12966 - The Nature of Dark Matter: Halo Cusps or Cores from dSph internal proper motion dynamics

Cycle: 20, Proposal Category: GO

(Availability Mode: AVAILABLE)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) DRACO-DWARF-F1	ACS/WFC WFC3/UVIS	3	15-Mar-2013 01:02:07.0	yes
02	(2) DRACO-DWARF-F2	ACS/WFC WFC3/UVIS	3	15-Mar-2013 01:02:38.0	yes
03	(3) DRACO-DWARF-F3	ACS/WFC WFC3/UVIS	3	15-Mar-2013 01:03:06.0	yes
04	(4) SCULPTOR-DWARF-F1	ACS/WFC WFC3/UVIS	4	15-Mar-2013 01:03:45.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
05	(5) SCULPTOR-DWARF-F2	ACS/WFC WFC3/UVIS	4	15-Mar-2013 01:04:22.0	yes

17 Total Orbits Used

ABSTRACT

An important discriminator between different models for the dark matter (DM) in the universe (cold vs. warm) is the density profile slope near the center of DM halos. CDM predicts a steep cusp, whereas WDM predicts a homogeneous core. Interpretation of observational results from disk galaxy rotation curves has been ambiguous, due to the influence of the luminous baryons on the measured DM halo structure. To better address this so-called "core-cusp" problem it is important to focus on the most DM-dominated systems known: Milky Way dwarf spheroidal galaxies. While good line-of-sight (LOS) velocity datasets exist (some thousand stars per galaxy), interpretation is plagued by the well-known mass vs. velocity-anisotropy degeneracy of stellar dynamics. This can be resolved with stellar proper motion measurements, but none exist to date. Such measurements were anticipated to be a key program for the NASA/SIM mission, but this was canceled. Fortunately, time baselines are now long enough for HST to address this problem for the very first time. We will image previously imaged fields in Draco and Sculptor (five fields total) to measure the internal proper motion dynamics for hundreds of stars. This will yield the best determinations to date of the DM density slope in any galaxy, discriminating between a core or cusp at 3-sigma confidence. This will provide important new constraints on the nature of DM.

OBSERVING DESCRIPTION

To determine proper motions, we will reobserve five fields (three in the Draco dSph and two in the Sculptor dSph) with ACS/WFC and the same filter as used for the first epoch data. We will expose each Draco field for 3 orbits, and each Sculptor field for 4 orbits (i.e., 17 total orbits). We will use similar exposure times of about 400 sec as in the first epoch. We will use dither patterns pecifically tailored by CoI Jay Anderson for this program. These are specificied using POS TARGs on the individual exposures; no pre-specified patterns are used. We will also take one short additional exposure at the first dither position of each orbit in a second filter for each field, to construct

V-I color-magnitude diagrams (CMDs). These will aid in the identification of member stars in each galaxy.

We will also observe parallel fields with WFC3 in coordinated parallel mode. Whereas these parallel data will not yield PMs, they will allow construction of CMDs for analysis of the stellar populations of these galaxies. There will be only two WFC3 exposures per orbit (limited by the time needed to do buffer dumps). These will execute in a V and an I filter, respectively.

To mitigate the impact of CTE in our science, we plan to use POST-FLASH on all of the ACS and WFC3 exposures. The ACS and WFC3 teams at STScI have committed to fully calibrate the POST-FLASH capabilities in time for Cycle 20, as communicated in a recent STScI white paper to the astronomical community. However, at this time, the POST-FLASH capabilities (and in particular the exposure times) have not been calibrated. Our exposure-level optional parameters on all exposures related to POST-FLASH are therefore only placeholders at this time. THEY WILL NEED TO BE EDITED AND REFINED BEFORE THE PROPOSAL CAN EXECUTE. For this reason, all visits are currently placed ON HOLD.

ACS POST-FLASH optional parameters can only be entered at this time as an "available-but-unsupported" mode. We therefore marked the box for this on the Phase II cover page.

Visit

Proposal 12966, Visit 01, implementation Fri Mar 15 01:04:38 GMT 2013

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SCHED 50%; ORIENT 55.878098D TO 55.878098 D

Comments: This visit is for DRACO-F1.

Fixed Targets

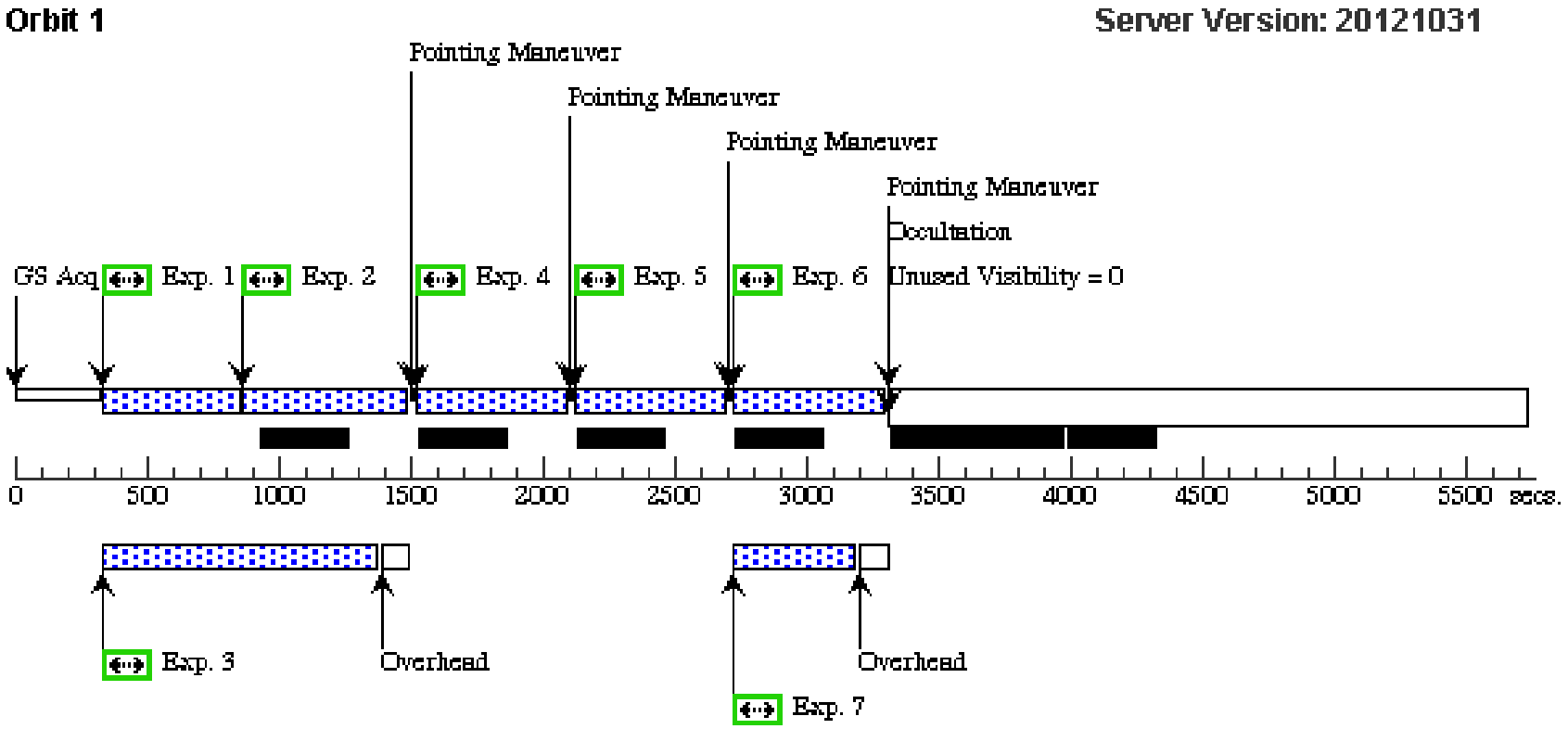
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	DRACO-DWARF-F1	RA: 17 20 52.3000 (260.2179167d) Dec: +57 55 14.00 (57.92056d) Equinox: J2000		V=10.9+/-0.1	Reference Frame: ICRS

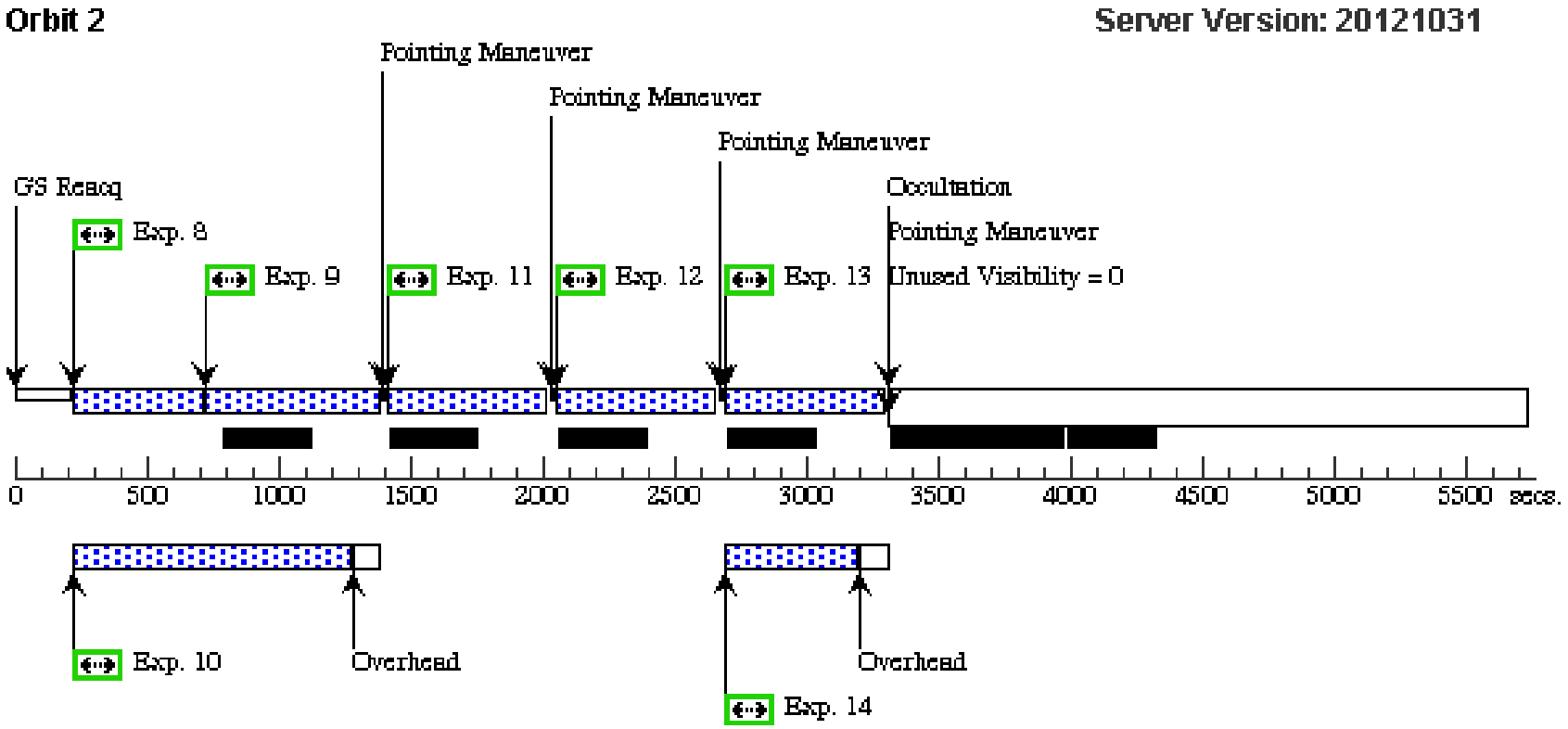
Comments: This object was generated by the targetselector and retrieved from the NED database.

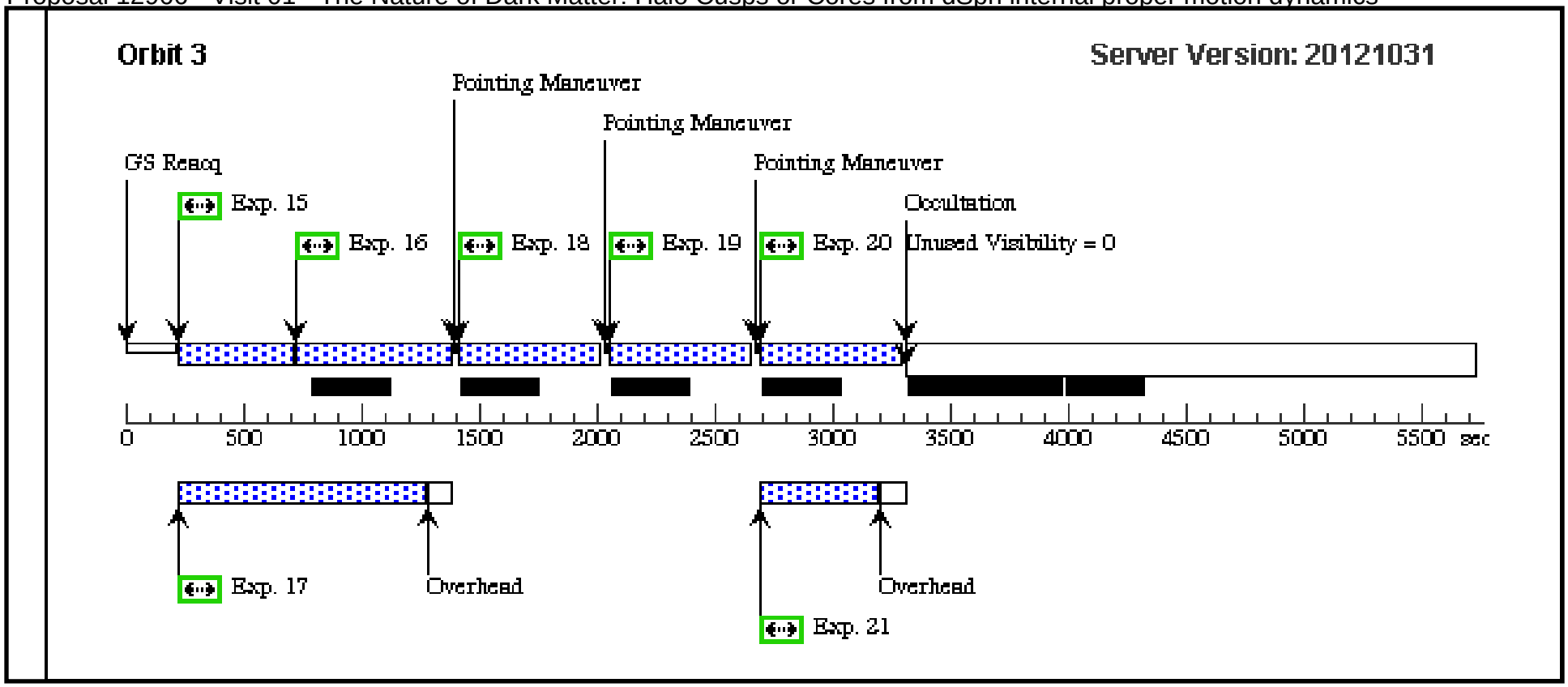
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F814W	FLASH=150.0	POS TARG -0.23146667,-0.23146667	Prime + Parallel Group 1-3 in Visit 01	297 Secs	
								[==>]	***[1]***
2		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	SAME POS AS 1	Prime + Parallel Group 1-3 in Visit 01	430 Secs	
								[==>]	***[1]***
3		(1) DRACO-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 1-3 in Visit 01	1014 Secs	
								[==>]	***[1]***
4		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG -0.06675667,-0.21908667		430 Secs	
								[==>]	***[1]***
5		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG 0.09784333,-0.20671667		430 Secs	
								[==>]	***[1]***
6		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG -0.15679667,-0.10208667	Prime + Parallel Group 6-7 in Visit 01	430 Secs	
								[==>]	***[1]***
7		(1) DRACO-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 6-7 in Visit 01	442 Secs	
								[==>]	***[1]***
8		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F814W	FLASH=150.0	POS TARG 0.00787333,-0.08970667	Prime + Parallel Group 8-10 in Visit 01	295 Secs	
								[==>]	***[2]***
9		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	SAME POS AS 8	Prime + Parallel Group 8-10 in Visit 01	465 Secs	
								[==>]	***[2]***
10		(1) DRACO-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 8-10 in Visit 01	1031 Secs	
								[==>]	***[2]***
11		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG 0.17247333,-0.07733667		465 Secs	
								[==>]	***[2]***
12		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG 0.23146667,0.23146667		465 Secs	
								[==>]	***[2]***
13		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG 0.39617667,0.24384667	Prime + Parallel Group 13-14 in Visit 01	465 Secs	
								[==>]	***[2]***
14		(1) DRACO-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 13-14 in Visit 01	477 Secs	
								[==>]	***[2]***
15		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F814W	FLASH=150.0	POS TARG 0.56077667,0.25621667	Prime + Parallel Group 15-17 in Visit 01	295 Secs	
								[==>]	***[3]***
16		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	SAME POS AS 15	Prime + Parallel Group 15-17 in Visit 01	465 Secs	
								[==>]	***[3]***
17		(1) DRACO-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 15-17 in Visit 01	1031 Secs	
								[==>]	***[3]***
18		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG 0.30613667,0.36084667		465 Secs	
								[==>]	***[3]***
19		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG 0.47080667,0.37322667		465 Secs	
								[==>]	***[3]***
20		(1) DRACO-DWARF-F1	ACS/WFC, ACCUM, WFC1	F606W	FLASH=150.0	POS TARG 0.63540667,0.38559667	Prime + Parallel Group 20-21 in Visit 01	465 Secs	
								[==>]	***[3]***
21		(1) DRACO-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 20-21 in Visit 01	477 Secs	
								[==>]	***[3]***

Orbit Structure




Orbit 2
Server Version: 20121031
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
GS Reacq
Occultation
Exp. 8
Pointing Maneuver
Exp. 9
Exp. 11
Exp. 12
Exp. 13
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Exp. 10
Overhead
Overhead
Exp. 14


Orbit 3
Server Version: 20121031
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
GS Reacq
Exp. 15
Exp. 16
Exp. 18
Exp. 19
Exp. 20
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 17
Overhead
Overhead
Exp. 21

Visit	
	Proposal 12966, Visit 02, completed Fri Mar 15 01:04:43 GMT 2013
	Diagnostic Status: Error
	Scientific Instruments: WFC3/UVIS, ACS/WFC
	Special Requirements: ORIENT 48.0D TO 48.0 D
	Comments: This visit is for DRACO-F2.

Diagnostics

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 4 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 02)) Error (Form): ACCUM is not a valid selection.

(Exposure 4 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 4 (Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Exposure 4 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Exposure 5 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 5 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 5 (Visit 02)) Error (Form): ACCUM is not a valid selection.

(Exposure 5 (Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Exposure 5 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 5 (Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Exposure 5 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 5 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 5 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Exposure 11 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Exposure 11 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 11 (Visit 02)) Error (Form): ACCUM is not a valid selection.

(Exposure 11 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 12 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 12 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 12 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 12 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 12 (Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Exposure 12 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 12 (Visit 02)) Error (Form): ACCUM is not a valid selection.

(Exposure 12 (Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Exposure 12 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 18 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 18 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 18 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 18 (Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Exposure 18 (Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Exposure 18 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 18 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 18 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 18 (Visit 02)) Error (Form): ACCUM is not a valid selection.

(Exposure 19 (Visit 02)) Error (Form): ACCUM is not a valid selection.

(Exposure 19 (Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Exposure 19 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 19 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 19 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 19 (Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Exposure 19 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 19 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 19 (Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 02)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

Fixed Targets

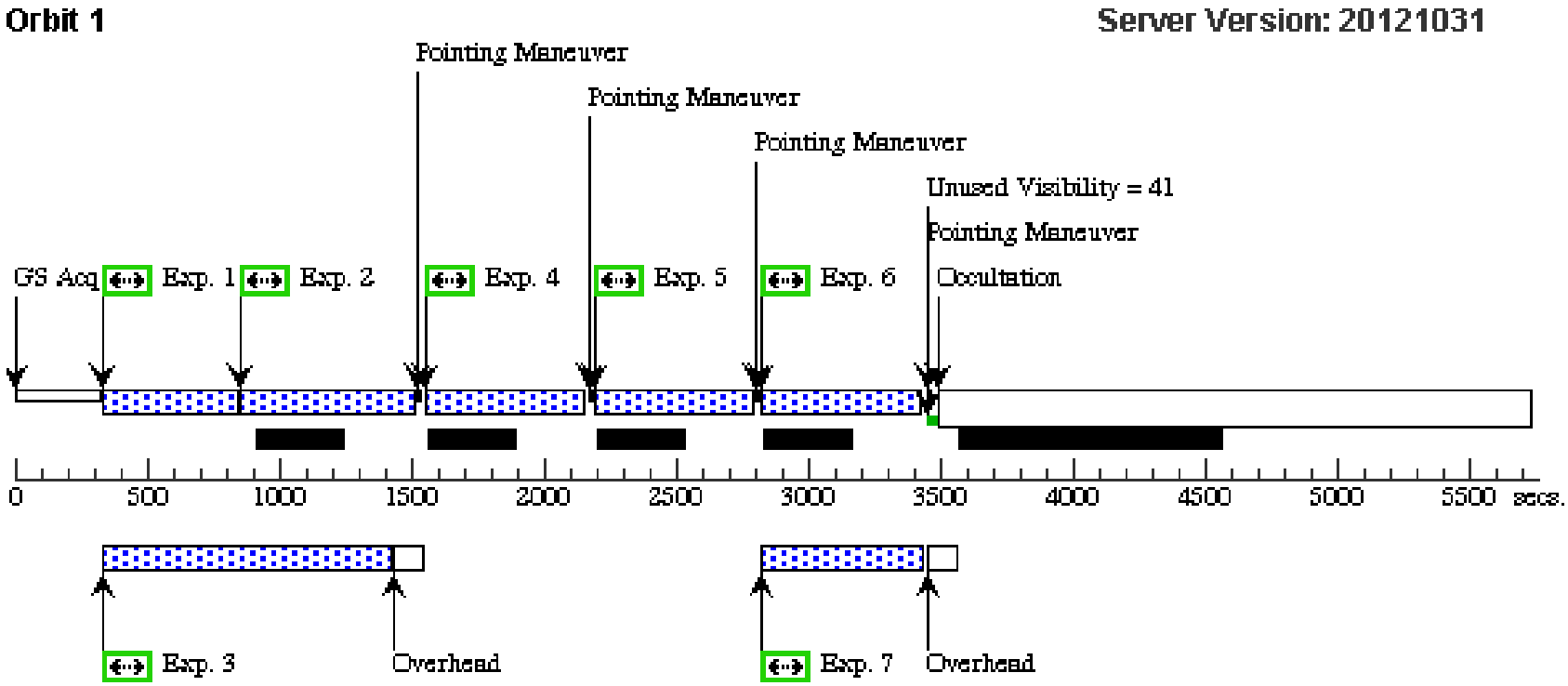
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	DRACO-DWARF-F2	RA: 17 21 48.3000 (260.4512500d) Dec: +57 58 6.00 (57.96833d) Equinox: J2000		V=10.9+/-0.1	Reference Frame: ICRS

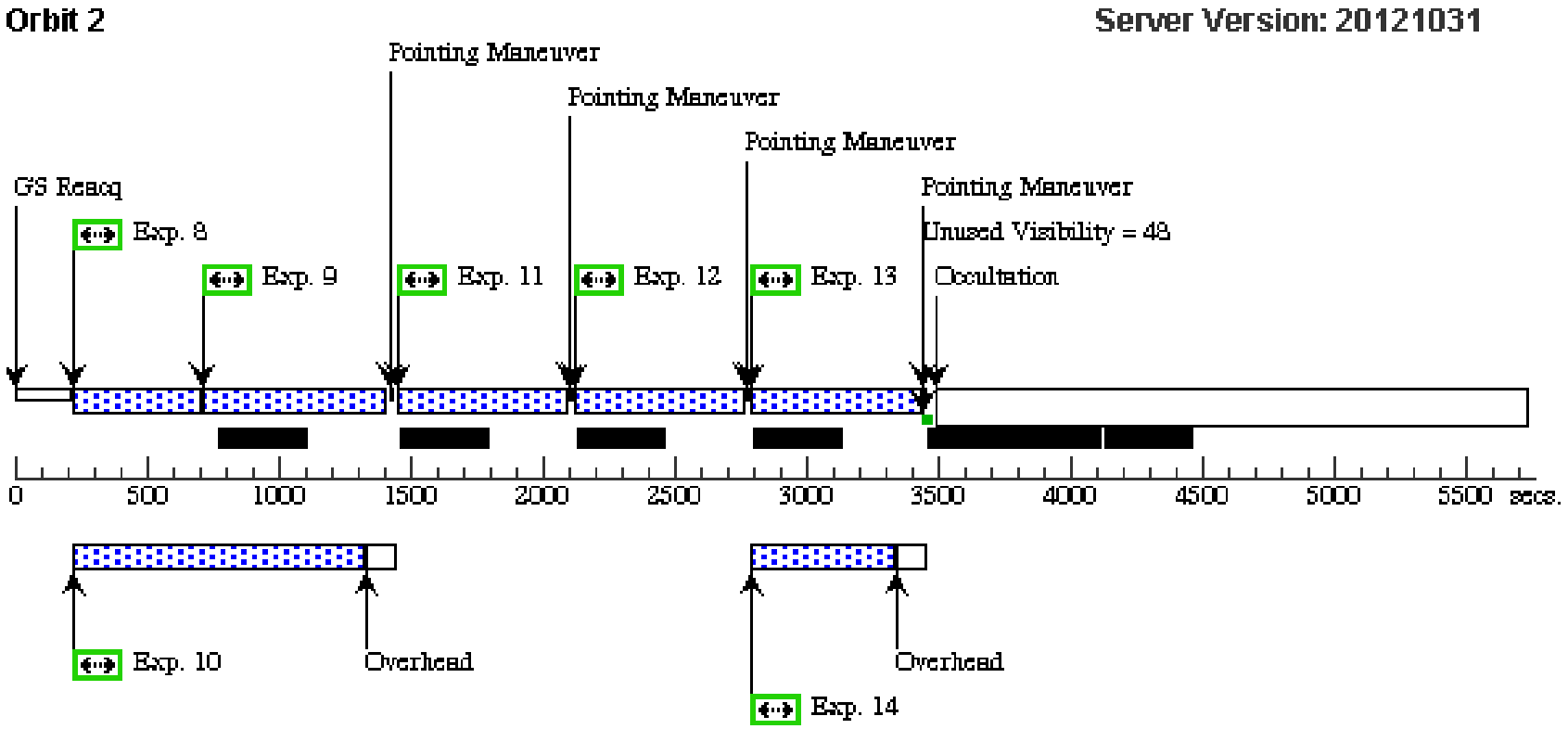
Comments: This object was generated by the targetselector and retrieved from the NED database.

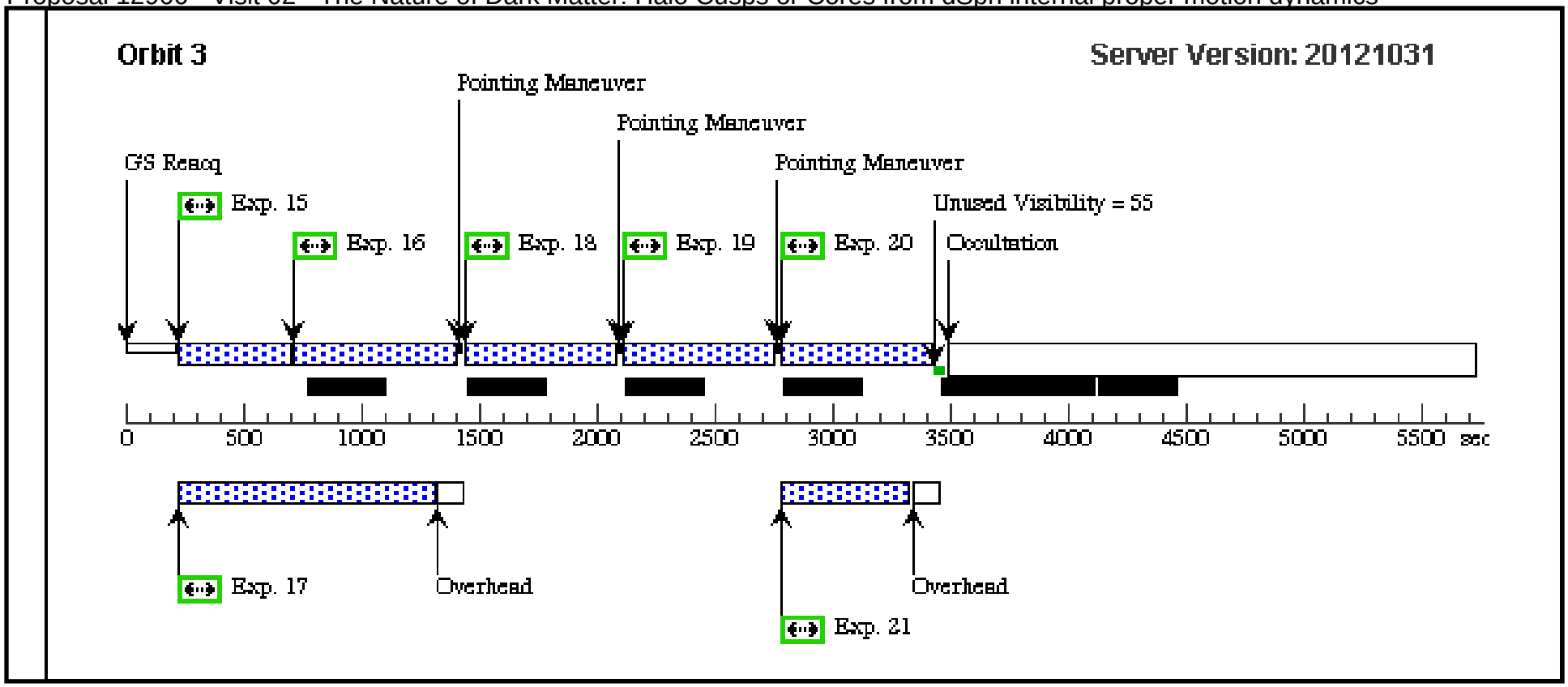
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F814W	FLASHEXP=10; FLASHCUR=LOW	POS TARG -0.23146667,-0.23146667	Prime + Parallel Group 1-3 in Visit 02	301 Secs	
								[==>]	***[1]***
2		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	SAME POS AS 1	Prime + Parallel Group 1-3 in Visit 02	477 Secs	
								[==>]	***[1]***
3		(2) DRACO-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=5		Prime + Parallel Group 1-3 in Visit 02	1059 Secs	
								[==>]	***[1]***
4		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG -0.06675667,-0.21908667		478 Secs	
								[==>]	***[1]***
5		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.09784333,-0.20671667		478 Secs	
								[==>]	***[1]***
6		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG -0.15679667,-0.10208667	Prime + Parallel Group 6-7 in Visit 02	477 Secs	
								[==>]	***[1]***
7		(2) DRACO-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 6-7 in Visit 02	587 Secs	
								[==>]	***[1]***
8		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F814W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.00787333,-0.08970667	Prime + Parallel Group 8-10 in Visit 02	301 Secs	
								[==>]	***[2]***
9		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	SAME POS AS 8	Prime + Parallel Group 8-10 in Visit 02	512 Secs	
								[==>]	***[2]***
10		(2) DRACO-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=5		Prime + Parallel Group 8-10 in Visit 02	1076 Secs	
								[==>]	***[2]***
11		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.17247333,-0.07733667		512 Secs	
								[==>]	***[2]***
12		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.23146667,0.23146667		512 Secs	
								[==>]	***[2]***
13		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.39617667,0.24384667	Prime + Parallel Group 13-14 in Visit 02	512 Secs	
								[==>]	***[2]***
14		(2) DRACO-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 13-14 in Visit 02	521 Secs	
								[==>]	***[2]***
15		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F814W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.56077667,0.25621667	Prime + Parallel Group 15-17 in Visit 02	297 Secs	
								[==>]	***[3]***
16		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	SAME POS AS 15	Prime + Parallel Group 15-17 in Visit 02	513 Secs	
								[==>]	***[3]***
17		(2) DRACO-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=5		Prime + Parallel Group 15-17 in Visit 02	1066 Secs	
								[==>]	***[3]***
18		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.30613667,0.36084667		513 Secs	
								[==>]	***[3]***
19		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.47080667,0.37322667		513 Secs	
								[==>]	***[3]***
20		(2) DRACO-DWARF-F2	ACS/WFC, ACCUM, WFC1	F606W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.63540667,0.38559667	Prime + Parallel Group 20-21 in Visit 02	513 Secs	
								[==>]	***[3]***
21		(2) DRACO-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 20-21 in Visit 02	523 Secs	
								[==>]	***[3]***

Orbit Structure




Orbit 2
Server Version: 20121031
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
GS Reacq
Exp. 8
Exp. 9
Exp. 11
Exp. 12
Exp. 13
Unused Visibility = 48
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Exp. 10
Overhead
Overhead
Exp. 14


Orbit 3
Server Version: 20121031
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
GS Reacq
Exp. 15
Exp. 16
Exp. 18
Exp. 19
Exp. 20
Unused Visibility = 55
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 17
Overhead
Overhead
Exp. 21

Visit	
	Proposal 12966, Visit 03, completed Fri Mar 15 01:04:47 GMT 2013
	Diagnostic Status: Error
	Scientific Instruments: WFC3/UVIS, ACS/WFC
	Special Requirements: ORIENT 44.1740D TO 44.1740 D
	Comments: This visit is for DRACO-F3.

Diagnostics

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 1 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 2 (Prime + Parallel Group 1-3 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 4 (Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Exposure 4 (Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Exposure 4 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 03)) Error (Form): ACCUM is not a valid selection.

(Exposure 4 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 4 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 5 (Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Exposure 5 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 5 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 5 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 5 (Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Exposure 5 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 5 (Visit 03)) Error (Form): ACCUM is not a valid selection.

(Exposure 5 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 5 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 6 (Prime + Parallel Group 6-7 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 9 (Prime + Parallel Group 8-10 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 11 (Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Exposure 11 (Visit 03)) Error (Form): ACCUM is not a valid selection.

(Exposure 11 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 11 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 11 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 11 (Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Exposure 12 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 12 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 12 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 12 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 12 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 12 (Visit 03)) Error (Form): ACCUM is not a valid selection.

(Exposure 12 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 12 (Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Exposure 12 (Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 13 (Prime + Parallel Group 13-14 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 15 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 16 (Prime + Parallel Group 15-17 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 18 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 18 (Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Exposure 18 (Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Exposure 18 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 18 (Visit 03)) Error (Form): ACCUM is not a valid selection.

(Exposure 18 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 18 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 18 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 18 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 19 (Visit 03)) Error (Form): FLASHCUR is not a valid selection

(Exposure 19 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Exposure 19 (Visit 03)) Error (Form): ACCUM is not a valid selection.

(Exposure 19 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Exposure 19 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
The combination of attributes chosen is illegal.

(Exposure 19 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 19 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Exposure 19 (Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Exposure 19 (Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Config=ACS/WFC
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR
The combination of attributes chosen is illegal.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP
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(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): FLASHEXP is not a valid selection

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): ACCUM is not a valid selection.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Mode=ACCUM
A numerical value for FLASHEXP is only permitted for engineering proposals.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHEXP=10
The combination of attributes chosen is illegal.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASHCUR=LOW
The combination of attributes chosen is illegal.

(Primary Exposure 20 (Prime + Parallel Group 20-21 in Visit 03)) Error (Form): FLASHCUR is not a valid selection

Fixed Targets

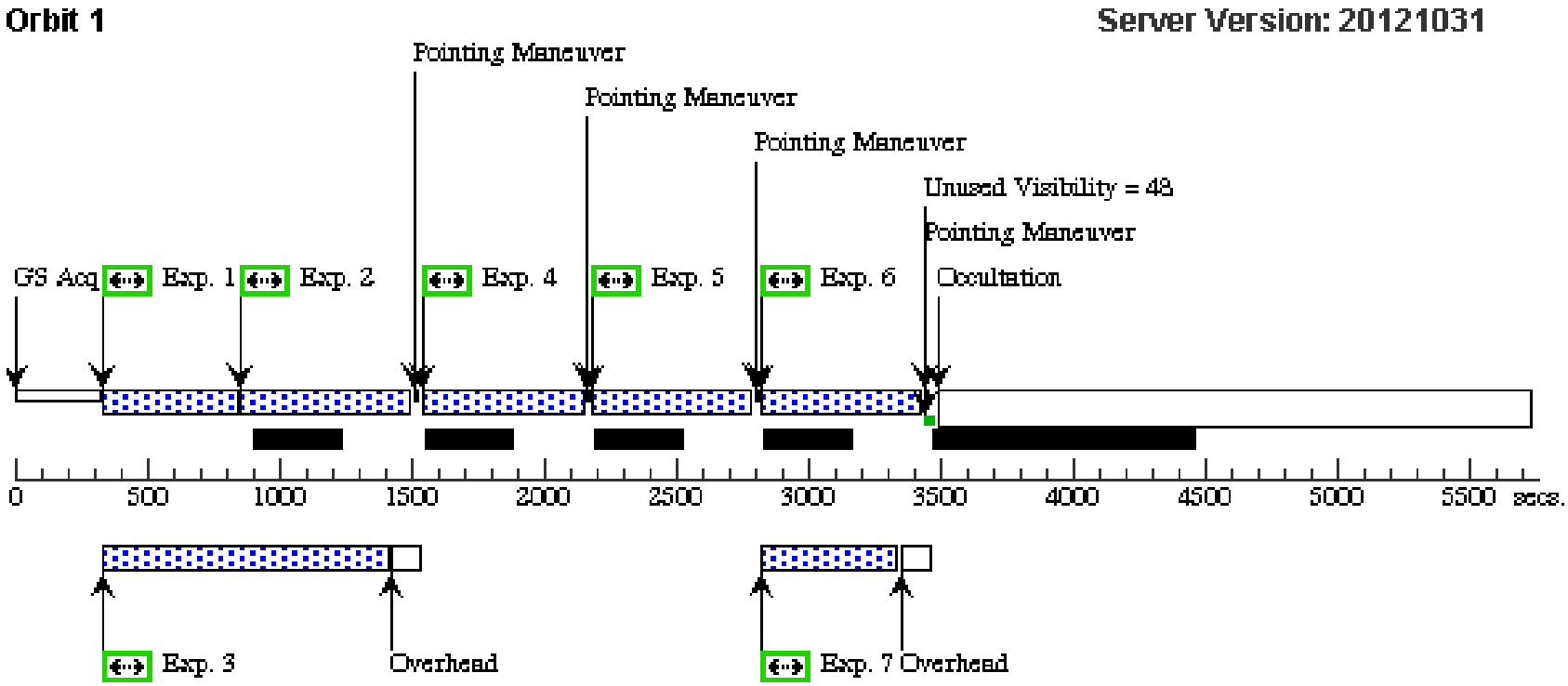
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	DRACO-DWARF-F3	RA: 17 19 34.4300 (259.8934583d) Dec: +57 58 50.50 (57.98069d) Equinox: J2000		V=10.9+/-0.1	Reference Frame: ICRS

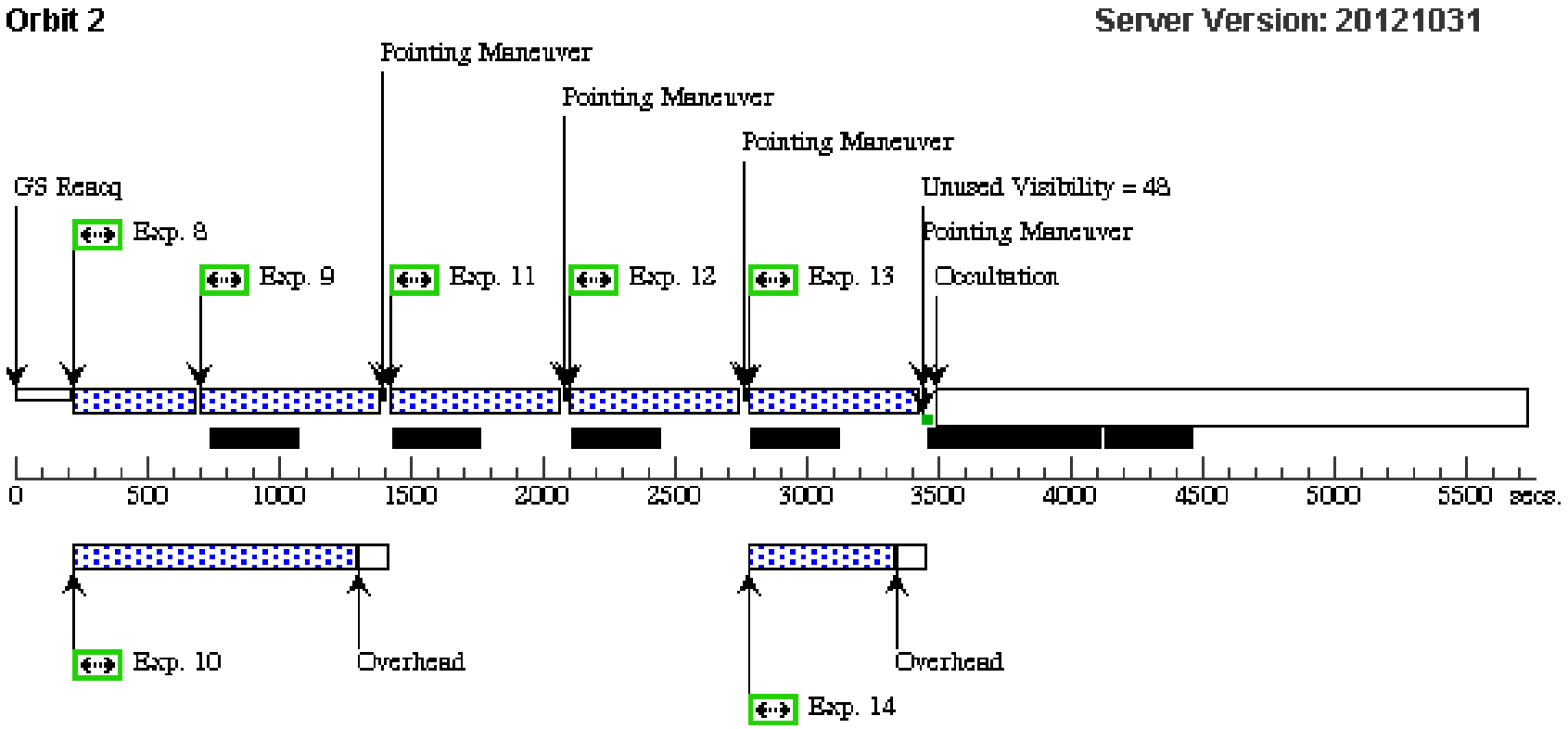
Comments: This object was generated by the targetselector and retrieved from the NED database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F814W	FLASHEXP=10; FLASHCUR=LOW	POS TARG -0.23146667,-0.23146667	Prime + Parallel Group 1-3 in Visit 03	301 Secs	
								[==>]	***[1]***
2		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	SAME POS AS 1	Prime + Parallel Group 1-3 in Visit 03	481 Secs	
								[==>]	***[1]***
3		(3) DRACO-DWARF-F3	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=5		Prime + Parallel Group 1-3 in Visit 03	1048 Secs	
								[==>]	***[1]***
4		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG -0.06675667,-0.21908667		482 Secs	
								[==>]	***[1]***
5		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.09784333,-0.20671667		481 Secs	
								[==>]	***[1]***
6		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG -0.15679667,-0.10208667	Prime + Parallel Group 6-7 in Visit 03	481 Secs	
								[==>]	***[1]***
7		(3) DRACO-DWARF-F3	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 6-7 in Visit 03	491 Secs	
								[==>]	***[1]***
8		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F814W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.00787333,-0.08970667	Prime + Parallel Group 8-10 in Visit 03	301 Secs	
								[==>]	***[2]***
9		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	SAME POS AS 8	Prime + Parallel Group 8-10 in Visit 03	519 Secs	
								[==>]	***[2]***
10		(3) DRACO-DWARF-F3	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=5		Prime + Parallel Group 8-10 in Visit 03	1052 Secs	
								[==>]	***[2]***
11		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.17247333,-0.07733667		520 Secs	
								[==>]	***[2]***
12		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.23146667,0.23146667		520 Secs	
								[==>]	***[2]***
13		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.39617667,0.24384667	Prime + Parallel Group 13-14 in Visit 03	520 Secs	
								[==>]	***[2]***
14		(3) DRACO-DWARF-F3	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 13-14 in Visit 03	529 Secs	
								[==>]	***[2]***
15		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F814W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.56077667,0.25621667	Prime + Parallel Group 15-17 in Visit 03	301 Secs	
								[==>]	***[3]***
16		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	SAME POS AS 15	Prime + Parallel Group 15-17 in Visit 03	519 Secs	
								[==>]	***[3]***
17		(3) DRACO-DWARF-F3	WFC3/UVIS, ACCUM, UVIS	F606W	FLASH=5		Prime + Parallel Group 15-17 in Visit 03	1052 Secs	
								[==>]	***[3]***
18		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.30613667,0.36084667		520 Secs	
								[==>]	***[3]***
19		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.47080667,0.37322667		520 Secs	
								[==>]	***[3]***
20		(3) DRACO-DWARF-F3	ACS/WFC, ACCUM, WFC1	F555W	FLASHEXP=10; FLASHCUR=LOW	POS TARG 0.63540667,0.38559667	Prime + Parallel Group 20-21 in Visit 03	520 Secs	
								[==>]	***[3]***
21		(3) DRACO-DWARF-F3	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=5		Prime + Parallel Group 20-21 in Visit 03	529 Secs	
								[==>]	***[3]***

Orbit Structure

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Occultation
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Overhead
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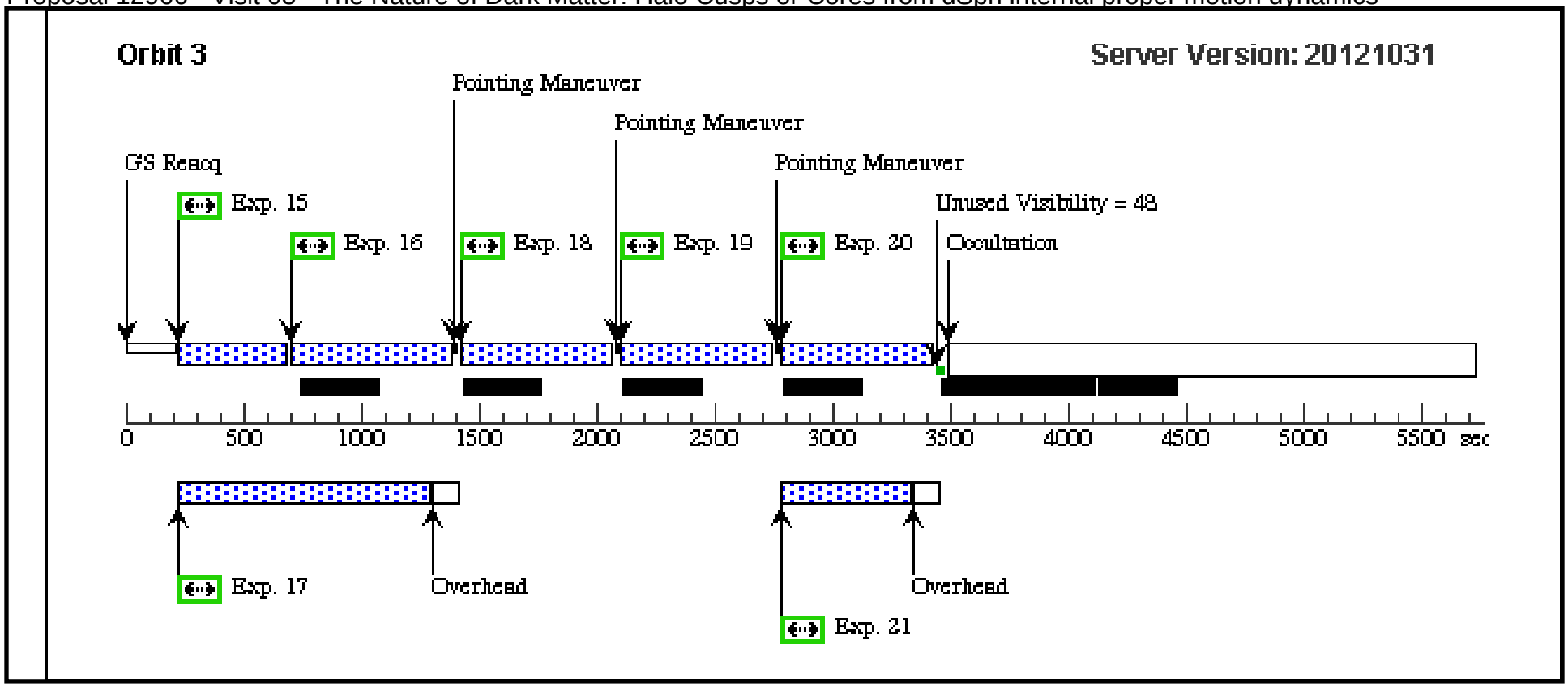
Orbit 3
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Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
GS Reacq
Exp. 15
Exp. 16
Exp. 18
Exp. 19
Exp. 20
Unused Visibility = 48
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 17
Overhead
Overhead
Exp. 21

Visit

Proposal 12966, Visit 04, implementation Fri Mar 15 01:04:50 GMT 2013

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SCHED 100%; ORIENT 336.5D TO 336.5 D

Comments: This visit is for SCULPTOR-F1.

Fixed Targets

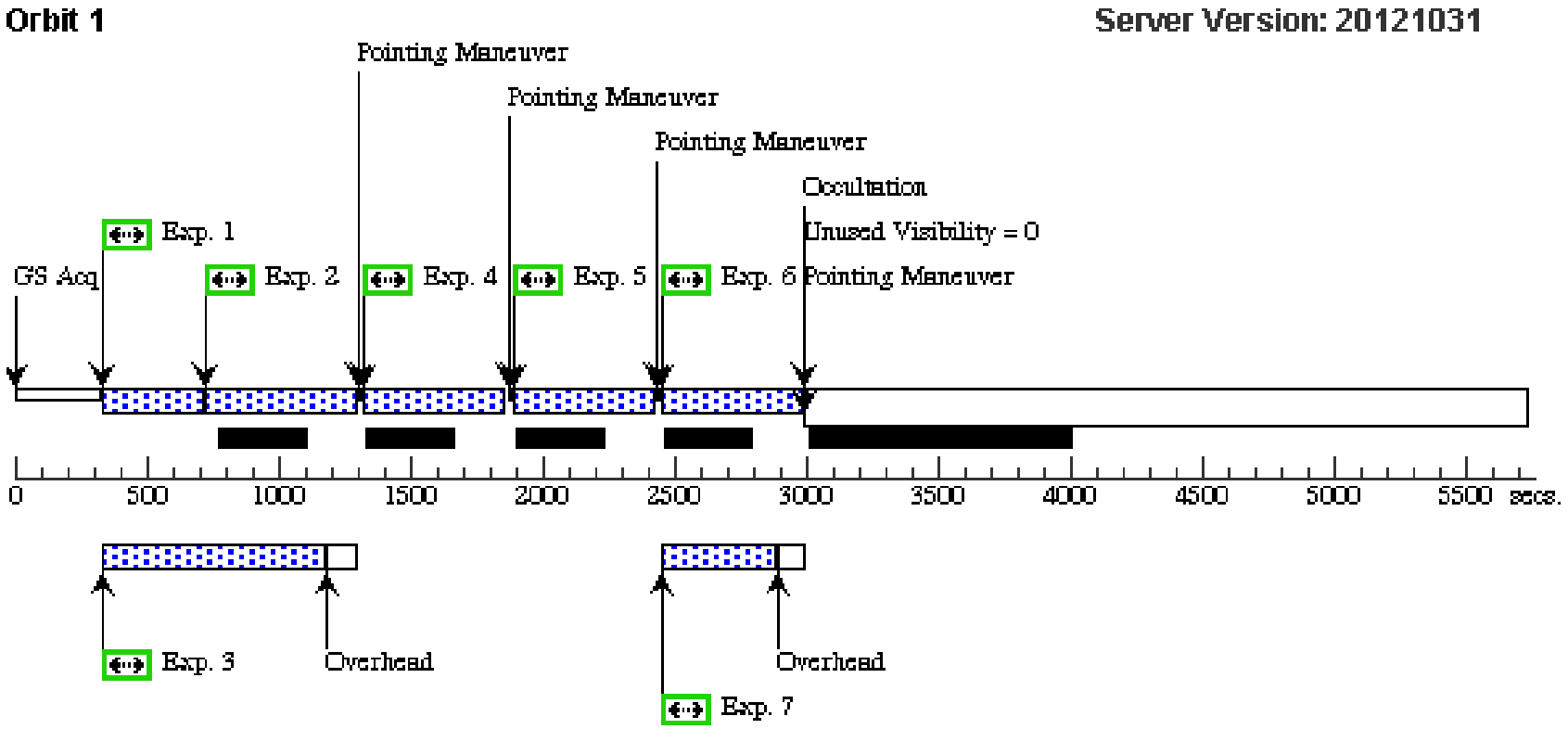
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SCULPTOR-DWARF-F1	RA: 01 00 13.5000 (15.0562500d) Dec: -33 48 49.00 (-33.81361d) Equinox: J2000		V=10.1+/-0.1	Reference Frame: ICRS

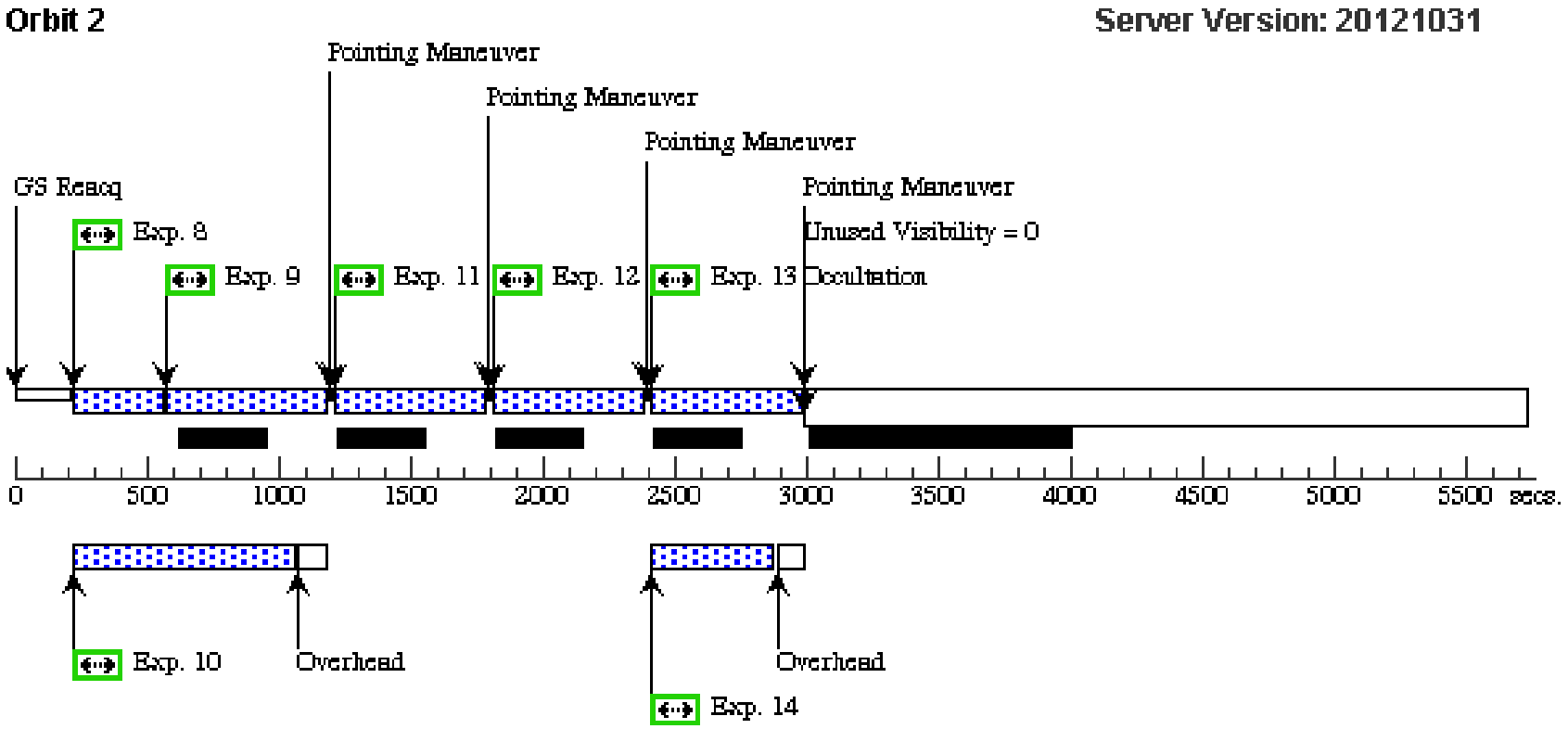
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F606W	FLASH=150.0	POS TARG 0,null; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-3 in Visit 04	153 Secs	
								[==>]	***[1]***
2		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	SAME POS AS 1	Prime + Parallel Group 1-3 in Visit 04	390 Secs	
								[==>]	***[1]***
3		(4) SCULPTOR-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F775W	FLASH=5		Prime + Parallel Group 1-3 in Visit 04	810 Secs	
								[==>]	***[1]***
4		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.22277, 0.11576		390 Secs	
								[==>]	***[1]***
5		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.09982, 0.23028		390 Secs	
								[==>]	***[1]***
6		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.32252, 0.34603	Prime + Parallel Group 6-7 in Visit 04	390 Secs	
								[==>]	***[1]***
7		(4) SCULPTOR-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 6-7 in Visit 04	405 Secs	
								[==>]	***[1]***
8		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F606W	FLASH=150.0	POS TARG 0.40751 ,0.03063	Prime + Parallel Group 8-10 in Visit 04	153 Secs	
								[==>]	***[2]***
9		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	SAME POS AS 8	Prime + Parallel Group 8-10 in Visit 04	428 Secs	
								[==>]	***[2]***
10		(4) SCULPTOR-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F775W	FLASH=5		Prime + Parallel Group 8-10 in Visit 04	816 Secs	
								[==>]	***[2]***
11		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.63039, 0.14640		428 Secs	
								[==>]	***[2]***
12		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.50731, 0.26092		428 Secs	
								[==>]	***[2]***
13		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.73022, 0.37668	Prime + Parallel Group 13-14 in Visit 04	428 Secs	
								[==>]	***[2]***
14		(4) SCULPTOR-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 13-14 in Visit 04	443 Secs	
								[==>]	***[2]***
15		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F606W	FLASH=150.0	POS TARG 0.00184 ,0.40854	Prime + Parallel Group 15-17 in Visit 04	153 Secs	
								[==>]	***[3]***
16		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	SAME POS AS 15	Prime + Parallel Group 15-17 in Visit 04	428 Secs	
								[==>]	***[3]***
17		(4) SCULPTOR-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F775W	FLASH=5		Prime + Parallel Group 15-17 in Visit 04	816 Secs	
								[==>]	***[3]***
18		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.22460, 0.52430		428 Secs	
								[==>]	***[3]***
19		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.10166, 0.63879		428 Secs	
								[==>]	***[3]***
20		(4) SCULPTOR-DWARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.32435, 0.75454	Prime + Parallel Group 20-21 in Visit 04	428 Secs	
								[==>]	***[3]***
21		(4) SCULPTOR-DWARF-F1	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 20-21 in Visit 04	443 Secs	
								[==>]	***[3]***

	22	(4) SCULPTOR-DW ARF-F1	ACS/WFC, ACCUM, WFC	F606W	FLASH=150.0	POS TARG 0.40932 ,0.43919	Prime + Parallel Group 22-24 in Visit 04	153 Secs *[==>]*	 ***[4]***
	23	(4) SCULPTOR-DW ARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	SAME POS AS 22	Prime + Parallel Group 22-24 in Visit 04	428 Secs *[==>]*	 ***[4]***
	24	(4) SCULPTOR-DW ARF-F1	WFC3/UVIS, ACCUM, UVIS	F775W	FLASH=5		Prime + Parallel Group 22-24 in Visit 04	816 Secs *[==>]*	 ***[4]***
	25	(4) SCULPTOR-DW ARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.63219, 0.55495		428 Secs *[==>]*	 ***[4]***
	26	(4) SCULPTOR-DW ARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.50913 ,0.66945		428 Secs *[==>]*	 ***[4]***
	27	(4) SCULPTOR-DW ARF-F1	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.73203 ,0.78521	Prime + Parallel Group 27-28 in Visit 04	428 Secs *[==>]*	 ***[4]***
	28	(4) SCULPTOR-DW ARF-F1	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 27-28 in Visit 04	443 Secs *[==>]*	 ***[4]***

Orbit Structure

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Exp. 11
Exp. 12
Exp. 13
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secs.
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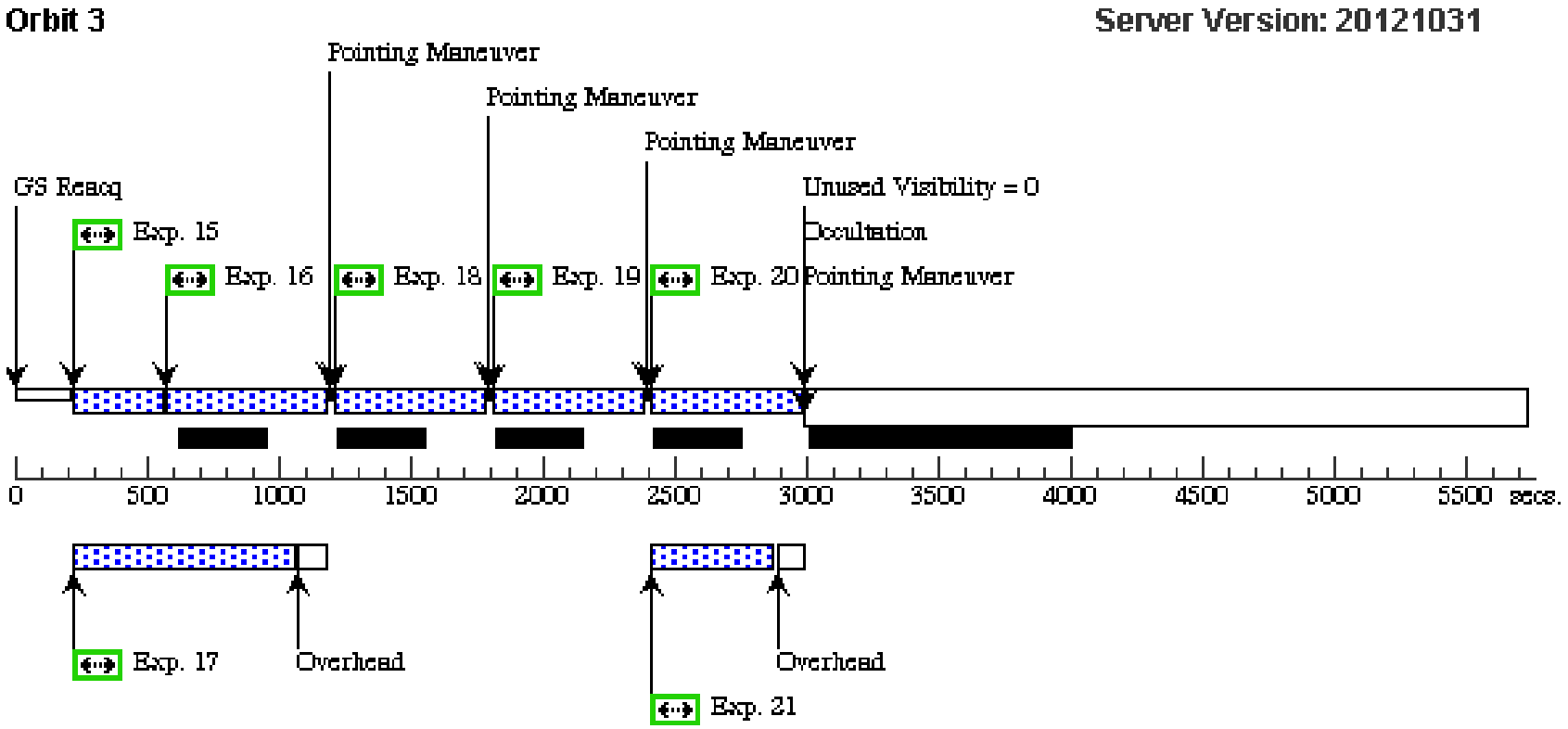
Overhead
Overhead
Exp. 14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Exp. 19
Exp. 20
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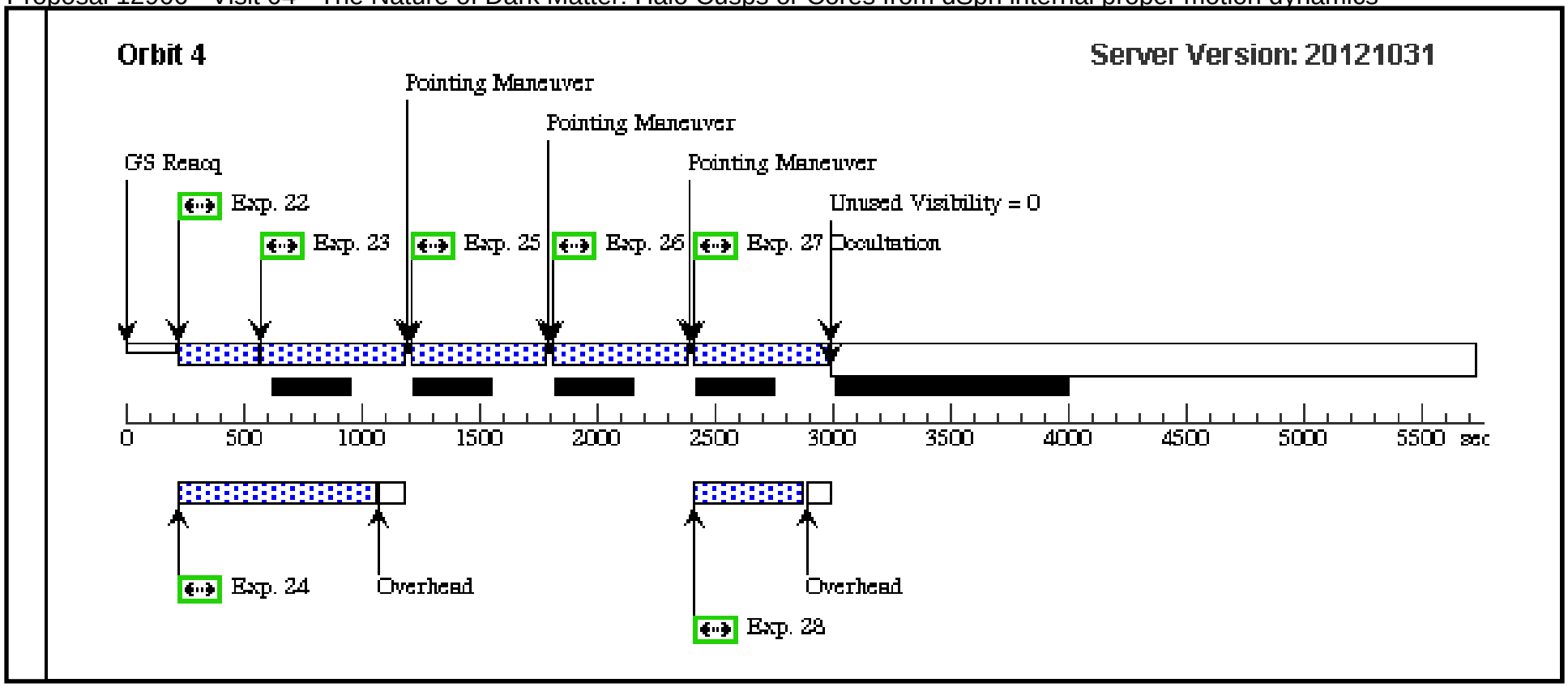
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Exp. 23
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Exp. 26
Exp. 27
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 24
Overhead
Overhead
Exp. 28

Visit

Proposal 12966, Visit 05, implementation Fri Mar 15 01:04:54 GMT 2013

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SCHED 100%; ORIENT 337.484D TO 337.484 D

Comments: This visit is for SCULPTOR-F2.

Fixed Targets

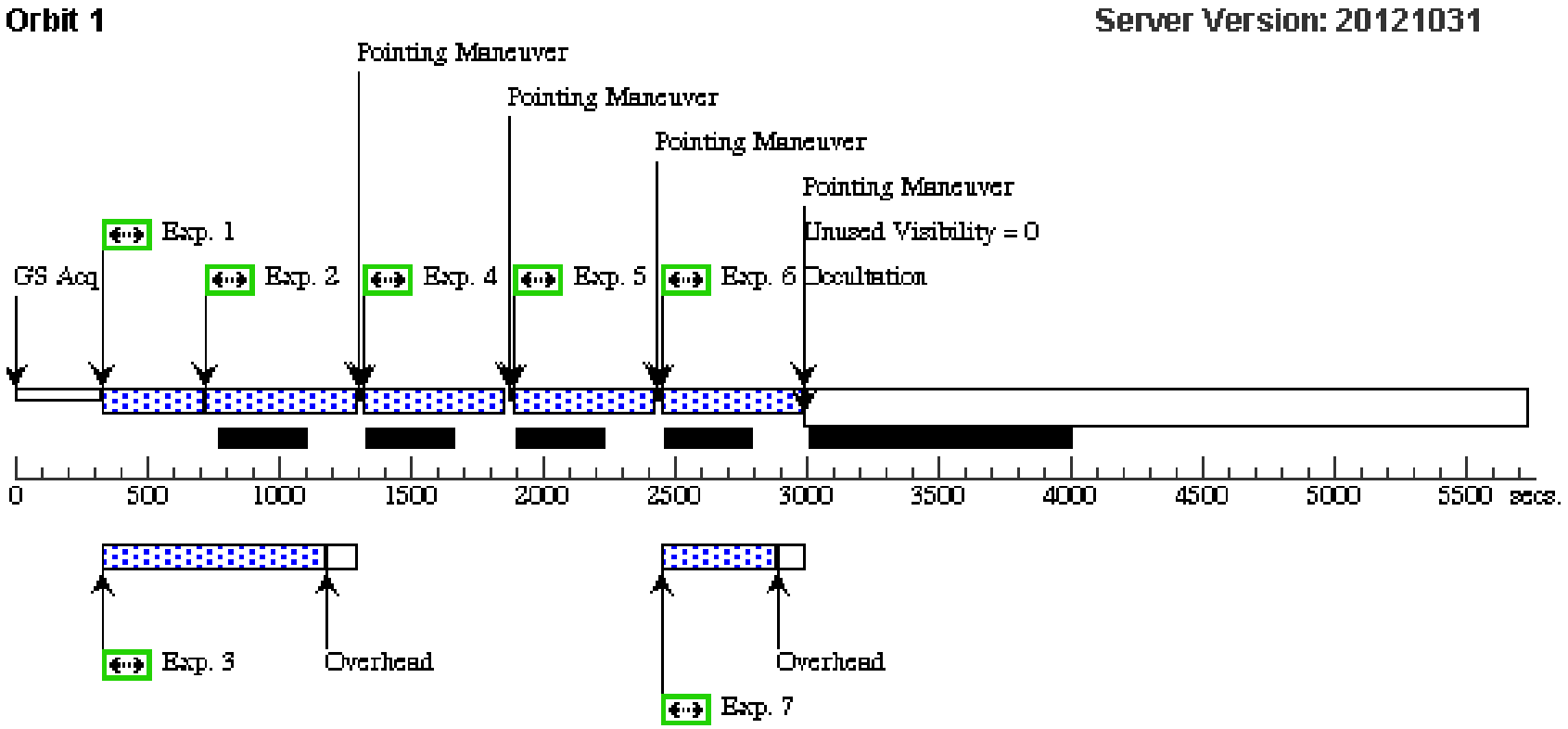
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SCULPTOR-DWARF-F2	RA: 01 00 4.6000 (15.0191667d) Dec: -33 51 16.00 (-33.85444d) Equinox: J2000		V=10.1+/-0.1	Reference Frame: ICRS

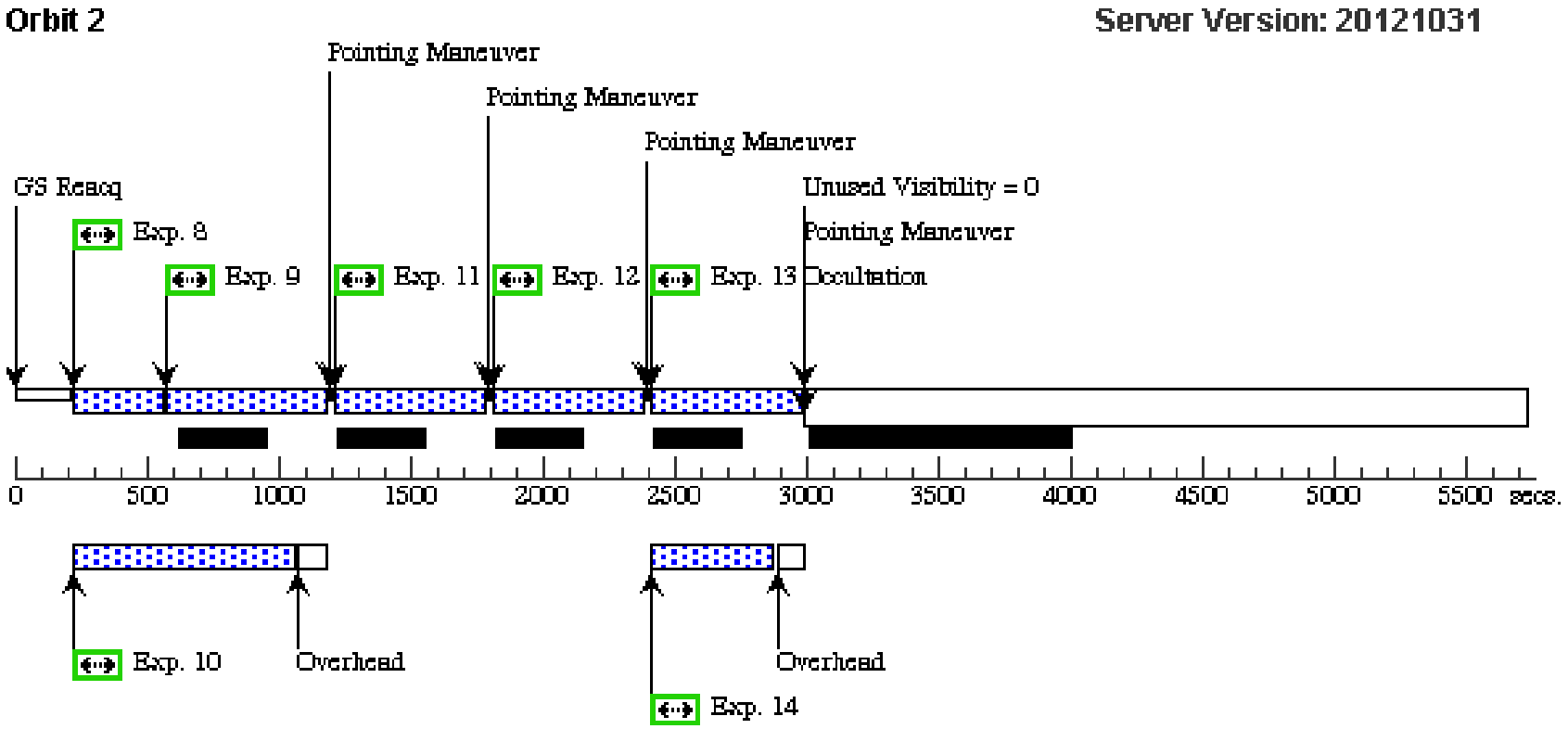
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F606W	FLASH=150.0	POS TARG 0,null; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-3 in Visit 05	153 Secs	
								[==>]	***[1]***
2		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	SAME POS AS 1	Prime + Parallel Group 1-3 in Visit 05	390 Secs	
								[==>]	***[1]***
3		(5) SCULPTOR-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F775W	FLASH=5		Prime + Parallel Group 1-3 in Visit 05	810 Secs	
								[==>]	***[1]***
4		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.22277, 0.11576		390 Secs	
								[==>]	***[1]***
5		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.09982 ,0.23028		390 Secs	
								[==>]	***[1]***
6		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.32252 ,0.34603	Prime + Parallel Group 6-7 in Visit 05	390 Secs	
								[==>]	***[1]***
7		(5) SCULPTOR-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 6-7 in Visit 05	405 Secs	
								[==>]	***[1]***
8		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F606W	FLASH=150.0	POS TARG 0.40751 ,0.03063	Prime + Parallel Group 8-10 in Visit 05	153 Secs	
								[==>]	***[2]***
9		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	SAME POS AS 8	Prime + Parallel Group 8-10 in Visit 05	428 Secs	
								[==>]	***[2]***
10		(5) SCULPTOR-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F775W	FLASH=5		Prime + Parallel Group 8-10 in Visit 05	816 Secs	
								[==>]	***[2]***
11		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.63039 ,0.14640		428 Secs	
								[==>]	***[2]***
12		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.50731, 0.26092		428 Secs	
								[==>]	***[2]***
13		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.73022 ,0.37668	Prime + Parallel Group 13-14 in Visit 05	428 Secs	
								[==>]	***[2]***
14		(5) SCULPTOR-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 13-14 in Visit 05	443 Secs	
								[==>]	***[2]***
15		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F606W	FLASH=150.0	POS TARG 0.00184, 0.40854	Prime + Parallel Group 15-17 in Visit 05	153 Secs	
								[==>]	***[3]***
16		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	SAME POS AS 15	Prime + Parallel Group 15-17 in Visit 05	428 Secs	
								[==>]	***[3]***
17		(5) SCULPTOR-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F775W	FLASH=5		Prime + Parallel Group 15-17 in Visit 05	816 Secs	
								[==>]	***[3]***
18		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.22460 ,0.52430		428 Secs	
								[==>]	***[3]***
19		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.10166 ,0.63879		428 Secs	
								[==>]	***[3]***
20		(5) SCULPTOR-DWARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.32435, 0.75454	Prime + Parallel Group 20-21 in Visit 05	428 Secs	
								[==>]	***[3]***
21		(5) SCULPTOR-DWARF-F2	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 20-21 in Visit 05	443 Secs	
								[==>]	***[3]***

	22	(5) SCULPTOR-DW ARF-F2	ACS/WFC, ACCUM, WFC	F606W	FLASH=150.0	POS TARG 0.40932 ,0.43919	Prime + Parallel Group 22-24 in Visit 05	153 Secs *[==>]*	 ***[4]***
	23	(5) SCULPTOR-DW ARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	SAME POS AS 22	Prime + Parallel Group 22-24 in Visit 05	428 Secs *[==>]*	 ***[4]***
	24	(5) SCULPTOR-DW ARF-F2	WFC3/UVIS, ACCUM, UVIS	F775W	FLASH=5		Prime + Parallel Group 22-24 in Visit 05	816 Secs *[==>]*	 ***[4]***
	25	(5) SCULPTOR-DW ARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.63219, 0.55495		428 Secs *[==>]*	 ***[4]***
	26	(5) SCULPTOR-DW ARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.50913 ,0.66945		428 Secs *[==>]*	 ***[4]***
	27	(5) SCULPTOR-DW ARF-F2	ACS/WFC, ACCUM, WFC	F775W	FLASH=150.0	POS TARG 0.73203 ,0.78521	Prime + Parallel Group 27-28 in Visit 05	428 Secs *[==>]*	 ***[4]***
	28	(5) SCULPTOR-DW ARF-F2	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 27-28 in Visit 05	443 Secs *[==>]*	 ***[4]***

Orbit Structure

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Pointing Maneuver
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Exp. 8
Pointing Maneuver
Exp. 9
Exp. 11
Exp. 12
Exp. 13
Occultation
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500
1000
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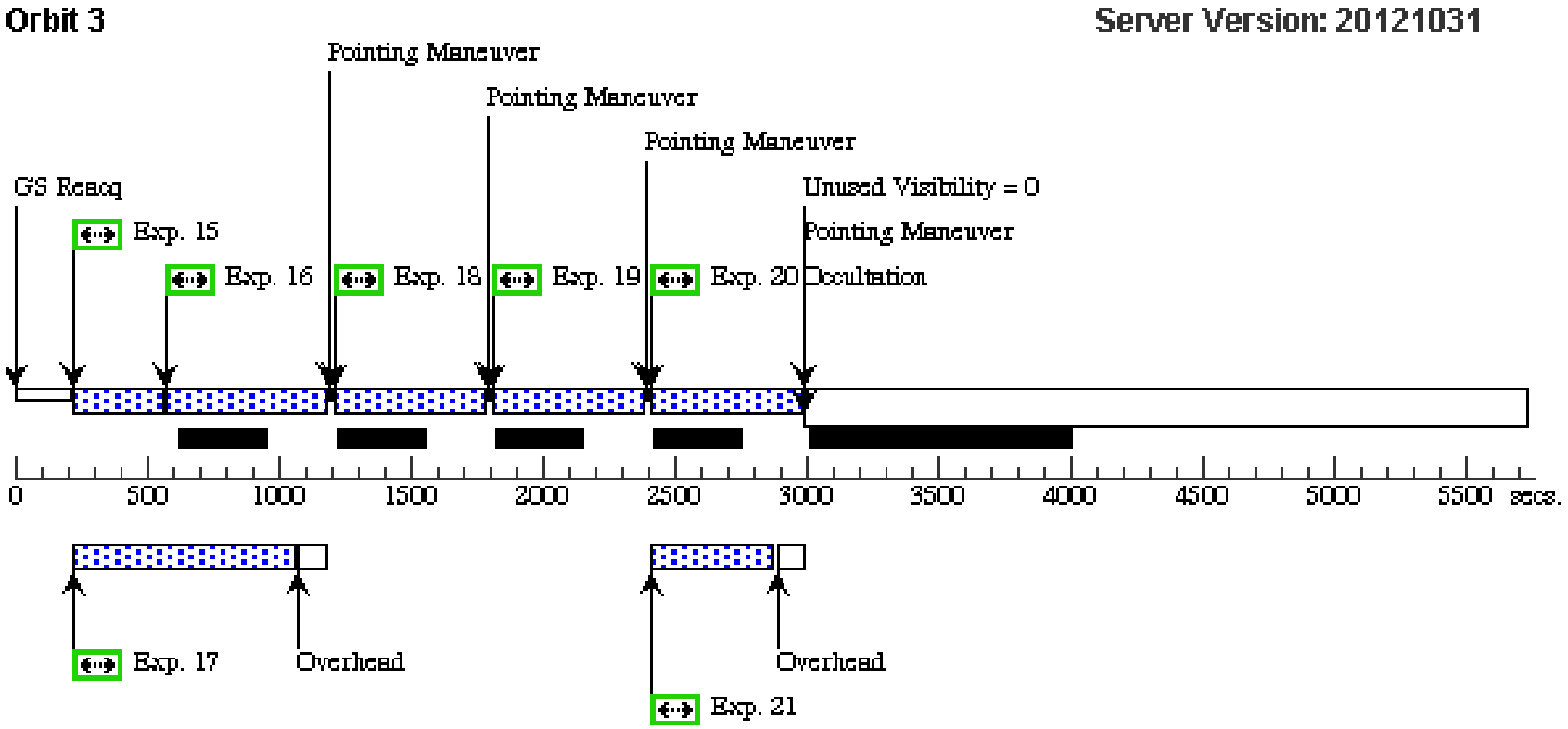
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Exp. 10
Overhead
Overhead
Exp. 14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Pointing Maneuver
GS Reacq
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Exp. 15
Pointing Maneuver
Exp. 16
Exp. 18
Exp. 19
Exp. 20
Occultation
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1000
1500
2000
2500
3000
3500
4000
4500
5000
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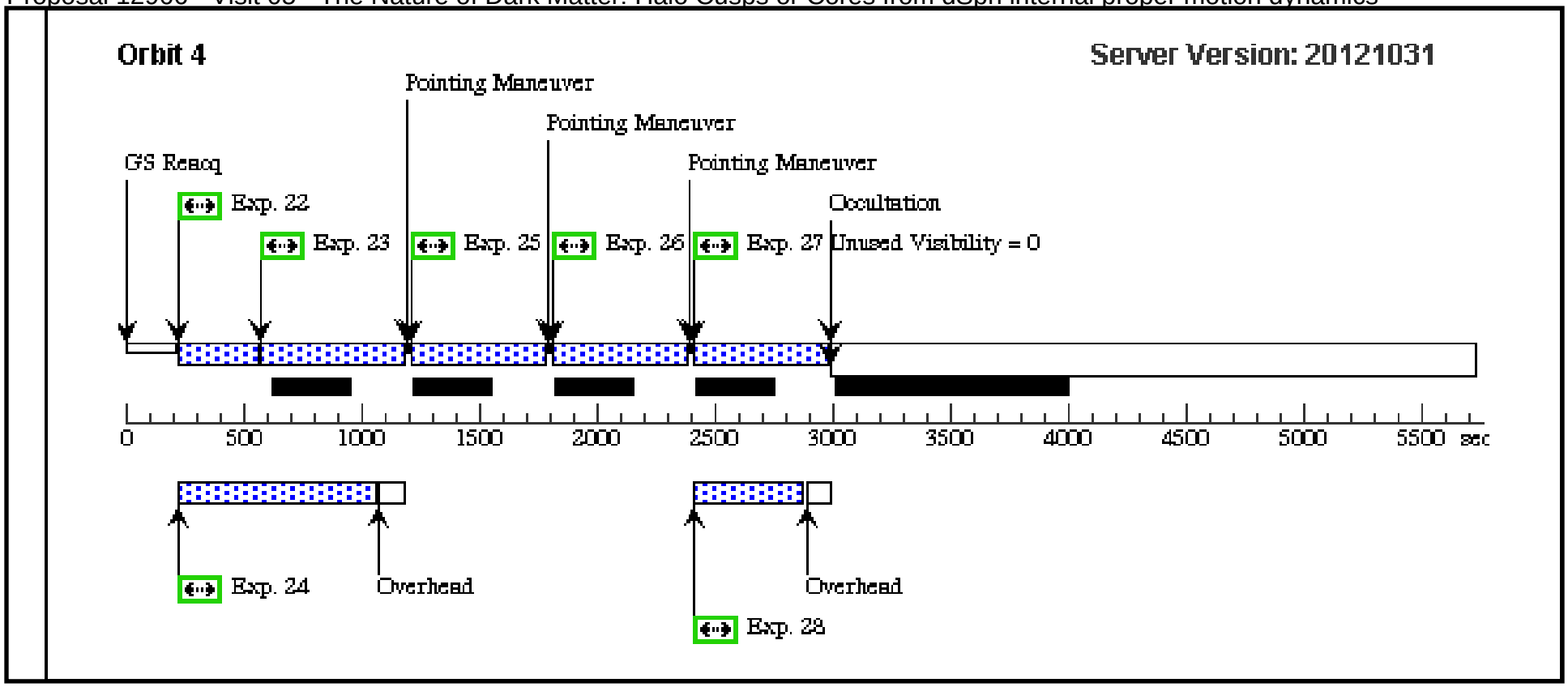
secs.
Exp. 17
Overhead
Overhead
Exp. 21


Orbit 4
Server Version: 20121031
Pointing Maneuver
Pointing Maneuver
Pointing Maneuver
GS Reacq
Exp. 22
Exp. 23
Exp. 25
Exp. 26
Exp. 27
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 24
Overhead
Overhead
Exp. 28