



12049 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn

Mission

Cycle: 17, Proposal Category: GO/DD

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) VESTA	WFC3/UVIS	1	05-Feb-2010 21:05:16.0	yes
02	(1) VESTA	WFC3/UVIS	1	05-Feb-2010 21:05:30.0	yes
03	(1) VESTA	WFC3/UVIS	1	05-Feb-2010 21:05:43.0	yes
04	(1) VESTA	WFC3/UVIS	1	05-Feb-2010 21:05:53.0	yes
05	(1) VESTA	WFC3/UVIS	1	05-Feb-2010 21:06:03.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
06	(1) VESTA	WFC3/UVIS	1	05-Feb-2010 21:06:14.0	yes
07	(1) VESTA	WFC3/UVIS	1	05-Feb-2010 21:06:23.0	yes

7 Total Orbits Used

ABSTRACT

NASA's Dawn spacecraft is scheduled to go into orbit around the main belt asteroid 4 Vesta in July 2011. Currently the project is using a 3- pole position uncertainty of Vesta of 12° for spacecraft trajectory design. We have determined that with an additional set of Hubble observations at Vesta's next opposition in February 2010, that the pole position uncertainty can be reduced by a factor of 4. This will reduce both cost and risk to the Dawn mission, and is likely to increase the stay time at Vesta and will add to the scientific return of the mission. The requested observing window in February 2010 is the last and single best opportunity that can benefit the Dawn mission, but it is before the start of the next HST Cycle.

OBSERVING DESCRIPTION

The primary goal of this observation is to measure the rotational pole of Vesta. For this purpose, we need to obtain images in the wavelengths where Vesta has the highest contrast, and to have a complete and as uniform as possible rotational coverage. For this purpose, we will follow the sequence of previous HST observation of Vesta (GO-10799). We will separate the total 7 orbits into two groups. The first group has 4 orbits, executed continuously. The second group has 3 orbits, and should start 30 orbits after the completion of the first group, and executed continuously, in order to well interlace with the first group in rotational phase of Vesta.

The observation should be scheduled close to the opposition of Vesta, which occurs around Feb 23, 2010, in order to obtain the highest spatial resolution in low solar phase angles.

When implementing the sequence, we realize that, thank to the sub-array model of WFC3, we can include a secondary goal in the observation, to map the surface with the same filters as used in previous HST observations to gain higher resolution. The timing requirement for this secondary goal

is the same as for pole measurement.

In addition, we discovered that there will be some exposures with overlapping rotational phase coverage. We can therefore utilize those exposures to realize the third and fourth goals, which are to search for satellites around Vesta, and to take some snapshots of Vesta in the UV wavelengths that have never been observed before.

In order to get short overhead for high-speed imaging, we will take advantage of the 512x512 subarray mode, except for satellite search exposures, which will use full-frame. We will use two filters for pole measurement, the F469N and F373N; two filters for surface mapping, the F673N and F953N; the wide R-band filter F606W for satellite search; and F336W, F275W, and F225W for UV snapshots. The exposure times in seconds are listed below:

F953N	12
F673N	1.2
F606W	10
F469N	4.0
F373N	12
F336W	1.7
F275W	15
F225W	80

The detailed sequence is optimized for uniform rotational coverage of Vesta for exposures through F373N, F469N, F673N, and F953N filters.

ADDITIONAL COMMENTS

If there is any way to hide the long overhead following each of the full-frame exposure in orbit 4, 5, 6, 7, then we can insert one more sub-array exposure in those orbits. This will cover the gap in the rotation of Vesta and substantially improve the rotational coverage. If possible, we would like to continue exploring that possibility. Also, if after the actual scheduling, it is found that we have longer unused visibility in our orbits, we

would like to fill them in.

Proposal 12049 - Visit 01 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Sat Feb 06 02:06:28 GMT 2010

Visit	Proposal 12049, Visit 01, implementation					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 18-FEB-2010:00:00:00 AND 27-FEB-2010:00:00:00; SEQ 01,02,03,04 WITHIN 4 Orbits					
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(1)	VESTA	TYPE=ASTEROID,A=2.36193732526 5019,E=0.08872920479890047,I=7.13 4420968509158,O=103.914864501326 4,W=149.8368094343074,M=253.504 2125123777,EQUINOX=J2000,EPOC H=04-JAN-2010:00:00:00			

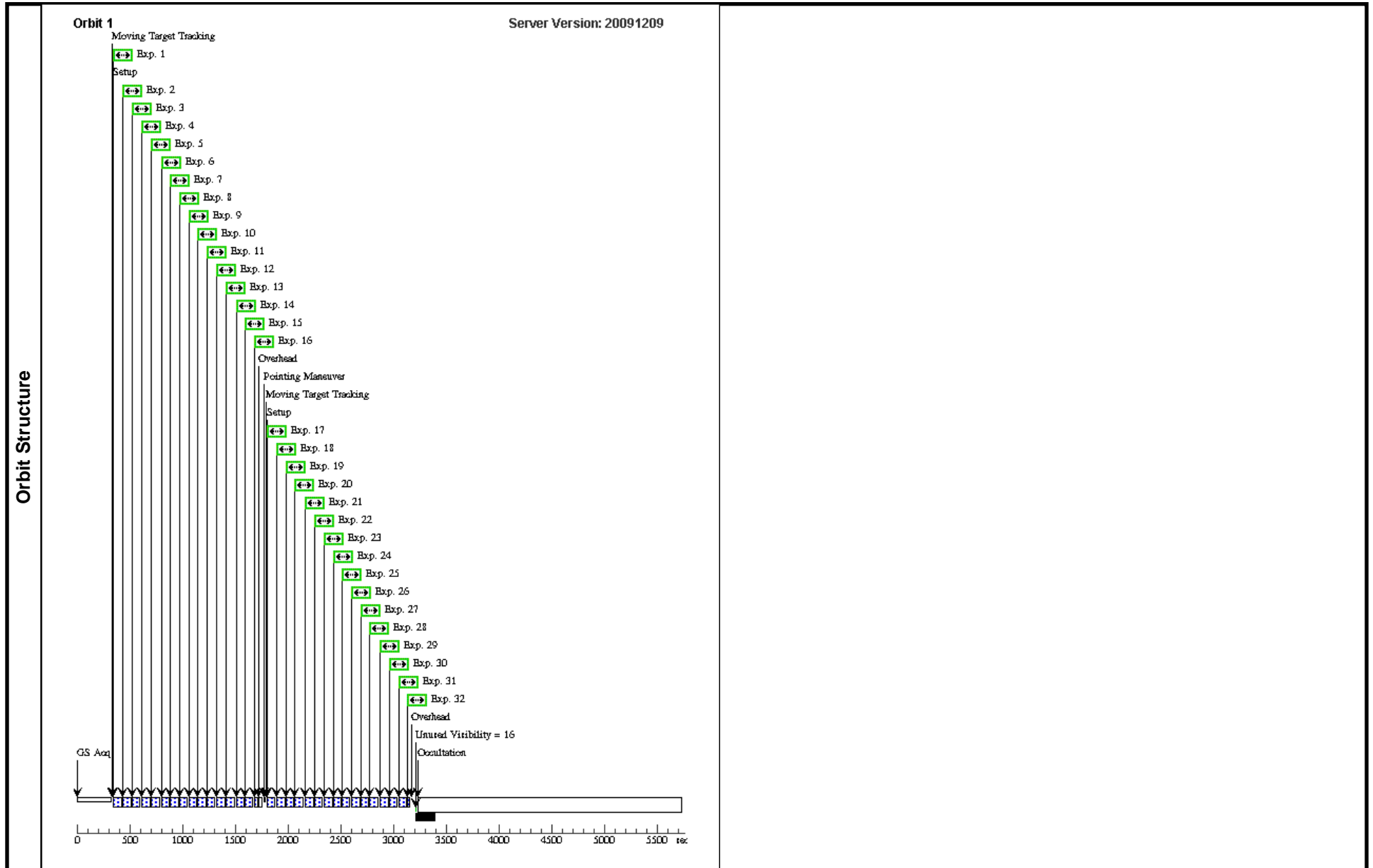
Proposal 12049 - Visit 01 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures	1	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	GS ACQ SCENARI O BASE1B3		4 Secs	[==>]	[1]
	2	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[==>]	[1]
	3	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[==>]	[1]
	4	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE			12 Secs	[==>]	[1]
	5	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[==>]	[1]
	6	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[==>]	[1]
	7	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[==>]	[1]
	8	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE			1.2 Secs	[==>]	[1]
	9	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[==>]	[1]
	10	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[==>]	[1]
	11	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[==>]	[1]
	12	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE			12 Secs	[==>]	[1]
	13	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[==>]	[1]
	14	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[==>]	[1]
	15	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE			1.2 Secs	[==>]	[1]
	16	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[==>]	[1]
	17	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	POS TARG 1.1,1.1		4 Secs	[==>]	[1]
	18	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17		12 Secs	[==>]	[1]
	19	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17		4 Secs	[==>]	[1]

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20	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
21	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
22	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
23	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
24	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	1.2 Secs [==>]	[1]
25	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
26	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
27	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
28	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
29	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
30	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
31	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	1.2 Secs [==>]	[1]
32	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]

Proposal 12049 - Visit 01 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission



Proposal 12049 - Visit 01 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Visit	Proposal 12049, Visit 02, implementation						Sat Feb 06 02:06:31 GMT 2010
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)						
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	VESTA	TYPE=ASTEROID,A=2.36193732526 5019,E=0.08872920479890047,I=7.13 4420968509158,O=103.914864501326 4,W=149.8368094343074,M=253.504 2125123777,EQUINOX=J2000,EPOC H=04-JAN-2010:00:00:00				EARTH

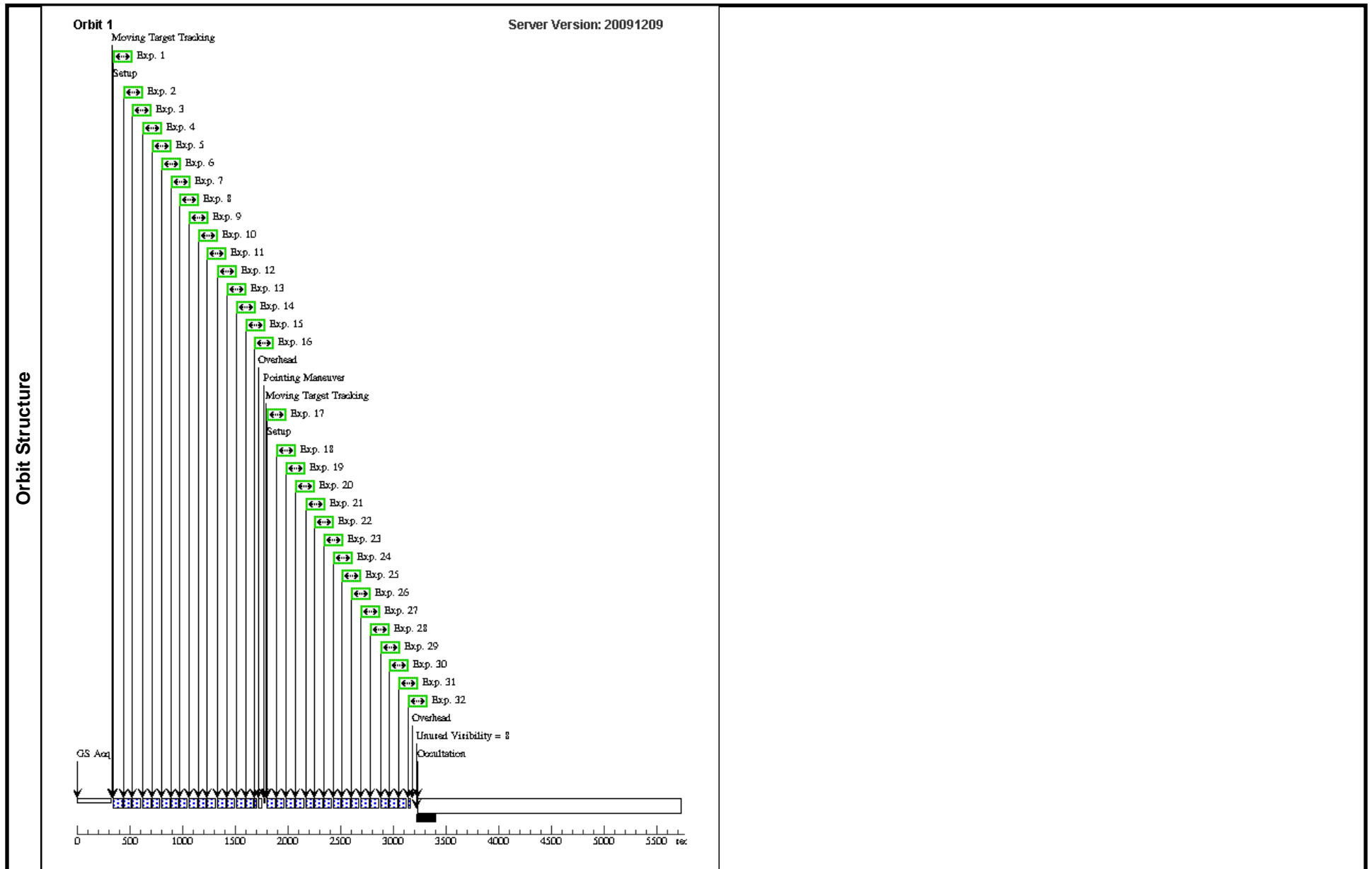
Proposal 12049 - Visit 02 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures	1	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	2	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	3	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	4	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	5	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	6	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	7	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	8	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE			1.2 Secs	[1]	
	9	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	10	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	11	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	12	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	13	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	14	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	15	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE			1.2 Secs	[1]	
	16	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	17	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	POS TARG -1.1,-1.1		12 Secs	[1]	
	18	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17		4 Secs	[1]	
	19	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17		12 Secs	[1]	

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20	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
21	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
22	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
23	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
24	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	1.2 Secs [==>]	[1]
25	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
26	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
27	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
28	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
29	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
30	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
31	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	1.2 Secs [==>]	[1]
32	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]

Proposal 12049 - Visit 02 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission



Proposal 12049 - Visit 02 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Sat Feb 06 02:06:32 GMT 2010

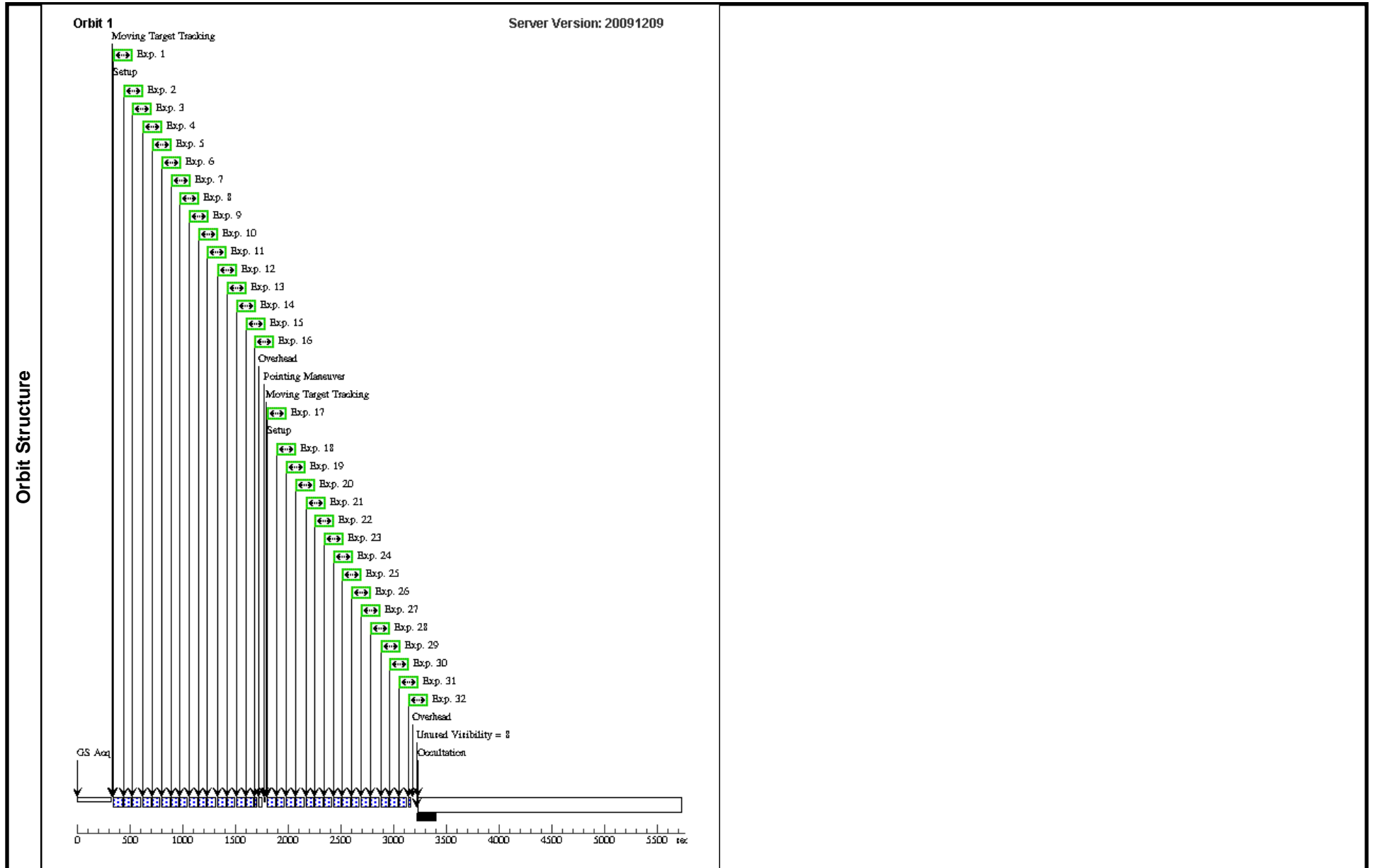
Visit	<p>Proposal 12049, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)</p>						
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
(1)		VESTA	TYPE=ASTEROID,A=2.36193732526 5019,E=0.08872920479890047,I=7.13 4420968509158,O=103.914864501326 4,W=149.8368094343074,M=253.504 2125123777,EQUINOX=J2000,EPOC H=04-JAN-2010:00:00:00				EARTH

Proposal 12049 - Visit 03 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures	1	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	2	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	3	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	4	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	5	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	6	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	7	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	8	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE			1.2 Secs	[1]	
	9	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	10	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	11	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	12	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	13	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	14	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs	[1]	
	15	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE			1.2 Secs	[1]	
	16	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs	[1]	
	17	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	POS TARG -1.1,1.1		12 Secs	[1]	
	18	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17		4 Secs	[1]	
	19	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17		12 Secs	[1]	

Proposal 12049 - Visit 03 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

20	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
21	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
22	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
23	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
24	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	1.2 Secs [==>]	[1]
25	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
26	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
27	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
28	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
29	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]
30	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	12 Secs [==>]	[1]
31	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	1.2 Secs [==>]	[1]
32	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 17	4 Secs [==>]	[1]



Proposal 12049 - Visit 03 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Visit	Proposal 12049, Visit 04, implementation Sat Feb 06 02:06:33 GMT 2010					
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)					
Diagnostics	(Visit 04) Warning (Orbit Planner): VISIBILITY OVERRUN					
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(1)	VESTA	TYPE=ASTEROID,A=2.36193732526 5019,E=0.08872920479890047,I=7.13 4420968509158,O=103.914864501326 4,W=149.8368094343074,M=253.504 2125123777,EQUINOX=J2000,EPOC H=04-JAN-2010:00:00:00			

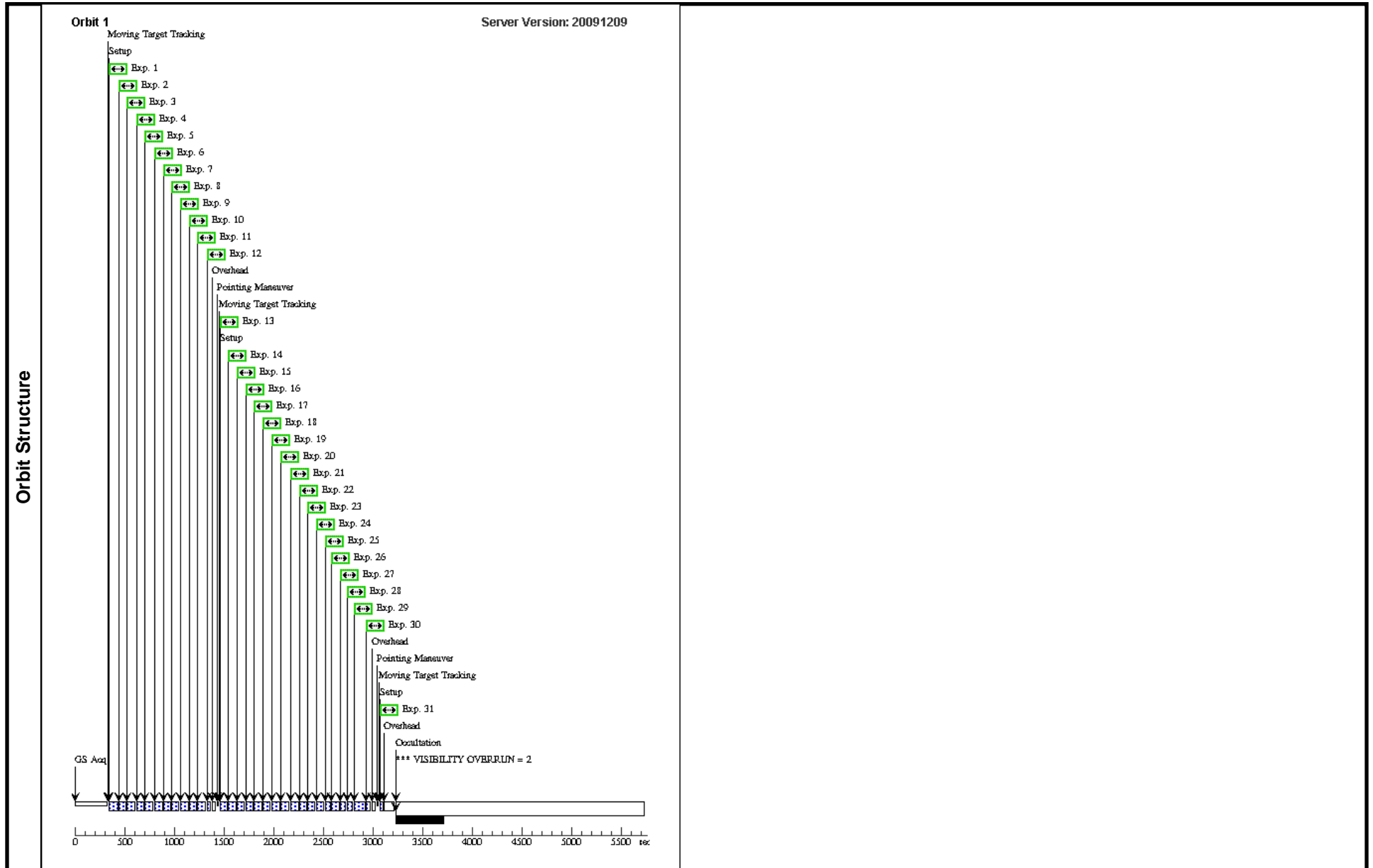
Proposal 12049 - Visit 04 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	POS TARG 1.1,-1.1		12 Secs [==>]	[1]
	2		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	3		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	4		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	5		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	6		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	7		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	8		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		1.2 Secs [==>]	[1]
	9		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	10		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	11		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	12		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	13		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs [==>]	[1]
	14		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs [==>]	[1]
	15		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs [==>]	[1]
	16		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE			1.2 Secs [==>]	[1]
	17		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs [==>]	[1]
	18		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE			4 Secs [==>]	[1]
19		(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE			12 Secs [==>]	[1]	

Proposal 12049 - Visit 04 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

20	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	12 Secs [==>]	[1]
21	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	12 Secs [==>]	[1]
22	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	4 Secs [==>]	[1]
23	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	1.2 Secs [==>]	[1]
24	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F336W	CR-SPLIT=NO; BIN=NONE	1.7 Secs [==>]	[1]
25	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F336W	CR-SPLIT=NO; BIN=NONE	1.7 Secs [==>]	[1]
26	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F275W	CR-SPLIT=NO; BIN=NONE	10 Secs [==>]	[1]
27	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F275W	CR-SPLIT=NO; BIN=NONE	10 Secs [==>]	[1]
28	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F275W	CR-SPLIT=NO; BIN=NONE	10 Secs [==>]	[1]
29	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F225W	CR-SPLIT=NO; BIN=NONE	45 Secs [==>]	[1]
30	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F225W	CR-SPLIT=NO; BIN=NONE	45 Secs [==>]	[1]
31	(1) VESTA	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	CR-SPLIT=NO; BIN=NONE	10 Secs [==>]	[1]

Proposal 12049 - Visit 04 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission



Proposal 12049 - Visit 04 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

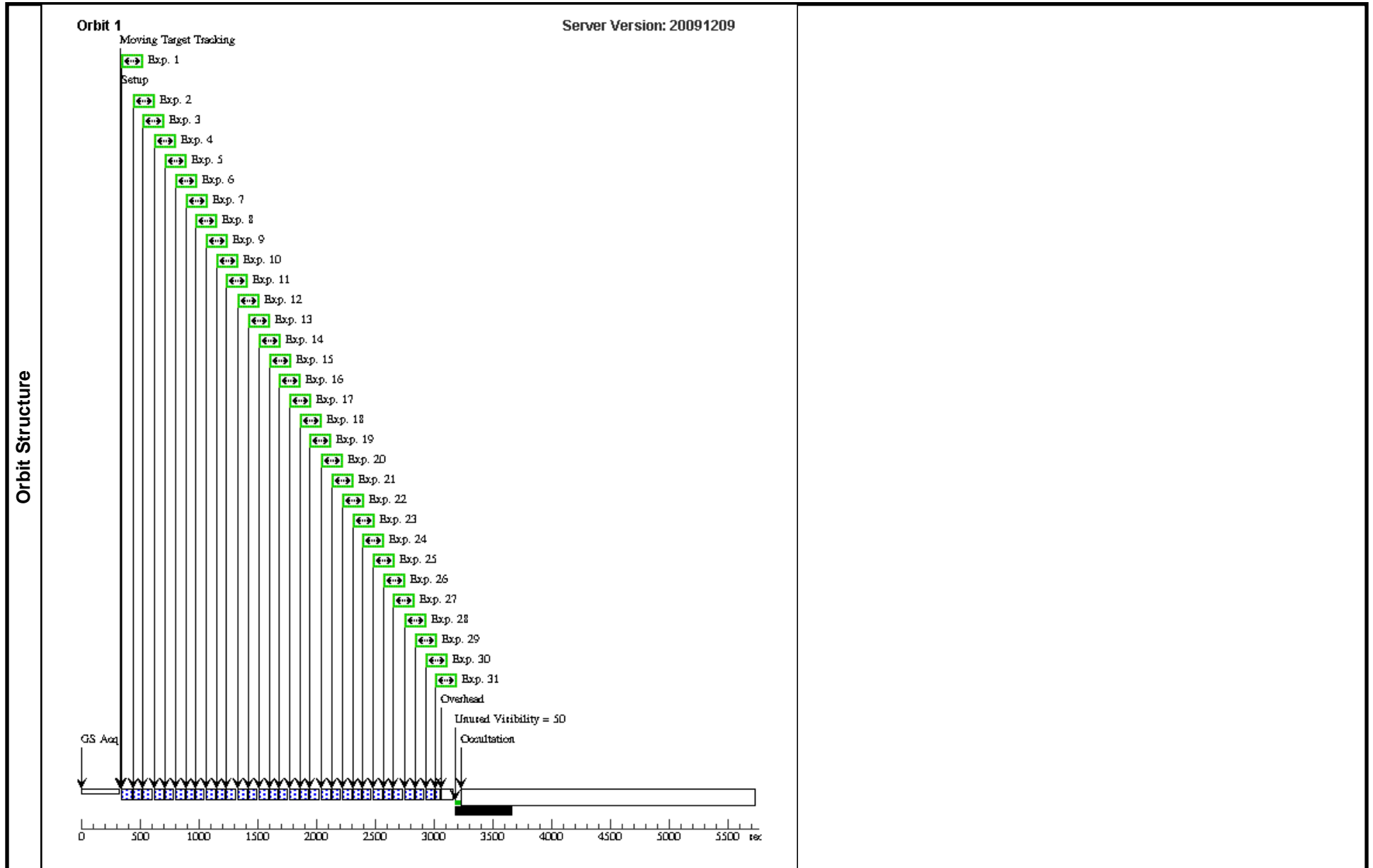
Visit	Proposal 12049, Visit 05, implementation Sat Feb 06 02:06:34 GMT 2010					
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 04 BY 40.8 Orbits TO 41.2 Orbits; SEQ 05,06,07 WITHIN 3 Orbits					
Diagnostics	(Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE					
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
	(1)	VESTA	TYPE=ASTEROID,A=2.36193732526 5019,E=0.08872920479890047,I=7.13 4420968509158,O=103.914864501326 4,W=149.8368094343074,M=253.504 2125123777.EQUINOX=J2000,EPOC H=04-JAN-2010:00:00:00			

Proposal 12049 - Visit 05 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	POS TARG -0.5,0.5; GS ACQ SCENARI O BASE1B3		12 Secs [==>]	[1]
	2	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	3	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	4	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	5	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	6	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	7	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	8	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		1.2 Secs [==>]	[1]
	9	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	10	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	11	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	12	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	13	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	14	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	15	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		1.2 Secs [==>]	[1]
	16	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	17	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
18	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]	

Proposal 12049 - Visit 05 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

19	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
20	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
21	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
22	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
23	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
24	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	1.2 Secs [==>]	[1]
25	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
26	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
27	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
28	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
29	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	1.2 Secs [==>]	[1]
30	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
31	(1) VESTA	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	10 Secs [==>]	[1]



Proposal 12049 - Visit 05 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

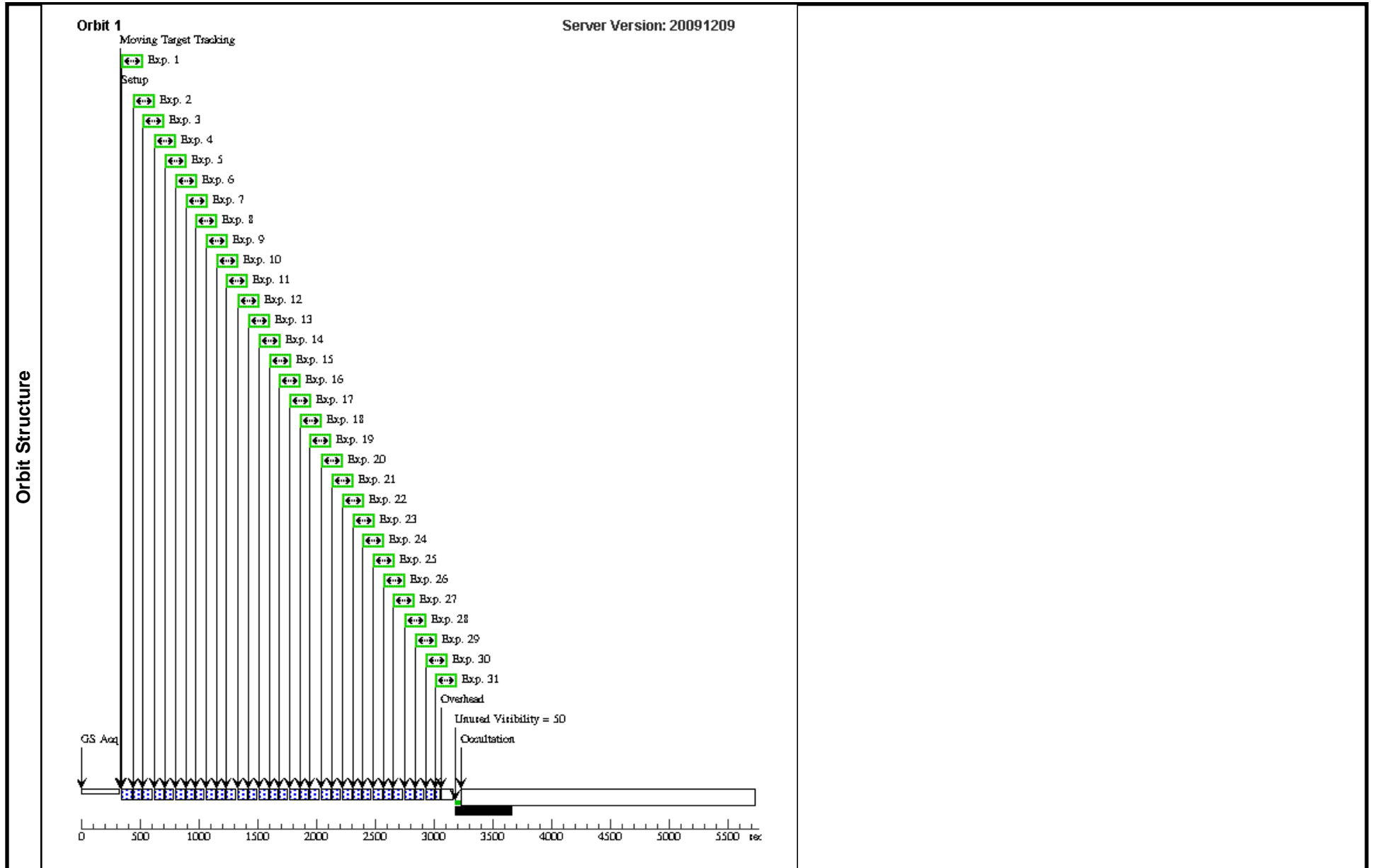
Visit	Proposal 12049, Visit 06, implementation Sat Feb 06 02:06:35 GMT 2010						
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)						
Diagnostics	(Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE						
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	VESTA	TYPE=ASTEROID,A=2.36193732526 5019,E=0.08872920479890047,I=7.13 4420968509158,O=103.914864501326 4,W=149.8368094343074,M=253.504 2125123777.EQUINOX=J2000,EPOC H=04-JAN-2010:00:00:00				

Proposal 12049 - Visit 06 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	POS TARG 0.5,0.5; GS ACQ SCENARI O BASE1B3		12 Secs [==>]	[1]
	2	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	3	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	4	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	5	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	6	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	7	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	8	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		1.2 Secs [==>]	[1]
	9	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	10	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	11	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	12	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	13	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	14	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	15	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		1.2 Secs [==>]	[1]
	16	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	17	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
18	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]	

Proposal 12049 - Visit 06 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

19	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
20	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
21	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
22	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
23	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
24	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	1.2 Secs [==>]	[1]
25	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
26	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
27	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
28	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
29	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	1.2 Secs [==>]	[1]
30	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
31	(1) VESTA	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	10 Secs [==>]	[1]



Proposal 12049 - Visit 06 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Visit	Proposal 12049, Visit 07, implementation Sat Feb 06 02:06:36 GMT 2010 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)						
	Diagnosics (Visit 07) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE						
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
	(1)	VESTA	TYPE=ASTEROID,A=2.36193732526 5019,E=0.08872920479890047,I=7.13 4420968509158,O=103.914864501326 4,W=149.8368094343074,M=253.504 2125123777,EQUINOX=J2000,EPOC H=04-JAN-2010:00:00:00				EARTH

Proposal 12049 - Visit 07 - Improve the Measurement of Vesta's Pole Orientation to Support Dawn Mission

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	POS TARG 0.5,-0.5; GS ACQ SCENARI O BASE1B3		12 Secs [==>]	[1]
	2	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	3	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	4	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	5	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	6	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	7	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	8	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		1.2 Secs [==>]	[1]
	9	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	10	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	11	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	12	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	13	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	14	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
	15	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		1.2 Secs [==>]	[1]
	16	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]
	17	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		12 Secs [==>]	[1]
18	(1) VESTA	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1		4 Secs [==>]	[1]	

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19	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
20	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
21	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
22	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
23	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
24	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	1.2 Secs [==>]	[1]
25	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
26	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
27	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F373N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
28	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F953N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	12 Secs [==>]	[1]
29	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F673N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	1.2 Secs [==>]	[1]
30	(1) VESTA	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F469N	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	4 Secs [==>]	[1]
31	(1) VESTA	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	CR-SPLIT=NO; BIN=NONE	SAME POS AS 1	10 Secs [==>]	[1]

