



13928 - HST and Gaia, Light and Distance

Cycle: 22, 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) T-MON	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:08:53.0	yes
04	(4) S-NOR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:08:56.0	yes
05	(5) RS-PUP	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:08:58.0	yes
06	(6) RZ-VEL	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:08:59.0	yes
07	(7) TT-AQL	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:01.0	yes

Proposal 13928 (STScI Edit Number: 1, Created: Monday, September 29, 2014 8:09:51 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
10	(10) VY-CAR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:03.0	yes
12	(12) XX-CEN	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:04.0	yes
13	(64) V-W-SGR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:06.0	yes
15	(15) SW-VEL	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:10.0	yes
16	(16) SX-VEL	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:14.0	yes
17	(17) SV-MON	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:16.0	yes
19	(19) FN-AQL	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:17.0	yes
20	(20) Z-LAC	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:19.0	yes
21	(65) V-X-SGR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:20.0	yes
22	(22) SV-VEL	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:22.0	yes
23	(23) SZ-AQL	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:23.0	yes
24	(24) RW-CAM	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:25.0	yes
29	(66) V-Y-SGR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:26.0	yes
34	(34) WZ-CAR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:28.0	yes

Proposal 13928 (STScI Edit Number: 1, Created: Monday, September 29, 2014 8:09:51 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
36	(36) BK-AUR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:30.0	yes
37	(37) SY-NOR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:31.0	yes
40	(40) Y-SCT	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:33.0	yes
41	(41) FR-CAR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:35.0	yes
48	(48) AC-MON	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:36.0	yes
49	(49) V0340-ARA	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:38.0	yes
51	(51) YZ-AUR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:39.0	yes
52	(52) AN-AUR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:41.0	yes
54	(54) FO-CAR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:42.0	yes
55	(55) TX-MON	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:44.0	yes
56	(56) EZ-CYG	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:45.0	yes
58	(58) CR-CAR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:47.0	yes
59	(59) FI-CAR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:48.0	yes
60	(60) CY-AUR	WFC3/IR WFC3/UVIS	1	29-Sep-2014 21:09:50.0	yes

33 Total Orbits Used

ABSTRACT

New, powerful cosmological constraints will become available over the next few years from Planck, DES, BOSS, Pan-STARRS, and HETDEX, at which point the need for a $\sim 1\%$ measurement of the Hubble Constant will be great; it would provide more than the equivalent constraint on dark energy as suddenly doubling all other cosmological datasets, a daunting proposition. An opportunity to reach this goal will occur when the ESA Gaia mission measures percent level parallaxes to hundreds of known Milky Way Cepheids. The most valuable such Cepheids are the known 60 which have long periods like those of the 1000's of extragalactic Cepheids observed by HST in distant galaxies and whose distance and extinction offer the most precise and reliable calibrations of the luminosities of extragalactic Cepheids. HST observations of extragalactic Cepheids in the hosts of recent SNe Ia have been used to calibrate their Hubble diagram which itself provides 0.5% precision for determining the Hubble constant. To retain the exquisite precision of Gaia when using Cepheids to measure the distance to nearby galaxies, it is crucial to have calibrated the Milky Way Cepheid fluxes on the same HST photometric system used for extragalactic Cepheids. We propose a snapshot program to measure these Milky Way Cepheid fluxes with the HST photometric system used for extragalactic Cepheids and which, if completed at the expected 50% level would provide a better than 1% calibration of the distance scale to anchor the best future determination of the Hubble constant and the nature of dark energy.

OBSERVING DESCRIPTION

Proposal 13928 - Visit 01 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 01, implementation Tue Sep 30 01:09:51 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	T-MON	RA: 06 25 13.0080 (96.3042000d) Dec: +07 05 6.00 (7.08500d) Equinox: J2000		V=6.12+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 01 - HST and Gaia, Light and Distance

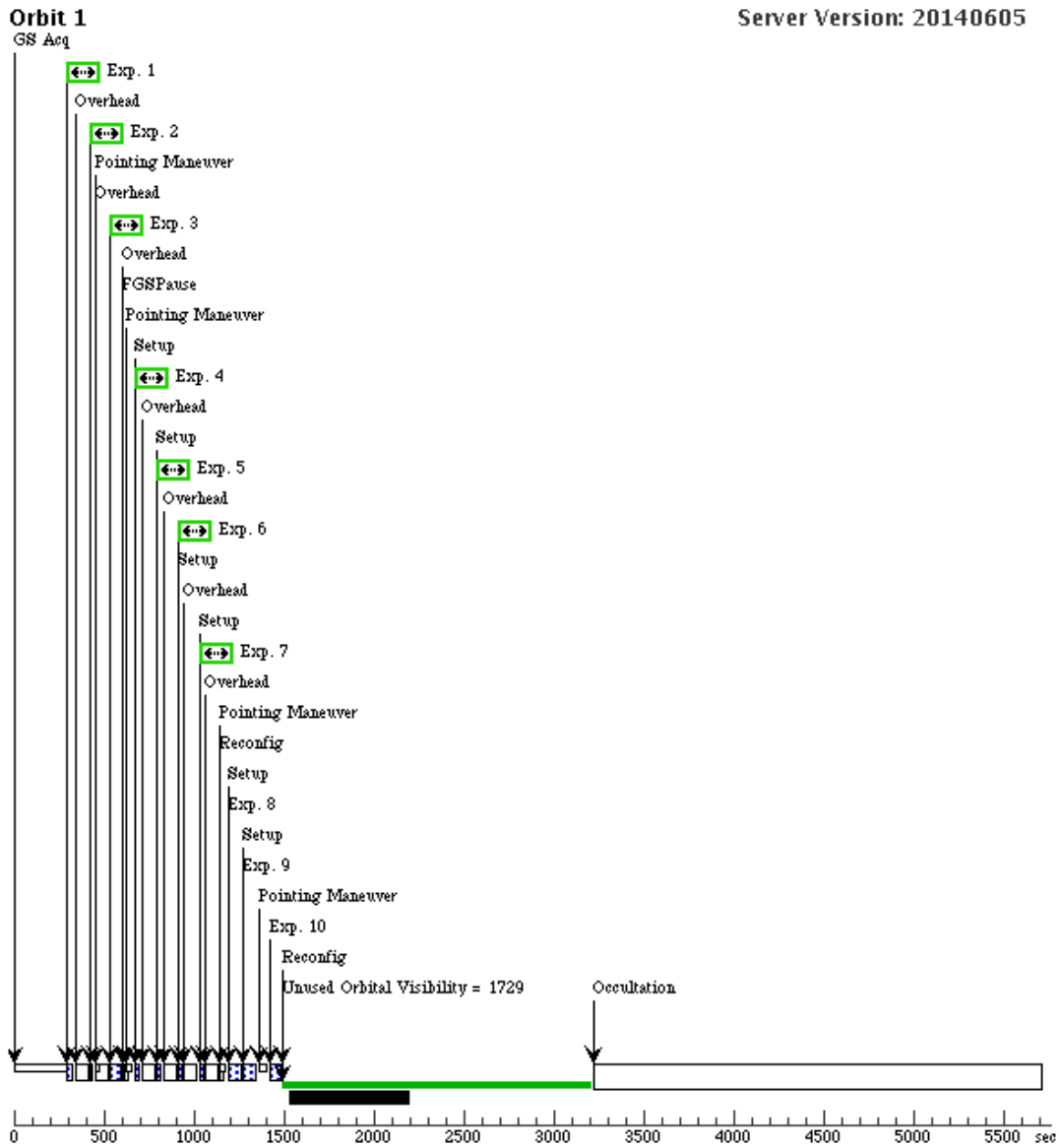
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) T-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(1) T-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(1) T-MON	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(1) T-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(1) T-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(1) T-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(1) T-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(1) T-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 01 - HST and Gaia, Light and Distance

9	(1) T-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(1) T-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 04 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 04, implementation Tue Sep 30 01:09:52 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	S-NOR	RA: 16 18 52.0080 (244.7167000d) Dec: -57 54 0.00 (-57.90000d) Equinox: J2000		V=6.42+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 04 - HST and Gaia, Light and Distance

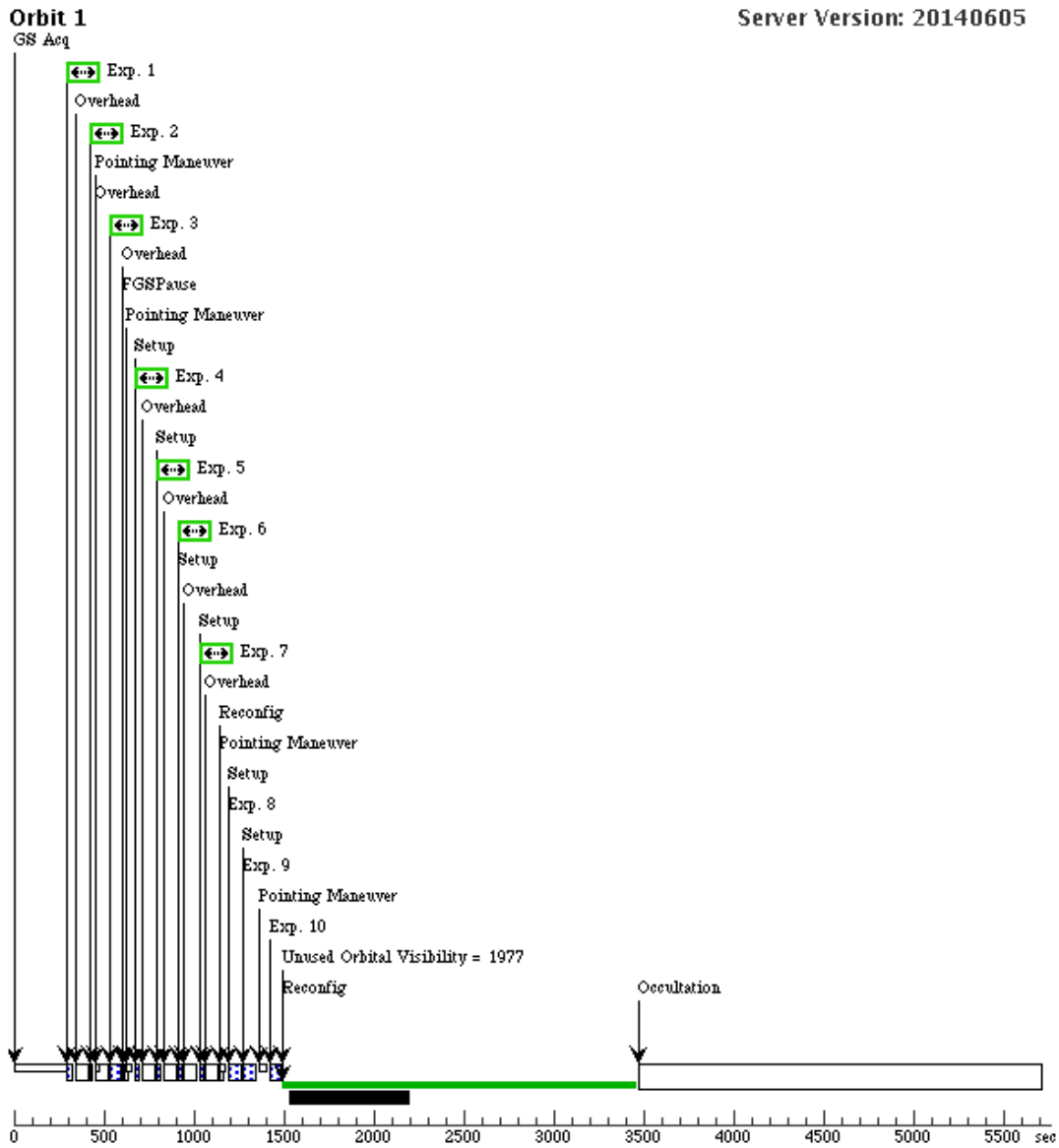
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(4) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(4) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(4) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(4) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(4) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(4) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(4) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(4) S-NOR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 04 - HST and Gaia, Light and Distance

9	(4) S-NOR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(4) S-NOR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 05 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 05, implementation Tue Sep 30 01:09:52 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)												
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(5)</td> <td>RS-PUP</td> <td> RA: 08 13 4.0080 (123.2667000d) Dec: -34 34 41.88 (-34.57830d) Equinox: J2000 </td> <td></td> <td>V=7.03+/-0.5</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(5)	RS-PUP	RA: 08 13 4.0080 (123.2667000d) Dec: -34 34 41.88 (-34.57830d) Equinox: J2000		V=7.03+/-0.5
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(5)	RS-PUP	RA: 08 13 4.0080 (123.2667000d) Dec: -34 34 41.88 (-34.57830d) Equinox: J2000		V=7.03+/-0.5	Reference Frame: ICRS								

Proposal 13928 - Visit 05 - HST and Gaia, Light and Distance

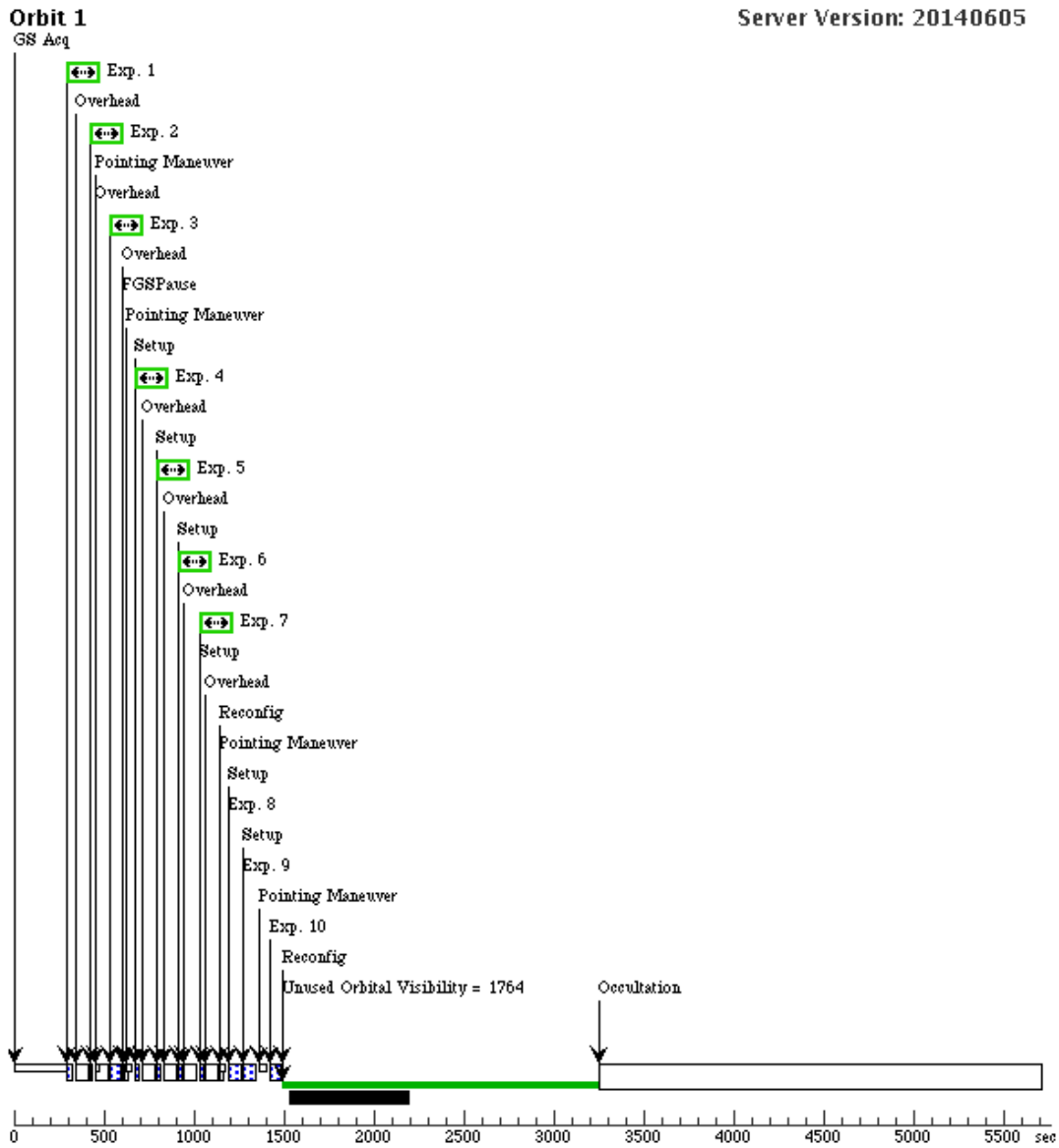
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(5) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(5) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(5) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(5) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(5) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(5) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(5) RS-PUP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 05 - HST and Gaia, Light and Distance

9	(5) RS-PUP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(5) RS-PUP	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 06 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 06, implementation Tue Sep 30 01:09:52 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(6)	RZ-VEL	RA: 08 37 1.0080 (129.2542000d) Dec: -44 06 54.00 (-44.11500d) Equinox: J2000		V=7.08+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 06 - HST and Gaia, Light and Distance

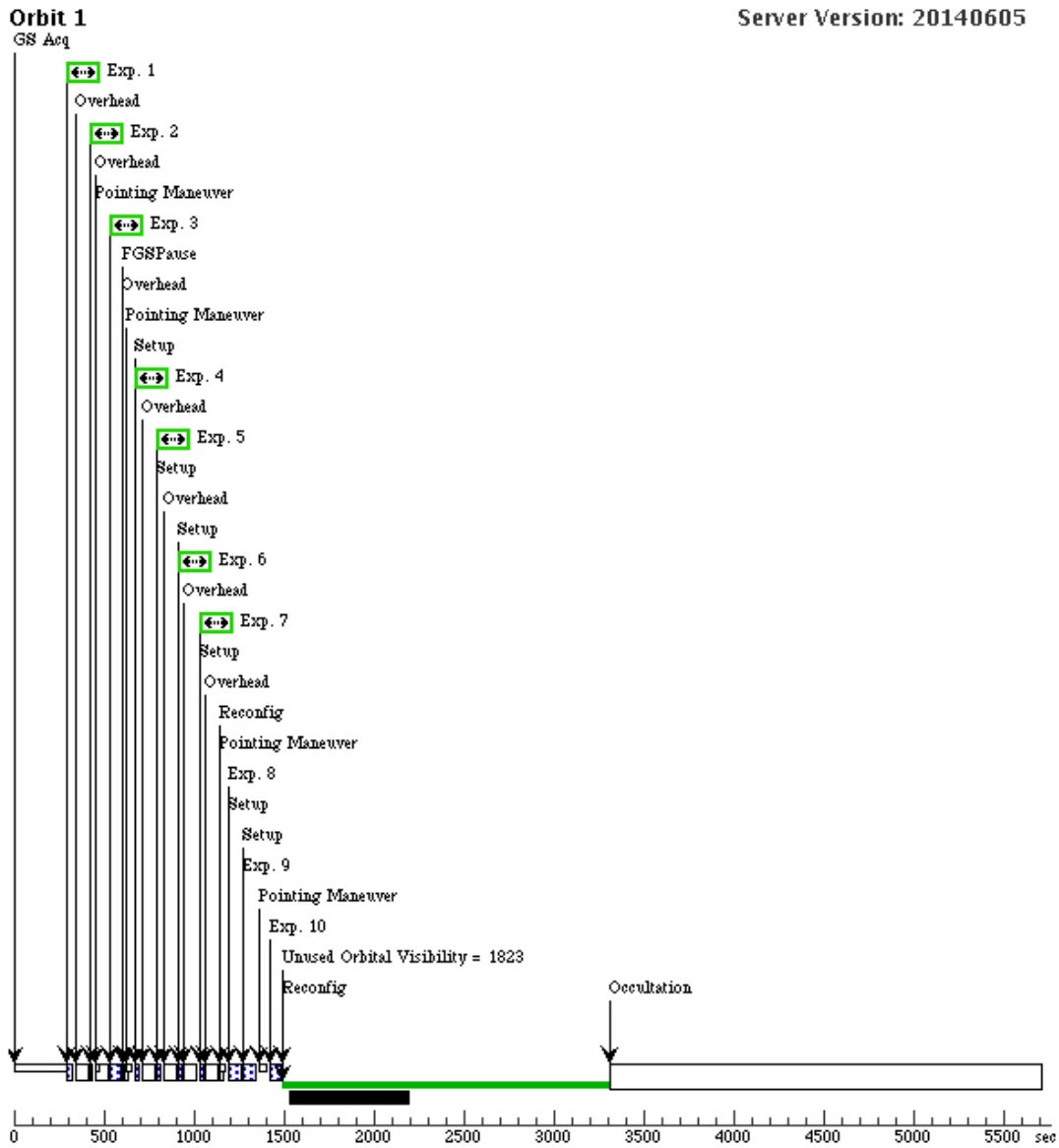
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) RZ-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(6) RZ-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(6) RZ-VEL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(6) RZ-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(6) RZ-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(6) RZ-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(6) RZ-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(6) RZ-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 06 - HST and Gaia, Light and Distance

9	(6) RZ-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(6) RZ-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 07 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 07, implementation Tue Sep 30 01:09:52 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(7)	TT-AQL	RA: 19 08 13.9920 (287.0583000d) Dec: +01 17 53.88 (1.29830d) Equinox: J2000		V=7.12+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 07 - HST and Gaia, Light and Distance

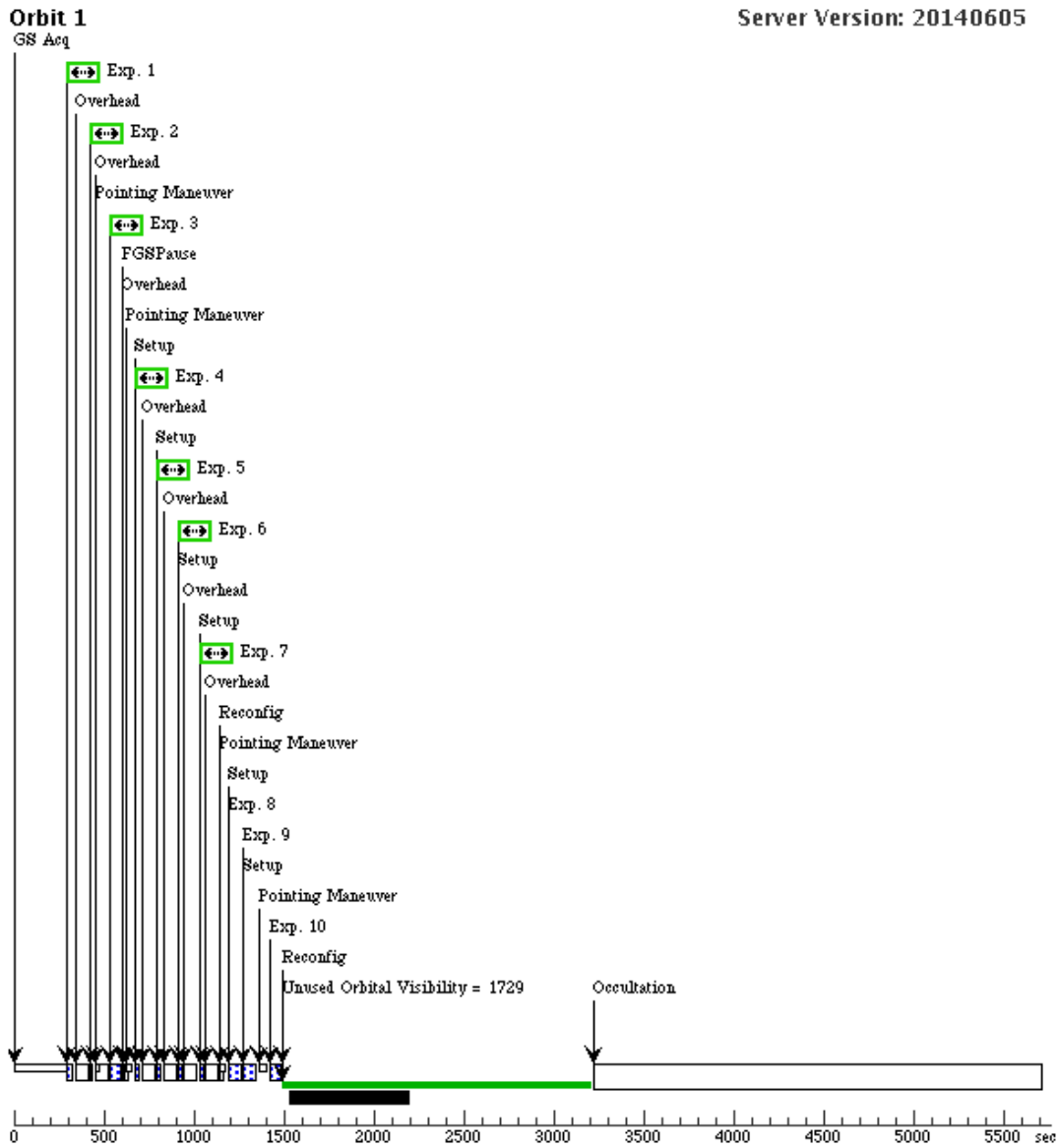
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(7) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(7) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(7) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(7) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(7) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(7) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(7) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(7) TT-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 07 - HST and Gaia, Light and Distance

9	(7) TT-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(7) TT-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 10 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 10, implementation Tue Sep 30 01:09:52 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: target already in 13334, need to change</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(10)		VY-CAR	RA: 10 44 33.0000 (161.1375000d) Dec: -57 33 54.00 (-57.56500d) Equinox: J2000		V=7.46+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 10 - HST and Gaia, Light and Distance

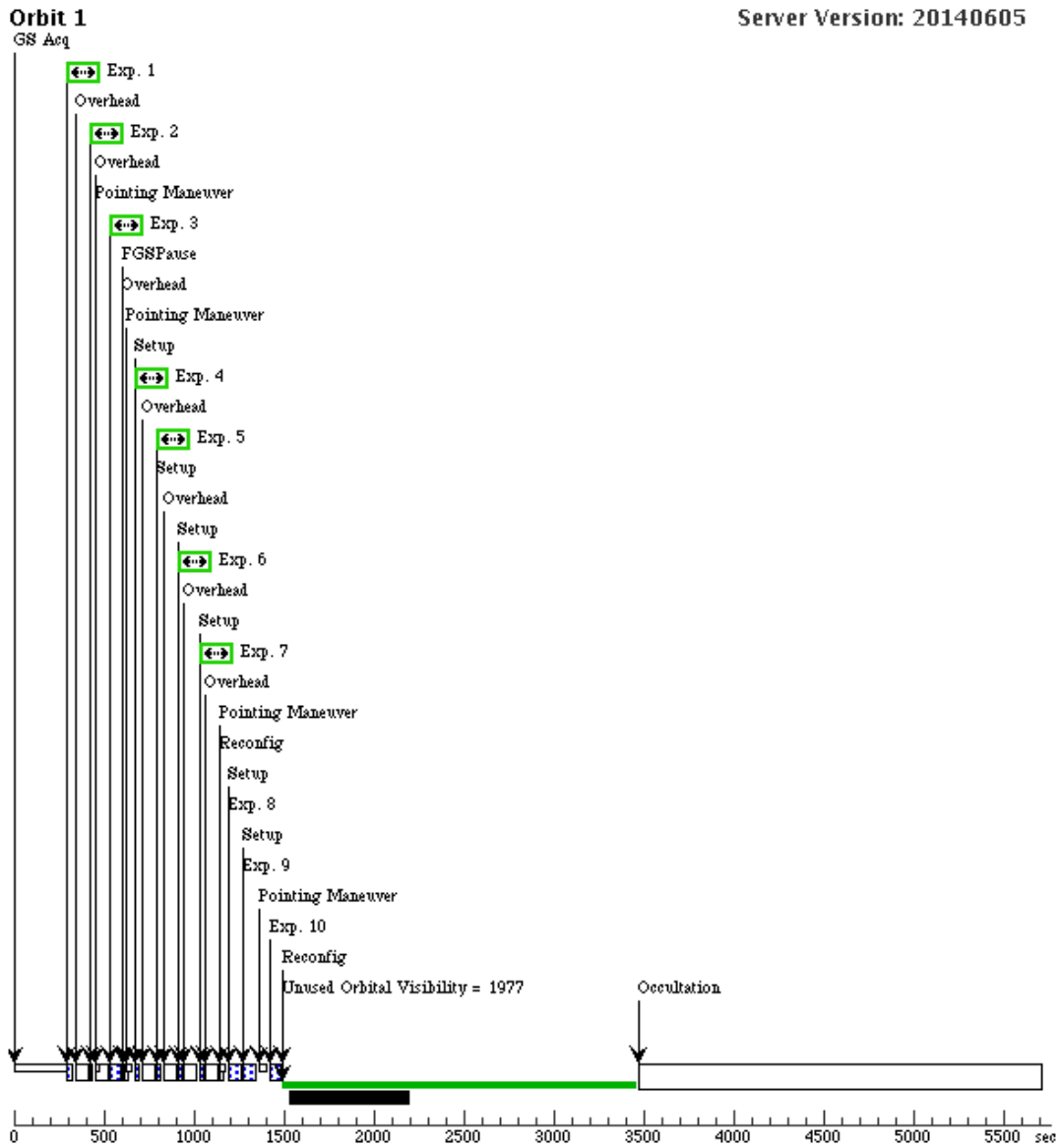
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(10) VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(10) VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(10) VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(10) VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(10) VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(10) VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(10) VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(10) VY-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 10 - HST and Gaia, Light and Distance

9	(10) VY-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(10) VY-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 12 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 12, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(12)		XX-CEN	RA: 13 40 19.0080 (205.0792000d) Dec: -57 36 47.88 (-57.61330d) Equinox: J2000		V=7.81+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 12 - HST and Gaia, Light and Distance

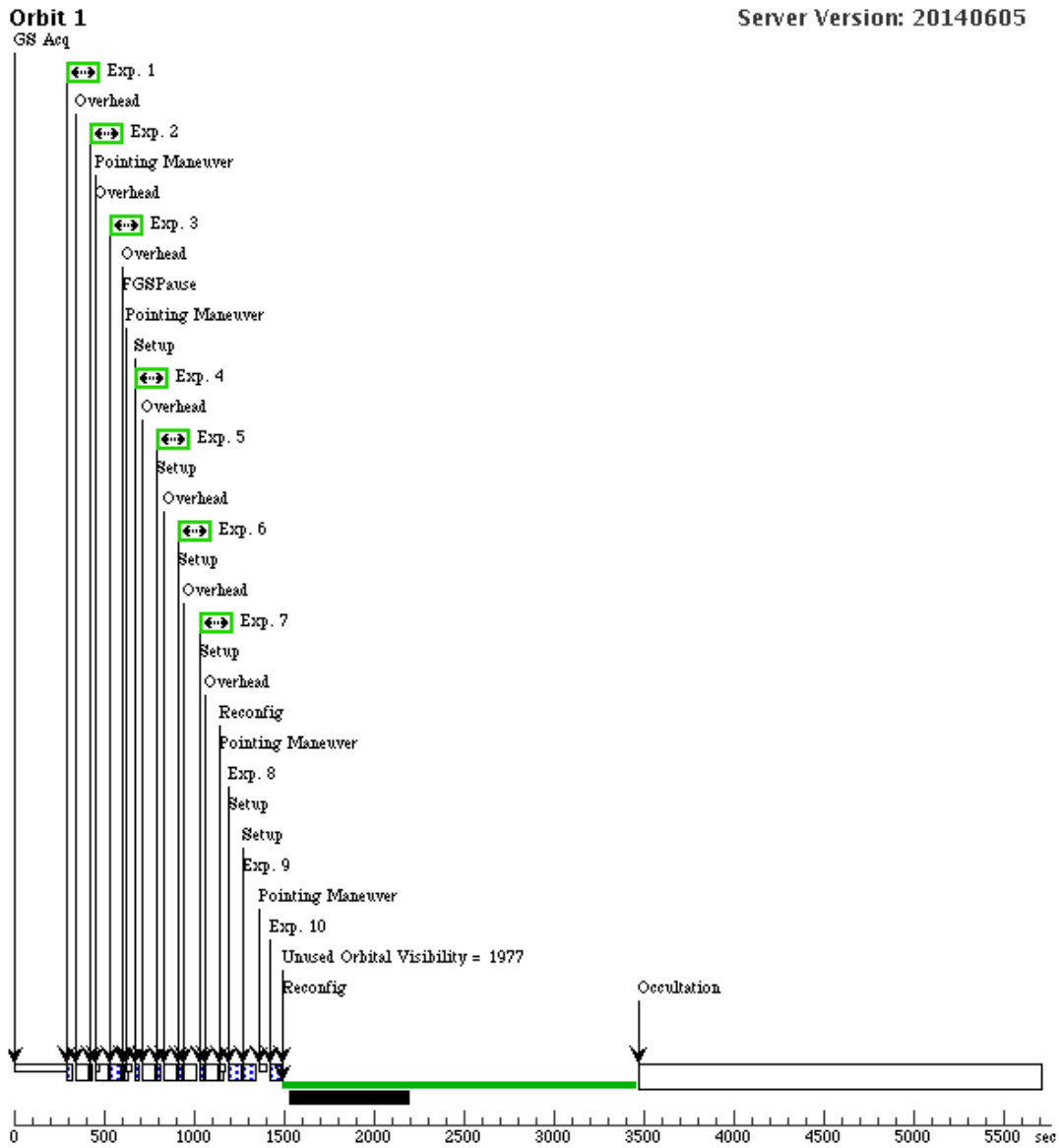
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(12) XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(12) XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(12) XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(12) XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(12) XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(12) XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(12) XX-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(12) XX-CEN	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 12 - HST and Gaia, Light and Distance

9	(12) XX-CEN	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(12) XX-CEN	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 13 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 13, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(64)		V-W-SGR	RA: 18 05 1.2241 (271.2551004d) Dec: -29 34 48.32 (-29.58009d) Equinox: J2000		V=4.66	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 13928 - Visit 13 - HST and Gaia, Light and Distance

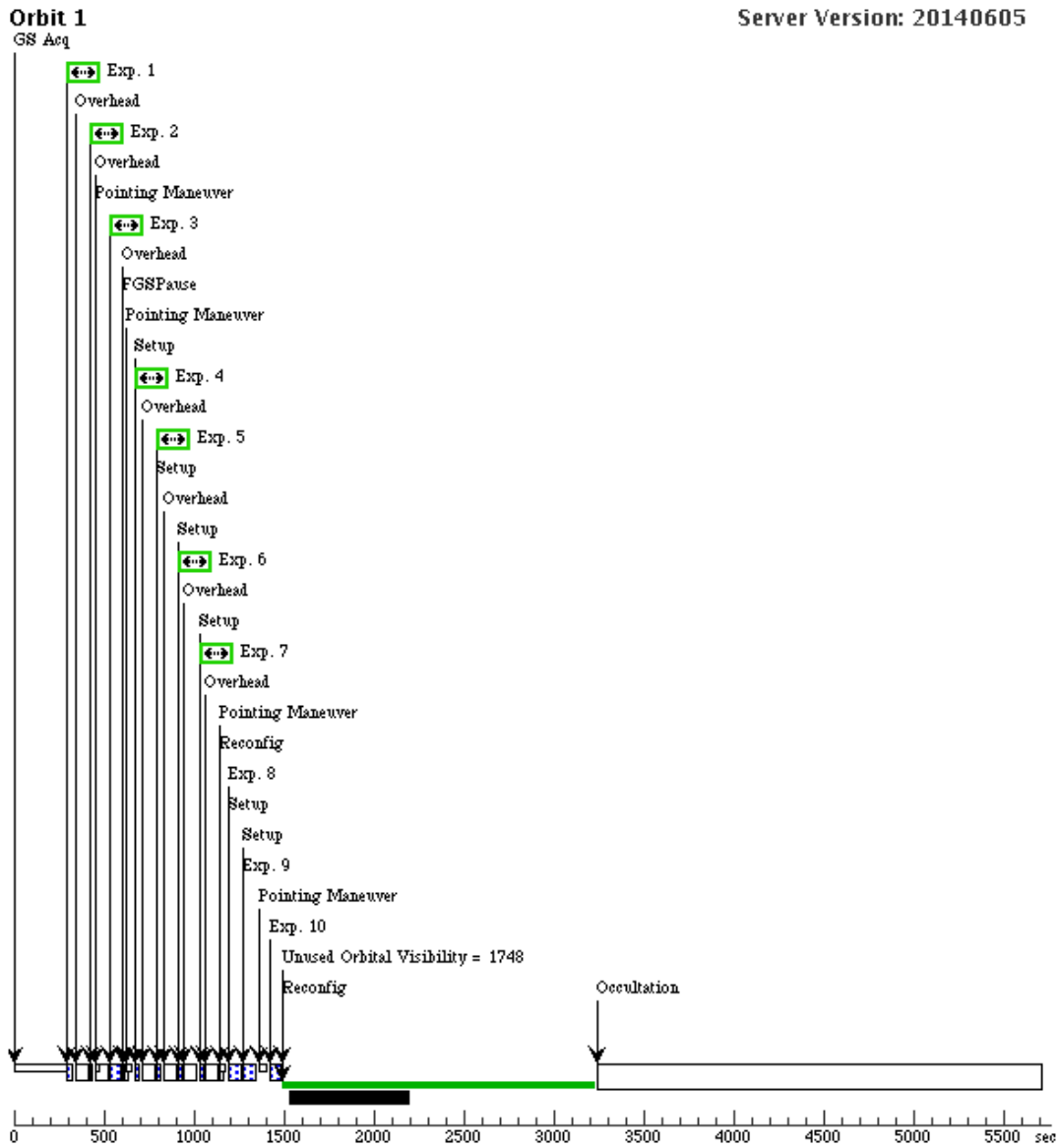
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(64) V-W-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(64) V-W-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(64) V-W-SGR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(64) V-W-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(64) V-W-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(64) V-W-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(64) V-W-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(64) V-W-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 13 - HST and Gaia, Light and Distance

9	(64) V-W-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(64) V-W-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 15 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 15, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(15)	SW-VEL	RA: 08 43 39.0000 (130.9125000d) Dec: -47 24 11.88 (-47.40330d) Equinox: J2000		V=8.11+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 15 - HST and Gaia, Light and Distance

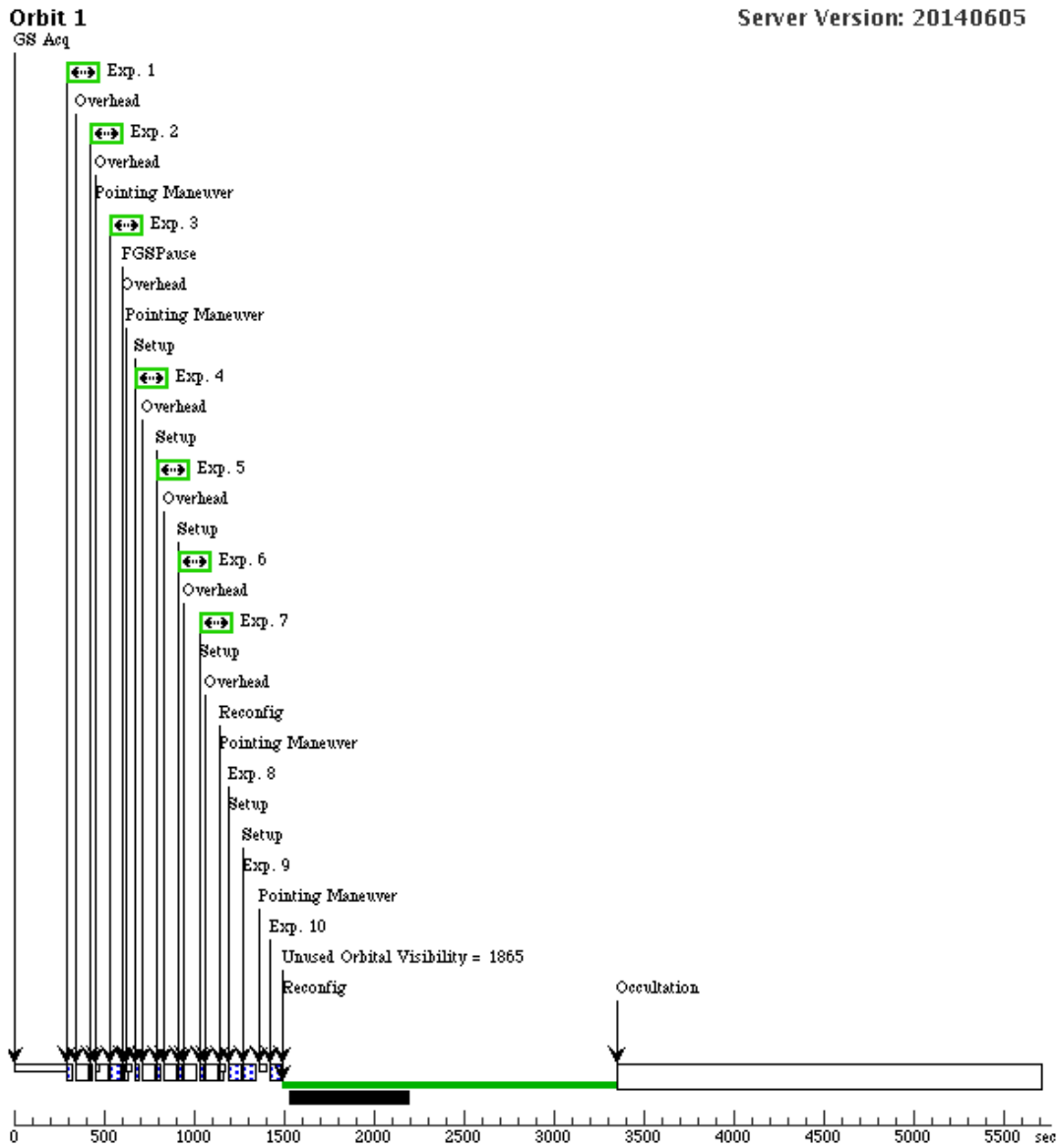
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(15) SW-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(15) SW-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(15) SW-VEL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(15) SW-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(15) SW-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(15) SW-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(15) SW-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(15) SW-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 15 - HST and Gaia, Light and Distance

9	(15) SW-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(15) SW-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 16 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 16, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(16)	SX-VEL	RA: 08 44 52.9920 (131.2208000d) Dec: -46 20 35.88 (-46.34330d) Equinox: J2000		V=8.26+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 16 - HST and Gaia, Light and Distance

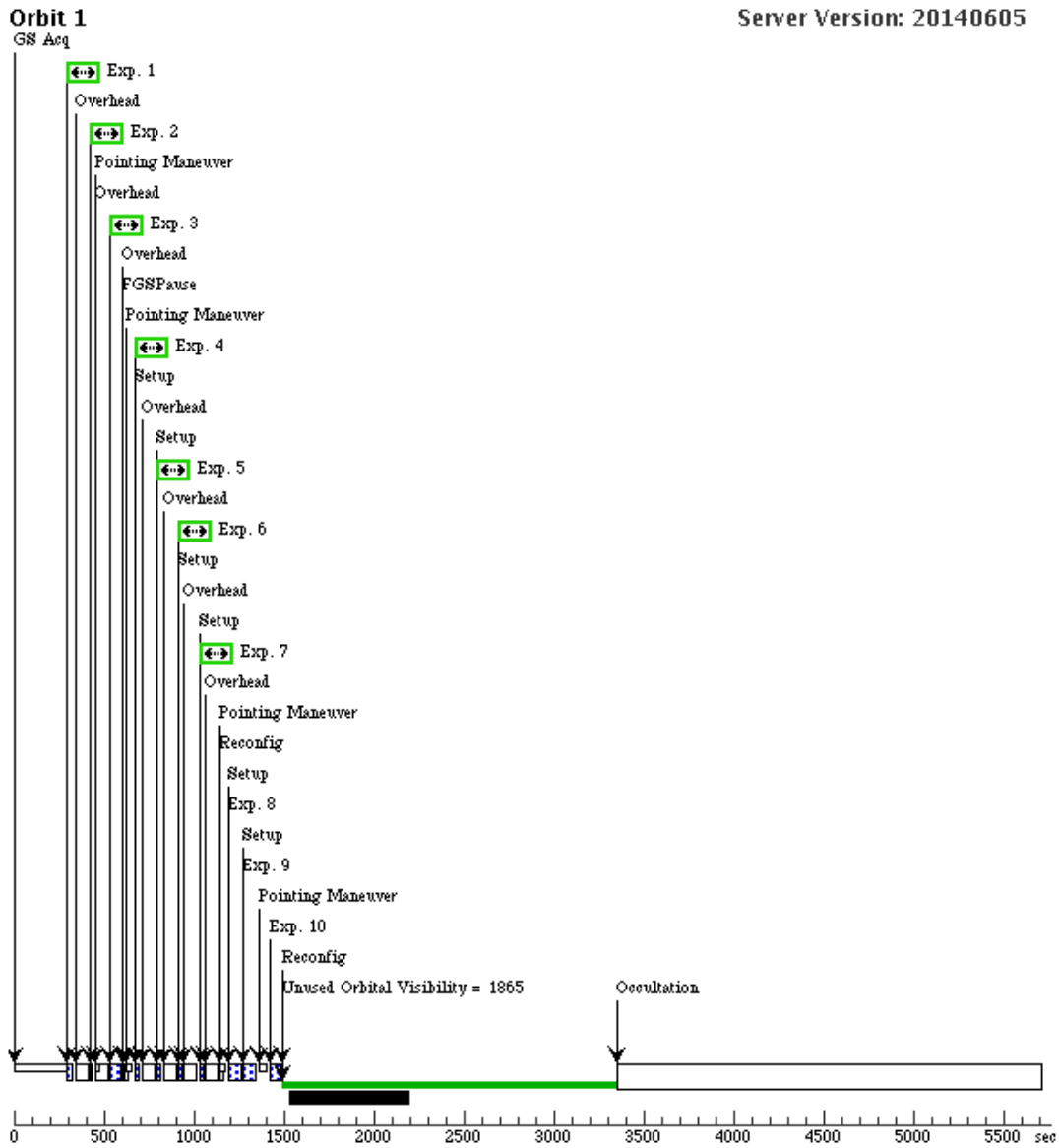
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(16) SX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(16) SX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(16) SX-VEL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(16) SX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(16) SX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(16) SX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(16) SX-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(16) SX-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 16 - HST and Gaia, Light and Distance

9	(16) SX-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(16) SX-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 17 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 17, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(17)	SV-MON	RA: 06 21 25.9920 (95.3583000d) Dec: +06 28 12.00 (6.47000d) Equinox: J2000		V=8.26+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 17 - HST and Gaia, Light and Distance

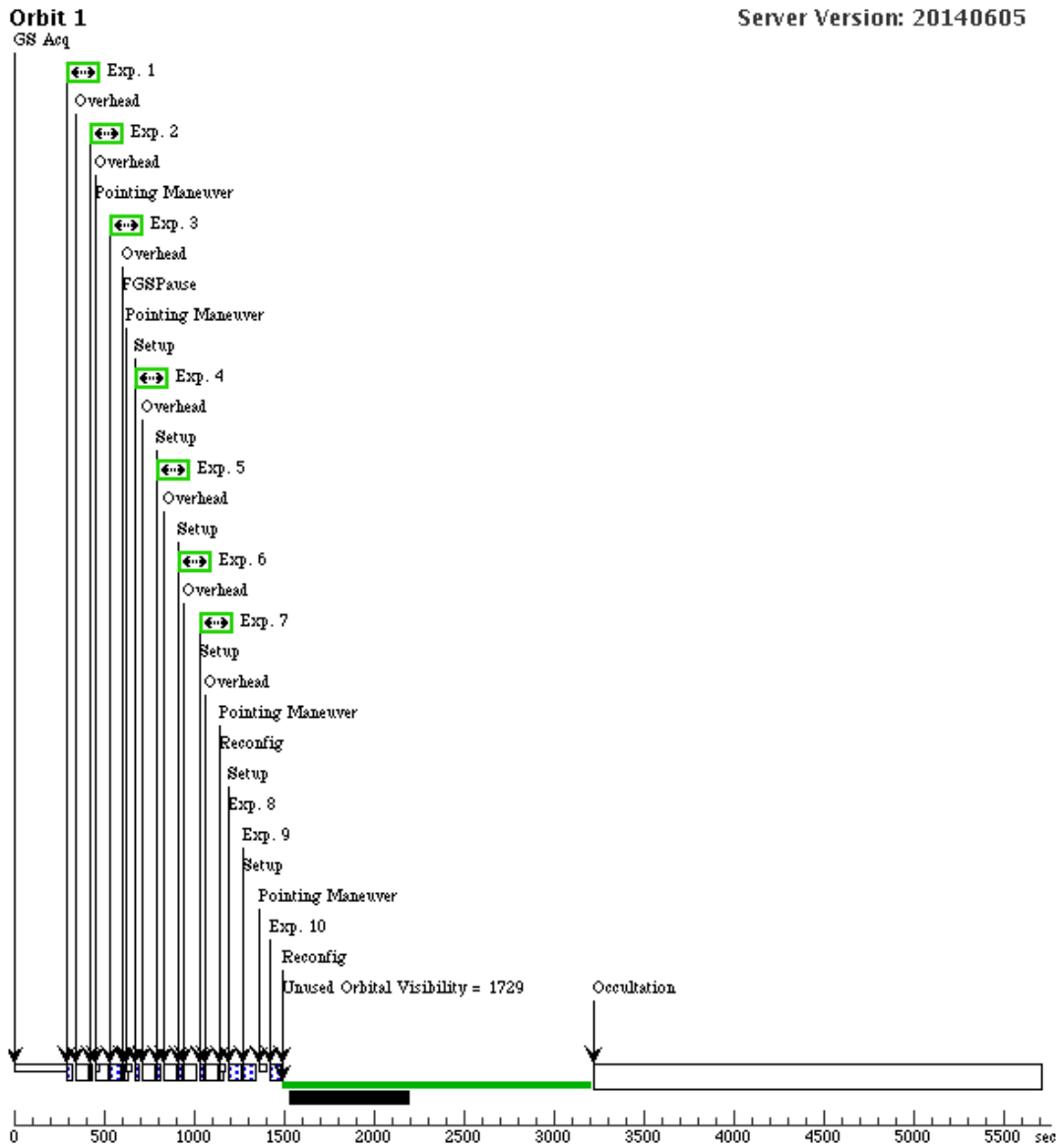
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(17) SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(17) SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(17) SV-MON	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(17) SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(17) SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(17) SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(17) SV-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(17) SV-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 17 - HST and Gaia, Light and Distance

9	(17) SV-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(17) SV-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 19 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 19, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(19)		FN-AQL	RA: 19 12 46.9920 (288.1958000d) Dec: +03 33 24.12 (3.55670d) Equinox: J2000		V=8.37+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 19 - HST and Gaia, Light and Distance

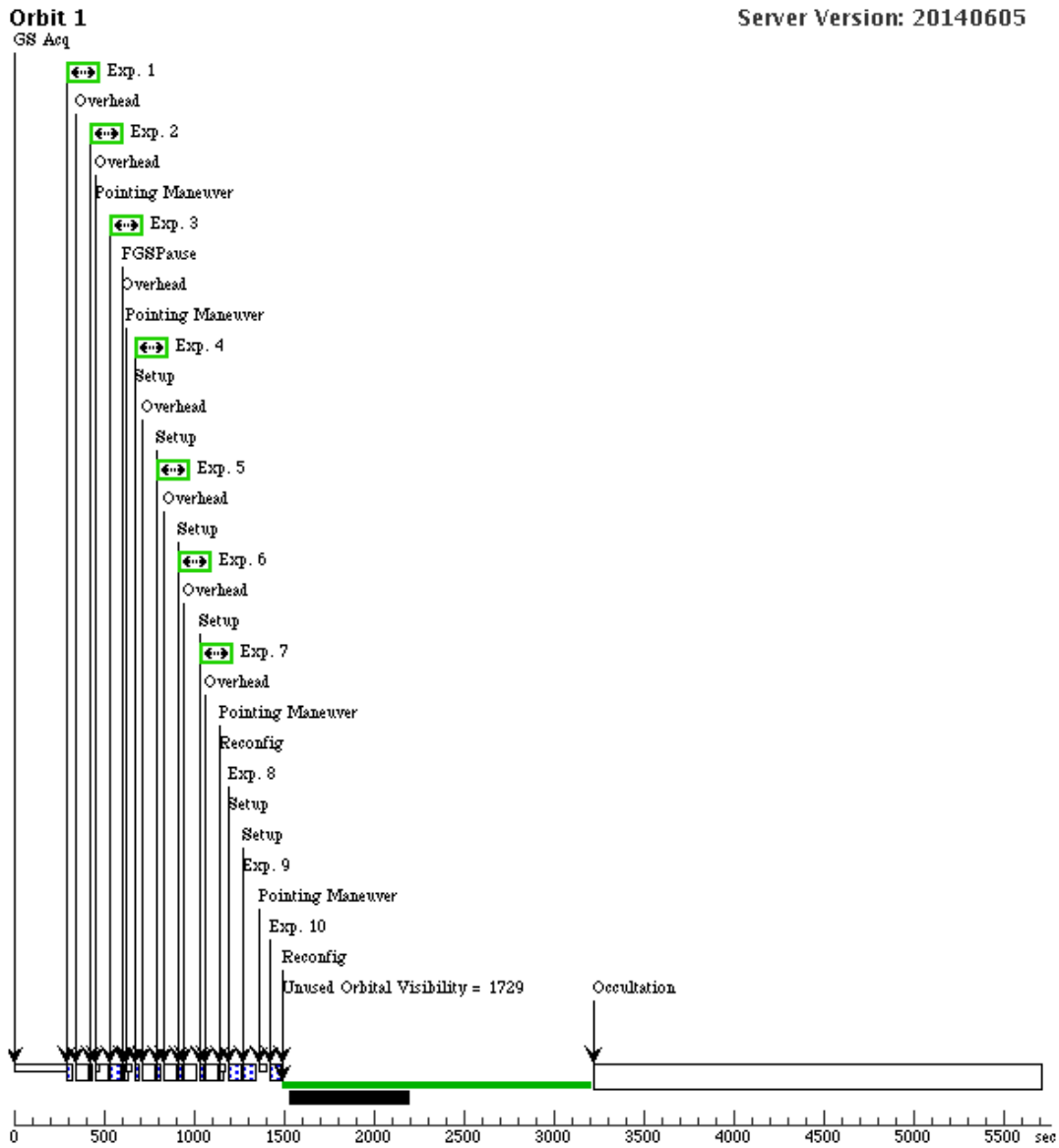
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(19) FN-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(19) FN-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(19) FN-AQL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(19) FN-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(19) FN-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(19) FN-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(19) FN-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(19) FN-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 19 - HST and Gaia, Light and Distance

9	(19) FN-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(19) FN-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 20 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 20, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(20)	Z-LAC	RA: 22 40 52.0080 (340.2167000d) Dec: +56 49 48.00 (56.83000d) Equinox: J2000		V=8.41+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 20 - HST and Gaia, Light and Distance

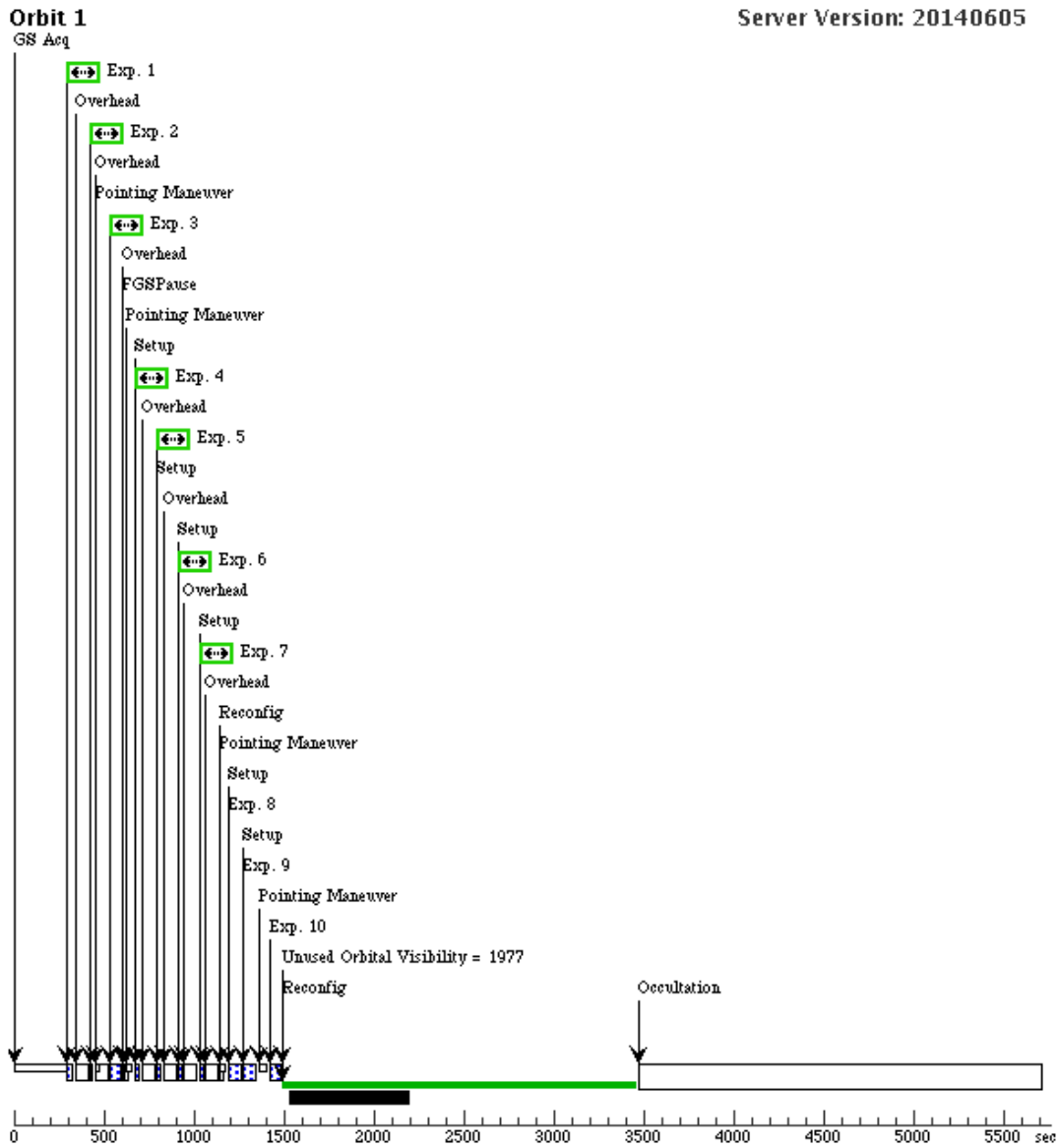
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(20) Z-LAC	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(20) Z-LAC	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(20) Z-LAC	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(20) Z-LAC	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(20) Z-LAC	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(20) Z-LAC	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(20) Z-LAC	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(20) Z-LAC	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 20 - HST and Gaia, Light and Distance

9	(20) Z-LAC	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(20) Z-LAC	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 21 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 21, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(65)		V-X-SGR	RA: 17 47 33.6243 (266.8901013d) Dec: -27 49 50.83 (-27.83079d) Equinox: J2000		V=4.56	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 13928 - Visit 21 - HST and Gaia, Light and Distance

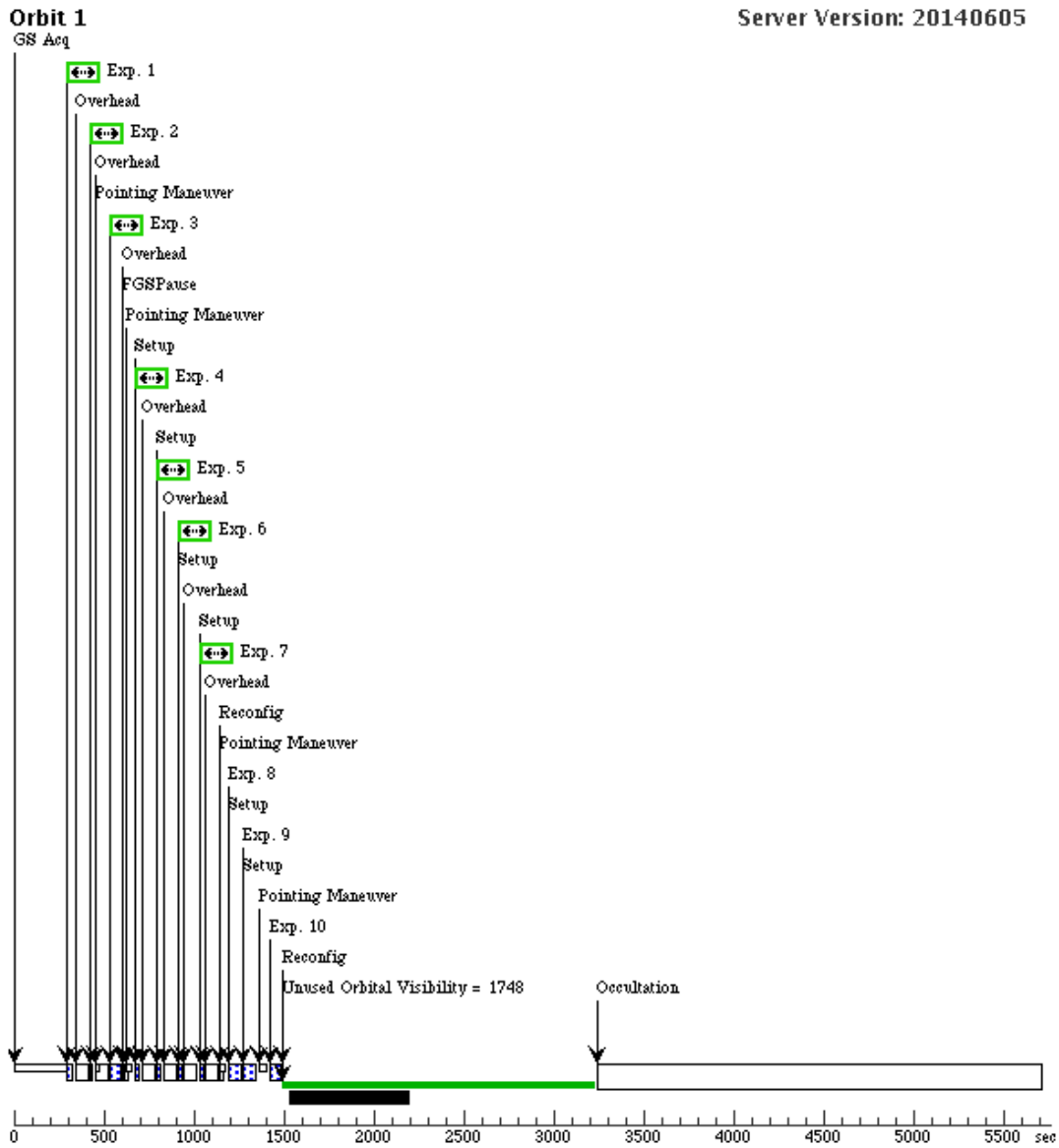
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(65) V-X-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(65) V-X-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(65) V-X-SGR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(65) V-X-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(65) V-X-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(65) V-X-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(65) V-X-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(65) V-X-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 21 - HST and Gaia, Light and Distance

9	(65) V-X-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(65) V-X-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 22 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 22, implementation Tue Sep 30 01:09:53 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(22)	SV-VEL	RA: 10 44 55.9920 (161.2333000d) Dec: -56 17 24.00 (-56.29000d) Equinox: J2000		V=8.58+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 22 - HST and Gaia, Light and Distance

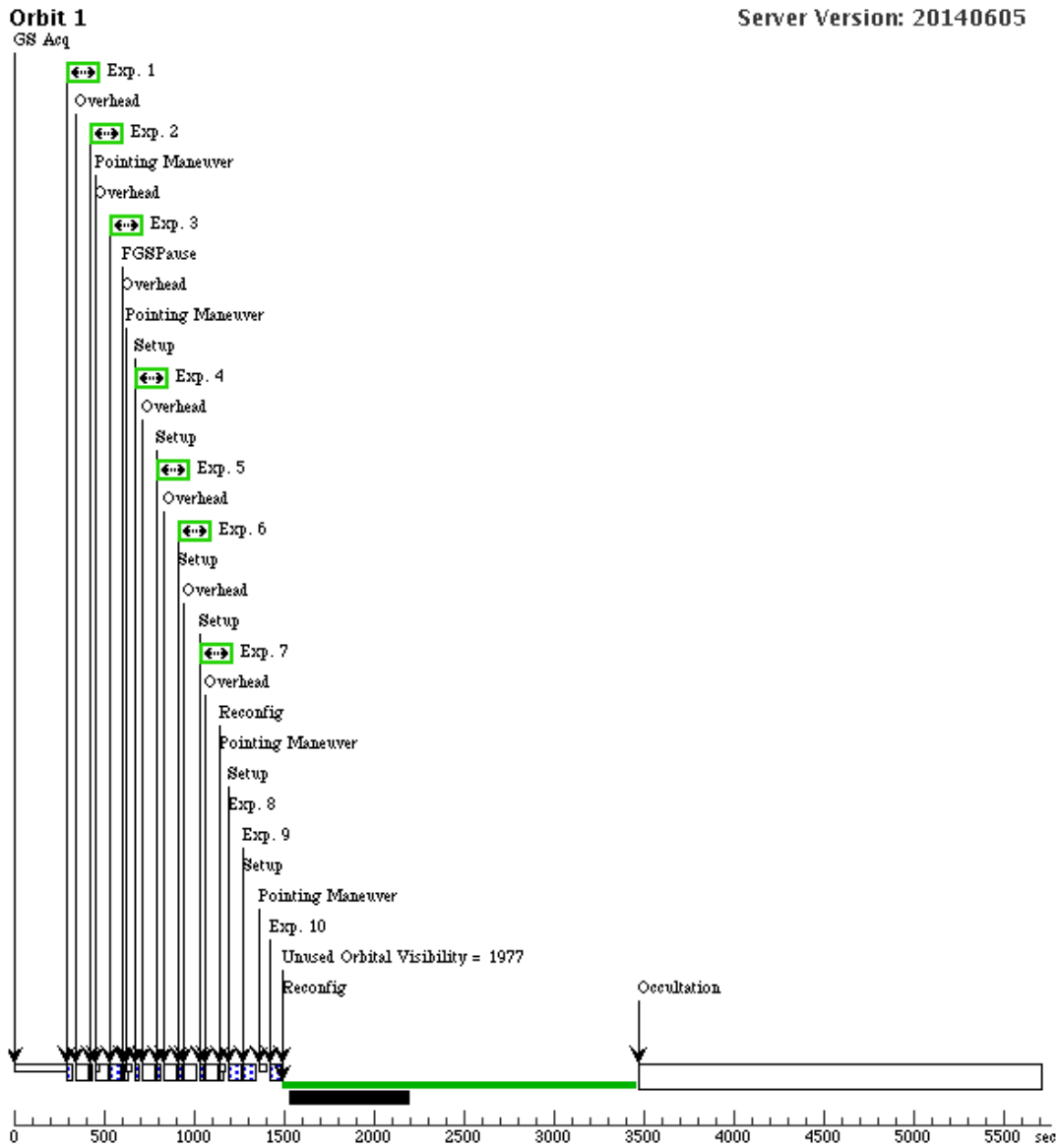
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(22) SV-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(22) SV-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(22) SV-VEL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(22) SV-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(22) SV-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(22) SV-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(22) SV-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(22) SV-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 22 - HST and Gaia, Light and Distance

9	(22) SV-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(22) SV-VEL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 23 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 23, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(23)		SZ-AQL	RA: 19 04 39.0000 (286.1625000d) Dec: +01 18 24.12 (1.30670d) Equinox: J2000		V=8.63+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 23 - HST and Gaia, Light and Distance

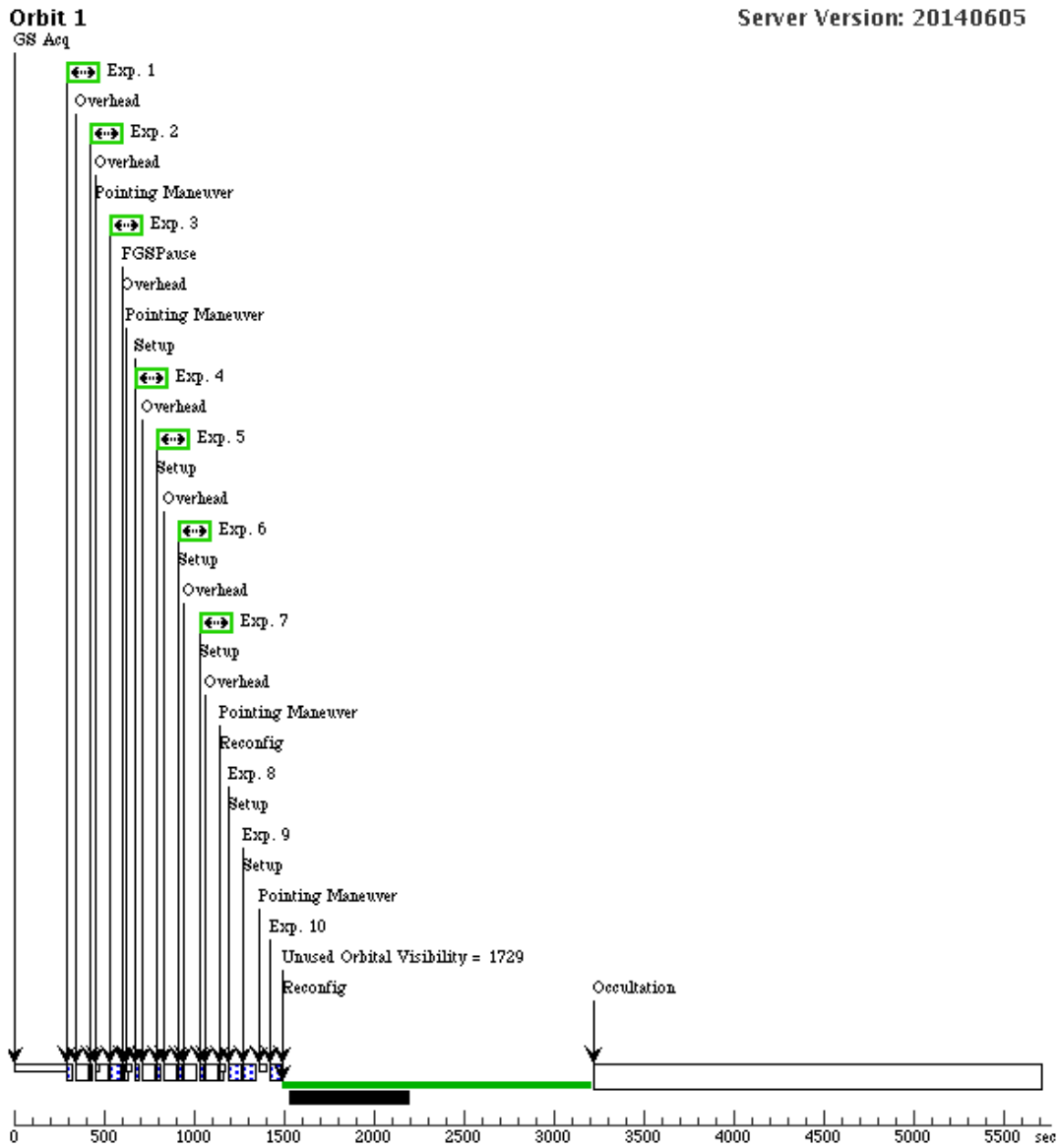
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(23) SZ-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(23) SZ-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(23) SZ-AQL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(23) SZ-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(23) SZ-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(23) SZ-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(23) SZ-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(23) SZ-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 23 - HST and Gaia, Light and Distance

9	(23) SZ-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(23) SZ-AQL	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 24 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 24, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(24)		RW-CAM	RA: 03 54 22.0080 (58.5917000d) Dec: +58 39 11.88 (58.65330d) Equinox: J2000		V=8.67+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 24 - HST and Gaia, Light and Distance

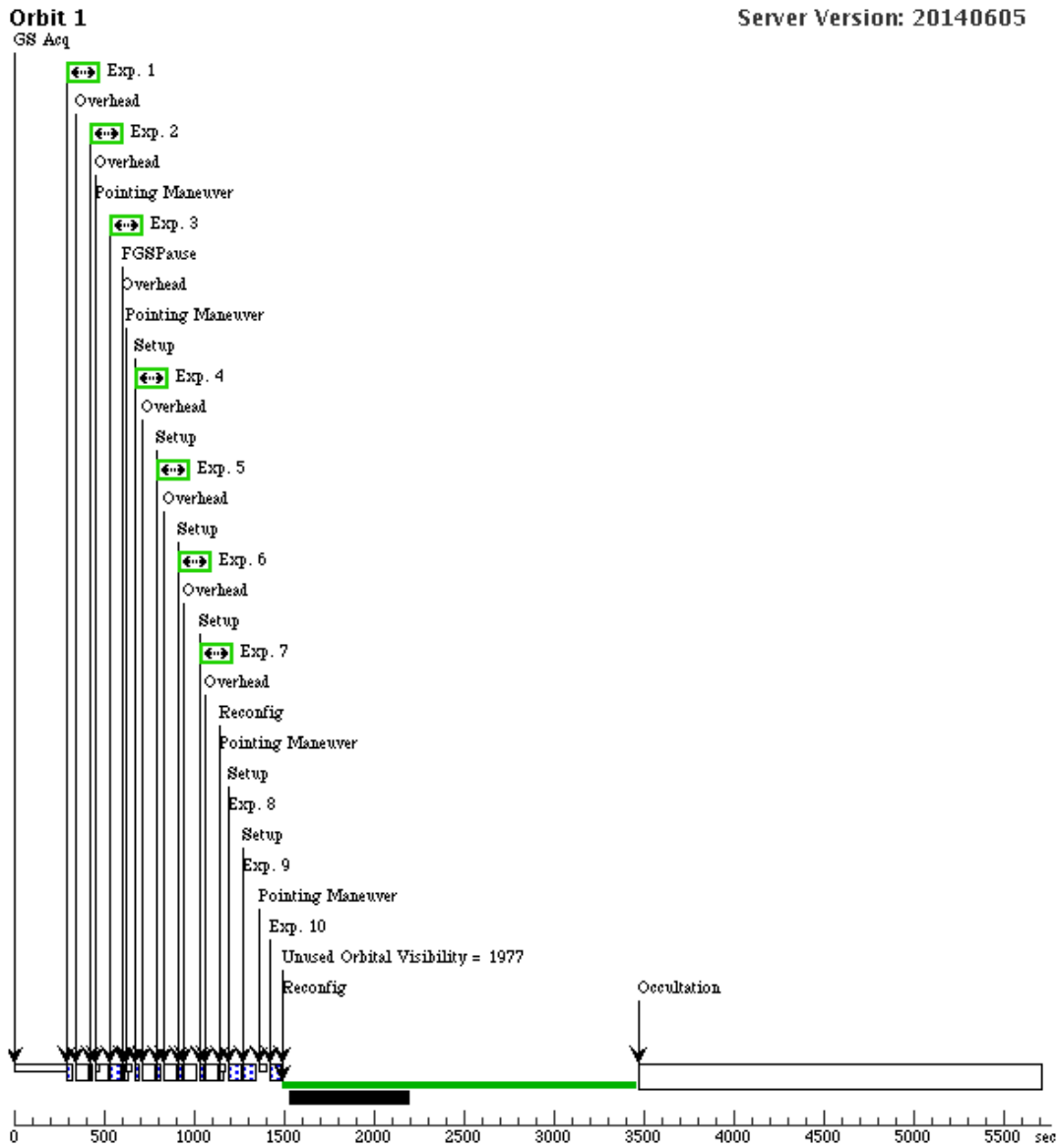
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(24) RW-CAM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(24) RW-CAM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(24) RW-CAM	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(24) RW-CAM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(24) RW-CAM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(24) RW-CAM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(24) RW-CAM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(24) RW-CAM	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 24 - HST and Gaia, Light and Distance

9	(24) RW-CAM	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(24) RW-CAM	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 29 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 29, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)																		
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(66)</td> <td>V-Y-SGR</td> <td> RA: 18 21 22.9864 (275.3457767d) Dec: -18 51 36.00 (-18.86000d) Equinox: J2000 </td> <td></td> <td>V=5.77</td> <td>Reference Frame: SIMBAD</td> </tr> <tr> <td colspan="6"> <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> </td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(66)	V-Y-SGR	RA: 18 21 22.9864 (275.3457767d) Dec: -18 51 36.00 (-18.86000d) Equinox: J2000		V=5.77	Reference Frame: SIMBAD	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous														
(66)	V-Y-SGR	RA: 18 21 22.9864 (275.3457767d) Dec: -18 51 36.00 (-18.86000d) Equinox: J2000		V=5.77	Reference Frame: SIMBAD														
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>																			

Proposal 13928 - Visit 29 - HST and Gaia, Light and Distance

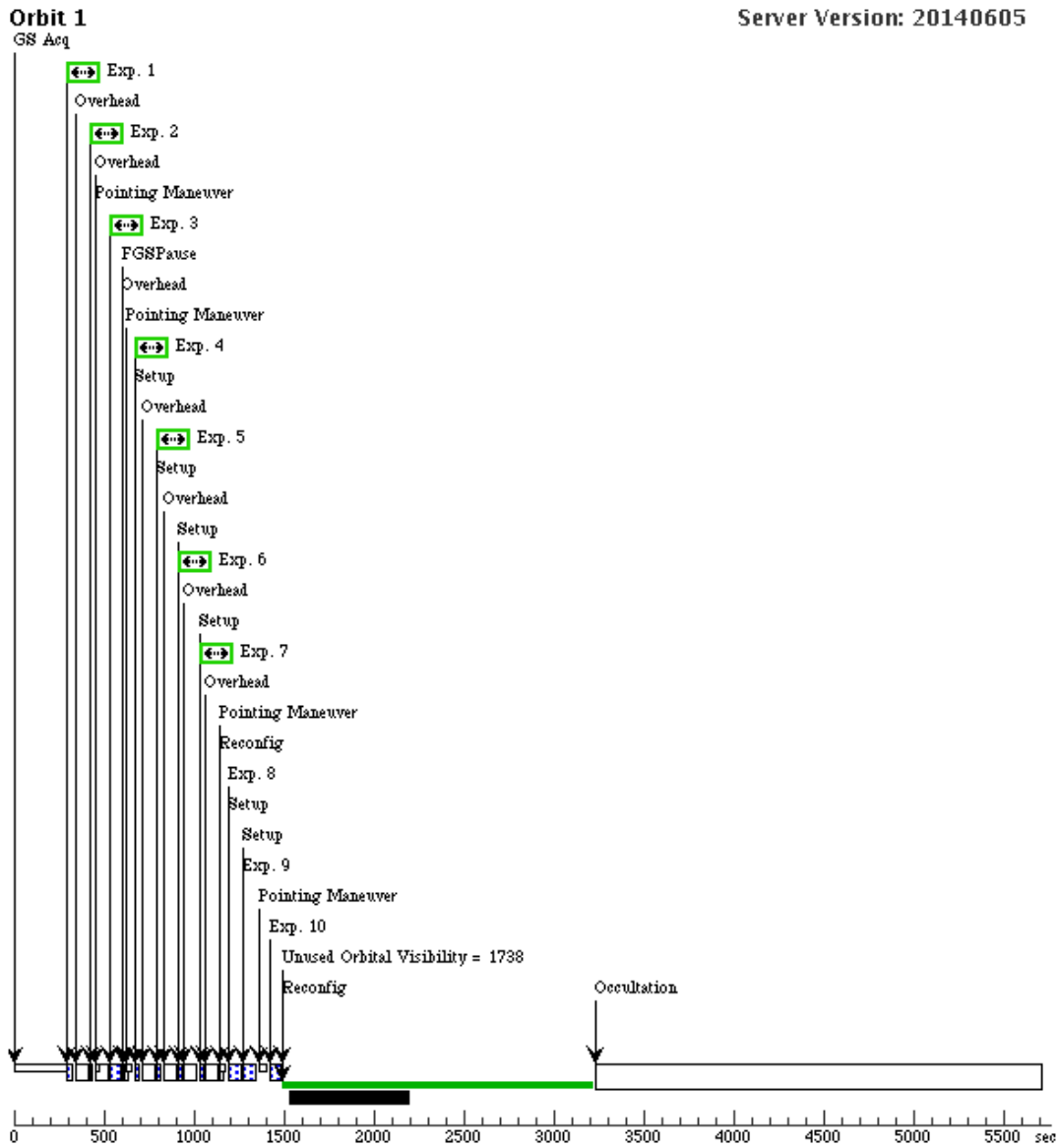
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(66) V-Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(66) V-Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(66) V-Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(66) V-Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(66) V-Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(66) V-Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(66) V-Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(66) V-Y-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 29 - HST and Gaia, Light and Distance

9	(66) V-Y-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(66) V-Y-SGR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 34 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 34, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(34)	WZ-CAR	RA: 10 55 19.0080 (163.8292000d) Dec: -60 56 24.00 (-60.94000d) Equinox: J2000		V=9.25+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 34 - HST and Gaia, Light and Distance

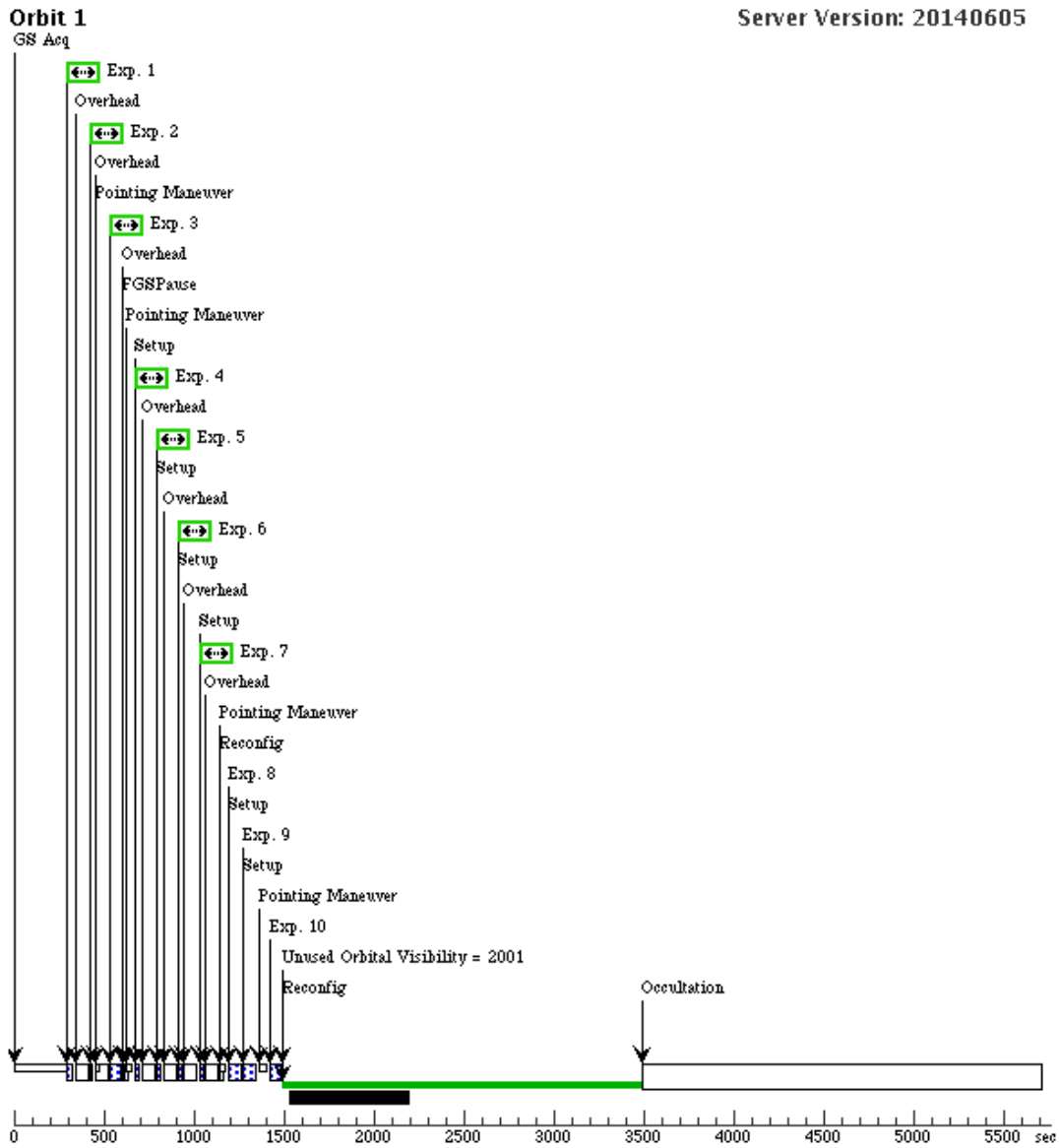
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(34) WZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(34) WZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(34) WZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(34) WZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(34) WZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(34) WZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(34) WZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(34) WZ-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 34 - HST and Gaia, Light and Distance

9	(34) WZ-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(34) WZ-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 36 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 36, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(36)	BK-AUR	RA: 05 10 40.0080 (77.6667000d) Dec: +49 41 17.88 (49.68830d) Equinox: J2000		V=9.43+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 36 - HST and Gaia, Light and Distance

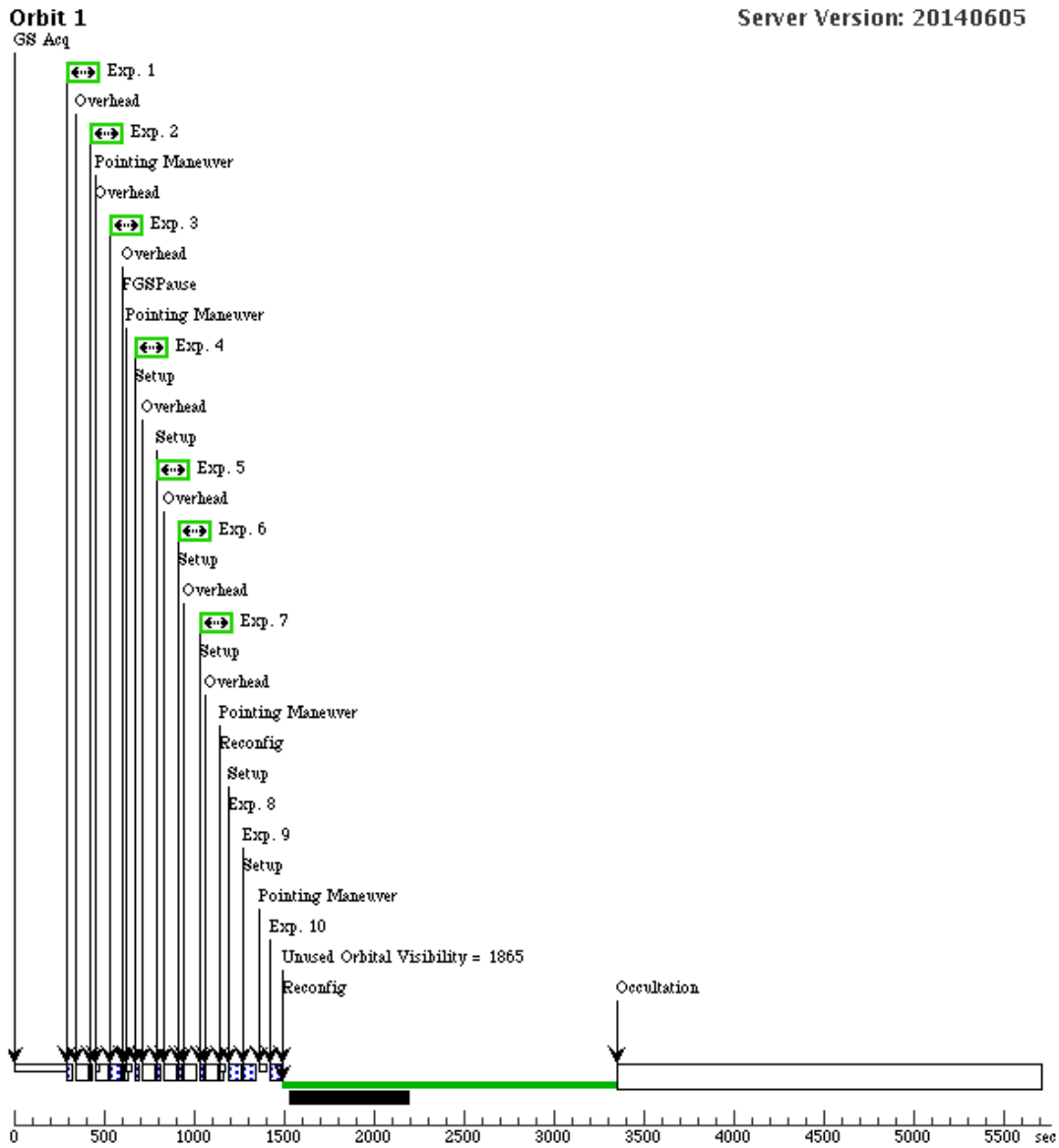
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(36) BK-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(36) BK-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(36) BK-AUR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(36) BK-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(36) BK-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(36) BK-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(36) BK-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(36) BK-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 36 - HST and Gaia, Light and Distance

9	(36) BK-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(36) BK-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 37 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 37, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(37)	SY-NOR	RA: 15 54 43.0080 (238.6792000d) Dec: -54 34 0.12 (-54.56670d) Equinox: J2000		V=9.5+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 37 - HST and Gaia, Light and Distance

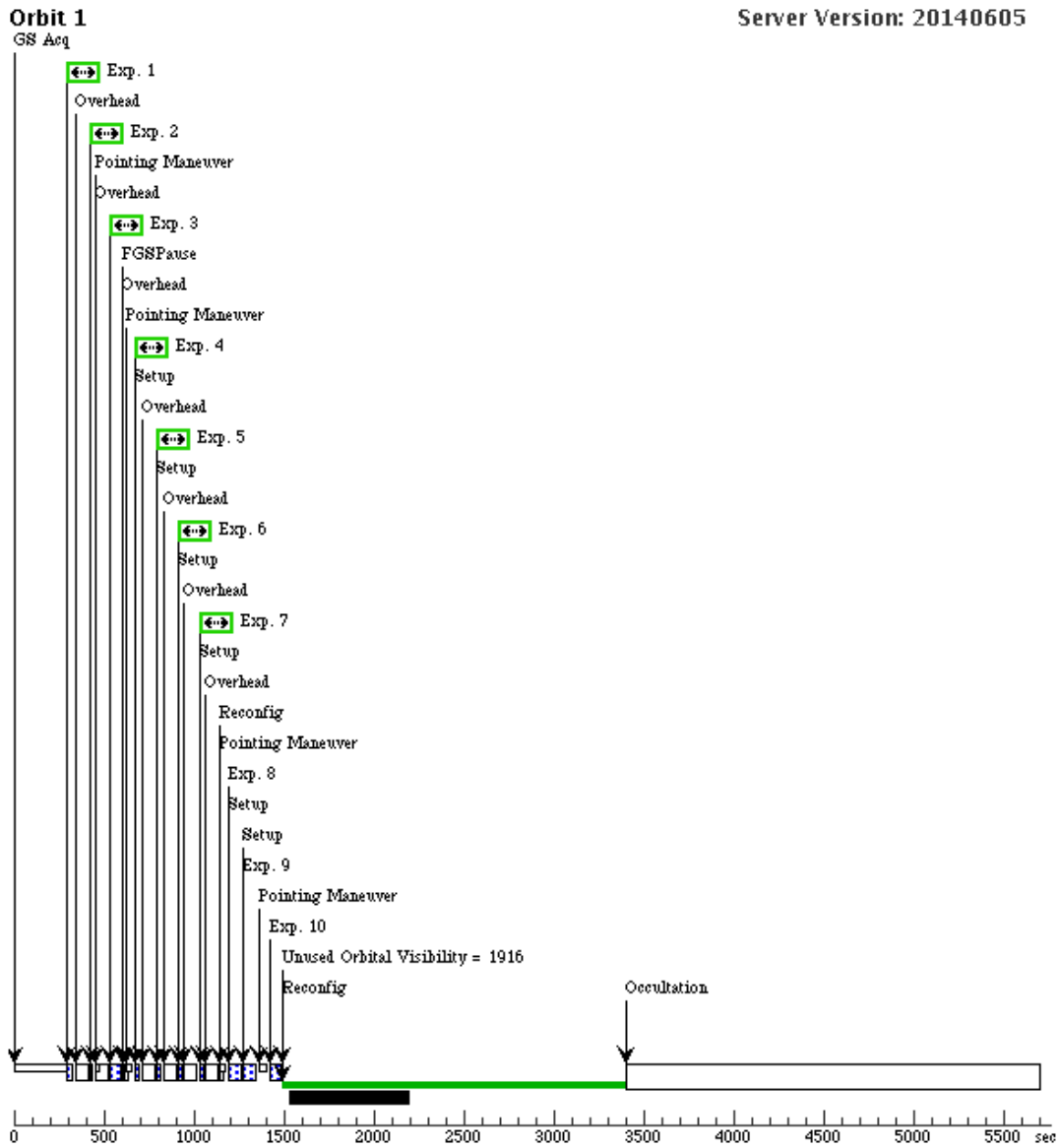
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(37) SY-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(37) SY-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(37) SY-NOR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(37) SY-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(37) SY-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(37) SY-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(37) SY-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(37) SY-NOR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 37 - HST and Gaia, Light and Distance

9	(37) SY-NOR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(37) SY-NOR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 40 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 40, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)												
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(40)</td> <td>Y-SCT</td> <td> RA: 18 38 3.0000 (279.5125000d) Dec: -08 22 5.88 (-8.36830d) Equinox: J2000 </td> <td></td> <td>V=9.62+/-0.5</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(40)	Y-SCT	RA: 18 38 3.0000 (279.5125000d) Dec: -08 22 5.88 (-8.36830d) Equinox: J2000		V=9.62+/-0.5
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(40)	Y-SCT	RA: 18 38 3.0000 (279.5125000d) Dec: -08 22 5.88 (-8.36830d) Equinox: J2000		V=9.62+/-0.5	Reference Frame: ICRS								

Proposal 13928 - Visit 40 - HST and Gaia, Light and Distance

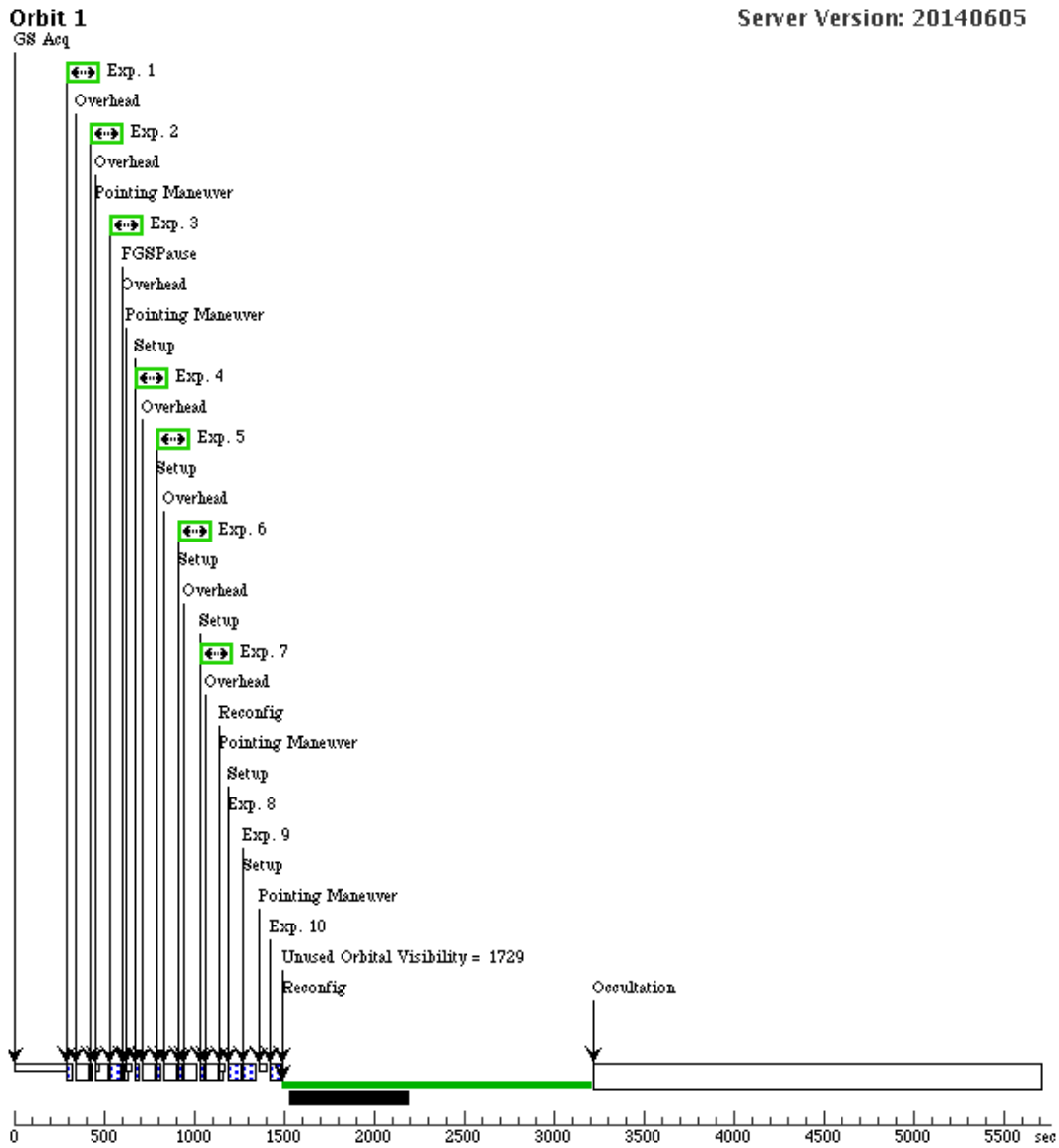
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(40) Y-SCT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(40) Y-SCT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(40) Y-SCT	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(40) Y-SCT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(40) Y-SCT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(40) Y-SCT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(40) Y-SCT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(40) Y-SCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 40 - HST and Gaia, Light and Distance

9	(40) Y-SCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(40) Y-SCT	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 41 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 41, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(41)	FR-CAR	RA: 11 14 21.0000 (168.5875000d) Dec: -60 03 11.88 (-60.05330d) Equinox: J2000		V=9.66+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 41 - HST and Gaia, Light and Distance

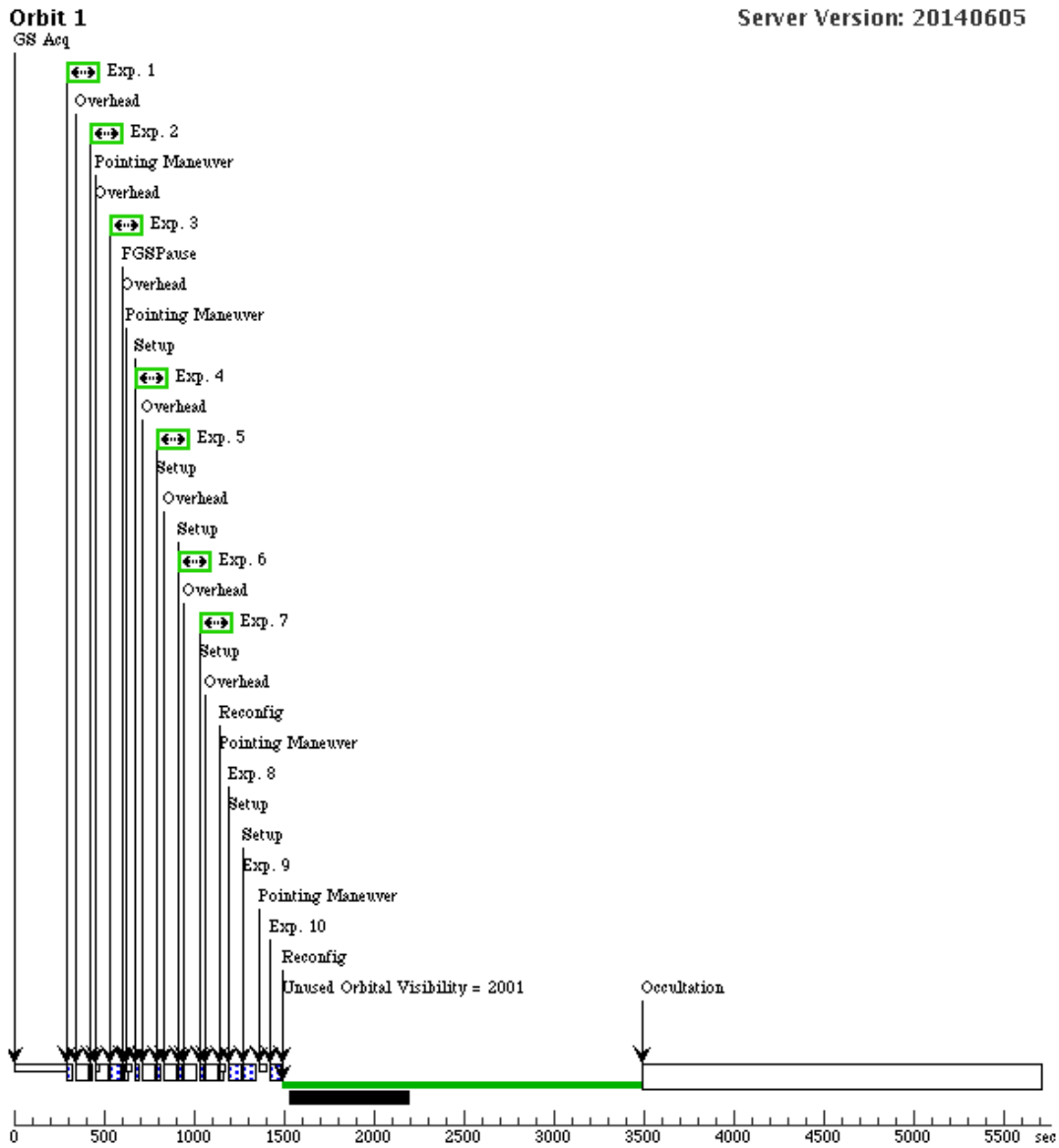
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(41) FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(41) FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(41) FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(41) FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(41) FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(41) FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(41) FR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(41) FR-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 41 - HST and Gaia, Light and Distance

9	(41) FR-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(41) FR-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 48 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 48, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(48)	AC-MON	RA: 07 01 0.0000 (105.2500000d) Dec: -08 42 29.88 (-8.70830d) Equinox: J2000		V=10.0+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 48 - HST and Gaia, Light and Distance

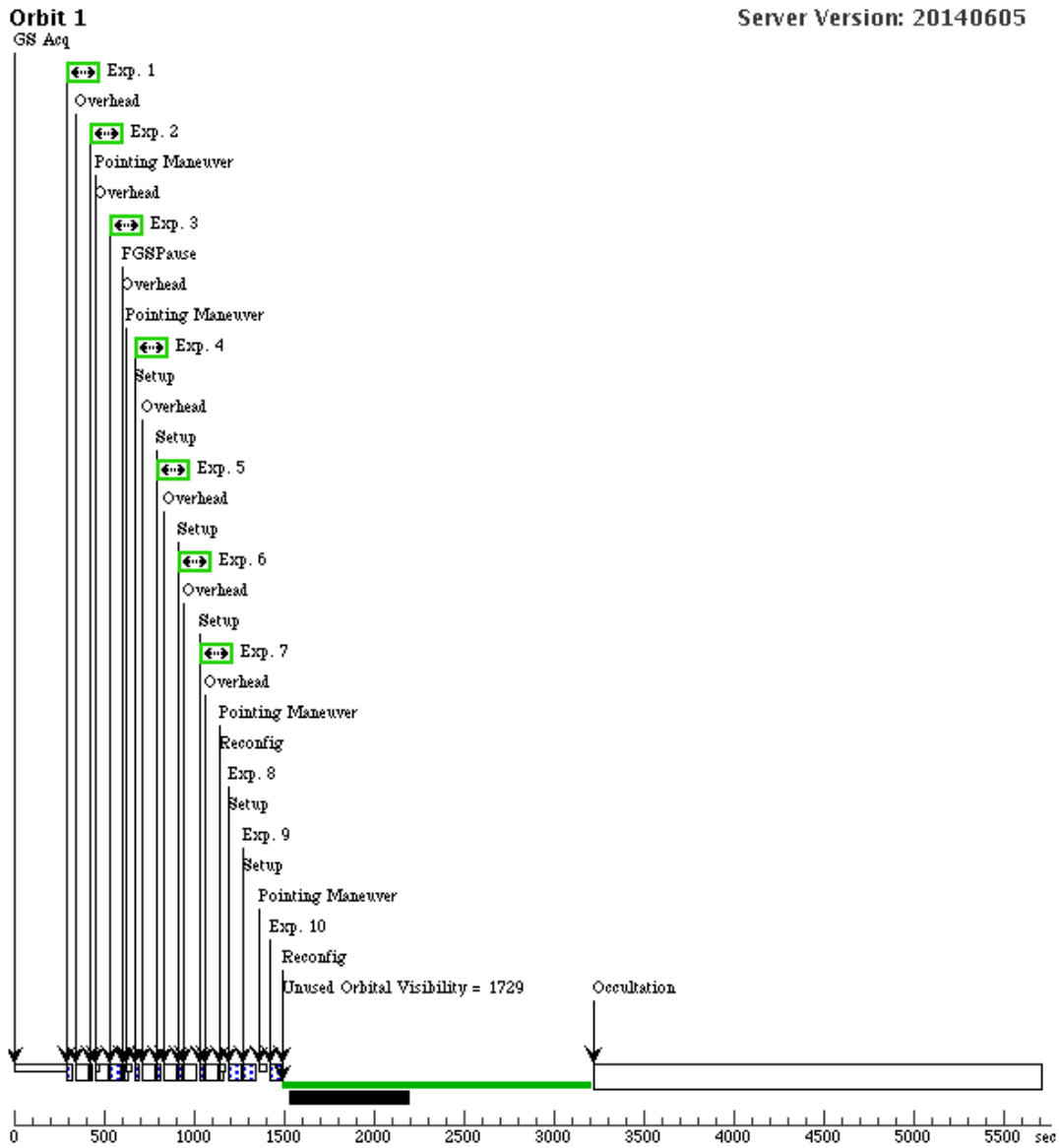
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(48) AC-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(48) AC-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(48) AC-MON	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(48) AC-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(48) AC-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(48) AC-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(48) AC-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(48) AC-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 48 - HST and Gaia, Light and Distance

9	(48) AC-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(48) AC-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 49 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 49, implementation Tue Sep 30 01:09:54 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(49)	V0340-ARA	RA: 16 45 19.0080 (251.3292000d) Dec: -51 20 35.88 (-51.34330d) Equinox: J2000		V=10.2+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 49 - HST and Gaia, Light and Distance

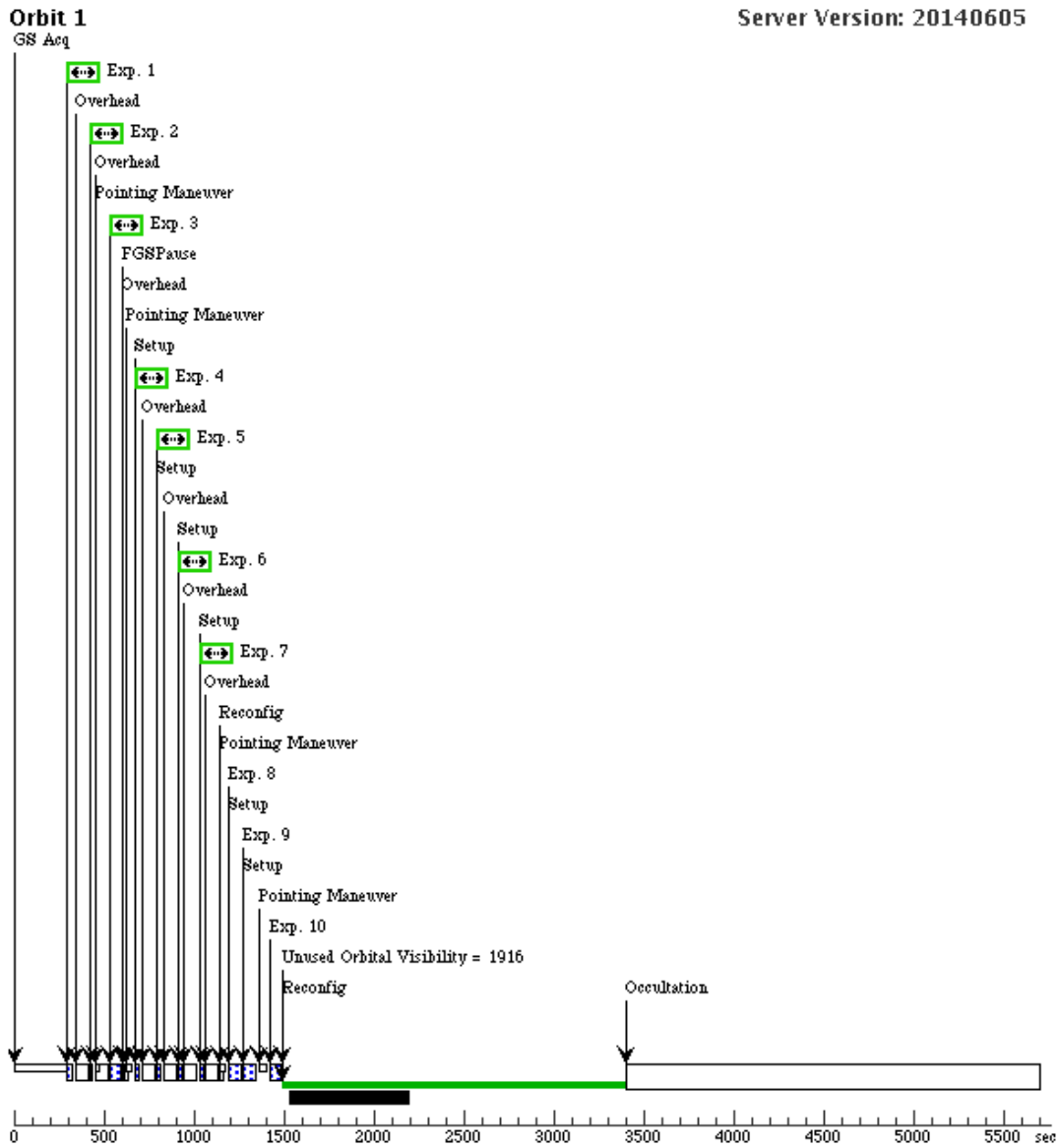
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(49) V0340-ARA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(49) V0340-ARA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(49) V0340-ARA	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(49) V0340-ARA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(49) V0340-ARA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(49) V0340-ARA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(49) V0340-ARA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(49) V0340-ARA	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 49 - HST and Gaia, Light and Distance

9	(49) V0340-ARA	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(49) V0340-ARA	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 51 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 51, implementation Tue Sep 30 01:09:55 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(51)	YZ-AUR	RA: 05 15 22.0080 (78.8417000d) Dec: +40 04 41.88 (40.07830d) Equinox: J2000		V=10.3+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 51 - HST and Gaia, Light and Distance

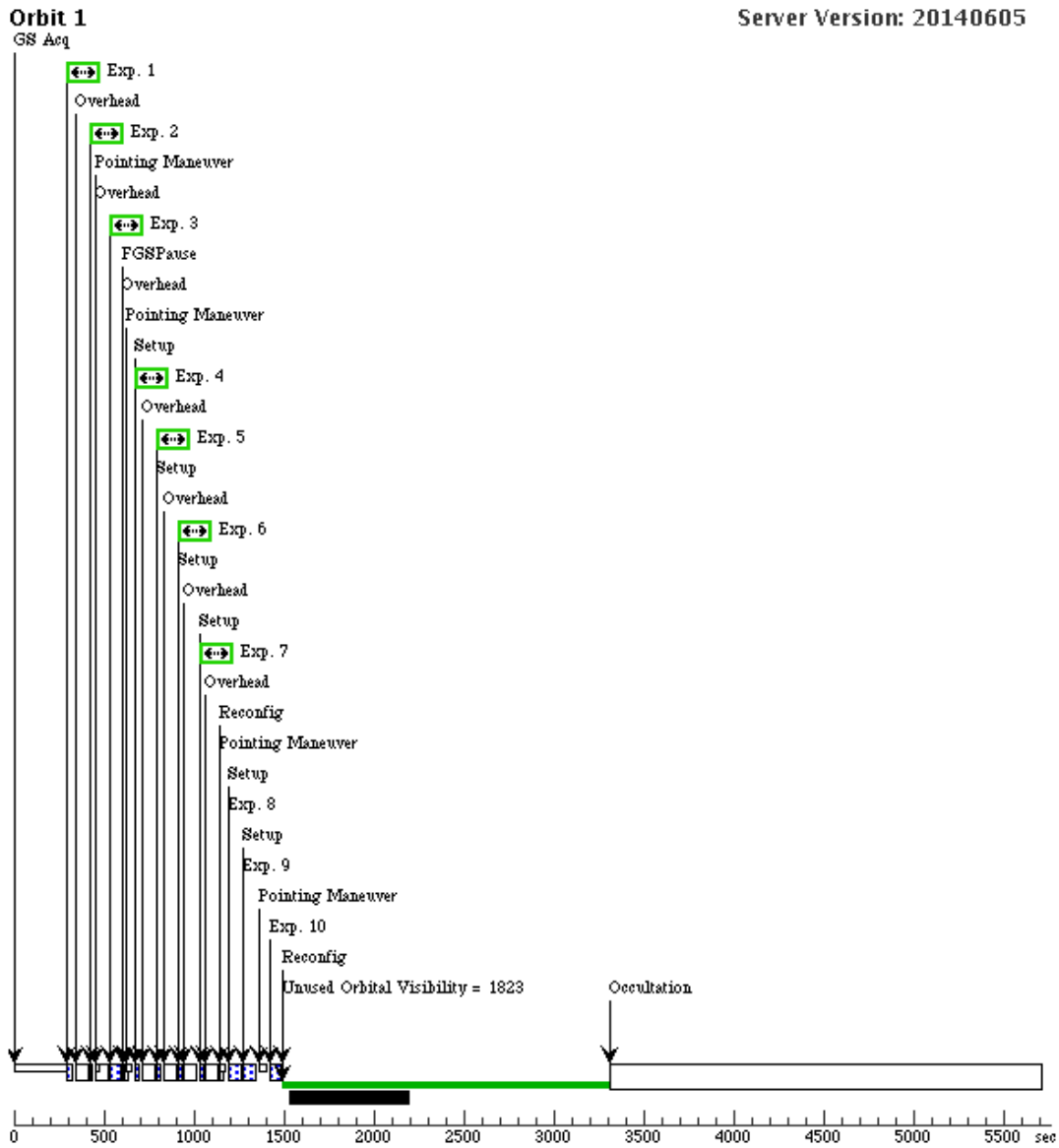
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(51) YZ-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(51) YZ-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(51) YZ-AUR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(51) YZ-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(51) YZ-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(51) YZ-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(51) YZ-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(51) YZ-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 51 - HST and Gaia, Light and Distance

9	(51) YZ-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(51) YZ-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 52 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 52, implementation Tue Sep 30 01:09:55 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(52)	AN-AUR	RA: 04 59 42.0000 (74.9250000d) Dec: +40 50 12.12 (40.83670d) Equinox: J2000		V=10.4+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 52 - HST and Gaia, Light and Distance

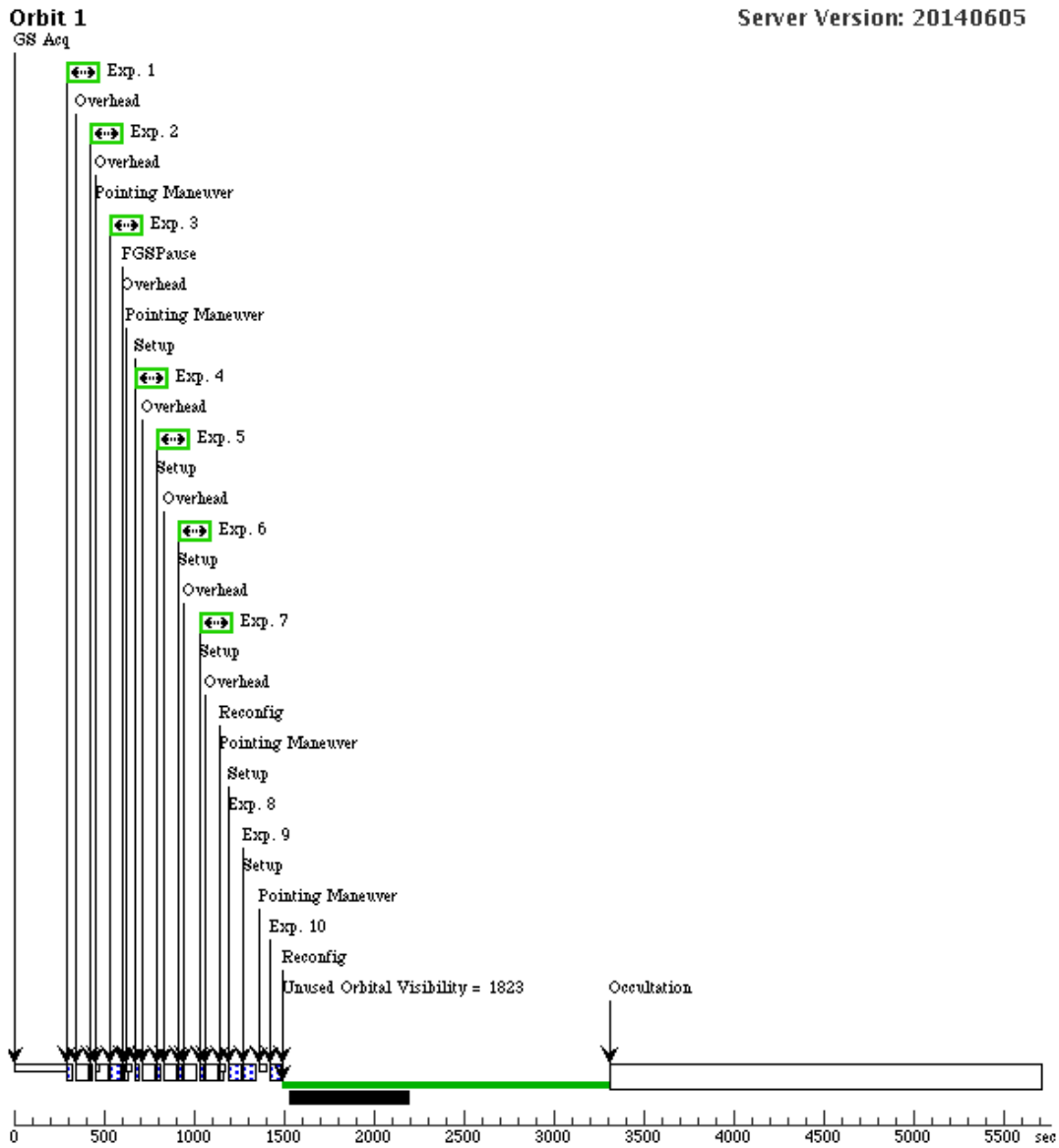
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(52) AN-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(52) AN-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(52) AN-AUR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(52) AN-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(52) AN-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(52) AN-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(52) AN-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(52) AN-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 52 - HST and Gaia, Light and Distance

9	(52) AN-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>							
10	(52) AN-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>							

Orbit Structure



Proposal 13928 - Visit 54 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 54, implementation Tue Sep 30 01:09:55 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(54)	FO-CAR	RA: 11 01 24.0000 (165.3500000d) Dec: -62 16 48.00 (-62.28000d) Equinox: J2000		V=10.7+/-0.5	Reference Frame: ICRS

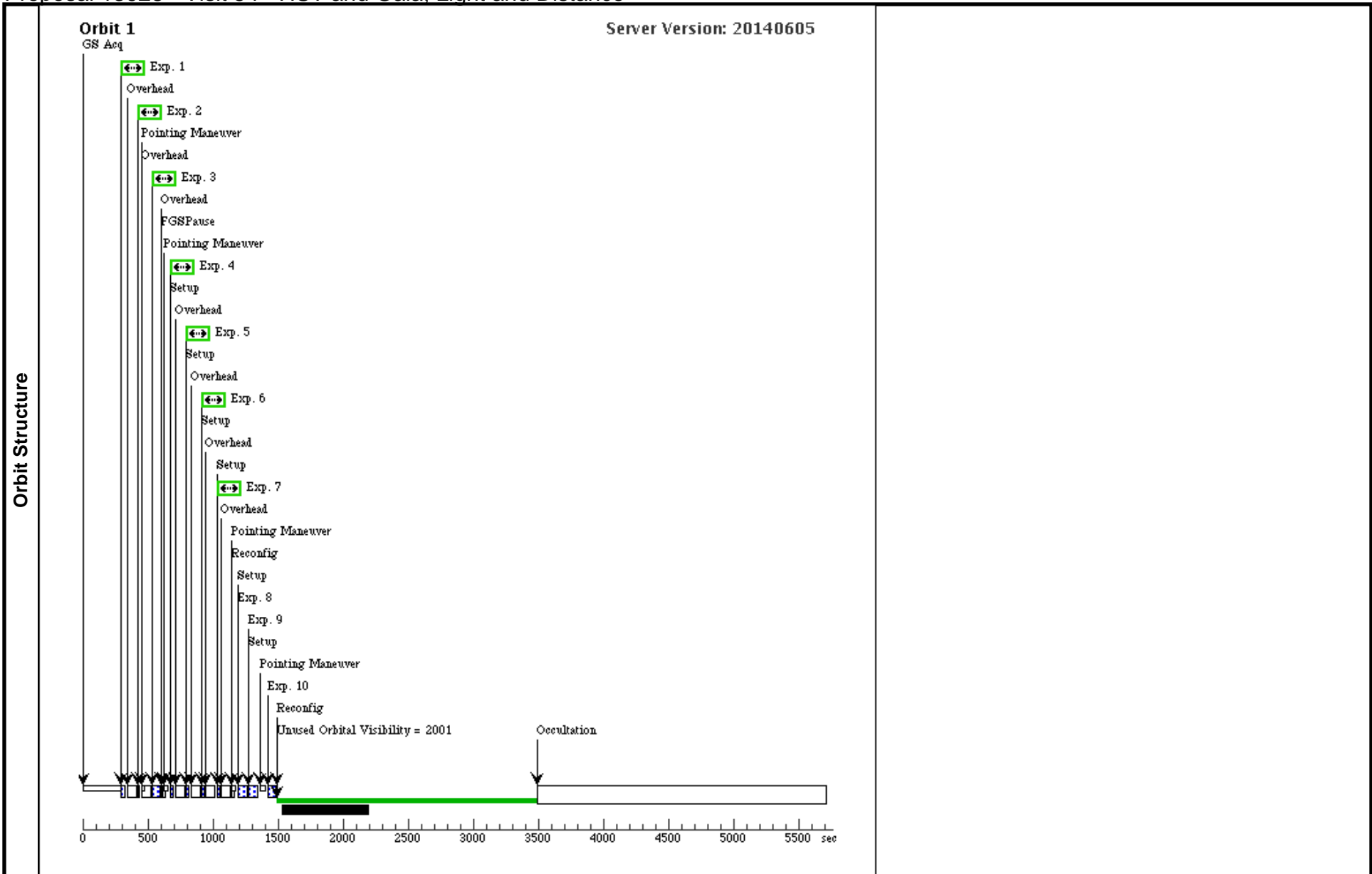
Proposal 13928 - Visit 54 - HST and Gaia, Light and Distance

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(54) FO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(54) FO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(54) FO-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(54) FO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(54) FO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(54) FO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(54) FO-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(54) FO-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 54 - HST and Gaia, Light and Distance

9	(54) FO-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(54) FO-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								



Proposal 13928 - Visit 55 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 55, implementation Tue Sep 30 01:09:55 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)												
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(55)</td> <td>TX-MON</td> <td> RA: 06 50 52.0080 (102.7167000d) Dec: -01 25 48.00 (-1.43000d) Equinox: J2000 </td> <td></td> <td>V=10.9+/-0.5</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(55)	TX-MON	RA: 06 50 52.0080 (102.7167000d) Dec: -01 25 48.00 (-1.43000d) Equinox: J2000		V=10.9+/-0.5
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(55)	TX-MON	RA: 06 50 52.0080 (102.7167000d) Dec: -01 25 48.00 (-1.43000d) Equinox: J2000		V=10.9+/-0.5	Reference Frame: ICRS								

Proposal 13928 - Visit 55 - HST and Gaia, Light and Distance

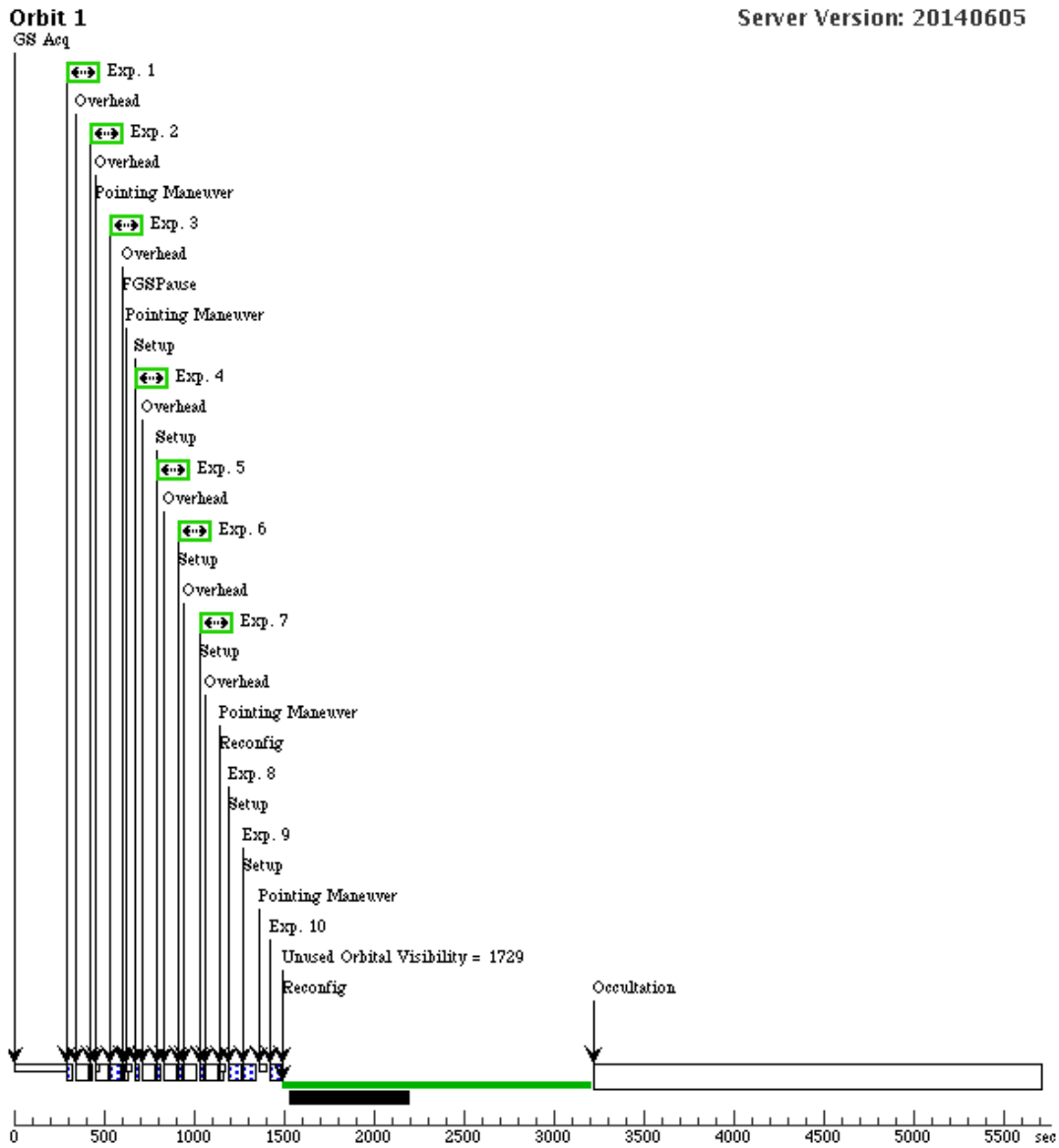
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(55) TX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(55) TX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(55) TX-MON	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(55) TX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(55) TX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(55) TX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(55) TX-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(55) TX-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 55 - HST and Gaia, Light and Distance

9	(55) TX-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(55) TX-MON	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 56 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 56, implementation Tue Sep 30 01:09:55 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(56)		EZ-CYG	RA: 19 57 49.0080 (299.4542000d) Dec: +30 15 54.00 (30.26500d) Equinox: J2000		V=11.0+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 56 - HST and Gaia, Light and Distance

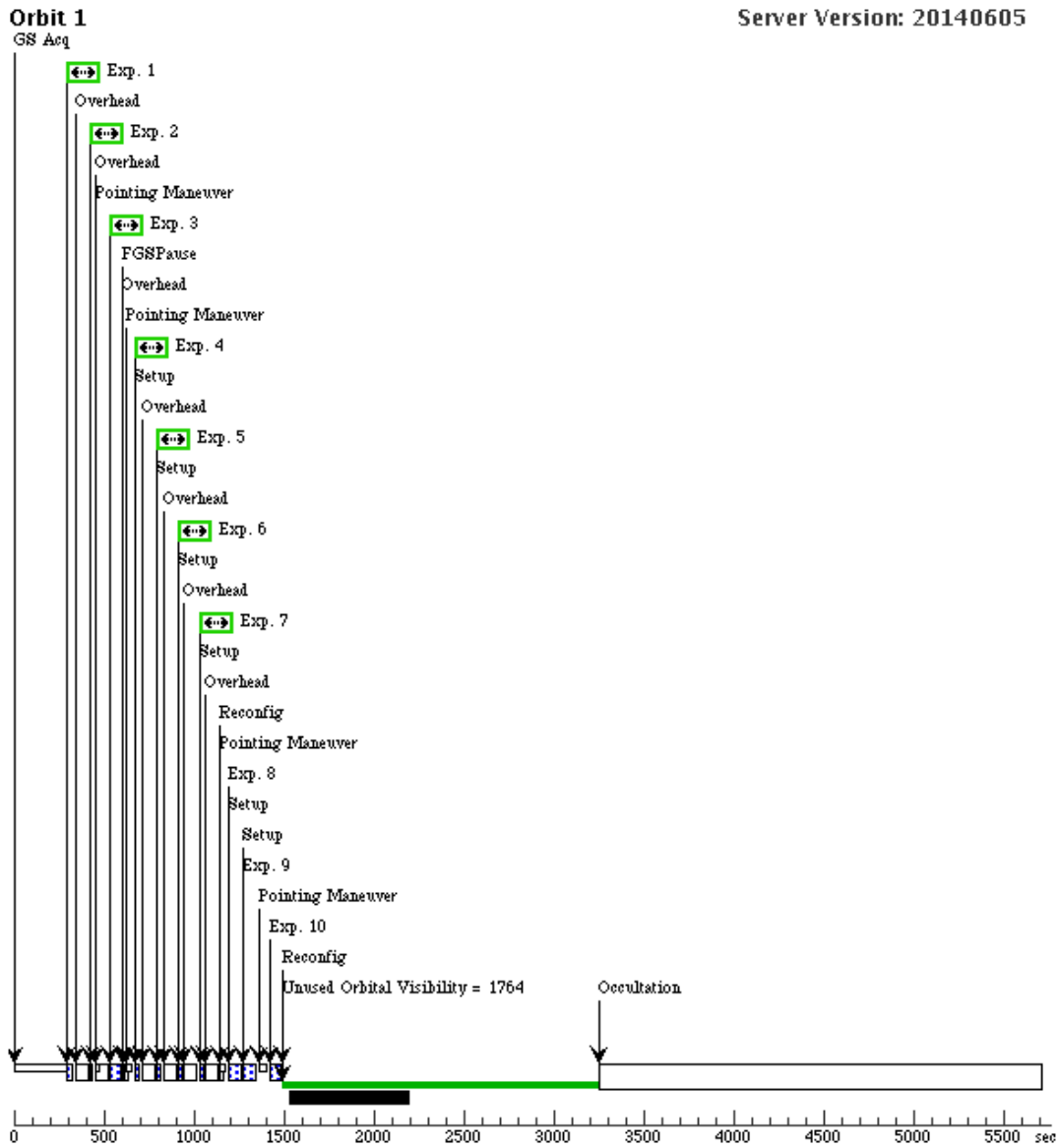
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(56) EZ-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(56) EZ-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(56) EZ-CYG	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(56) EZ-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(56) EZ-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(56) EZ-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(56) EZ-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(56) EZ-CYG	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 56 - HST and Gaia, Light and Distance

9	(56) EZ-CYG	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(56) EZ-CYG	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 58 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 58, implementation Tue Sep 30 01:09:55 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(58)	CR-CAR	RA: 10 32 55.0080 (158.2292000d) Dec: -58 31 18.12 (-58.52170d) Equinox: J2000		V=11.5+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 58 - HST and Gaia, Light and Distance

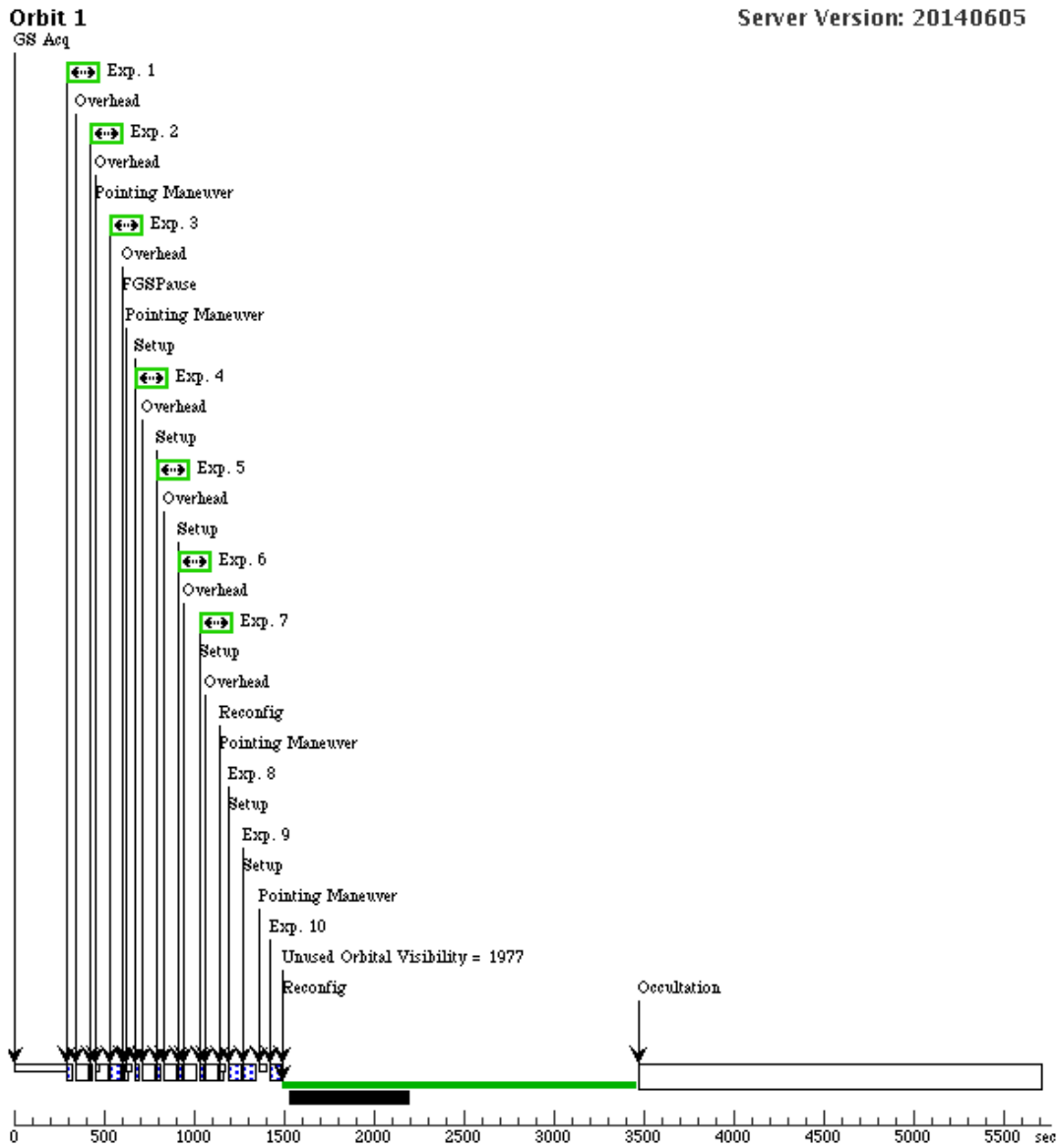
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(58) CR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(58) CR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(58) CR-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(58) CR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(58) CR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(58) CR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(58) CR-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(58) CR-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 58 - HST and Gaia, Light and Distance

9	(58) CR-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(58) CR-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure



Proposal 13928 - Visit 59 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 59, implementation Tue Sep 30 01:09:55 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)												
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(59)</td> <td>FI-CAR</td> <td> RA: 10 51 1.9920 (162.7583000d) Dec: -58 35 24.00 (-58.59000d) Equinox: J2000 </td> <td></td> <td>V=11.6+/-0.5</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(59)	FI-CAR	RA: 10 51 1.9920 (162.7583000d) Dec: -58 35 24.00 (-58.59000d) Equinox: J2000		V=11.6+/-0.5
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(59)	FI-CAR	RA: 10 51 1.9920 (162.7583000d) Dec: -58 35 24.00 (-58.59000d) Equinox: J2000		V=11.6+/-0.5	Reference Frame: ICRS								

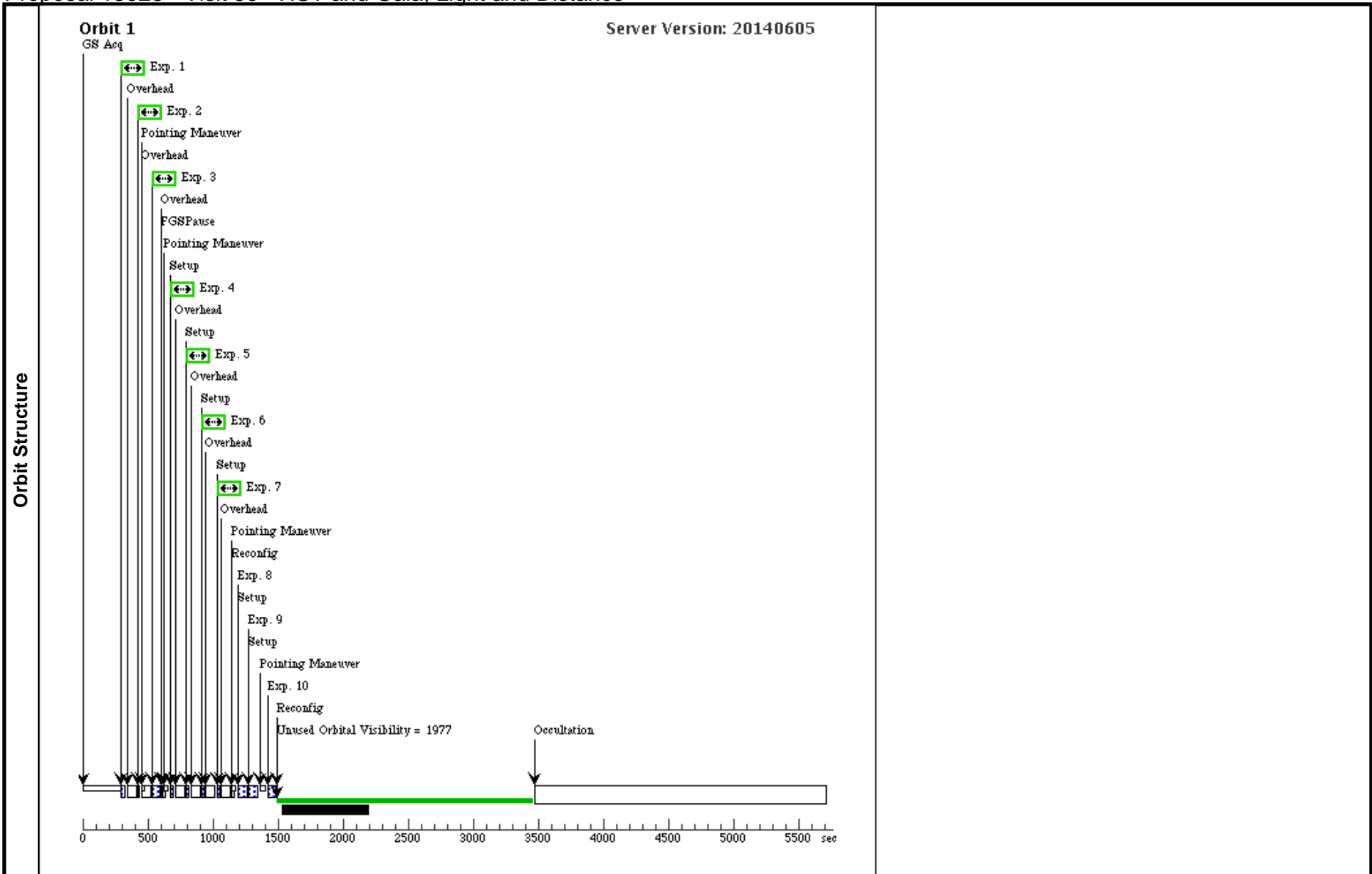
Proposal 13928 - Visit 59 - HST and Gaia, Light and Distance

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(59) FI-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(59) FI-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(59) FI-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(59) FI-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(59) FI-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(59) FI-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(59) FI-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(59) FI-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 59 - HST and Gaia, Light and Distance

9	(59) FI-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(59) FI-CAR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								



Proposal 13928 - Visit 60 - HST and Gaia, Light and Distance

Visit	Proposal 13928, Visit 60, implementation Tue Sep 30 01:09:55 GMT 2014 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(60)	CY-AUR	RA: 04 57 40.0080 (74.4167000d) Dec: +46 05 35.88 (46.09330d) Equinox: J2000		V=11.8+/-0.5	Reference Frame: ICRS

Proposal 13928 - Visit 60 - HST and Gaia, Light and Distance

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(60) CY-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
2		(60) CY-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10			3 Secs (3 Secs) [==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>									
3		(60) CY-AUR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	FLASH=10			60 Secs (60 Secs) [==>]	[1]
<i>Comments: "Deep" to look in close for binary companion</i>									
4		(60) CY-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
5		(60) CY-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame, reverse</i>									
6		(60) CY-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Forw ard; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame</i>									
7		(60) CY-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F814W	FLASH=10	POS TARG 0,-18; SPATIAL SCAN 7.5 .90.05 Degrees,Reve rse; EXP PCS MODE G YRO		3 Secs (3 Secs) [==>]	[1]
<i>Comments: scan, keep Cepheid within frame,reverse</i>									
8		(60) CY-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 .90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		20.526037 Secs (20.526 Secs) [==>]	[1]
<i>Comments: IR scan, Cepheid moves across field</i>									

Exposures

Proposal 13928 - Visit 60 - HST and Gaia, Light and Distance

9	(60) CY-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 0,-70; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	20.526037 Secs (20.526 Secs)	[==>]	[1]
<i>Comments: IR scan, Cepheid moves across field, reverse</i>								
10	(60) CY-AUR	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=10	EXP PCS MODE G YRO	29.32291 Secs (29.323 Secs)	[==>]	[1]
<i>Comments: Direct image to compare to amplitude of scan for zeropoint</i>								

Orbit Structure

