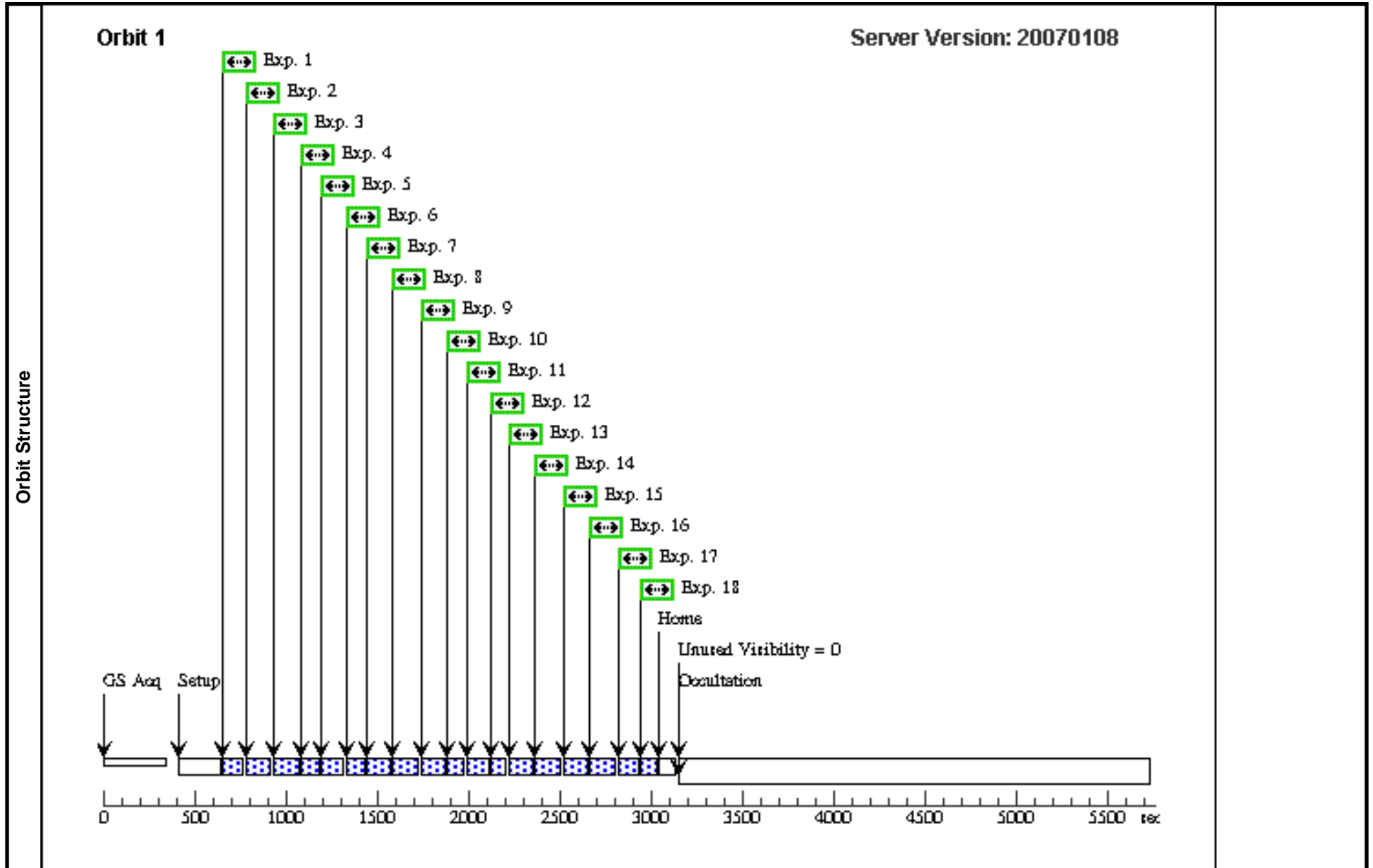
Proposal 10989 - Visit 01 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:10:58 GMT 2007

Visit		Proposal 10989, Visit 01, failed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 200.0D TO 228.0 D; BETWEEN 13-AUG-2006:00:00:00 AND 16-AUG-2006:00:00:00								
		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
Fixed Targets	(2)	HD47536	RA: 06 37 47.6189 (99.4484121d) Dec: -32 20 23.04 (-32.33973d) Equinox: J2000	Proper Motion RA: 0.0086s/yr Proper Motion Dec: 0.06413"/yr Parallax: 0.0824" Epoch of Position: 1991.25 Radial Velocity: 78.8 km/sec	V=5.26+/-0.01	Reference Frame: ICRS				
	(9)	REF-HD47-249	RA: 06 37 48.2210 (99.4509208d) Dec: -32 18 48.56 (-32.31349d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	(10)	REF-HD47-281	RA: 06 37 50.2660 (99.4594417d) Dec: -32 17 17.02 (-32.28806d) Equinox: J2000		V=13.7+/-0.2	Reference Frame: ICRS				
	(11)	REF-HD47-286	RA: 06 37 42.5160 (99.4271500d) Dec: -32 20 7.26 (-32.33535d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(12)	REF-HD47-350	RA: 06 37 59.0740 (99.4961417d) Dec: -32 17 5.24 (-32.28479d) Equinox: J2000		V=14.98+/-0.2	Reference Frame: ICRS				
	(13)	REF-HD47-418	RA: 06 37 56.4720 (99.4853000d) Dec: -32 17 41.53 (-32.29487d) Equinox: J2000		V=10.8+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(2) HD47536	FGS, POS, 1	F5ND		POS TARG 0,0	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]
	2	2	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	3	3	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	4	4	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	5	5	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
6	6	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]	

Proposal 10989 - Visit 01 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	7	(9) REF-HD47-249	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	8	8	(11) REF-HD47-286	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	9	9	(13) REF-HD47-418	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	10	10	(10) REF-HD47-281	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]
	11	11	(13) REF-HD47-418	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	12	12	(2) HD47536	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]
	13	13	(9) REF-HD47-249	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	14	14	(11) REF-HD47-286	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	15	15	(13) REF-HD47-418	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	16	16	(12) REF-HD47-350	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	17	17	(10) REF-HD47-281	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]
	18	18	(2) HD47536	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]



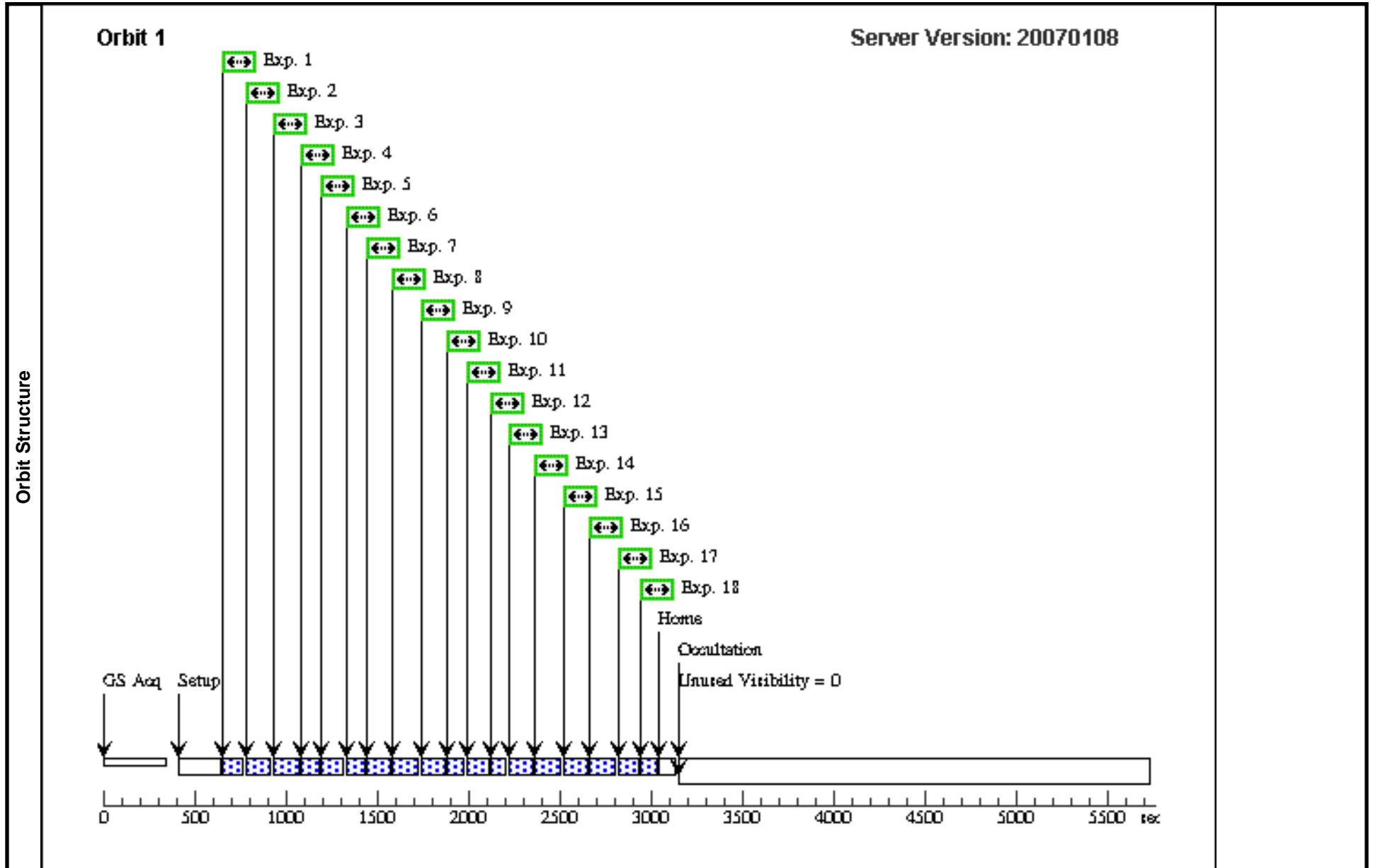
Proposal 10989 - Visit 51 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:00 GMT 2007

Visit	Proposal 10989, Visit 51, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 230.0D TO 265.0 D; BETWEEN 16-SEP-2006:00:00:00 AND 20-SEP-2006:00:00:00									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(2)	HD47536	RA: 06 37 47.6189 (99.4484121d) Dec: -32 20 23.04 (-32.33973d) Equinox: J2000	Proper Motion RA: 0.0086s/yr Proper Motion Dec: 0.06413"/yr Parallax: 0.0824" Epoch of Position: 1991.25 Radial Velocity: 78.8 km/sec	V=5.26+/-0.01	Reference Frame: ICRS				
	(9)	REF-HD47-249	RA: 06 37 48.2210 (99.4509208d) Dec: -32 18 48.56 (-32.31349d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	(10)	REF-HD47-281	RA: 06 37 50.2660 (99.4594417d) Dec: -32 17 17.02 (-32.28806d) Equinox: J2000		V=13.7+/-0.2	Reference Frame: ICRS				
	(11)	REF-HD47-286	RA: 06 37 42.5160 (99.4271500d) Dec: -32 20 7.26 (-32.33535d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(12)	REF-HD47-350	RA: 06 37 59.0740 (99.4961417d) Dec: -32 17 5.24 (-32.28479d) Equinox: J2000		V=14.98+/-0.2	Reference Frame: ICRS				
	(13)	REF-HD47-418	RA: 06 37 56.4720 (99.4853000d) Dec: -32 17 41.53 (-32.29487d) Equinox: J2000		V=10.8+/-0.2	Reference Frame: ICRS				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	1	(2) HD47536	FGS, POS, 1	F5ND		POS TARG 0,81	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]
	2	2	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	3	3	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	4	4	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	5	5	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	6	6	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]

Proposal 10989 - Visit 51 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	7	7	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	8	8	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	9	9	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	10	10	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]
	11	11	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	12	12	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]
	13	13	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	14	14	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	15	15	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
16	16	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]	
17	17	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]	
18	18	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]	



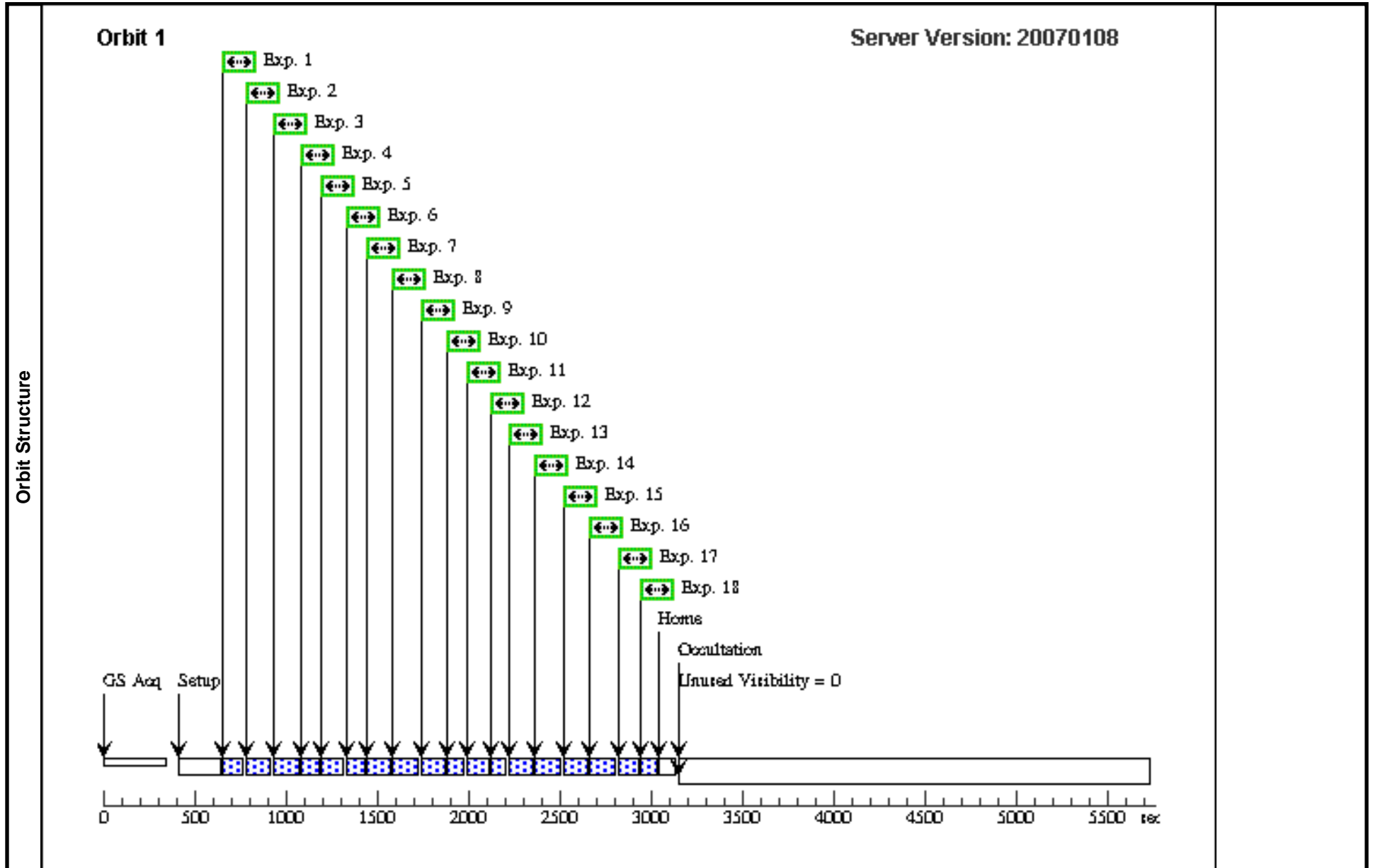
Proposal 10989 - Visit 02 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:01 GMT 2007

Visit	Proposal 10989, Visit 02, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 215.0D TO 235.0 D; BETWEEN 18-AUG-2006:00:00:00 AND 20-AUG-2006:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	HD47536	RA: 06 37 47.6189 (99.4484121d) Dec: -32 20 23.04 (-32.33973d) Equinox: J2000	Proper Motion RA: 0.0086s/yr Proper Motion Dec: 0.06413"/yr Parallax: 0.0824" Epoch of Position: 1991.25 Radial Velocity: 78.8 km/sec	V=5.26+/-0.01	Reference Frame: ICRS				
	(9)	REF-HD47-249	RA: 06 37 48.2210 (99.4509208d) Dec: -32 18 48.56 (-32.31349d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	(10)	REF-HD47-281	RA: 06 37 50.2660 (99.4594417d) Dec: -32 17 17.02 (-32.28806d) Equinox: J2000		V=13.7+/-0.2	Reference Frame: ICRS				
	(11)	REF-HD47-286	RA: 06 37 42.5160 (99.4271500d) Dec: -32 20 7.26 (-32.33535d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(12)	REF-HD47-350	RA: 06 37 59.0740 (99.4961417d) Dec: -32 17 5.24 (-32.28479d) Equinox: J2000		V=14.98+/-0.2	Reference Frame: ICRS				
	(13)	REF-HD47-418	RA: 06 37 56.4720 (99.4853000d) Dec: -32 17 41.53 (-32.29487d) Equinox: J2000		V=10.8+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(2) HD47536	FGS, POS, 1	F5ND		POS TARG -1,26	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]
	2	2	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	3	3	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	4	4	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	5	5	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	6	6	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]

Proposal 10989 - Visit 02 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	7	7	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	8	8	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	9	9	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	10	10	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]
	11	11	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	12	12	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]
	13	13	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	14	14	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	15	15	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
16	16	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]	
17	17	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]	
18	18	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]	



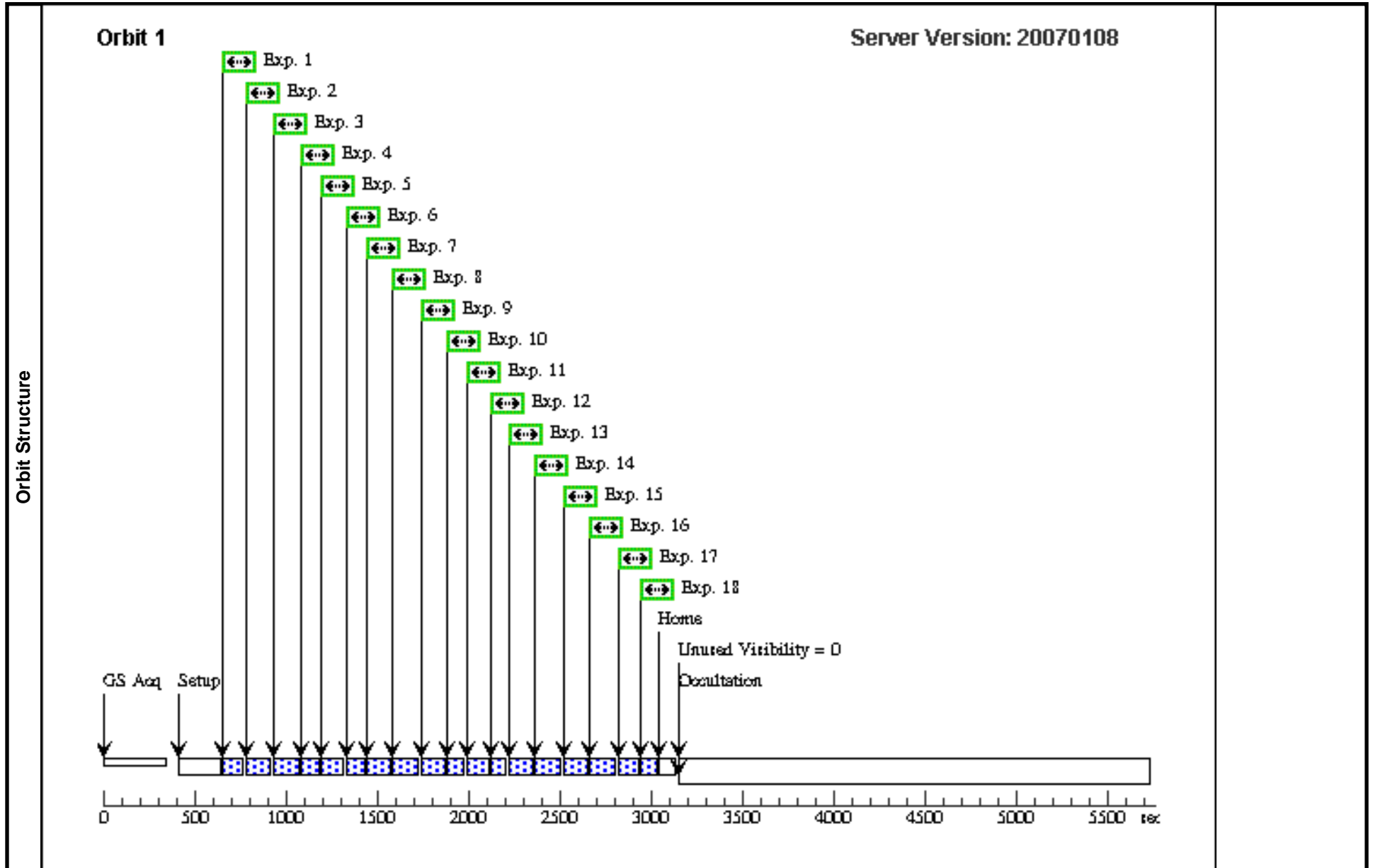
Proposal 10989 - Visit 03 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:02 GMT 2007

Visit	Proposal 10989, Visit 03, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 210.0D TO 238.0 D; BETWEEN 23-AUG-2006:00:00:00 AND 26-AUG-2006:00:00:00									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(2)	HD47536	RA: 06 37 47.6189 (99.4484121d) Dec: -32 20 23.04 (-32.33973d) Equinox: J2000	Proper Motion RA: 0.0086s/yr Proper Motion Dec: 0.06413"/yr Parallax: 0.0824" Epoch of Position: 1991.25 Radial Velocity: 78.8 km/sec	V=5.26+/-0.01	Reference Frame: ICRS				
	(9)	REF-HD47-249	RA: 06 37 48.2210 (99.4509208d) Dec: -32 18 48.56 (-32.31349d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	(10)	REF-HD47-281	RA: 06 37 50.2660 (99.4594417d) Dec: -32 17 17.02 (-32.28806d) Equinox: J2000		V=13.7+/-0.2	Reference Frame: ICRS				
	(11)	REF-HD47-286	RA: 06 37 42.5160 (99.4271500d) Dec: -32 20 7.26 (-32.33535d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(12)	REF-HD47-350	RA: 06 37 59.0740 (99.4961417d) Dec: -32 17 5.24 (-32.28479d) Equinox: J2000		V=14.98+/-0.2	Reference Frame: ICRS				
	(13)	REF-HD47-418	RA: 06 37 56.4720 (99.4853000d) Dec: -32 17 41.53 (-32.29487d) Equinox: J2000		V=10.8+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(2) HD47536	FGS, POS, 1	F5ND		POS TARG 0,31	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]
	2	2	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	3	3	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	4	4	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	5	5	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
6	6	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]	

Proposal 10989 - Visit 03 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	7	7	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	8	8	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	9	9	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	10	10	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	11	11	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	12	12	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]
	13	13	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	14	14	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	15	15	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
16	16	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]	
17	17	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]	
18	18	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]	



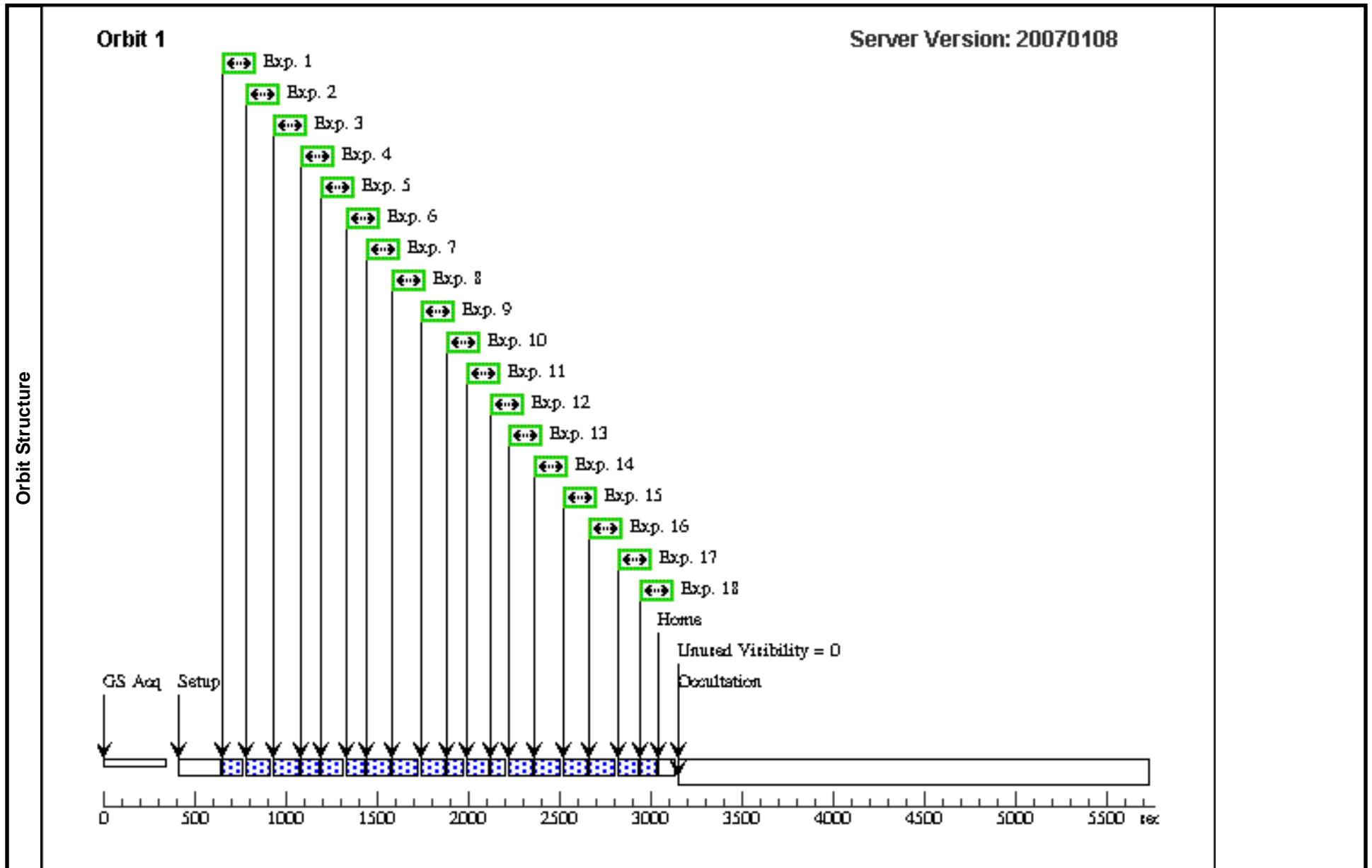
Proposal 10989 - Visit 04 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:03 GMT 2007

Visit	Proposal 10989, Visit 04, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 210.0D TO 242.0 D; BETWEEN 28-AUG-2006:00:00:00 AND 30-AUG-2006:00:00:00									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(2)	HD47536	RA: 06 37 47.6189 (99.4484121d) Dec: -32 20 23.04 (-32.33973d) Equinox: J2000	Proper Motion RA: 0.0086s/yr Proper Motion Dec: 0.06413"/yr Parallax: 0.0824" Epoch of Position: 1991.25 Radial Velocity: 78.8 km/sec	V=5.26+/-0.01	Reference Frame: ICRS				
	(9)	REF-HD47-249	RA: 06 37 48.2210 (99.4509208d) Dec: -32 18 48.56 (-32.31349d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	(10)	REF-HD47-281	RA: 06 37 50.2660 (99.4594417d) Dec: -32 17 17.02 (-32.28806d) Equinox: J2000		V=13.7+/-0.2	Reference Frame: ICRS				
	(11)	REF-HD47-286	RA: 06 37 42.5160 (99.4271500d) Dec: -32 20 7.26 (-32.33535d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(12)	REF-HD47-350	RA: 06 37 59.0740 (99.4961417d) Dec: -32 17 5.24 (-32.28479d) Equinox: J2000		V=14.98+/-0.2	Reference Frame: ICRS				
	(13)	REF-HD47-418	RA: 06 37 56.4720 (99.4853000d) Dec: -32 17 41.53 (-32.29487d) Equinox: J2000		V=10.8+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(2) HD47536	FGS, POS, 1	F5ND		POS TARG 0,41	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]
	2	2	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	3	3	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	4	4	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	5	5	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
6	6	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]	

Proposal 10989 - Visit 04 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	7	(9) REF-HD47-249	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	8	8	(11) REF-HD47-286	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	9	9	(13) REF-HD47-418	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	10	10	(10) REF-HD47-281	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]
	11	11	(13) REF-HD47-418	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	12	12	(2) HD47536	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]
	13	13	(9) REF-HD47-249	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	14	14	(11) REF-HD47-286	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	15	15	(13) REF-HD47-418	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	16	16	(12) REF-HD47-350	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	17	17	(10) REF-HD47-281	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]
	18	18	(2) HD47536	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]



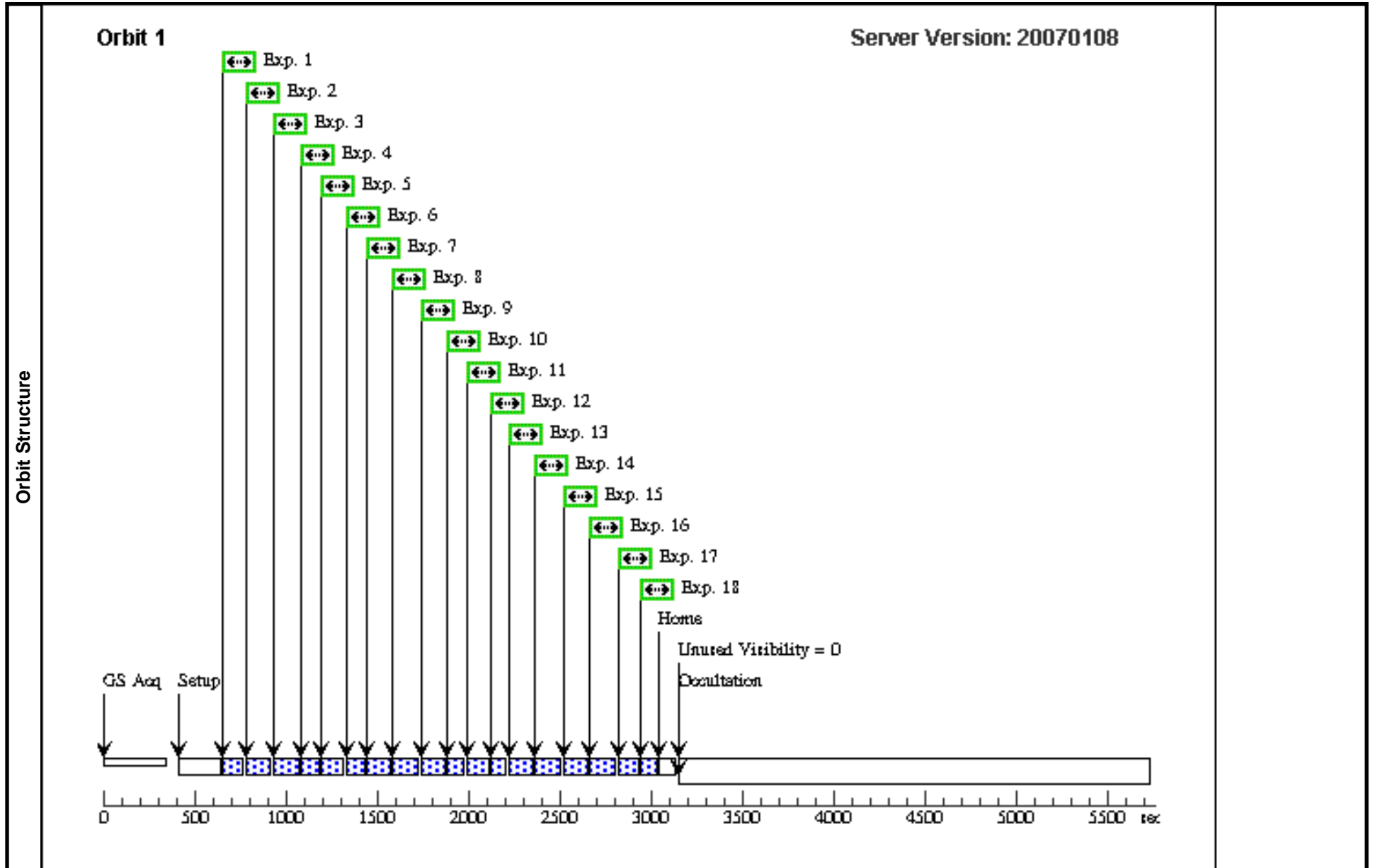
Proposal 10989 - Visit 05 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:05 GMT 2007

Visit	Proposal 10989, Visit 05, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 215.0D TO 246.0 D; BETWEEN 01-SEP-2006:00:00:00 AND 03-SEP-2006:00:00:00									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(2)	HD47536	RA: 06 37 47.6189 (99.4484121d) Dec: -32 20 23.04 (-32.33973d) Equinox: J2000	Proper Motion RA: 0.0086s/yr Proper Motion Dec: 0.06413"/yr Parallax: 0.0824" Epoch of Position: 1991.25 Radial Velocity: 78.8 km/sec	V=5.26+/-0.01	Reference Frame: ICRS				
	(9)	REF-HD47-249	RA: 06 37 48.2210 (99.4509208d) Dec: -32 18 48.56 (-32.31349d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	(10)	REF-HD47-281	RA: 06 37 50.2660 (99.4594417d) Dec: -32 17 17.02 (-32.28806d) Equinox: J2000		V=13.7+/-0.2	Reference Frame: ICRS				
	(11)	REF-HD47-286	RA: 06 37 42.5160 (99.4271500d) Dec: -32 20 7.26 (-32.33535d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(12)	REF-HD47-350	RA: 06 37 59.0740 (99.4961417d) Dec: -32 17 5.24 (-32.28479d) Equinox: J2000		V=14.98+/-0.2	Reference Frame: ICRS				
	(13)	REF-HD47-418	RA: 06 37 56.4720 (99.4853000d) Dec: -32 17 41.53 (-32.29487d) Equinox: J2000		V=10.8+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(2) HD47536	FGS, POS, 1	F5ND		POS TARG 0,47	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]
	2	2	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	3	3	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	4	4	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	5	5	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
6	6	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]	

Proposal 10989 - Visit 05 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	7	7	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	8	8	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	9	9	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	10	10	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]
	11	11	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	12	12	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]
	13	13	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	14	14	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	15	15	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
16	16	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]	
17	17	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]	
18	18	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]	



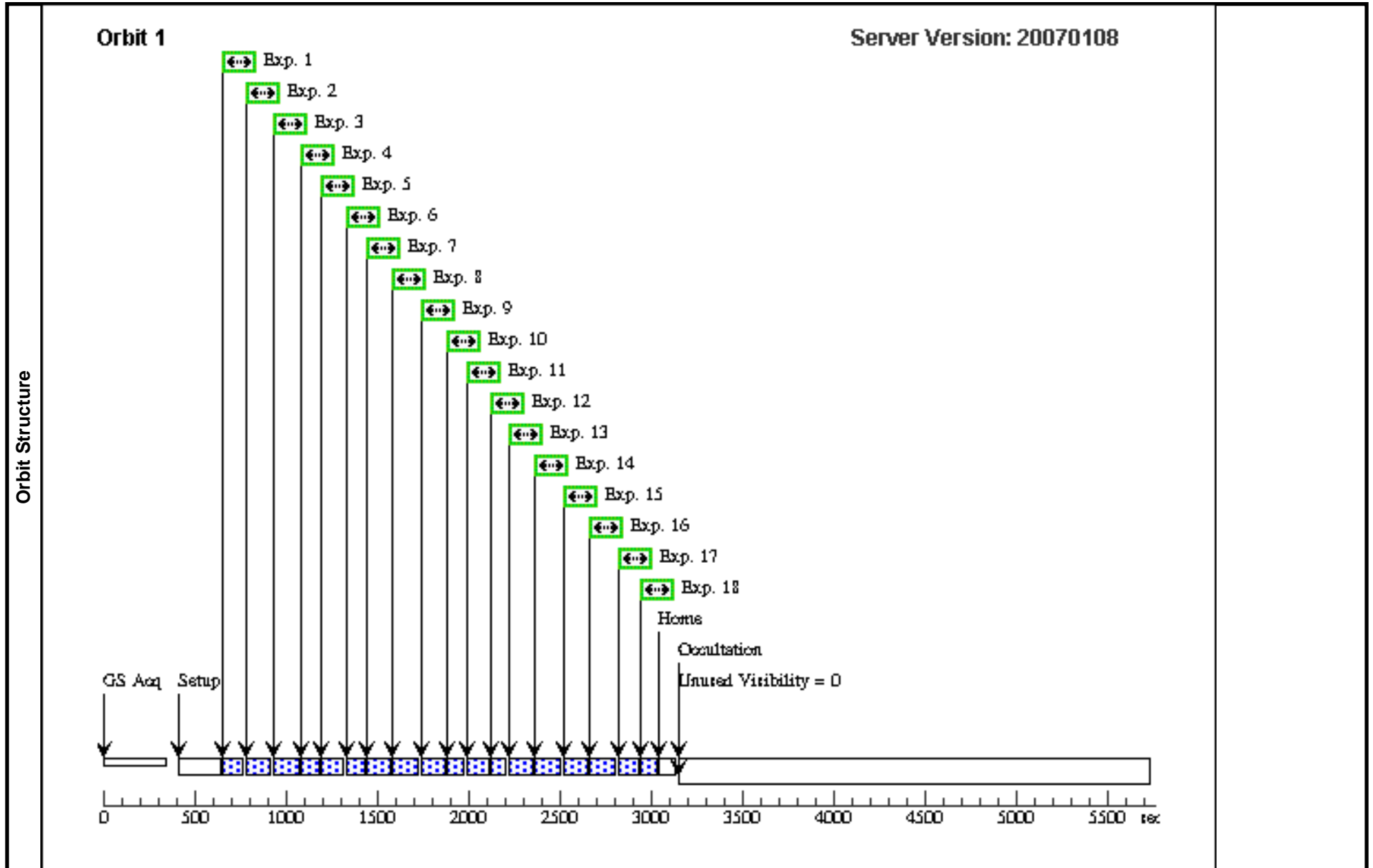
Proposal 10989 - Visit 06 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:05 GMT 2007

Visit	Proposal 10989, Visit 06, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 230.0D TO 265.0 D; BETWEEN 12-SEP-2006:00:00:00 AND 14-SEP-2006:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	HD47536	RA: 06 37 47.6189 (99.4484121d) Dec: -32 20 23.04 (-32.33973d) Equinox: J2000	Proper Motion RA: 0.0086s/yr Proper Motion Dec: 0.06413"/yr Parallax: 0.0824" Epoch of Position: 1991.25 Radial Velocity: 78.8 km/sec	V=5.26+/-0.01	Reference Frame: ICRS				
	(9)	REF-HD47-249	RA: 06 37 48.2210 (99.4509208d) Dec: -32 18 48.56 (-32.31349d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	(10)	REF-HD47-281	RA: 06 37 50.2660 (99.4594417d) Dec: -32 17 17.02 (-32.28806d) Equinox: J2000		V=13.7+/-0.2	Reference Frame: ICRS				
	(11)	REF-HD47-286	RA: 06 37 42.5160 (99.4271500d) Dec: -32 20 7.26 (-32.33535d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(12)	REF-HD47-350	RA: 06 37 59.0740 (99.4961417d) Dec: -32 17 5.24 (-32.28479d) Equinox: J2000		V=14.98+/-0.2	Reference Frame: ICRS				
	(13)	REF-HD47-418	RA: 06 37 56.4720 (99.4853000d) Dec: -32 17 41.53 (-32.29487d) Equinox: J2000		V=10.8+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(2) HD47536	FGS, POS, 1	F5ND		POS TARG 0,81	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]
	2	2	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	3	3	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [=>68.0 Secs]	[1]
	4	4	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	5	5	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [=>38.0 Secs]	[1]
	6	6	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [=>28.0 Secs]	[1]

Proposal 10989 - Visit 06 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	7	7	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	8	8	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	9	9	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	10	10	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]
	11	11	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	12	12	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]
	13	13	(9) REF-HD47-249	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	14	14	(11) REF-HD47-286	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
	15	15	(13) REF-HD47-418	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]
16	16	(12) REF-HD47-350	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	50.0 Secs [==>68.0 Secs]	[1]	
17	17	(10) REF-HD47-281	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-18 Non-Int	20.0 Secs [==>38.0 Secs]	[1]	
18	18	(2) HD47536	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-18 Non-Int	10.0 Secs [==>28.0 Secs]	[1]	



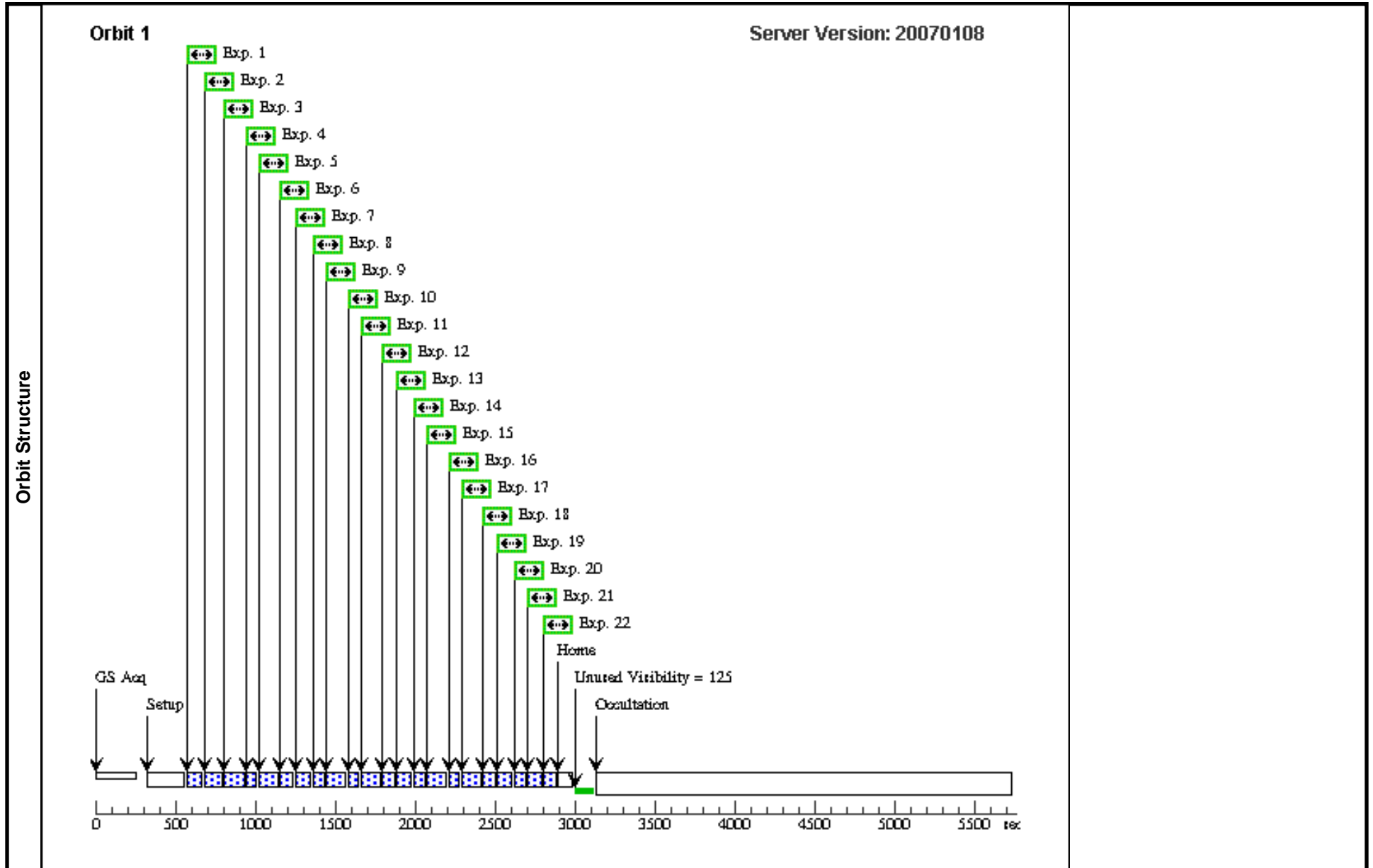
Proposal 10989 - Visit 07 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:06 GMT 2007

Visit	Proposal 10989, Visit 07, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 257.0D TO 259.0 D; BETWEEN 20-AUG-2006:00:00:00 AND 21-AUG-2006:00:00:00									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(7)	HD33636	RA: 05 11 46.4490 (77.9435375d) Dec: +04 24 12.74 (4.40354d) Equinox: J2000	Proper Motion RA: 0.01209s/yr Proper Motion Dec: -0.13732"/yr Parallax: 0.03485" Epoch of Position: 1991.25 Radial Velocity: 5.3 km/sec	V=7.06+/-0.02	Reference Frame: ICRS				
	(47)	REF-HD33-19	RA: 05 11 51.1540 (77.9631417d) Dec: +04 23 45.67 (4.39602d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(55)	REF-HD33-686	RA: 05 11 51.0340 (77.9626417d) Dec: +04 24 14.26 (4.40396d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(57)	REF-HD33-31	RA: 05 11 52.9490 (77.9706208d) Dec: +04 27 24.08 (4.45669d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(58)	REF-HD33-61	RA: 05 11 58.5500 (77.9939583d) Dec: +04 26 17.05 (4.43807d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(59)	REF-HD33-228	RA: 05 11 45.0100 (77.9375417d) Dec: +04 26 39.48 (4.44430d) Equinox: J2000		V=14.7+/-0.2	Reference Frame: ICRS				
	(60)	REF-HD33-530	RA: 05 12 2.3020 (78.0095917d) Dec: +04 26 32.14 (4.44226d) Equinox: J2000		V=9.6+/-0.2	Reference Frame: ICRS				
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]
1		1	(7) HD33636	FGS, POS, 1	F5ND		POS TARG -13,60; GS ACQ SCENARI O ONEBIT	Sequence 1-22 Non-I nt	10.0 Secs [==>]	[1]
2		2	(47) REF-HD33-19	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	30.0 Secs [==>]	[1]
3		3	(57) REF-HD33-31	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	30.0 Secs [==>]	[1]
4		4	(58) REF-HD33-61	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	10.0 Secs [==>]	[1]

Proposal 10989 - Visit 07 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	5	5	(59) REF-HD33-228 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	6	6	(60) REF-HD33-530 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	7	7	(55) REF-HD33-686 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	8	8	(7) HD33636 FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	9	9	(57) REF-HD33-31 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	10	10	(58) REF-HD33-61 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	11	11	(59) REF-HD33-228 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	12	12	(60) REF-HD33-530 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	13	13	(55) REF-HD33-686 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	14	14	(7) HD33636 FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	15	15	(57) REF-HD33-31 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	16	16	(58) REF-HD33-61 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	17	17	(59) REF-HD33-228 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	18	18	(60) REF-HD33-530 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	19	19	(55) REF-HD33-686 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	20	20	(7) HD33636 FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	21	21	(55) REF-HD33-686 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	22	22	(60) REF-HD33-530 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]



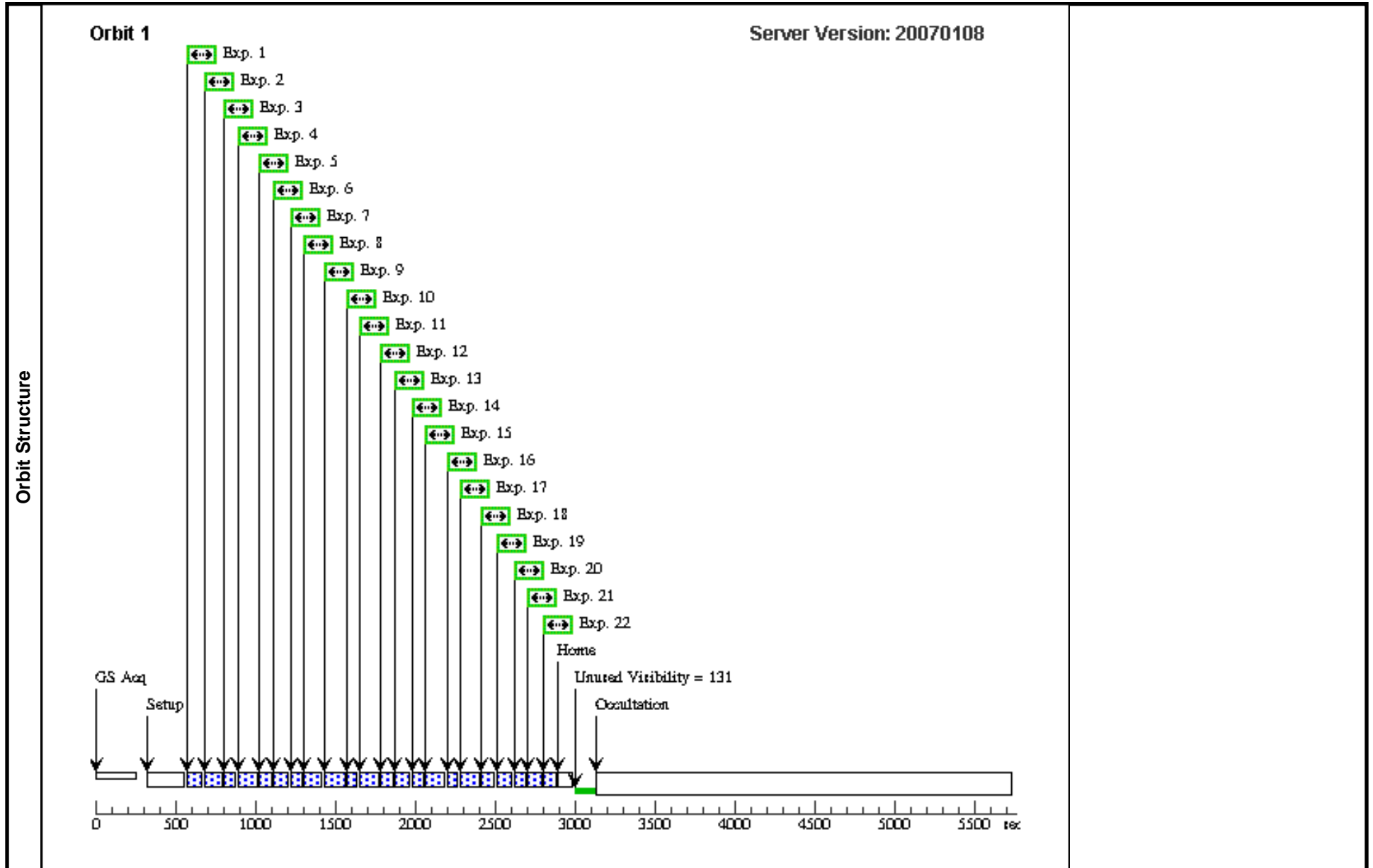
Proposal 10989 - Visit 08 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:07 GMT 2007

Visit	Proposal 10989, Visit 08, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: SCHED 70%; ORIENT 257.0D TO 259.0 D; BETWEEN 22-AUG-2006:00:00:00 AND 23-AUG-2006:00:00:00									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(7)	HD33636	RA: 05 11 46.4490 (77.9435375d) Dec: +04 24 12.74 (4.40354d) Equinox: J2000	Proper Motion RA: 0.01209s/yr Proper Motion Dec: -0.13732"/yr Parallax: 0.03485" Epoch of Position: 1991.25 Radial Velocity: 5.3 km/sec	V=7.06+/-0.02	Reference Frame: ICRS				
	(47)	REF-HD33-19	RA: 05 11 51.1540 (77.9631417d) Dec: +04 23 45.67 (4.39602d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(55)	REF-HD33-686	RA: 05 11 51.0340 (77.9626417d) Dec: +04 24 14.26 (4.40396d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(57)	REF-HD33-31	RA: 05 11 52.9490 (77.9706208d) Dec: +04 27 24.08 (4.45669d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(58)	REF-HD33-61	RA: 05 11 58.5500 (77.9939583d) Dec: +04 26 17.05 (4.43807d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(59)	REF-HD33-228	RA: 05 11 45.0100 (77.9375417d) Dec: +04 26 39.48 (4.44430d) Equinox: J2000		V=14.7+/-0.2	Reference Frame: ICRS				
	(60)	REF-HD33-530	RA: 05 12 2.3020 (78.0095917d) Dec: +04 26 32.14 (4.44226d) Equinox: J2000		V=9.6+/-0.2	Reference Frame: ICRS				
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]
1		1	(7) HD33636	FGS, POS, 1	F5ND		POS TARG -13,60; GS ACQ SCENARI O ONEBIT	Sequence 1-22 Non-I nt	10.0 Secs [==>]	[1]
2		2	(47) REF-HD33-19	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	30.0 Secs [==>]	[1]
3		3	(58) REF-HD33-61	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	10.0 Secs [==>]	[1]
4		4	(59) REF-HD33-228	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	30.0 Secs [==>]	[1]

Proposal 10989 - Visit 08 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	5	5	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	6	6	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	7	7	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	8	8	(47) REF-HD33-19	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	9	9	(57) REF-HD33-31	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	10	10	(58) REF-HD33-61	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	11	11	(59) REF-HD33-228	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	12	12	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	13	13	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	14	14	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	15	15	(57) REF-HD33-31	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	16	16	(58) REF-HD33-61	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	17	17	(59) REF-HD33-228	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	18	18	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	19	19	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	20	20	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	21	21	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	22	22	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]



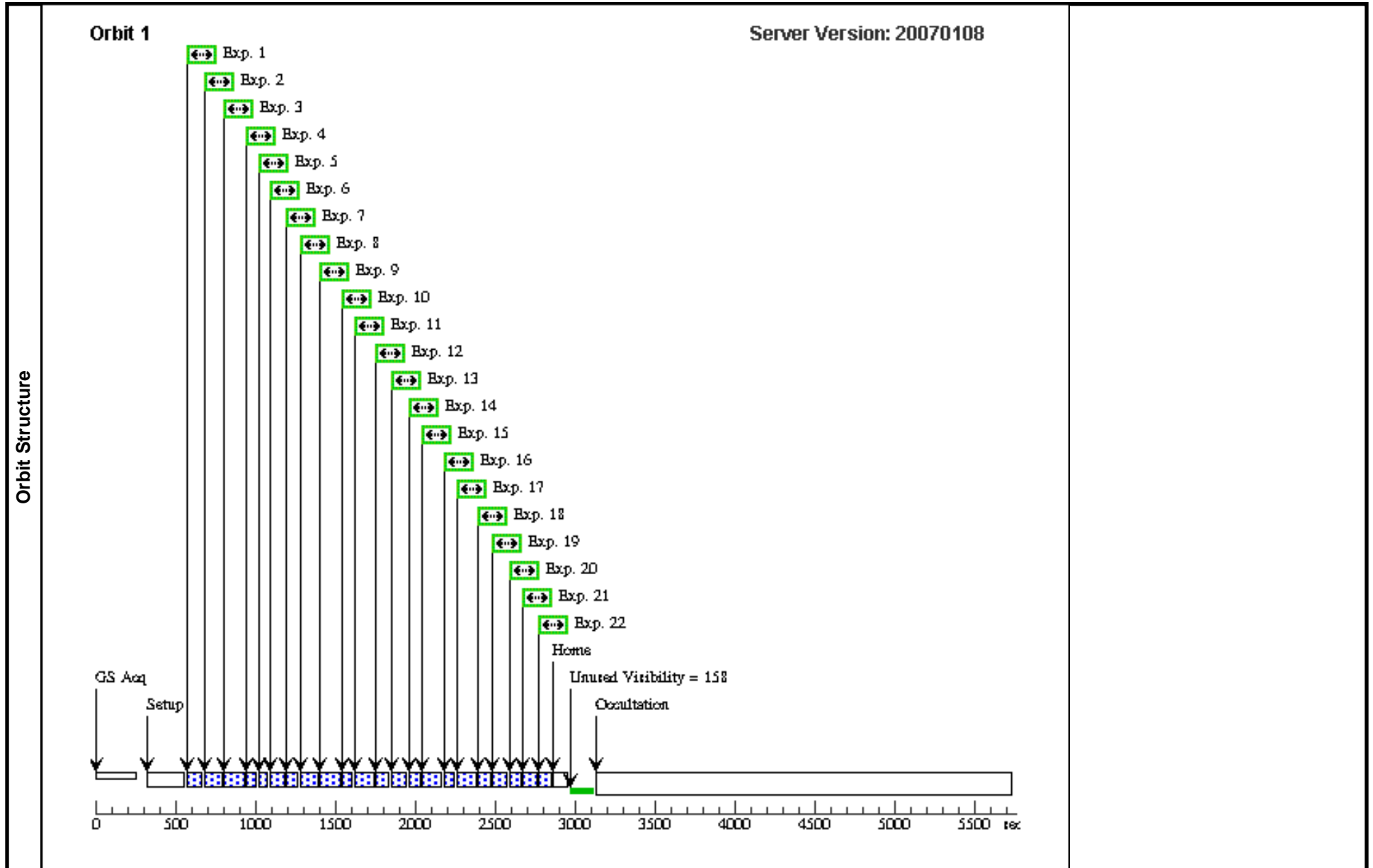
Proposal 10989 - Visit 09 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:08 GMT 2007

Visit	Proposal 10989, Visit 09, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 257.0D TO 259.0 D; BETWEEN 24-AUG-2006:00:00:00 AND 25-AUG-2006:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	HD33636	RA: 05 11 46.4490 (77.9435375d) Dec: +04 24 12.74 (4.40354d) Equinox: J2000	Proper Motion RA: 0.01209s/yr Proper Motion Dec: -0.13732"/yr Parallax: 0.03485" Epoch of Position: 1991.25 Radial Velocity: 5.3 km/sec	V=7.06+/-0.02	Reference Frame: ICRS				
	(47)	REF-HD33-19	RA: 05 11 51.1540 (77.9631417d) Dec: +04 23 45.67 (4.39602d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(55)	REF-HD33-686	RA: 05 11 51.0340 (77.9626417d) Dec: +04 24 14.26 (4.40396d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(57)	REF-HD33-31	RA: 05 11 52.9490 (77.9706208d) Dec: +04 27 24.08 (4.45669d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(58)	REF-HD33-61	RA: 05 11 58.5500 (77.9939583d) Dec: +04 26 17.05 (4.43807d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(59)	REF-HD33-228	RA: 05 11 45.0100 (77.9375417d) Dec: +04 26 39.48 (4.44430d) Equinox: J2000		V=14.7+/-0.2	Reference Frame: ICRS				
	(60)	REF-HD33-530	RA: 05 12 2.3020 (78.0095917d) Dec: +04 26 32.14 (4.44226d) Equinox: J2000		V=9.6+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(7) HD33636	FGS, POS, 1	F5ND		POS TARG -13,60; GS ACQ SCENARI O ONEBIT	Sequence 1-22 Non-I nt	10.0 Secs [==>]	[1]
	2	2	(47) REF-HD33-19	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	30.0 Secs [==>]	[1]
	3	3	(57) REF-HD33-31	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	30.0 Secs [==>]	[1]
	4	4	(58) REF-HD33-61	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-I nt	10.0 Secs [==>]	[1]

Proposal 10989 - Visit 09 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	5	5	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	6	6	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	7	7	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	8	8	(47) REF-HD33-19	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	9	9	(57) REF-HD33-31	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	10	10	(58) REF-HD33-61	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	11	11	(59) REF-HD33-228	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	12	12	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	13	13	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	14	14	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	15	15	(57) REF-HD33-31	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	16	16	(58) REF-HD33-61	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	17	17	(59) REF-HD33-228	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30.0 Secs [==>]	[1]
	18	18	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]
	19	19	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	20	20	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	21	21	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	20.0 Secs [==>]	[1]
	22	22	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10.0 Secs [==>]	[1]



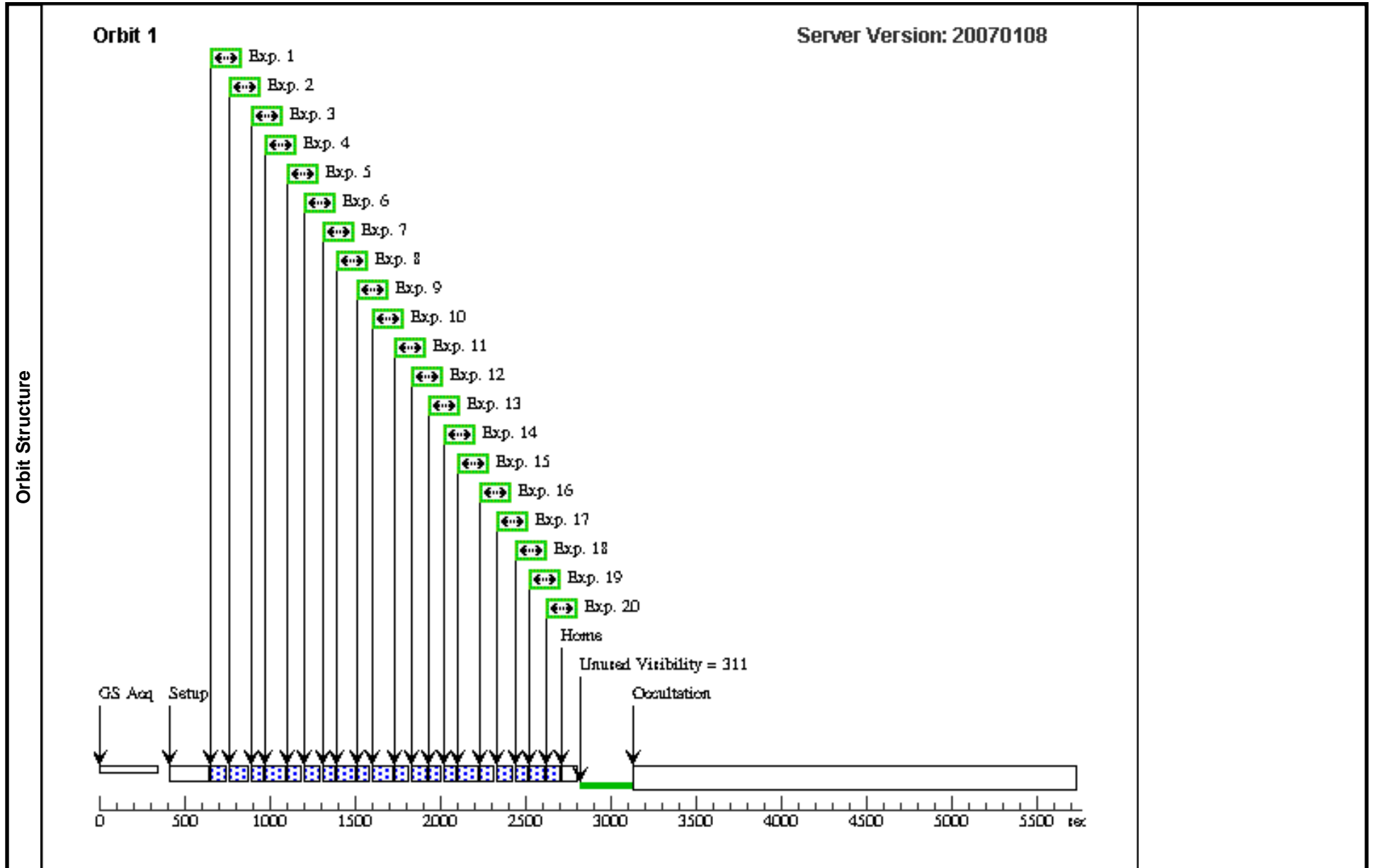
Proposal 10989 - Visit 10 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:09 GMT 2007

Visit	Proposal 10989, Visit 10, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: SCHED 70%; ORIENT 279.0D TO 294.0 D; BETWEEN 22-OCT-2006:14:49:42 AND 24-OCT-2006:14:49:42									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(7)	HD33636	RA: 05 11 46.4490 (77.9435375d) Dec: +04 24 12.74 (4.40354d) Equinox: J2000	Proper Motion RA: 0.01209s/yr Proper Motion Dec: -0.13732"/yr Parallax: 0.03485" Epoch of Position: 1991.25 Radial Velocity: 5.3 km/sec	V=7.06+/-0.02	Reference Frame: ICRS				
	(47)	REF-HD33-19	RA: 05 11 51.1540 (77.9631417d) Dec: +04 23 45.67 (4.39602d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(55)	REF-HD33-686	RA: 05 11 51.0340 (77.9626417d) Dec: +04 24 14.26 (4.40396d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(58)	REF-HD33-61	RA: 05 11 58.5500 (77.9939583d) Dec: +04 26 17.05 (4.43807d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(59)	REF-HD33-228	RA: 05 11 45.0100 (77.9375417d) Dec: +04 26 39.48 (4.44430d) Equinox: J2000		V=14.7+/-0.2	Reference Frame: ICRS				
	(60)	REF-HD33-530	RA: 05 12 2.3020 (78.0095917d) Dec: +04 26 32.14 (4.44226d) Equinox: J2000		V=9.6+/-0.2	Reference Frame: ICRS				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	1	(7) HD33636	FGS, POS, 1	F5ND		POS TARG 99,72	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]	
2	2	(47) REF-HD33-19	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]	
3	4	(58) REF-HD33-61	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]	
4	5	(59) REF-HD33-228	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]	
5	6	(60) REF-HD33-530	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]	
6	7	(55) REF-HD33-686	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]	

Proposal 10989 - Visit 10 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	8	9	(47) REF-HD33-19	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]
	9	11	(58) REF-HD33-61	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	10	12	(59) REF-HD33-228	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]
	11	13	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	12	14	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	13	15	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	14	16	(58) REF-HD33-61	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	15	17	(59) REF-HD33-228	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]
	16	18	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	17	19	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	18	20	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	19	21	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	20	22	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]



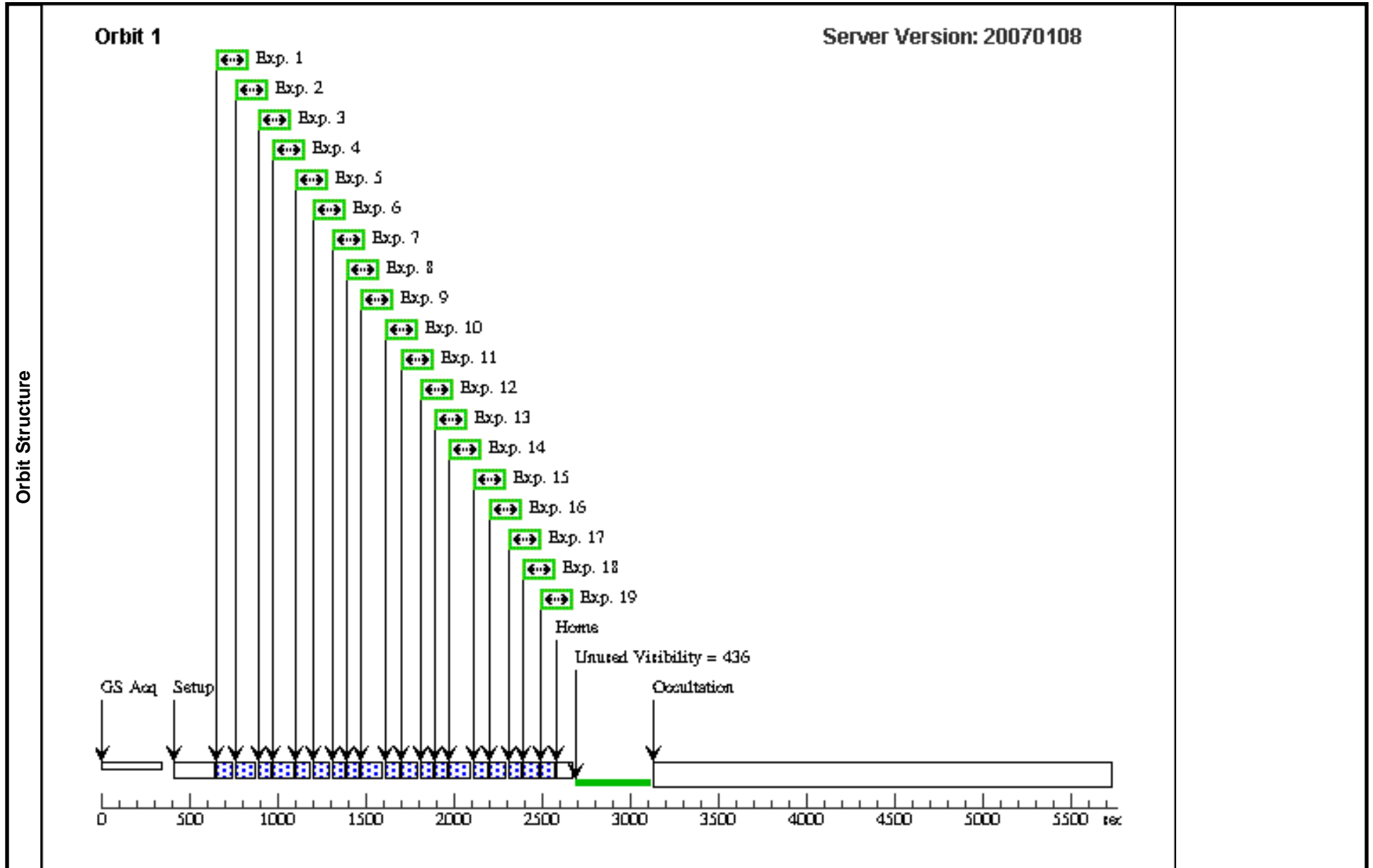
Proposal 10989 - Visit 11 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:10 GMT 2007

Visit	Proposal 10989, Visit 11, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: SCHED 70%; ORIENT 280.0D TO 292.0 D; BETWEEN 24-OCT-2006:14:49:42 AND 25-OCT-2006:14:49:42									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(7)	HD33636	RA: 05 11 46.4490 (77.9435375d) Dec: +04 24 12.74 (4.40354d) Equinox: J2000	Proper Motion RA: 0.01209s/yr Proper Motion Dec: -0.13732"/yr Parallax: 0.03485" Epoch of Position: 1991.25 Radial Velocity: 5.3 km/sec	V=7.06+/-0.02	Reference Frame: ICRS				
	(47)	REF-HD33-19	RA: 05 11 51.1540 (77.9631417d) Dec: +04 23 45.67 (4.39602d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(55)	REF-HD33-686	RA: 05 11 51.0340 (77.9626417d) Dec: +04 24 14.26 (4.40396d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(58)	REF-HD33-61	RA: 05 11 58.5500 (77.9939583d) Dec: +04 26 17.05 (4.43807d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(59)	REF-HD33-228	RA: 05 11 45.0100 (77.9375417d) Dec: +04 26 39.48 (4.44430d) Equinox: J2000		V=14.7+/-0.2	Reference Frame: ICRS				
	(60)	REF-HD33-530	RA: 05 12 2.3020 (78.0095917d) Dec: +04 26 32.14 (4.44226d) Equinox: J2000		V=9.6+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(7) HD33636	FGS, POS, 1	F5ND		POS TARG 54,80	Sequence 1-19 Non-Int	10.0 Secs [==>]	[1]
	2	2	(47) REF-HD33-19	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	30.0 Secs [==>]	[1]
	3	4	(58) REF-HD33-61	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	10.0 Secs [==>]	[1]
	4	5	(59) REF-HD33-228	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	30.0 Secs [==>]	[1]
	5	6	(60) REF-HD33-530	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	10.0 Secs [==>]	[1]
	6	7	(55) REF-HD33-686	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	20.0 Secs [==>]	[1]

Proposal 10989 - Visit 11 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(7) HD33636	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-19 Non-Int	20.0 Secs [==>]	[1]
	8	10	(58) REF-HD33-61	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	10.0 Secs [==>]	[1]
	9	11	(59) REF-HD33-228	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	30.0 Secs [==>]	[1]
	10	12	(60) REF-HD33-530	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	10.0 Secs [==>]	[1]
	11	13	(55) REF-HD33-686	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	20.0 Secs [==>]	[1]
	12	14	(7) HD33636	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-19 Non-Int	20.0 Secs [==>]	[1]
	13	16	(58) REF-HD33-61	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	10.0 Secs [==>]	[1]
	14	17	(59) REF-HD33-228	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	30.0 Secs [==>]	[1]
	15	18	(60) REF-HD33-530	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	10.0 Secs [==>]	[1]
	16	19	(55) REF-HD33-686	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	20.0 Secs [==>]	[1]
	17	20	(7) HD33636	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-19 Non-Int	20.0 Secs [==>]	[1]
	18	21	(55) REF-HD33-686	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	20.0 Secs [==>]	[1]
	19	22	(60) REF-HD33-530	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-Int	10.0 Secs [==>]	[1]



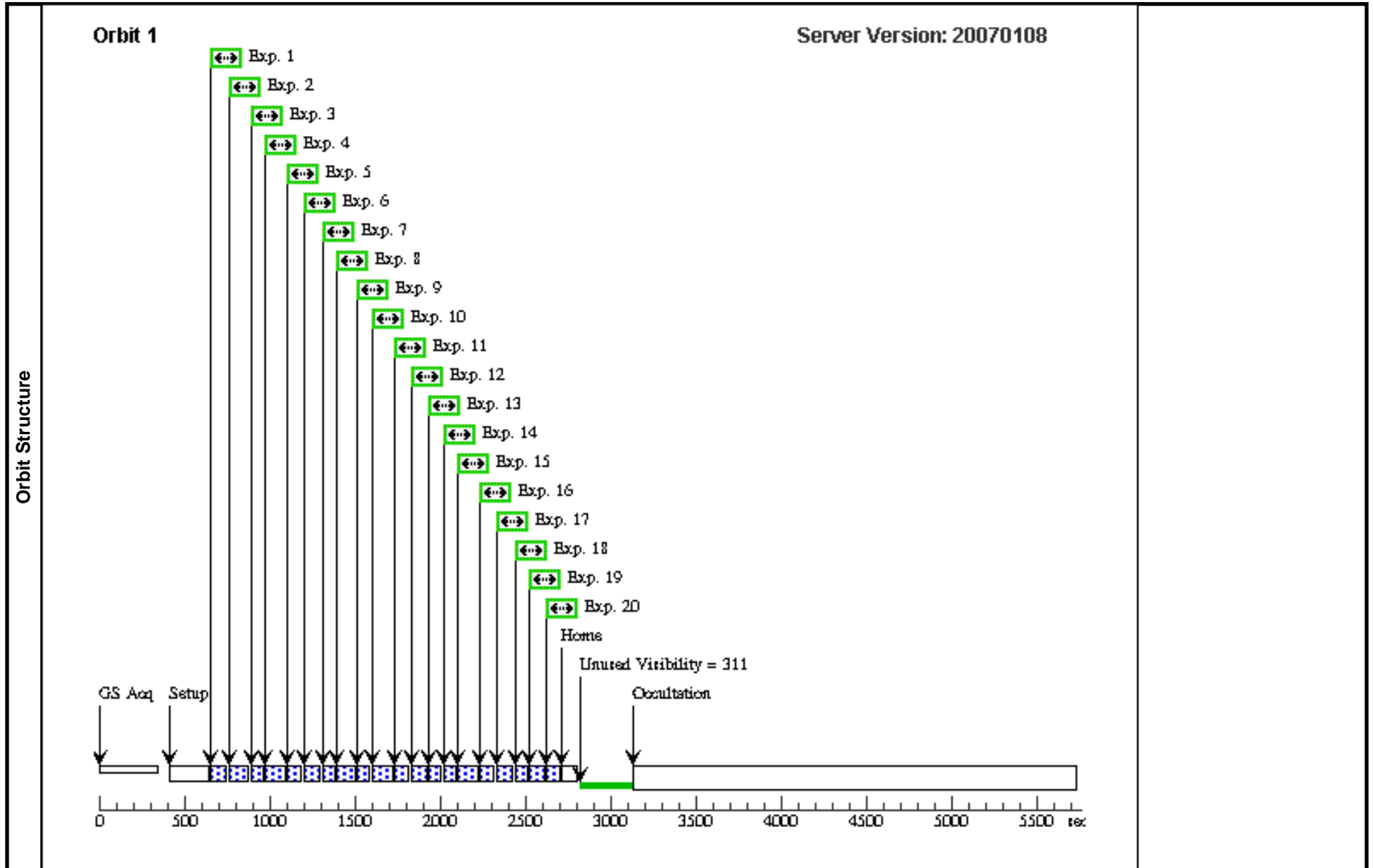
Proposal 10989 - Visit 12 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:11 GMT 2007

Visit	Proposal 10989, Visit 12, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 281.0D TO 296.0 D; BETWEEN 26-OCT-2006:14:49:42 AND 27-OCT-2006:14:49:42										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	HD33636	RA: 05 11 46.4490 (77.9435375d) Dec: +04 24 12.74 (4.40354d) Equinox: J2000	Proper Motion RA: 0.01209s/yr Proper Motion Dec: -0.13732"/yr Parallax: 0.03485" Epoch of Position: 1991.25 Radial Velocity: 5.3 km/sec	V=7.06+/-0.02	Reference Frame: ICRS				
	(47)	REF-HD33-19	RA: 05 11 51.1540 (77.9631417d) Dec: +04 23 45.67 (4.39602d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(55)	REF-HD33-686	RA: 05 11 51.0340 (77.9626417d) Dec: +04 24 14.26 (4.40396d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(58)	REF-HD33-61	RA: 05 11 58.5500 (77.9939583d) Dec: +04 26 17.05 (4.43807d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(59)	REF-HD33-228	RA: 05 11 45.0100 (77.9375417d) Dec: +04 26 39.48 (4.44430d) Equinox: J2000		V=14.7+/-0.2	Reference Frame: ICRS				
	(60)	REF-HD33-530	RA: 05 12 2.3020 (78.0095917d) Dec: +04 26 32.14 (4.44226d) Equinox: J2000		V=9.6+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(7) HD33636	FGS, POS, 1	F5ND		POS TARG 130,67	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	2	2	(47) REF-HD33-19	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]
	3	4	(58) REF-HD33-61	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	4	5	(59) REF-HD33-228	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]
	5	6	(60) REF-HD33-530	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	6	7	(55) REF-HD33-686	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]

Proposal 10989 - Visit 12 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	8	9	(47) REF-HD33-19	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]
	9	10	(58) REF-HD33-61	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	10	11	(59) REF-HD33-228	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]
	11	12	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	12	13	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	13	14	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	14	16	(58) REF-HD33-61	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	15	17	(59) REF-HD33-228	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	30.0 Secs [==>]	[1]
	16	18	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	17	19	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	18	20	(7) HD33636	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	19	21	(55) REF-HD33-686	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	20.0 Secs [==>]	[1]
	20	22	(60) REF-HD33-530	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]



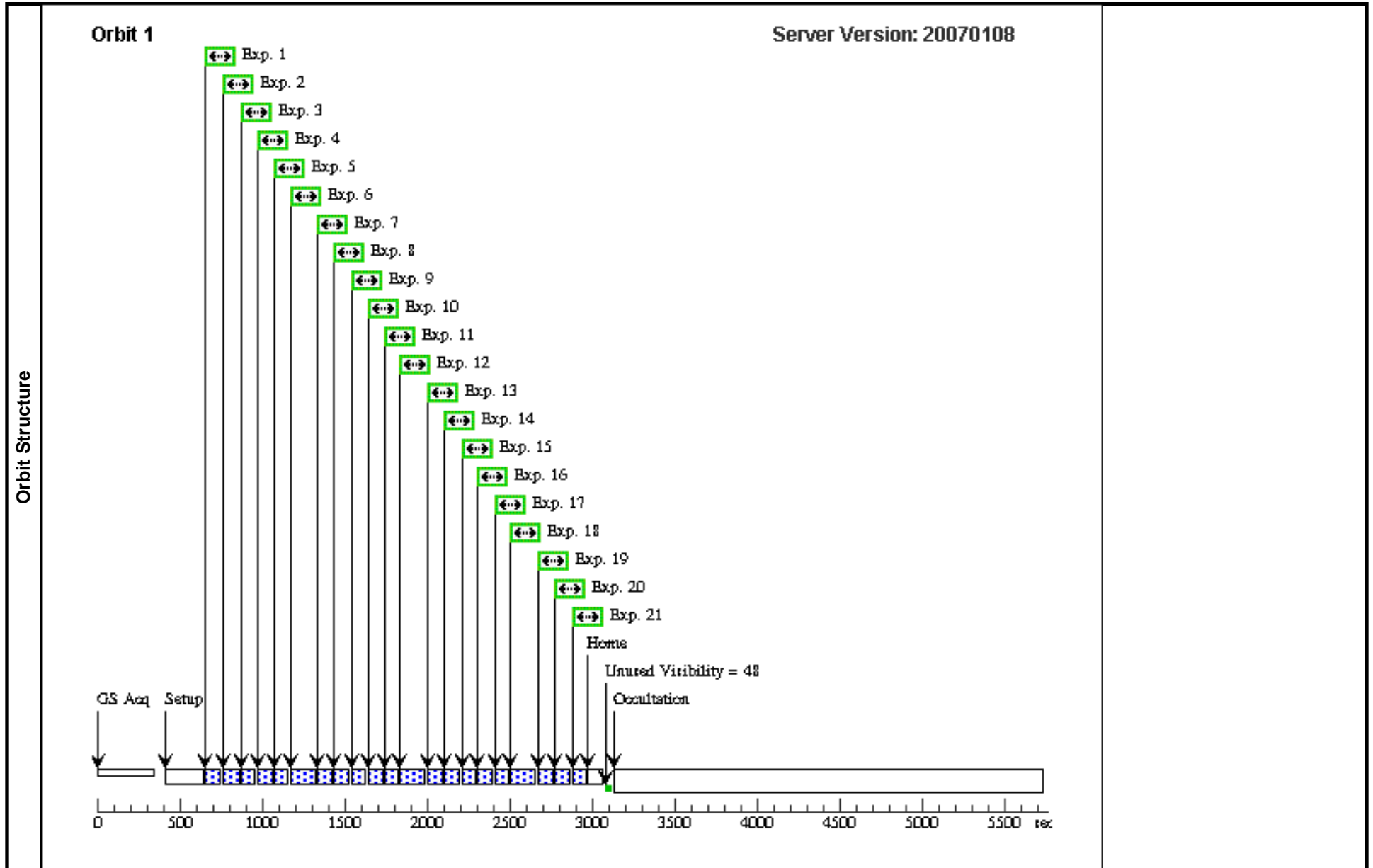
Proposal 10989 - Visit 13 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:12 GMT 2007

Visit		Proposal 10989, Visit 13, scheduling							
		Diagnostic Status: No Diagnostics							
Fixed Targets		Scientific Instruments: FGS							
		Special Requirements: SCHED 70%; ORIENT 279.0D TO 288.0 D; BETWEEN 01-MAR-2007:01:00:00 AND 03-MAR-2007:01:00:00							
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(3)	HD136118	RA: 15 18 55.4719 (229.7311329d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000	Proper Motion RA: -0.00827s/yr Proper Motion Dec: 0.0235"/yr Parallax: 0.01913" Epoch of Position: 1991.25 Radial Velocity: -3.6 km/sec	V=6.94+/-0.02	Reference Frame: ICRS				
(14)	REF-HD13-1	RA: 15 18 57.4340 (229.7393083d) Dec: -01 37 41.45 (-1.62818d) Equinox: J2000		V=14.2+/-0.2	Reference Frame: ICRS				
(16)	REF-HD13-22	RA: 15 19 4.3150 (229.7679792d) Dec: -01 35 26.05 (-1.59057d) Equinox: J2000		V=13.0+/-0.2	Reference Frame: ICRS				
(17)	REF-HD13-80	RA: 15 18 53.6180 (229.7234083d) Dec: -01 36 32.29 (-1.60897d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS				
(19)	REF-HD13-97	RA: 15 19 8.7140 (229.7863083d) Dec: -01 38 23.75 (-1.63993d) Equinox: J2000		V=15.2+/-0.2	Reference Frame: ICRS				
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	1	(3) HD136118	FGS, POS, 1	F5ND		POS TARG -58,-55	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
2	2	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
3	3	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
4	4	(17) REF-HD13-80	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
5	5	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
6	6	(19) REF-HD13-97	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
7	7	(3) HD136118	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
8	8	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]

Proposal 10989 - Visit 13 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	11	11	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	12	12	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	13	13	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	14	14	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	15	15	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	16	16	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	17	17	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	18	18	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	19	19	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	20	20	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	21	21	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]



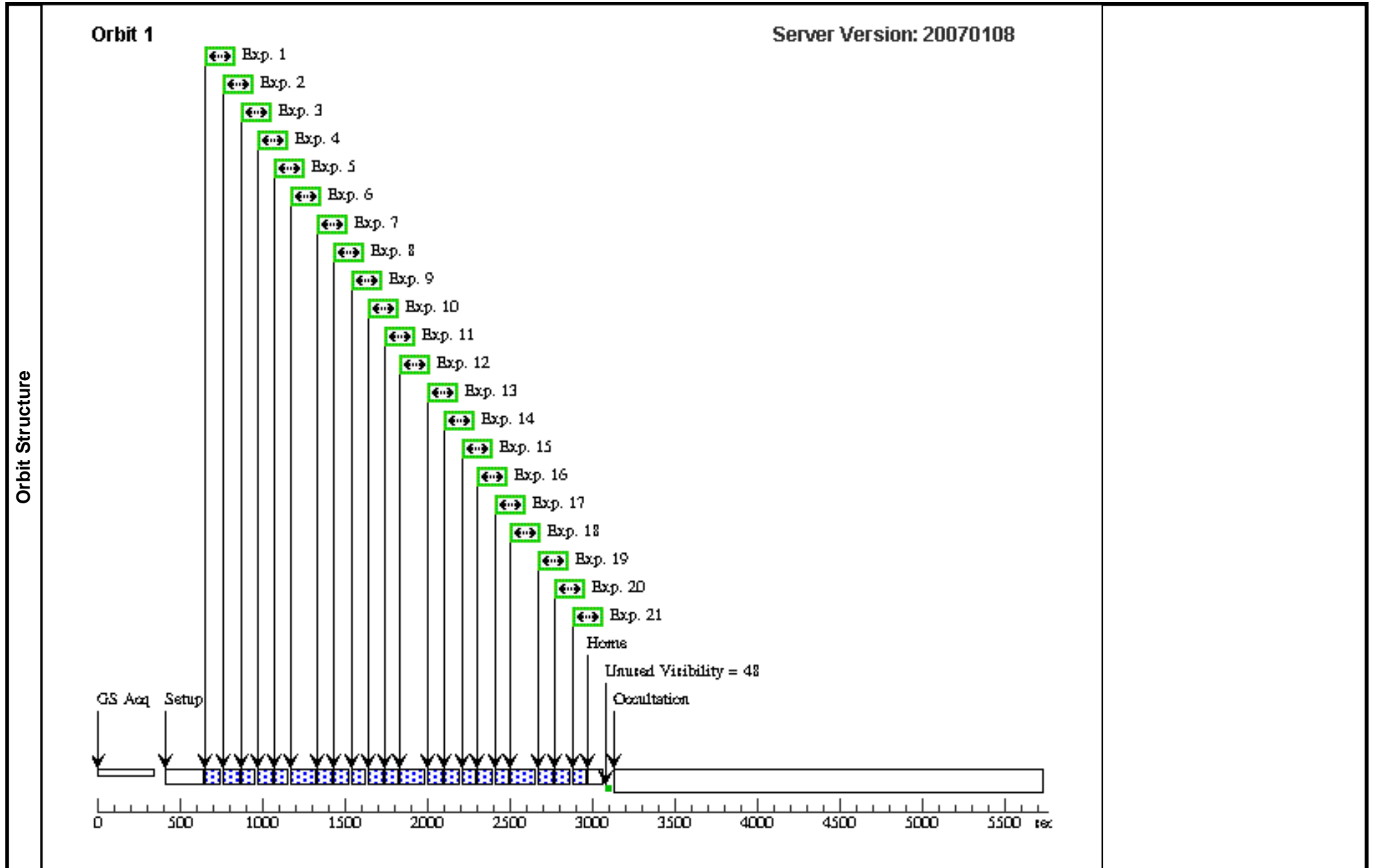
Proposal 10989 - Visit 14 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:13 GMT 2007

Visit		Proposal 10989, Visit 14, scheduling									
		Diagnostic Status: No Diagnostics									
Fixed Targets		Scientific Instruments: FGS									
		Special Requirements: SCHED 70%; ORIENT 274.0D TO 280.0 D; BETWEEN 07-MAR-2007:01:00:00 AND 10-MAR-2007:01:00:00									
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
(3)	HD136118	RA: 15 18 55.4719 (229.7311329d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000	Proper Motion RA: -0.00827s/yr Proper Motion Dec: 0.0235"/yr Parallax: 0.01913" Epoch of Position: 1991.25 Radial Velocity: -3.6 km/sec	V=6.94+/-0.02	Reference Frame: ICRS						
(14)	REF-HD13-1	RA: 15 18 57.4340 (229.7393083d) Dec: -01 37 41.45 (-1.62818d) Equinox: J2000		V=14.2+/-0.2	Reference Frame: ICRS						
(16)	REF-HD13-22	RA: 15 19 4.3150 (229.7679792d) Dec: -01 35 26.05 (-1.59057d) Equinox: J2000		V=13.0+/-0.2	Reference Frame: ICRS						
(17)	REF-HD13-80	RA: 15 18 53.6180 (229.7234083d) Dec: -01 36 32.29 (-1.60897d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS						
(19)	REF-HD13-97	RA: 15 19 8.7140 (229.7863083d) Dec: -01 38 23.75 (-1.63993d) Equinox: J2000		V=15.2+/-0.2	Reference Frame: ICRS						
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
1	1	(3) HD136118	FGS, POS, 1	F5ND		POS TARG -61,-73	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]		
2	2	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		
3	3	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]		
4	4	(17) REF-HD13-80	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		
5	5	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]		
6	6	(19) REF-HD13-97	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]		
7	7	(3) HD136118	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]		
8	8	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		

Proposal 10989 - Visit 14 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	11	11	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	12	12	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	13	13	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	14	14	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	15	15	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	16	16	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	17	17	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	18	18	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	19	19	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	20	20	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	21	21	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]



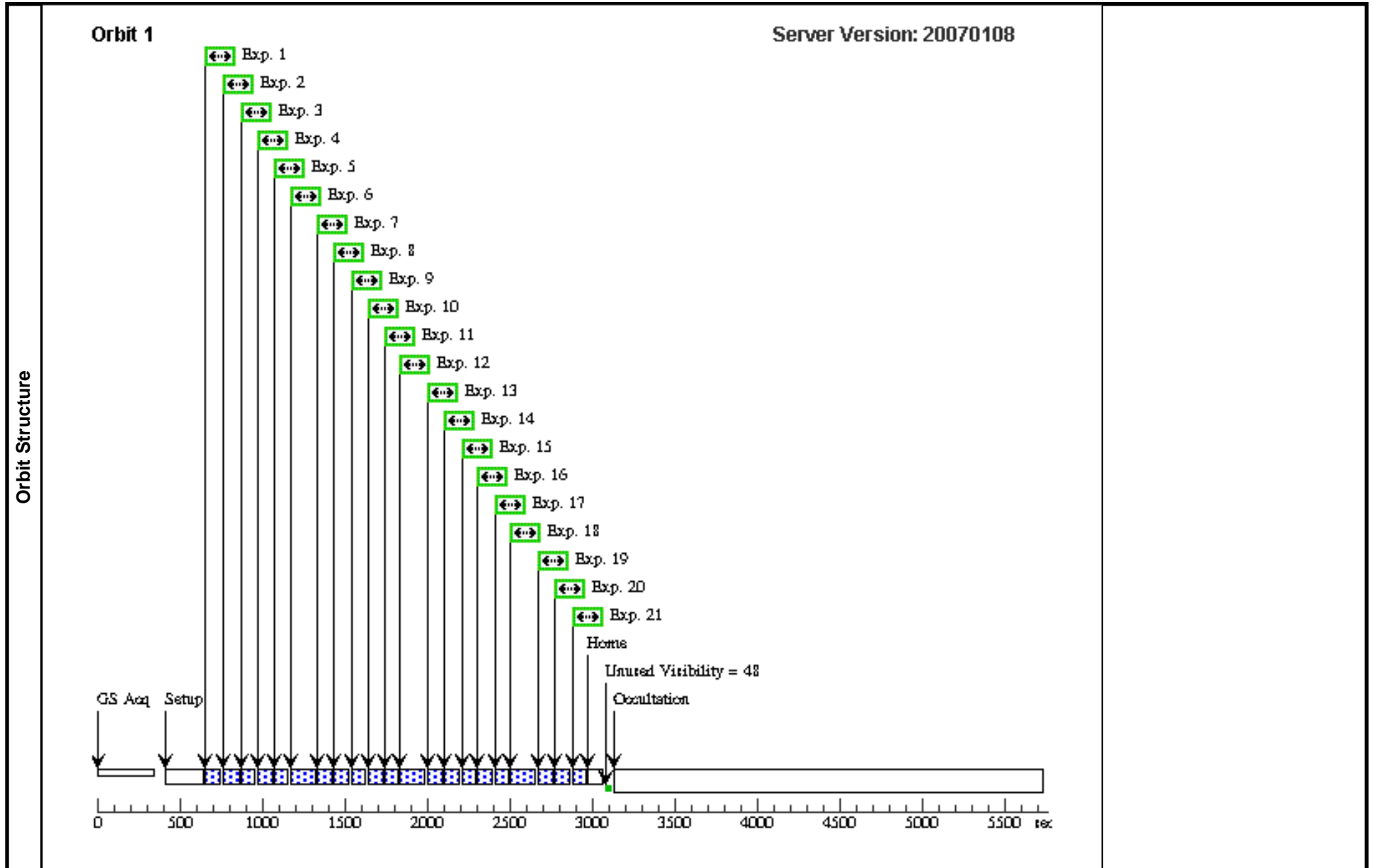
Proposal 10989 - Visit 15 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:14 GMT 2007

Visit		Proposal 10989, Visit 15, scheduling									
		Diagnostic Status: No Diagnostics									
Fixed Targets		Scientific Instruments: FGS									
		Special Requirements: SCHED 70%; ORIENT 274.0D TO 280.0 D; BETWEEN 14-MAR-2007:01:00:00 AND 17-MAR-2007:01:00:00									
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
(3)	HD136118	RA: 15 18 55.4719 (229.7311329d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000	Proper Motion RA: -0.00827s/yr Proper Motion Dec: 0.0235"/yr Parallax: 0.01913" Epoch of Position: 1991.25 Radial Velocity: -3.6 km/sec	V=6.94+/-0.02	Reference Frame: ICRS						
(14)	REF-HD13-1	RA: 15 18 57.4340 (229.7393083d) Dec: -01 37 41.45 (-1.62818d) Equinox: J2000		V=14.2+/-0.2	Reference Frame: ICRS						
(16)	REF-HD13-22	RA: 15 19 4.3150 (229.7679792d) Dec: -01 35 26.05 (-1.59057d) Equinox: J2000		V=13.0+/-0.2	Reference Frame: ICRS						
(17)	REF-HD13-80	RA: 15 18 53.6180 (229.7234083d) Dec: -01 36 32.29 (-1.60897d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS						
(19)	REF-HD13-97	RA: 15 19 8.7140 (229.7863083d) Dec: -01 38 23.75 (-1.63993d) Equinox: J2000		V=15.2+/-0.2	Reference Frame: ICRS						
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
1	1	(3) HD136118	FGS, POS, 1	F5ND		POS TARG -61,-73	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]		
2	2	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		
3	3	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]		
4	4	(17) REF-HD13-80	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		
5	5	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]		
6	6	(19) REF-HD13-97	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]		
7	7	(3) HD136118	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]		
8	8	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		

Proposal 10989 - Visit 15 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	11	11	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	12	12	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	13	13	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	14	14	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	15	15	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	16	16	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	17	17	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	18	18	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	19	19	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	20	20	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	21	21	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]



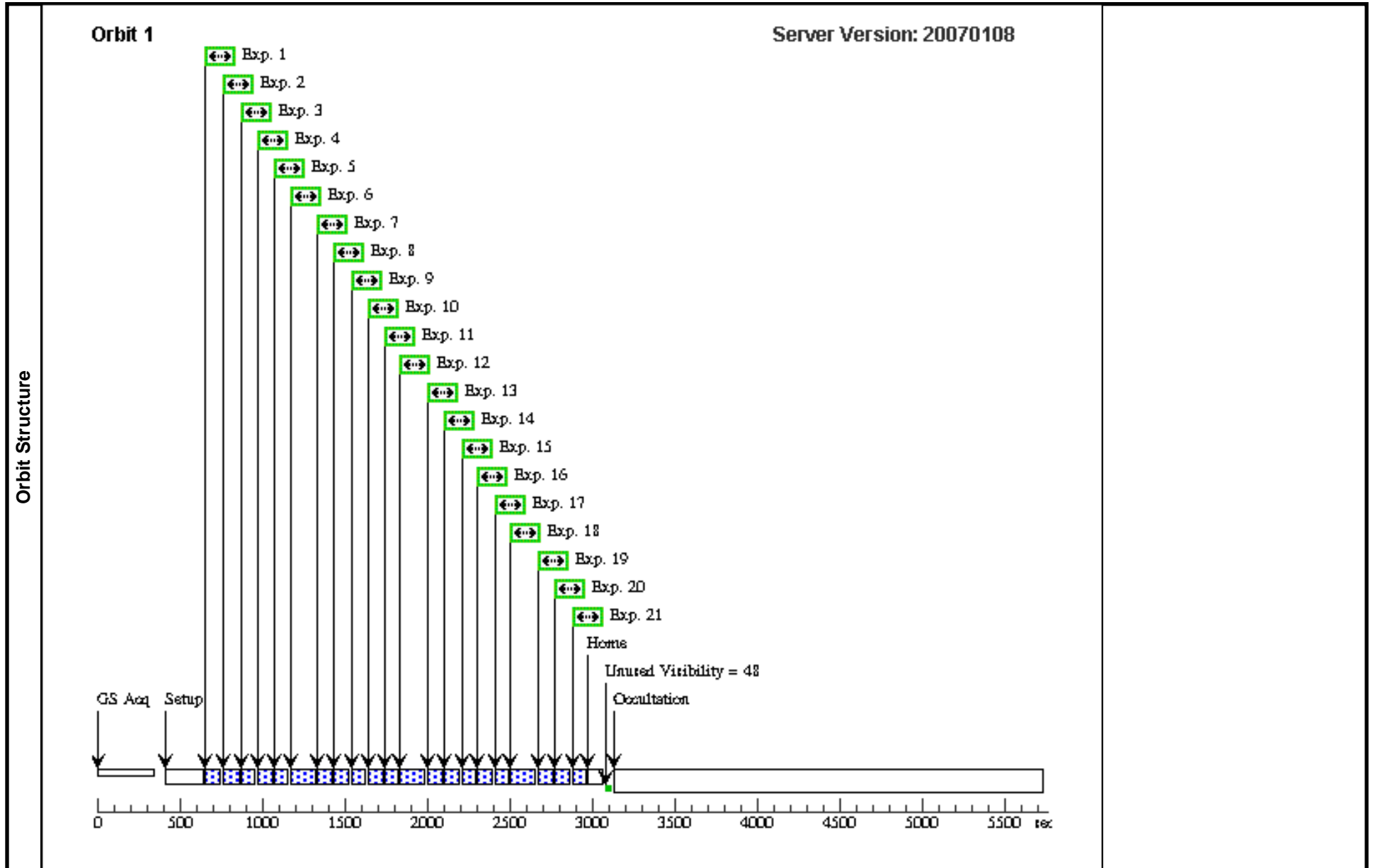
Proposal 10989 - Visit 16 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:14 GMT 2007

Visit	Proposal 10989, Visit 16, scheduling									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 270.0D TO 275.0 D; BETWEEN 21-MAR-2007:01:00:00 AND 24-MAR-2007:01:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	HD136118	RA: 15 18 55.4719 (229.7311329d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000	Proper Motion RA: -0.00827s/yr Proper Motion Dec: 0.0235"/yr Parallax: 0.01913" Epoch of Position: 1991.25 Radial Velocity: -3.6 km/sec	V=6.94+/-0.02	Reference Frame: ICRS				
	(14)	REF-HD13-1	RA: 15 18 57.4340 (229.7393083d) Dec: -01 37 41.45 (-1.62818d) Equinox: J2000		V=14.2+/-0.2	Reference Frame: ICRS				
	(16)	REF-HD13-22	RA: 15 19 4.3150 (229.7679792d) Dec: -01 35 26.05 (-1.59057d) Equinox: J2000		V=13.0+/-0.2	Reference Frame: ICRS				
	(17)	REF-HD13-80	RA: 15 18 53.6180 (229.7234083d) Dec: -01 36 32.29 (-1.60897d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS				
	(19)	REF-HD13-97	RA: 15 19 8.7140 (229.7863083d) Dec: -01 38 23.75 (-1.63993d) Equinox: J2000		V=15.2+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(3) HD136118	FGS, POS, 1	F5ND		POS TARG -58,-83	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	2	2	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	3	3	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	4	4	(17) REF-HD13-80	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	5	5	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	6	6	(19) REF-HD13-97	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	7	7	(3) HD136118	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	8	8	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]

Proposal 10989 - Visit 16 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	11	11	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	12	12	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	13	13	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	14	14	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	15	15	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	16	16	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	17	17	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	18	18	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	19	19	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	20	20	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	21	21	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]



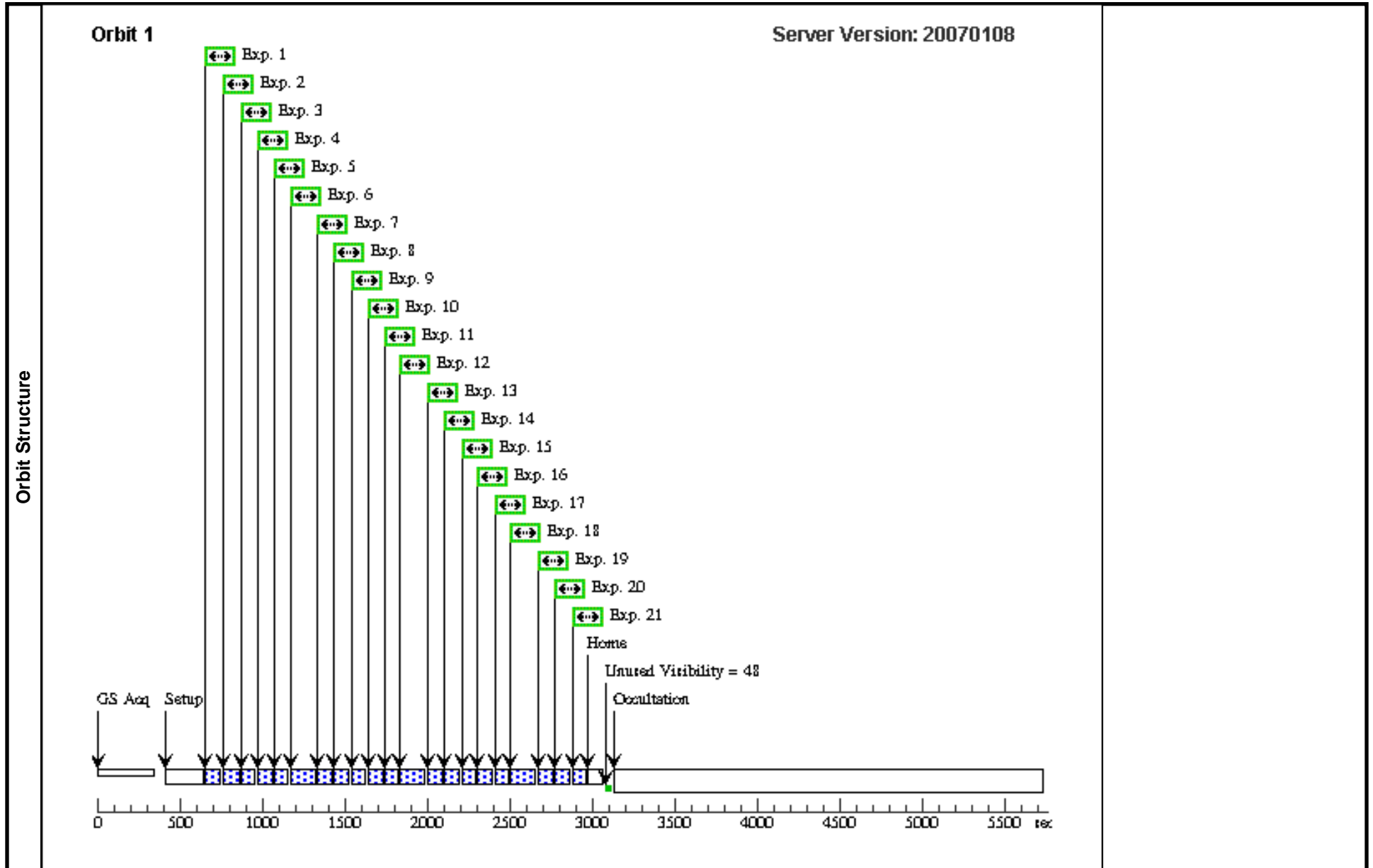
Proposal 10989 - Visit 17 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:15 GMT 2007

Visit	Proposal 10989, Visit 17, scheduling									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 266.0D TO 270.0 D; BETWEEN 31-MAR-2007:01:00:00 AND 03-APR-2007:01:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	HD136118	RA: 15 18 55.4719 (229.7311329d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000	Proper Motion RA: -0.00827s/yr Proper Motion Dec: 0.0235"/yr Parallax: 0.01913" Epoch of Position: 1991.25 Radial Velocity: -3.6 km/sec	V=6.94+/-0.02	Reference Frame: ICRS				
	(14)	REF-HD13-1	RA: 15 18 57.4340 (229.7393083d) Dec: -01 37 41.45 (-1.62818d) Equinox: J2000		V=14.2+/-0.2	Reference Frame: ICRS				
	(16)	REF-HD13-22	RA: 15 19 4.3150 (229.7679792d) Dec: -01 35 26.05 (-1.59057d) Equinox: J2000		V=13.0+/-0.2	Reference Frame: ICRS				
	(17)	REF-HD13-80	RA: 15 18 53.6180 (229.7234083d) Dec: -01 36 32.29 (-1.60897d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS				
(19)	REF-HD13-97	RA: 15 19 8.7140 (229.7863083d) Dec: -01 38 23.75 (-1.63993d) Equinox: J2000		V=15.2+/-0.2	Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(3) HD136118	FGS, POS, 1	F5ND		POS TARG -88,-93	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	2	2	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	3	3	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	4	4	(17) REF-HD13-80	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	5	5	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	6	6	(19) REF-HD13-97	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	7	7	(3) HD136118	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
8	8	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]	

Proposal 10989 - Visit 17 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	11	11	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	12	12	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	13	13	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	14	14	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	15	15	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	16	16	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	17	17	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	18	18	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	19	19	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	20	20	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	21	21	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]



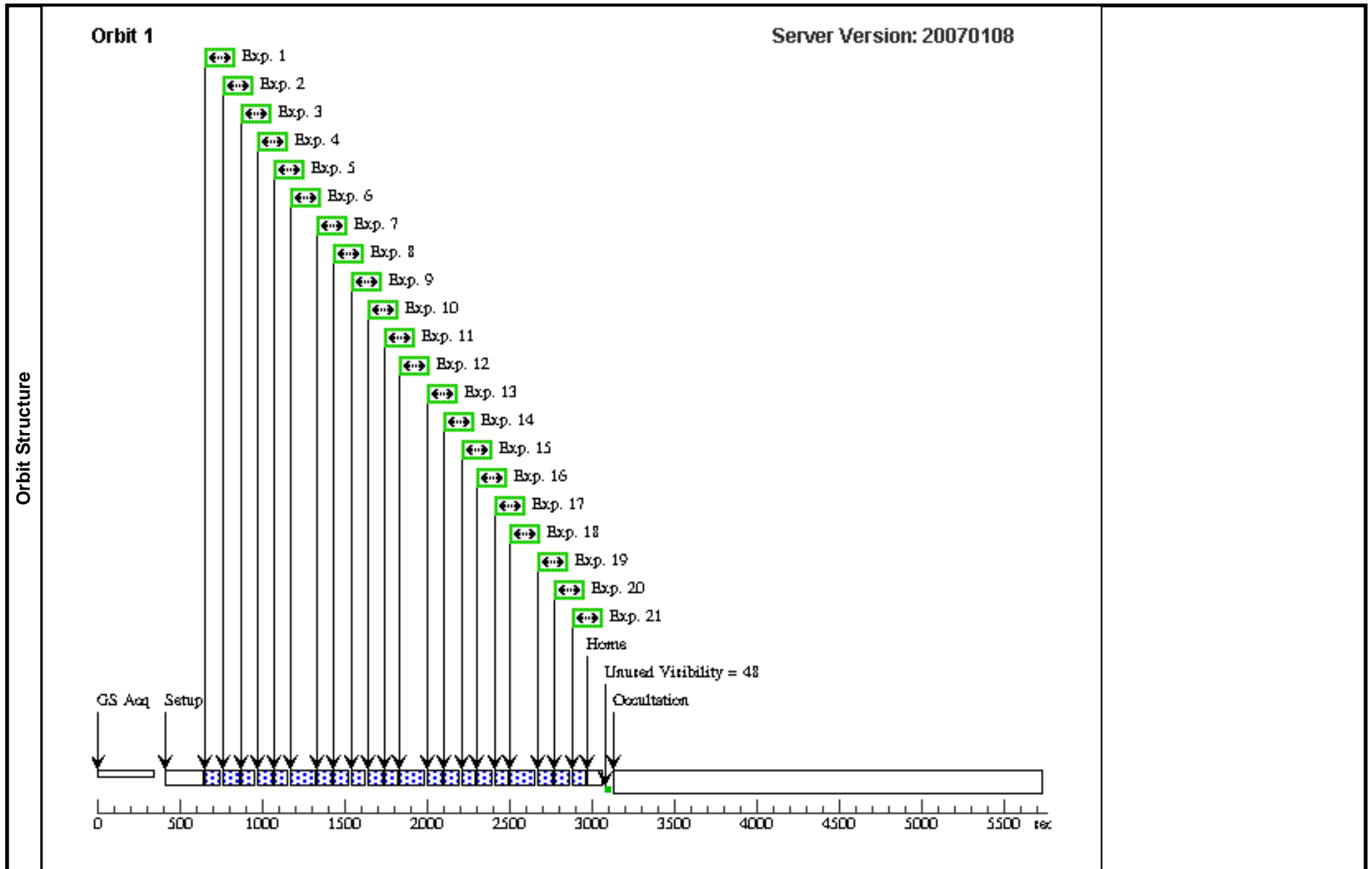
Proposal 10989 - Visit 18 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:16 GMT 2007

Visit		Proposal 10989, Visit 18, scheduling									
		Diagnostic Status: No Diagnostics									
Fixed Targets		Scientific Instruments: FGS									
		Special Requirements: SCHED 70%; ORIENT 259.3D TO 261.0 D; BETWEEN 07-APR-2007:01:00:00 AND 14-APR-2007:01:00:00									
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
(3)	HD136118	RA: 15 18 55.4719 (229.7311329d) Dec: -01 35 32.59 (-1.59239d) Equinox: J2000	Proper Motion RA: -0.00827s/yr Proper Motion Dec: 0.0235"/yr Parallax: 0.01913" Epoch of Position: 1991.25 Radial Velocity: -3.6 km/sec	V=6.94+/-0.02	Reference Frame: ICRS						
(14)	REF-HD13-1	RA: 15 18 57.4340 (229.7393083d) Dec: -01 37 41.45 (-1.62818d) Equinox: J2000		V=14.2+/-0.2	Reference Frame: ICRS						
(16)	REF-HD13-22	RA: 15 19 4.3150 (229.7679792d) Dec: -01 35 26.05 (-1.59057d) Equinox: J2000		V=13.0+/-0.2	Reference Frame: ICRS						
(17)	REF-HD13-80	RA: 15 18 53.6180 (229.7234083d) Dec: -01 36 32.29 (-1.60897d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS						
(19)	REF-HD13-97	RA: 15 19 8.7140 (229.7863083d) Dec: -01 38 23.75 (-1.63993d) Equinox: J2000		V=15.2+/-0.2	Reference Frame: ICRS						
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
1	1	(3) HD136118	FGS, POS, 1	F5ND		POS TARG -166,-115	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]		
2	2	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		
3	3	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]		
4	4	(17) REF-HD13-80	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		
5	5	(16) REF-HD13-22	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]		
6	6	(19) REF-HD13-97	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]		
7	7	(3) HD136118	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]		
8	8	(14) REF-HD13-1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]		

Proposal 10989 - Visit 18 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	11	11	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	12	12	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	13	13	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	14	14	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	15	15	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	16	16	(17) REF-HD13-80	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	17	17	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	18	18	(19) REF-HD13-97	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	19	19	(3) HD136118	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	20	20	(14) REF-HD13-1	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	25.0 Secs [==>]	[1]
	21	21	(16) REF-HD13-22	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]



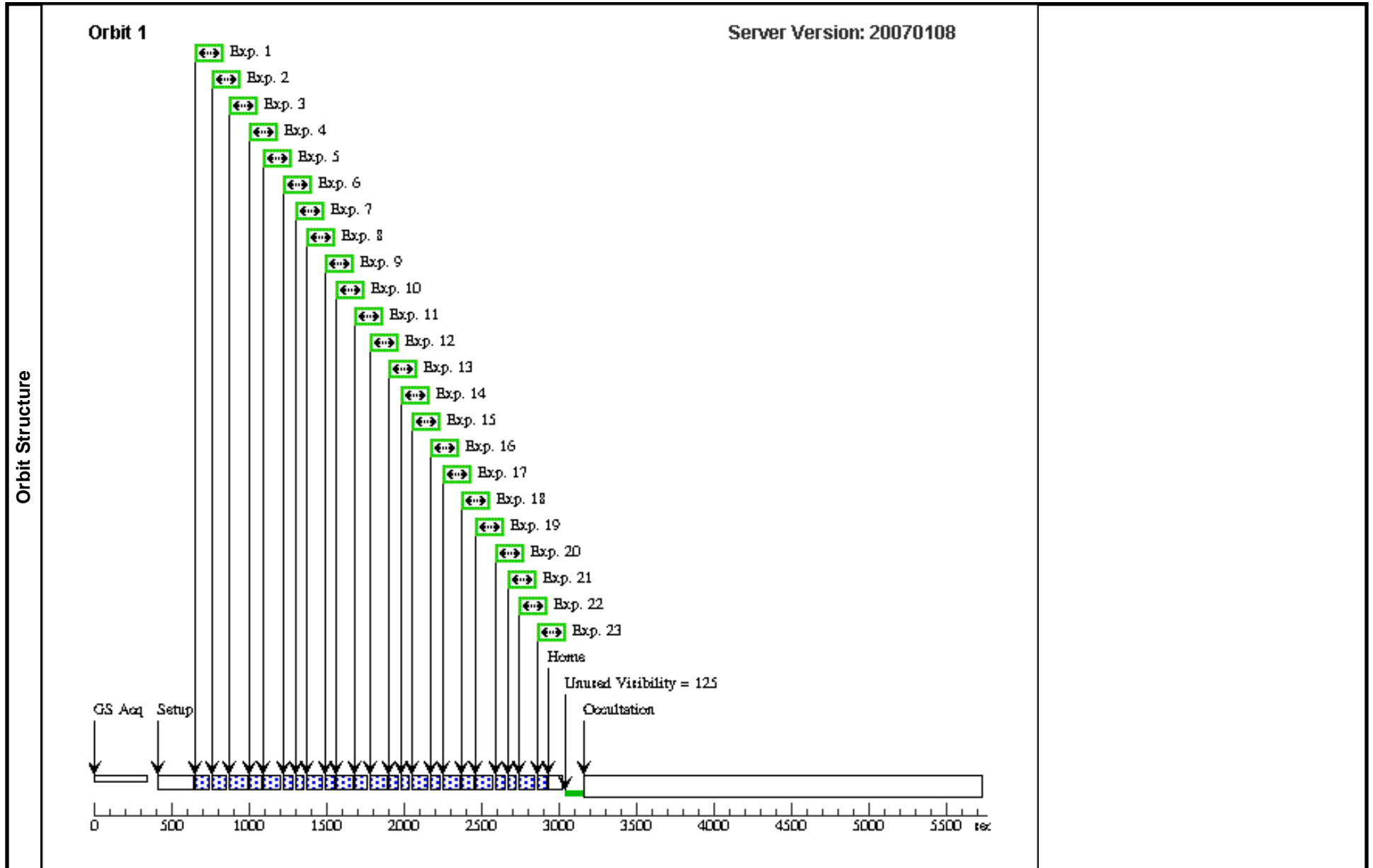
Proposal 10989 - Visit 19 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:17 GMT 2007

Visit	Proposal 10989, Visit 19, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 263.0D TO 264.0 D; BETWEEN 16-FEB-2007:00:00:00 AND 20-FEB-2007:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD145675	RA: 16 10 24.3143 (242.6013096d) Dec: +43 49 3.52 (43.81764d) Equinox: J2000	Proper Motion RA: 0.01224s/yr Proper Motion Dec: -0.29838"/yr Parallax: 0.05511" Epoch of Position: 1991.25 Radial Velocity: -5.5 km/sec	V=6.67+/-0.02	Reference Frame: ICRS				
	(34)	REF-HD14-276	RA: 16 10 15.4250 (242.5642708d) Dec: +43 48 7.88 (43.80219d) Equinox: J2000		V=14.1+/-0.2	Reference Frame: ICRS				
	(61)	REF-HD14-86	RA: 16 09 45.3860 (242.4391083d) Dec: +43 47 22.09 (43.78947d) Equinox: J2000		V=12.93+/-0.05	Reference Frame: ICRS				
	(62)	REF-HD14-180	RA: 16 09 47.5780 (242.4482417d) Dec: +43 47 23.64 (43.78990d) Equinox: J2000		V=12.3+/-0.05	Reference Frame: ICRS				
	(63)	REF-HD14-208	RA: 16 10 49.2000 (242.7050000d) Dec: +43 50 3.62 (43.83434d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
	(65)	REF-HD14-344	RA: 16 09 52.4690 (242.4686208d) Dec: +43 47 43.04 (43.79529d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(5) HD145675	FGS, POS, 1	F5ND		POS TARG 60,-45	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	2	2	(34) REF-HD14-276	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	3	3	(63) REF-HD14-208	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	4	4	(5) HD145675	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	5	5	(65) REF-HD14-344	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	6	7	(62) REF-HD14-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]

Proposal 10989 - Visit 19 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	8	9	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	9	10	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	10	11	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	11	13	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	12	14	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	13	15	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	14	17	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	15	18	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	16	19	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	17	20	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	18	21	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	19	22	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	20	23	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	21	24	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	22	25	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	23	26	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]



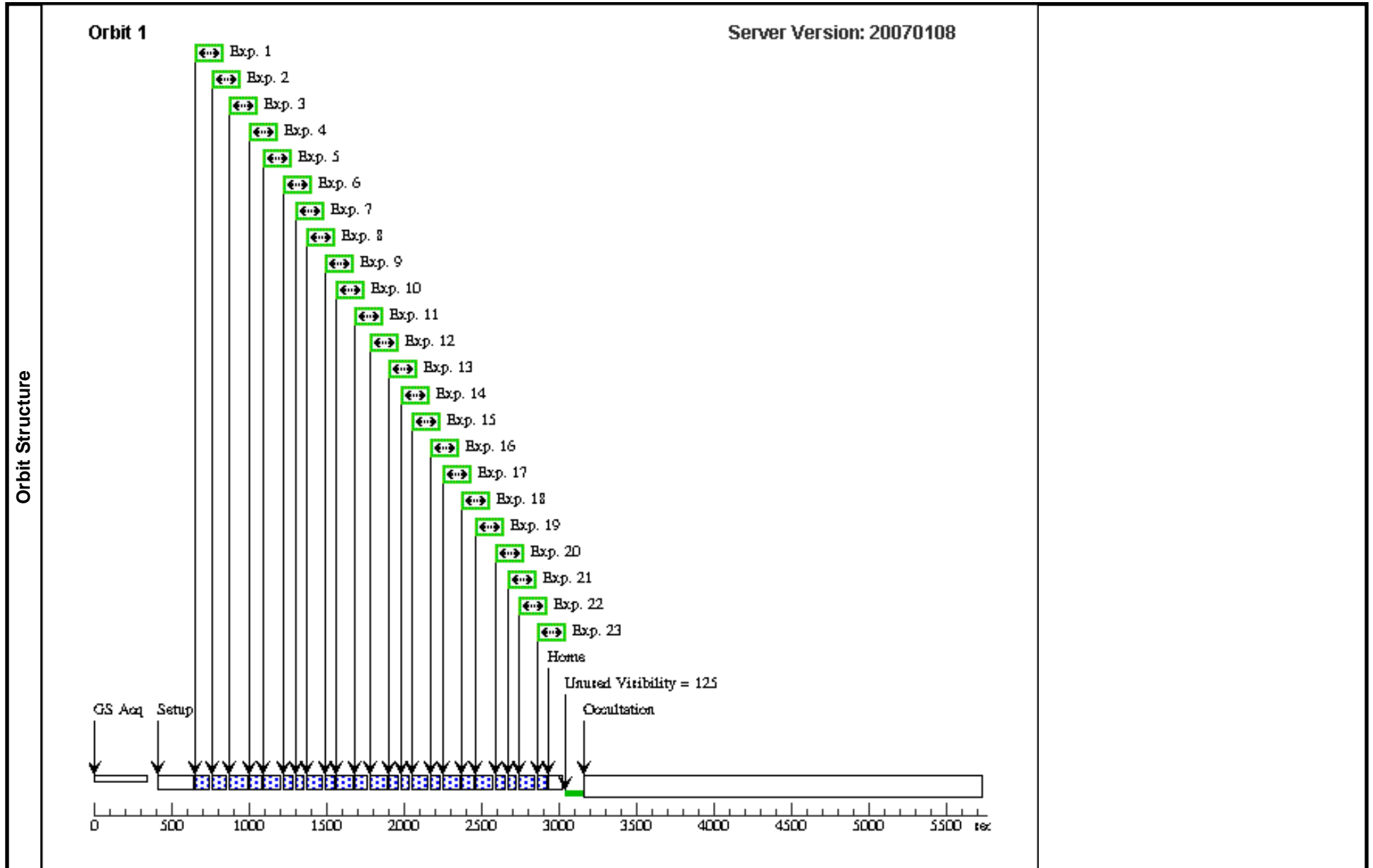
Proposal 10989 - Visit 20 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:18 GMT 2007

Visit	Proposal 10989, Visit 20, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 262.0D TO 264.0 D; BETWEEN 21-FEB-2007:00:00:00 AND 25-FEB-2007:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD145675	RA: 16 10 24.3143 (242.6013096d) Dec: +43 49 3.52 (43.81764d) Equinox: J2000	Proper Motion RA: 0.01224s/yr Proper Motion Dec: -0.29838"/yr Parallax: 0.05511" Epoch of Position: 1991.25 Radial Velocity: -5.5 km/sec	V=6.67+/-0.02	Reference Frame: ICRS				
	(34)	REF-HD14-276	RA: 16 10 15.4250 (242.5642708d) Dec: +43 48 7.88 (43.80219d) Equinox: J2000		V=14.1+/-0.2	Reference Frame: ICRS				
	(61)	REF-HD14-86	RA: 16 09 45.3860 (242.4391083d) Dec: +43 47 22.09 (43.78947d) Equinox: J2000		V=12.93+/-0.05	Reference Frame: ICRS				
	(62)	REF-HD14-180	RA: 16 09 47.5780 (242.4482417d) Dec: +43 47 23.64 (43.78990d) Equinox: J2000		V=12.3+/-0.05	Reference Frame: ICRS				
	(63)	REF-HD14-208	RA: 16 10 49.2000 (242.7050000d) Dec: +43 50 3.62 (43.83434d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
	(65)	REF-HD14-344	RA: 16 09 52.4690 (242.4686208d) Dec: +43 47 43.04 (43.79529d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(5) HD145675	FGS, POS, 1	F5ND		POS TARG 60,-45	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	2	2	(34) REF-HD14-276	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	3	3	(63) REF-HD14-208	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	4	4	(5) HD145675	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	5	5	(65) REF-HD14-344	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	6	7	(62) REF-HD14-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]

Proposal 10989 - Visit 20 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	8	9	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	9	10	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	10	11	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	11	13	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	12	14	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	13	15	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	14	17	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	15	18	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	16	19	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	17	20	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	18	21	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	19	22	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	20	23	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	21	24	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	22	25	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	23	26	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]



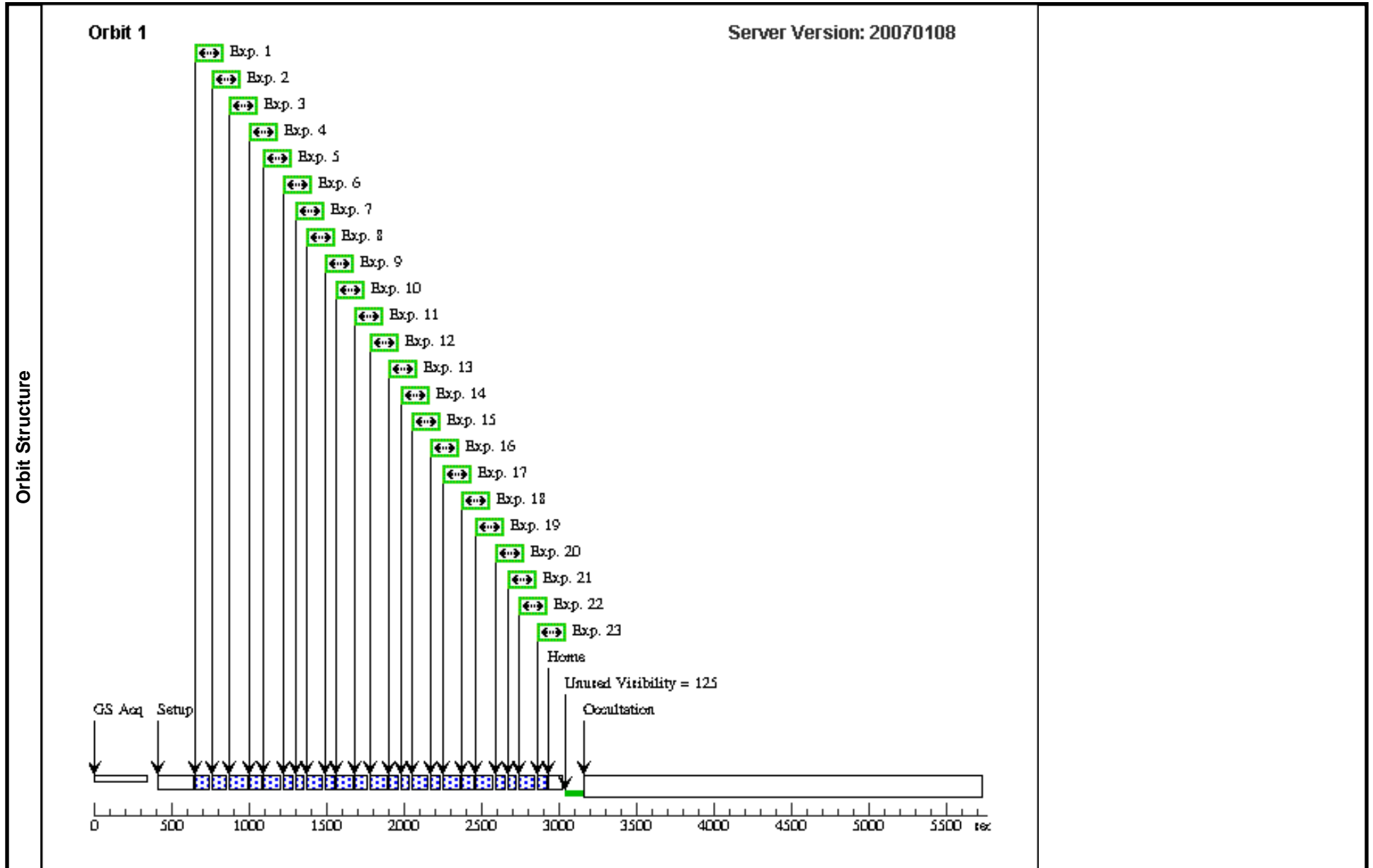
Proposal 10989 - Visit 21 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:19 GMT 2007

Visit	Proposal 10989, Visit 21, scheduling									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 260.0D TO 264.0 D; BETWEEN 26-FEB-2007:00:00:00 AND 28-FEB-2007:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD145675	RA: 16 10 24.3143 (242.6013096d) Dec: +43 49 3.52 (43.81764d) Equinox: J2000	Proper Motion RA: 0.01224s/yr Proper Motion Dec: -0.29838"/yr Parallax: 0.05511" Epoch of Position: 1991.25 Radial Velocity: -5.5 km/sec	V=6.67+/-0.02	Reference Frame: ICRS				
	(34)	REF-HD14-276	RA: 16 10 15.4250 (242.5642708d) Dec: +43 48 7.88 (43.80219d) Equinox: J2000		V=14.1+/-0.2	Reference Frame: ICRS				
	(61)	REF-HD14-86	RA: 16 09 45.3860 (242.4391083d) Dec: +43 47 22.09 (43.78947d) Equinox: J2000		V=12.93+/-0.05	Reference Frame: ICRS				
	(62)	REF-HD14-180	RA: 16 09 47.5780 (242.4482417d) Dec: +43 47 23.64 (43.78990d) Equinox: J2000		V=12.3+/-0.05	Reference Frame: ICRS				
	(63)	REF-HD14-208	RA: 16 10 49.2000 (242.7050000d) Dec: +43 50 3.62 (43.83434d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
	(65)	REF-HD14-344	RA: 16 09 52.4690 (242.4686208d) Dec: +43 47 43.04 (43.79529d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(5) HD145675	FGS, POS, 1	F5ND		POS TARG 60,-45	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	2	2	(34) REF-HD14-276	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	3	3	(63) REF-HD14-208	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	4	4	(5) HD145675	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	5	5	(65) REF-HD14-344	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	6	7	(62) REF-HD14-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]

Proposal 10989 - Visit 21 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	8	9	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	9	10	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	10	11	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	11	13	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	12	14	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	13	15	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	14	17	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	15	18	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	16	19	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	17	20	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	18	21	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	19	22	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	20	23	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	21	24	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	22	25	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	23	26	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]



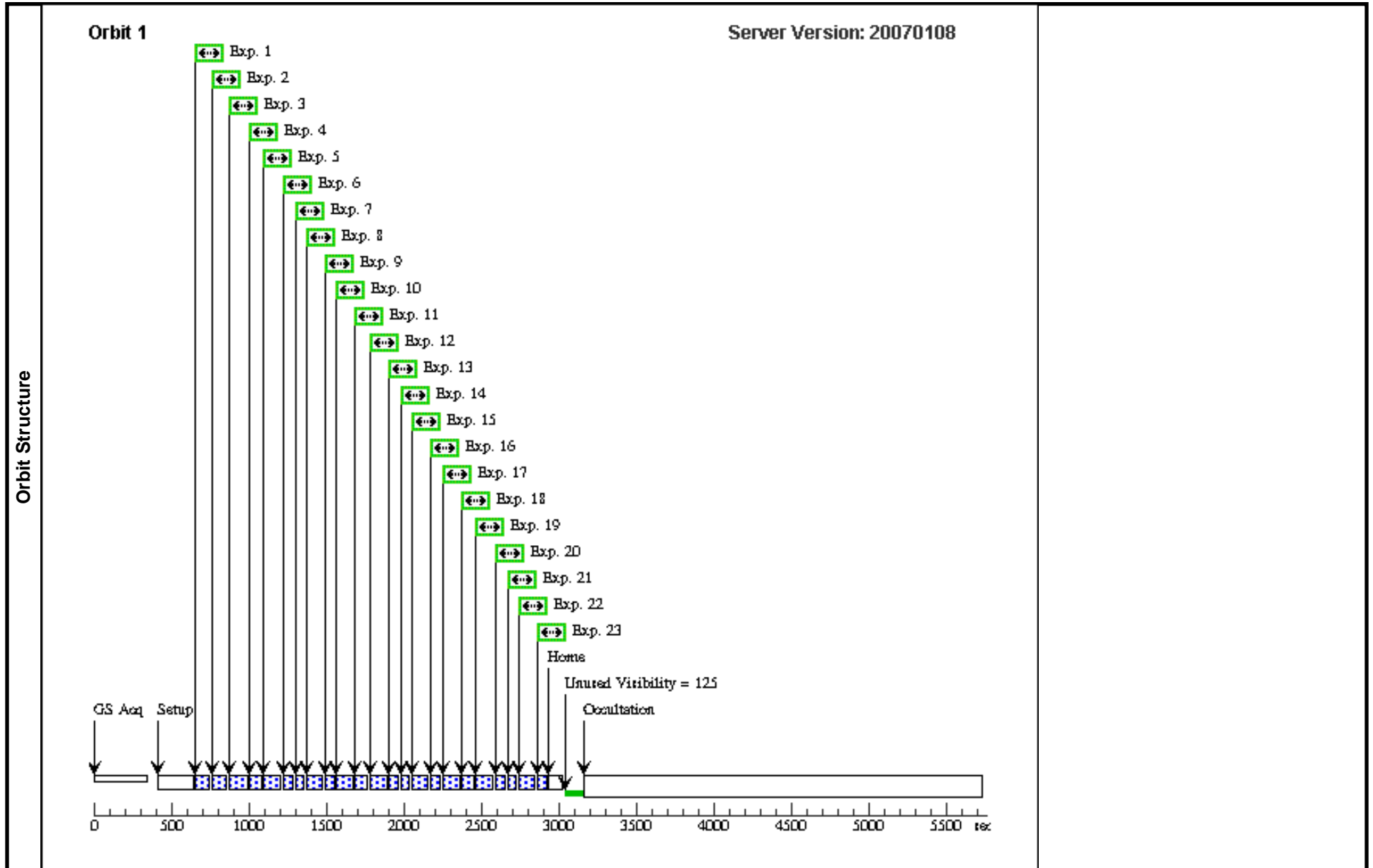
Proposal 10989 - Visit 22 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:20 GMT 2007

Visit	Proposal 10989, Visit 22, scheduling									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 262.0D TO 264.0 D; BETWEEN 04-MAR-2007:00:00:00 AND 08-MAR-2007:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD145675	RA: 16 10 24.3143 (242.6013096d) Dec: +43 49 3.52 (43.81764d) Equinox: J2000	Proper Motion RA: 0.01224s/yr Proper Motion Dec: -0.29838"/yr Parallax: 0.05511" Epoch of Position: 1991.25 Radial Velocity: -5.5 km/sec	V=6.67+/-0.02	Reference Frame: ICRS				
	(34)	REF-HD14-276	RA: 16 10 15.4250 (242.5642708d) Dec: +43 48 7.88 (43.80219d) Equinox: J2000		V=14.1+/-0.2	Reference Frame: ICRS				
	(61)	REF-HD14-86	RA: 16 09 45.3860 (242.4391083d) Dec: +43 47 22.09 (43.78947d) Equinox: J2000		V=12.93+/-0.05	Reference Frame: ICRS				
	(62)	REF-HD14-180	RA: 16 09 47.5780 (242.4482417d) Dec: +43 47 23.64 (43.78990d) Equinox: J2000		V=12.3+/-0.05	Reference Frame: ICRS				
	(63)	REF-HD14-208	RA: 16 10 49.2000 (242.7050000d) Dec: +43 50 3.62 (43.83434d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
	(65)	REF-HD14-344	RA: 16 09 52.4690 (242.4686208d) Dec: +43 47 43.04 (43.79529d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(5) HD145675	FGS, POS, 1	F5ND		POS TARG 60,-45	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	2	2	(34) REF-HD14-276	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	3	3	(63) REF-HD14-208	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	4	4	(5) HD145675	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	5	5	(65) REF-HD14-344	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	6	7	(62) REF-HD14-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]

Proposal 10989 - Visit 22 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	8	9	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	9	10	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	10	11	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	11	13	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	12	14	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	13	15	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	14	17	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	15	18	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	16	19	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	17	20	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	18	21	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	19	22	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	20	23	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	21	24	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	22	25	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	23	26	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]



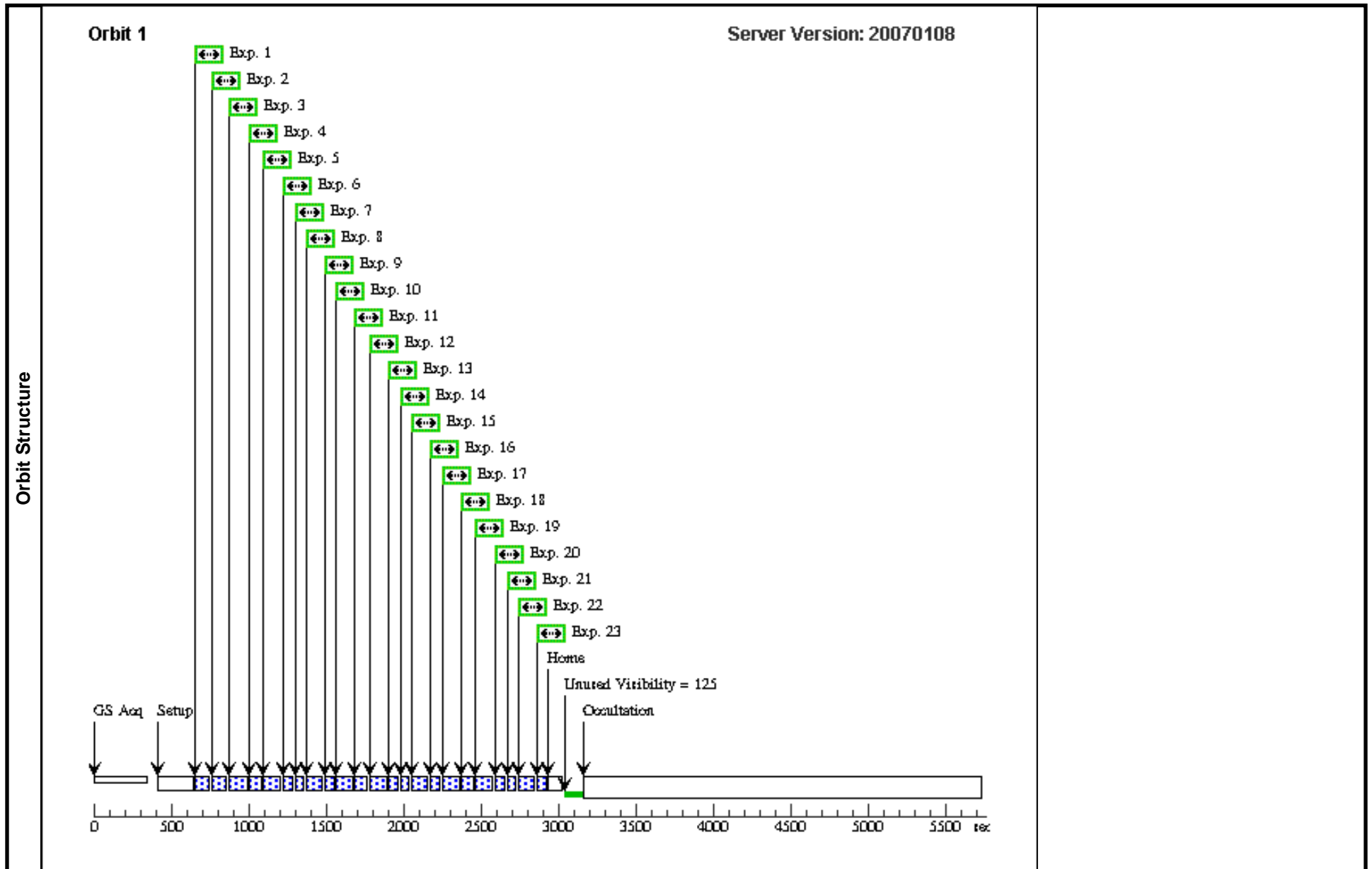
Proposal 10989 - Visit 23 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:21 GMT 2007

Visit	Proposal 10989, Visit 23, scheduling									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 262.0D TO 264.0 D; BETWEEN 09-MAR-2007:00:00:00 AND 12-MAR-2007:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD145675	RA: 16 10 24.3143 (242.6013096d) Dec: +43 49 3.52 (43.81764d) Equinox: J2000	Proper Motion RA: 0.01224s/yr Proper Motion Dec: -0.29838"/yr Parallax: 0.05511" Epoch of Position: 1991.25 Radial Velocity: -5.5 km/sec	V=6.67+/-0.02	Reference Frame: ICRS				
	(34)	REF-HD14-276	RA: 16 10 15.4250 (242.5642708d) Dec: +43 48 7.88 (43.80219d) Equinox: J2000		V=14.1+/-0.2	Reference Frame: ICRS				
	(61)	REF-HD14-86	RA: 16 09 45.3860 (242.4391083d) Dec: +43 47 22.09 (43.78947d) Equinox: J2000		V=12.93+/-0.05	Reference Frame: ICRS				
	(62)	REF-HD14-180	RA: 16 09 47.5780 (242.4482417d) Dec: +43 47 23.64 (43.78990d) Equinox: J2000		V=12.3+/-0.05	Reference Frame: ICRS				
	(63)	REF-HD14-208	RA: 16 10 49.2000 (242.7050000d) Dec: +43 50 3.62 (43.83434d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
	(65)	REF-HD14-344	RA: 16 09 52.4690 (242.4686208d) Dec: +43 47 43.04 (43.79529d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(5) HD145675	FGS, POS, 1	F5ND		POS TARG 60,-45	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	2	2	(34) REF-HD14-276	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	3	3	(63) REF-HD14-208	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	4	4	(5) HD145675	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	5	5	(65) REF-HD14-344	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	6	7	(62) REF-HD14-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]

Proposal 10989 - Visit 23 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	8	9	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	9	10	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	10	11	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	11	13	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	12	14	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	13	15	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	14	17	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	15	18	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	16	19	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	17	20	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	18	21	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	19	22	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	20	23	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	21	24	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	22	25	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	23	26	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]



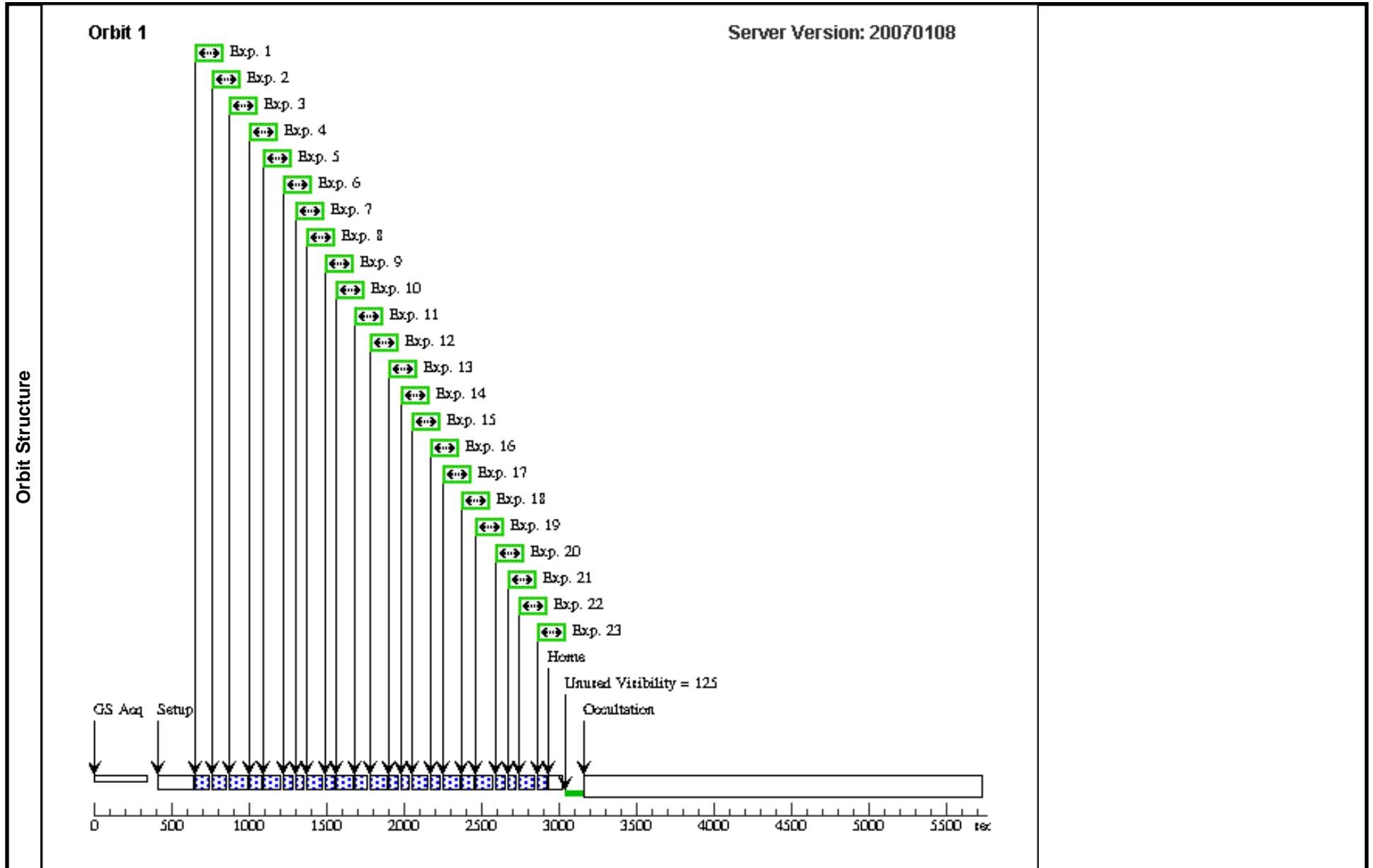
Proposal 10989 - Visit 24 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:22 GMT 2007

Visit	Proposal 10989, Visit 24, scheduling									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 262.0D TO 264.0 D; BETWEEN 13-MAR-2007:00:00:00 AND 16-MAR-2007:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD145675	RA: 16 10 24.3143 (242.6013096d) Dec: +43 49 3.52 (43.81764d) Equinox: J2000	Proper Motion RA: 0.01224s/yr Proper Motion Dec: -0.29838"/yr Parallax: 0.05511" Epoch of Position: 1991.25 Radial Velocity: -5.5 km/sec	V=6.67+/-0.02	Reference Frame: ICRS				
	(34)	REF-HD14-276	RA: 16 10 15.4250 (242.5642708d) Dec: +43 48 7.88 (43.80219d) Equinox: J2000		V=14.1+/-0.2	Reference Frame: ICRS				
	(61)	REF-HD14-86	RA: 16 09 45.3860 (242.4391083d) Dec: +43 47 22.09 (43.78947d) Equinox: J2000		V=12.93+/-0.05	Reference Frame: ICRS				
	(62)	REF-HD14-180	RA: 16 09 47.5780 (242.4482417d) Dec: +43 47 23.64 (43.78990d) Equinox: J2000		V=12.3+/-0.05	Reference Frame: ICRS				
	(63)	REF-HD14-208	RA: 16 10 49.2000 (242.7050000d) Dec: +43 50 3.62 (43.83434d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
	(65)	REF-HD14-344	RA: 16 09 52.4690 (242.4686208d) Dec: +43 47 43.04 (43.79529d) Equinox: J2000		V=13.8+/-0.05	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(5) HD145675	FGS, POS, 1	F5ND		POS TARG 60,-45	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	2	2	(34) REF-HD14-276	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	3	3	(63) REF-HD14-208	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	4	4	(5) HD145675	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	5	5	(65) REF-HD14-344	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	6	7	(62) REF-HD14-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]

Proposal 10989 - Visit 24 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	8	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	8	9	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	9	10	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	10	11	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	11	13	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	12	14	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	13	15	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	14	17	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	15	18	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	16	19	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	17	20	(63) REF-HD14-208	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	18	21	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]
	19	22	(65) REF-HD14-344	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	25.0 Secs [==>]	[1]
	20	23	(62) REF-HD14-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	15.0 Secs [==>]	[1]
	21	24	(61) REF-HD14-86	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	22	25	(34) REF-HD14-276	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	20.0 Secs [==>]	[1]
	23	26	(5) HD145675	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-23 Non-Int	10.0 Secs [==>]	[1]



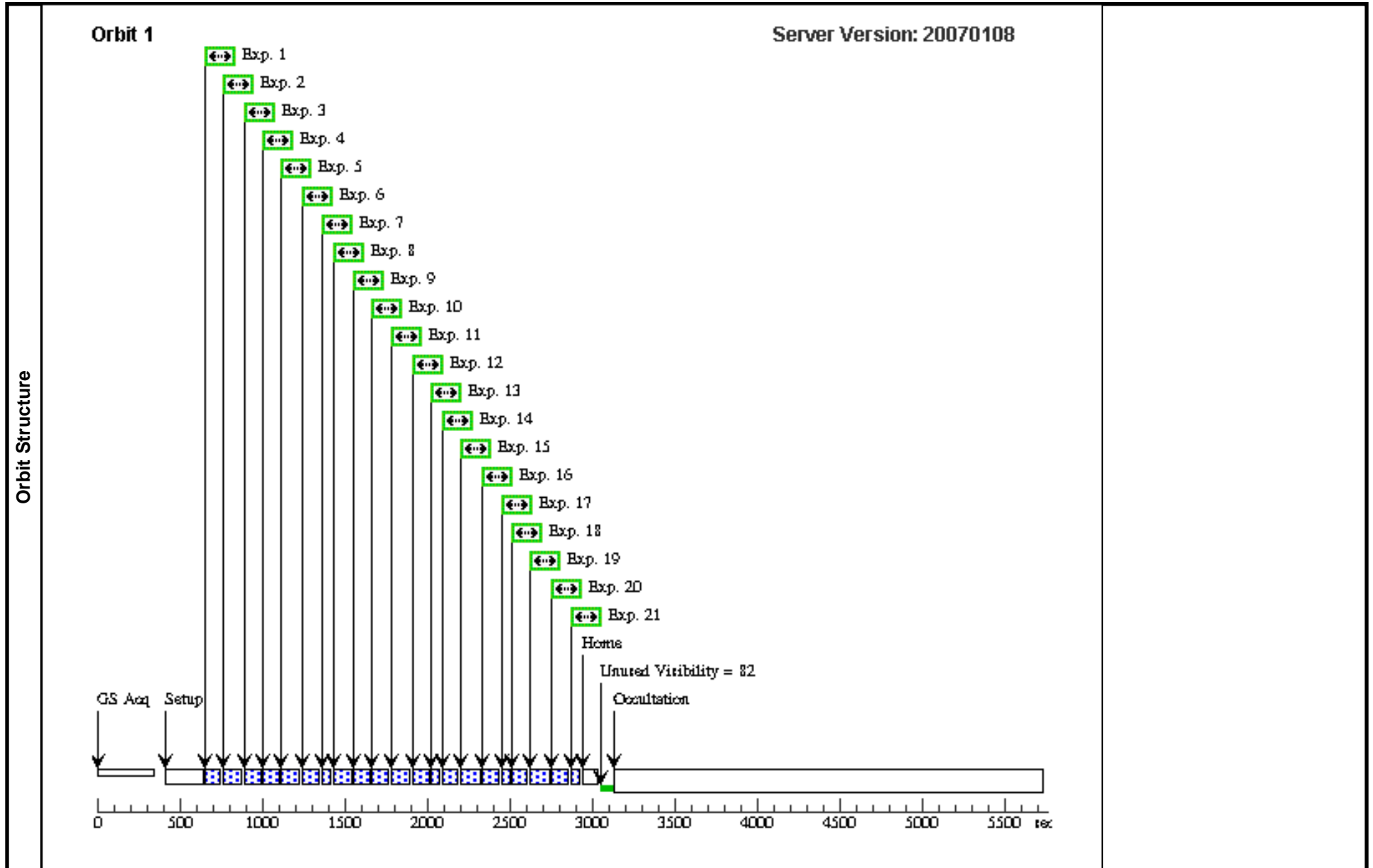
Proposal 10989 - Visit 25 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:23 GMT 2007

Visit	Proposal 10989, Visit 25, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: SCHED 70%; ORIENT 245.0D TO 260.0 D; BETWEEN 17-AUG-2006:00:34:20 AND 18-AUG-2006:00:34:20									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(6)	HD38529	RA: 05 46 34.9120 (86.6454667d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000	Proper Motion RA: -0.00534s/yr Proper Motion Dec: -0.14179"/yr Parallax: 0.02357" Epoch of Position: 1991.25 Radial Velocity: 28.9 km/sec	V=5.94+/-0.02	Reference Frame: ICRS				
	(38)	REF-HD38-180	RA: 05 46 29.9140 (86.6246417d) Dec: +01 10 56.14 (1.18226d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(39)	REF-HD38-306	RA: 05 46 51.7610 (86.7156708d) Dec: +01 11 6.54 (1.18515d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(41)	REF-HD38-399	RA: 05 46 34.1260 (86.6421917d) Dec: +01 11 39.16 (1.19421d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(43)	REF-HD38-513	RA: 05 46 27.0340 (86.6126417d) Dec: +01 10 59.12 (1.18309d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(46)	REF-HD38-598	RA: 05 46 37.3630 (86.6556792d) Dec: +01 09 27.94 (1.15776d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(6) HD38529	FGS, POS, 1	F5ND			Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	2	2	(38) REF-HD38-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	3	3	(39) REF-HD38-306	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	4	4	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	5	5	(43) REF-HD38-513	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	6	6	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]

Proposal 10989 - Visit 25 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	7	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	8	8	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	9	9	(39) REF-HD38-306	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	11	11	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	12	12	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	13	13	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	14	14	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	15	15	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	16	16	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	17	17	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	18	18	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	19	19	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	20	20	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	21	21	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]



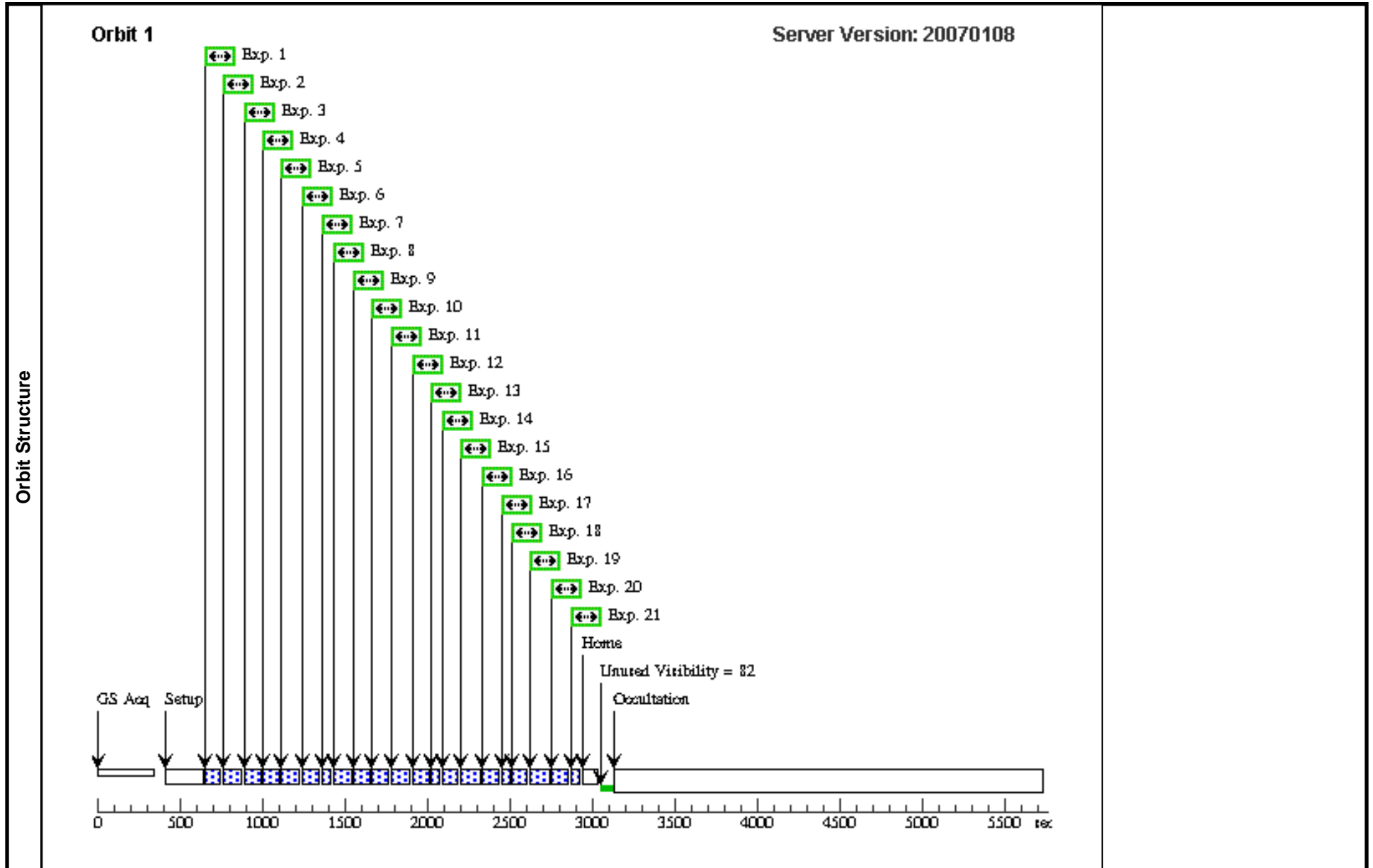
Proposal 10989 - Visit 26 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:24 GMT 2007

Visit	Proposal 10989, Visit 26, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 245.0D TO 260.0 D; BETWEEN 18-AUG-2006:00:34:20 AND 19-AUG-2006:00:34:20										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD38529	RA: 05 46 34.9120 (86.6454667d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000	Proper Motion RA: -0.00534s/yr Proper Motion Dec: -0.14179"/yr Parallax: 0.02357" Epoch of Position: 1991.25 Radial Velocity: 28.9 km/sec	V=5.94+/-0.02	Reference Frame: ICRS				
	(38)	REF-HD38-180	RA: 05 46 29.9140 (86.6246417d) Dec: +01 10 56.14 (1.18226d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(39)	REF-HD38-306	RA: 05 46 51.7610 (86.7156708d) Dec: +01 11 6.54 (1.18515d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(41)	REF-HD38-399	RA: 05 46 34.1260 (86.6421917d) Dec: +01 11 39.16 (1.19421d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(43)	REF-HD38-513	RA: 05 46 27.0340 (86.6126417d) Dec: +01 10 59.12 (1.18309d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(46)	REF-HD38-598	RA: 05 46 37.3630 (86.6556792d) Dec: +01 09 27.94 (1.15776d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(6) HD38529	FGS, POS, 1	F5ND			Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	2	2	(38) REF-HD38-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	3	3	(39) REF-HD38-306	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	4	4	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	5	5	(43) REF-HD38-513	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	6	6	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]

Proposal 10989 - Visit 26 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures (continued)	7	7	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs	[1]	
								[==>]		
	8	8	(38) REF-HD38-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs	[1]
								[==>]		
	9	9	(39) REF-HD38-306	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs	[1]
								[==>]		
	10	10	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs	[1]
								[==>]		
	11	11	(43) REF-HD38-513	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs	[1]
								[==>]		
	12	12	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs	[1]
								[==>]		
	13	13	(6) HD38529	FGS, POS, 1	F5ND			Sequence 1-21 Non-Int	10.0 Secs	[1]
								[==>]		
	14	14	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs	[1]
								[==>]		
	15	15	(43) REF-HD38-513	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs	[1]
								[==>]		
	16	16	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs	[1]
								[==>]		
	17	17	(6) HD38529	FGS, POS, 1	F5ND			Sequence 1-21 Non-Int	10.0 Secs	[1]
							[==>]			
18	18	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs	[1]	
							[==>]			
19	19	(43) REF-HD38-513	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs	[1]	
							[==>]			
20	20	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs	[1]	
							[==>]			
21	21	(6) HD38529	FGS, POS, 1	F5ND			Sequence 1-21 Non-Int	10.0 Secs	[1]	
							[==>]			



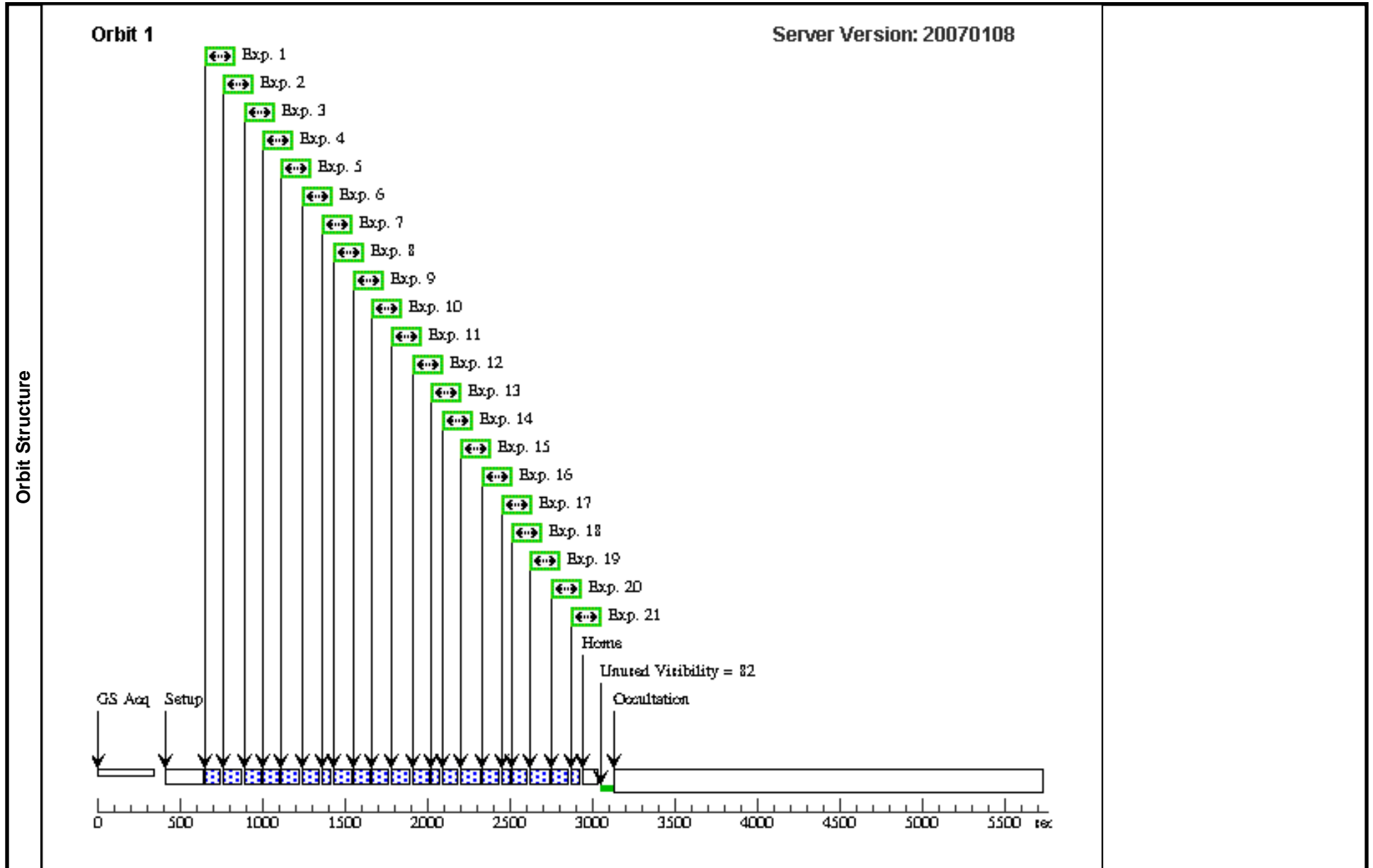
Proposal 10989 - Visit 27 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:25 GMT 2007

Visit	Proposal 10989, Visit 27, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 245.0D TO 260.0 D; BETWEEN 19-AUG-2006:00:34:20 AND 22-AUG-2006:00:34:20										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD38529	RA: 05 46 34.9120 (86.6454667d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000	Proper Motion RA: -0.00534s/yr Proper Motion Dec: -0.14179"/yr Parallax: 0.02357" Epoch of Position: 1991.25 Radial Velocity: 28.9 km/sec	V=5.94+/-0.02	Reference Frame: ICRS				
	(38)	REF-HD38-180	RA: 05 46 29.9140 (86.6246417d) Dec: +01 10 56.14 (1.18226d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(39)	REF-HD38-306	RA: 05 46 51.7610 (86.7156708d) Dec: +01 11 6.54 (1.18515d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(41)	REF-HD38-399	RA: 05 46 34.1260 (86.6421917d) Dec: +01 11 39.16 (1.19421d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(43)	REF-HD38-513	RA: 05 46 27.0340 (86.6126417d) Dec: +01 10 59.12 (1.18309d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(46)	REF-HD38-598	RA: 05 46 37.3630 (86.6556792d) Dec: +01 09 27.94 (1.15776d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(6) HD38529	FGS, POS, 1	F5ND			Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	2	2	(38) REF-HD38-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	3	3	(39) REF-HD38-306	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	4	4	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	5	5	(43) REF-HD38-513	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	6	6	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]

Proposal 10989 - Visit 27 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	7	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	8	8	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	9	9	(39) REF-HD38-306	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	11	11	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	12	12	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	13	13	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	14	14	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	15	15	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	16	16	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	17	17	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	18	18	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	19	19	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	20	20	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	21	21	(6) HD38529	FGS, POS, 1	F5ND		Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]



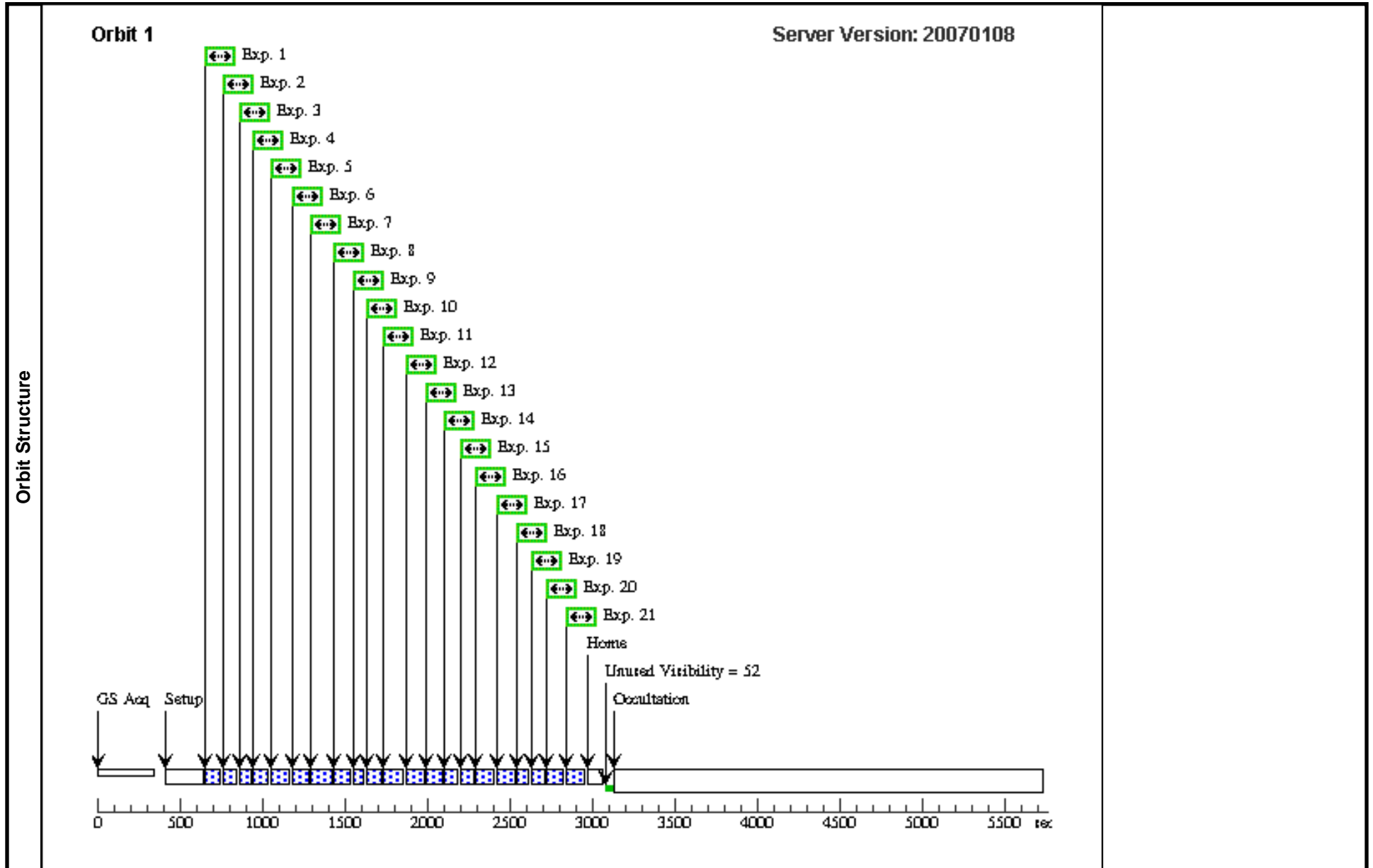
Proposal 10989 - Visit 28 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:25 GMT 2007

Visit	Proposal 10989, Visit 28, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 295.0D TO 295.0 D; BETWEEN 18-NOV-2006:00:00:00 AND 19-NOV-2006:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD38529	RA: 05 46 34.9120 (86.6454667d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000	Proper Motion RA: -0.00534s/yr Proper Motion Dec: -0.14179"/yr Parallax: 0.02357" Epoch of Position: 1991.25 Radial Velocity: 28.9 km/sec	V=5.94+/-0.02	Reference Frame: ICRS				
	(38)	REF-HD38-180	RA: 05 46 29.9140 (86.6246417d) Dec: +01 10 56.14 (1.18226d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(39)	REF-HD38-306	RA: 05 46 51.7610 (86.7156708d) Dec: +01 11 6.54 (1.18515d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(41)	REF-HD38-399	RA: 05 46 34.1260 (86.6421917d) Dec: +01 11 39.16 (1.19421d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(43)	REF-HD38-513	RA: 05 46 27.0340 (86.6126417d) Dec: +01 10 59.12 (1.18309d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(46)	REF-HD38-598	RA: 05 46 37.3630 (86.6556792d) Dec: +01 09 27.94 (1.15776d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(6) HD38529	FGS, POS, 1	F5ND		POS TARG -20,58	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	2	2	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	3	3	(6) HD38529	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	4	4	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	5	5	(38) REF-HD38-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	6	6	(39) REF-HD38-306	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]

Proposal 10989 - Visit 28 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	7	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	8	8	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	9	9	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	10	10	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	11	11	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	12	12	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	13	13	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	14	14	(39) REF-HD38-306	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	15	15	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	16	16	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	17	17	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	18	18	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	19	19	(39) REF-HD38-306	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	20	20	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	21	21	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]



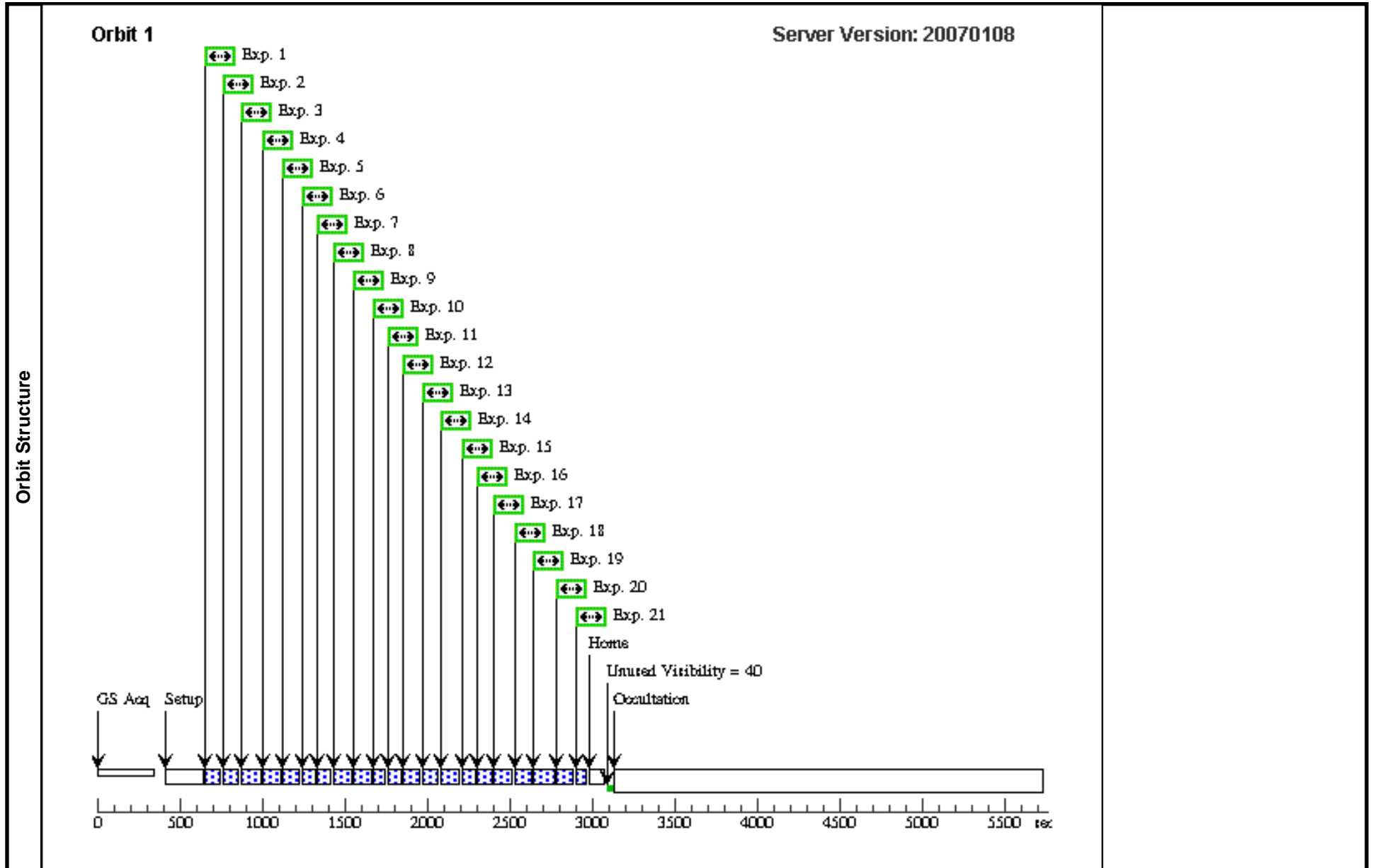
Proposal 10989 - Visit 29 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:26 GMT 2007

Visit	Proposal 10989, Visit 29, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 295.0D TO 295.0 D; BETWEEN 19-NOV-2006:00:00:00 AND 22-NOV-2006:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD38529	RA: 05 46 34.9120 (86.6454667d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000	Proper Motion RA: -0.00534s/yr Proper Motion Dec: -0.14179"/yr Parallax: 0.02357" Epoch of Position: 1991.25 Radial Velocity: 28.9 km/sec	V=5.94+/-0.02	Reference Frame: ICRS				
	(38)	REF-HD38-180	RA: 05 46 29.9140 (86.6246417d) Dec: +01 10 56.14 (1.18226d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(39)	REF-HD38-306	RA: 05 46 51.7610 (86.7156708d) Dec: +01 11 6.54 (1.18515d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(41)	REF-HD38-399	RA: 05 46 34.1260 (86.6421917d) Dec: +01 11 39.16 (1.19421d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(43)	REF-HD38-513	RA: 05 46 27.0340 (86.6126417d) Dec: +01 10 59.12 (1.18309d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(46)	REF-HD38-598	RA: 05 46 37.3630 (86.6556792d) Dec: +01 09 27.94 (1.15776d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(6) HD38529	FGS, POS, 1	F5ND		POS TARG 25,58	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	2	2	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	3	3	(43) REF-HD38-513	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	4	4	(38) REF-HD38-180	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	5	5	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	6	6	(39) REF-HD38-306	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]

Proposal 10989 - Visit 29 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	7	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	8	8	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	9	9	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	10	10	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	11	11	(39) REF-HD38-306	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	12	12	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	13	13	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	14	14	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	15	15	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	16	16	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	17	17	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	18	18	(39) REF-HD38-306	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	19	19	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	20	20	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	21	21	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]



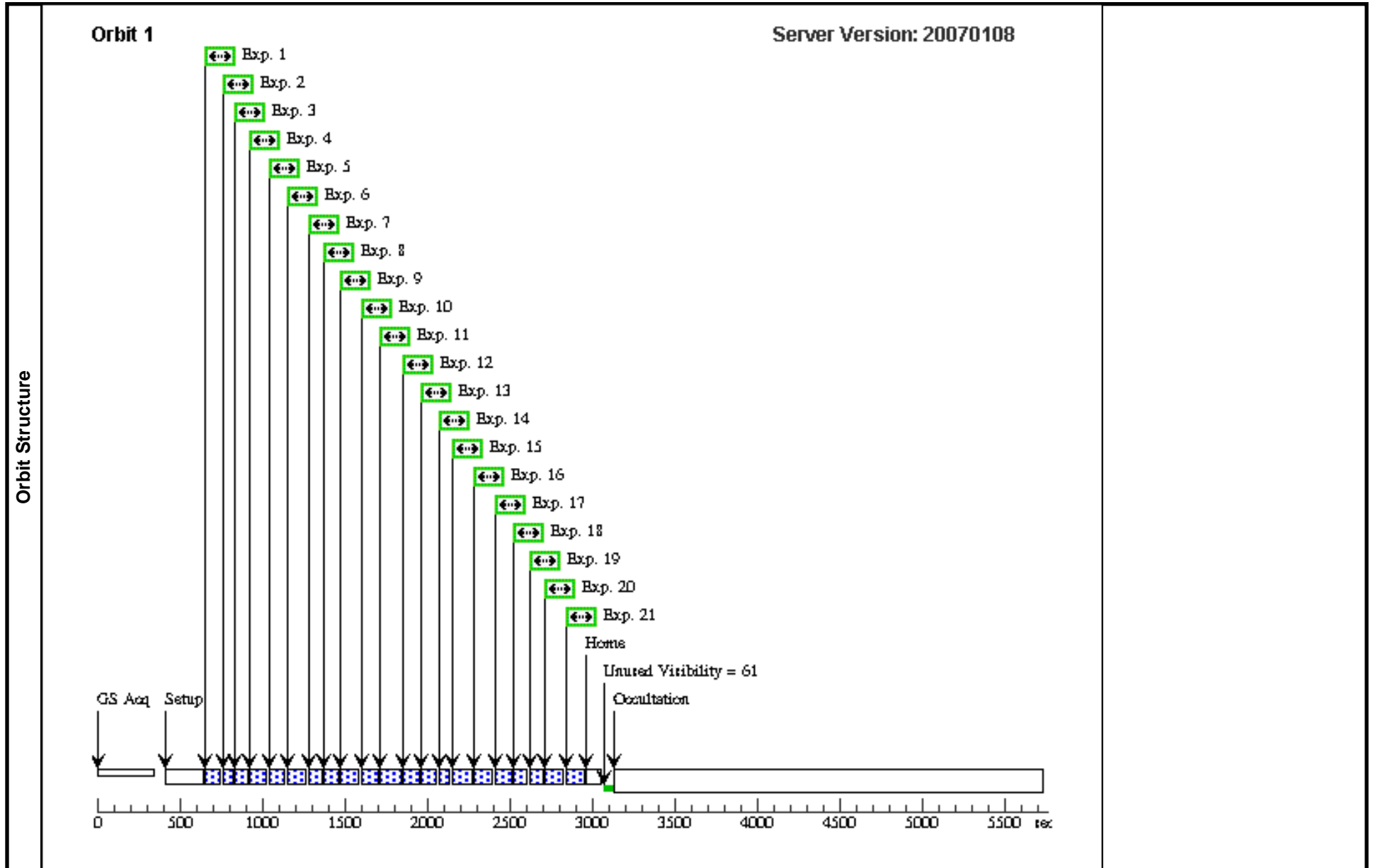
Proposal 10989 - Visit 30 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:29 GMT 2007

Visit	Proposal 10989, Visit 30, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: SCHED 70%; ORIENT 295.0D TO 295.0 D; BETWEEN 22-NOV-2006:00:00:00 AND 25-NOV-2006:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD38529	RA: 05 46 34.9120 (86.6454667d) Dec: +01 10 5.50 (1.16819d) Equinox: J2000	Proper Motion RA: -0.00534s/yr Proper Motion Dec: -0.14179"/yr Parallax: 0.02357" Epoch of Position: 1991.25 Radial Velocity: 28.9 km/sec	V=5.94+/-0.02	Reference Frame: ICRS				
	(38)	REF-HD38-180	RA: 05 46 29.9140 (86.6246417d) Dec: +01 10 56.14 (1.18226d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS				
	(39)	REF-HD38-306	RA: 05 46 51.7610 (86.7156708d) Dec: +01 11 6.54 (1.18515d) Equinox: J2000		V=12.9+/-0.2	Reference Frame: ICRS				
	(41)	REF-HD38-399	RA: 05 46 34.1260 (86.6421917d) Dec: +01 11 39.16 (1.19421d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(43)	REF-HD38-513	RA: 05 46 27.0340 (86.6126417d) Dec: +01 10 59.12 (1.18309d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(46)	REF-HD38-598	RA: 05 46 37.3630 (86.6556792d) Dec: +01 09 27.94 (1.15776d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(6) HD38529	FGS, POS, 1	F5ND		POS TARG 92,46	Sequence 1-21 Non-Int	10.0 Secs [==>]	[1]
	2	2	(6) HD38529	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	3	3	(39) REF-HD38-306	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	4	4	(46) REF-HD38-598	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	5	5	(41) REF-HD38-399	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	6	6	(43) REF-HD38-513	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]

Proposal 10989 - Visit 30 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	7	7	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	8	8	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	9	9	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	10	10	(39) REF-HD38-306	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	11	11	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	12	12	(41) REF-HD38-399	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	13	13	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	14	14	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	15	15	(43) REF-HD38-513	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	16	16	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	17	17	(46) REF-HD38-598	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	18	18	(39) REF-HD38-306	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	19	19	(6) HD38529	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-21 Non-Int	20.0 Secs [==>]	[1]
	20	20	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]
	21	21	(38) REF-HD38-180	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30.0 Secs [==>]	[1]



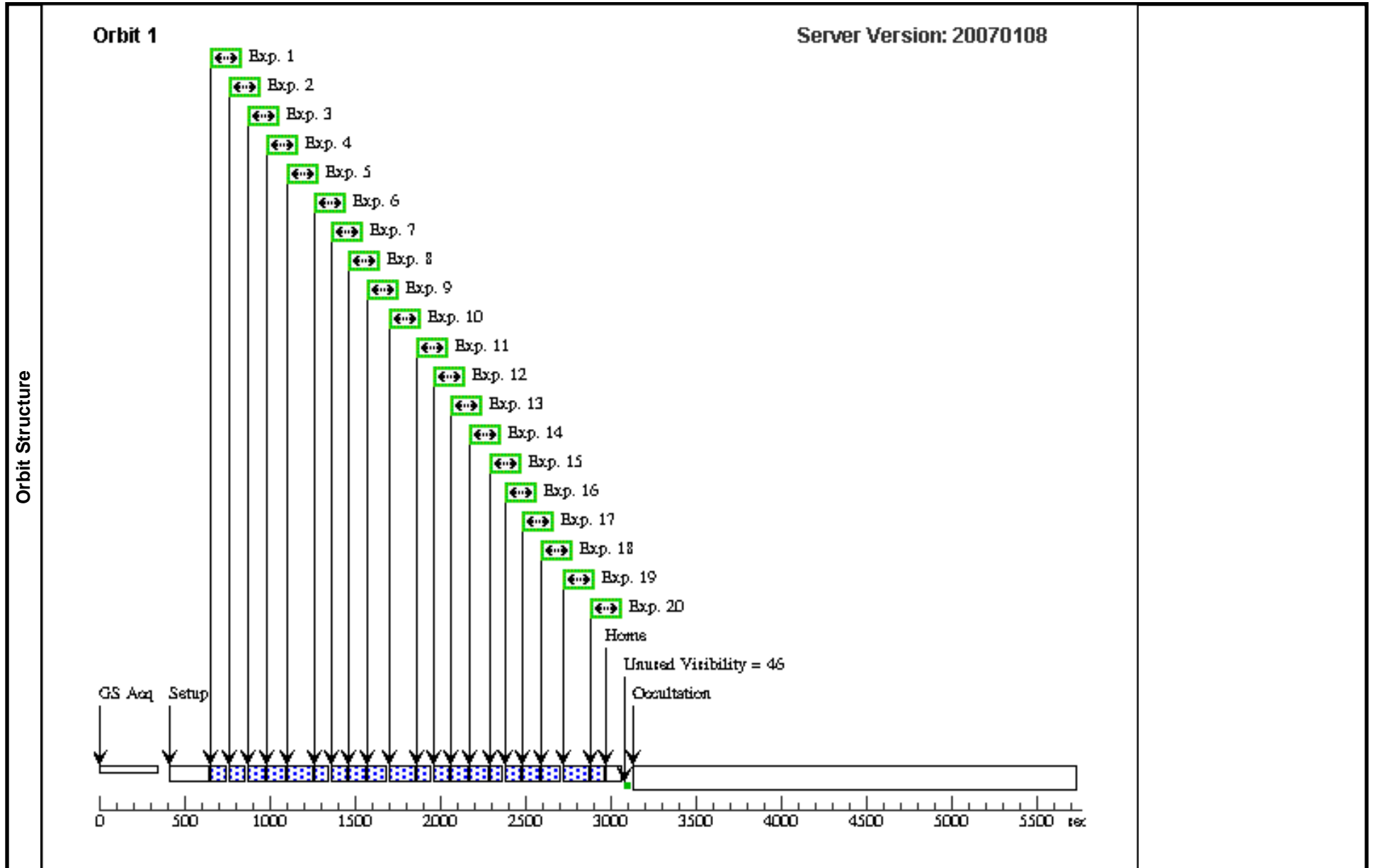
Proposal 10989 - Visit 31 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:30 GMT 2007

Visit	Proposal 10989, Visit 31, completed									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 217.0D TO 260.0 D; BETWEEN 01-JUN-2006:00:00:00 AND 03-JUN-2006:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	HD168443	RA: 18 20 3.9316 (275.0163817d) Dec: -09 35 44.60 (-9.59572d) Equinox: J2000	Proper Motion RA: -0.00623s/yr Proper Motion Dec: -0.22416"/yr Parallax: 0.0264" Epoch of Position: 1991.25 Radial Velocity: -48.85 km/sec	V=6.92+/-0.02	Reference Frame: ICRS				
	(20)	REF-HD16-205	RA: 18 20 10.6780 (275.0444917d) Dec: -09 33 44.39 (-9.56233d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(22)	REF-HD16-279	RA: 18 20 1.7230 (275.0071792d) Dec: -09 34 59.48 (-9.58319d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(23)	REF-HD16-283	RA: 18 20 15.8230 (275.0659292d) Dec: -09 34 10.06 (-9.56946d) Equinox: J2000		V=15.3+/-0.2	Reference Frame: ICRS				
(25)	REF-HD16-314	RA: 18 20 1.5650 (275.0065208d) Dec: -09 36 19.22 (-9.60534d) Equinox: J2000		V=14.3+/-0.2	Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(4) HD168443	FGS, POS, 1	F5ND			Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	2	2	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	3	3	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	4	4	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	5	5	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	6	6	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	7	7	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
8	8	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	

Proposal 10989 - Visit 31 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures (continued)	9	9	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	10	10	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	11	11	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs	[==>]	[1]
	12	12	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	13	13	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	14	14	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	15	15	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs	[==>]	[1]
	16	16	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	17	17	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	18	18	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	19	19	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	20	20	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs	[==>]	[1]



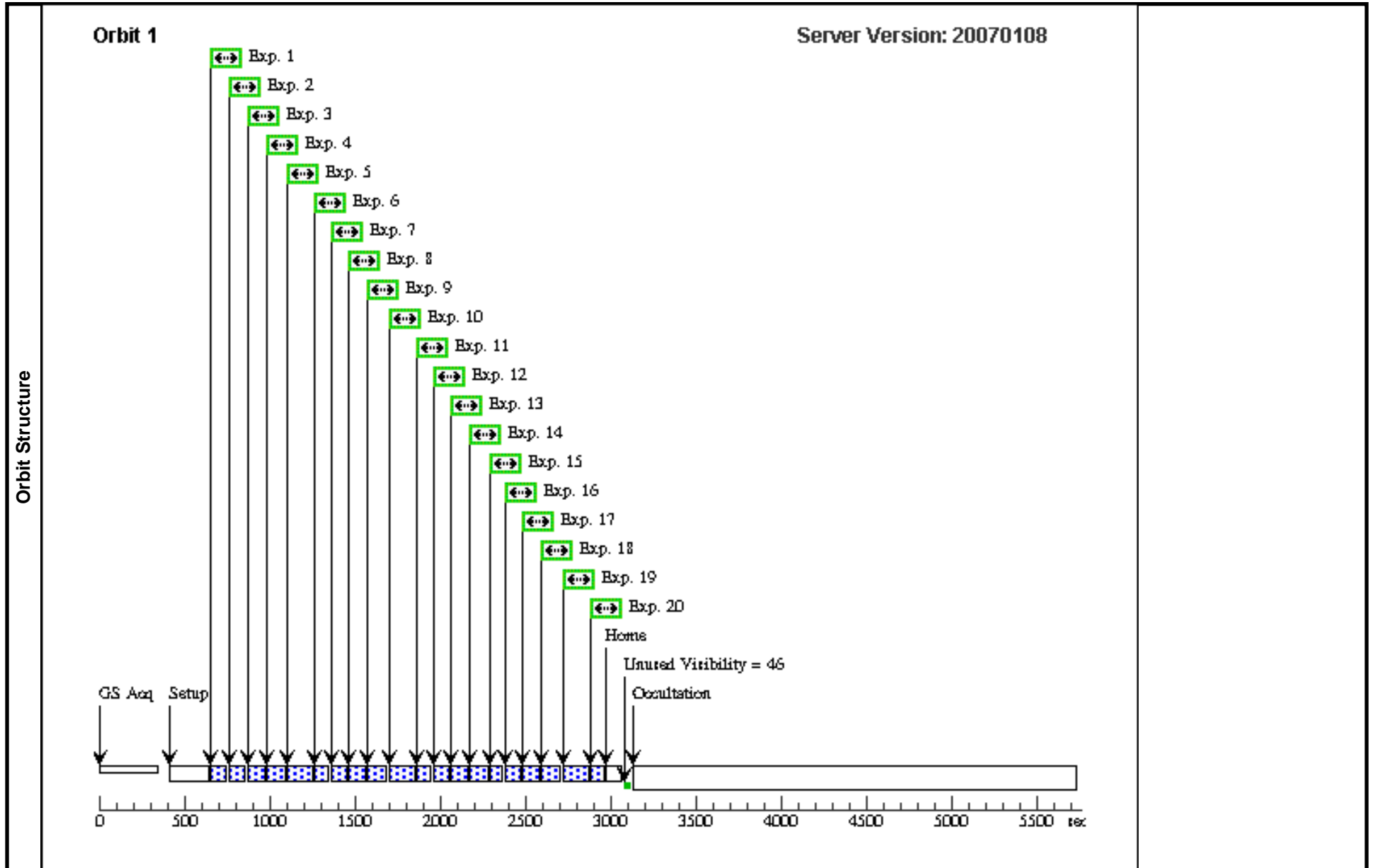
Proposal 10989 - Visit 32 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:31 GMT 2007

Visit	Proposal 10989, Visit 32, completed Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 217.0D TO 260.0 D; BETWEEN 03-JUN-2006:00:00:00 AND 06-JUN-2006:00:00:00									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(4)	HD168443	RA: 18 20 3.9316 (275.0163817d) Dec: -09 35 44.60 (-9.59572d) Equinox: J2000	Proper Motion RA: -0.00623s/yr Proper Motion Dec: -0.22416"/yr Parallax: 0.0264" Epoch of Position: 1991.25 Radial Velocity: -48.85 km/sec	V=6.92+/-0.02	Reference Frame: ICRS				
	(20)	REF-HD16-205	RA: 18 20 10.6780 (275.0444917d) Dec: -09 33 44.39 (-9.56233d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(22)	REF-HD16-279	RA: 18 20 1.7230 (275.0071792d) Dec: -09 34 59.48 (-9.58319d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(23)	REF-HD16-283	RA: 18 20 15.8230 (275.0659292d) Dec: -09 34 10.06 (-9.56946d) Equinox: J2000		V=15.3+/-0.2	Reference Frame: ICRS				
	(25)	REF-HD16-314	RA: 18 20 1.5650 (275.0065208d) Dec: -09 36 19.22 (-9.60534d) Equinox: J2000		V=14.3+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(4) HD168443	FGS, POS, 1	F5ND			Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	2	2	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	3	3	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	4	4	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	5	5	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	6	6	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	7	7	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
8	8	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	

Proposal 10989 - Visit 32 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures (continued)	9	9	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	10	10	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	11	11	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs	[==>]	[1]
	12	12	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	13	13	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	14	14	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	15	15	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs	[==>]	[1]
	16	16	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	17	17	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	18	18	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	19	19	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs	[==>]	[1]
	20	20	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs	[==>]	[1]



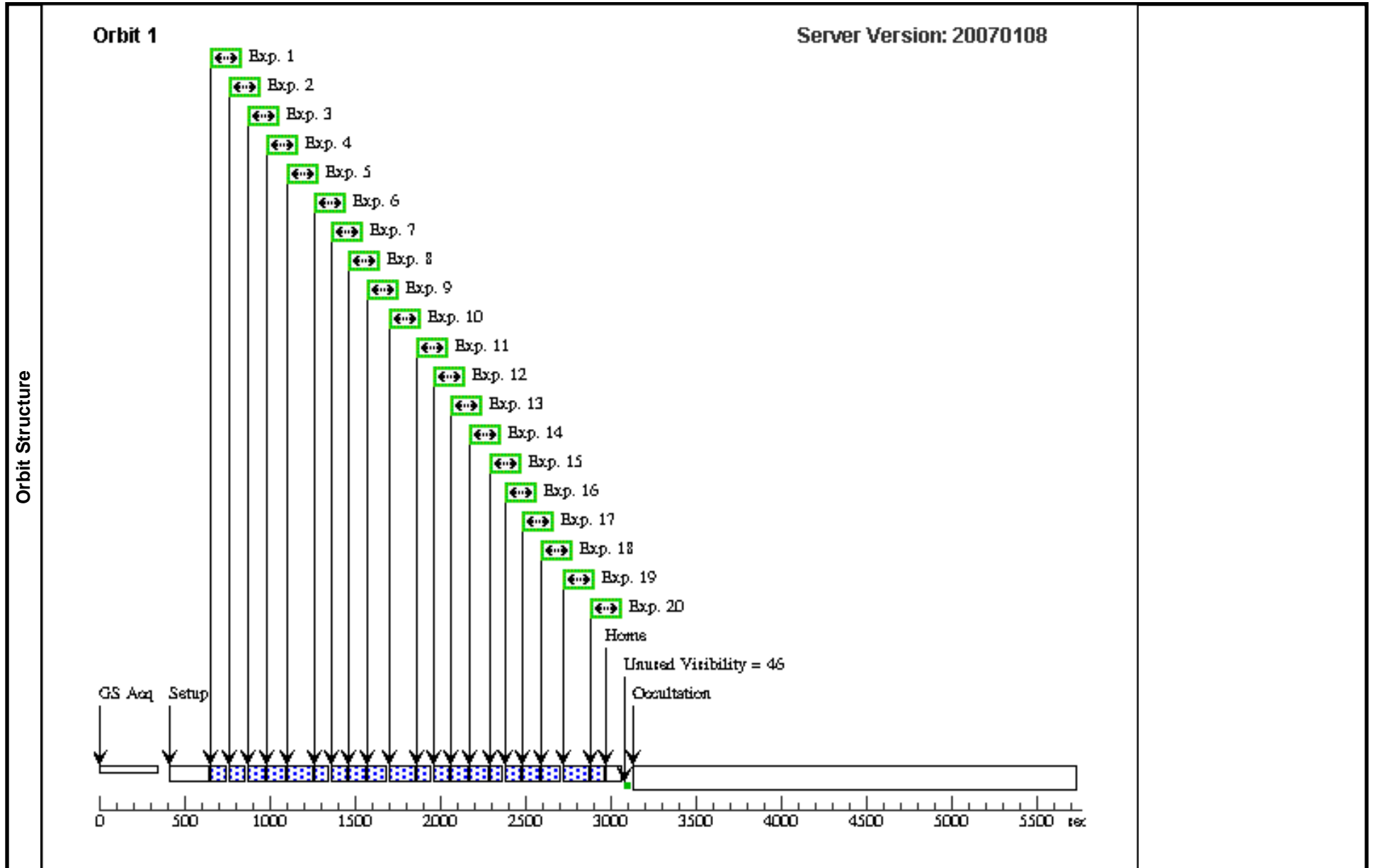
Proposal 10989 - Visit 33 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:31 GMT 2007

Visit	Proposal 10989, Visit 33, scheduling									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 265.0D TO 272.0 D; BETWEEN 10-MAR-2007:00:00:00 AND 14-MAR-2007:23:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	HD168443	RA: 18 20 3.9316 (275.0163817d) Dec: -09 35 44.60 (-9.59572d) Equinox: J2000	Proper Motion RA: -0.00623s/yr Proper Motion Dec: -0.22416"/yr Parallax: 0.0264" Epoch of Position: 1991.25 Radial Velocity: -48.85 km/sec	V=6.92+/-0.02	Reference Frame: ICRS				
	(20)	REF-HD16-205	RA: 18 20 10.6780 (275.0444917d) Dec: -09 33 44.39 (-9.56233d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(22)	REF-HD16-279	RA: 18 20 1.7230 (275.0071792d) Dec: -09 34 59.48 (-9.58319d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(23)	REF-HD16-283	RA: 18 20 15.8230 (275.0659292d) Dec: -09 34 10.06 (-9.56946d) Equinox: J2000		V=15.3+/-0.2	Reference Frame: ICRS				
(25)	REF-HD16-314	RA: 18 20 1.5650 (275.0065208d) Dec: -09 36 19.22 (-9.60534d) Equinox: J2000		V=14.3+/-0.2	Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(4) HD168443	FGS, POS, 1	F5ND		POS TARG 0,24	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	2	2	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	3	3	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	4	4	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	5	5	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	6	6	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	7	7	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
8	8	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	

Proposal 10989 - Visit 33 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(20) REF-HD16-205 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	10	10	(23) REF-HD16-283 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	11	11	(4) HD168443 FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	12	12	(25) REF-HD16-314 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	13	13	(22) REF-HD16-279 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	14	14	(20) REF-HD16-205 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	15	15	(4) HD168443 FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	16	16	(25) REF-HD16-314 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	17	17	(22) REF-HD16-279 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	18	18	(20) REF-HD16-205 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	19	19	(23) REF-HD16-283 FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	20	20	(4) HD168443 FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]



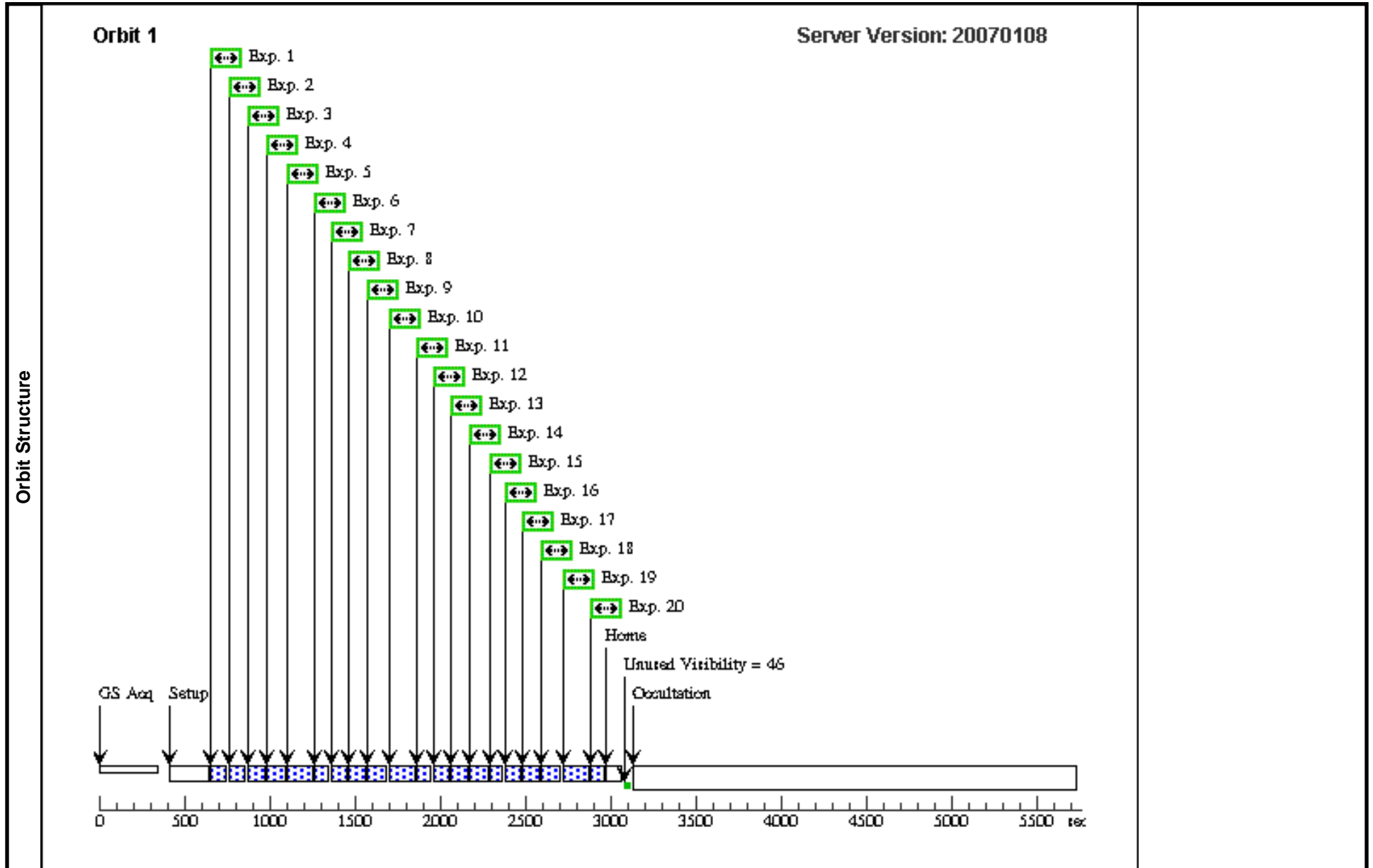
Proposal 10989 - Visit 34 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:32 GMT 2007

Visit		Proposal 10989, Visit 34, scheduling									
		Diagnostic Status: No Diagnostics									
Fixed Targets		Scientific Instruments: FGS									
		Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 264.0D TO 271.0 D; BETWEEN 17-MAR-2007:00:00:00 AND 17-MAR-2007:23:00:00									
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
(4)	HD168443	RA: 18 20 3.9316 (275.0163817d) Dec: -09 35 44.60 (-9.59572d) Equinox: J2000	Proper Motion RA: -0.00623s/yr Proper Motion Dec: -0.22416"/yr Parallax: 0.0264" Epoch of Position: 1991.25 Radial Velocity: -48.85 km/sec	V=6.92+/-0.02	Reference Frame: ICRS						
(20)	REF-HD16-205	RA: 18 20 10.6780 (275.0444917d) Dec: -09 33 44.39 (-9.56233d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS						
(22)	REF-HD16-279	RA: 18 20 1.7230 (275.0071792d) Dec: -09 34 59.48 (-9.58319d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS						
(23)	REF-HD16-283	RA: 18 20 15.8230 (275.0659292d) Dec: -09 34 10.06 (-9.56946d) Equinox: J2000		V=15.3+/-0.2	Reference Frame: ICRS						
(25)	REF-HD16-314	RA: 18 20 1.5650 (275.0065208d) Dec: -09 36 19.22 (-9.60534d) Equinox: J2000		V=14.3+/-0.2	Reference Frame: ICRS						
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
1	1	(4) HD168443	FGS, POS, 1	F5ND		POS TARG 0,21	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]		
2	2	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]		
3	3	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]		
4	4	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]		
5	5	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]		
6	6	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]		
7	7	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]		
8	8	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]		

Proposal 10989 - Visit 34 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	9	9	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	10	10	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	11	11	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	12	12	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	13	13	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	14	14	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	15	15	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	16	16	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	17	17	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
18	18	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	
19	19	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	
20	20	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]	



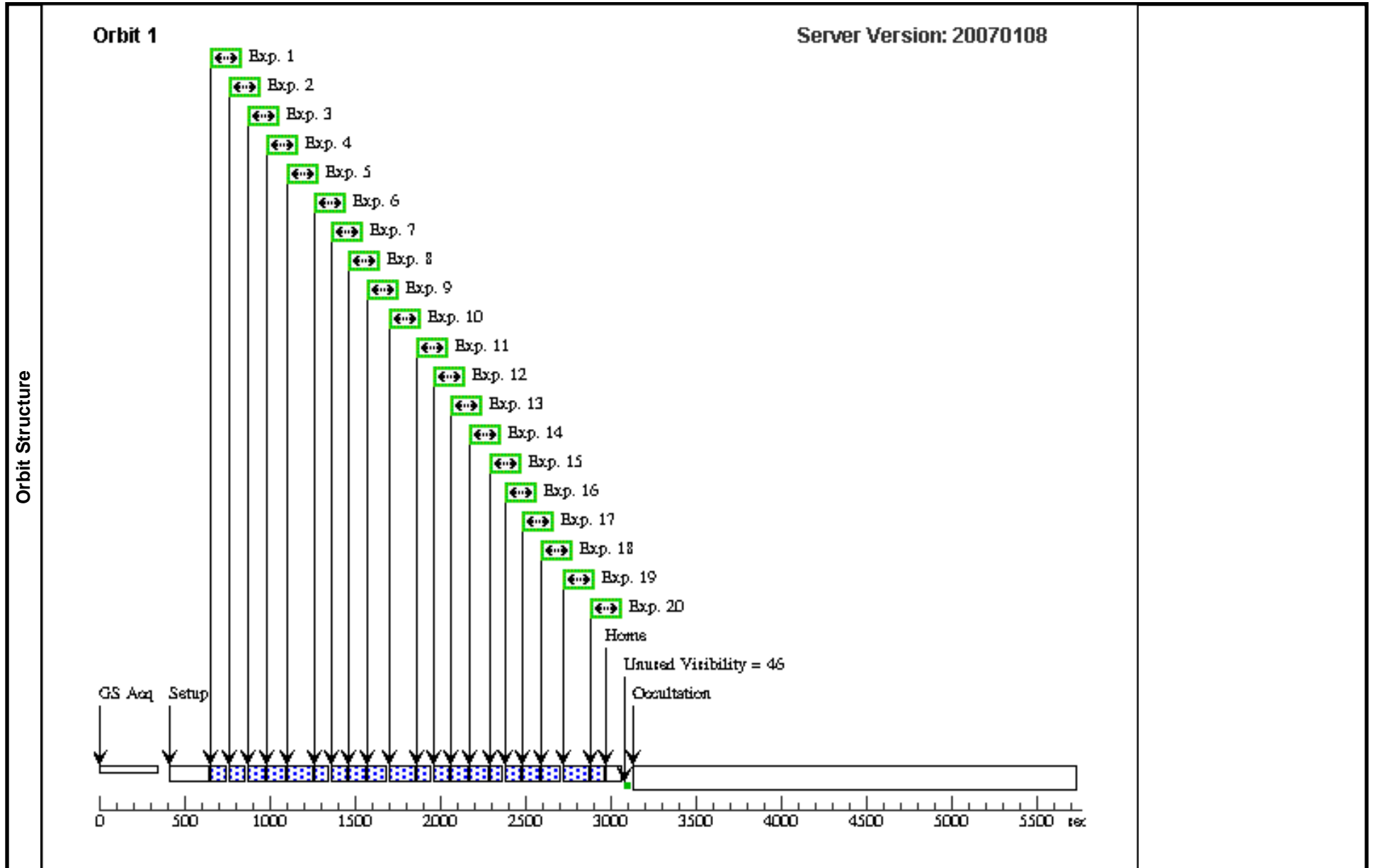
Proposal 10989 - Visit 35 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:33 GMT 2007

Visit		Proposal 10989, Visit 35, scheduling								
		Diagnostic Status: No Diagnostics								
Fixed Targets		Scientific Instruments: FGS								
		Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 263.0D TO 271.0 D; BETWEEN 20-MAR-2007:00:00:00 AND 25-MAR-2007:23:00:00								
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
(4)	HD168443	RA: 18 20 3.9316 (275.0163817d) Dec: -09 35 44.60 (-9.59572d) Equinox: J2000	Proper Motion RA: -0.00623s/yr Proper Motion Dec: -0.22416"/yr Parallax: 0.0264" Epoch of Position: 1991.25 Radial Velocity: -48.85 km/sec	V=6.92+/-0.02	Reference Frame: ICRS					
(20)	REF-HD16-205	RA: 18 20 10.6780 (275.0444917d) Dec: -09 33 44.39 (-9.56233d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS					
(22)	REF-HD16-279	RA: 18 20 1.7230 (275.0071792d) Dec: -09 34 59.48 (-9.58319d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS					
(23)	REF-HD16-283	RA: 18 20 15.8230 (275.0659292d) Dec: -09 34 10.06 (-9.56946d) Equinox: J2000		V=15.3+/-0.2	Reference Frame: ICRS					
(25)	REF-HD16-314	RA: 18 20 1.5650 (275.0065208d) Dec: -09 36 19.22 (-9.60534d) Equinox: J2000		V=14.3+/-0.2	Reference Frame: ICRS					
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
1	1	(4) HD168443	FGS, POS, 1	F5ND		POS TARG 0,21	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]	
2	2	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	
3	3	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	
4	4	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	
5	5	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	
6	6	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]	
7	7	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	
8	8	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	

Proposal 10989 - Visit 35 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(20) REF-HD16-205	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	10	10	(23) REF-HD16-283	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	11	11	(4) HD168443	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	12	12	(25) REF-HD16-314	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	13	13	(22) REF-HD16-279	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	14	14	(20) REF-HD16-205	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	15	15	(4) HD168443	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	16	16	(25) REF-HD16-314	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	17	17	(22) REF-HD16-279	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	18	18	(20) REF-HD16-205	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	19	19	(23) REF-HD16-283	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	20	20	(4) HD168443	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]



Proposal 10989 - Visit 36 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

Wed Feb 28 02:11:34 GMT 2007

Visit	Proposal 10989, Visit 36, scheduling									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: FGS										
Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 263.0D TO 271.0 D; BETWEEN 27-MAR-2007:00:00:00 AND 04-APR-2007:00:00:00										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	HD168443	RA: 18 20 3.9316 (275.0163817d) Dec: -09 35 44.60 (-9.59572d) Equinox: J2000	Proper Motion RA: -0.00623s/yr Proper Motion Dec: -0.22416"/yr Parallax: 0.0264" Epoch of Position: 1991.25 Radial Velocity: -48.85 km/sec	V=6.92+/-0.02	Reference Frame: ICRS				
	(20)	REF-HD16-205	RA: 18 20 10.6780 (275.0444917d) Dec: -09 33 44.39 (-9.56233d) Equinox: J2000		V=14.9+/-0.2	Reference Frame: ICRS				
	(22)	REF-HD16-279	RA: 18 20 1.7230 (275.0071792d) Dec: -09 34 59.48 (-9.58319d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(23)	REF-HD16-283	RA: 18 20 15.8230 (275.0659292d) Dec: -09 34 10.06 (-9.56946d) Equinox: J2000		V=15.3+/-0.2	Reference Frame: ICRS				
(25)	REF-HD16-314	RA: 18 20 1.5650 (275.0065208d) Dec: -09 36 19.22 (-9.60534d) Equinox: J2000		V=14.3+/-0.2	Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	1	(4) HD168443	FGS, POS, 1	F5ND		POS TARG 0,21	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	2	2	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	3	3	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	4	4	(20) REF-HD16-205	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	5	5	(23) REF-HD16-283	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	6	6	(4) HD168443	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	7	7	(25) REF-HD16-314	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
8	8	(22) REF-HD16-279	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]	

Proposal 10989 - Visit 36 - Astrometric Masses of Extrasolar Planets and Brown Dwarfs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	9	(20) REF-HD16-205	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	10	10	(23) REF-HD16-283	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	11	11	(4) HD168443	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	12	12	(25) REF-HD16-314	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	13	13	(22) REF-HD16-279	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	14	14	(20) REF-HD16-205	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	15	15	(4) HD168443	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]
	16	16	(25) REF-HD16-314	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	17	17	(22) REF-HD16-279	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	18	18	(20) REF-HD16-205	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	19	19	(23) REF-HD16-283	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-20 Non-Int	25.0 Secs [==>]	[1]
	20	20	(4) HD168443	FGS, POS, 1	F5ND	SAME POS AS 1	Sequence 1-20 Non-Int	10.0 Secs [==>]	[1]

