10611 - Precise Distances to Nearby Planetary Nebulae

Cycle: 14, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

Name	*Institution*	*E-Mail*
Dr. George Fritz Benedict (PI)	**University of Texas at Austin**	**fritz@astro.as.utexas.edu**
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Dr. Robin Ciardullo (CoI)	The Pennsylvania State University	rbc@astro.psu.edu
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VISITS

Visit	*Targets*	*Configurations*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(23) ABELL31-2-REF (26) ABELL31-5-REF (27) ABELL31-6-REF (22) ABELL31-1-REF (25) ABELL31-4-REF (21) ABELL31 (24) ABELL31-3-REF	FGS	1	25-Apr-2006 21:09:15.0	yes
02	(23) ABELL31-2-REF (26) ABELL31-5-REF (27) ABELL31-6-REF (22) ABELL31-1-REF (25) ABELL31-4-REF (21) ABELL31 (24) ABELL31-3-REF	FGS	1	25-Apr-2006 21:09:23.0	yes
03	(23) ABELL31-2-REF (26) ABELL31-5-REF (27) ABELL31-6-REF (22) ABELL31-1-REF (25) ABELL31-4-REF (21) ABELL31 (24) ABELL31-3-REF	FGS	1	25-Apr-2006 21:09:30.0	yes

Visit	*Targets*	*Configurations*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
04	(23) ABELL31-2-REF (26) ABELL31-5-REF (27) ABELL31-6-REF (22) ABELL31-1-REF (25) ABELL31-4-REF (21) ABELL31 (24) ABELL31-3-REF	FGS	1	25-Apr-2006 21:09:37.0	yes
05	(23) ABELL31-2-REF (26) ABELL31-5-REF (27) ABELL31-6-REF (22) ABELL31-1-REF (25) ABELL31-4-REF (21) ABELL31 (24) ABELL31-3-REF	FGS	1	25-Apr-2006 21:09:44.0	yes
06	(16) NGC7293-1-REF (15) NGC7293 (20) NGC7293-5-REF (17) NGC7293-2-REF (18) NGC7293-3-REF	FGS	1	25-Apr-2006 21:09:55.0	yes
07	(16) NGC7293-1-REF (15) NGC7293 (20) NGC7293-5-REF (17) NGC7293-2-REF (18) NGC7293-3-REF	FGS	1	25-Apr-2006 21:10:03.0	yes

Visit	*Targets*	*Configurations*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
08	(16) NGC7293-1-REF (15) NGC7293 (20) NGC7293-5-REF (17) NGC7293-2-REF (18) NGC7293-3-REF	FGS	1	25-Apr-2006 21:10:12.0	yes
09	(16) NGC7293-1-REF (15) NGC7293 (20) NGC7293-5-REF (17) NGC7293-2-REF (18) NGC7293-3-REF	FGS	1	25-Apr-2006 21:10:21.0	yes
10	(16) NGC7293-1-REF (15) NGC7293 (20) NGC7293-5-REF (17) NGC7293-2-REF (18) NGC7293-3-REF	FGS	1	25-Apr-2006 21:10:30.0	yes
11	(13) D-4-REF (11) D-2-REF (10) D-1-REF (9) DEHT5 (14) D-5-REF	FGS	1	25-Apr-2006 21:10:37.0	yes
12	(11) D-2-REF (10) D-1-REF (9) DEHT5 (14) D-5-REF (12) D-3-REF	FGS	1	25-Apr-2006 21:10:46.0	yes

Visit	*Targets*	*Configurations*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
13	(13) D-4-REF (11) D-2-REF (10) D-1-REF (9) DEHT5 (14) D-5-REF	FGS	1	25-Apr-2006 21:10:56.0	yes
14	(13) D-4-REF (11) D-2-REF (10) D-1-REF (9) DEHT5 (12) D-3-REF (14) D-5-REF	FGS	1	25-Apr-2006 21:11:05.0	yes
15	(13) D-4-REF (11) D-2-REF (10) D-1-REF (9) DEHT5 (12) D-3-REF (14) D-5-REF	FGS	1	25-Apr-2006 21:11:14.0	yes

15 Total Orbits Used

ABSTRACT

We propose to carry out astrometry with the FGS to obtain accurate and precise distances to four nearby planetary nebulae. In 1992, Cahn et al. noted that ``The distances to Galactic planetary nebulae remain a serious, if not THE most serious, problem in the field, despite decades of study." Twelve years later, the same statement still applies. Because the distances to planetary nebulae are so uncertain, our understanding of their masses, luminosities, scale height, birth rate, and evolutionary state is severely limited. To help remedy this problem, HST astrometry can guarantee parallaxes with half the error of any other available approach.

These data, when combined with parallax measurements from the USNO, will improve distance measurements by more than a factor of two, producing more accurate distances with uncertainties that are of the order of ~6%. Lastly, most planetary nebula distance scales in the literature are statistical. They require several anchor points of known distance in order to calibrate their zero point. Our program will provide "gold standard" anchor points by the end of 2006, a decade before any anticipated results from future space astrometry missions.

OBSERVING DESCRIPTION

We will obtain fringe tracking and fringe scanning observations of the central stars of four planetary nebulae. We will obtain fringe tracking observations of five reference stars within each field. All observations will take place at or near maximum parallax factor.

Visit

Proposal 10611, Visit 01 Wed Apr 26 01:11:17 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 278.0D TO 288.0 D; BETWEEN 15-OCT-2005:00:00:00 AND 16-OCT-2005:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	ABELL31	RA: 08 54 13.1600 (133.5548333d) Dec: +08 53 53.00 (8.89806d) Equinox: J2000 Plate Id: (?)		V=15.51+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(22)	ABELL31-1-REF	RA: 08 54 20.9740 (133.5873917d) Dec: +08 52 33.06 (8.87585d) Equinox: J2000 Plate Id: (?)		V=14.95+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(23)	ABELL31-2-REF	RA: 08 54 2.9350 (133.5122292d) Dec: +08 54 29.12 (8.90809d) Equinox: J2000 Plate Id: (?)		V=13.44+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(24)	ABELL31-3-REF	RA: 08 54 15.1510 (133.5631292d) Dec: +08 52 24.02 (8.87334d) Equinox: J2000 Plate Id: (?)		V=14.63+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(25)	ABELL31-4-REF	RA: 08 54 19.3940 (133.5808083d) Dec: +08 53 34.08 (8.89280d) Equinox: J2000 Plate Id: (?)		V=10.0+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(26)	ABELL31-5-REF	RA: 08 54 18.0070 (133.5750292d) Dec: +08 54 5.76 (8.90160d) Equinox: J2000 Plate Id: (?)		V=12.64+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(27)	ABELL31-6-REF	RA: 08 53 58.9420 (133.4955917d) Dec: +08 55 49.40 (8.93039d) Equinox: J2000 Plate Id: (?)		V=14.72+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

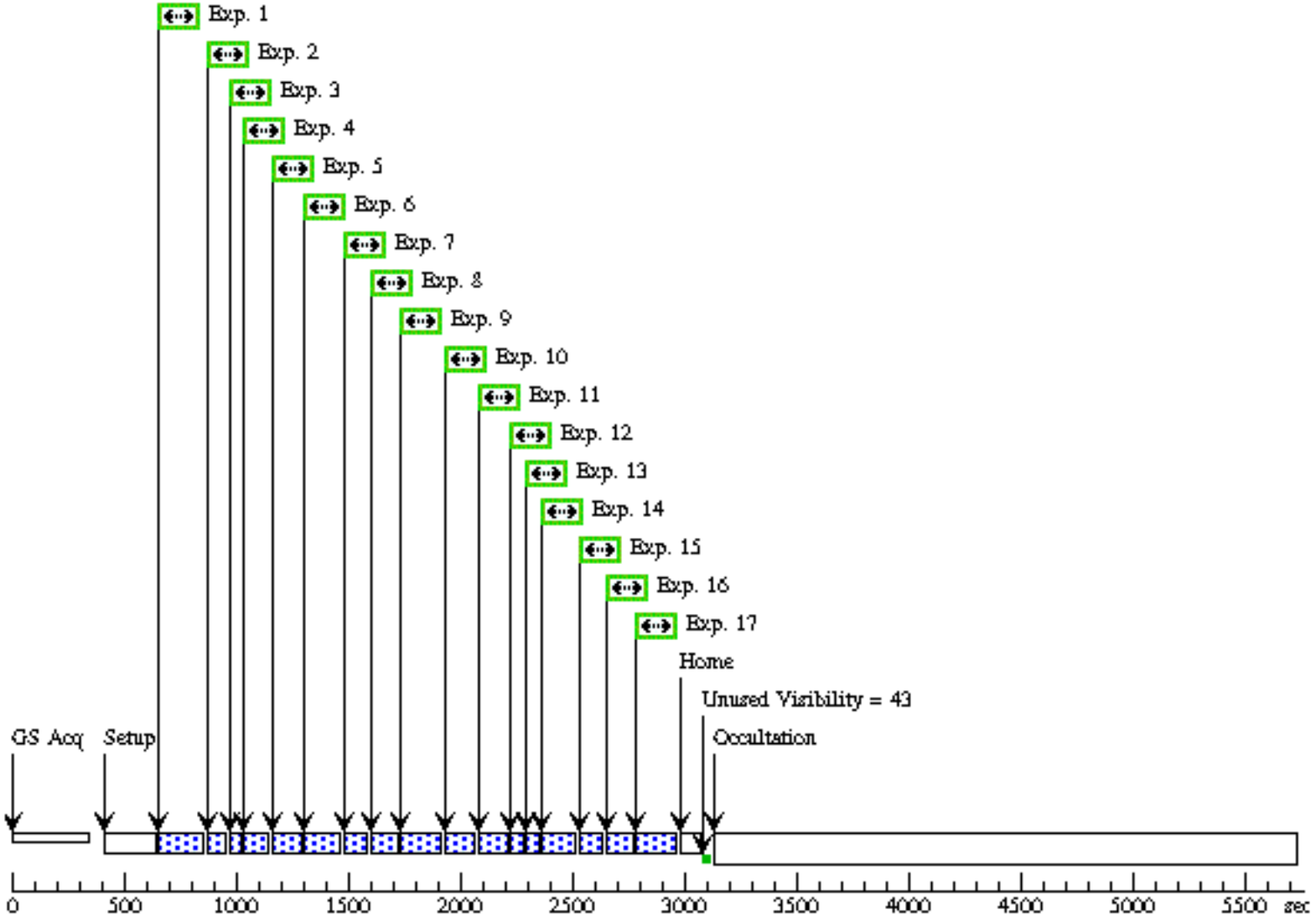
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(21) ABELL31	FGS, POS, 1	F583W		MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs	
								[==>]	***[1]***
2	30	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	25.0 Secs	
								[==>]	***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
3	40	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	10.0 Secs *[==>]*	 ***[1]***
4	50	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
5	60	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
6	70	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
7	80	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	25.0 Secs *[==>]*	 ***[1]***
8	90	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
9	100	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
10	110	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
11	120	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
12	130	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	10.0 Secs *[==>]*	 ***[1]***
13	140	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	20.0 Secs *[==>]*	 ***[1]***
14	150	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
15	160	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	25.0 Secs *[==>]*	 ***[1]***
16	170	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***
17	160	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 02 Wed Apr 26 01:11:18 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 270.0D TO 310.0 D; BETWEEN 15-DEC-2005:00:00:00 AND 16-DEC-2005:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	ABELL31	RA: 08 54 13.1600 (133.5548333d) Dec: +08 53 53.00 (8.89806d) Equinox: J2000 Plate Id: (?)		V=15.51+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(22)	ABELL31-1-REF	RA: 08 54 20.9740 (133.5873917d) Dec: +08 52 33.06 (8.87585d) Equinox: J2000 Plate Id: (?)		V=14.95+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(23)	ABELL31-2-REF	RA: 08 54 2.9350 (133.5122292d) Dec: +08 54 29.12 (8.90809d) Equinox: J2000 Plate Id: (?)		V=13.44+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(24)	ABELL31-3-REF	RA: 08 54 15.1510 (133.5631292d) Dec: +08 52 24.02 (8.87334d) Equinox: J2000 Plate Id: (?)		V=14.63+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(25)	ABELL31-4-REF	RA: 08 54 19.3940 (133.5808083d) Dec: +08 53 34.08 (8.89280d) Equinox: J2000 Plate Id: (?)		V=10.0+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(26)	ABELL31-5-REF	RA: 08 54 18.0070 (133.5750292d) Dec: +08 54 5.76 (8.90160d) Equinox: J2000 Plate Id: (?)		V=12.64+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(27)	ABELL31-6-REF	RA: 08 53 58.9420 (133.4955917d) Dec: +08 55 49.40 (8.93039d) Equinox: J2000 Plate Id: (?)		V=14.72+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

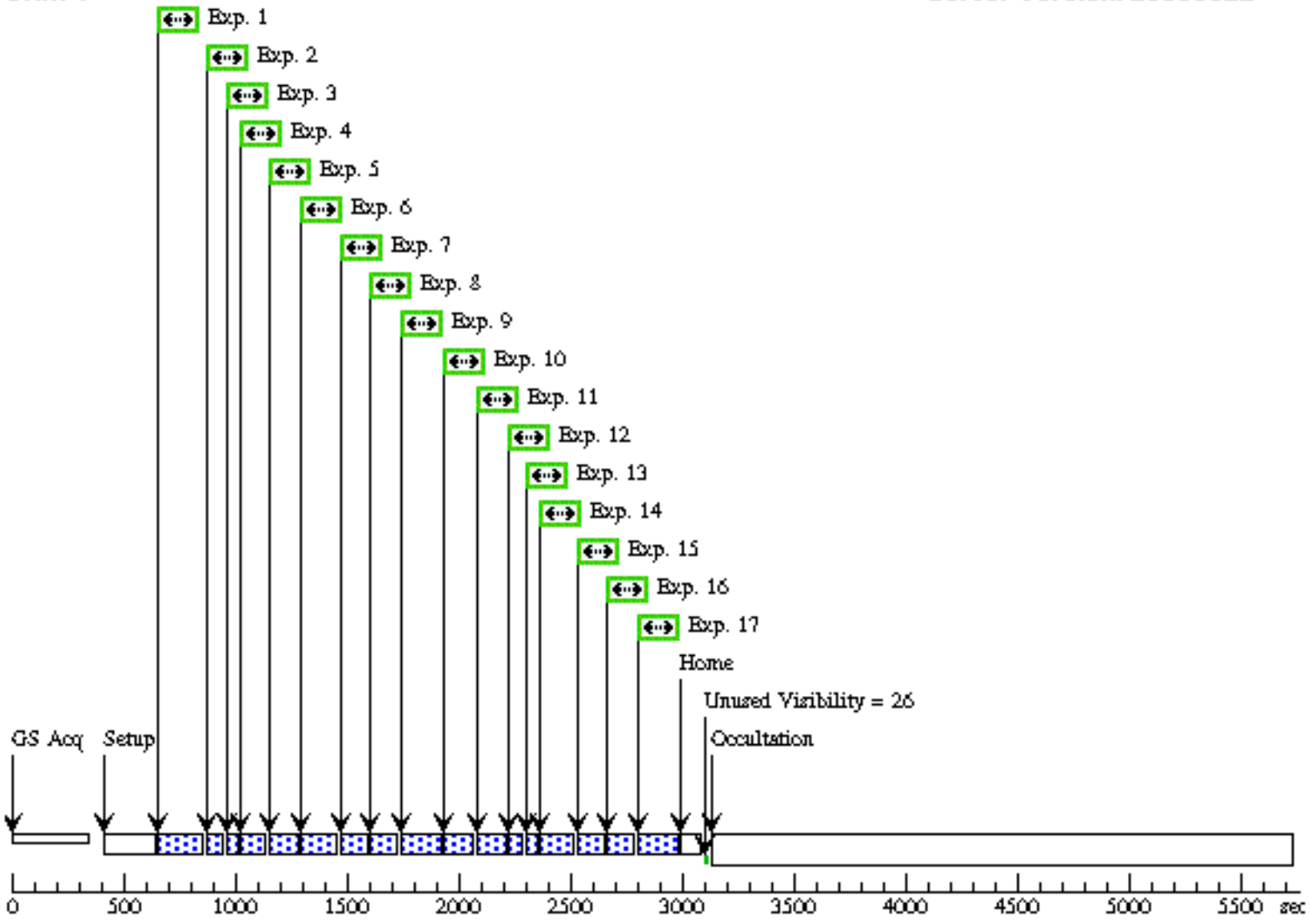
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(21) ABELL31	FGS, POS, 1	F583W		MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs	
								[==>41.0 Secs]	***[1]***
2	30	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	15.0 Secs	
								[==>]	***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
3	40	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	10.0 Secs *[==>]*	***[1]***
4	50	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
5	60	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
6	70	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
7	80	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
8	90	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
9	100	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
10	110	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
11	120	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
12	130	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	10.0 Secs *[==>]*	***[1]***
13	140	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	15.0 Secs *[==>]*	***[1]***
14	150	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
15	160	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
16	170	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***
17	160	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 03 Wed Apr 26 01:11:19 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 270.0D TO 310.0 D; BETWEEN 10-JAN-2006:00:00:00 AND 11-JAN-2006:00:00:00

Fixed Targets

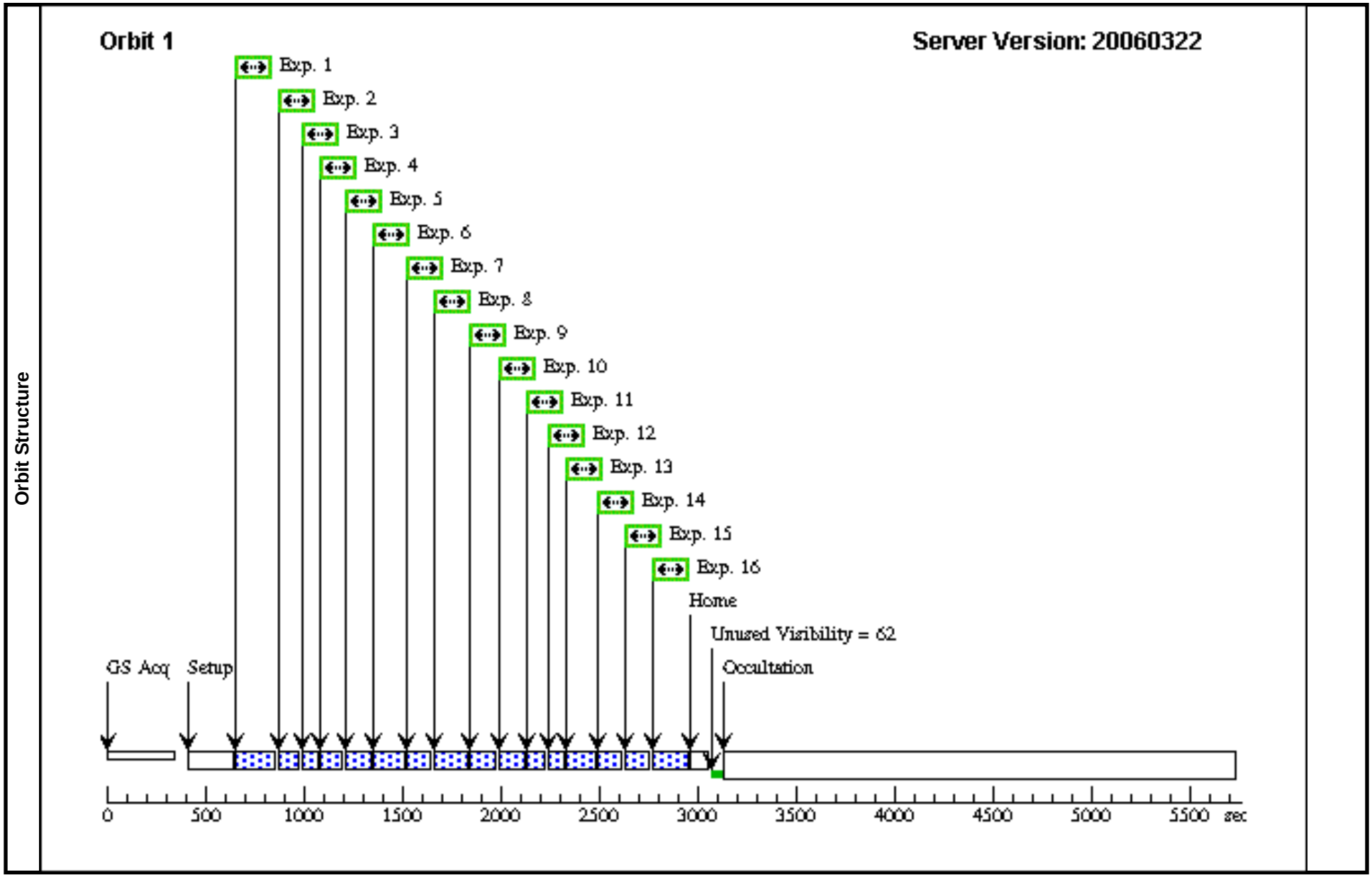
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	ABELL31	RA: 08 54 13.1600 (133.5548333d) Dec: +08 53 53.00 (8.89806d) Equinox: J2000 Plate Id: (?)		V=15.51+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(22)	ABELL31-1-REF	RA: 08 54 20.9740 (133.5873917d) Dec: +08 52 33.06 (8.87585d) Equinox: J2000 Plate Id: (?)		V=14.95+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(23)	ABELL31-2-REF	RA: 08 54 2.9350 (133.5122292d) Dec: +08 54 29.12 (8.90809d) Equinox: J2000 Plate Id: (?)		V=13.44+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(24)	ABELL31-3-REF	RA: 08 54 15.1510 (133.5631292d) Dec: +08 52 24.02 (8.87334d) Equinox: J2000 Plate Id: (?)		V=14.63+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(25)	ABELL31-4-REF	RA: 08 54 19.3940 (133.5808083d) Dec: +08 53 34.08 (8.89280d) Equinox: J2000 Plate Id: (?)		V=10.0+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(26)	ABELL31-5-REF	RA: 08 54 18.0070 (133.5750292d) Dec: +08 54 5.76 (8.90160d) Equinox: J2000 Plate Id: (?)		V=12.64+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(27)	ABELL31-6-REF	RA: 08 53 58.9420 (133.4955917d) Dec: +08 55 49.40 (8.93039d) Equinox: J2000 Plate Id: (?)		V=14.72+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(21) ABELL31	FGS, POS, 1	F583W		MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs	
								[==>41.0 Secs]	***[1]***
2	30	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs	
								[==>41.0 Secs]	***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
3	40	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
4	50	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
5	60	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
6	70	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
7	80	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
8	100	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
9	110	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
10	120	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
11	130	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
12	140	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
13	150	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
14	160	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
15	170	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
16	160	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-16 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***


Orbit Structure
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Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
Exp. 7
Exp. 8
Exp. 9
Exp. 10
Exp. 11
Exp. 12
Exp. 13
Exp. 14
Exp. 15
Exp. 16
Home
Unused Visibility = 62
GS Acq
Setup
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 10611, Visit 04 Wed Apr 26 01:11:20 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; ORIENT 270.0D TO 310.0 D; BETWEEN 10-NOV-2006:00:00:00 AND 14-NOV-2006:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	ABELL31	RA: 08 54 13.1600 (133.5548333d) Dec: +08 53 53.00 (8.89806d) Equinox: J2000 Plate Id: (?)		V=15.51+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(22)	ABELL31-1-REF	RA: 08 54 20.9740 (133.5873917d) Dec: +08 52 33.06 (8.87585d) Equinox: J2000 Plate Id: (?)		V=14.95+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(23)	ABELL31-2-REF	RA: 08 54 2.9350 (133.5122292d) Dec: +08 54 29.12 (8.90809d) Equinox: J2000 Plate Id: (?)		V=13.44+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(24)	ABELL31-3-REF	RA: 08 54 15.1510 (133.5631292d) Dec: +08 52 24.02 (8.87334d) Equinox: J2000 Plate Id: (?)		V=14.63+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(25)	ABELL31-4-REF	RA: 08 54 19.3940 (133.5808083d) Dec: +08 53 34.08 (8.89280d) Equinox: J2000 Plate Id: (?)		V=10.0+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(26)	ABELL31-5-REF	RA: 08 54 18.0070 (133.5750292d) Dec: +08 54 5.76 (8.90160d) Equinox: J2000 Plate Id: (?)		V=12.64+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(27)	ABELL31-6-REF	RA: 08 53 58.9420 (133.4955917d) Dec: +08 55 49.40 (8.93039d) Equinox: J2000 Plate Id: (?)		V=14.72+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

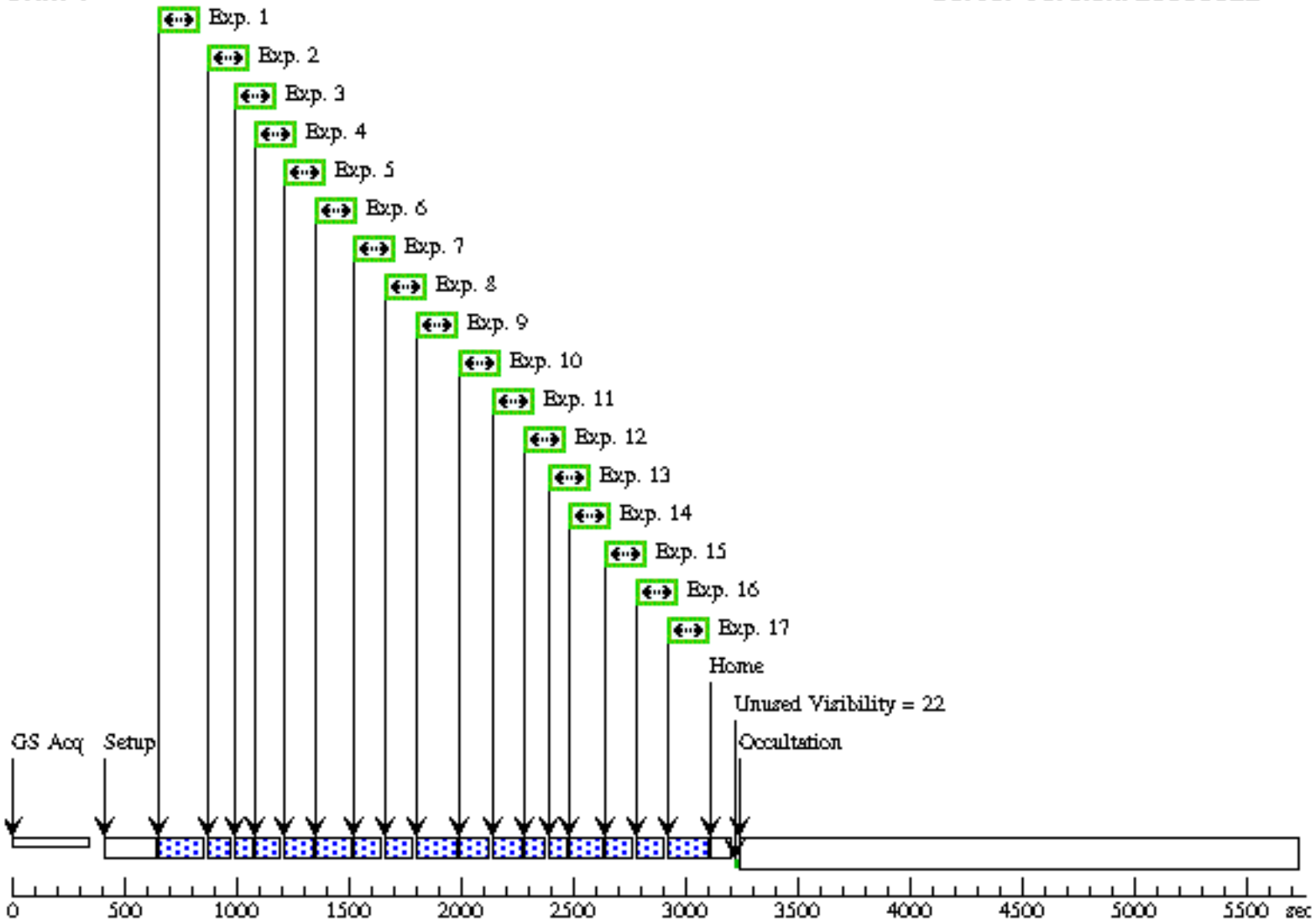
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(21) ABELL31	FGS, POS, 1	F583W		MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs	
								[==>41.0 Secs]	***[1]***
2	30	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs	
								[==>41.0 Secs]	***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
3	40	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
4	50	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
5	60	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
6	70	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
7	80	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
8	90	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
9	100	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
10	110	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
11	120	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
12	130	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
13	140	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
14	150	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
15	160	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
16	170	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
17	160	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 05 Wed Apr 26 01:11:21 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 270.0D TO 310.0 D; BETWEEN 16-NOV-2006:00:00:00 AND 20-NOV-2006:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	ABELL31	RA: 08 54 13.1600 (133.5548333d) Dec: +08 53 53.00 (8.89806d) Equinox: J2000 Plate Id: (?)		V=15.51+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(22)	ABELL31-1-REF	RA: 08 54 20.9740 (133.5873917d) Dec: +08 52 33.06 (8.87585d) Equinox: J2000 Plate Id: (?)		V=14.95+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(23)	ABELL31-2-REF	RA: 08 54 2.9350 (133.5122292d) Dec: +08 54 29.12 (8.90809d) Equinox: J2000 Plate Id: (?)		V=13.44+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(24)	ABELL31-3-REF	RA: 08 54 15.1510 (133.5631292d) Dec: +08 52 24.02 (8.87334d) Equinox: J2000 Plate Id: (?)		V=14.63+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(25)	ABELL31-4-REF	RA: 08 54 19.3940 (133.5808083d) Dec: +08 53 34.08 (8.89280d) Equinox: J2000 Plate Id: (?)		V=10.0+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(26)	ABELL31-5-REF	RA: 08 54 18.0070 (133.5750292d) Dec: +08 54 5.76 (8.90160d) Equinox: J2000 Plate Id: (?)		V=12.64+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(27)	ABELL31-6-REF	RA: 08 53 58.9420 (133.4955917d) Dec: +08 55 49.40 (8.93039d) Equinox: J2000 Plate Id: (?)		V=14.72+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

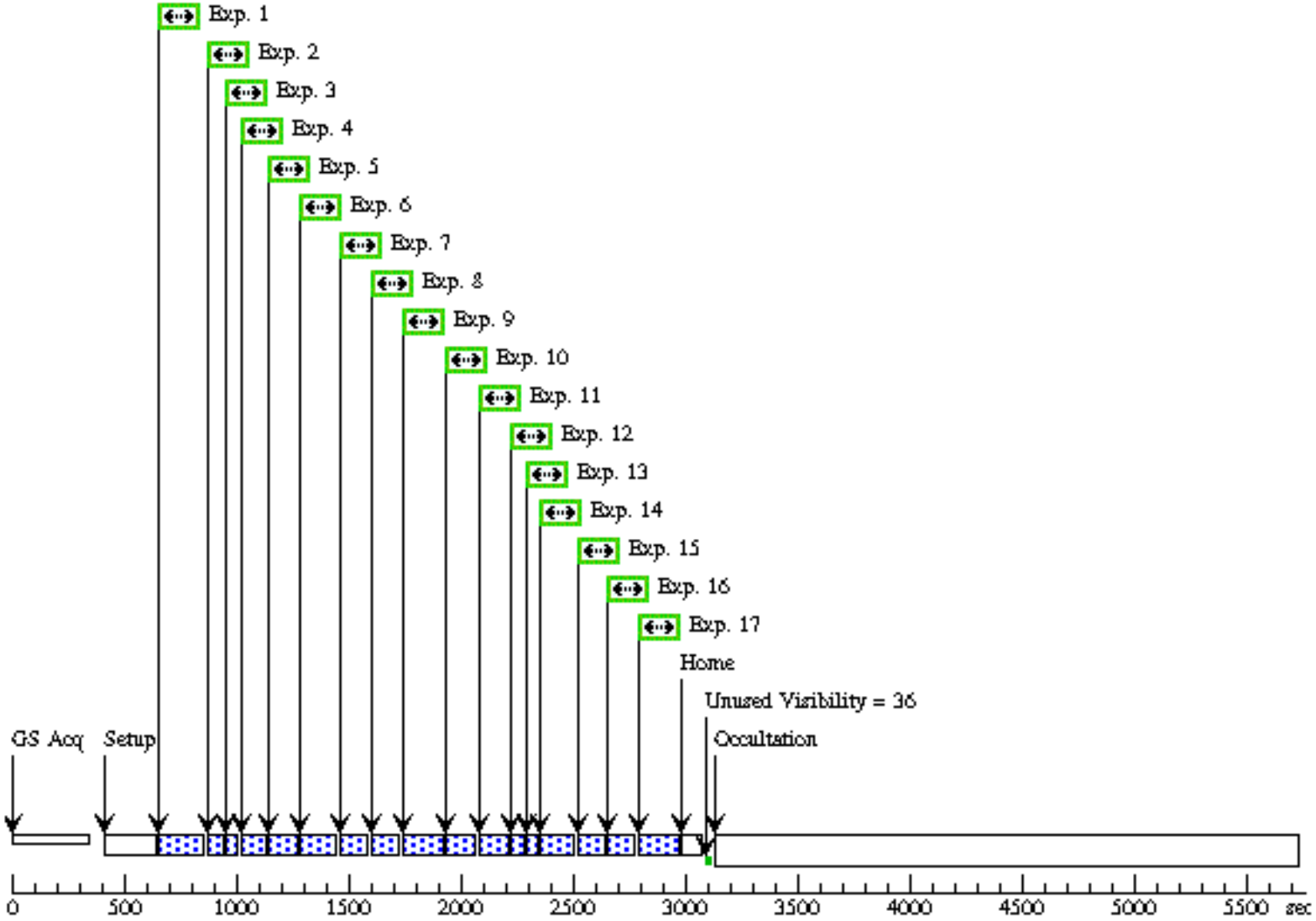
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(21) ABELL31	FGS, POS, 1	F583W		MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs	
								[==>41.0 Secs]	***[1]***
2	30	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	10.0 Secs	
								[==>]	***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
3	40	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	10.0 Secs *[==>]*	 ***[1]***
4	50	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
5	60	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
6	70	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
7	80	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
8	90	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
9	100	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
10	110	(24) ABELL31-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
11	120	(22) ABELL31-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
12	130	(25) ABELL31-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	10.0 Secs *[==>]*	 ***[1]***
13	140	(26) ABELL31-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	10.0 Secs *[==>]*	 ***[1]***
14	150	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
15	160	(23) ABELL31-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
16	170	(27) ABELL31-6-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***
17	160	(21) ABELL31	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-17 Non-Int	41.0 Secs *[==>41.0 Secs]*	 ***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 06 Wed Apr 26 01:11:22 GMT 2006

Diagnostic Status: Warning

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 256.0D TO 256.2 D; BETWEEN 01-AUG-2005:00:00:00 AND 02-AUG-2005:00:00:00

Diagnostics

(Visit 06) Warning: GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	NGC7293	RA: 22 29 38.5400 (337.4105833d) Dec: -20 50 13.60 (-20.83711d) Equinox: J2000 Plate Id: (?)		V=13.53+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(16)	NGC7293-1-REF	RA: 22 29 47.2800 (337.4470000d) Dec: -20 50 30.60 (-20.84183d) Equinox: J2000 Plate Id: (?)		V=13.1+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(17)	NGC7293-2-REF	RA: 22 29 27.6100 (337.3650417d) Dec: -20 51 41.50 (-20.86153d) Equinox: J2000 Plate Id: (?)		V=11.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(18)	NGC7293-3-REF	RA: 22 29 38.0200 (337.4084167d) Dec: -20 52 16.30 (-20.87119d) Equinox: J2000 Plate Id: (?)		V=15.2+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(20)	NGC7293-5-REF	RA: 22 29 21.6200 (337.3400833d) Dec: -20 51 21.30 (-20.85592d) Equinox: J2000 Plate Id: (?)		V=12.5+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

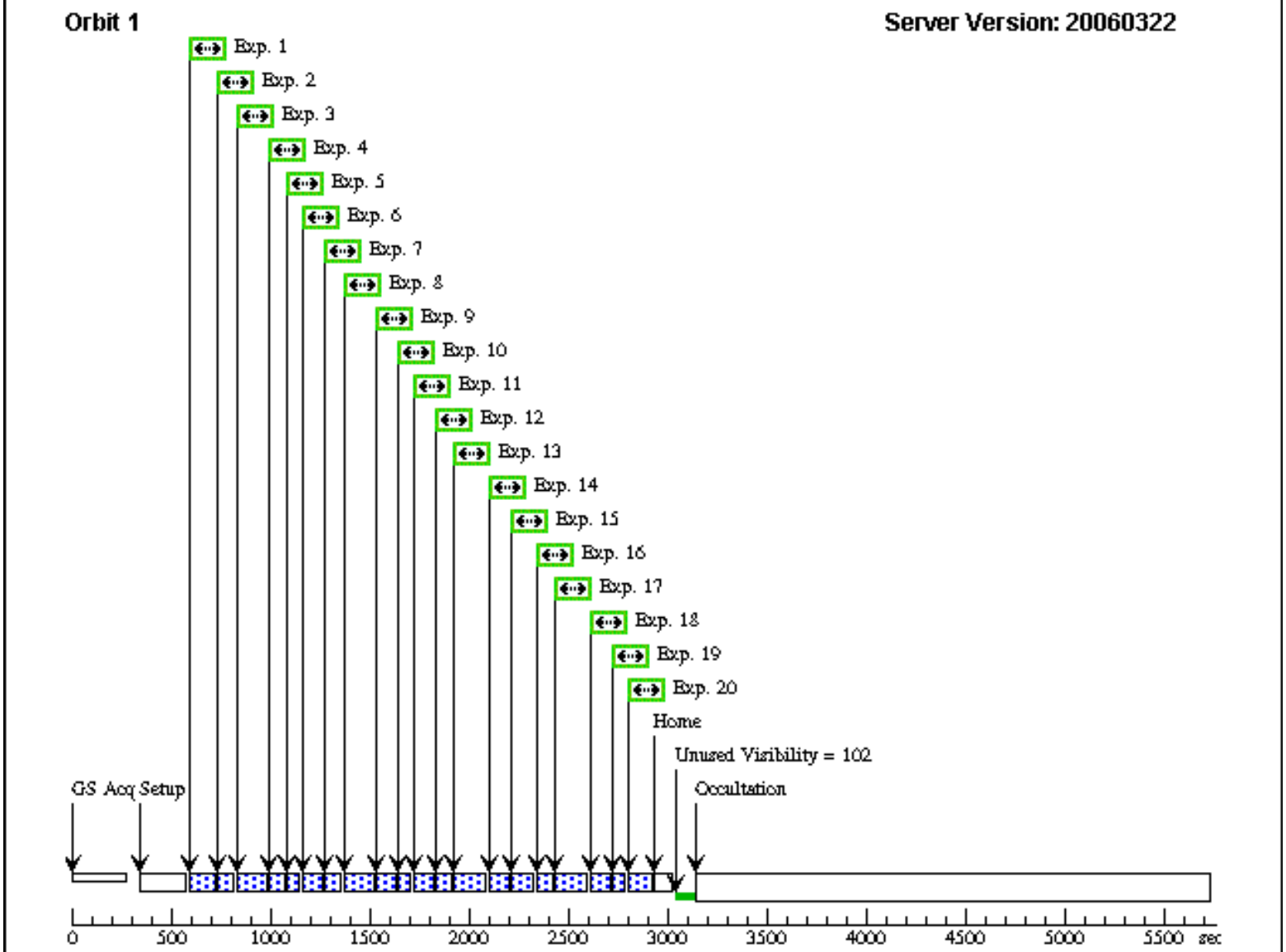
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(15) NGC7293	FGS, POS, 1	F583W		POS TARG 0,-16; MAX DUR 100.0 %; GS ACQ SCENARIO ONEB1	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	 ***[1]***
2	30	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
3	50	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
4	60	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	10.0 Secs	
								[==>]	***[1]***
5	70	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs	
								[==>]	***[1]***
6	80	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs	
								[==>]	***[1]***
7	90	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs	
								[==>]	***[1]***
8	100	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs	
								[==>]	***[1]***
9	110	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs	
								[==>]	***[1]***
10	120	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs	
								[==>]	***[1]***
11	130	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs	
								[==>]	***[1]***
12	140	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs	
								[==>]	***[1]***
13	150	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs	
								[==>]	***[1]***
14	160	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs	
								[==>]	***[1]***
15	180	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs	
								[==>]	***[1]***
16	190	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs	
								[==>]	***[1]***
17	200	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs	
								[==>]	***[1]***
18	210	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs	
								[==>]	***[1]***
19	220	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs	
								[==>]	***[1]***
20	230	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 07 Wed Apr 26 01:11:23 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 225.0D TO 236.5 D; BETWEEN 01-JUL-2006:00:00:00 AND 02-JUL-2006:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	NGC7293	RA: 22 29 38.5400 (337.4105833d) Dec: -20 50 13.60 (-20.83711d) Equinox: J2000 Plate Id: (?)		V=13.53+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(16)	NGC7293-1-REF	RA: 22 29 47.2800 (337.4470000d) Dec: -20 50 30.60 (-20.84183d) Equinox: J2000 Plate Id: (?)		V=13.1+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(17)	NGC7293-2-REF	RA: 22 29 27.6100 (337.3650417d) Dec: -20 51 41.50 (-20.86153d) Equinox: J2000 Plate Id: (?)		V=11.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(18)	NGC7293-3-REF	RA: 22 29 38.0200 (337.4084167d) Dec: -20 52 16.30 (-20.87119d) Equinox: J2000 Plate Id: (?)		V=15.2+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(20)	NGC7293-5-REF	RA: 22 29 21.6200 (337.3400833d) Dec: -20 51 21.30 (-20.85592d) Equinox: J2000 Plate Id: (?)		V=12.5+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

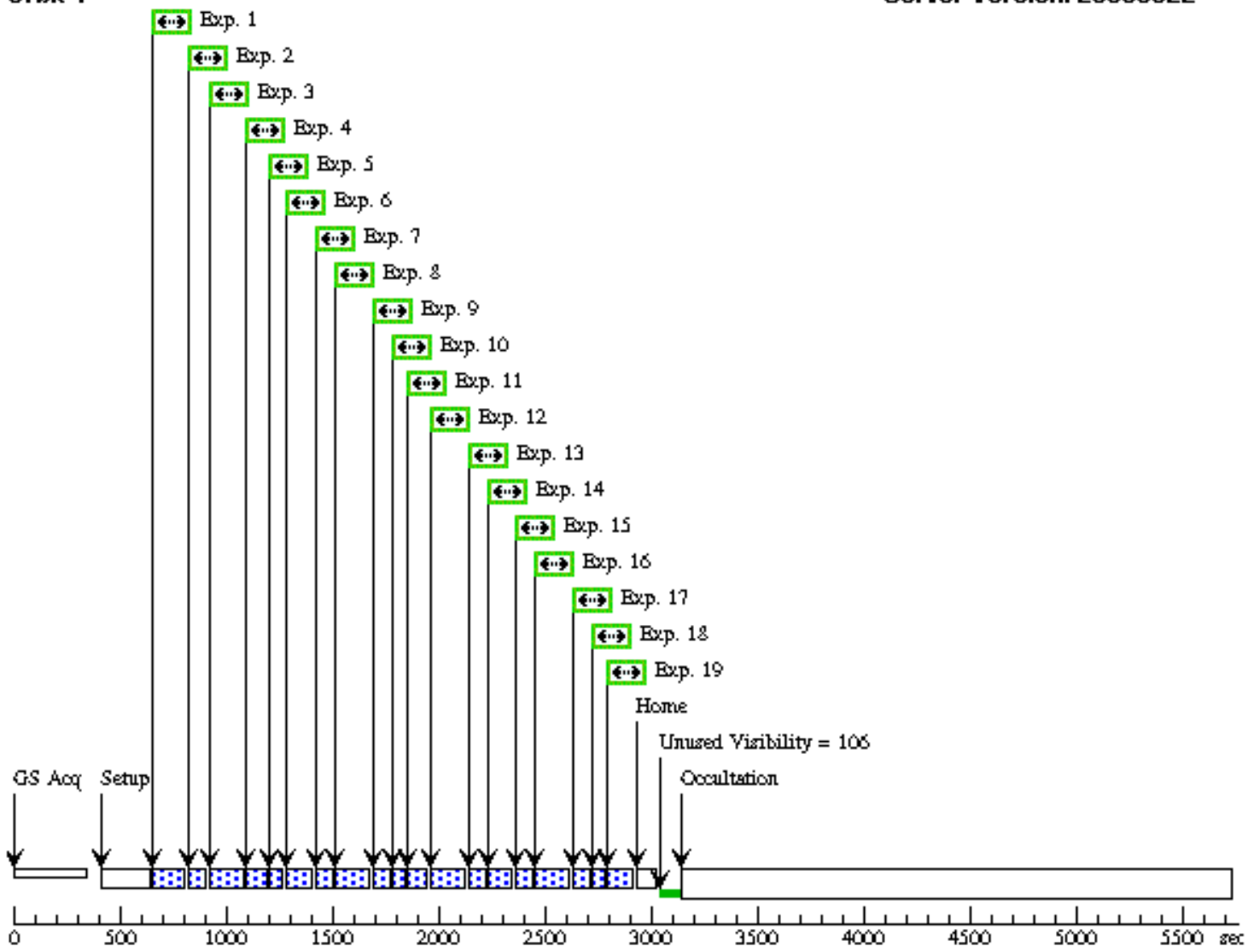
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(15) NGC7293	FGS, POS, 1	F583W		POS TARG 0,0; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
3	50	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	45.0 Secs *[==>]*	 ***[1]***
4	60	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	30.0 Secs *[==>]*	 ***[1]***
5	70	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***
6	80	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
7	90	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
8	100	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	45.0 Secs *[==>]*	 ***[1]***
9	110	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	10.0 Secs *[==>]*	 ***[1]***
10	130	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***
11	140	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
12	150	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	45.0 Secs *[==>]*	 ***[1]***
13	160	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	10.0 Secs *[==>]*	 ***[1]***
14	180	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
15	190	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
16	200	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	45.0 Secs *[==>]*	 ***[1]***
17	210	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	10.0 Secs *[==>]*	 ***[1]***
18	220	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***
19	230	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 08 Wed Apr 26 01:11:25 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; ORIENT 225.0D TO 236.5 D; BETWEEN 22-MAY-2006:00:00:00 AND 23-MAY-2006:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	NGC7293	RA: 22 29 38.5400 (337.4105833d) Dec: -20 50 13.60 (-20.83711d) Equinox: J2000 Plate Id: (?)		V=13.53+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(16)	NGC7293-1-REF	RA: 22 29 47.2800 (337.4470000d) Dec: -20 50 30.60 (-20.84183d) Equinox: J2000 Plate Id: (?)		V=13.1+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(17)	NGC7293-2-REF	RA: 22 29 27.6100 (337.3650417d) Dec: -20 51 41.50 (-20.86153d) Equinox: J2000 Plate Id: (?)		V=11.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(18)	NGC7293-3-REF	RA: 22 29 38.0200 (337.4084167d) Dec: -20 52 16.30 (-20.87119d) Equinox: J2000 Plate Id: (?)		V=15.2+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(20)	NGC7293-5-REF	RA: 22 29 21.6200 (337.3400833d) Dec: -20 51 21.30 (-20.85592d) Equinox: J2000 Plate Id: (?)		V=12.5+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

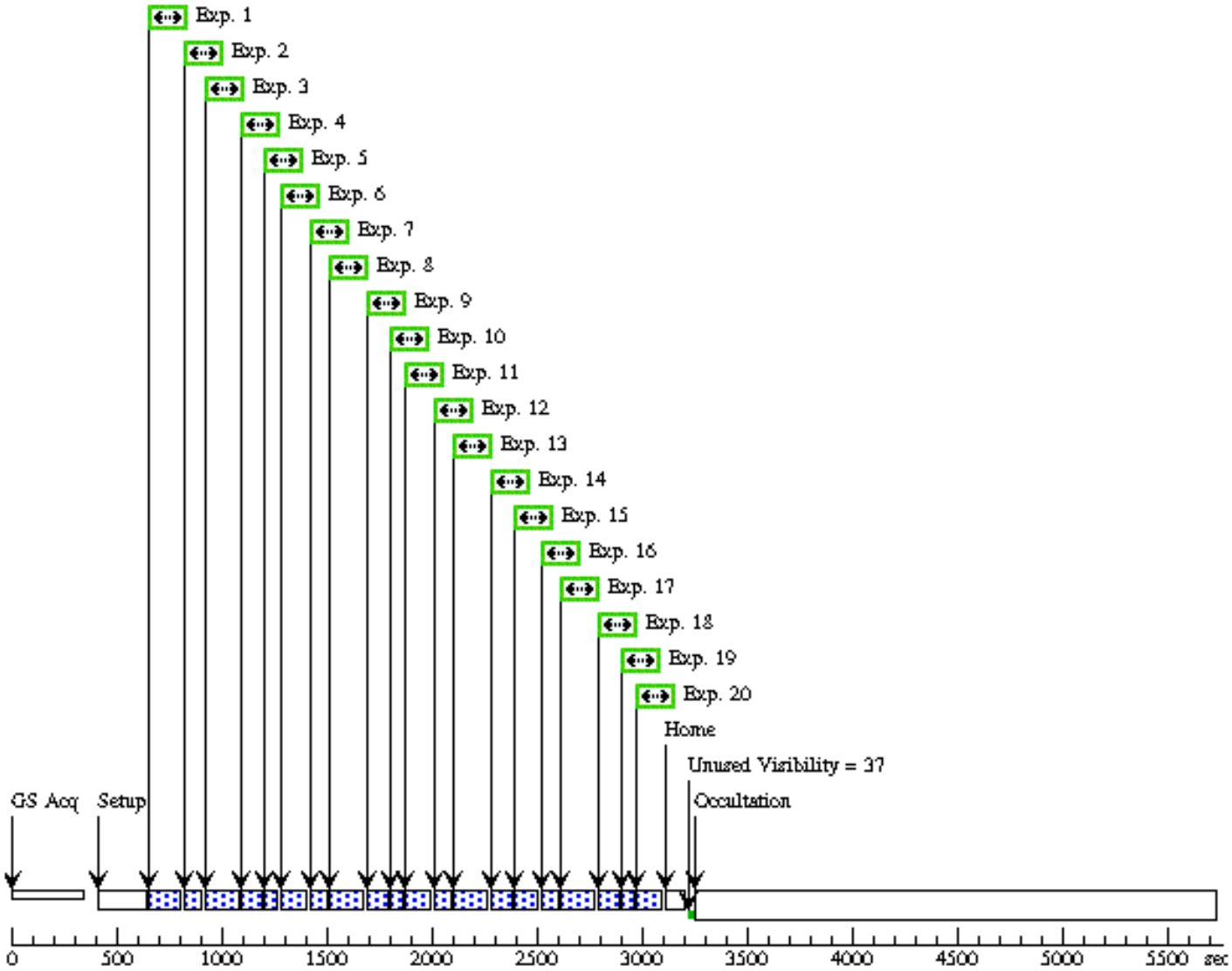
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(15) NGC7293	FGS, POS, 1	F583W		POS TARG 0,0; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
3	50	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
4	60	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	 ***[1]***
5	70	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs *[==>]*	 ***[1]***
6	80	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
7	90	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
8	100	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
9	110	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	 ***[1]***
10	120	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs *[==>]*	 ***[1]***
11	130	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***
12	140	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
13	150	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
14	160	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	 ***[1]***
15	180	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***
16	190	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
17	200	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
18	210	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	 ***[1]***
19	220	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs *[==>]*	 ***[1]***
20	230	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 09 Wed Apr 26 01:11:26 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; ORIENT 225.0D TO 236.5 D; BETWEEN 24-MAY-2006:00:00:00 AND 25-MAY-2006:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	NGC7293	RA: 22 29 38.5400 (337.4105833d) Dec: -20 50 13.60 (-20.83711d) Equinox: J2000 Plate Id: (?)		V=13.53+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(16)	NGC7293-1-REF	RA: 22 29 47.2800 (337.4470000d) Dec: -20 50 30.60 (-20.84183d) Equinox: J2000 Plate Id: (?)		V=13.1+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(17)	NGC7293-2-REF	RA: 22 29 27.6100 (337.3650417d) Dec: -20 51 41.50 (-20.86153d) Equinox: J2000 Plate Id: (?)		V=11.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(18)	NGC7293-3-REF	RA: 22 29 38.0200 (337.4084167d) Dec: -20 52 16.30 (-20.87119d) Equinox: J2000 Plate Id: (?)		V=15.2+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(20)	NGC7293-5-REF	RA: 22 29 21.6200 (337.3400833d) Dec: -20 51 21.30 (-20.85592d) Equinox: J2000 Plate Id: (?)		V=12.5+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

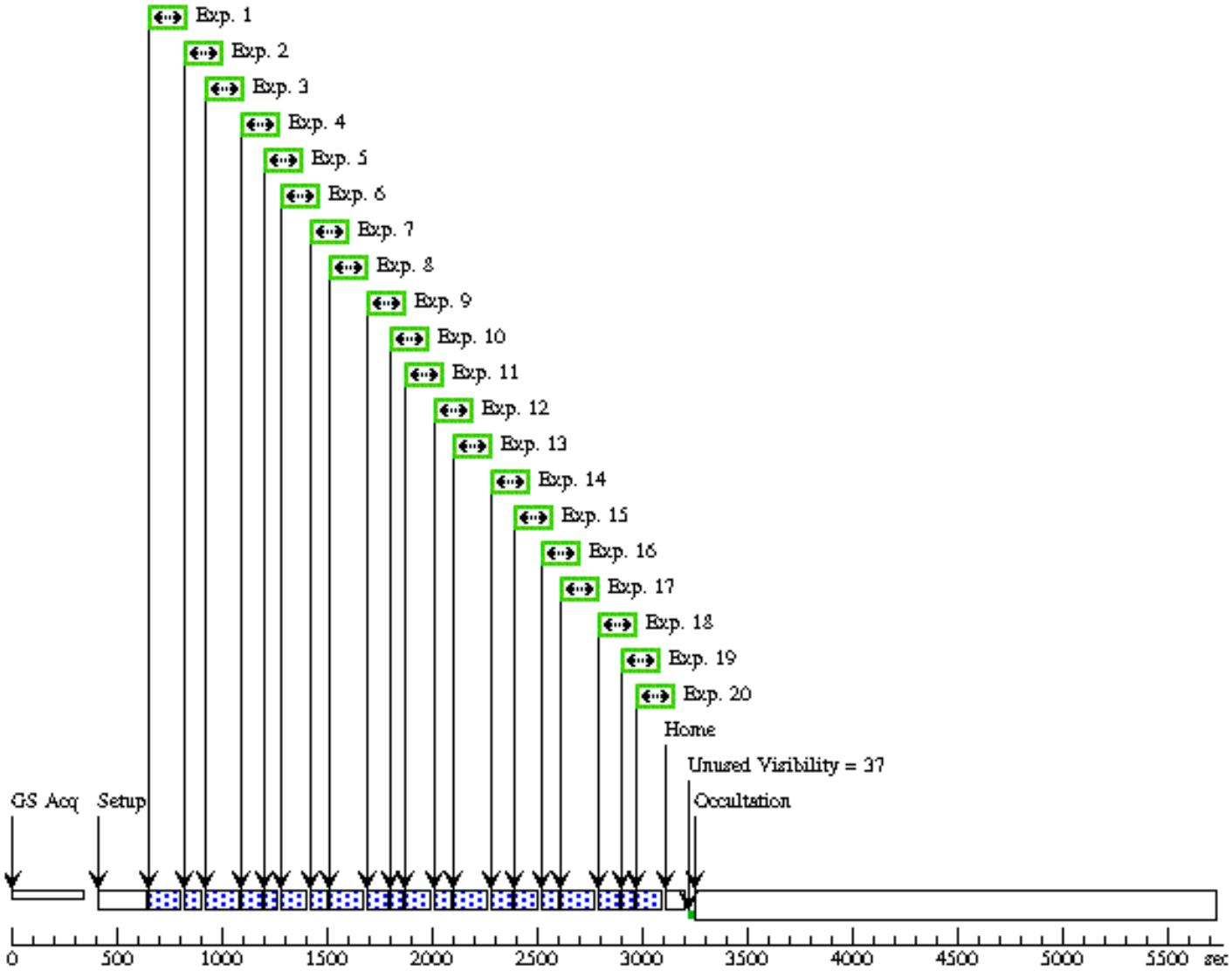
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(15) NGC7293	FGS, POS, 1	F583W		POS TARG 0,0; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
3	50	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
4	60	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	 ***[1]***
5	70	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs *[==>]*	 ***[1]***
6	80	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
7	90	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	***[1]***
8	100	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	***[1]***
9	110	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	***[1]***
10	120	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs *[==>]*	***[1]***
11	130	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	***[1]***
12	140	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	***[1]***
13	150	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	***[1]***
14	160	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	***[1]***
15	180	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	***[1]***
16	190	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	***[1]***
17	200	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	***[1]***
18	210	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	30.0 Secs *[==>]*	***[1]***
19	220	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs *[==>]*	***[1]***
20	230	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 10 Wed Apr 26 01:11:27 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 225.0D TO 236.5 D; BETWEEN 09-JUN-2006:00:00:00 AND 10-JUN-2006:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	NGC7293	RA: 22 29 38.5400 (337.4105833d) Dec: -20 50 13.60 (-20.83711d) Equinox: J2000 Plate Id: (?)		V=13.53+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(16)	NGC7293-1-REF	RA: 22 29 47.2800 (337.4470000d) Dec: -20 50 30.60 (-20.84183d) Equinox: J2000 Plate Id: (?)		V=13.1+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(17)	NGC7293-2-REF	RA: 22 29 27.6100 (337.3650417d) Dec: -20 51 41.50 (-20.86153d) Equinox: J2000 Plate Id: (?)		V=11.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(18)	NGC7293-3-REF	RA: 22 29 38.0200 (337.4084167d) Dec: -20 52 16.30 (-20.87119d) Equinox: J2000 Plate Id: (?)		V=15.2+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(20)	NGC7293-5-REF	RA: 22 29 21.6200 (337.3400833d) Dec: -20 51 21.30 (-20.85592d) Equinox: J2000 Plate Id: (?)		V=12.5+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

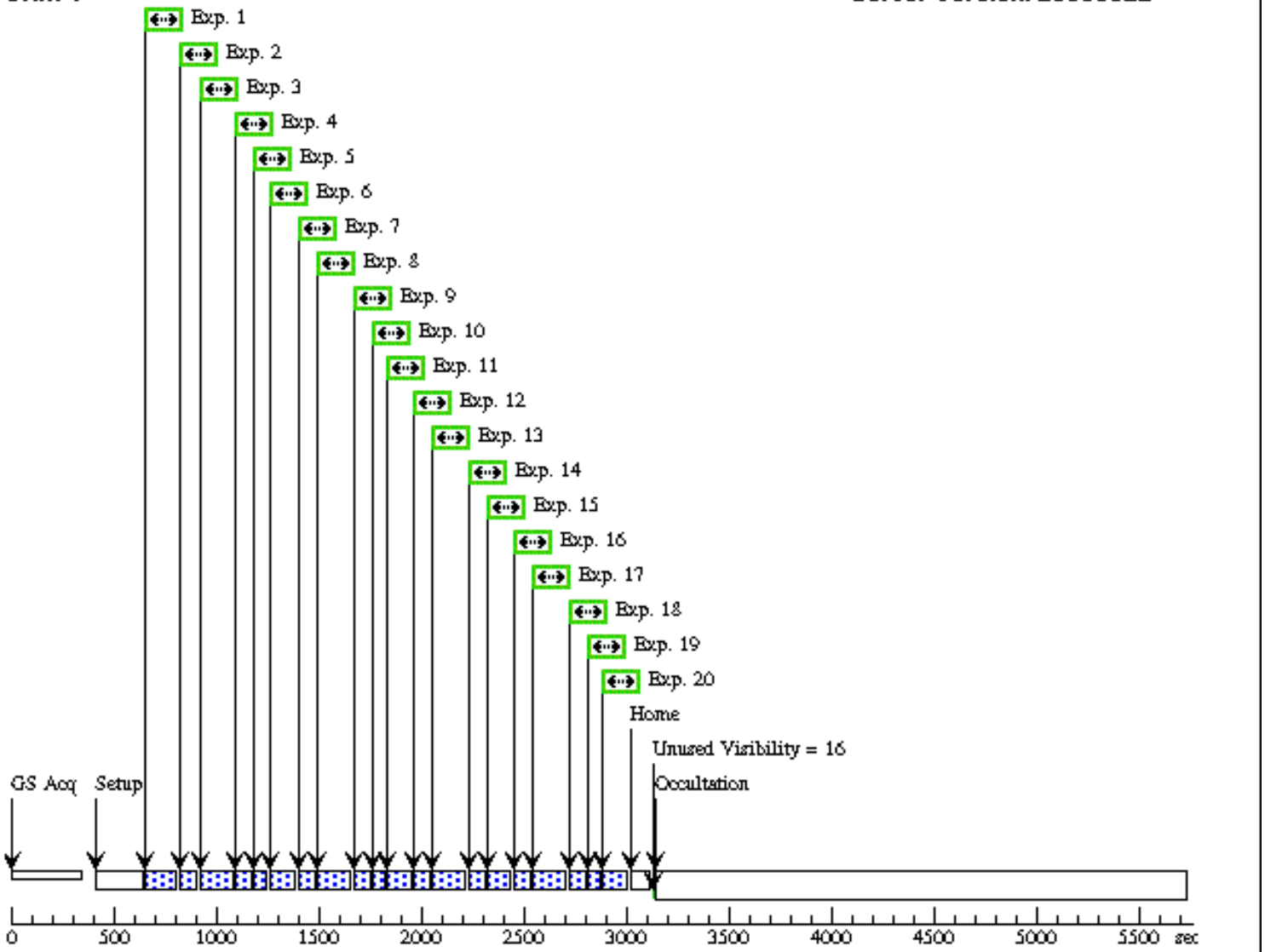
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	10	(15) NGC7293	FGS, POS, 1	F583W		POS TARG 0,0; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
3	50	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
4	60	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	10.0 Secs *[==>]*	 ***[1]***
5	70	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	20.0 Secs *[==>]*	 ***[1]***
6	80	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
7	90	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
8	100	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
9	110	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	10.0 Secs *[==>]*	 ***[1]***
10	120	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	15.0 Secs *[==>]*	 ***[1]***
11	130	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***
12	140	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
13	150	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
14	160	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	10.0 Secs *[==>]*	 ***[1]***
15	180	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***
16	190	(16) NGC7293-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	25.0 Secs *[==>]*	 ***[1]***
17	200	(18) NGC7293-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	45.0 Secs *[==>]*	 ***[1]***
18	210	(17) NGC7293-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	10.0 Secs *[==>]*	 ***[1]***
19	220	(20) NGC7293-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	15.0 Secs *[==>]*	 ***[1]***
20	230	(15) NGC7293	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-20 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 11 Wed Apr 26 01:11:28 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; ORIENT 160.0D TO 173.0 D; BETWEEN 10-SEP-2005:00:00:00 AND 13-SEP-2005:00:00:00

Fixed Targets

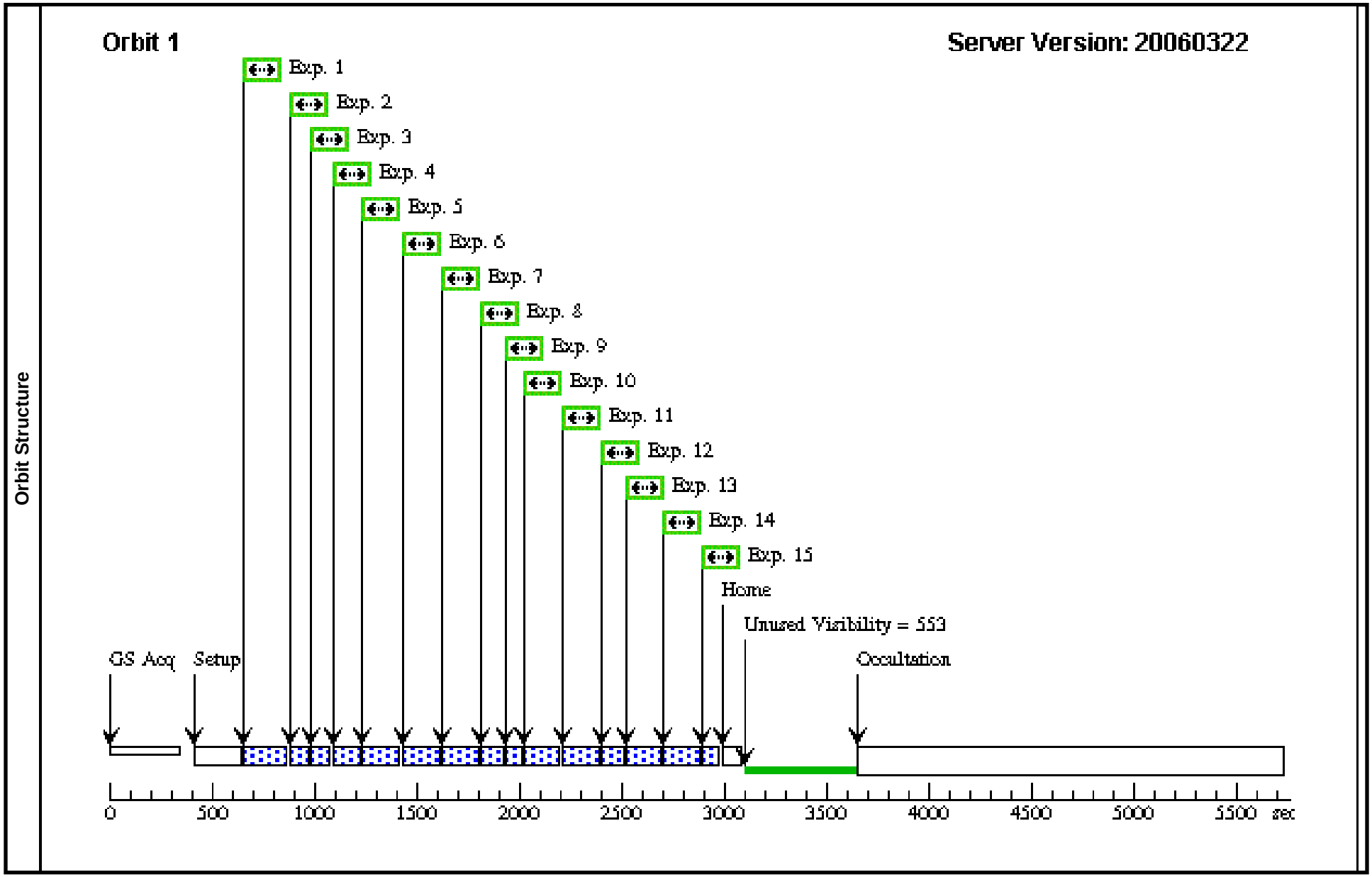
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	DEHT5 Alt Name1: WD 2218+706 Alt Name2: PK 111+11 1	RA: 22 19 33.7000 (334.8904167d) Dec: +70 56 1.00 (70.93361d) Equinox: J2000 Plate Id: (?)		V=15.47+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(10)	D-1-REF	RA: 22 19 33.8800 (334.8911667d) Dec: +70 56 58.00 (70.94944d) Equinox: J2000 Plate Id: (?)		V=15.6+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(11)	D-2-REF	RA: 22 19 34.2200 (334.8925833d) Dec: +70 53 29.10 (70.89142d) Equinox: J2000 Plate Id: (?)		V=14.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(13)	D-4-REF	RA: 22 19 45.5090 (334.9396208d) Dec: +70 58 47.39 (70.97983d) Equinox: J2000 Plate Id: (?)		V=11.66	Coordinate Source: GUIDE_STAR_CATALOG
(14)	D-5-REF	RA: 22 19 58.6100 (334.9942083d) Dec: +70 55 14.05 (70.92057d) Equinox: J2000 Plate Id: (?)		V=13.47+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	20	(9) DEHT5	FGS, POS, 1	F583W		POS TARG -19,-20; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	20.0 Secs *[==>]*	 ***[1]***
3	50	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	25.0 Secs *[==>]*	 ***[1]***
4	60	(11) D-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
5	80	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
6	90	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
7	100	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
8	110	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	25.0 Secs *[==>]*	 ***[1]***
9	130	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	20.0 Secs *[==>]*	 ***[1]***
10	142	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
11	144	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
12	170	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	25.0 Secs *[==>]*	 ***[1]***
13	180	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
14	190	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
15	210	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	20.0 Secs *[==>]*	 ***[1]***


Orbit 1
Server Version: 20060322
Orbit Structure
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
Exp. 7
Exp. 8
Exp. 9
Exp. 10
Exp. 11
Exp. 12
Exp. 13
Exp. 14
Exp. 15
Home
Unused Visibility = 553
GS Acq
Setup
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 10611, Visit 12 Wed Apr 26 01:11:28 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; ORIENT 106.0D TO 106.3 D; BETWEEN 27-OCT-2005:00:00:00 AND 31-OCT-2005:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	DEHT5 Alt Name1: WD 2218+706 Alt Name2: PK 111+11 1	RA: 22 19 33.7000 (334.8904167d) Dec: +70 56 1.00 (70.93361d) Equinox: J2000 Plate Id: (?)		V=15.47+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(10)	D-1-REF	RA: 22 19 33.8800 (334.8911667d) Dec: +70 56 58.00 (70.94944d) Equinox: J2000 Plate Id: (?)		V=15.6+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(11)	D-2-REF	RA: 22 19 34.2200 (334.8925833d) Dec: +70 53 29.10 (70.89142d) Equinox: J2000 Plate Id: (?)		V=14.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(12)	D-3-REF	RA: 22 19 15.8000 (334.8158333d) Dec: +70 54 33.10 (70.90919d) Equinox: J2000 Plate Id: (?)		V=13.8+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(14)	D-5-REF	RA: 22 19 58.6100 (334.9942083d) Dec: +70 55 14.05 (70.92057d) Equinox: J2000 Plate Id: (?)		V=13.47+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

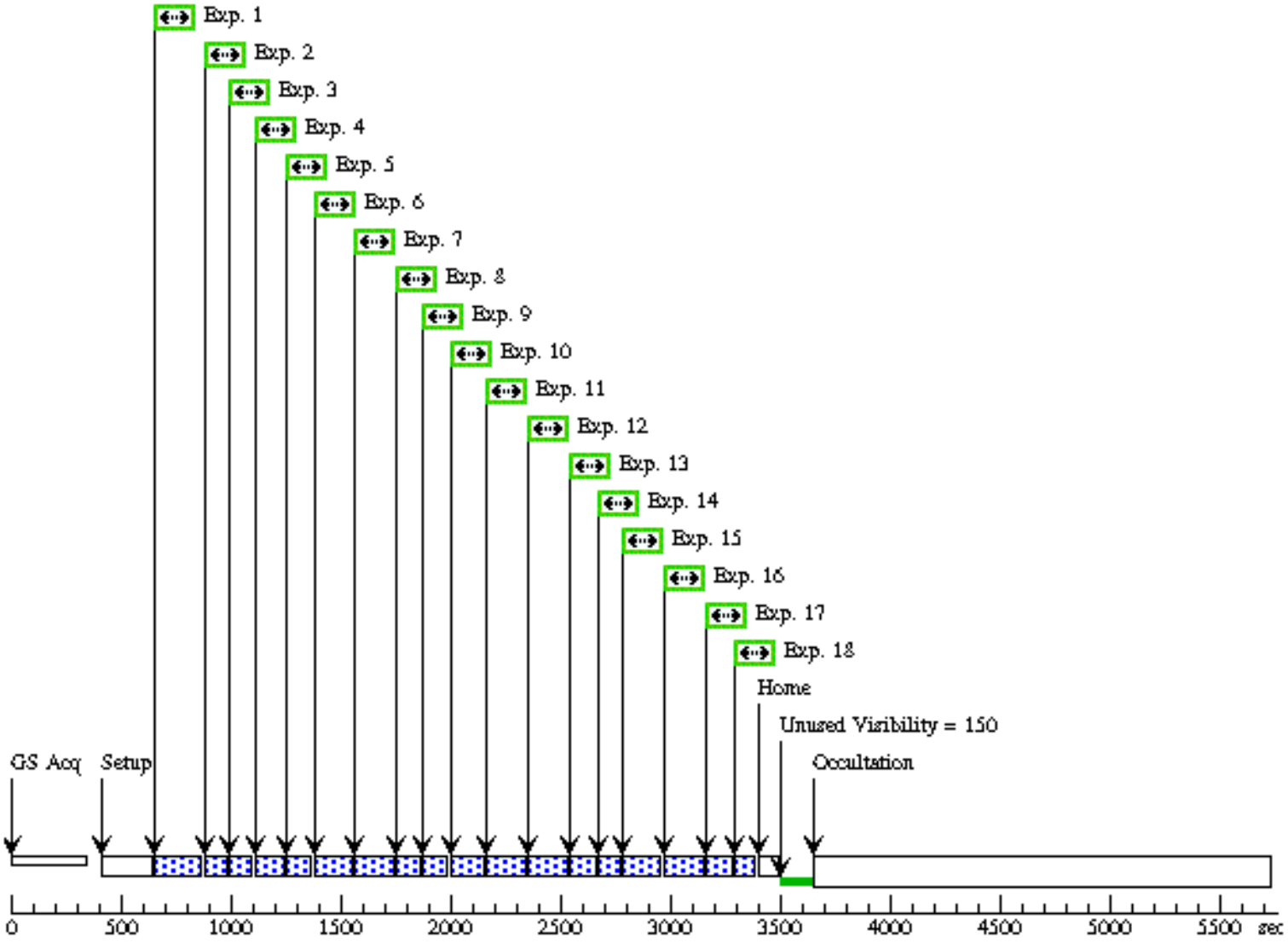
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	20	(9) DEHT5	FGS, POS, 1	F583W		POS TARG 35,41; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	20.0 Secs *[==>]*	 ***[1]***
3	50	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	25.0 Secs *[==>]*	 ***[1]***
4	60	(11) D-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***
5	80	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***
6	90	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
7	100	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***
8	110	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	25.0 Secs *[==>]*	 ***[1]***
9	120	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	35.0 Secs *[==>]*	 ***[1]***
10	130	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	20.0 Secs *[==>]*	 ***[1]***
11	142	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***
12	144	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***
13	150	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	35.0 Secs *[==>]*	 ***[1]***
14	170	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	25.0 Secs *[==>]*	 ***[1]***
15	180	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***
16	190	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	50.0 Secs *[==>]*	 ***[1]***
17	200	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	35.0 Secs *[==>]*	 ***[1]***
18	210	(11) D-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-18 Non-Int	20.0 Secs *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 13 Wed Apr 26 01:11:29 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; ORIENT 0.0D TO 9.0 D; BETWEEN 17-FEB-2006:00:00:00 AND 18-FEB-2006:00:00:00

Fixed Targets

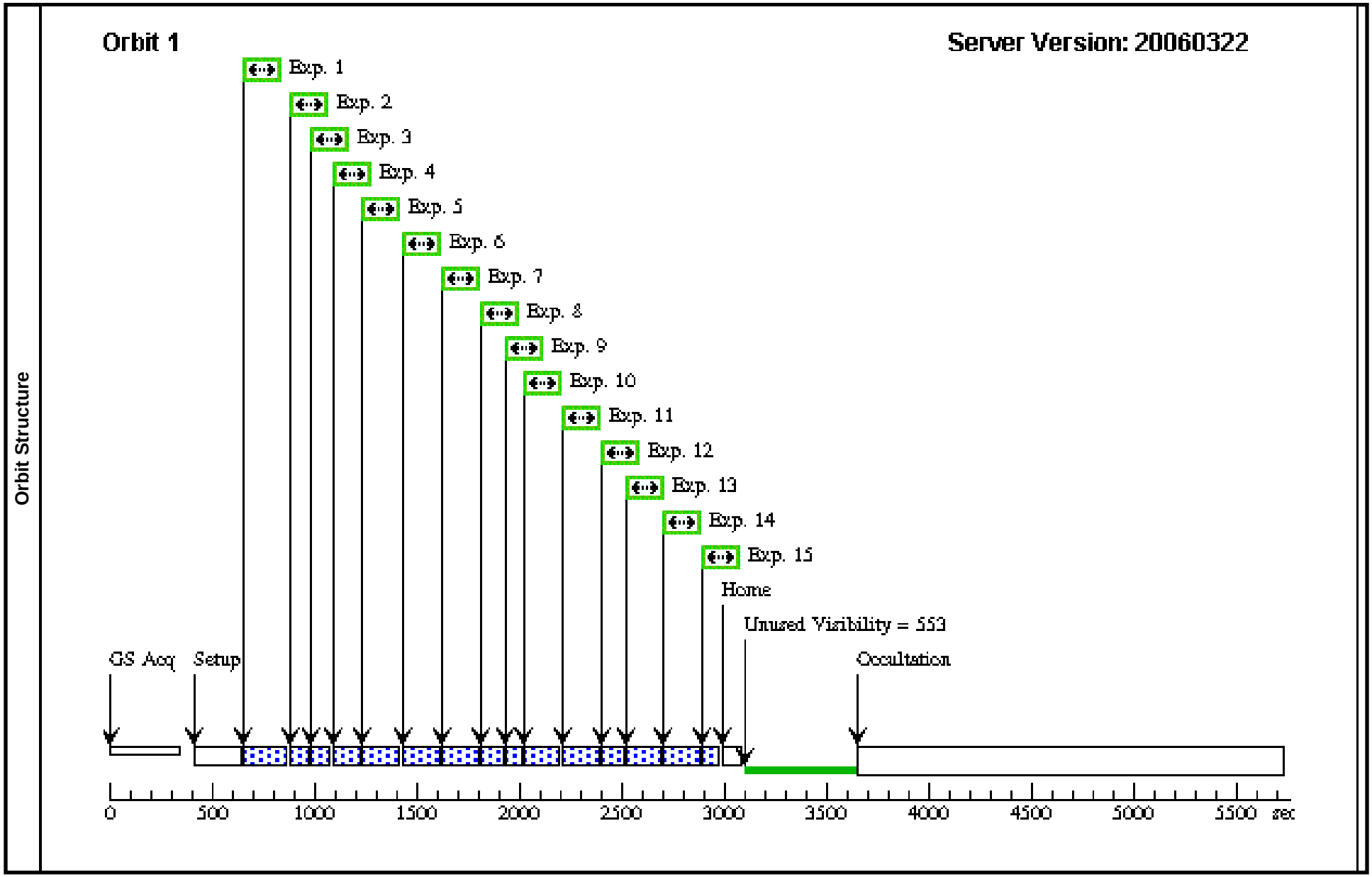
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	DEHT5 Alt Name1: WD 2218+706 Alt Name2: PK 111+11 1	RA: 22 19 33.7000 (334.8904167d) Dec: +70 56 1.00 (70.93361d) Equinox: J2000 Plate Id: (?)		V=15.47+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(10)	D-1-REF	RA: 22 19 33.8800 (334.8911667d) Dec: +70 56 58.00 (70.94944d) Equinox: J2000 Plate Id: (?)		V=15.6+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(11)	D-2-REF	RA: 22 19 34.2200 (334.8925833d) Dec: +70 53 29.10 (70.89142d) Equinox: J2000 Plate Id: (?)		V=14.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(13)	D-4-REF	RA: 22 19 45.5090 (334.9396208d) Dec: +70 58 47.39 (70.97983d) Equinox: J2000 Plate Id: (?)		V=11.66	Coordinate Source: GUIDE_STAR_CATALOG
(14)	D-5-REF	RA: 22 19 58.6100 (334.9942083d) Dec: +70 55 14.05 (70.92057d) Equinox: J2000 Plate Id: (?)		V=13.47+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	20	(9) DEHT5	FGS, POS, 1	F583W		POS TARG -13,29; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	20.0 Secs *[==>]*	 ***[1]***
3	50	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	25.0 Secs *[==>]*	 ***[1]***
4	60	(11) D-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
5	80	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
6	90	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
7	100	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
8	110	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	25.0 Secs *[==>]*	 ***[1]***
9	130	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	20.0 Secs *[==>]*	 ***[1]***
10	142	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
11	144	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
12	170	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	25.0 Secs *[==>]*	 ***[1]***
13	180	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
14	190	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	50.0 Secs *[==>]*	 ***[1]***
15	210	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-15 Non-Int	20.0 Secs *[==>]*	 ***[1]***


Orbit 1
Server Version: 20060322
Orbit Structure
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
Exp. 7
Exp. 8
Exp. 9
Exp. 10
Exp. 11
Exp. 12
Exp. 13
Exp. 14
Exp. 15
Home
Unused Visibility = 553
GS Acq
Setup
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 10611, Visit 14 Wed Apr 26 01:11:30 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; ORIENT 185.0D TO 230.0 D; BETWEEN 08-AUG-2006:00:00:00 AND 09-AUG-2006:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	DEHT5 Alt Name1: WD 2218+706 Alt Name2: PK 111+11 1	RA: 22 19 33.7000 (334.8904167d) Dec: +70 56 1.00 (70.93361d) Equinox: J2000 Plate Id: (?)		V=15.47+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(10)	D-1-REF	RA: 22 19 33.8800 (334.8911667d) Dec: +70 56 58.00 (70.94944d) Equinox: J2000 Plate Id: (?)		V=15.6+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(11)	D-2-REF	RA: 22 19 34.2200 (334.8925833d) Dec: +70 53 29.10 (70.89142d) Equinox: J2000 Plate Id: (?)		V=14.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(12)	D-3-REF	RA: 22 19 15.8000 (334.8158333d) Dec: +70 54 33.10 (70.90919d) Equinox: J2000 Plate Id: (?)		V=13.8+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(13)	D-4-REF	RA: 22 19 45.5090 (334.9396208d) Dec: +70 58 47.39 (70.97983d) Equinox: J2000 Plate Id: (?)		V=11.66	Coordinate Source: GUIDE_STAR_CATALOG
(14)	D-5-REF	RA: 22 19 58.6100 (334.9942083d) Dec: +70 55 14.05 (70.92057d) Equinox: J2000 Plate Id: (?)		V=13.47+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

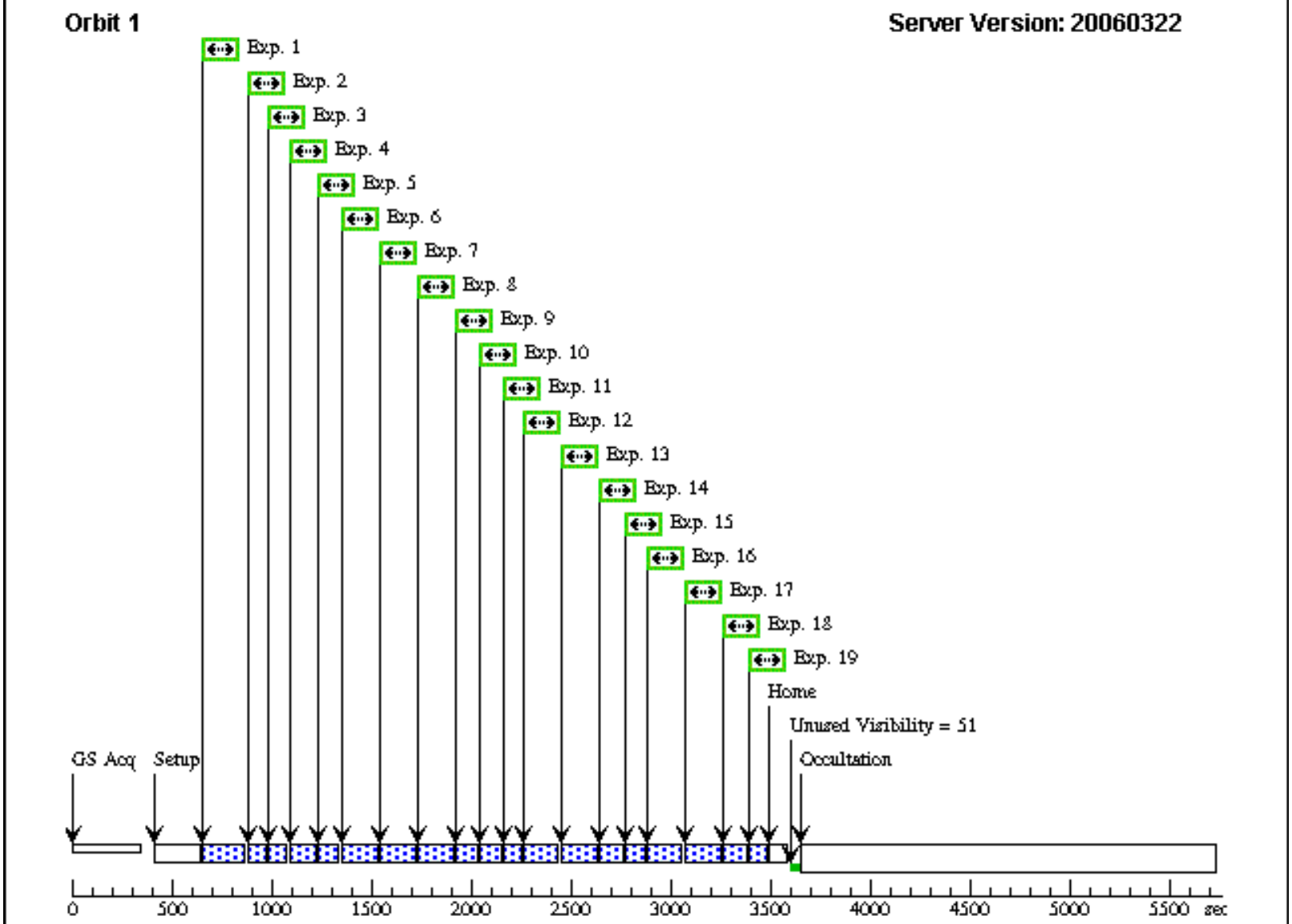
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	20	(9) DEHT5	FGS, POS, 1	F583W		POS TARG 3,-31; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***
3	50	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
4	60	(11) D-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
5	70	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	35.0 Secs *[==>]*	 ***[1]***
6	80	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
7	90	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
8	100	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
9	110	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
10	120	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	35.0 Secs *[==>]*	 ***[1]***
11	130	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***
12	142	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
13	144	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
14	150	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	35.0 Secs *[==>]*	 ***[1]***
15	170	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
16	180	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
17	190	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
18	200	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	35.0 Secs *[==>]*	 ***[1]***
19	210	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 10611, Visit 15 Wed Apr 26 01:11:31 GMT 2006

Diagnostic Status: No Diagnostics

Scientific Instruments: FGS

Special Requirements: PCS MODE FINE; ORIENT 185.0D TO 230.0 D; BETWEEN 10-AUG-2006:00:00:00 AND 11-AUG-2006:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	DEHT5 Alt Name1: WD 2218+706 Alt Name2: PK 111+11 1	RA: 22 19 33.7000 (334.8904167d) Dec: +70 56 1.00 (70.93361d) Equinox: J2000 Plate Id: (?)		V=15.47+/-0.1	Coordinate Source: GUIDE_STAR_CATALOG
(10)	D-1-REF	RA: 22 19 33.8800 (334.8911667d) Dec: +70 56 58.00 (70.94944d) Equinox: J2000 Plate Id: (?)		V=15.6+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(11)	D-2-REF	RA: 22 19 34.2200 (334.8925833d) Dec: +70 53 29.10 (70.89142d) Equinox: J2000 Plate Id: (?)		V=14.4+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(12)	D-3-REF	RA: 22 19 15.8000 (334.8158333d) Dec: +70 54 33.10 (70.90919d) Equinox: J2000 Plate Id: (?)		V=13.8+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG
(13)	D-4-REF	RA: 22 19 45.5090 (334.9396208d) Dec: +70 58 47.39 (70.97983d) Equinox: J2000 Plate Id: (?)		V=11.66	Coordinate Source: GUIDE_STAR_CATALOG
(14)	D-5-REF	RA: 22 19 58.6100 (334.9942083d) Dec: +70 55 14.05 (70.92057d) Equinox: J2000 Plate Id: (?)		V=13.47+/-0.3	Coordinate Source: GUIDE_STAR_CATALOG

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	20	(9) DEHT5	FGS, POS, 1	F583W		POS TARG 3,-31; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
2	30	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***
3	50	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
4	60	(11) D-2-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***

Exposures (continued)

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
5	70	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	35.0 Secs *[==>]*	 ***[1]***
6	80	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
7	90	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
8	100	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
9	110	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
10	120	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	35.0 Secs *[==>]*	 ***[1]***
11	130	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***
12	142	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
13	144	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
14	150	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	35.0 Secs *[==>]*	 ***[1]***
15	170	(14) D-5-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	25.0 Secs *[==>]*	 ***[1]***
16	180	(9) DEHT5	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
17	190	(10) D-1-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	50.0 Secs *[==>]*	 ***[1]***
18	200	(12) D-3-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	35.0 Secs *[==>]*	 ***[1]***
19	210	(13) D-4-REF	FGS, POS, 1	F583W		SAME POS AS 1; MAX DUR 100.0 %	Sequence 1-19 Non-Int	20.0 Secs *[==>]*	 ***[1]***

Orbit Structure