



12441 - FGS Science During NSSC-1 Flight Software Upgrade

Cycle: 18, Proposal Category: GO/DD

(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) HD93129A (16) HD93129A-REF1 (17) HD93129A-REF2 (18) HD93129A-REF3 (19) HD93129A-REF4 (20) HD93129A-REF5 (21) HD93129A-REF6 (22) HD93129A-REF7 (23) HD93129A-REF8 (29) HD93129A0	FGS	1	10-Feb-2011 21:02:59.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
02	(2) HD47839 (5) HD47839-REF2 (6) HD47839-REF3 (7) HD47839-REF4 (8) HD47839-REF6 (9) HD47839-REF8 (10) HD47839-REF10 (11) HD47839-REF11 (12) HD47839-REF13 (13) HD47839-REF14 (14) HD47839-REF15	FGS	1	10-Feb-2011 21:03:09.0	yes
03	(3) HD38666	FGS	1	10-Feb-2011 21:03:13.0	yes
04	(4) HD140283 (24) HD140283-REF1 (25) HD140283-REF2 (26) HD140283-REF3 (27) HD140283-REF4 (28) HD140283-REF5	FGS	1	10-Feb-2011 21:03:20.0	yes
05	(4) HD140283 (24) HD140283-REF1 (25) HD140283-REF2 (26) HD140283-REF3 (27) HD140283-REF4 (28) HD140283-REF5	FGS	1	10-Feb-2011 21:03:31.0	yes

5 Total Orbits Used

ABSTRACT

In early March the HST NSSC-1 computer's flight software will be upgraded. For a period of several hours the only HST instrument available for scientific observations will be FGS1r. We propose making excellent use of otherwise idle HST time by observing two O-star binary systems, HD 93129A & 15 Mon, to determine the relative masses of the components, and obtaining a late-epoch astrometric visit to the metal poor subgiant HD

140283 for a more accurate parallax and age determination. For each object, the data will be combined with previous FGS observations and will significantly increase the temporal baseline, and hence accuracy, over which the astrometric measurements are made.

OBSERVING DESCRIPTION

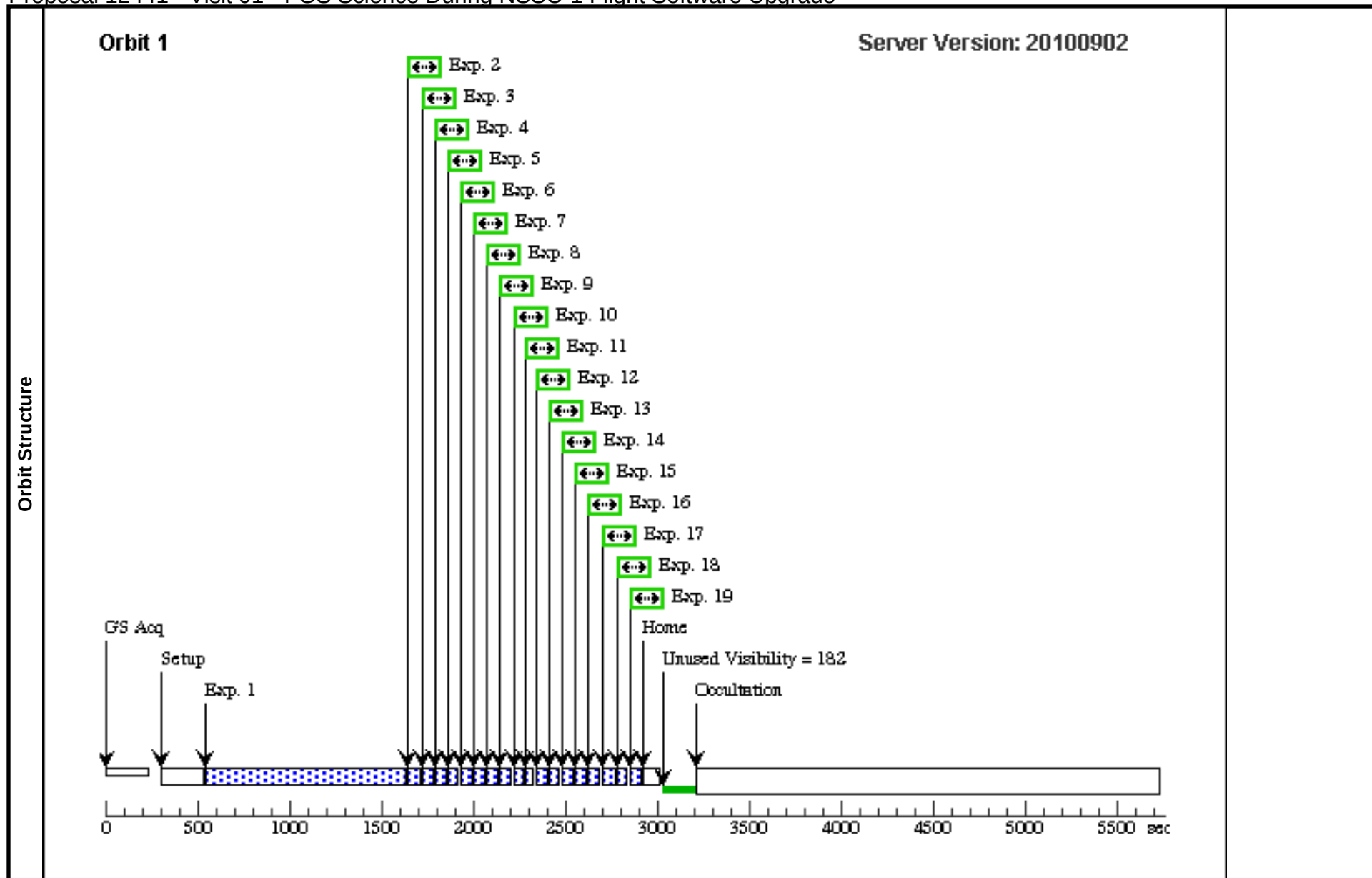
FGSr1 is used in Transfer mode to observe HD 93129A, HD 47839, and HD 38666. Multiple scans are obtained with the F5ND attenuator in place. In addition, POS mode exposures are obtained for the binary stars HD 923129A and HD 47839, along with nearby reference stars in each of the fields. The HD 140283 observations include only POS mode exposures of HD 140283 and field stars.

Proposal 12441 - Visit 01 - FGS Science During NSSC-1 Flight Software Upgrade

Visit	Proposal 12441, Visit 01, implementation					Fri Feb 11 02:03:36 GMT 2011
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: FGS					
	Special Requirements: SCHED 70%; ORIENT 13.5D TO 14.5 D; BETWEEN 08-MAR-2011:00:00:00 AND 10-MAR-2011:00:00:00					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	HD93129A	RA: 10 43 57.5000 (160.9895833d) Dec: -59 32 53.00 (-59.54806d) Equinox: J2000		V=7.3+/-0.1	Reference Frame: ICRS
	(16)	HD93129A-REF1	RA: 10 43 57.3000 (160.9887500d) Dec: -59 32 8.40 (-59.53567d) Equinox: J2000		V=12.8+/-0.2	Reference Frame: ICRS
	(17)	HD93129A-REF2	RA: 10 43 56.2600 (160.9844167d) Dec: -59 32 28.20 (-59.54117d) Equinox: J2000		V=13.34+/-0.1	Reference Frame: ICRS
	(18)	HD93129A-REF3	RA: 10 44 2.7800 (161.0115833d) Dec: -59 32 28.80 (-59.54133d) Equinox: J2000		V=12.59+/-0.2	Reference Frame: ICRS
	(19)	HD93129A-REF4	RA: 10 44 3.8500 (161.0160417d) Dec: -59 33 10.90 (-59.55303d) Equinox: J2000		V=13.21+/-0.1	Reference Frame: ICRS
	(20)	HD93129A-REF5	RA: 10 43 59.1200 (160.9963333d) Dec: -59 33 20.10 (-59.55558d) Equinox: J2000		V=12.71+/-0.1	Reference Frame: ICRS
	(21)	HD93129A-REF6	RA: 10 43 57.6600 (160.9902500d) Dec: -59 33 38.80 (-59.56078d) Equinox: J2000		V=12.34+/-0.1	Reference Frame: ICRS
	(22)	HD93129A-REF7	RA: 10 43 53.7000 (160.9737500d) Dec: -59 33 28.70 (-59.55797d) Equinox: J2000		V=12.42+/-0.1	Reference Frame: ICRS
	(23)	HD93129A-REF8	RA: 10 43 46.6900 (160.9445417d) Dec: -59 32 54.50 (-59.54847d) Equinox: J2000		V=9.5+/-0.2	Reference Frame: ICRS
	(29)	HD93129A0	RA: 10 43 57.5000 (160.9895833d) Dec: -59 32 53.00 (-59.54806d) Equinox: J2000		V=10.3+/-0.1	Reference Frame: ICRS
	Comments: This is HD 93129A, but with a faked magnitude (10.3) which will cause the K1x, K1y POS mode acquisition parameters to take on values appropriate for acquiring this resolved binary star (which has reduced fringe amplitudes due to it binary nature). However, the exposures have the optional parameter FESTIME= 0.025 seconds, as it should be.					

Proposal 12441 - Visit 01 - FGS Science During NSSC-1 Flight Software Upgrade

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures	1		(1) HD93129A	FGS, TRANS, 1	F5ND	SCANS=9; STEP-SIZE=0.5	GS ACQ SCENARI O ONEB1B3	Sequence 1-19 Non-I nt in Visit 01	900 Secs		[1]
									[==>]		
	2		(29) HD93129A0	FGS, POS, 1	F5ND	FES-TIME=0.025	SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	3		(16) HD93129A-RE F1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	4		(17) HD93129A-RE F2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	5		(18) HD93129A-RE F3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8 Secs		[1]
									[==>]		
	6		(19) HD93129A-RE F4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	7		(16) HD93129A-RE F1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	8		(29) HD93129A0	FGS, POS, 1	F5ND	FES-TIME=0.025	SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	9		(23) HD93129A-RE F8	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	10		(22) HD93129A-RE F7	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	11		(21) HD93129A-RE F6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	12		(19) HD93129A-RE F4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	13		(20) HD93129A-RE F5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	14		(29) HD93129A0	FGS, POS, 1	F5ND	FES-TIME=0.025	SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	15		(16) HD93129A-RE F1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	16		(19) HD93129A-RE F4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	17		(17) HD93129A-RE F2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	18		(18) HD93129A-RE F3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		
	19		(29) HD93129A0	FGS, POS, 1	F5ND	FES-TIME=0.025	SAME POS AS 1	Sequence 1-19 Non-I nt in Visit 01	8.0 Secs		[1]
									[==>]		

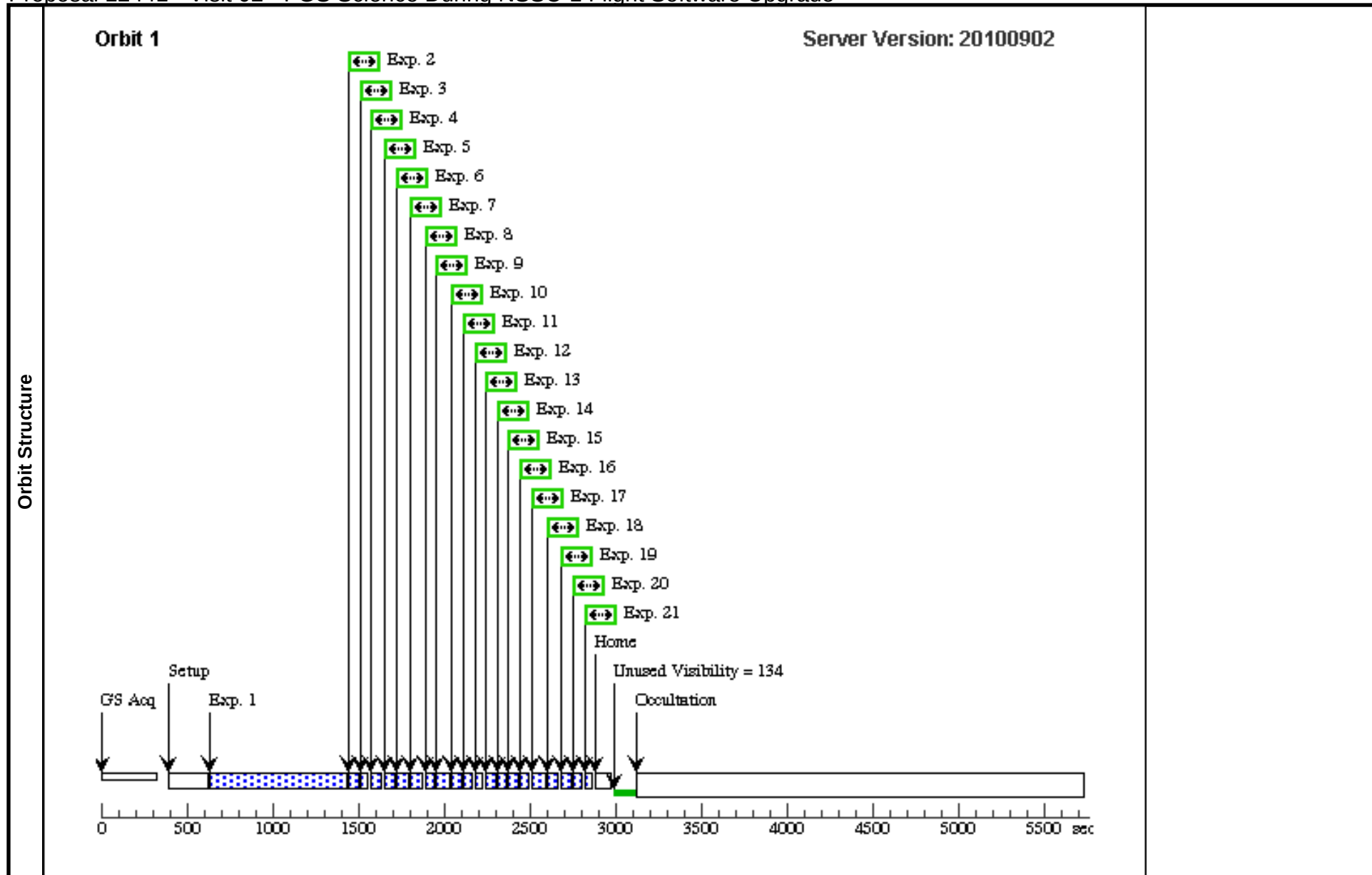


Proposal 12441 - Visit 02 - FGS Science During NSSC-1 Flight Software Upgrade

Visit	Proposal 12441, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: SCHED 70%; ORIENT 105.0D TO 106 D; BETWEEN 08-MAR-2011:00:00:00 AND 10-MAR-2011:00:00:00					Fri Feb 11 02:03:38 GMT 2011	
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	
Fixed Targets	(2)	HD47839	RA: 06 40 58.6670 (100.2444458d) Dec: +09 53 44.71 (9.89575d) Equinox: J2000		V=4.65+/-0.1	Reference Frame: ICRS	
	(5)	HD47839-REF2	RA: 06 41 16.4700 (100.3186250d) Dec: +09 52 13.80 (9.87050d) Equinox: J2000		V=12.65+/-0.1	Reference Frame: ICRS	
	(6)	HD47839-REF3	RA: 06 40 41.3100 (100.1721250d) Dec: +09 54 14.58 (9.90405d) Equinox: J2000		V=13.56+/-0.1	Reference Frame: ICRS	
	(7)	HD47839-REF4	RA: 06 41 12.5400 (100.3022500d) Dec: +09 52 31.91 (9.87553d) Equinox: J2000		V=13.74+/-0.1	Reference Frame: ICRS	
	(8)	HD47839-REF6	RA: 06 40 49.4900 (100.2062083d) Dec: +09 53 23.42 (9.88984d) Equinox: J2000		V=11.38+/-0.1	Reference Frame: ICRS	
	(9)	HD47839-REF8	RA: 06 41 4.5300 (100.2688750d) Dec: +09 54 44.21 (9.91228d) Equinox: J2000		V=10.36+/-0.1	Reference Frame: ICRS	
	(10)	HD47839-REF10	RA: 06 40 59.2900 (100.2470417d) Dec: +09 55 20.60 (9.92239d) Equinox: J2000		V=12.4+/-0.1	Reference Frame: ICRS	
	(11)	HD47839-REF11	RA: 06 41 0.0000 (100.2500000d) Dec: +09 52 18.16 (9.87171d) Equinox: J2000		V=9.88+/-0.1	Reference Frame: ICRS	
	(12)	HD47839-REF13	RA: 06 41 11.2000 (100.2966667d) Dec: +09 52 54.00 (9.88167d) Equinox: J2000		V=10.0+/-0.1	Reference Frame: ICRS	
	(13)	HD47839-REF14	RA: 06 41 10.2000 (100.2925000d) Dec: +09 53 2.00 (9.88389d) Equinox: J2000		V=9.3+/-0.1	Reference Frame: ICRS	
	(14)	HD47839-REF15	RA: 06 40 56.4000 (100.2350000d) Dec: +09 54 7.50 (9.90208d) Equinox: J2000		V=12.4+/-0.1	Reference Frame: ICRS	

Proposal 12441 - Visit 02 - FGS Science During NSSC-1 Flight Software Upgrade

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) HD47839	FGS, TRANS, 1	F5ND	SCANS=10; STEP-SIZE=0.5		Sequence 1-21 Non-Int in Visit 02	600 Secs [==>]	[1]
	2		(2) HD47839	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	3		(14) HD47839-REF1 5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	4		(11) HD47839-REF1 1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	5		(8) HD47839-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	6		(6) HD47839-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	7		(2) HD47839	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	8		(14) HD47839-REF1 5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	9		(5) HD47839-REF2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	10		(7) HD47839-REF4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	11		(12) HD47839-REF1 3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	12		(13) HD47839-REF1 4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	13		(11) HD47839-REF1 1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	14		(2) HD47839	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	15		(9) HD47839-REF8	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	16		(10) HD47839-REF1 0	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	17		(6) HD47839-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	18		(8) HD47839-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	19		(11) HD47839-REF1 1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	20		(14) HD47839-REF1 5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]
	21		(2) HD47839	FGS, POS, 1	F5ND		SAME POS AS 1	Sequence 1-21 Non-Int in Visit 02	8.0 Secs [==>]	[1]



Proposal 12441 - Visit 03 - FGS Science During NSSC-1 Flight Software Upgrade

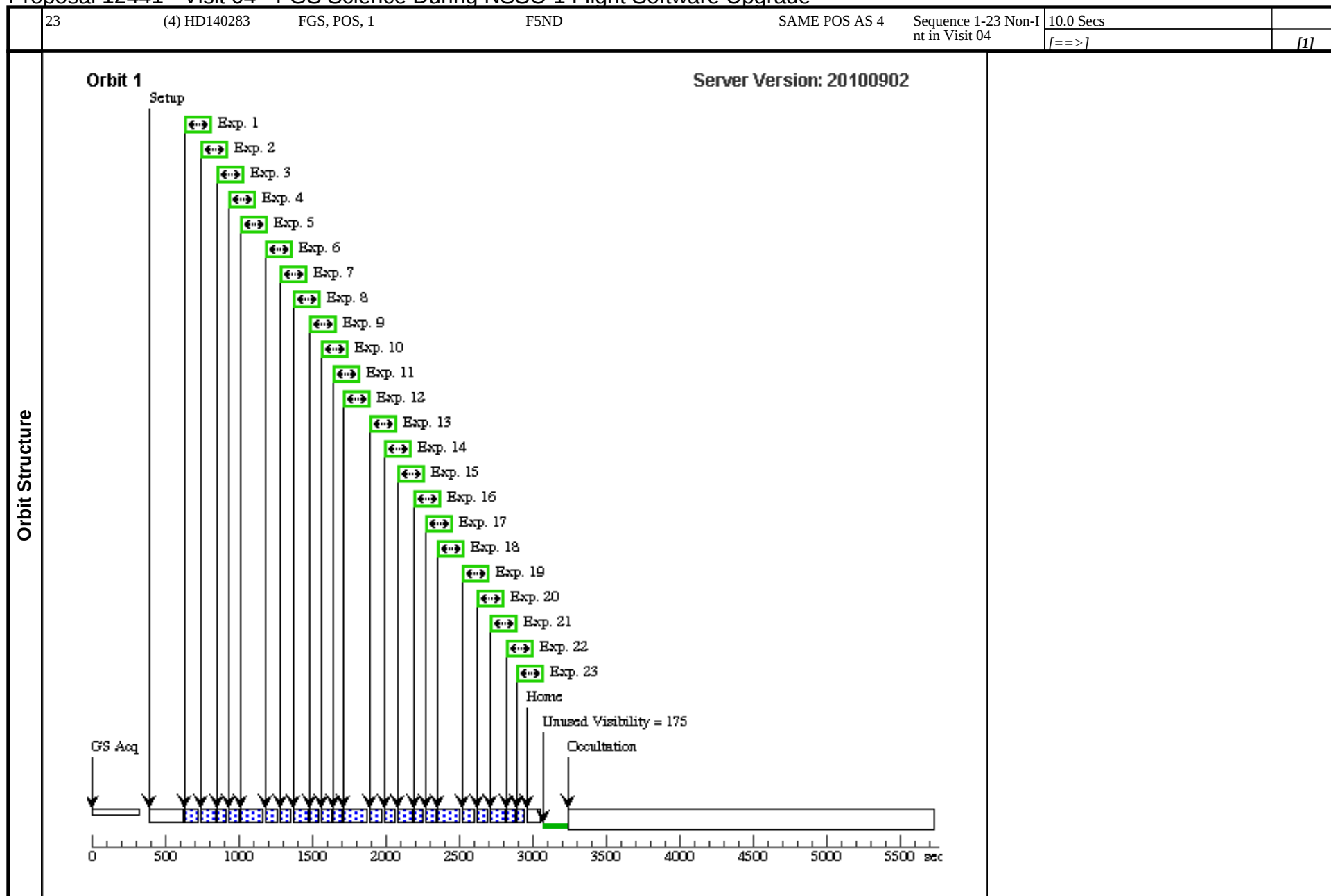
Visit	Proposal 12441, Visit 03, implementation										Fri Feb 11 02:03:39 GMT 2011
	Diagnostic Status: Warning										
	Scientific Instruments: FGS										
	Special Requirements: BETWEEN 08-MAR-2011:00:00:00 AND 10-MAR-2011:00:00:00										
Diagnostics	(Visit 03) Warning (Orbit Planner): LONG FGS SCAN LENGTH MAY SIGNAL PROBLEMS										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(3)	HD38666	RA: 05 45 59.8950 (86.4995625d) Dec: -32 18 23.17 (-32.30644d) Equinox: J2000				V=5.17+/-0.1	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(3) HD38666	FGS, TRANS, 1	F5ND	STEP-SIZE=2.0; SCANS=4		Sequence 1-2 Non-Int in Visit 03	300 Secs		
									[==>]	[1]	
	2		(3) HD38666	FGS, TRANS, 1	F5ND	SCANS=20; STEP-SIZE=0.5		Sequence 1-2 Non-Int in Visit 03	1500.0 Secs		
									[==>]	[1]	
Orbit Structure	Orbit 1										Server Version: 20100902

Proposal 12441 - Visit 04 - FGS Science During NSSC-1 Flight Software Upgrade

Visit	Proposal 12441, Visit 04, implementation					Fri Feb 11 02:03:39 GMT 2011
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: FGS					
	Special Requirements: PCS MODE FINE; ORIENT 288.0D TO 291.0 D; BETWEEN 08-MAR-2011:00:00:00 AND 10-MAR-2011:00:00:00					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	HD140283	RA: 15 43 3.1000 (235.7629167d) Dec: -10 56 0.59 (-10.93350d) Equinox: J2000		V=7.24	Reference Frame: ICRS
	(24)	HD140283-REF1 Alt Name1: GSC5601.00234	RA: 15 43 11.6600 (235.7985833d) Dec: -10 55 31.66 (-10.92546d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS
	(25)	HD140283-REF2 Alt Name1: GSC5601.00122	RA: 15 43 8.7400 (235.7864167d) Dec: -10 54 58.28 (-10.91619d) Equinox: J2000		V=12.51+/-0.1	Reference Frame: ICRS
	(26)	HD140283-REF3 Alt Name1: GSC5601.00564	RA: 15 42 59.5300 (235.7480417d) Dec: -10 55 26.26 (-10.92396d) Equinox: J2000		V=13.84+/-0.2	Reference Frame: ICRS
	(27)	HD140283-REF4 Alt Name1: GSC5601.00218	RA: 15 42 46.8300 (235.6951250d) Dec: -10 57 16.16 (-10.95449d) Equinox: J2000		V=14.07+/-0.2	Reference Frame: ICRS
	(28)	HD140283-REF5 Alt Name1: GSC5601.00722	RA: 15 42 46.5200 (235.6938333d) Dec: -10 56 46.93 (-10.94637d) Equinox: J2000		V=15.27+/-0.2	Reference Frame: ICRS

Proposal 12441 - Visit 04 - FGS Science During NSSC-1 Flight Software Upgrade

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	2		(24) HD140283-REF 1	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	15.0 Secs [==>]	[1]
	3		(25) HD140283-REF 2	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	4		(26) HD140283-REF 3	FGS, POS, 1	F583W		POS TARG 130.0,-69.0	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	5		(28) HD140283-REF 5	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	25.0 Secs [==>]	[1]
	6		(27) HD140283-REF 4	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	7		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	8		(24) HD140283-REF 1	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	15.0 Secs [==>]	[1]
	9		(25) HD140283-REF 2	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	10		(26) HD140283-REF 3	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	11		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	12		(28) HD140283-REF 5	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	25.0 Secs [==>]	[1]
	13		(27) HD140283-REF 4	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	14		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	15		(24) HD140283-REF 1	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	15.0 Secs [==>]	[1]
	16		(25) HD140283-REF 2	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	17		(26) HD140283-REF 3	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	18		(28) HD140283-REF 5	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	25.0 Secs [==>]	[1]
	19		(27) HD140283-REF 4	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	20		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	21		(24) HD140283-REF 1	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]
	22		(25) HD140283-REF 2	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 04	10.0 Secs [==>]	[1]



Proposal 12441 - Visit 05 - FGS Science During NSSC-1 Flight Software Upgrade

Visit	Proposal 12441, Visit 05, implementation					Fri Feb 11 02:03:40 GMT 2011
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: FGS					
	Special Requirements: PCS MODE FINE; ORIENT 288.0D TO 291.0 D; BETWEEN 08-MAR-2011:00:00:00 AND 10-MAR-2011:00:00:00					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	HD140283	RA: 15 43 3.1000 (235.7629167d) Dec: -10 56 0.59 (-10.93350d) Equinox: J2000		V=7.24	Reference Frame: ICRS
	(24)	HD140283-REF1 Alt Name1: GSC5601.00234	RA: 15 43 11.6600 (235.7985833d) Dec: -10 55 31.66 (-10.92546d) Equinox: J2000		V=14.8+/-0.2	Reference Frame: ICRS
	(25)	HD140283-REF2 Alt Name1: GSC5601.00122	RA: 15 43 8.7400 (235.7864167d) Dec: -10 54 58.28 (-10.91619d) Equinox: J2000		V=12.51+/-0.1	Reference Frame: ICRS
	(26)	HD140283-REF3 Alt Name1: GSC5601.00564	RA: 15 42 59.5300 (235.7480417d) Dec: -10 55 26.26 (-10.92396d) Equinox: J2000		V=13.84+/-0.2	Reference Frame: ICRS
	(27)	HD140283-REF4 Alt Name1: GSC5601.00218	RA: 15 42 46.8300 (235.6951250d) Dec: -10 57 16.16 (-10.95449d) Equinox: J2000		V=14.07+/-0.2	Reference Frame: ICRS
	(28)	HD140283-REF5 Alt Name1: GSC5601.00722	RA: 15 42 46.5200 (235.6938333d) Dec: -10 56 46.93 (-10.94637d) Equinox: J2000		V=15.27+/-0.2	Reference Frame: ICRS

Proposal 12441 - Visit 05 - FGS Science During NSSC-1 Flight Software Upgrade

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	2		(24) HD140283-REF 1	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	15.0 Secs [==>]	[1]
	3		(25) HD140283-REF 2	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	4		(26) HD140283-REF 3	FGS, POS, 1	F583W		POS TARG 130.0,-69.0	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	5		(28) HD140283-REF 5	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	25.0 Secs [==>]	[1]
	6		(27) HD140283-REF 4	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	7		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	8		(24) HD140283-REF 1	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	15.0 Secs [==>]	[1]
	9		(25) HD140283-REF 2	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	10		(26) HD140283-REF 3	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	11		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	12		(28) HD140283-REF 5	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	25.0 Secs [==>]	[1]
	13		(27) HD140283-REF 4	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	14		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	15		(24) HD140283-REF 1	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	15.0 Secs [==>]	[1]
	16		(25) HD140283-REF 2	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	17		(26) HD140283-REF 3	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	18		(28) HD140283-REF 5	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	25.0 Secs [==>]	[1]
	19		(27) HD140283-REF 4	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	20		(4) HD140283	FGS, POS, 1	F5ND		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	21		(24) HD140283-REF 1	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]
	22		(25) HD140283-REF 2	FGS, POS, 1	F583W		SAME POS AS 4	Sequence 1-23 Non-Int in Visit 05	10.0 Secs [==>]	[1]

