



13472 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and Gaia Parallax Stars

Cycle: 21, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) V-AB-UMA	WFC3/IR	1	12-Jul-2013 13:12:23.0	yes
02	(2) V-AM-TUC	WFC3/IR	1	12-Jul-2013 13:12:45.0	yes
03	(3) V-AN-SER	WFC3/IR	1	12-Jul-2013 13:13:05.0	yes
04	(4) V-AP-SER	WFC3/IR	1	12-Jul-2013 13:13:24.0	yes
05	(5) V-AV-PEG	WFC3/IR	1	12-Jul-2013 13:13:47.0	yes
06	(6) V-BH-PEG	WFC3/IR	1	12-Jul-2013 13:14:04.0	yes
07	(7) V-BX-LEO	WFC3/IR	1	12-Jul-2013 13:14:22.0	yes

Proposal 13472 (STScI Edit Number: 0, Created: Friday, July 12, 2013 12:25:44 PM EST) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
08	(8) V-CS-ERI	WFC3/IR	1	12-Jul-2013 13:14:40.0	yes
09	(9) V-CU-COM	WFC3/IR	1	12-Jul-2013 13:14:57.0	yes
10	(10) V-DH-PEG	WFC3/IR	1	12-Jul-2013 13:15:15.0	yes
11	(11) V-DX-DEL	WFC3/IR	1	12-Jul-2013 13:15:36.0	yes
12	(12) V-HK-PUP	WFC3/IR	1	12-Jul-2013 13:15:53.0	yes
13	(13) V-MT-TEL	WFC3/IR	1	12-Jul-2013 13:16:10.0	yes
14	(14) V-RR-CET	WFC3/IR	1	12-Jul-2013 13:16:27.0	yes
15	(15) V-RR-GEM	WFC3/IR	1	12-Jul-2013 13:16:44.0	yes
16	(16) V-RR-LEO	WFC3/IR	1	12-Jul-2013 13:17:00.0	yes
17	(17) V-RU-PSC	WFC3/IR	1	12-Jul-2013 13:17:21.0	yes
18	(18) V-RU-SCL	WFC3/IR	1	12-Jul-2013 13:17:38.0	yes
19	(19) V-RV-CRB	WFC3/IR	1	12-Jul-2013 13:17:55.0	yes
20	(20) V-RV-UMA	WFC3/IR	1	12-Jul-2013 13:18:11.0	yes
21	(21) V-RX-ERI	WFC3/IR	1	12-Jul-2013 13:18:28.0	yes
22	(22) V-RZ-CEP	WFC3/IR	1	12-Jul-2013 13:18:45.0	yes
23	(23) V-ST-BOO	WFC3/IR	1	12-Jul-2013 13:19:06.0	yes
24	(24) V-ST-CVN	WFC3/IR	1	12-Jul-2013 13:19:23.0	yes
25	(25) V-SV-ERI	WFC3/IR	1	12-Jul-2013 13:19:41.0	yes
26	(26) V-SV-HYA	WFC3/IR	1	12-Jul-2013 13:19:58.0	yes
27	(27) V-SV-SCL	WFC3/IR	1	12-Jul-2013 13:20:15.0	yes
28	(28) V-SW-AND	WFC3/IR	1	12-Jul-2013 13:20:36.0	yes
29	(29) V-SW-DRA	WFC3/IR	1	12-Jul-2013 13:20:53.0	yes
30	(30) V-SX-UMA	WFC3/IR	1	12-Jul-2013 13:21:10.0	yes
31	(31) V-TT-LYN	WFC3/IR	1	12-Jul-2013 13:21:26.0	yes
32	(32) V-TU-UMA	WFC3/IR	1	12-Jul-2013 13:21:44.0	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>
33	(33) V-TV-BOO	WFC3/IR	1	12-Jul-2013 13:22:01.0	yes
34	(34) V-TW-HER	WFC3/IR	1	12-Jul-2013 13:22:21.0	yes
35	(35) V-T-SEX	WFC3/IR	1	12-Jul-2013 13:22:38.0	yes
36	(36) V-UU-VIR	WFC3/IR	1	12-Jul-2013 13:22:55.0	yes
37	(37) V-UY-BOO	WFC3/IR	1	12-Jul-2013 13:23:12.0	yes
38	(38) V-UY-CAM	WFC3/IR	1	12-Jul-2013 13:23:29.0	yes
39	(39) V-V440-SGR	WFC3/IR	1	12-Jul-2013 13:23:46.0	yes
40	(40) V-UY-CYG	WFC3/IR	1	12-Jul-2013 13:24:06.0	yes
41	(41) V-V675-SGR	WFC3/IR	1	12-Jul-2013 13:24:23.0	yes
42	(43) V-XZ-CYG	WFC3/IR	1	12-Jul-2013 13:24:40.0	yes
43	(42) V-RR-LYR	WFC3/IR	1	12-Jul-2013 13:24:49.0	yes
44	(44) V-UV-OCT	WFC3/IR	1	12-Jul-2013 13:25:04.0	yes
45	(45) V-SU-DRA	WFC3/IR	1	12-Jul-2013 13:25:21.0	yes

45 Total Orbits Used

ABSTRACT

RR Lyrae stars have an IR PL relation with a precision of 1.5% in distance, which far exceeds the precision of the Cepheid PL relation. We are proposing here to set the zero point for a new and totally independent determination of the extragalactic distance scale, and the Hubble constant, at the <3% level. This is based on RR Lyrae variables tying out to Type Ia supernovae in the far-field Hubble flow using the Tip of the Red Giant Branch method. We will calibrate the RR Lyrae PL relation on the F160W (H-band) system of WFC3, totally eliminating systematic uncertainties in tying into any ground-based system. Currently there are 4 RR Lyrae stars with parallaxes determined by Benedict et al. (2011) using HST; hundreds more will be observed with Gaia. We are building a completely independent (Population II) path to the extragalactic distance scale and the Hubble constant using RR Lyrae variables at the base. This proposal is for snapshot observations of Gaia's 45 nearest (and brightest) Milky Way RR Lyrae variables. They will undoubtedly become "The Zero-Point Calibrators" for the entire Population~II distance scale for decades to come. They need to be observed now, and with HST. We are requesting 2 randomly-phased F160W WFC3 snapshot observations of our fiducial sample of 45 Milky Way calibrating field RR Lyrae. Template fitting to contemporary Spitzer light curves for these same stars will bring the uncertainties on their time-

averaged mean magnitudes down to better than 0.02 mag which is designed to match the 1% error in parallax distances that Gaia will deliver for this select set of RR Lyrae calibration stars.

OBSERVING DESCRIPTION

Each of the 45 requested snap objects is observed with a single exposure followed by 6 sets of 2-exposure 2-point dithers and another single exposure, resulting in an ABBA dither pattern and effectively 13 pairs of exposures. The objects are bright stars ($V \sim 9$ to 11), so readouts are all in rapid mode with either sub64 or sub128 to avoid saturation.

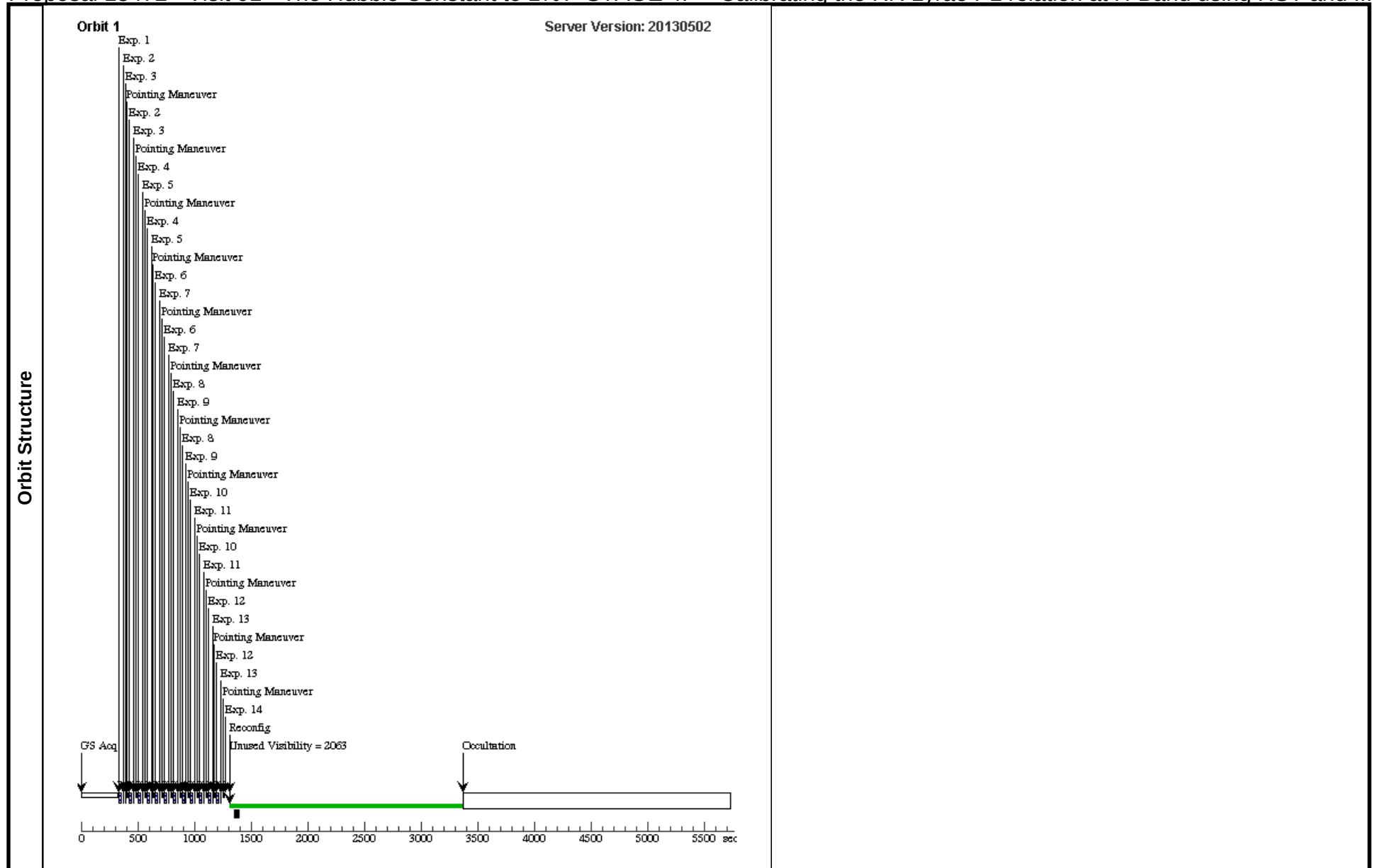
RR Lyrae is the only exception, with each exposure taken in scanning mode, resulting in 2 sets of 2-exposure 2-point dithers.

Proposal 13472 - Visit 01 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 01, implementation Fri Jul 12 17:25:45 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	V-AB-UMA	RA: 12 11 14.5867 (182.8107779d) Dec: +47 49 43.81 (47.82884d) Equinox: J2000		V=10.88
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

Proposal 13472 - Visit 01 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 01 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(1) V-AB-UMA	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

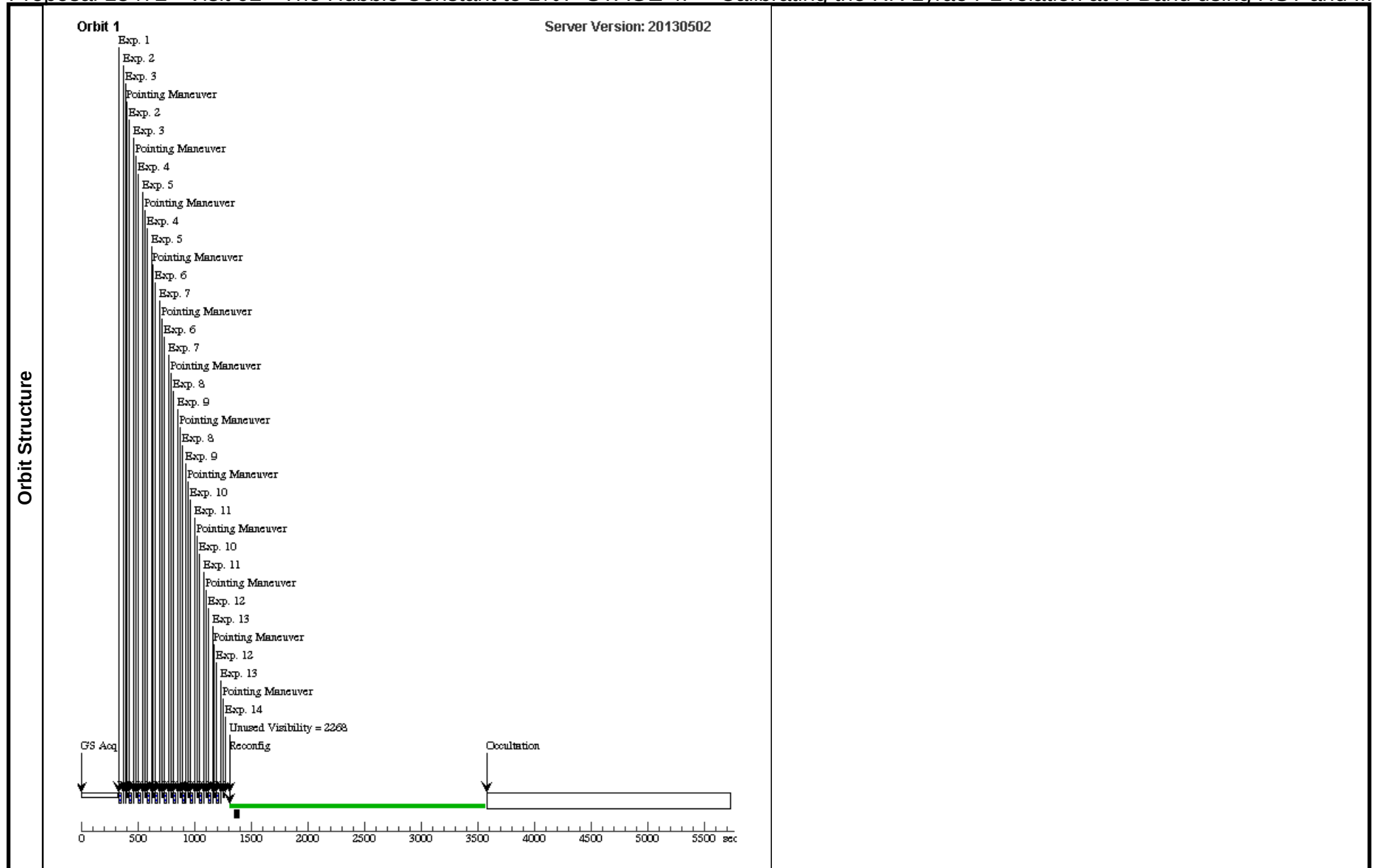


Proposal 13472 - Visit 02 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 02, implementation Fri Jul 12 17:25:48 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(2)	V-AM-TUC	RA: 01 18 30.6473 (19.6276971d) Dec: -67 55 4.95 (-67.91804d) Equinox: J2000		V=11.54
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 02 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 02 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(2) V-AM-TUC	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

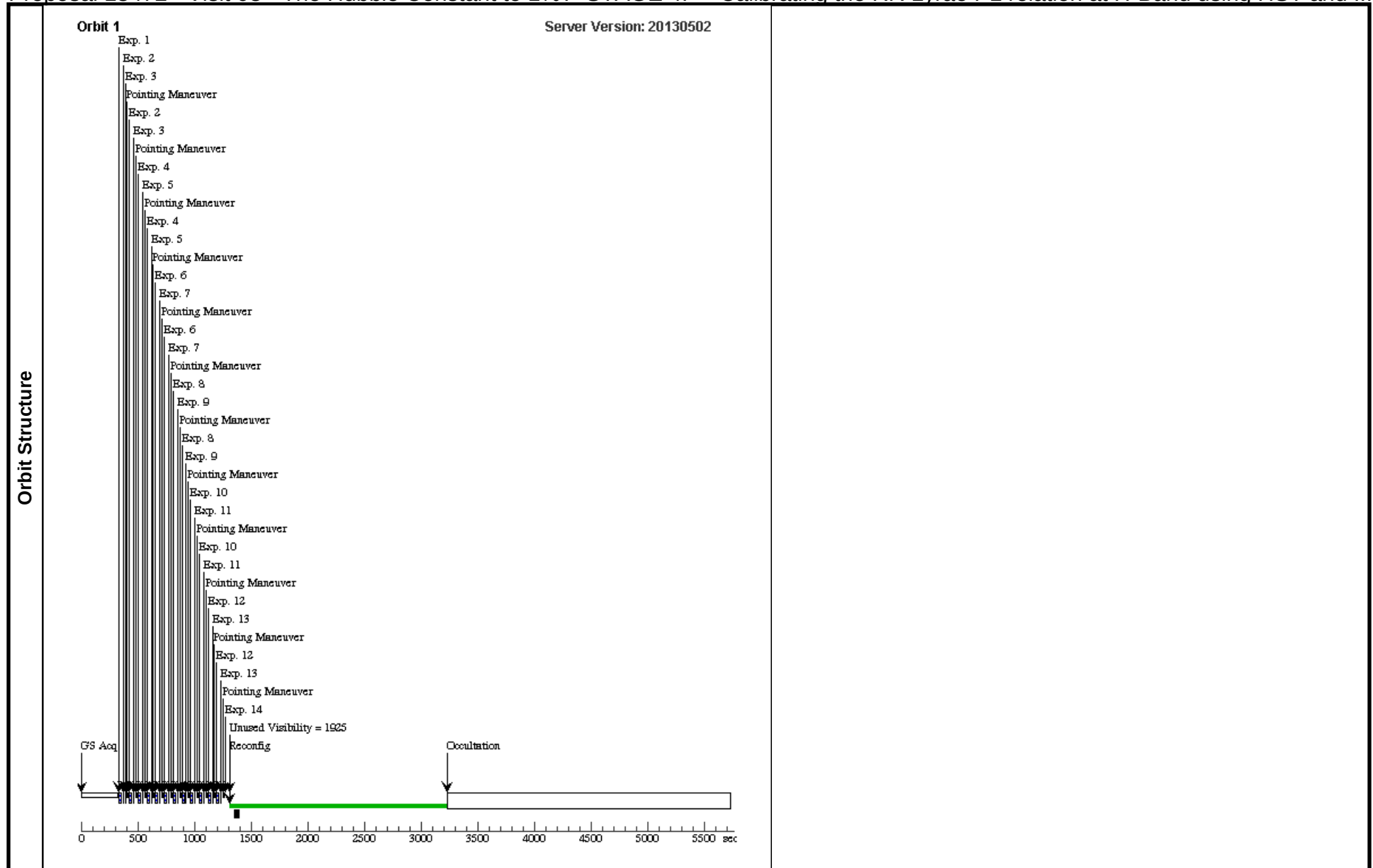


Proposal 13472 - Visit 03 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 03, implementation Fri Jul 12 17:25:50 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(3)	V-AN-SER	RA: 15 53 31.0507 (238.3793779d) Dec: +12 57 40.13 (12.96115d) Equinox: J2000		V=10.93
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 03 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 03 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(3) V-AN-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

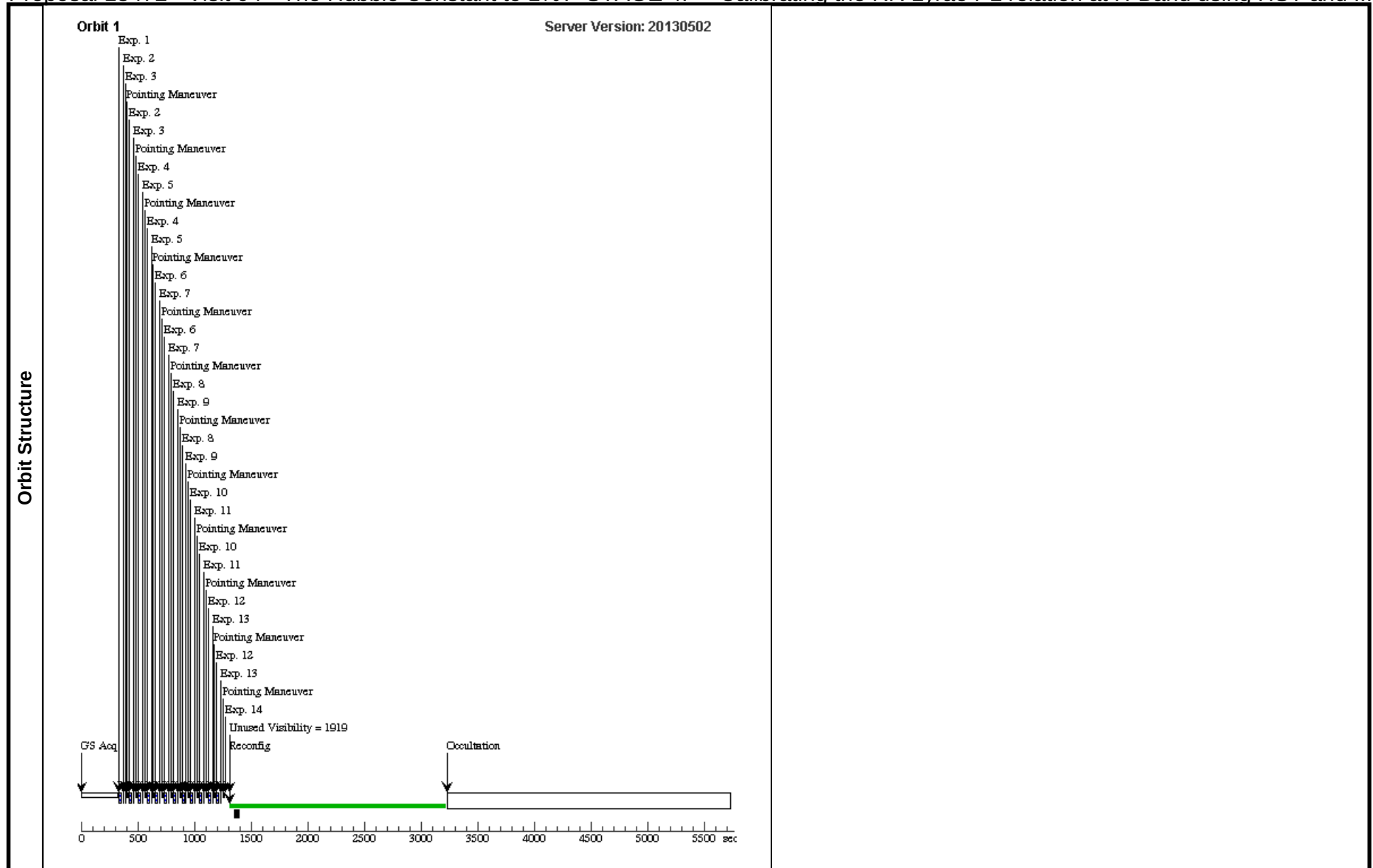


Proposal 13472 - Visit 04 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 04, implementation Fri Jul 12 17:25:51 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	V-AP-SER	RA: 15 14 0.9220 (228.5038417d) Dec: +09 58 51.81 (9.98106d) Equinox: J2000		V=11.27
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 04 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 04 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(4) V-AP-SER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

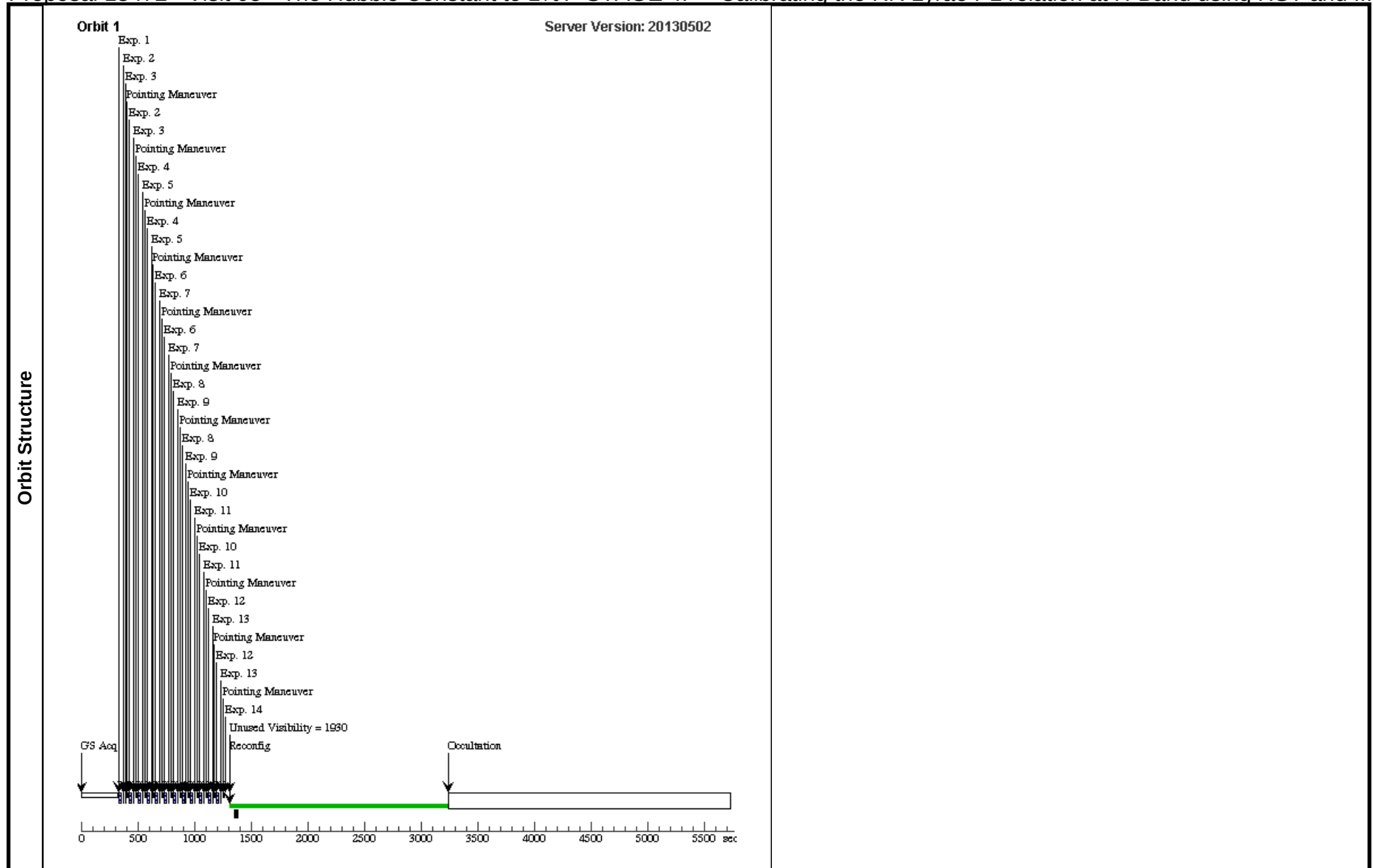


Proposal 13472 - Visit 05 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 05, implementation Fri Jul 12 17:25:53 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	V-AV-PEG	RA: 21 52 2.7945 (328.0116438d) Dec: +22 34 29.38 (22.57483d) Equinox: J2000		V=10.4
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

Proposal 13472 - Visit 05 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 05 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(5) V-AV-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

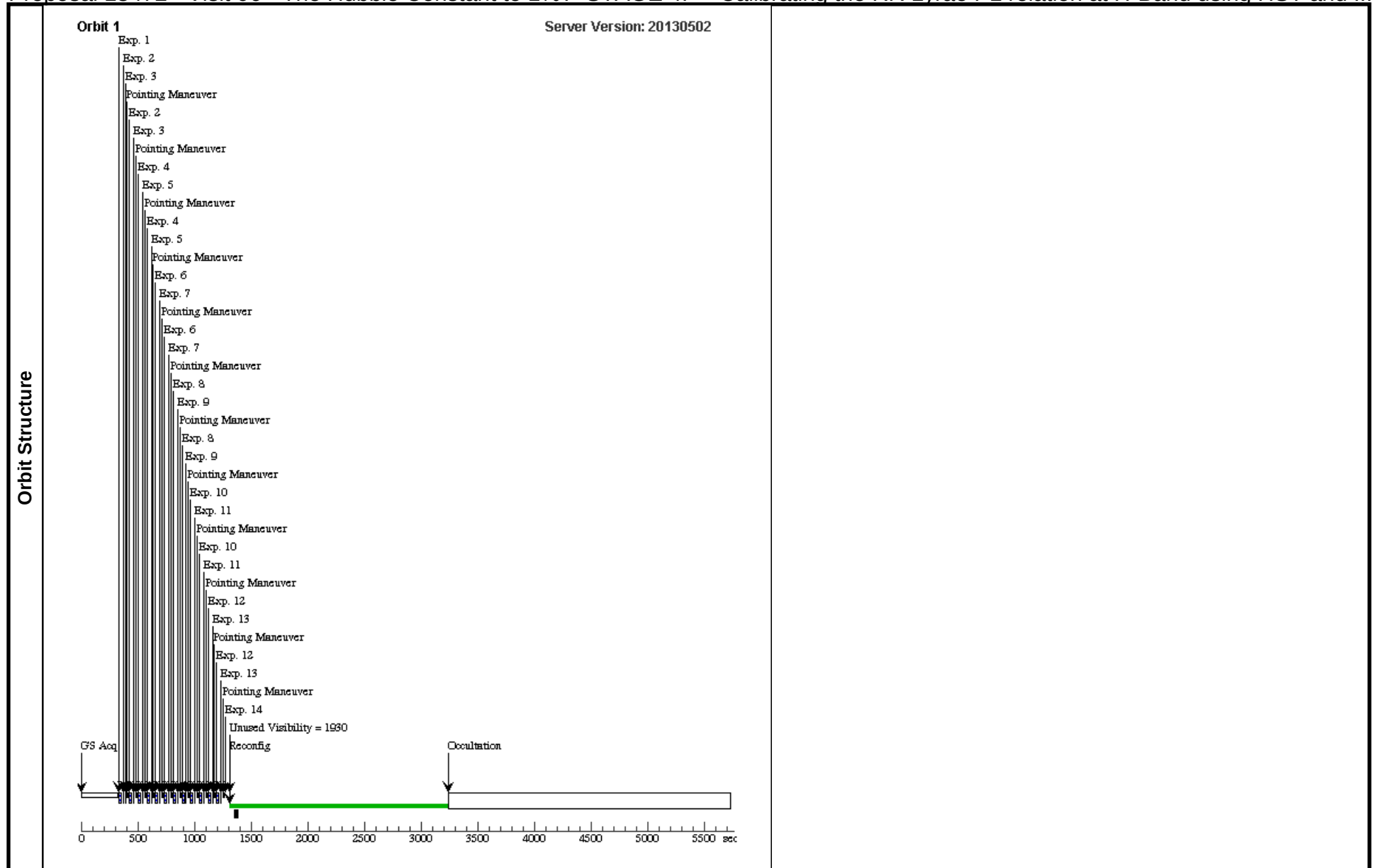


Proposal 13472 - Visit 06 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 06, implementation Fri Jul 12 17:25:54 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(6)	V-BH-PEG	RA: 22 53 1.0368 (343.2543200d) Dec: +15 47 16.60 (15.78794d) Equinox: J2000		V=10.36
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

Proposal 13472 - Visit 06 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]
	2		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	3		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	4		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	5		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	6		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	7		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	8		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	9		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	10		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	11		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	12		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	13		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 06 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	14		(6) V-BH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]

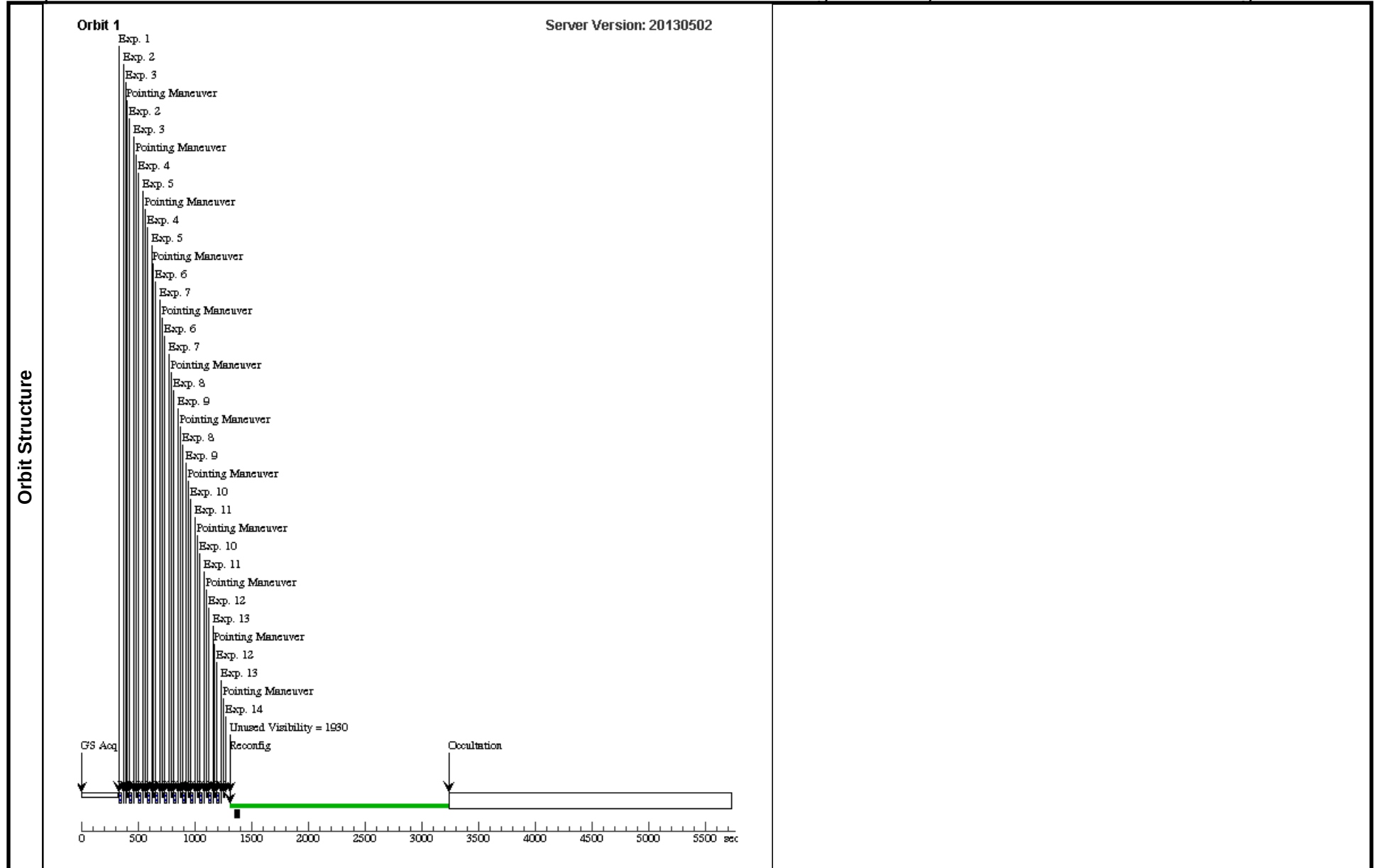


Proposal 13472 - Visit 07 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 07, implementation Fri Jul 12 17:25:55 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(7)	V-BX-LEO	RA: 11 38 2.0652 (174.5086050d) Dec: +16 32 36.19 (16.54339d) Equinox: J2000		V=11.69
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 07 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 07 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(7) V-BX-LEO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

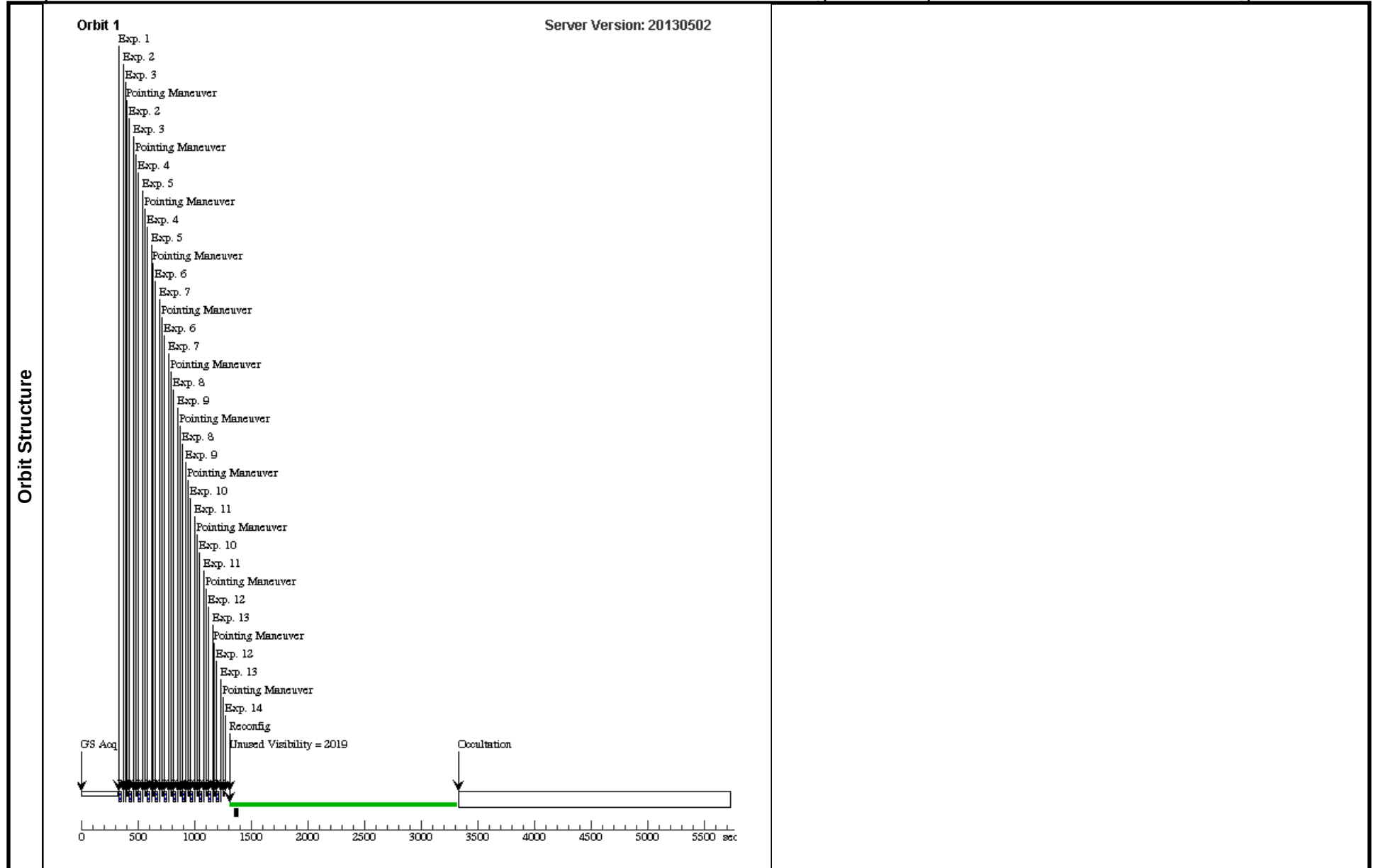


Proposal 13472 - Visit 08 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 08, implementation Fri Jul 12 17:25:56 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(8)	V-CS-ERI	RA: 02 37 5.7587 (39.2739946d) Dec: -42 57 48.06 (-42.96335d) Equinox: J2000		V=9.03
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

Proposal 13472 - Visit 08 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 08 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(8) V-CS-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

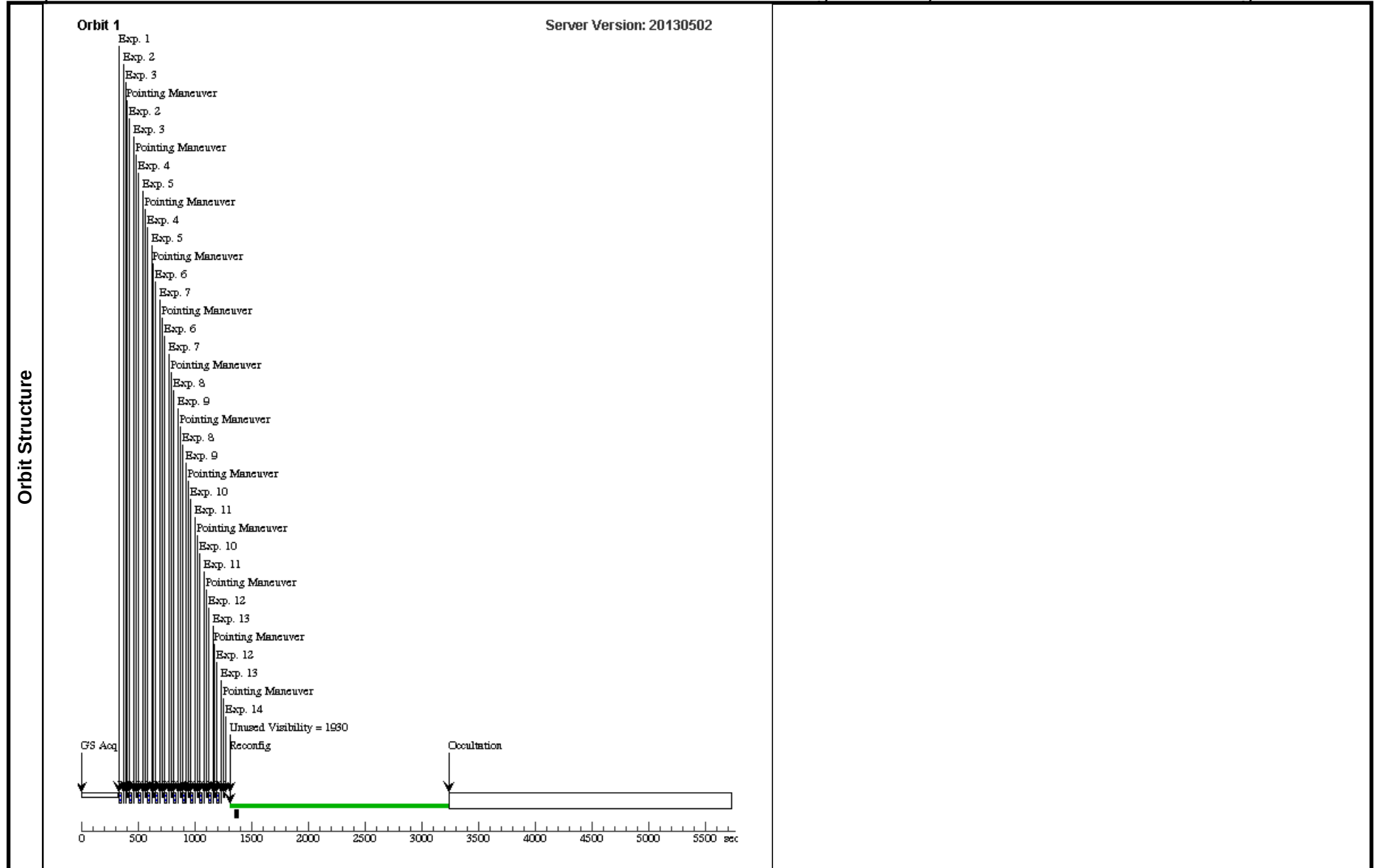


Proposal 13472 - Visit 09 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 09, implementation Fri Jul 12 17:25:58 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(9)	V-CU-COM	RA: 12 24 46.6100 (186.1942083d) Dec: +22 24 28.20 (22.40783d) Equinox: J2000		V=9.0
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 09 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]
	2		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	3		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	4		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	5		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	6		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	7		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	8		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	9		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	10		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	11		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	12		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	13		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 09 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	14		(9) V-CU-COM	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]

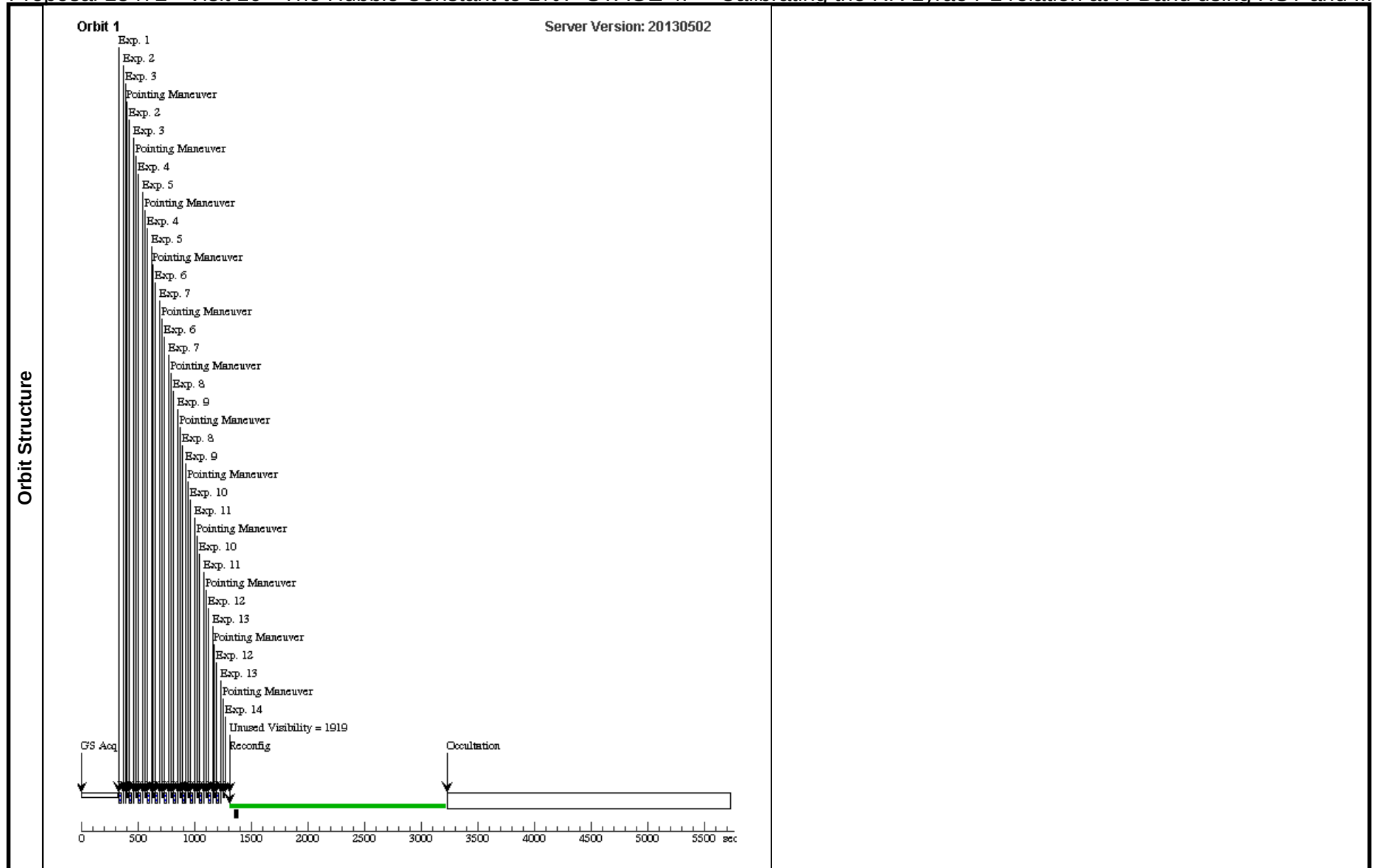


Proposal 13472 - Visit 10 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 10, implementation Fri Jul 12 17:25:59 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(10)	V-DH-PEG	RA: 22 15 25.6400 (333.8568333d) Dec: +06 49 21.45 (6.82262d) Equinox: J2000		V=9.546
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 10 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]
	2		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	3		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	4		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	5		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	6		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	7		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	8		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	9		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	10		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	11		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	12		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	13		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 10 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	14		(10) V-DH-PEG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]

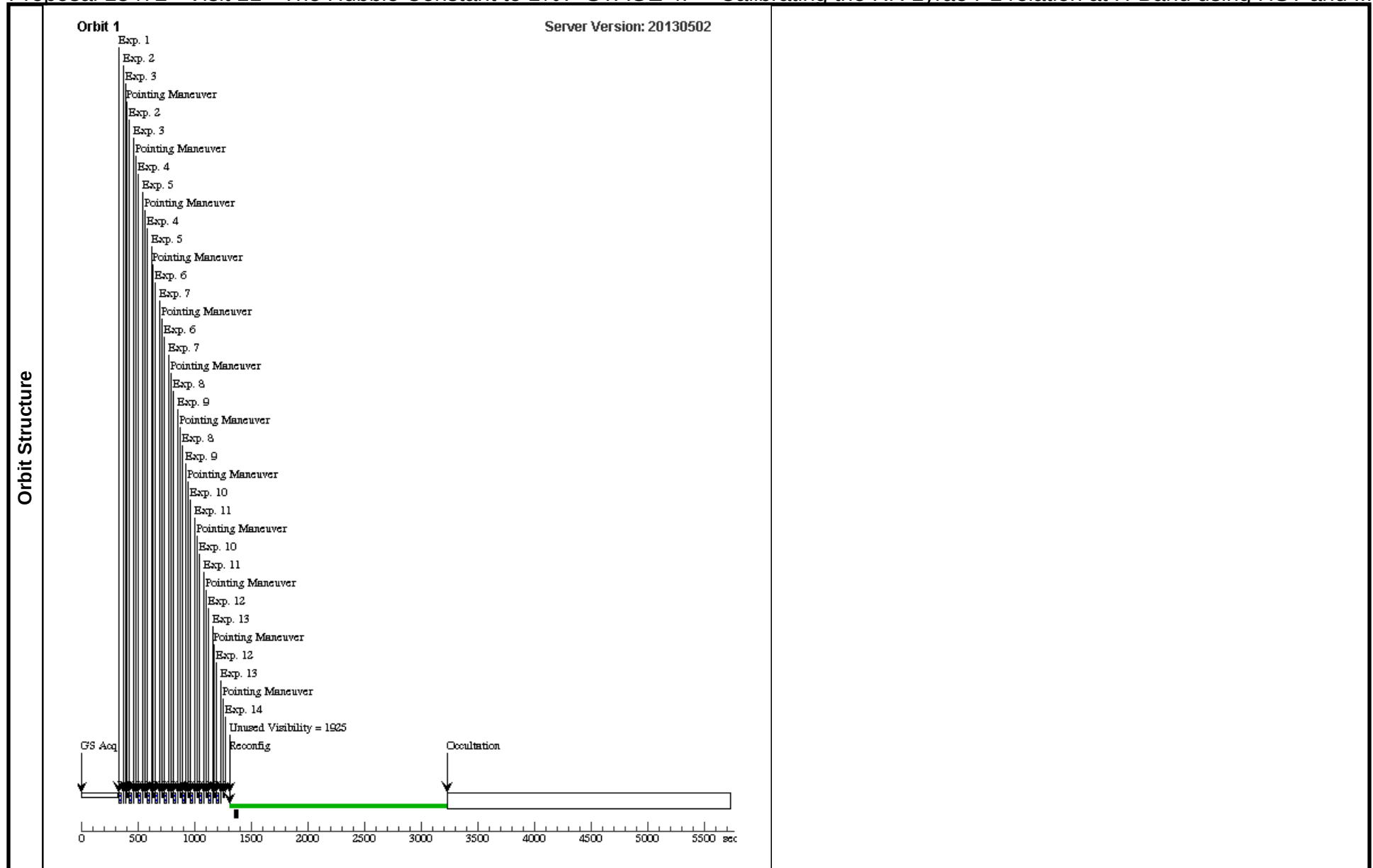


Proposal 13472 - Visit 11 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 11, implementation Fri Jul 12 17:26:00 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	V-DX-DEL	RA: 20 47 28.3559 (311.8681496d) Dec: +12 27 50.69 (12.46408d) Equinox: J2000		V=9.92
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 11 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]
	2		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	3		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	4		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	5		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	6		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	7		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	8		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	9		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	10		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	11		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	12		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	13		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 11 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		[1]
	14		(11) V-DX-DEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]

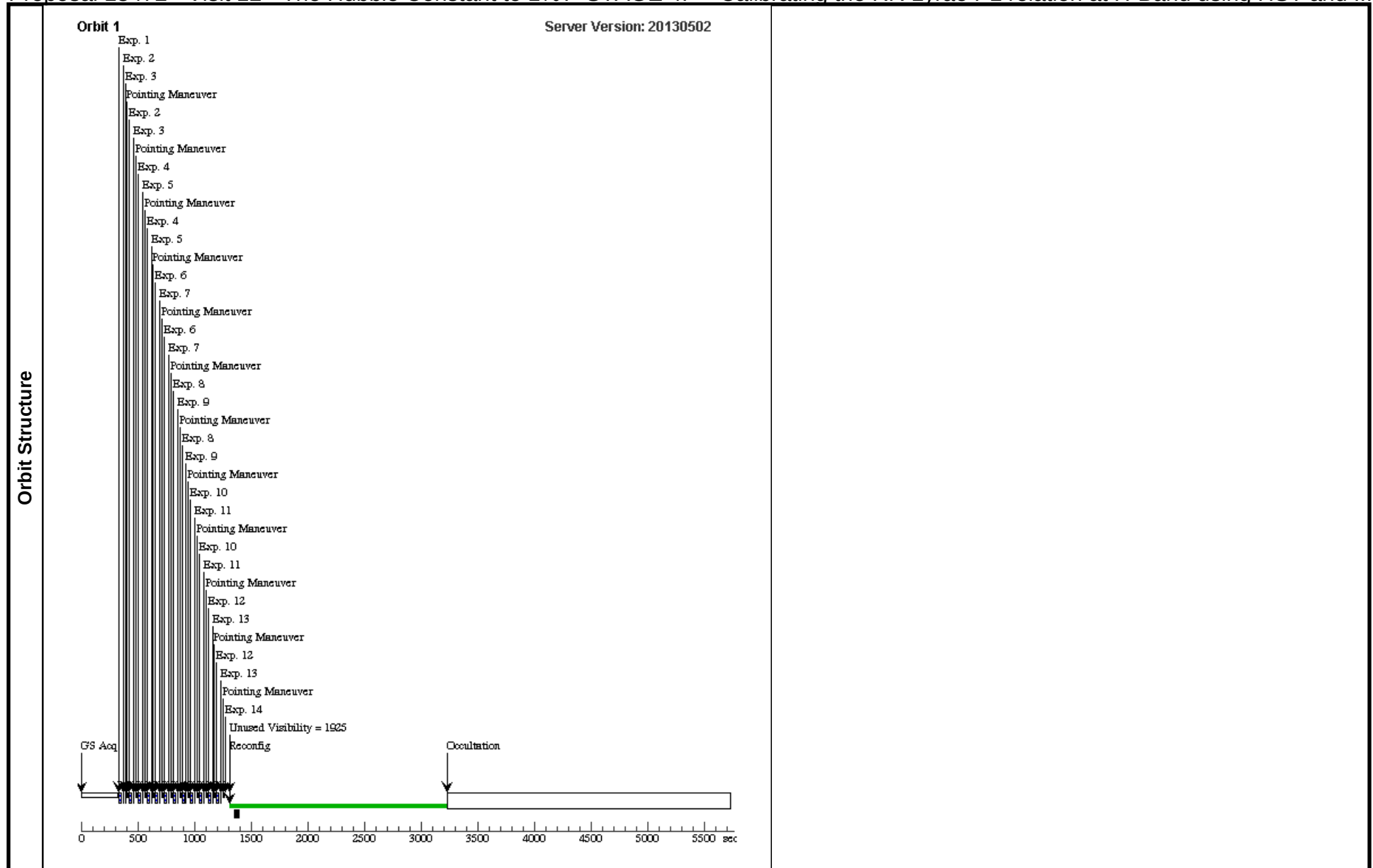


Proposal 13472 - Visit 12 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 12, implementation Fri Jul 12 17:26:01 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(12)	V-HK-PUP	RA: 07 44 46.8019 (116.1950079d) Dec: -13 05 56.31 (-13.09897d) Equinox: J2000		V=11.41
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 12 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 12 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(12) V-HK-PUP	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

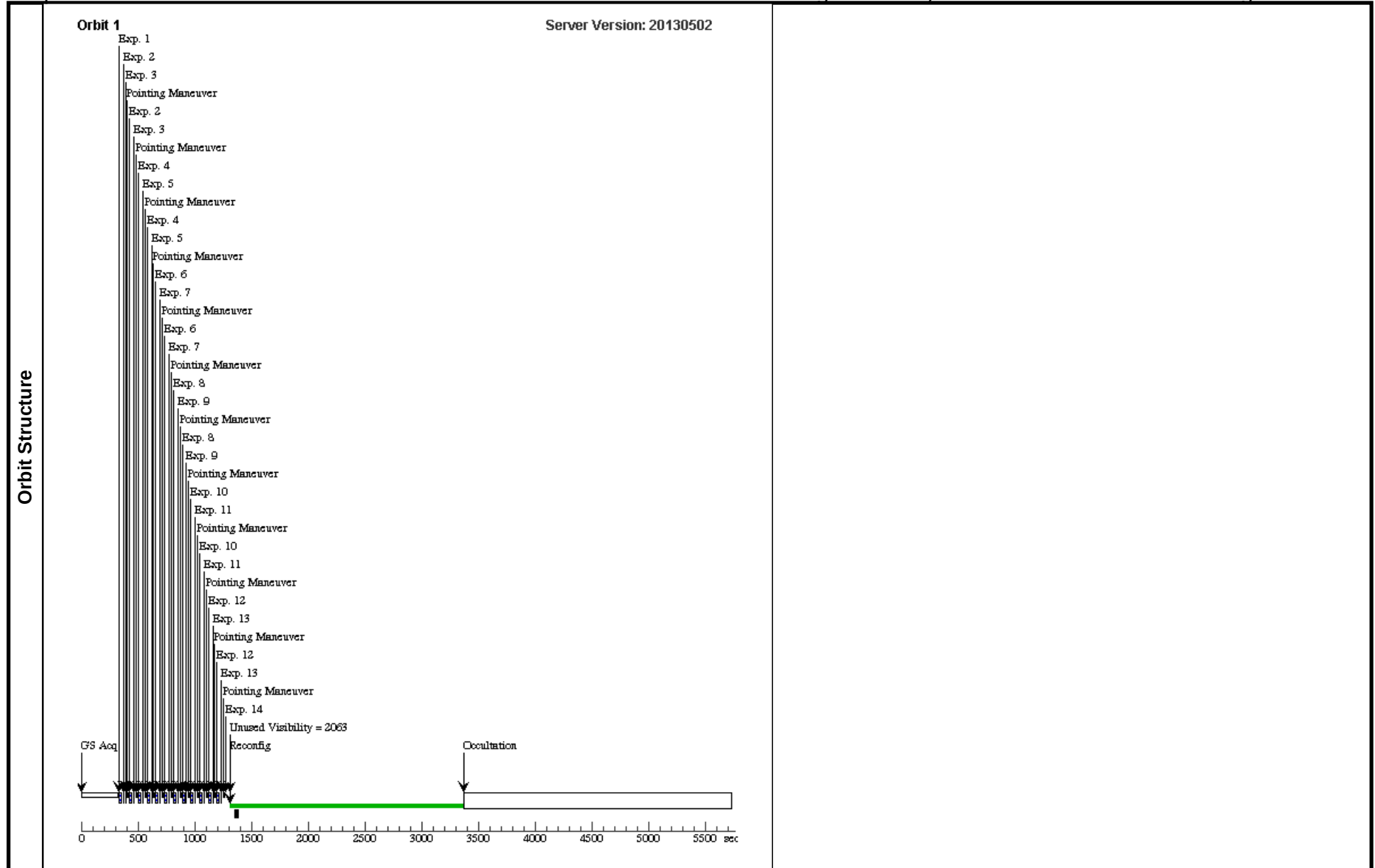


Proposal 13472 - Visit 13 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 13, implementation Fri Jul 12 17:26:02 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(13)	V-MT-TEL	RA: 19 02 12.2803 (285.5511679d) Dec: -46 39 12.09 (-46.65336d) Equinox: J2000		V=8.94
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 13 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 13 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(13) V-MT-TEL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

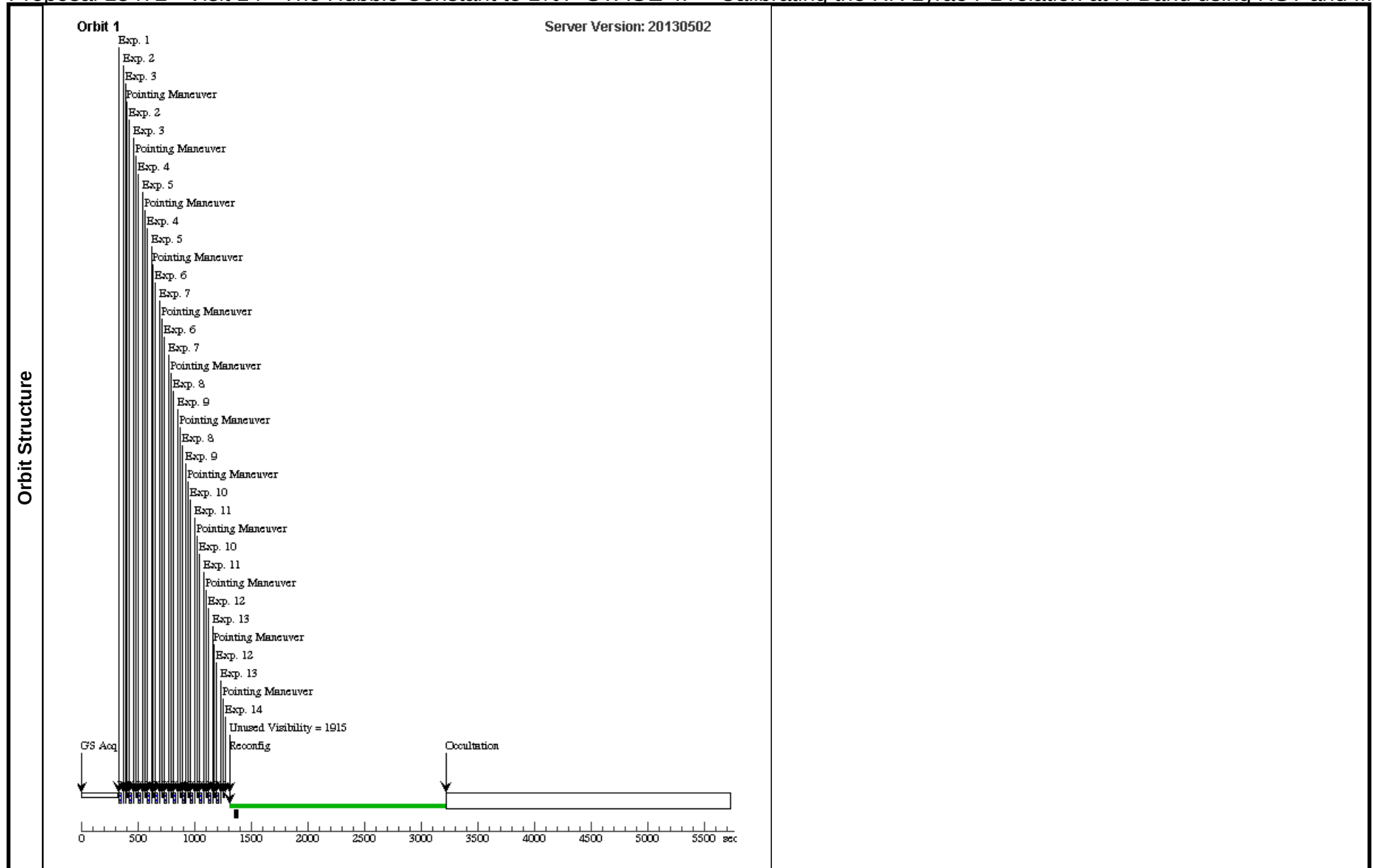


Proposal 13472 - Visit 14 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 14, implementation Fri Jul 12 17:26:03 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(14)	V-RR-CET	RA: 01 32 8.1731 (23.0340546d) Dec: +01 20 30.23 (1.34173d) Equinox: J2000		V=9.65
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 14 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 14 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(14) V-RR-CET	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

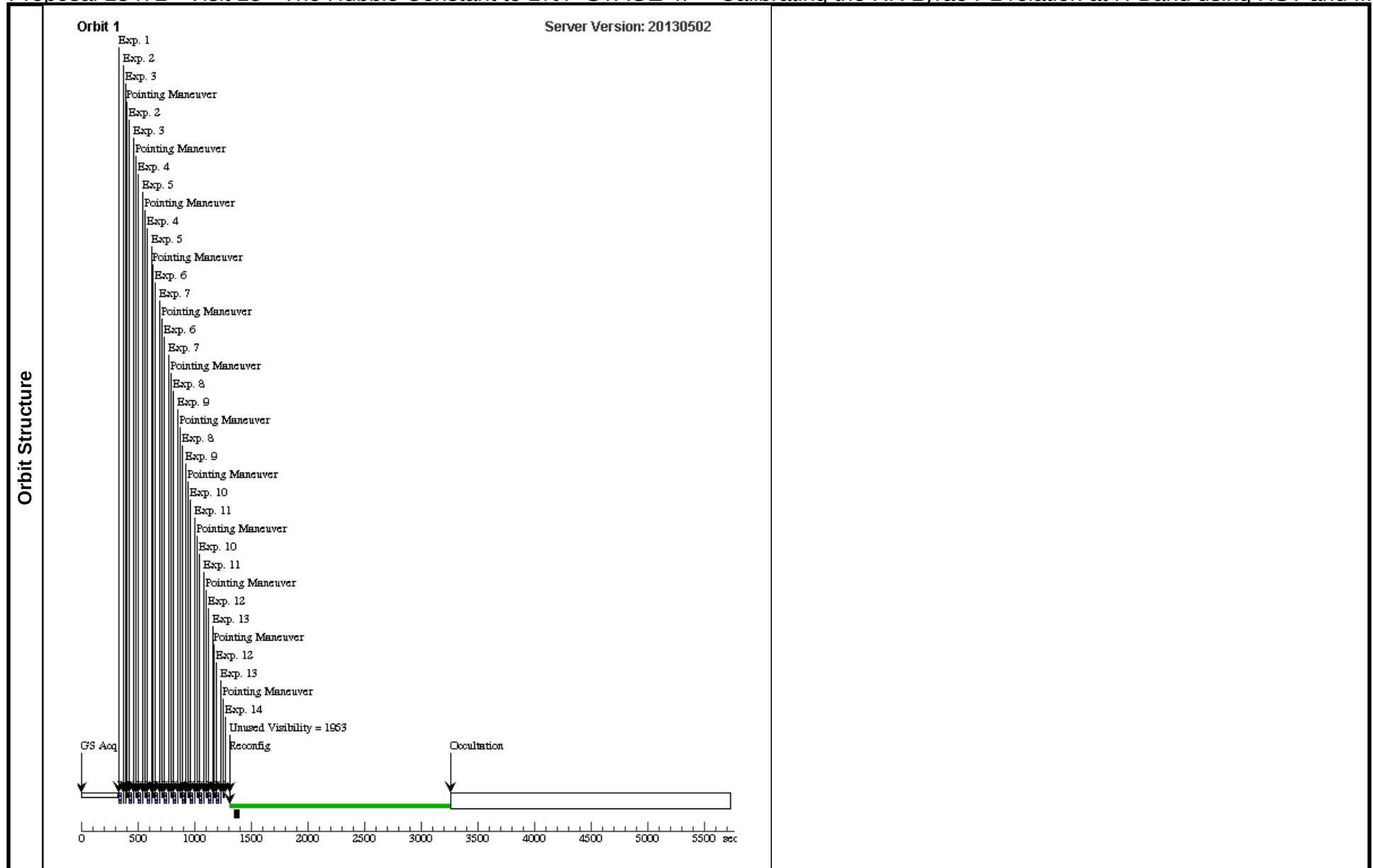


Proposal 13472 - Visit 15 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 15, implementation Fri Jul 12 17:26:04 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(15)	V-RR-GEM	RA: 07 21 33.5325 (110.3897188d) Dec: +30 52 59.46 (30.88318d) Equinox: J2000		V=11.92
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 15 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 15 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(15) V-RR-GEM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

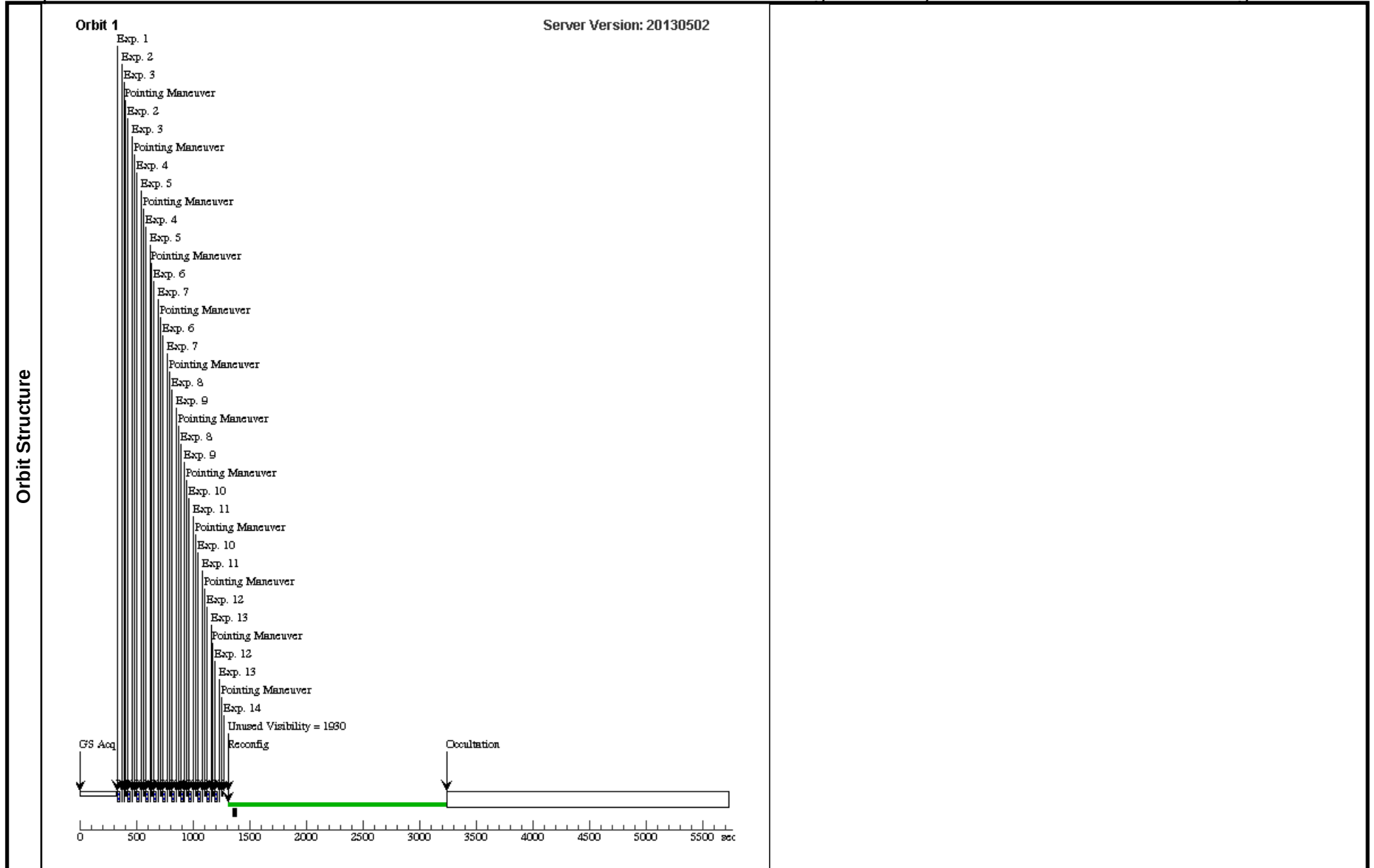


Proposal 13472 - Visit 16 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 16, implementation Fri Jul 12 17:26:05 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(16)	V-RR-LEO	RA: 10 07 43.4601 (151.9310838d) Dec: +23 59 30.33 (23.99176d) Equinox: J2000		V=10.7
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 16 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 16 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(16) V-RR-LEO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

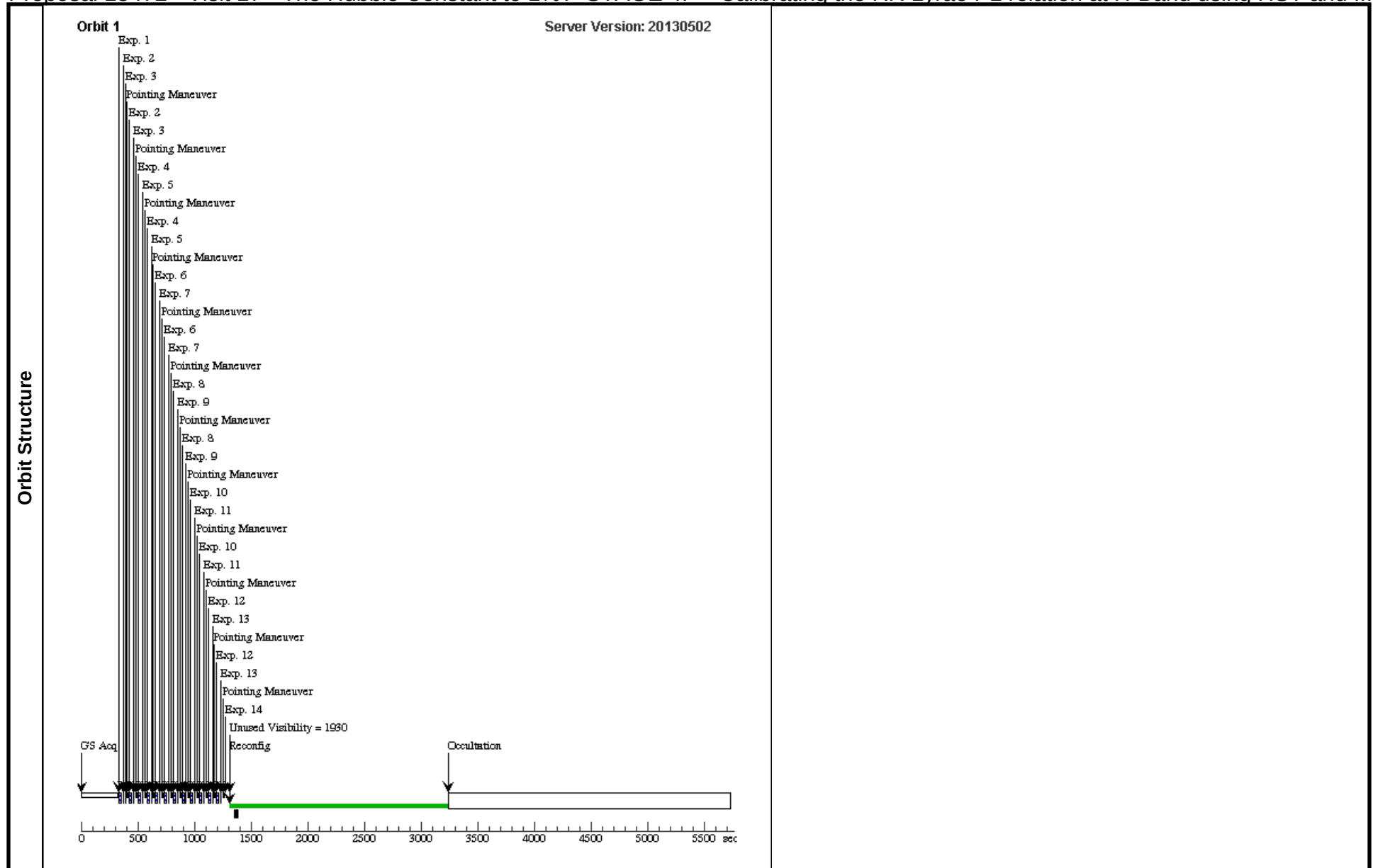


Proposal 13472 - Visit 17 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 17, implementation Fri Jul 12 17:26:06 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(17)	V-RU-PSC	RA: 01 14 26.0379 (18.6084912d) Dec: +24 24 56.37 (24.41566d) Equinox: J2000		V=10.15
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 17 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 17 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(17) V-RU-PSC	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

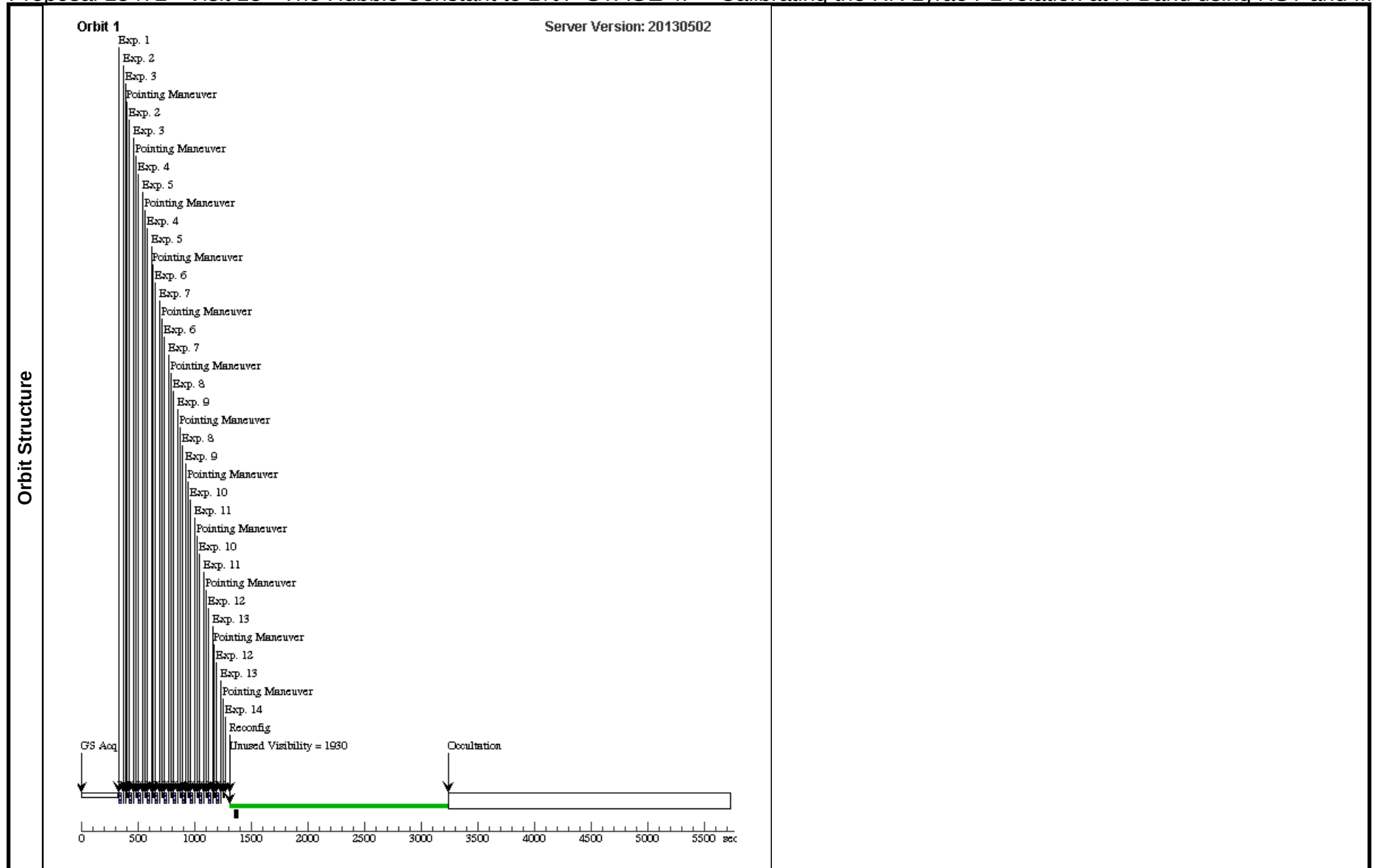


Proposal 13472 - Visit 18 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 18, implementation Fri Jul 12 17:26:07 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(18)	V-RU-SCL	RA: 00 02 48.1096 (.7004567d) Dec: -24 56 43.07 (-24.94530d) Equinox: J2000		V=9.46
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 18 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 18 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(18) V-RU-SCL	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

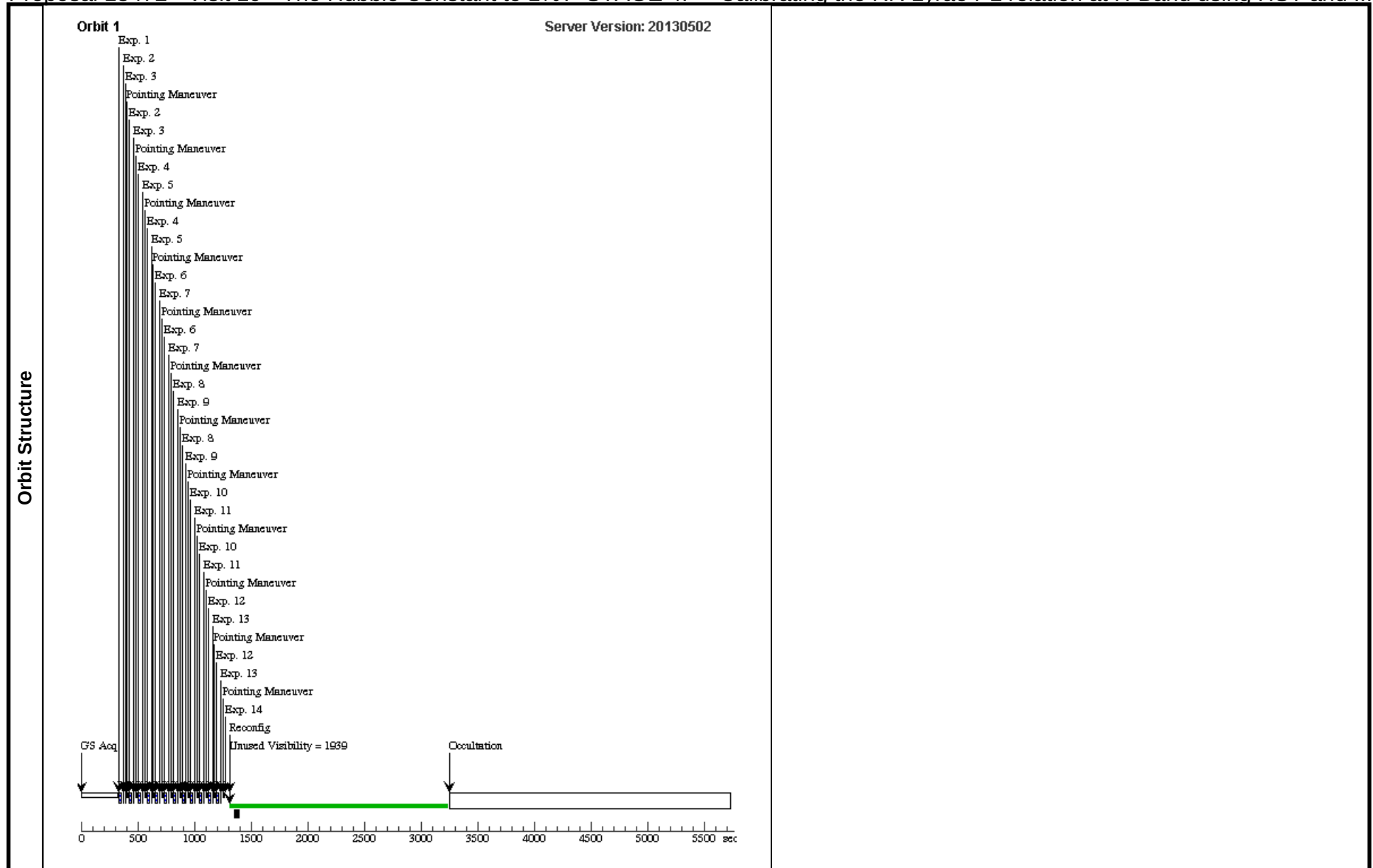


Proposal 13472 - Visit 19 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 19, implementation Fri Jul 12 17:26:08 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(19)	V-RV-CRB	RA: 16 19 25.8514 (244.8577142d) Dec: +29 42 47.64 (29.71323d) Equinox: J2000		V=11.53
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 19 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 19 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(19) V-RV-CRB	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

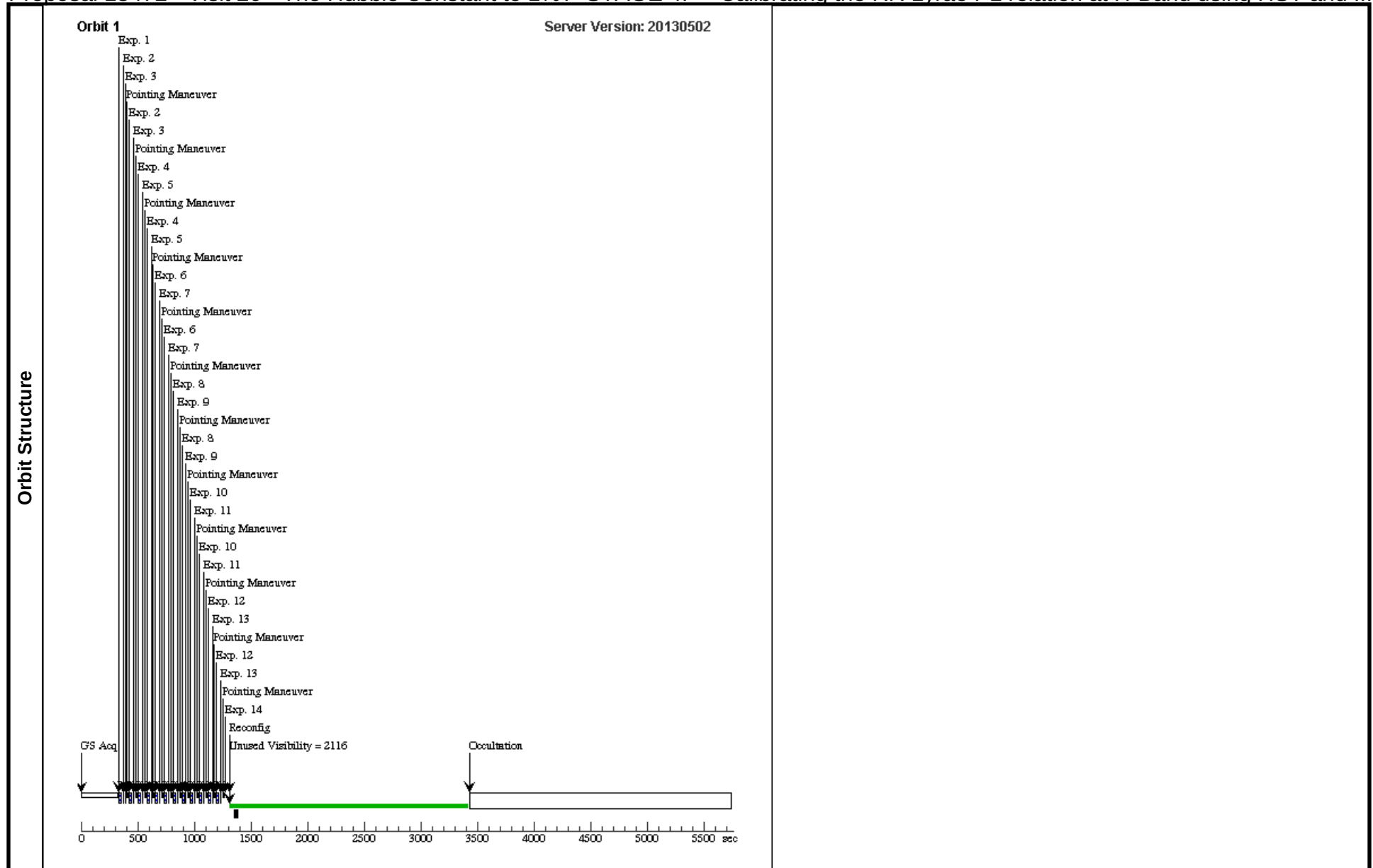


Proposal 13472 - Visit 20 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 20, implementation Fri Jul 12 17:26:09 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(20)	V-RV-UMA	RA: 13 33 18.0844 (203.3253517d) Dec: +53 59 14.61 (53.98739d) Equinox: J2000		V=10.9
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 20 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)	[==>]	[1]
	2		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 20 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(20) V-RV-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)	[==>]	[1]

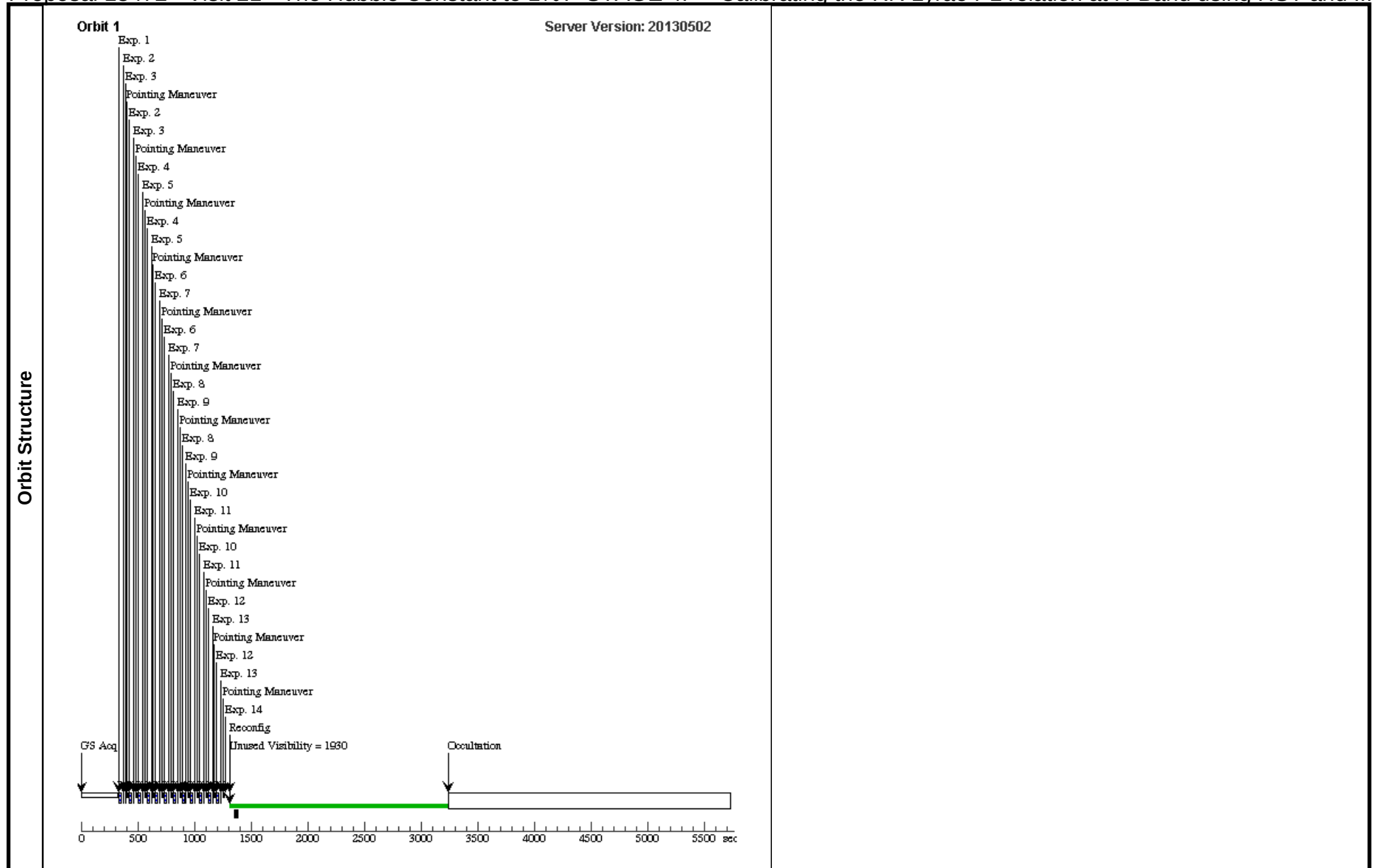


Proposal 13472 - Visit 21 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 21, implementation Fri Jul 12 17:26:10 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(21)	V-RX-ERI	RA: 04 49 44.2914 (72.4345475d) Dec: -15 44 28.25 (-15.74118d) Equinox: J2000		V=9.69
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 21 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 21 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(21) V-RX-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

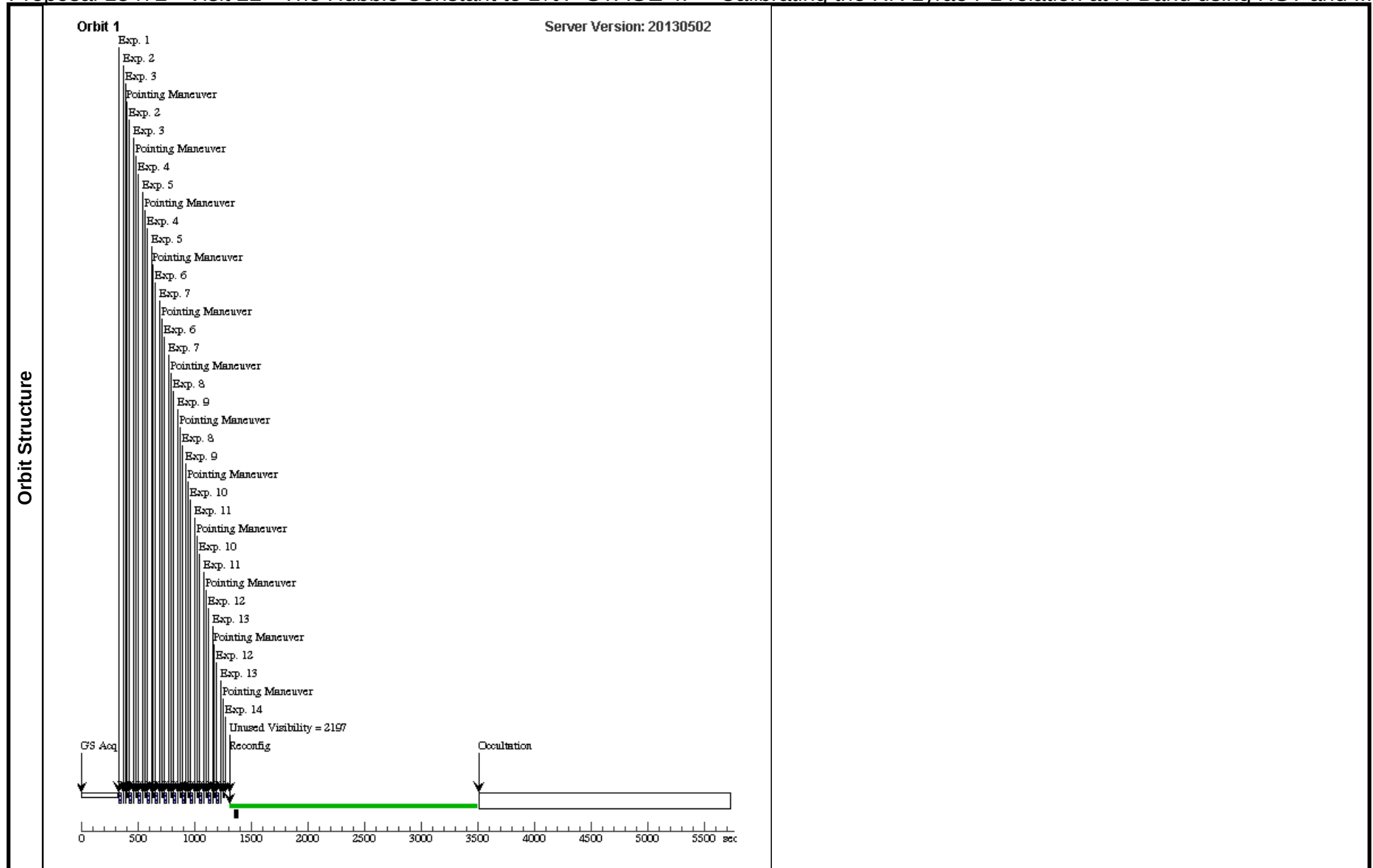


Proposal 13472 - Visit 22 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 22, implementation Fri Jul 12 17:26:11 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(22)	V-RZ-CEP	RA: 22 39 13.1777 (339.8049071d) Dec: +64 51 30.60 (64.85850d) Equinox: J2000		V=9.19
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 22 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 22 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(22) V-RZ-CEP	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

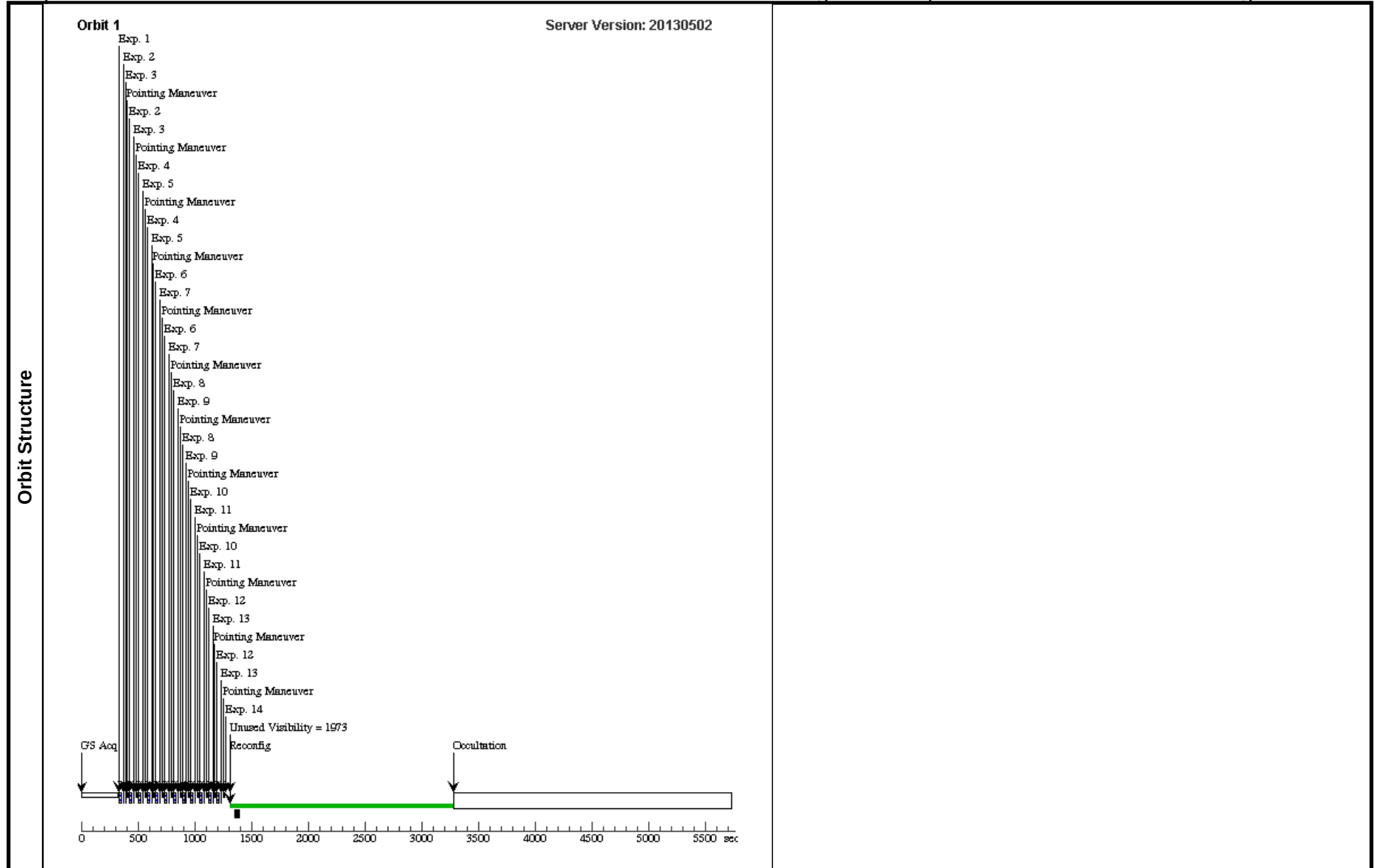


Proposal 13472 - Visit 23 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 23, implementation Fri Jul 12 17:26:12 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(23)	V-ST-BOO	RA: 15 30 39.2309 (232.6634621d) Dec: +35 47 4.31 (35.78453d) Equinox: J2000		V=11.13
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 23 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 23 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(23) V-ST-BOO	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

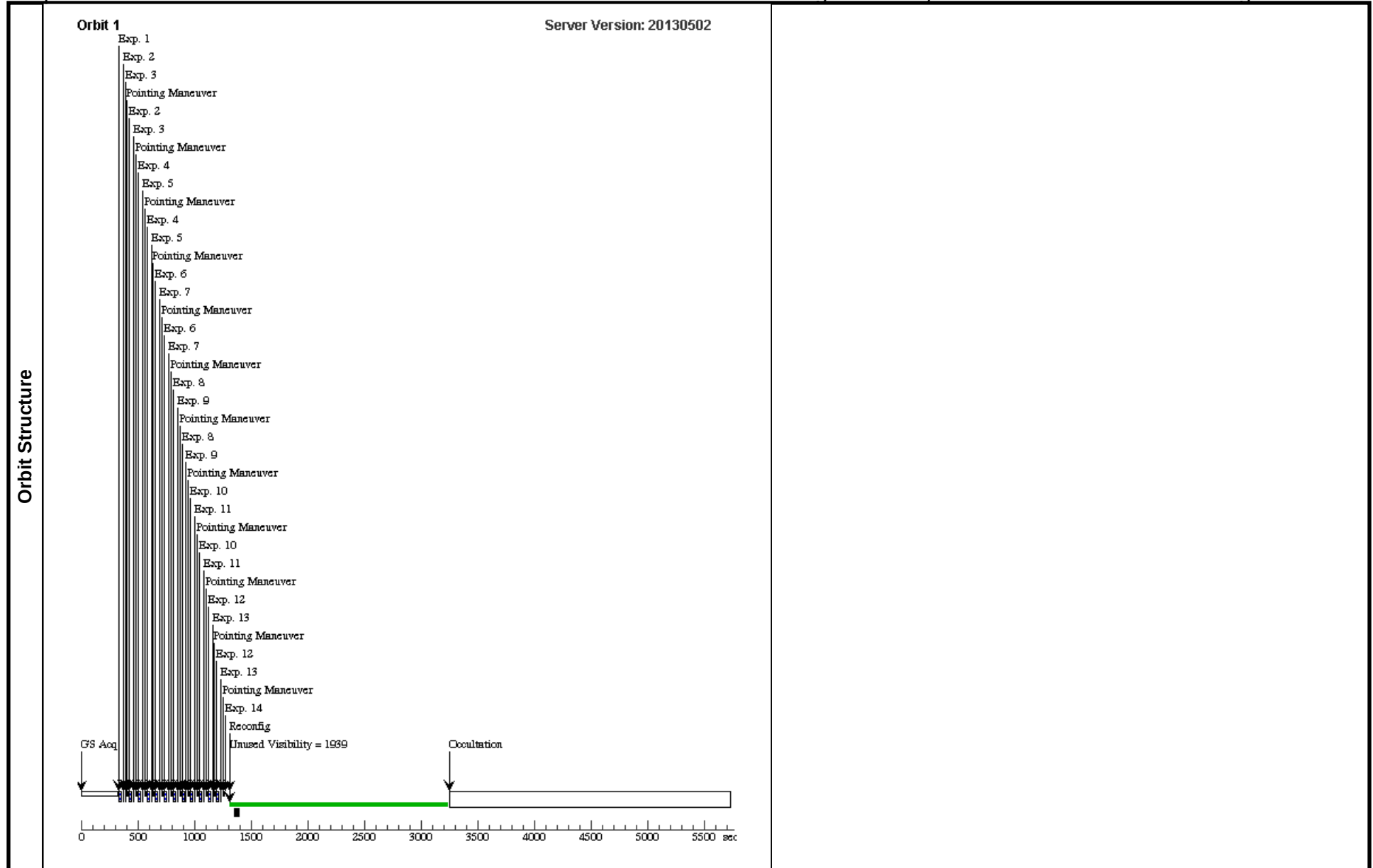


Proposal 13472 - Visit 24 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 24, implementation Fri Jul 12 17:26:13 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(24)	V-ST-CVN	RA: 13 57 34.0609 (209.3919204d) Dec: +29 51 28.69 (29.85797d) Equinox: J2000		V=11.21
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 24 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 24 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(24) V-ST-CVN	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

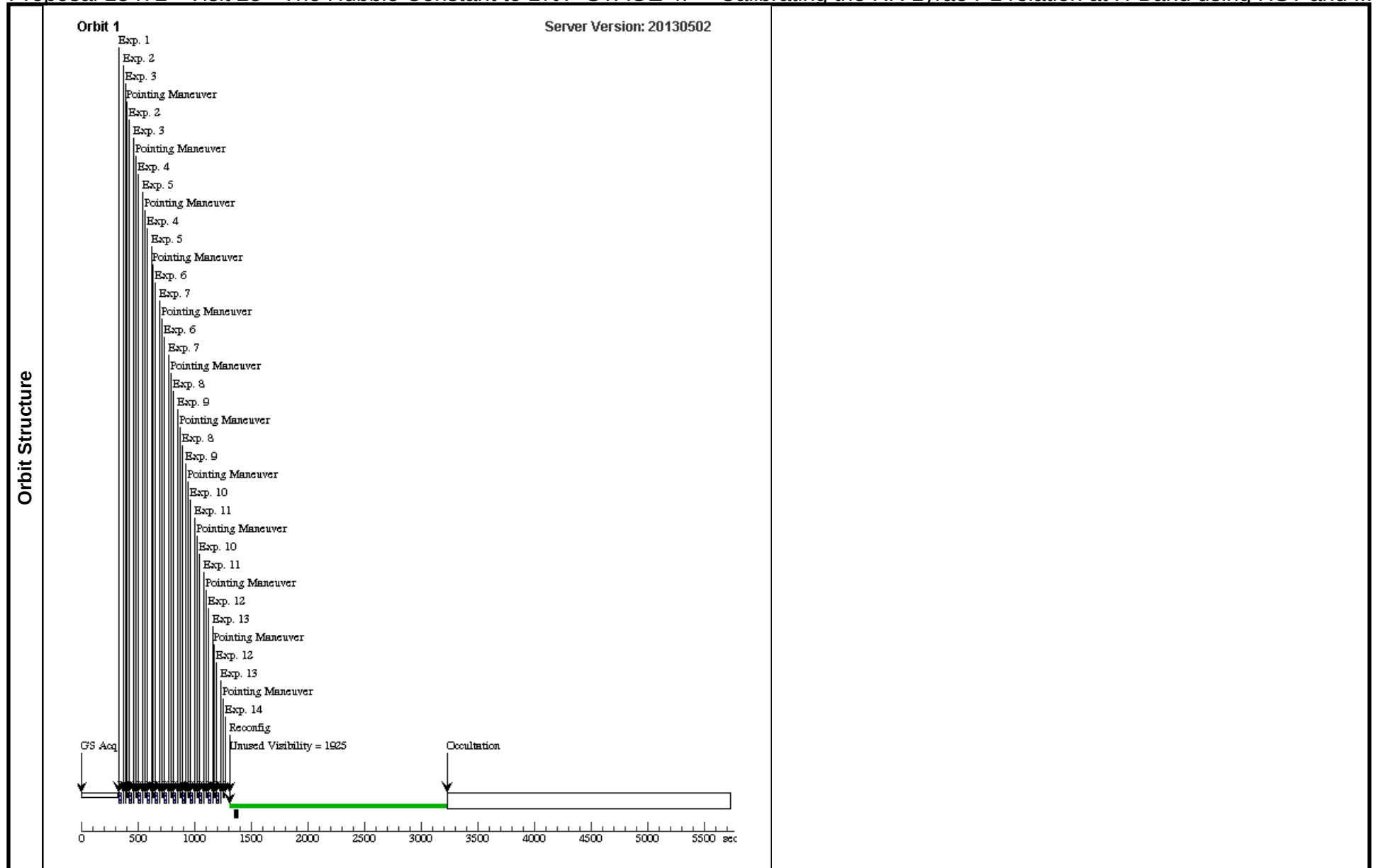


Proposal 13472 - Visit 25 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 25, implementation Fri Jul 12 17:26:14 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(25)	V-SV-ERI	RA: 03 11 52.1066 (47.9671108d) Dec: -11 21 14.07 (-11.35391d) Equinox: J2000		V=9.96
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					

Proposal 13472 - Visit 25 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 25 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(25) V-SV-ERI	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

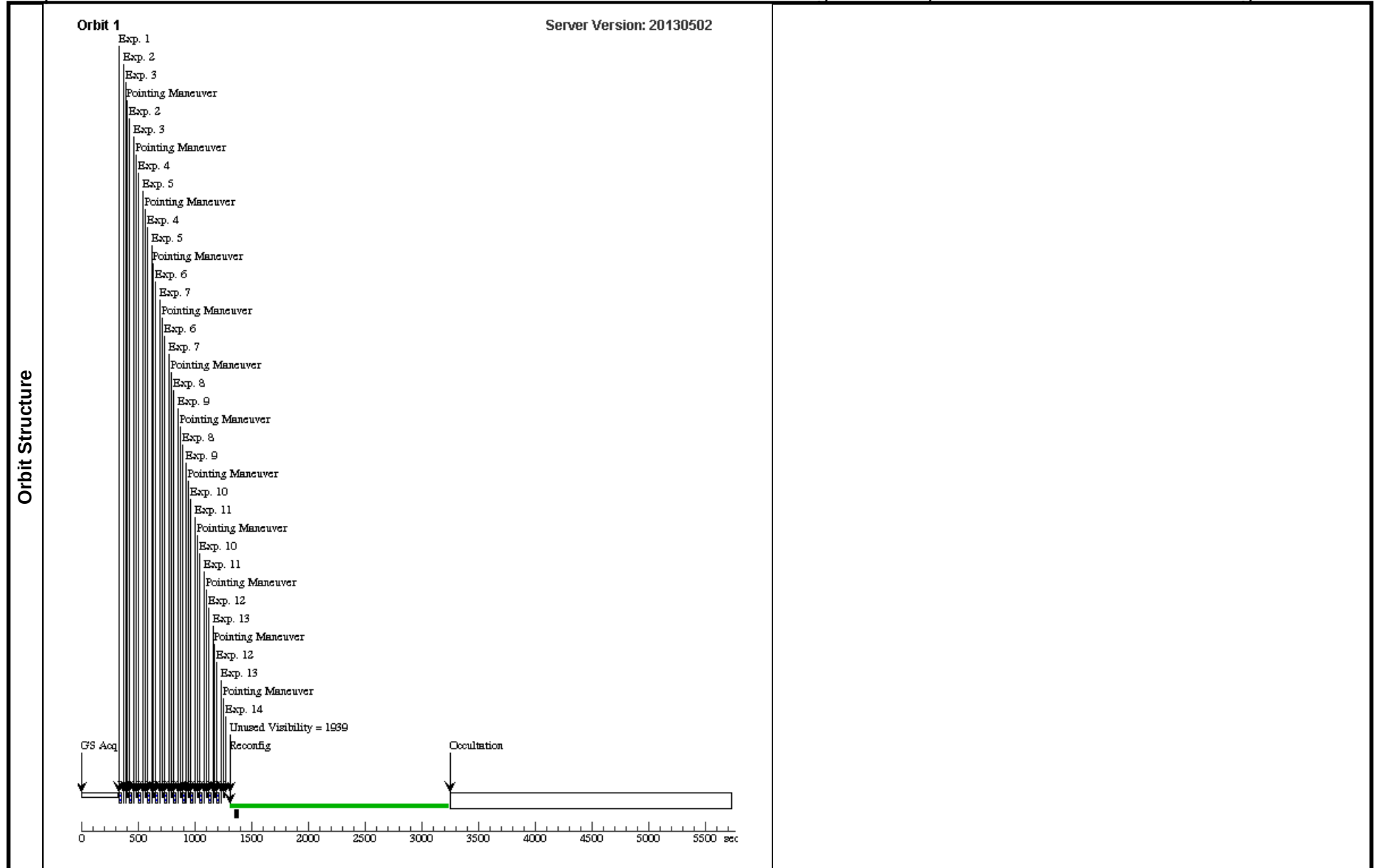


Proposal 13472 - Visit 26 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 26, implementation Fri Jul 12 17:26:15 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(26)	V-SV-HYA	RA: 12 30 30.5036 (187.6270983d) Dec: -26 02 51.12 (-26.04753d) Equinox: J2000		V=10.7
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 26 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 26 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(26) V-SV-HYA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

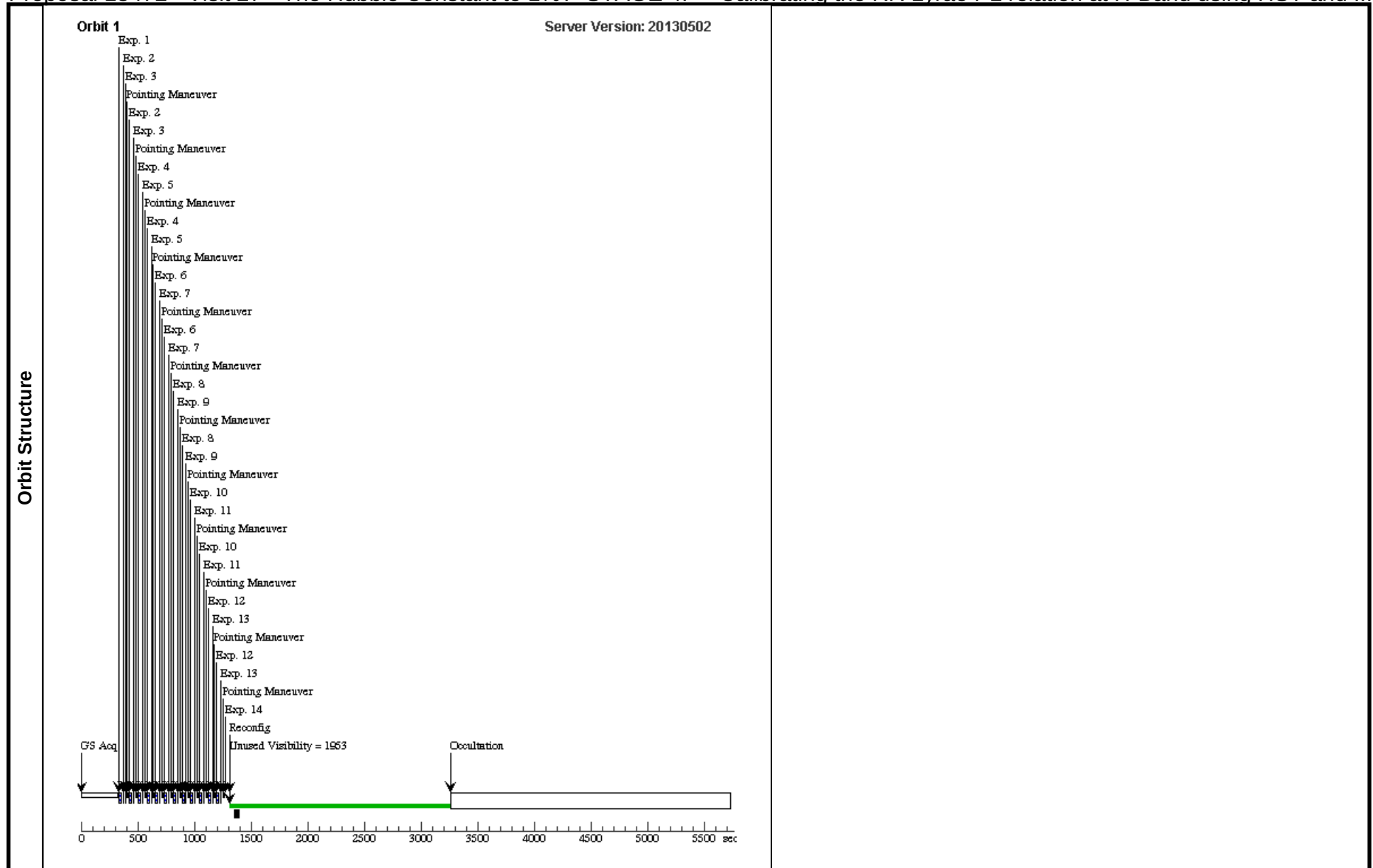


Proposal 13472 - Visit 27 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 27, implementation Fri Jul 12 17:26:16 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(27)	V-SV-SCL	RA: 01 44 59.6625 (26.2485938d) Dec: -30 03 33.39 (-30.05928d) Equinox: J2000		V=11.6
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 27 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 27 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(27) V-SV-SCL	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

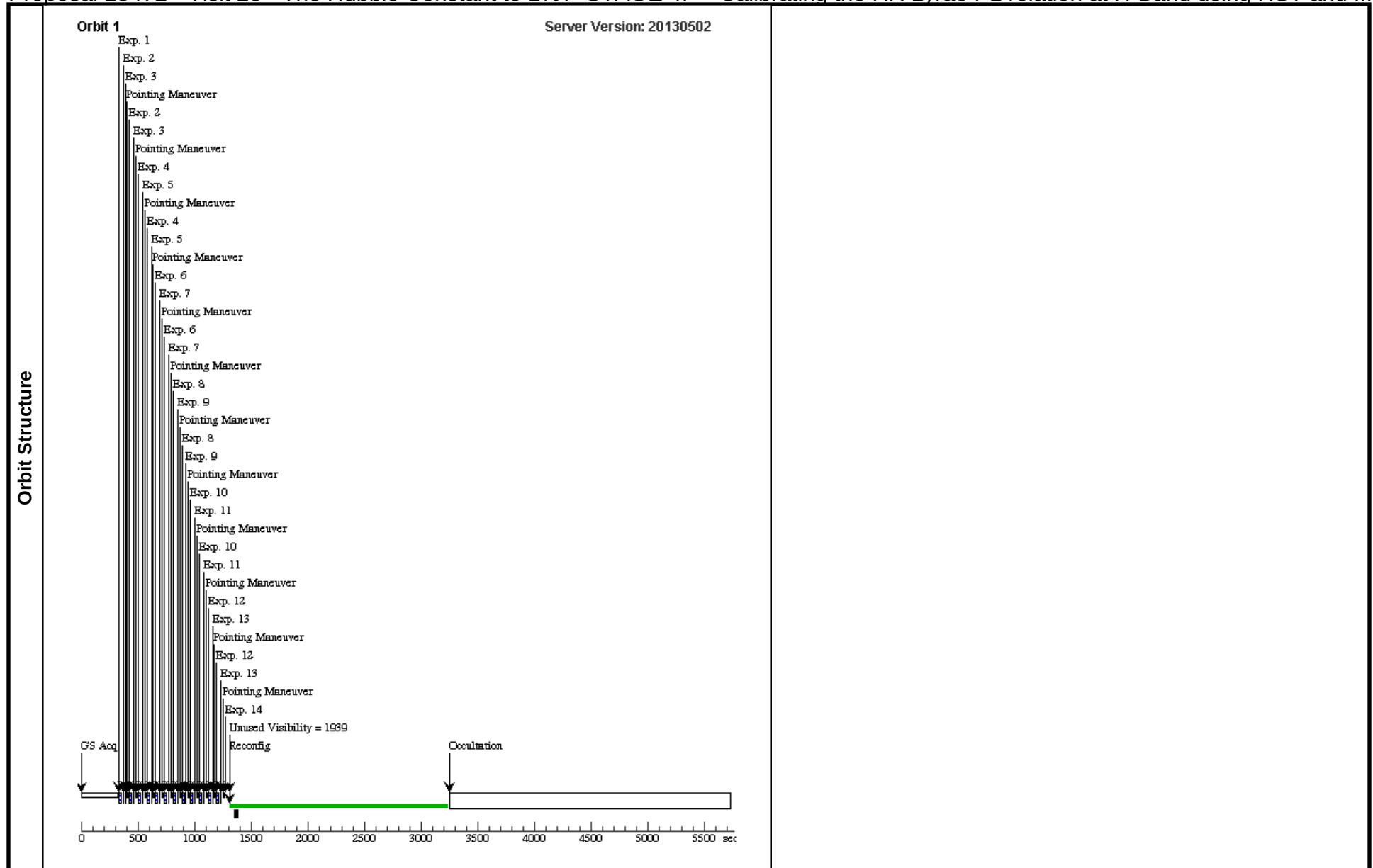


Proposal 13472 - Visit 28 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 28, implementation Fri Jul 12 17:26:17 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(28)	V-SW-AND	RA: 00 23 43.0894 (5.9295392d) Dec: +29 24 3.64 (29.40101d) Equinox: J2000		V=9.71
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 28 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)	[==>]	[1]
	2		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 28 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(28) V-SW-AND	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)	[==>]	[1]

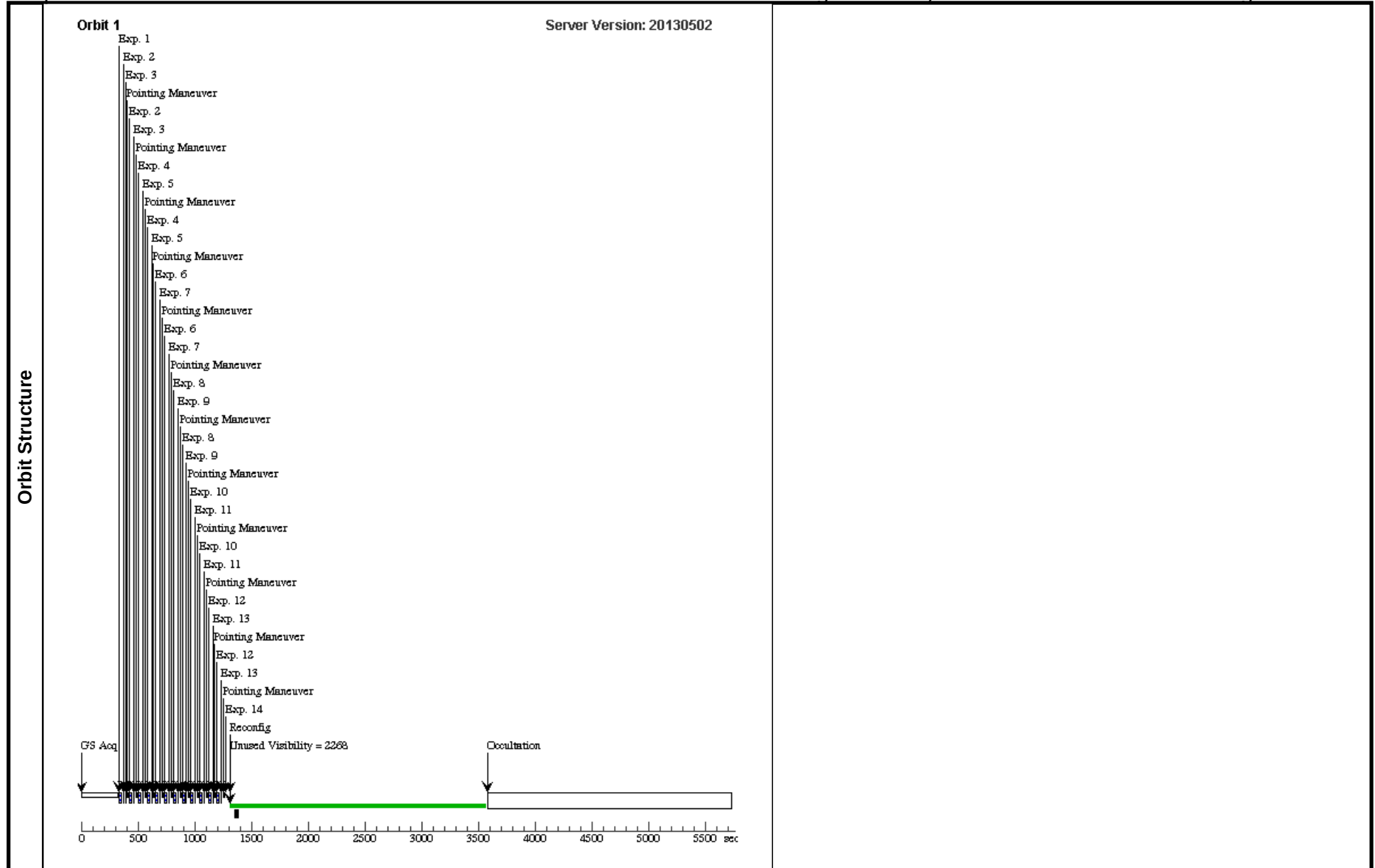


Proposal 13472 - Visit 29 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 29, implementation Fri Jul 12 17:26:18 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(29)	V-SW-DRA	RA: 12 17 46.6315 (184.4442979d) Dec: +69 30 38.22 (69.51062d) Equinox: J2000		V=10.55
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 29 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 29 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(29) V-SW-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

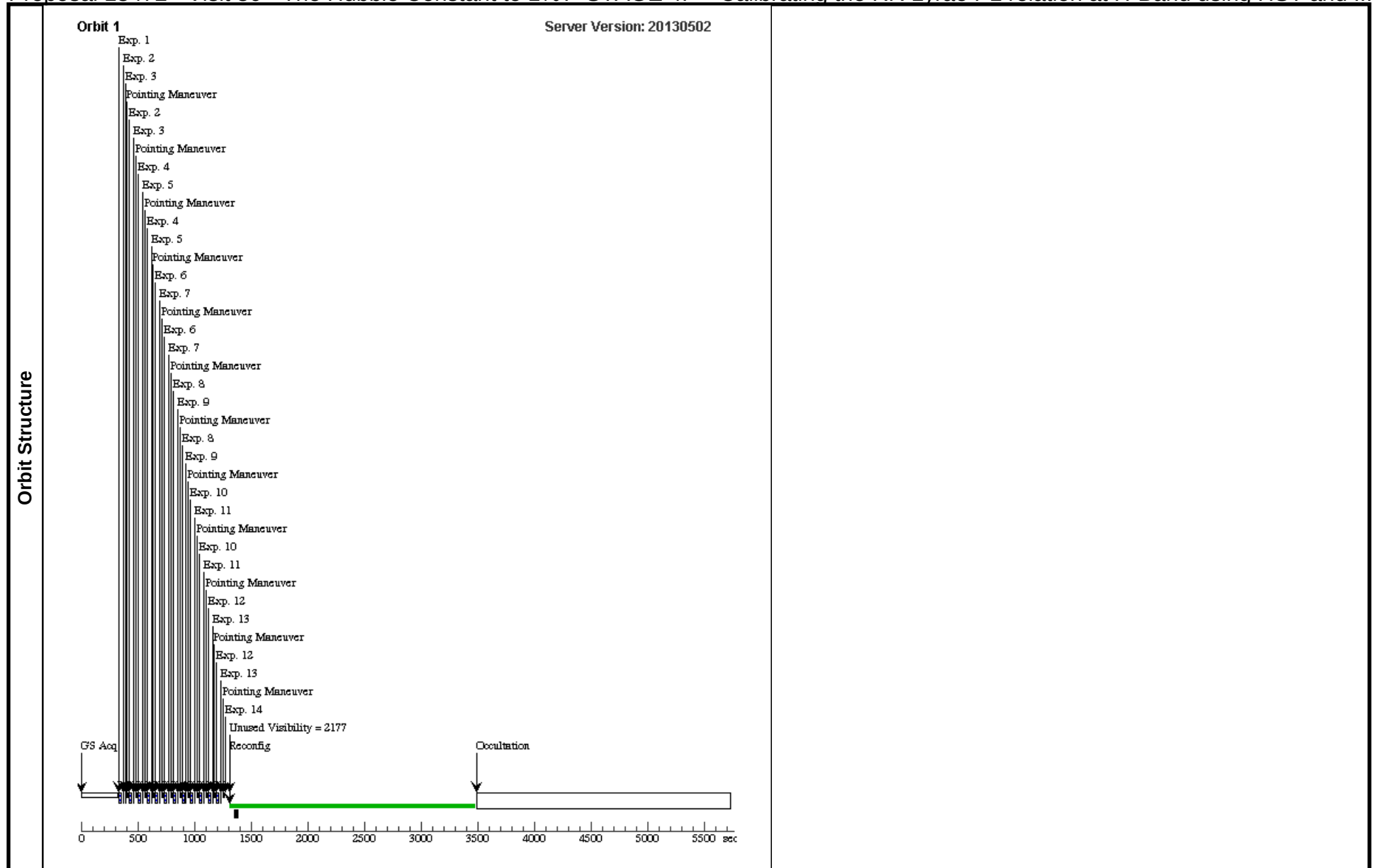


Proposal 13472 - Visit 30 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 30, implementation Fri Jul 12 17:26:19 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(30)	V-SX-UMA	RA: 13 26 13.4603 (201.5560846d) Dec: +56 15 25.06 (56.25696d) Equinox: J2000		V=10.77
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 30 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)	[==>]	[1]
	2		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 30 (1)	0.060774 Secs (0.122 Secs)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(30) V-SX-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)	[==>]	[1]

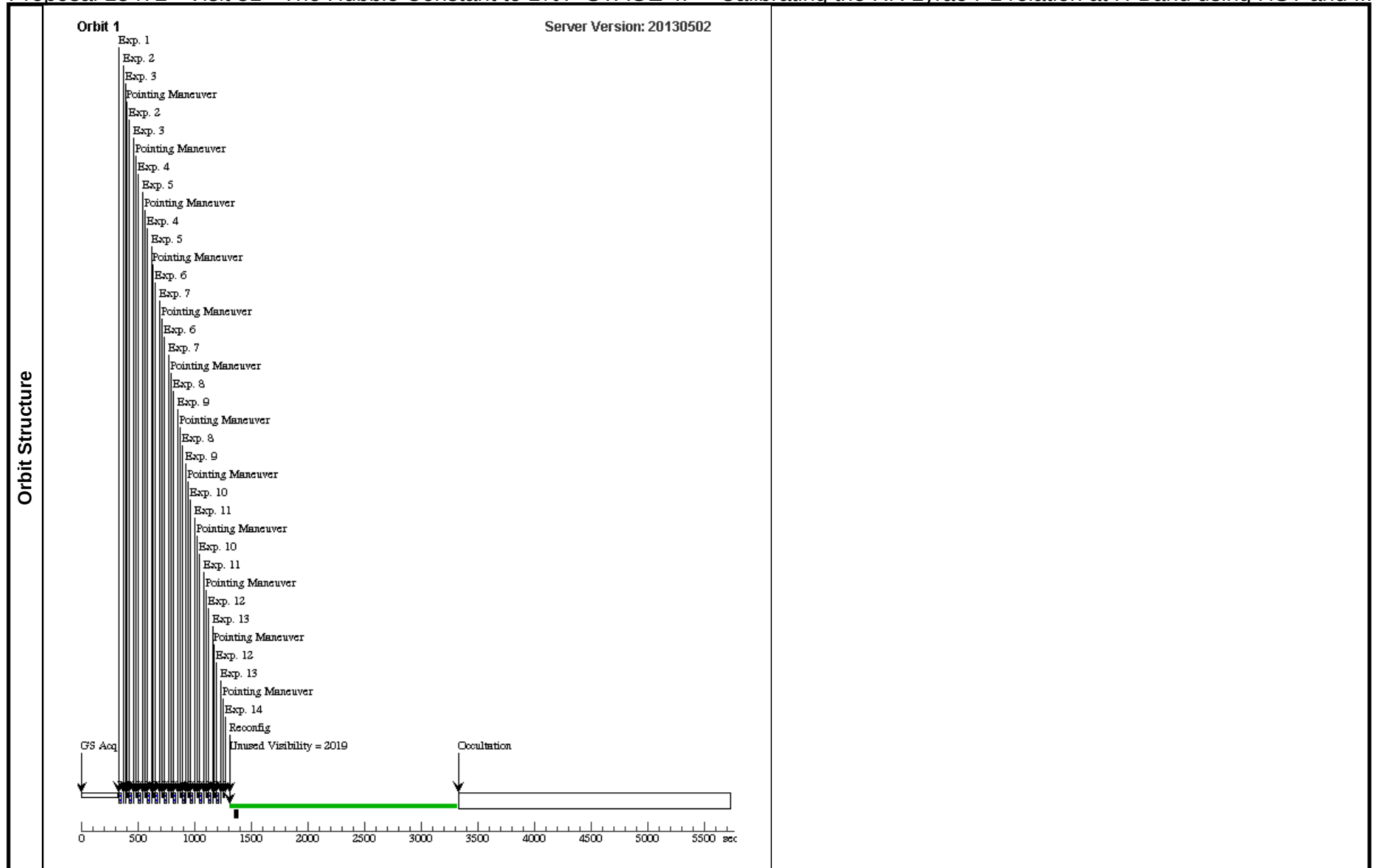


Proposal 13472 - Visit 31 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 31, implementation Fri Jul 12 17:26:20 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(31)	V-TT-LYN	RA: 09 03 7.7886 (135.7824525d) Dec: +44 35 8.12 (44.58559d) Equinox: J2000		V=9.91
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 31 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 31 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(31) V-TT-LYN	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

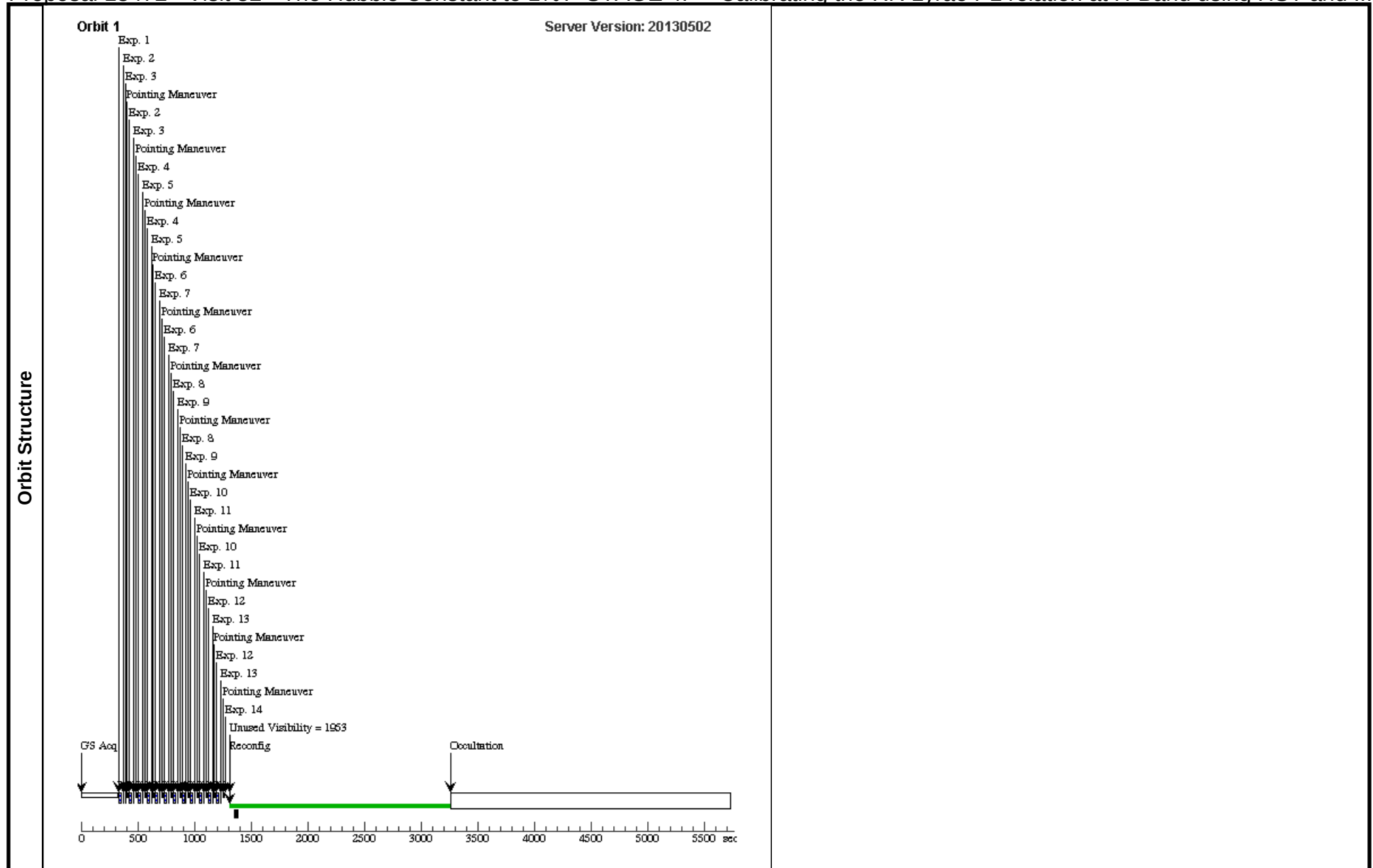


Proposal 13472 - Visit 32 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 32, implementation Fri Jul 12 17:26:21 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(32)	V-TU-UMA	RA: 11 29 48.4905 (172.4520437d) Dec: +30 04 2.41 (30.06734d) Equinox: J2000		V=9.28
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 32 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 32 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(32) V-TU-UMA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

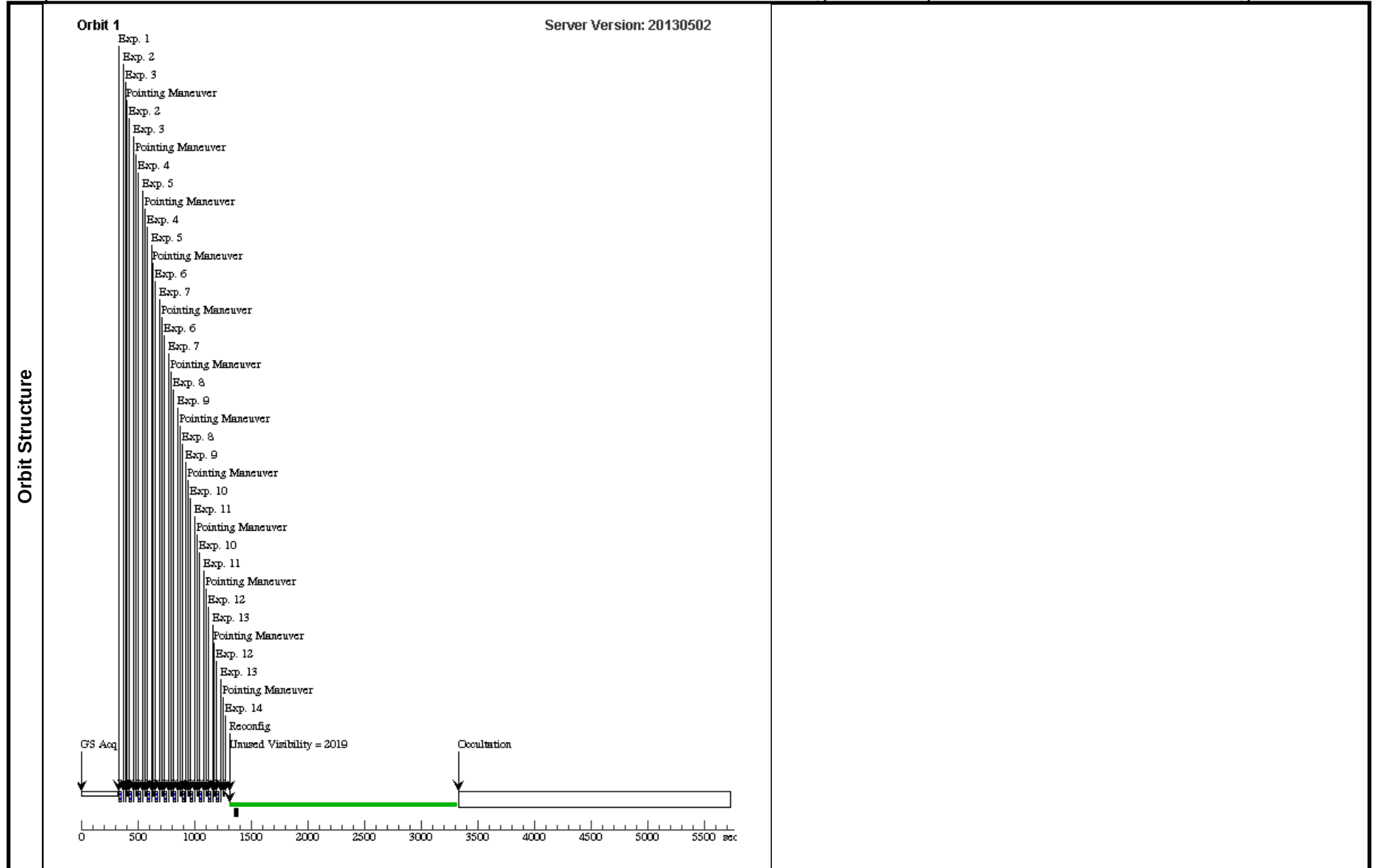


Proposal 13472 - Visit 33 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 33, implementation Fri Jul 12 17:26:21 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(33)	V-TV-BOO	RA: 14 16 36.5809 (214.1524204d) Dec: +42 21 35.69 (42.35991d) Equinox: J2000		V=10.93
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 33 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 33 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(33) V-TV-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

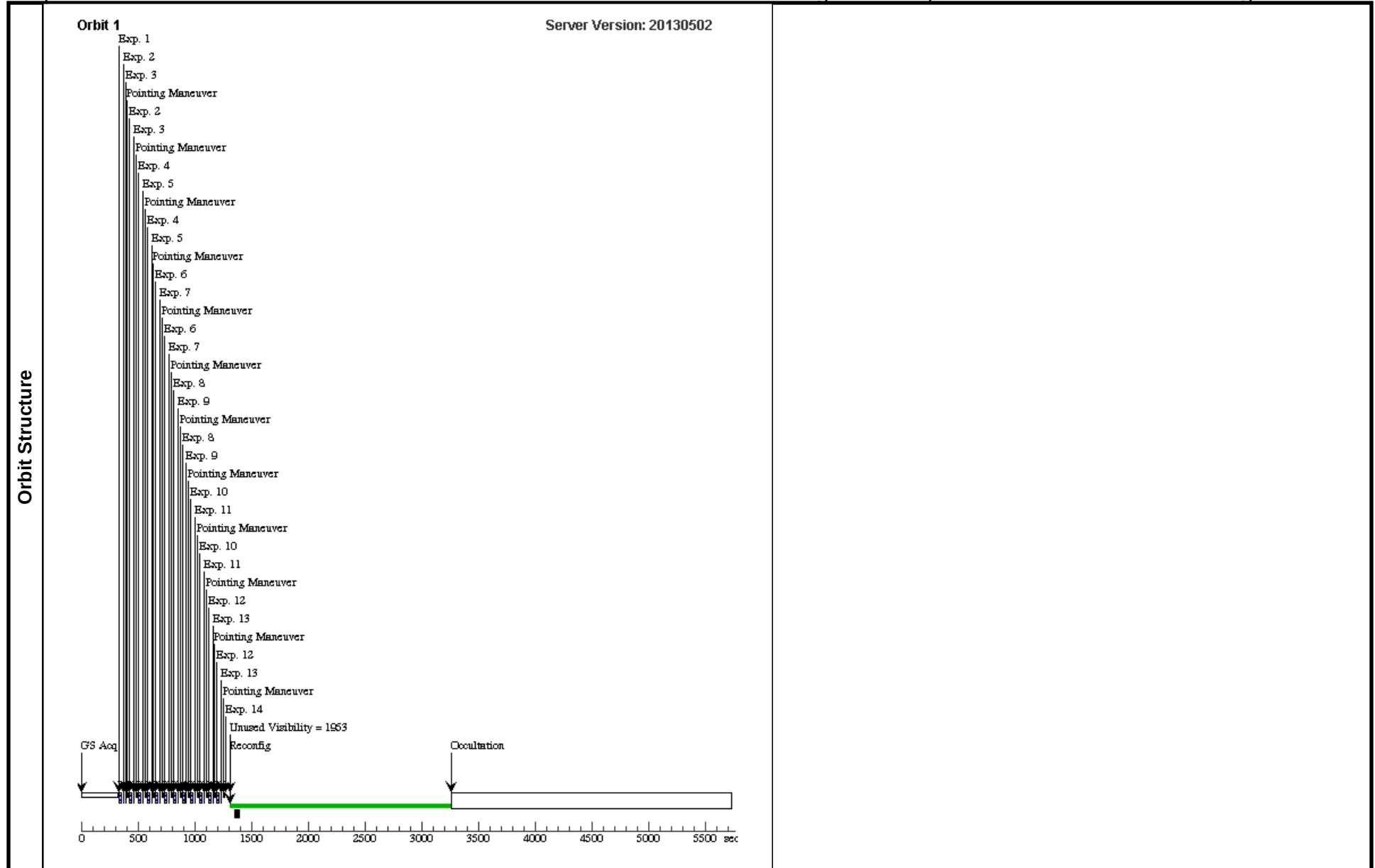


Proposal 13472 - Visit 34 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 34, implementation Fri Jul 12 17:26:22 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(34)	V-TW-HER	RA: 17 54 31.1996 (268.6299983d) Dec: +30 24 37.71 (30.41047d) Equinox: J2000		V=11.26
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 34 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 34 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(34) V-TW-HER	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

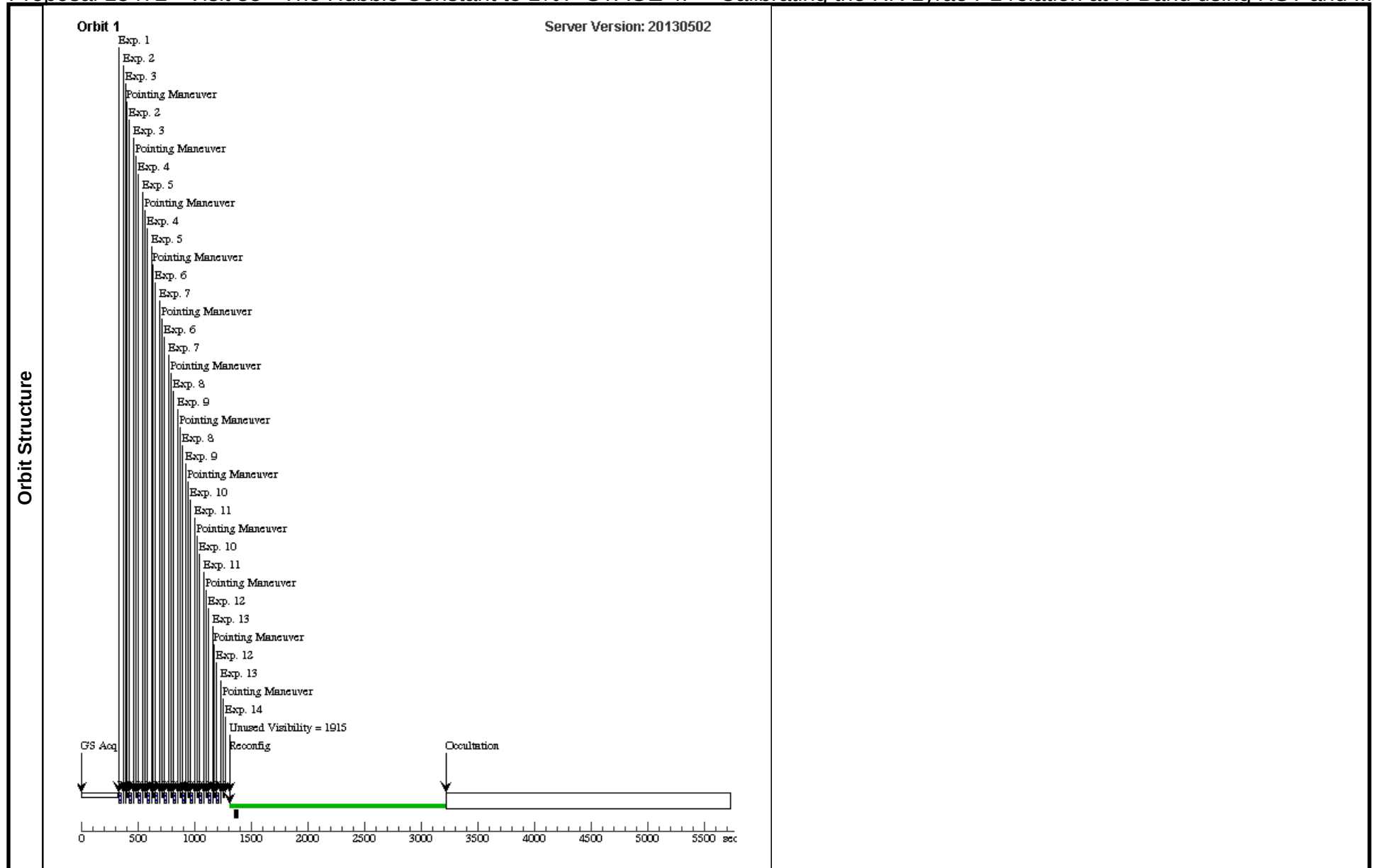


Proposal 13472 - Visit 35 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 35, implementation Fri Jul 12 17:26:23 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(35)	V-T-SEX	RA: 09 53 28.3993 (148.3683304d) Dec: +02 03 26.36 (2.05732d) Equinox: J2000		V=10.04
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 35 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 35 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(35) V-T-SEX	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

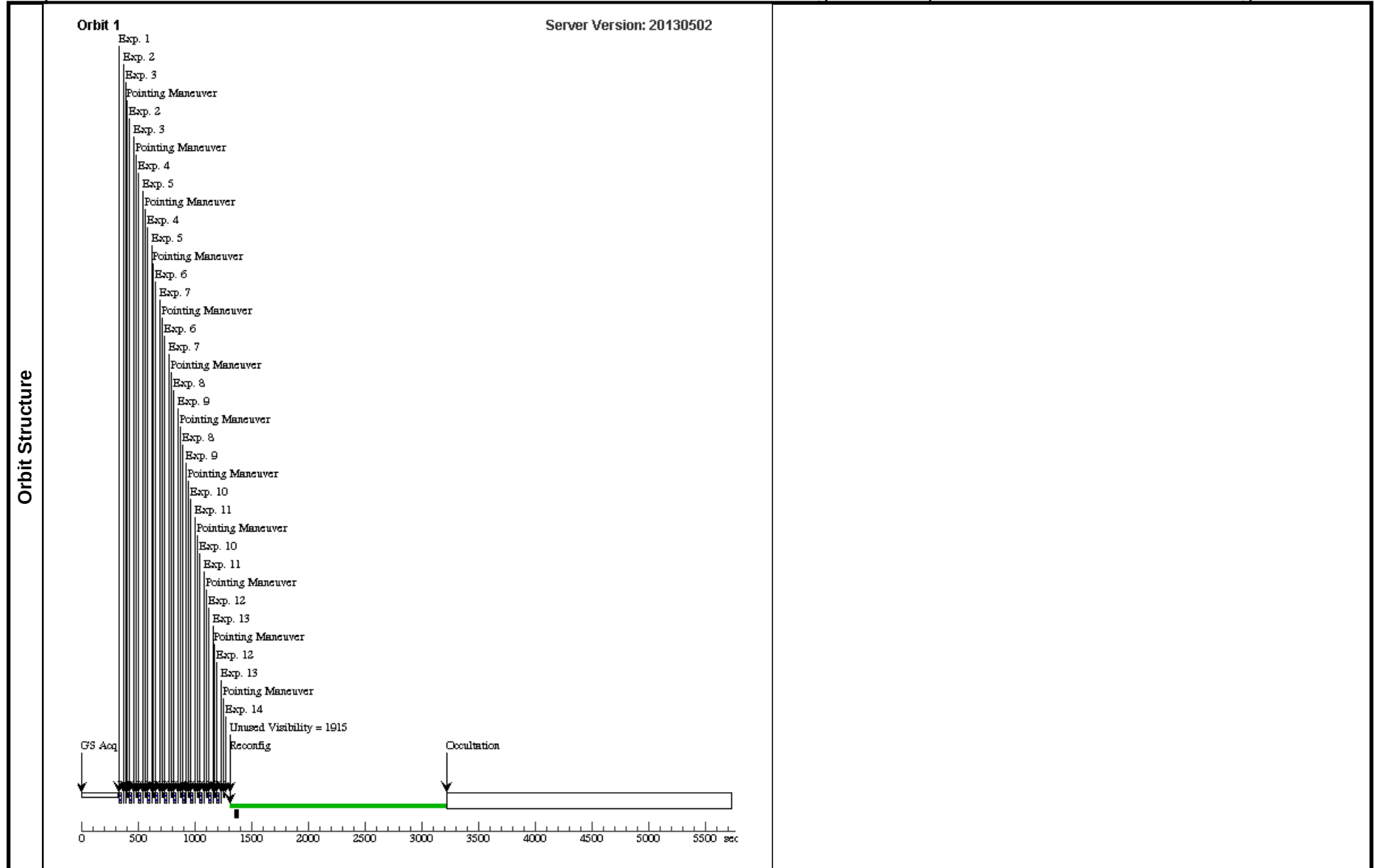


Proposal 13472 - Visit 36 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 36, implementation Fri Jul 12 17:26:24 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(36)	V-UU-VIR	RA: 12 08 35.0730 (182.1461375d) Dec: -00 27 24.30 (-.45675d) Equinox: J2000		V=10.38
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 36 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 36 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(36) V-UU-VIR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

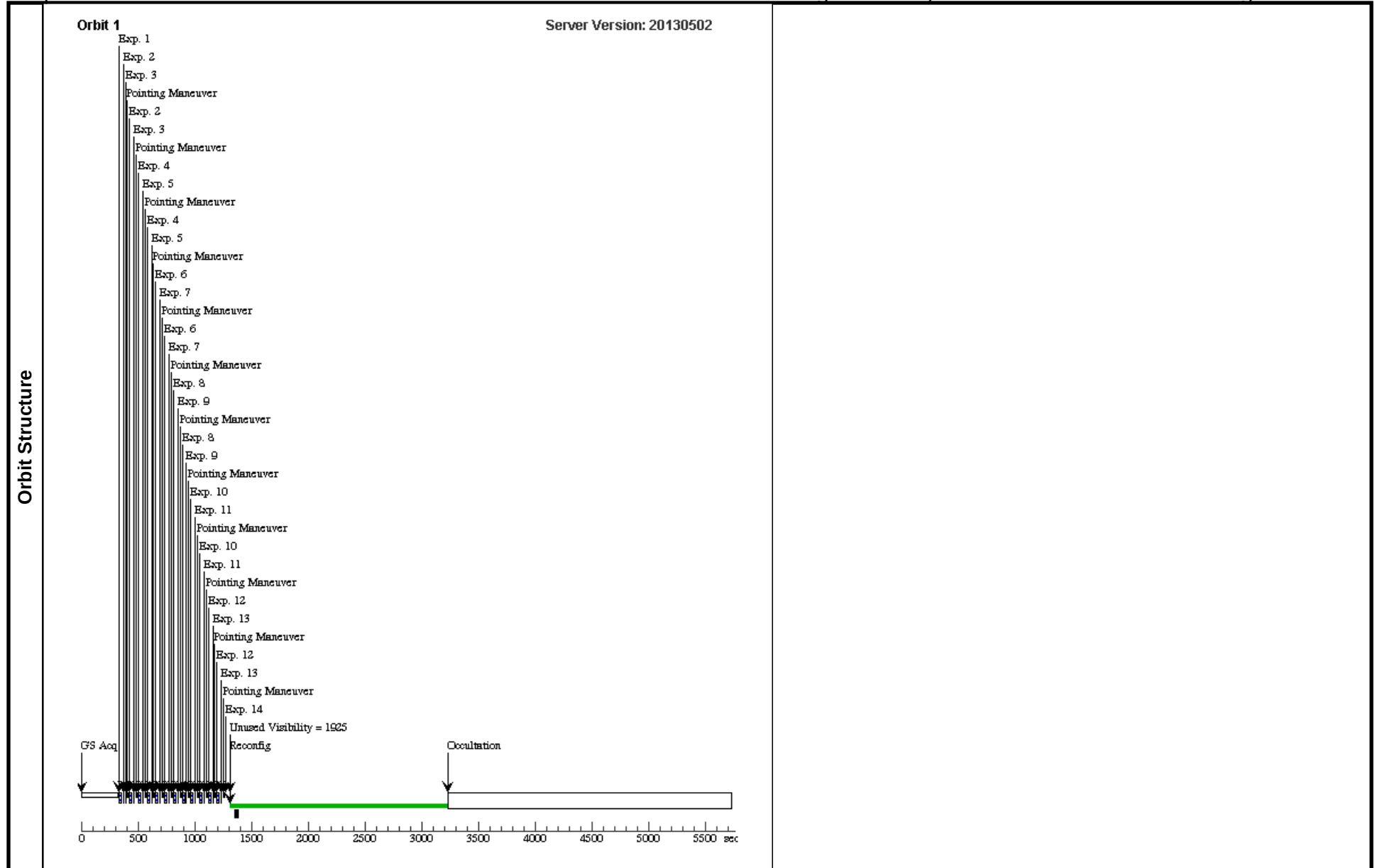


Proposal 13472 - Visit 37 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 37, implementation Fri Jul 12 17:26:25 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(37)	V-UY-BOO	RA: 13 58 46.3375 (209.6930729d) Dec: +12 57 6.46 (12.95179d) Equinox: J2000		V=10.81
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.				
	Reference Frame: SIMBAD				

Proposal 13472 - Visit 37 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 37 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(37) V-UY-BOO	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

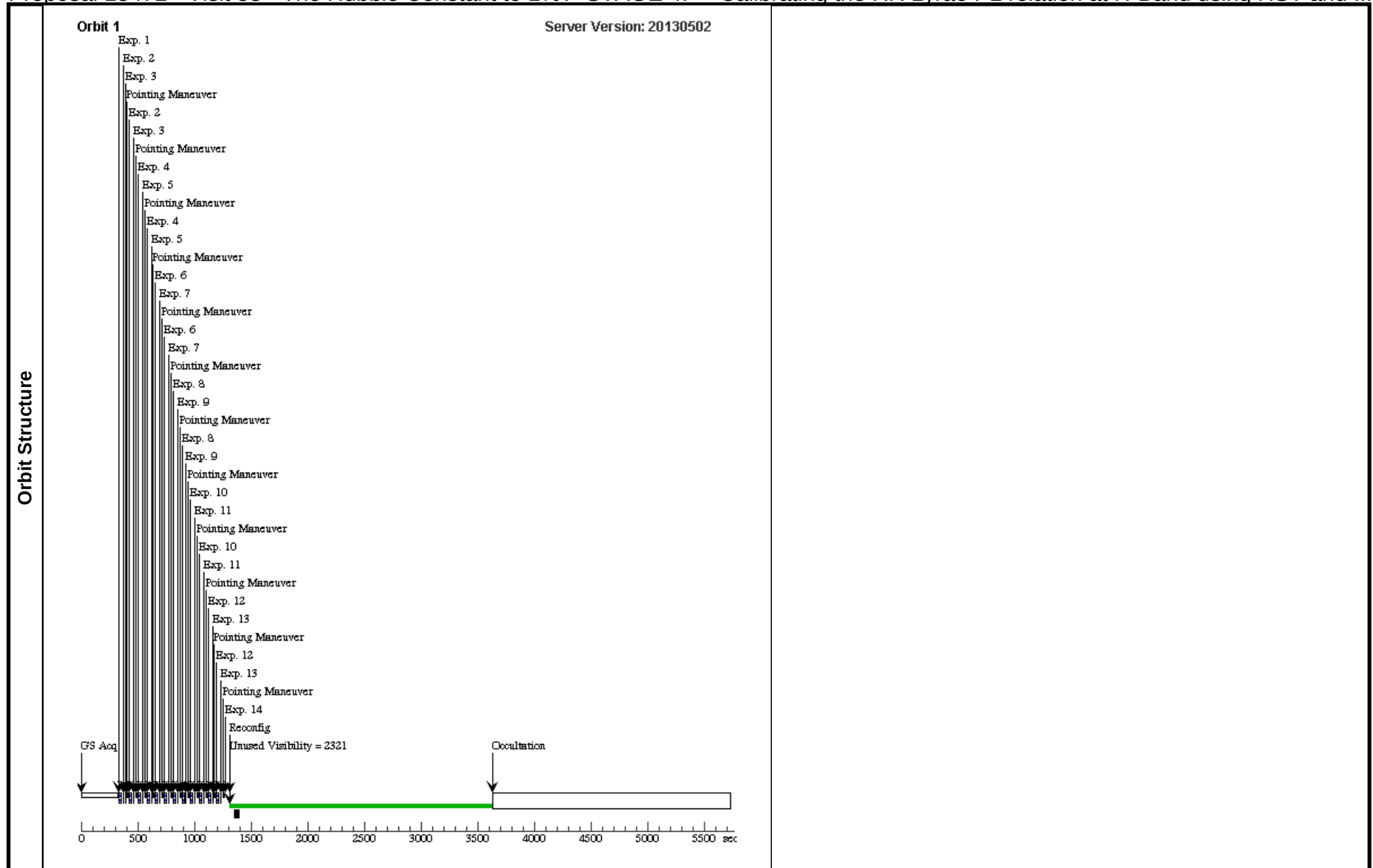


Proposal 13472 - Visit 38 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 38, implementation Fri Jul 12 17:26:26 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(38)	V-UY-CAM	RA: 07 58 58.8805 (119.7453354d) Dec: +72 47 15.42 (72.78762d) Equinox: J2000		V=11.736
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 38 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 38 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(38) V-UY-CAM	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

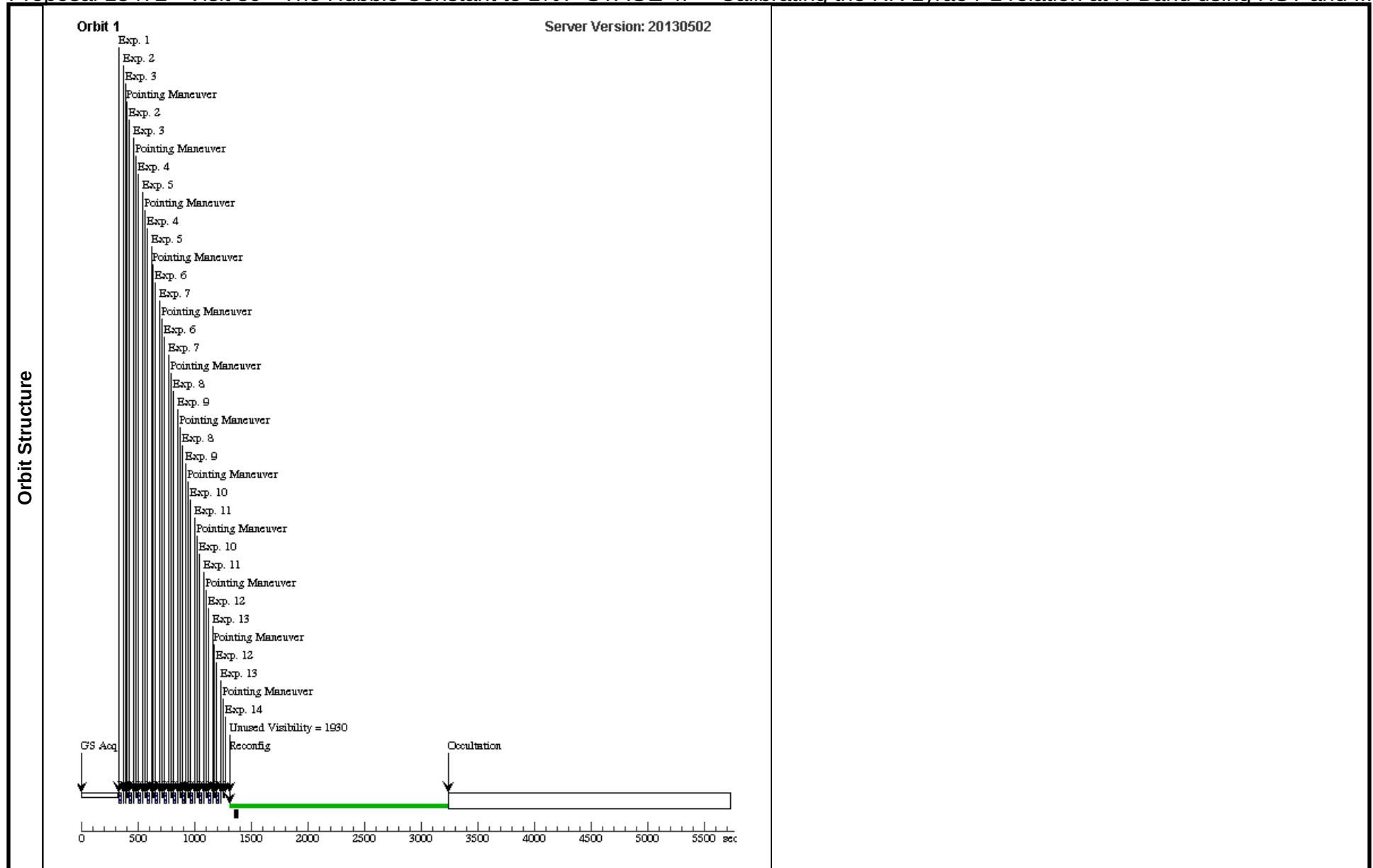


Proposal 13472 - Visit 39 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 39, implementation Fri Jul 12 17:26:27 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(39)	V-V440-SGR	RA: 19 32 20.7821 (293.0865921d) Dec: -23 51 12.76 (-23.85354d) Equinox: J2000		V=10.6
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 39 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 39 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(39) V-V440-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

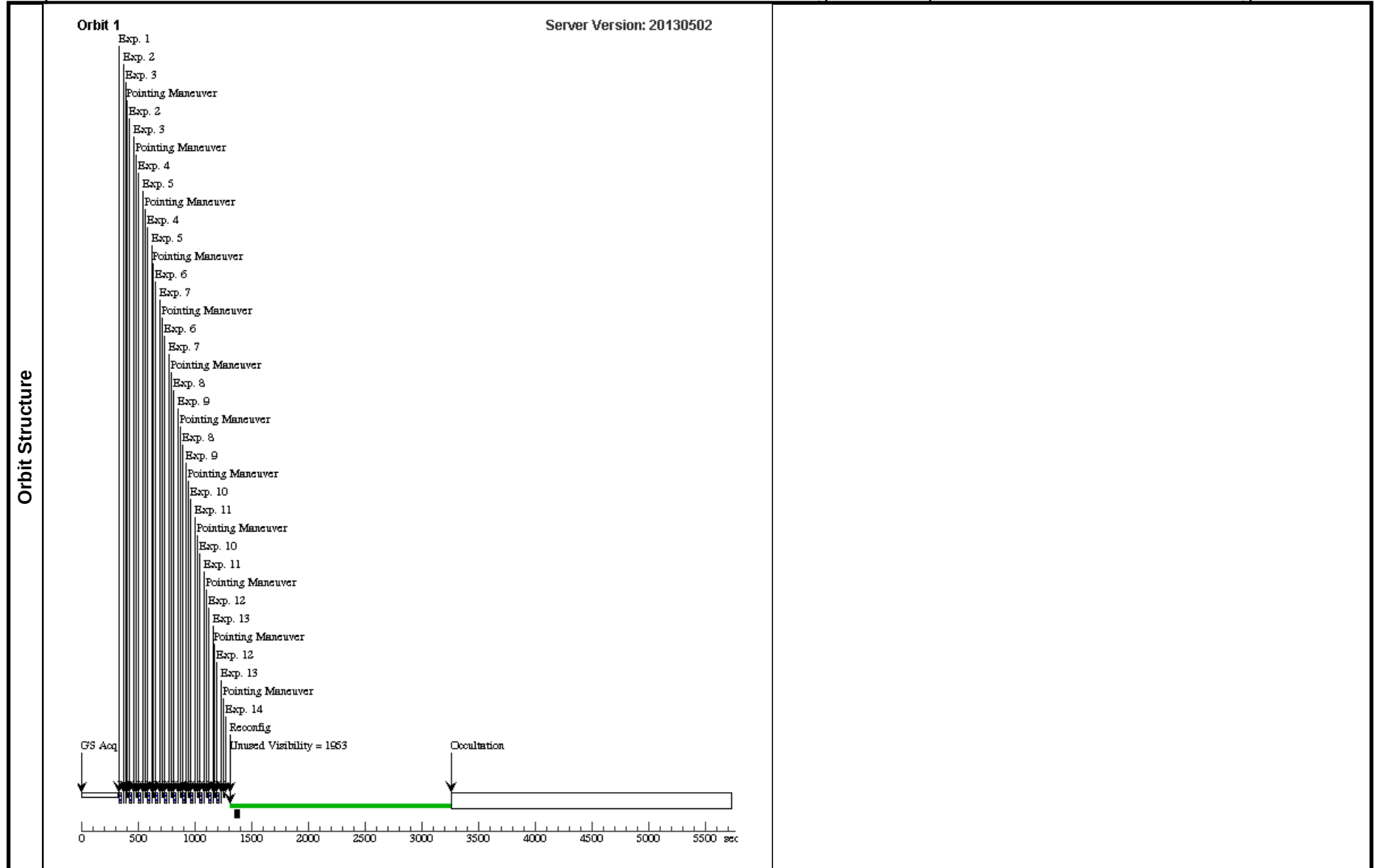


Proposal 13472 - Visit 40 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 40, implementation Fri Jul 12 17:26:28 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(40)	V-UY-CYG	RA: 20 56 28.3025 (314.1179271d) Dec: +30 25 40.31 (30.42786d) Equinox: J2000		V=11.1
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 40 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]
	2		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 40 (1)	0.112705 Secs (0.225 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(40) V-UY-CYG	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.112705 Secs (0.113 Secs) [==>]	[1]

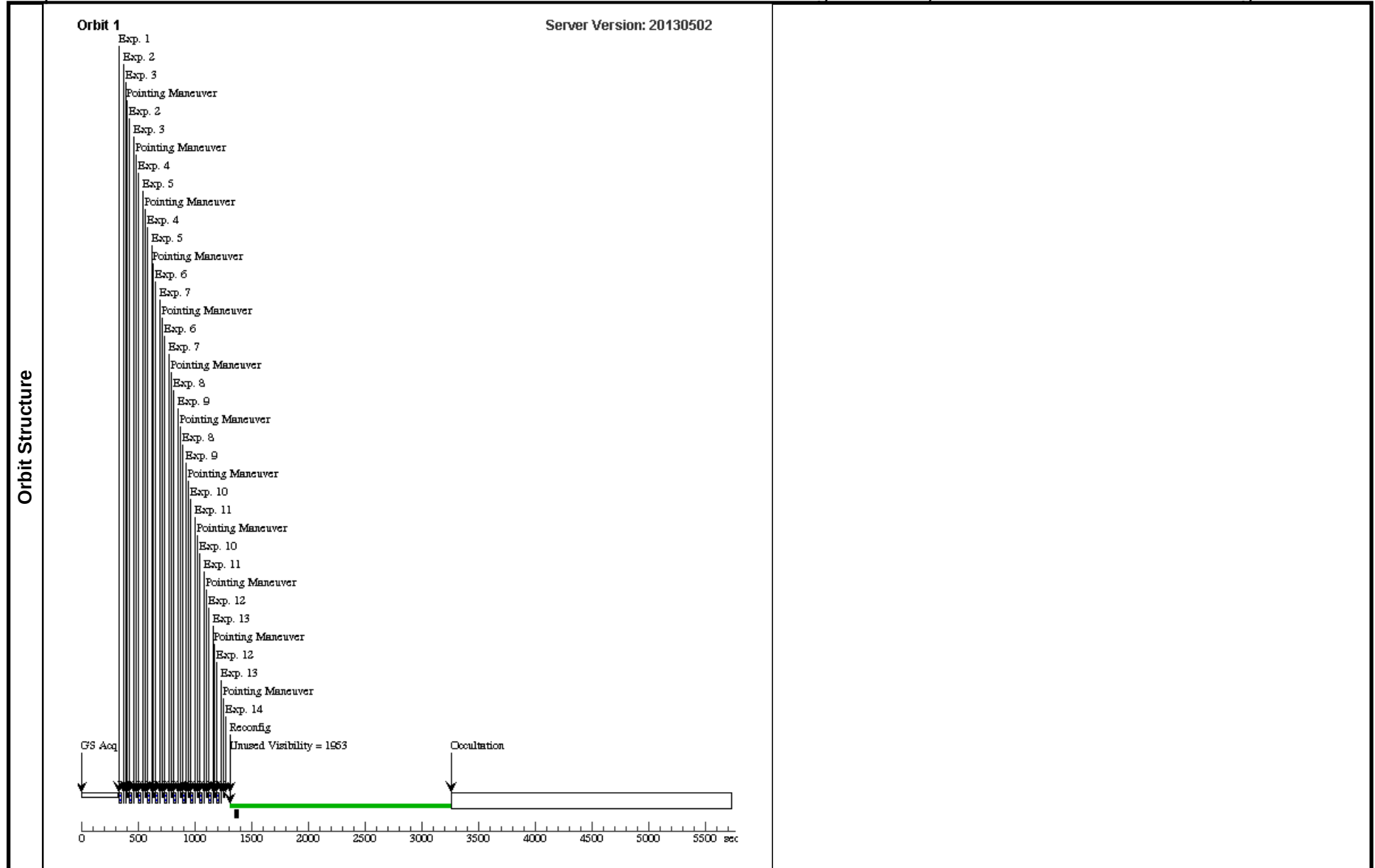


Proposal 13472 - Visit 41 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 41, implementation Fri Jul 12 17:26:29 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(41)	V-V675-SGR	RA: 18 13 35.4101 (273.3975421d) Dec: -34 19 1.84 (-34.31718d) Equinox: J2000		V=10.18
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 41 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]
	2		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	3		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	4		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	5		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	6		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	7		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	8		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	9		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	10		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	11		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	12		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	13		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 41 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	14		(41) V-V675-SGR	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]

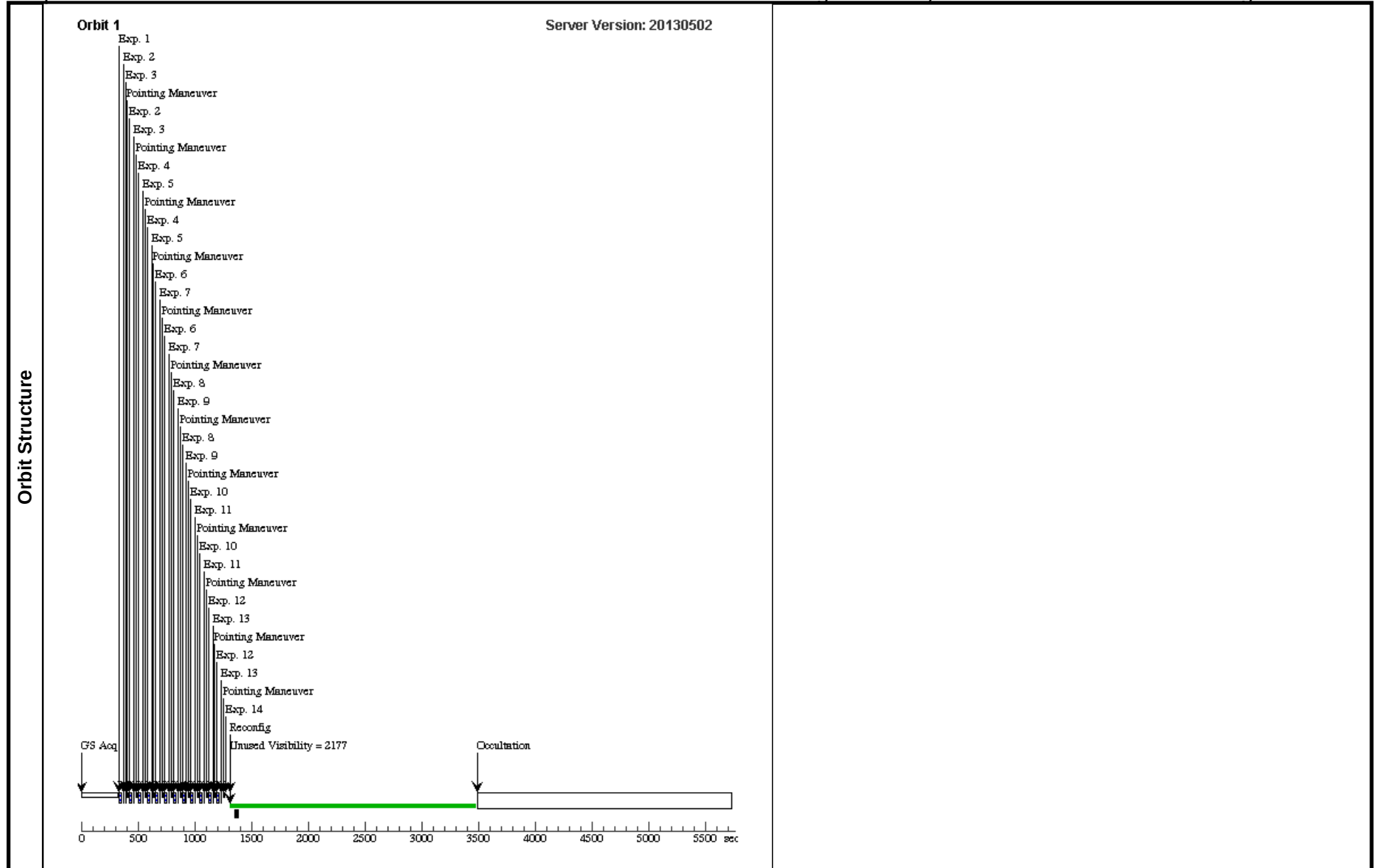


Proposal 13472 - Visit 42 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 42, implementation Fri Jul 12 17:26:29 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(43)	V-XZ-CYG	RA: 19 32 29.3049 (293.1221038d) Dec: +56 23 17.49 (56.38819d) Equinox: J2000		V=9.68
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

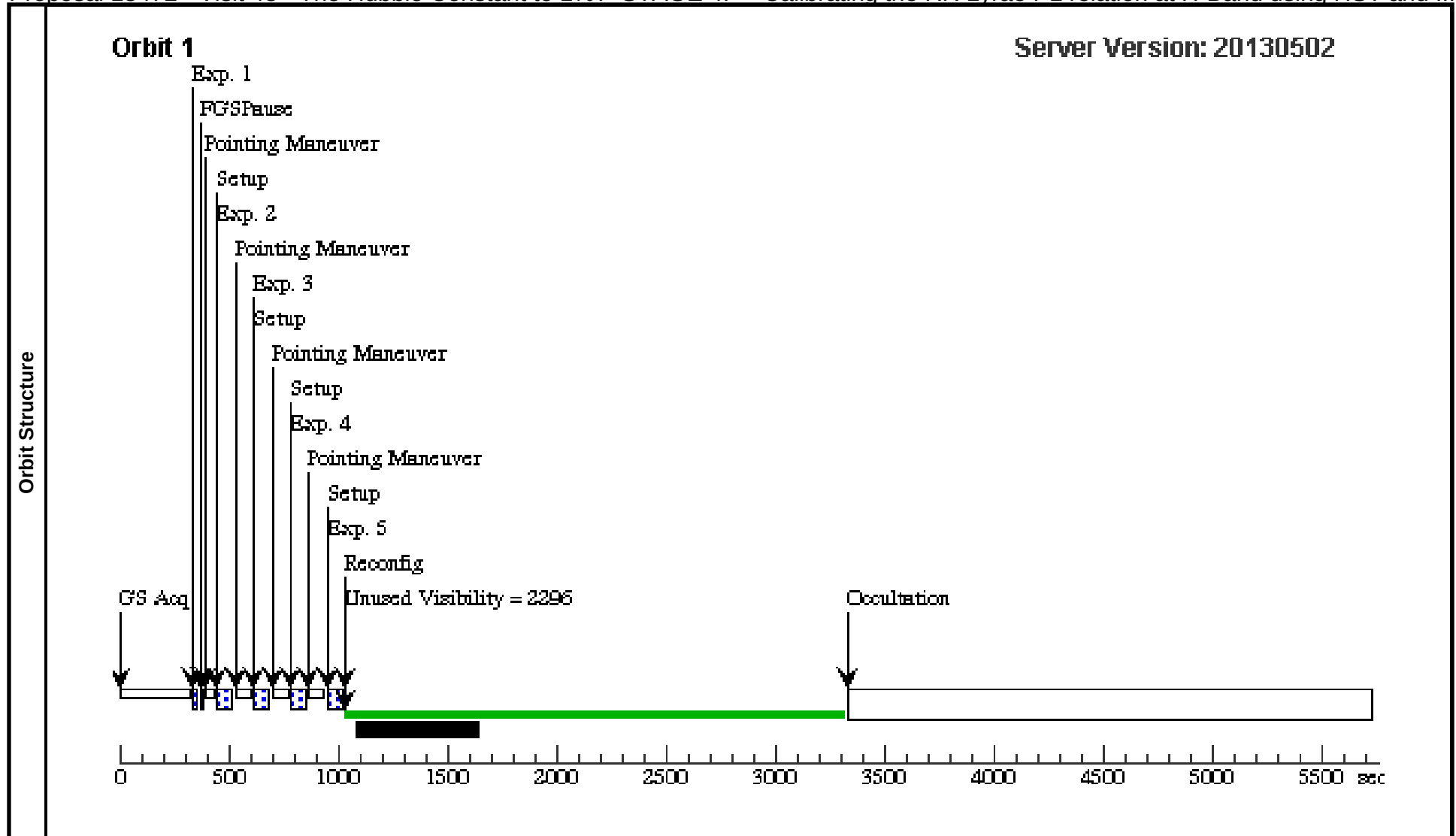
Proposal 13472 - Visit 42 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 42 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(43) V-XZ-CYG	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]



Proposal 13472 - Visit 43 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 43, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Fri Jul 12 17:26:30 GMT 2013									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(42)	V-RR-LYR	RA: 19 25 27.9128 (291.3663033d) Dec: +42 47 3.69 (42.78436d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>		V=7.13	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(42) V-RR-LYR	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.277815 Secs (0.278 Secs) [==>]	[1]
	2		(42) V-RR-LYR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG -62,-35; SPATIAL SCAN 7.5 ,30.0 Degrees,Forward; EXP PCS MODE G YRO		17.593746 Secs (17.594 Secs) [==>]	[1]
	3		(42) V-RR-LYR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG -62,-32; SPATIAL SCAN 7.5 ,30.0 Degrees,Forward; EXP PCS MODE G YRO		17.593746 Secs (17.594 Secs) [==>]	[1]
	4		(42) V-RR-LYR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG -65,-32; SPATIAL SCAN 7.5 ,30.0 Degrees,Forward; EXP PCS MODE G YRO		17.593746 Secs (17.594 Secs) [==>]	[1]
	5		(42) V-RR-LYR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG -65,-35; SPATIAL SCAN 7.5 ,30.0 Degrees,Forward; EXP PCS MODE G YRO		17.593746 Secs (17.594 Secs) [==>]	[1]

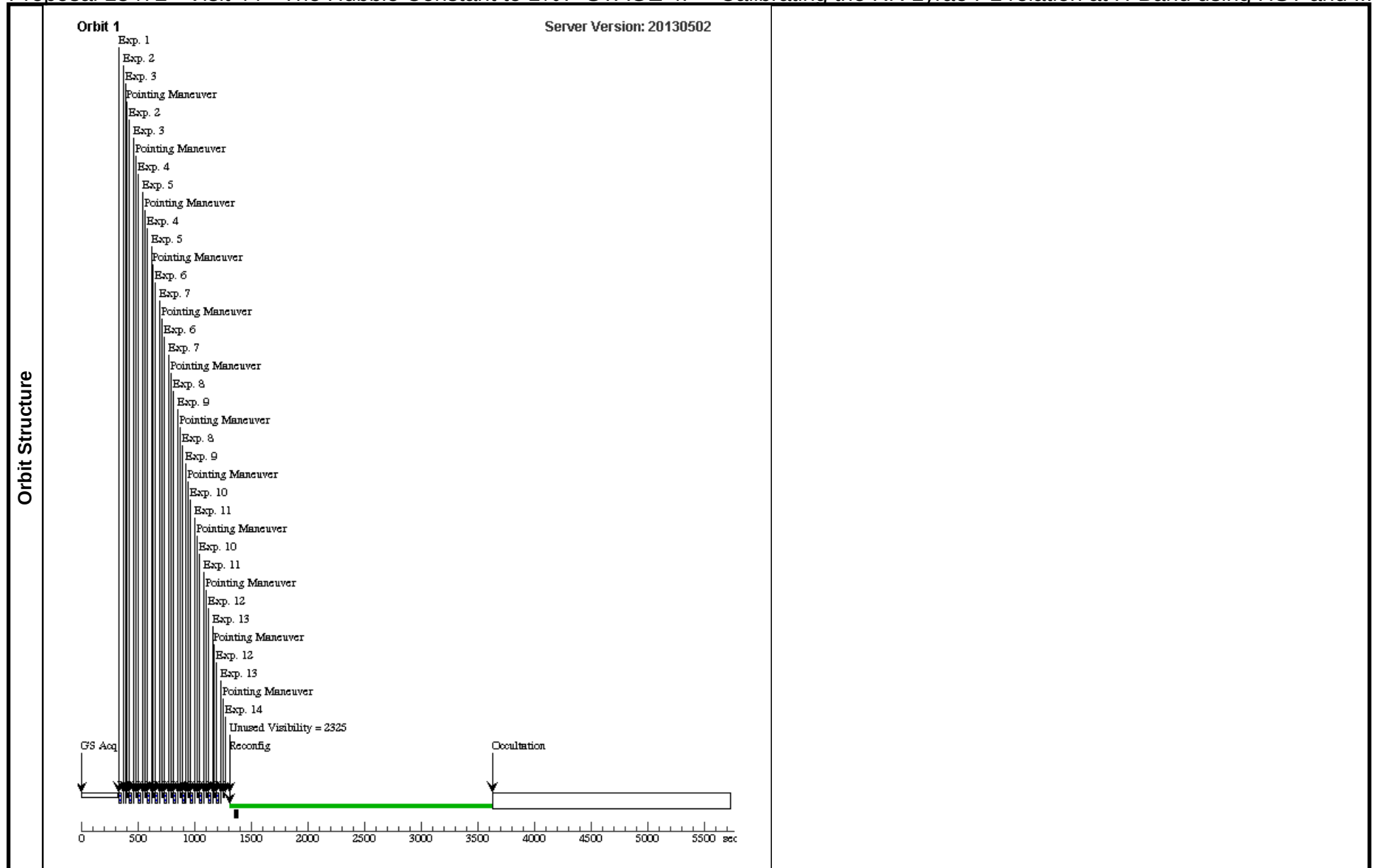


Proposal 13472 - Visit 44 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 44, implementation Fri Jul 12 17:26:31 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(44)	V-UV-OCT	RA: 16 32 25.5339 (248.1063913d) Dec: -83 54 10.52 (-83.90292d) Equinox: J2000		V=9.44
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 44 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]
	2		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	3		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	4		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	5		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	6		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	7		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	8		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	9		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	10		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	11		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	12		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	13		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 44 (1)	0.060774 Secs (0.122 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	14		(44) V-UV-OCT	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs)		
									[==>]		[1]



Proposal 13472 - Visit 45 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Visit	Proposal 13472, Visit 45, implementation Fri Jul 12 17:26:31 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(2-3), (4-5), (6-7), (8-9), (10-11), (12-13)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(45)	V-SU-DRA	RA: 11 37 56.6074 (174.4858642d) Dec: +67 19 47.06 (67.32974d) Equinox: J2000		V=9.84
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.					
Miscellaneous Reference Frame: SIMBAD					

Proposal 13472 - Visit 45 - The Hubble Constant to 1%? STAGE 4: Calibrating the RR Lyrae PL relation at H-Band using HST and ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]
	2		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 2-3 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 4-5 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 6-7 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 8-9 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 10-11 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1		Pattern 1, Exps 12-13 in Visit 45 (1)	0.060774 Secs (0.122 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(45) V-SU-DRA	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID ; NSAMP=1			0.060774 Secs (0.061 Secs) [==>]	[1]

