14103 - Born Small or Gone Small - Determining the Evolutionary State of Comet 252P/LINEAR during its Close Approach to Earth

Cycle: 23, 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?*
11	(1) 252P-1	S/C	1	24-Mar-2016 21:08:51.0	yes
12	(1) 252P-1	WFC3/UVIS	1	24-Mar-2016 21:08:54.0	yes
21	(2) 252P-2	S/C	1	24-Mar-2016 21:08:56.0	yes
A1	(2) 252P-2	WFC3/UVIS	1	24-Mar-2016 21:08:58.0	yes
22	(2) 252P-2	S/C	1	24-Mar-2016 21:09:00.0	yes
A2	(2) 252P-2	WFC3/UVIS	1	24-Mar-2016 21:09:02.0	yes
23	(2) 252P-2	S/C	1	24-Mar-2016 21:09:03.0	yes
A3	(2) 252P-2	WFC3/UVIS	1	24-Mar-2016 21:09:06.0	yes
24	(2) 252P-2	S/C	1	24-Mar-2016 21:09:07.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
A4	(2) 252P-2	WFC3/UVIS	1	24-Mar-2016 21:09:10.0	yes
25	(2) 252P-2	S/C	1	24-Mar-2016 21:09:11.0	yes
A5	(2) 252P-2	WFC3/UVIS	1	24-Mar-2016 21:09:13.0	yes
31	(3) 252P-3	S/C	1	24-Mar-2016 21:09:14.0	yes
B1	(3) 252P-3	WFC3/UVIS	1	24-Mar-2016 21:09:16.0	yes
32	(3) 252P-3	S/C	1	24-Mar-2016 21:09:17.0	yes
B2	(3) 252P-3	WFC3/UVIS	1	24-Mar-2016 21:09:19.0	yes
33	(3) 252P-3	S/C	1	24-Mar-2016 21:09:20.0	yes
B3	(3) 252P-3	WFC3/UVIS	1	24-Mar-2016 21:09:22.0	yes
34	(3) 252P-3	S/C	1	24-Mar-2016 21:09:23.0	yes
B4	(3) 252P-3	WFC3/UVIS	1	24-Mar-2016 21:09:25.0	yes
35	(3) 252P-3	S/C	1	24-Mar-2016 21:09:25.0	yes
B5	(3) 252P-3	WFC3/UVIS	1	24-Mar-2016 21:09:27.0	yes

22 Total Orbits Used

ABSTRACT

Comet 252P/LINEAR will have a close encounter with the Earth at 0.0357 AU in March 21, 2016, providing us with a rare opportunity to characterize the nucleus of this potentially unusual comet. Based on the very limited data available, 252P probably has one of the smallest nuclei of all known Jupiter-family comets (JFCs). The primordial size distribution of comets should represent the size distribution of cometesimals during the planetary formation processes. However, the JFC population is expected to be highly evolved, especially at the small-size end. Our goal is to ascertain whether the small size of 252P is primordial and representing the small size end of cometesimals, or highly evolved and represents the end state of a JFC's life. A few other processes related to the evolution of JFCs can also be tested by the characteristics of the nucleus of 252P including its size, shape, and the dust features near the nucleus. The high spatial resolution of WFC3/UVIS, with a projected pixel scale of 1 km/pixel at the comet during the encounter, is critical for this measurement. We request six HST orbits to image the comet with WFC3/UVIS during the close approach.

OBSERVING DESCRIPTION

The objectives of this program are to determine the dust production rate and nucleus size, and put constraints to the rotational status, of Comet 252P/LINEAR. For these purposes, we plan to collect broadband images of the comet with WFC3/UVIS camera through F625W filter, covering a total time baseline of >15 hrs during its close approach to Earth in March 2016.

The close encounter occurs at UT 2016-03-21T12:41 (+/-13 min). We plan to group 6 orbits into three two-orbit groups, with the center two oribts covering the close encounter, and the first and third group separated from the center gorup by 5-7 hrs, providing a total time baseline of 16 hrs.

For each orbit (visit), we will alternate between two exposure times of 2.5 s and 50 s in order to accomodate the large range of the possible size of the nucleus. We plan to use 2k subframe for 50 s exposures to provide a sufficient FOV to cover the extended coma while avoid camera memory dump during the orbit, and 1k or even 512 pixel subframe for 2.5 s exposures because no much extended coma is expected for the short exposure time. The size of subframe we use depends on the expected size of the extended coma, as well as the ephemeris uncertainty.

In the middle of each orbit, we will offset the telescope pointing from the nominal pointing by 10 pixels in both x and y directions to fill in bad pixels and bad columns.

For each individual frame, we do not use CR-SPLIT, not expecting cosmic ray to significantly affect our exposures with up to 50 s exposure time. We will set FLASH=10 or 12 for the two exposure levels, depending on the expected sky background given by the ETC.

The ephemeris uncertainty of 252P is currently up to 1000" during close approach. Our estimate suggests that we should be able to refine the orbital elements to allow for a position uncertainty of <9" with new astrometry data to be collected.

We plan to update our observing plan three weeks before the observations, as with all of our previous observations for comets. We will use the newly available data to update the exposure time, subframe size, and target ephemeris.

We plan to use one orbit to observe the comet on March 14, 2016, and other 5 orbits in March 21, 2016 during the close approach. The two epochs have line-of-sight directions different by ~50 deg, allowing us to better determine the shape of the nucleus and the structure of the coma.

The exposure time is based on the brightness measurement of the comet using the most recent images taken in late February from the Discovery Telescope (M.S.P. Kelley). The Afrho value as a proxy to the dust production rate of the comet near perihelion is about 5 cm. We used the previous observations of Comet C/2013 A1 (Siding Spring) to scale the exposure time for the coma, and derived a peak count rate of 28 DN/s. There is no danger to saturate the coma in any case.

For the nucleus brightness, we assumed a range of radius from 0.1 to 0.9 km. The pixel size of the observations on March 14 is 1.6 km, and on March 21 (close approach) is 1.0 km. We plan to use two levels of exposure time, 5 s and 60 s. The long exposure will accomodate a maximum nucleus size of 0.5 km, and give an S/N of 40/pixel near the center, and 4/pix at 100 pixels from the center, sufficient to modelt he coma for nucleus-coma separation. The short exposure will not saturate the nucleus unless it is larger than 1.7 km, which we consider highly unlikely.

The ephemeris position of the comet is expected to be accurate to a few arcsec, with a ~1% possibility to be >80". We plan to use 1k-by-1k subframe (40" FOV) for most exposures, but also include two exposures with 2k-by-2k subframe (80" FOV) in each orbit to accomodate the unexpectedly wrong ephemeris or a badly behaving comet. The orbital elements of the comet in this update were calculated by D. Farnocchia using the most updated dynamical model with 2-jet, converted to gravity only model at the epoch of March 14, 2016 UT12:00. This ephemeris is associated with target 252P-1, and we expect to update it for the second epoch with target 252P-2.

We plan to alternate between F625W and F555W filter in each orbit, with a (-0.5", -0.5") dither in the middle of each orbit to avoid bad pixels/columns.

The 5 orbit in the second epoch should have 3 consecutive orbits, and a one orbit interval between the 3rd and the 4th orbit, and a 1-2 orbit interval between the 4th and the 5th orbit. The purpose is to allow good determination of the rotational period through a lightcurve, and cover as long time baseline as possible without negatively impact the ability to phase lightcurve together.

We expect another update on Monday, March 7 for the 5 orbits in the second epoch. This update will include an ephemeris update, and fine-tunes of

the sequence in each orbit.

Updated 3/4/2016

1. Uncheck "On Hold" for visits 21-25.
2. Updated ephemeris for target 2 252P-2. Changed the Ephemeris Center from "HUBBLE" to "EARTH".
3. Reduced exposure time to 10s, 2 s and 20 s from 30s, 5s and 60 s to accomodate the 1.6x closer geocentric distance of the target than at the time of visit 11.
4. Adjusted FLASH=12 for all 20 s exposures.
5. Added a few more exposures to fill in the orbit by copy and paste existing exposures.

Updated 3/22/2016

Re-planned Visits 31-35 to replace the failed Visits A1-A5. Target observing date is April 4.

1. Updated ephemeris for 252P as target 3 252P-3. Set ephemeris center as "EARTH"
2. Updated exposure time to 80 s for all exposures
3. Use UVIS2-C1K1C-SUB for all exposures
4. Adjusted FLASH=9 for all exposures
5. Updated sequence to a total duration of ~2870 s.

Visit

Proposal 14103, Visit 11, completed Fri Mar 25 01:09:30 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK; BETWEEN 14-MAR-2016:00:00:00 AND 15-MAR-2016:00:00:00; SEQ 11,12 WITHIN 1.25 H

Solar System Targets

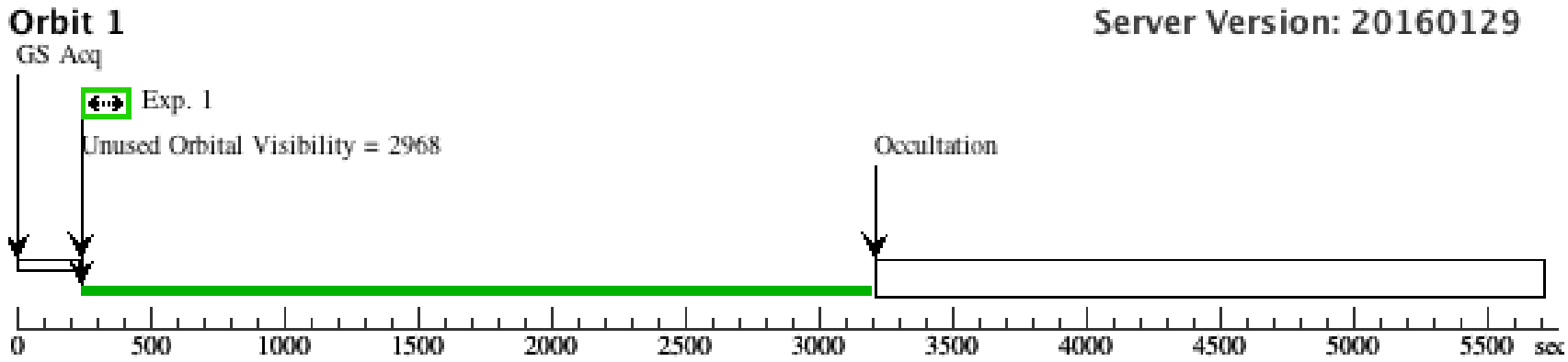
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(1)	252P-1	TYPE=COMET,Q=0.9960726607346362,E=0.673906609577851,I=10.40910558776471,O=190.96567770845,W=343.3041059777631,T=15-MAR-2016:06:36:39,TTimeScale=TDB,EQUINOX=J2000,EPOCH=14-MAR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) 252P-1	S/C, POINTING, V1			POS TARG 0.6139,-77.3774; EXP PCS MODE FINE; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit 12, completed Fri Mar 25 01:09:30 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO; BETWEEN 14-MAR-2016:00:00:00 AND 15-MAR-2016:00:00:00

Solar System Targets

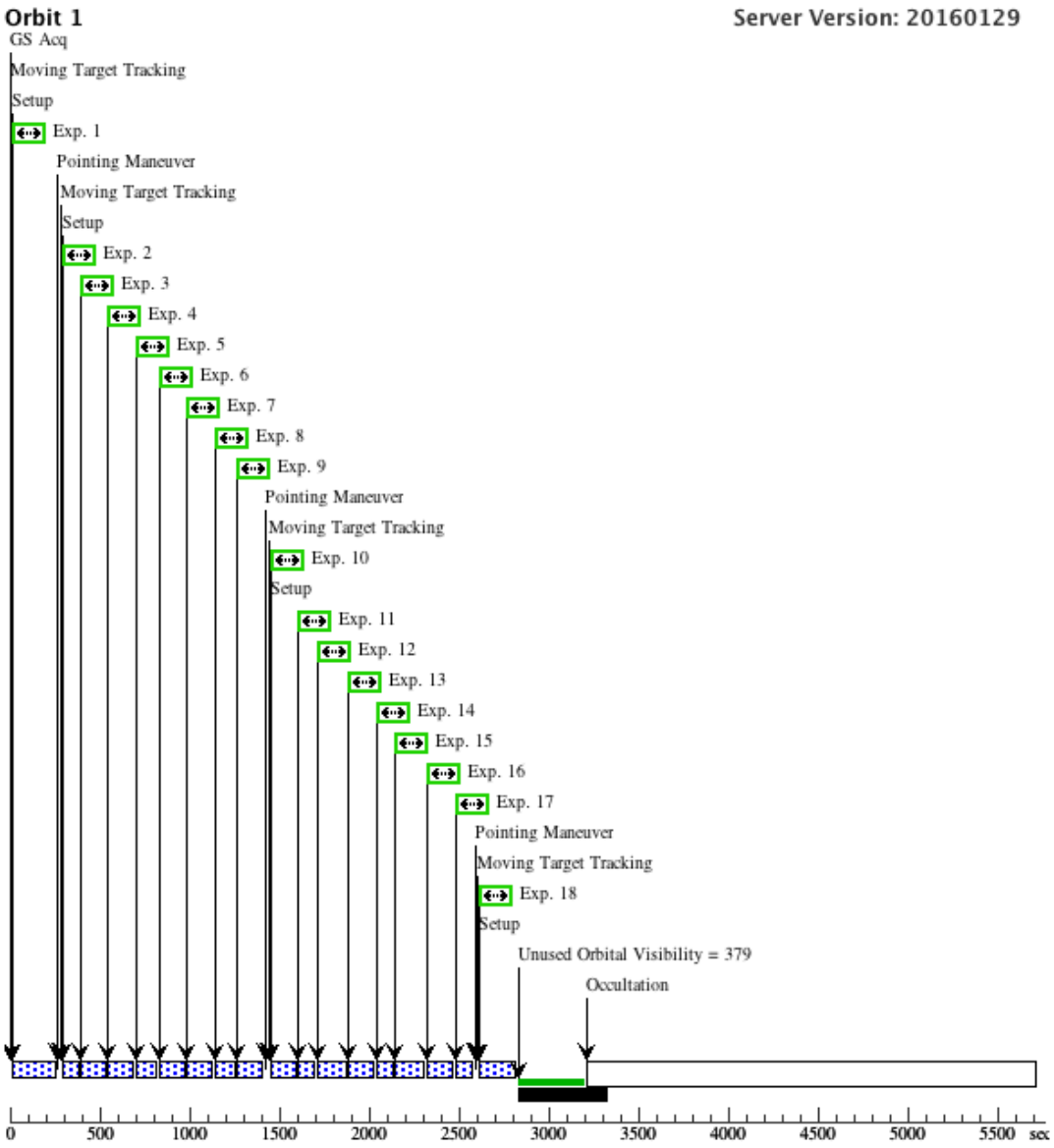
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(1)	252P-1	TYPE=COMET,Q=0.9960726607346362,E=0.673906609577851,I=10.40910558776471,O=190.96567770845,W=343.3041059777631,T=15-MAR-2016:06:36:39,TTimeScale=TDB,EQUINOX=J2000,EPOCH=14-MAR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=11		Sequence 1-18 Non-Int in Visit 12	30 Secs (30 Secs)	
								[==>]	***[1]***
2		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-18 Non-Int in Visit 12	5 Secs (5 Secs)	
								[==>]	***[1]***
3		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=10		Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
4		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=10		Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
5		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-18 Non-Int in Visit 12	5 Secs (5 Secs)	
								[==>]	***[1]***
6		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=10		Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
7		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=10		Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
8		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-18 Non-Int in Visit 12	5 Secs (5 Secs)	
								[==>]	***[1]***
9		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=10		Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
10		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=10	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
11		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	5 Secs (5 Secs)	
								[==>]	***[1]***
12		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=10	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
13		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=10	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
14		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	5 Secs (5 Secs)	
								[==>]	***[1]***
15		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=10	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
16		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=10	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	60 Secs (60 Secs)	
								[==>]	***[1]***
17		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	5 Secs (5 Secs)	
								[==>]	***[1]***
18		(1) 252P-1	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=11	POS TARG -0.5,-0.5	Sequence 1-18 Non-Int in Visit 12	30 Secs (30 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit 21, completed Fri Mar 25 01:09:30 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK; BETWEEN 21-MAR-2016:00:00:00 AND 22-MAR-2016:00:00:00; SEQ 21,A1 WITHIN 1.25 H

Solar System Targets

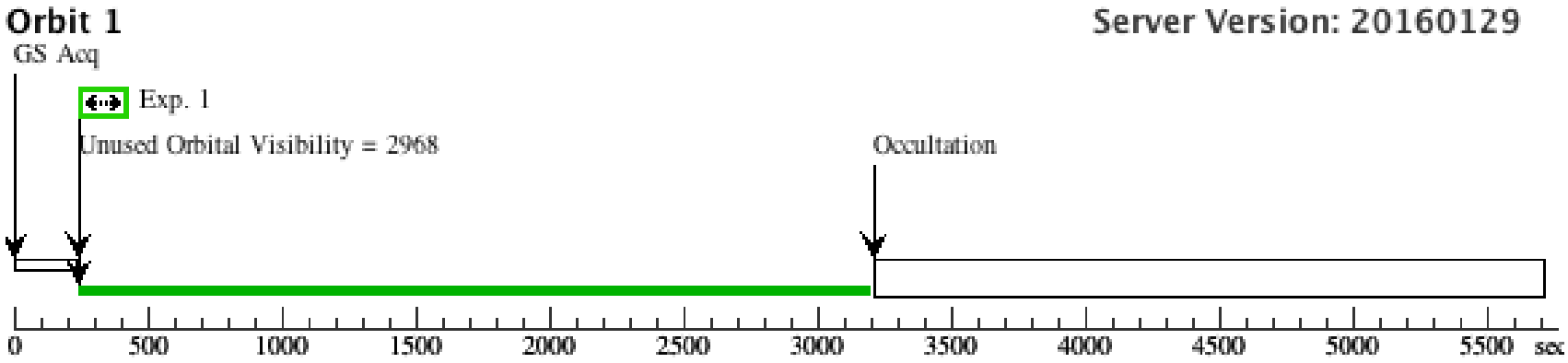
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	S/C, POINTING, V1			POS TARG 0.6139,-77.3774; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 14103, Visit A1, completed Fri Mar 25 01:09:30 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO; BETWEEN 21-MAR-2016:00:00:00 AND 22-MAR-2016:00:00:00

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

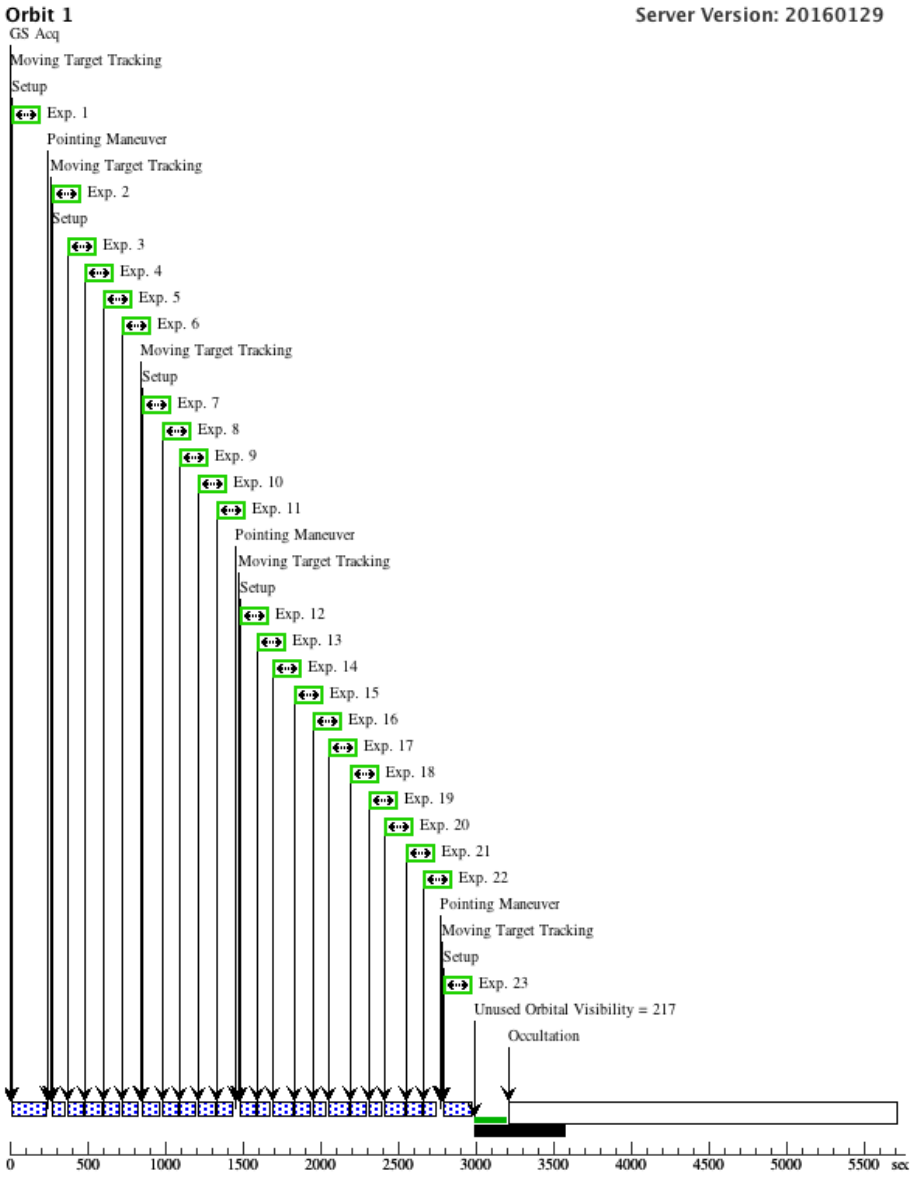
Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	10 Secs (10 Secs) *[==>]*	*[1]*
2		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	2 Secs (2 Secs) *[==>]*	*[1]*
3		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
4		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	2 Secs (2 Secs) *[==>]*	*[1]*
5		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
6		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
7		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	NEW ALIGNMENT	Sequence 1-23 Non-Int in Visit A1	2 Secs (2 Secs) *[==>]*	*[1]*
8		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
9		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
10		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	2 Secs (2 Secs) *[==>]*	*[1]*
11		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
12		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
13		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	2 Secs (2 Secs) *[==>]*	*[1]*
14		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
15		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
16		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	2 Secs (2 Secs) *[==>]*	*[1]*
17		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
18		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
19		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	2 Secs (2 Secs) *[==>]*	*[1]*
20		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
21		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	20 Secs (20 Secs) *[==>]*	*[1]*
22		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	2 Secs (2 Secs) *[==>]*	*[1]*

	23	(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A1	10 Secs (10 Secs) [==>]	[1]

Orbit Structure



Visit

Proposal 14103, Visit 22, completed Fri Mar 25 01:09:30 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK; SEQ 22,A2 WITHIN 1.25 H

Solar System Targets

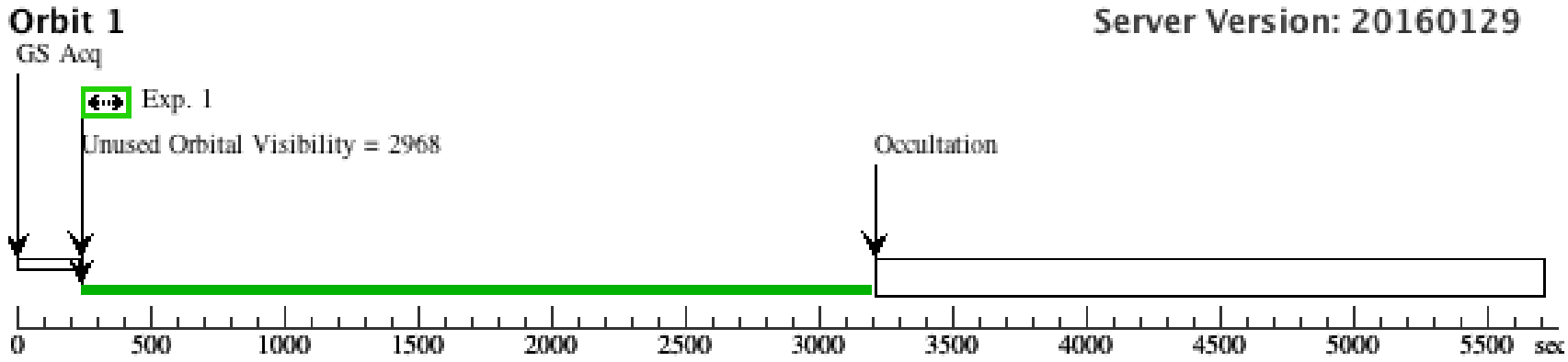
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	S/C, POINTING, V1			POS TARG 0.6139,-77.3774; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 14103, Visit A2, completed Fri Mar 25 01:09:30 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

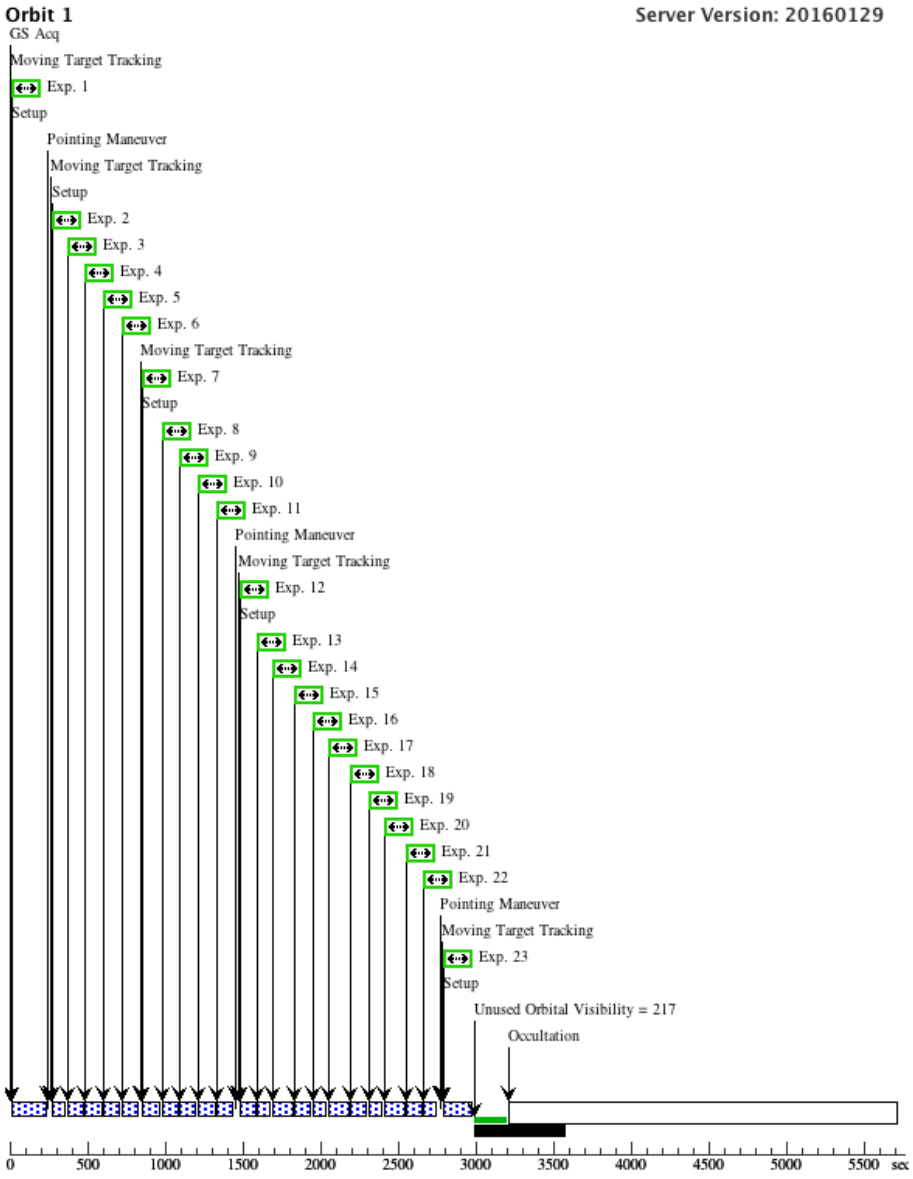
Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	10 Secs (10 Secs) [==>]	[1]
2		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	2 Secs (2 Secs) [==>]	[1]
3		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
4		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	2 Secs (2 Secs) [==>]	[1]
5		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
6		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
7		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	NEW ALIGNMENT	Sequence 1-23 Non-Int in Visit A2	2 Secs (2 Secs) [==>]	[1]
8		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
9		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
10		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	2 Secs (2 Secs) [==>]	[1]
11		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
12		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
13		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	2 Secs (2 Secs) [==>]	[1]
14		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
15		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
16		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	2 Secs (2 Secs) [==>]	[1]
17		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
18		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
19		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	2 Secs (2 Secs) [==>]	[1]
20		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
21		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	20 Secs (20 Secs) [==>]	[1]
22		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	2 Secs (2 Secs) [==>]	[1]

	23	(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A2	10 Secs (10 Secs) [==>]	[1]

Orbit Structure



Visit

Proposal 14103, Visit 23, completed Fri Mar 25 01:09:30 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK; SEQ 23,A3 WITHIN 1.25 H

Solar System Targets

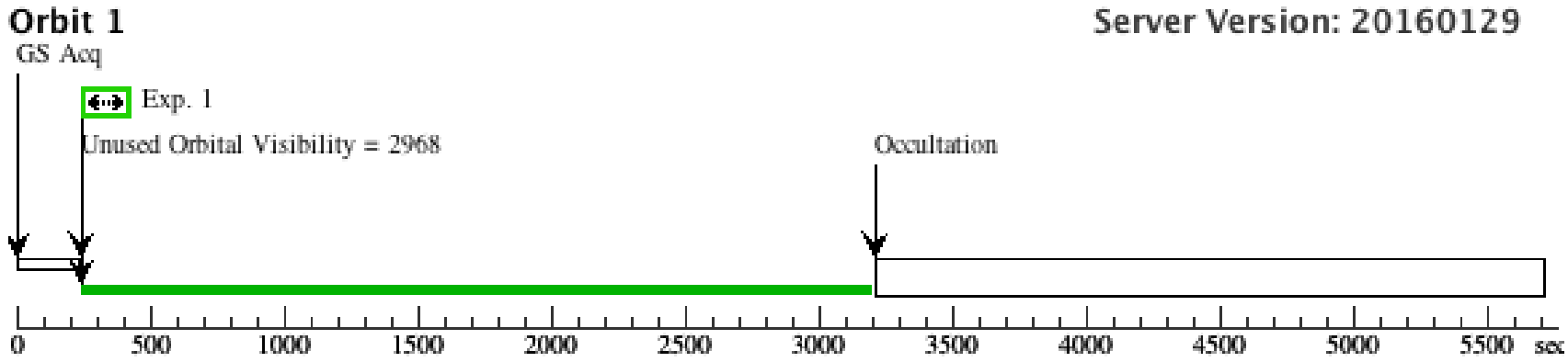
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	S/C, POINTING, V1			POS TARG 0.6139,-77.3774; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 14103, Visit A3, completed Fri Mar 25 01:09:30 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

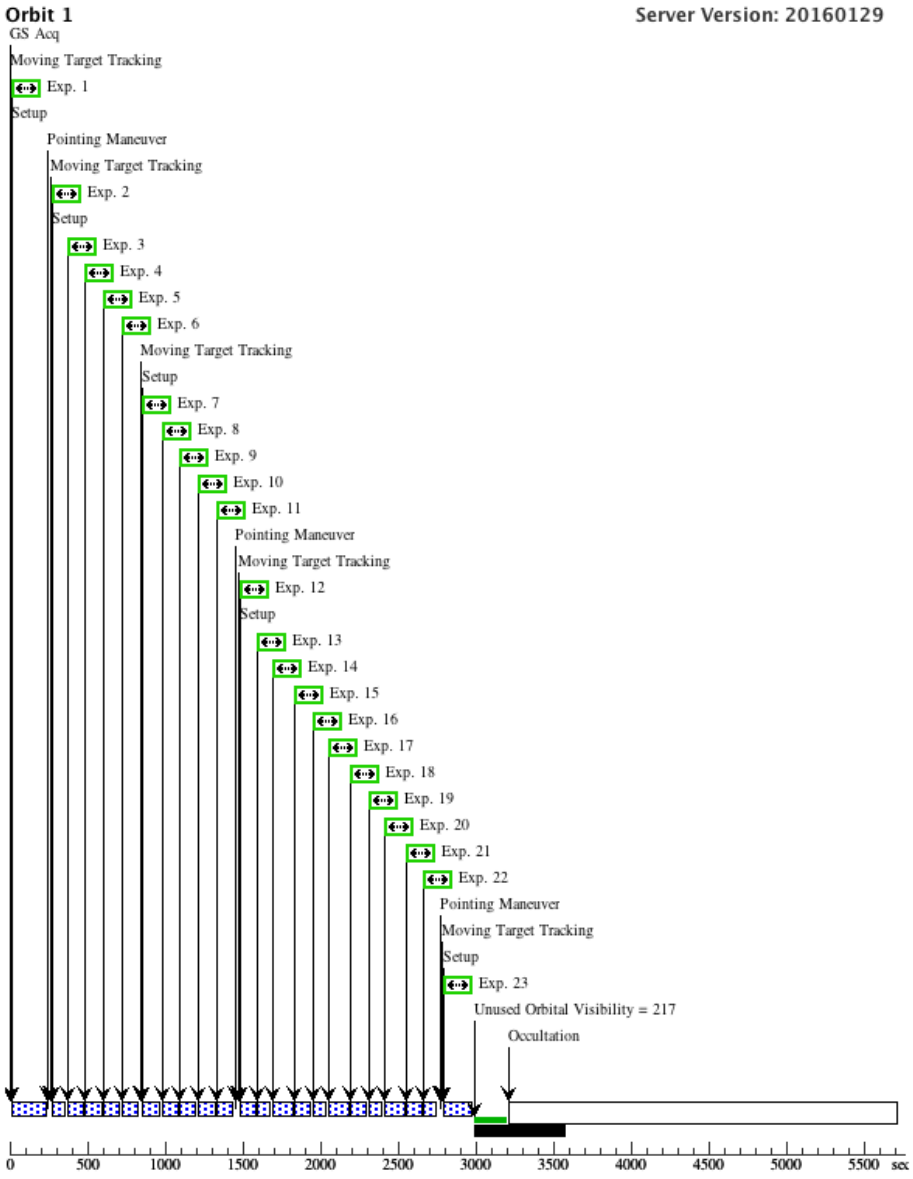
Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	10 Secs (10 Secs) *[==>]*	*[1]*
2		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	2 Secs (2 Secs) *[==>]*	*[1]*
3		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
4		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	2 Secs (2 Secs) *[==>]*	*[1]*
5		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
6		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
7		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	NEW ALIGNMENT	Sequence 1-23 Non-Int in Visit A3	2 Secs (2 Secs) *[==>]*	*[1]*
8		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
9		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
10		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	2 Secs (2 Secs) *[==>]*	*[1]*
11		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
12		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
13		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	2 Secs (2 Secs) *[==>]*	*[1]*
14		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
15		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
16		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	2 Secs (2 Secs) *[==>]*	*[1]*
17		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
18		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
19		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	2 Secs (2 Secs) *[==>]*	*[1]*
20		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
21		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	20 Secs (20 Secs) *[==>]*	*[1]*
22		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	2 Secs (2 Secs) *[==>]*	*[1]*

	23	(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A3	10 Secs (10 Secs) [==>]	[1]

Orbit Structure



Visit

Proposal 14103, Visit 24, completed Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK; SEQ 24,A4 WITHIN 1.25 H

Solar System Targets

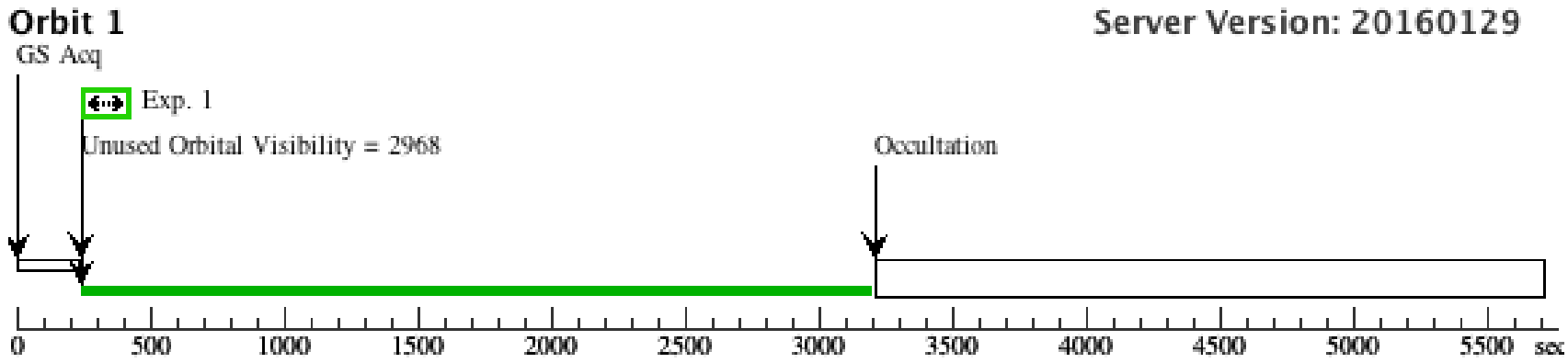
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	S/C, POINTING, V1			POS TARG 0.6139,-77.3774; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 14103, Visit A4, completed Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

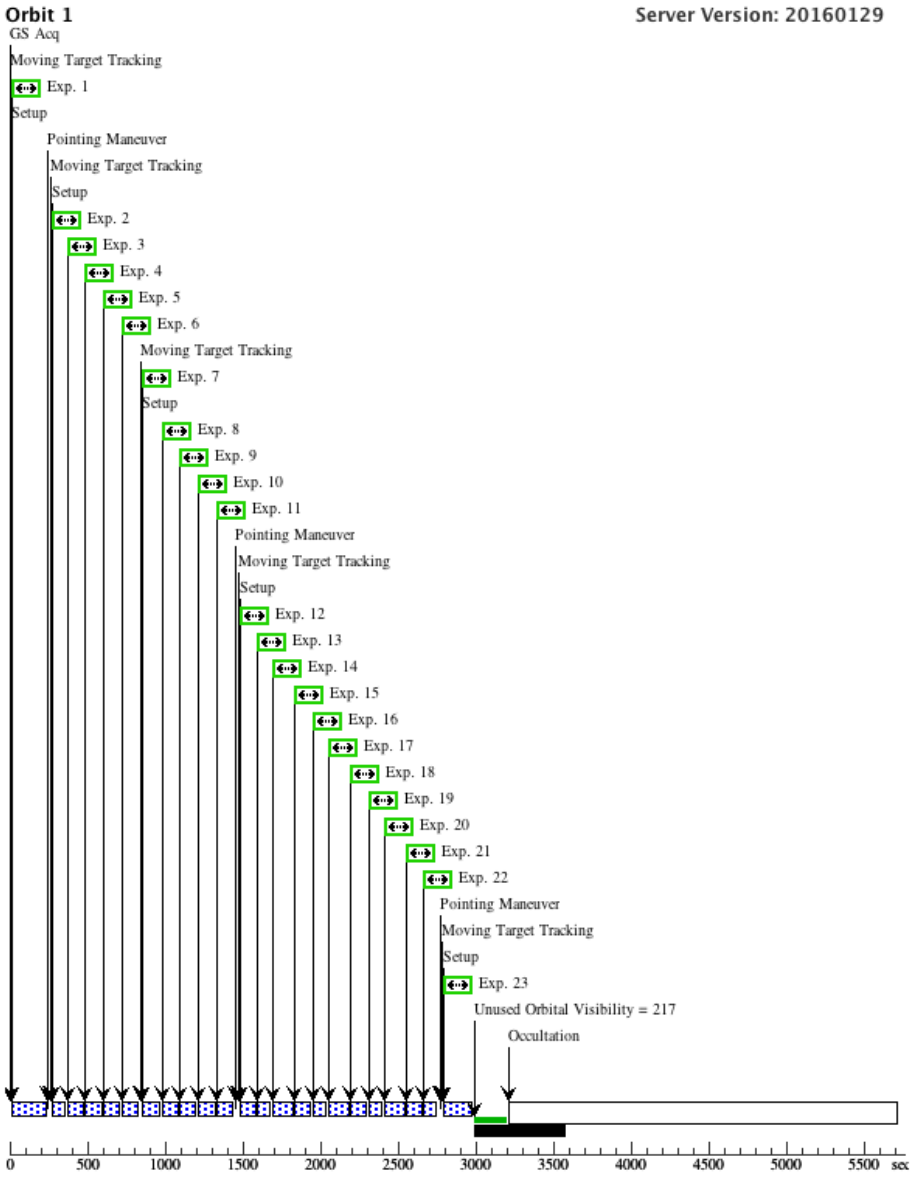
Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	10 Secs (10 Secs) *[==>]*	*[1]*
2		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	2 Secs (2 Secs) *[==>]*	*[1]*
3		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
4		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	2 Secs (2 Secs) *[==>]*	*[1]*
5		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
6		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
7		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	NEW ALIGNMENT	Sequence 1-23 Non-Int in Visit A4	2 Secs (2 Secs) *[==>]*	*[1]*
8		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
9		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
10		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	2 Secs (2 Secs) *[==>]*	*[1]*
11		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
12		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
13		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	2 Secs (2 Secs) *[==>]*	*[1]*
14		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
15		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
16		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	2 Secs (2 Secs) *[==>]*	*[1]*
17		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
18		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
19		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	2 Secs (2 Secs) *[==>]*	*[1]*
20		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
21		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	20 Secs (20 Secs) *[==>]*	*[1]*
22		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	2 Secs (2 Secs) *[==>]*	*[1]*

	23	(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A4	10 Secs (10 Secs) [==>]	[1]

Orbit Structure



Visit

Proposal 14103, Visit 25, completed Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK; SEQ 25,A5 WITHIN 1.25 H

Solar System Targets

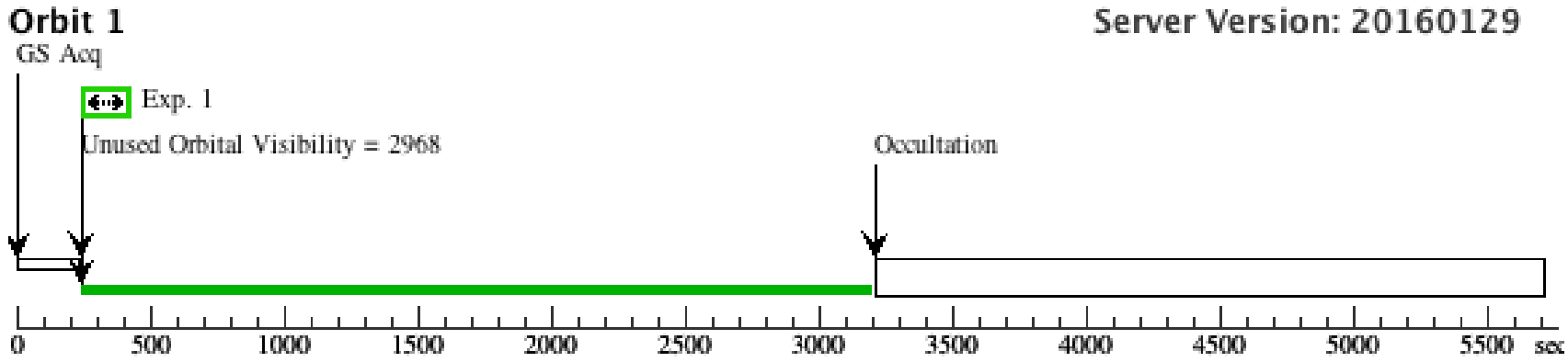
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	S/C, POINTING, V1			POS TARG 0.6139,-77.3774; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 14103, Visit A5, completed Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(2)	252P-2	TYPE=COMET,Q=0.9960731382998116,E=0.6738644369023179,I=10.41786329281957,O=190.9550435841458,W=343.3154256327039,T=15-MAR-2016:06:37:29,TTimeScale=TDB,EQUINOX=J2000,EPOCH=21-MAR-2016:12:00:00,EpochTimeScale=TDB				HUBBLE

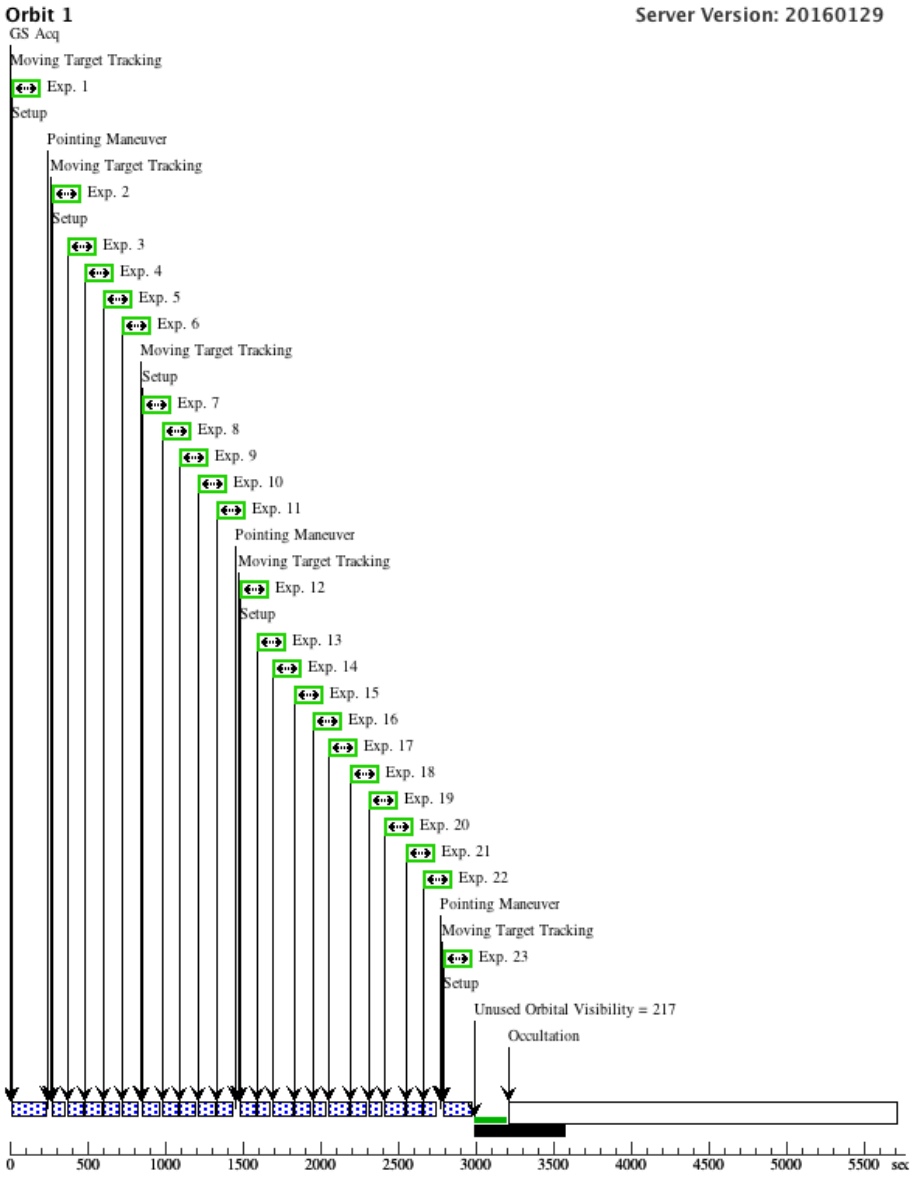
Comments: To be updated on March 7. Current elements are based on orbital elements provided by Davide Farnocchia based on data arc from 2000 to 2016-02-28. Use 2-jet model to fit data, and convert to gravity only solution at epoch 2016-03-14T12:00:00.
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	10 Secs (10 Secs) [==>]	[1]
2		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	2 Secs (2 Secs) [==>]	[1]
3		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
4		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	2 Secs (2 Secs) [==>]	[1]
5		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
6		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
7		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	NEW ALIGNMENT	Sequence 1-23 Non-Int in Visit A5	2 Secs (2 Secs) [==>]	[1]
8		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
9		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
10		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	2 Secs (2 Secs) [==>]	[1]
11		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12		Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
12		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
13		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	2 Secs (2 Secs) [==>]	[1]
14		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
15		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
16		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	2 Secs (2 Secs) [==>]	[1]
17		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
18		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
19		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	2 Secs (2 Secs) [==>]	[1]
20		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
21		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	20 Secs (20 Secs) [==>]	[1]
22		(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	2 Secs (2 Secs) [==>]	[1]

	23	(2) 252P-2	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F625W	CR-SPLIT=NO; FLASH=12	POS TARG -0.5,-0.5	Sequence 1-23 Non-Int in Visit A5	10 Secs (10 Secs) [==>]	[1]

Orbit Structure



Visit

Proposal 14103, Visit 31, implementation Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK; SEQ 31,B1 WITHIN 1.25 H

Solar System Targets

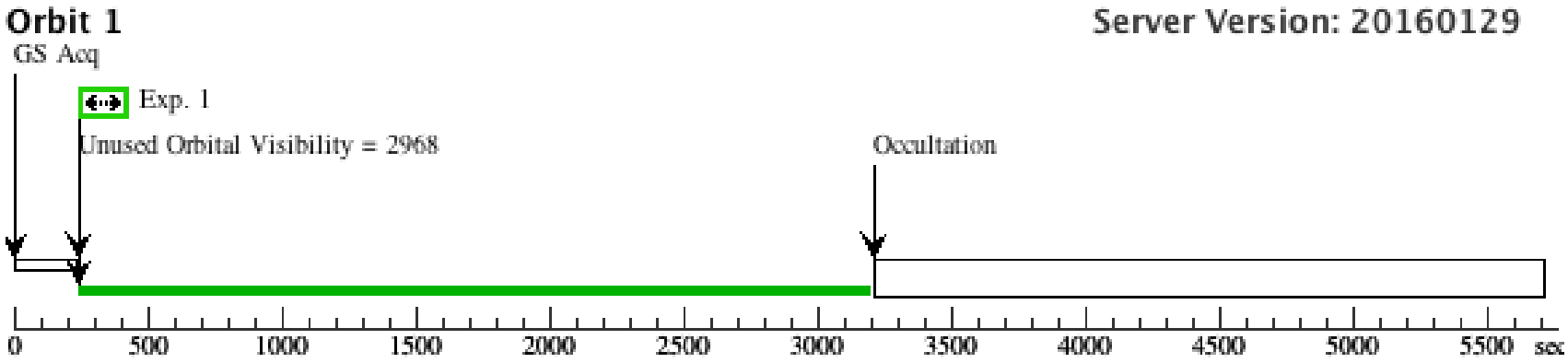
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	S/C, POINTING, V1			POS TARG -1.2858, -93.3875; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit B1, implementation Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO; BETWEEN 04-APR-2016:00:00:00 AND 05-APR-2016:00:00:00; SEQ 31,B1 WITHIN 1.25 H; VISIBILITY INTERVAL 2775 S

Solar System Targets

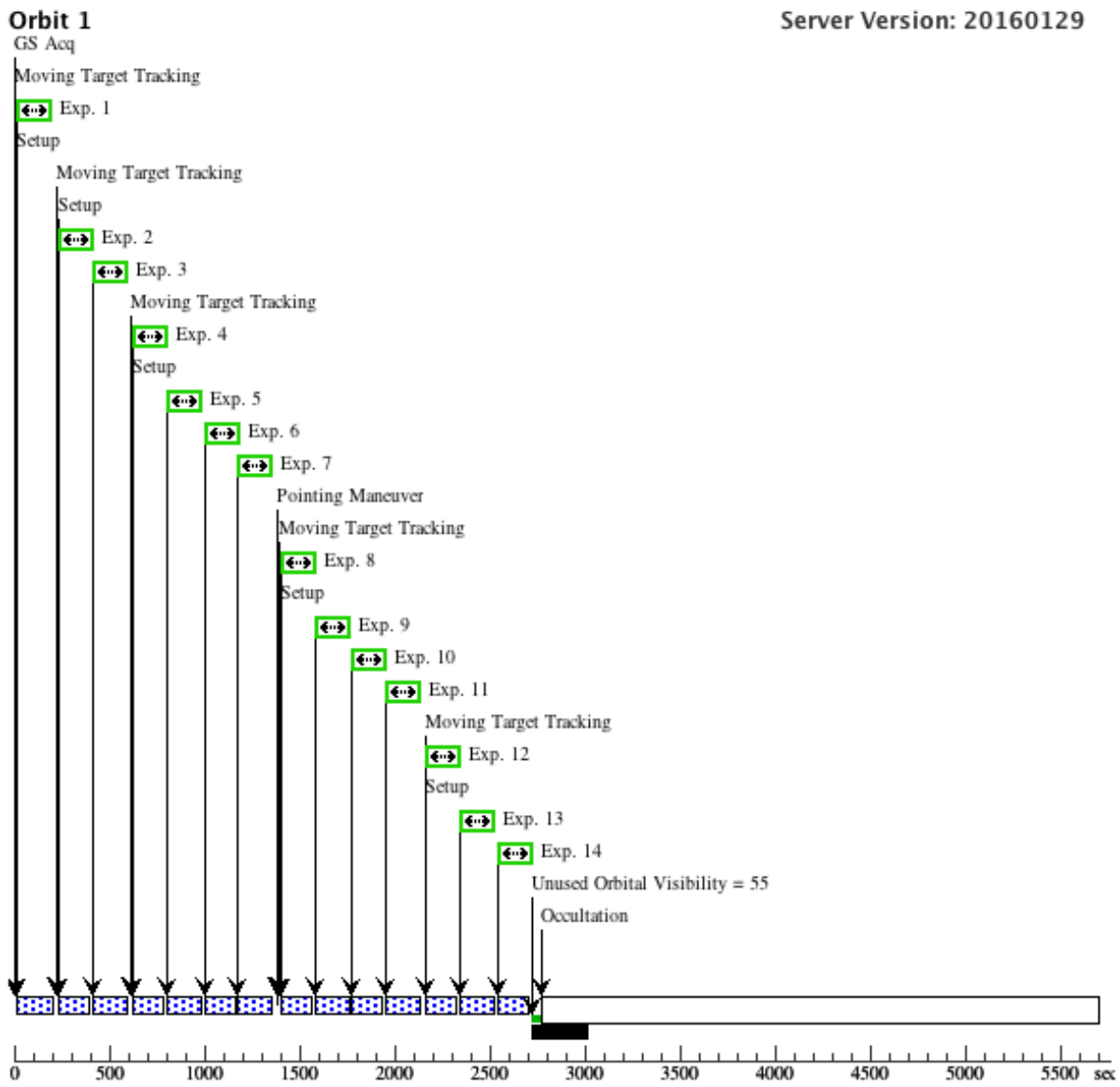
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
2		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
3		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
4		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
5		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
6		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
7		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
8		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
9		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
10		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
11		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
12		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5; NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
13		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***
14		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B1	80 Secs (80 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit 32, implementation

Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK

Solar System Targets

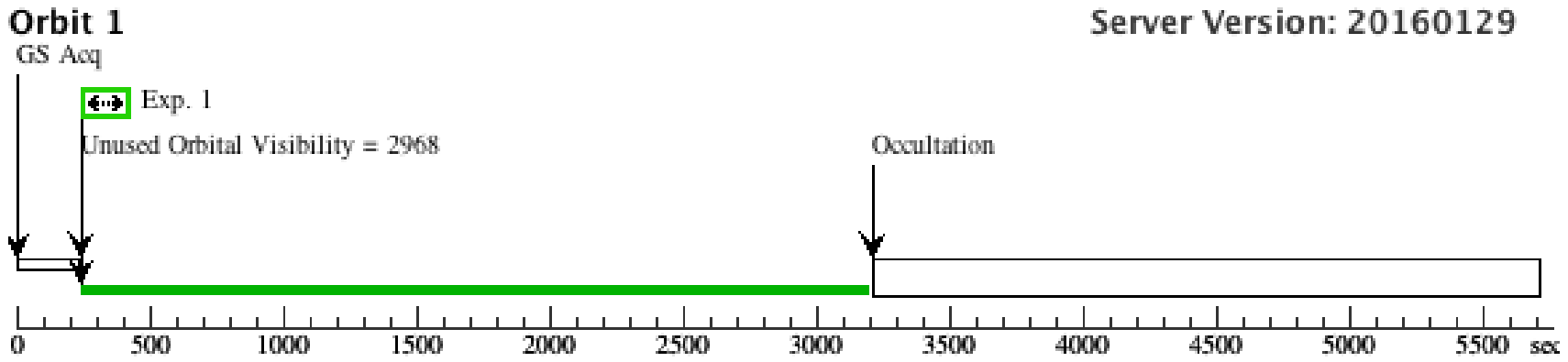
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	S/C, POINTING, V1			POS TARG -1.2858, -93.3875; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit B2, implementation Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO; AFTER 31 BY 0.9 Orbits TO 1.1 Orbits; SEQ 32,B2 WITHIN 1.25 H; VISIBILITY INTERVAL 2775 S

Solar System Targets

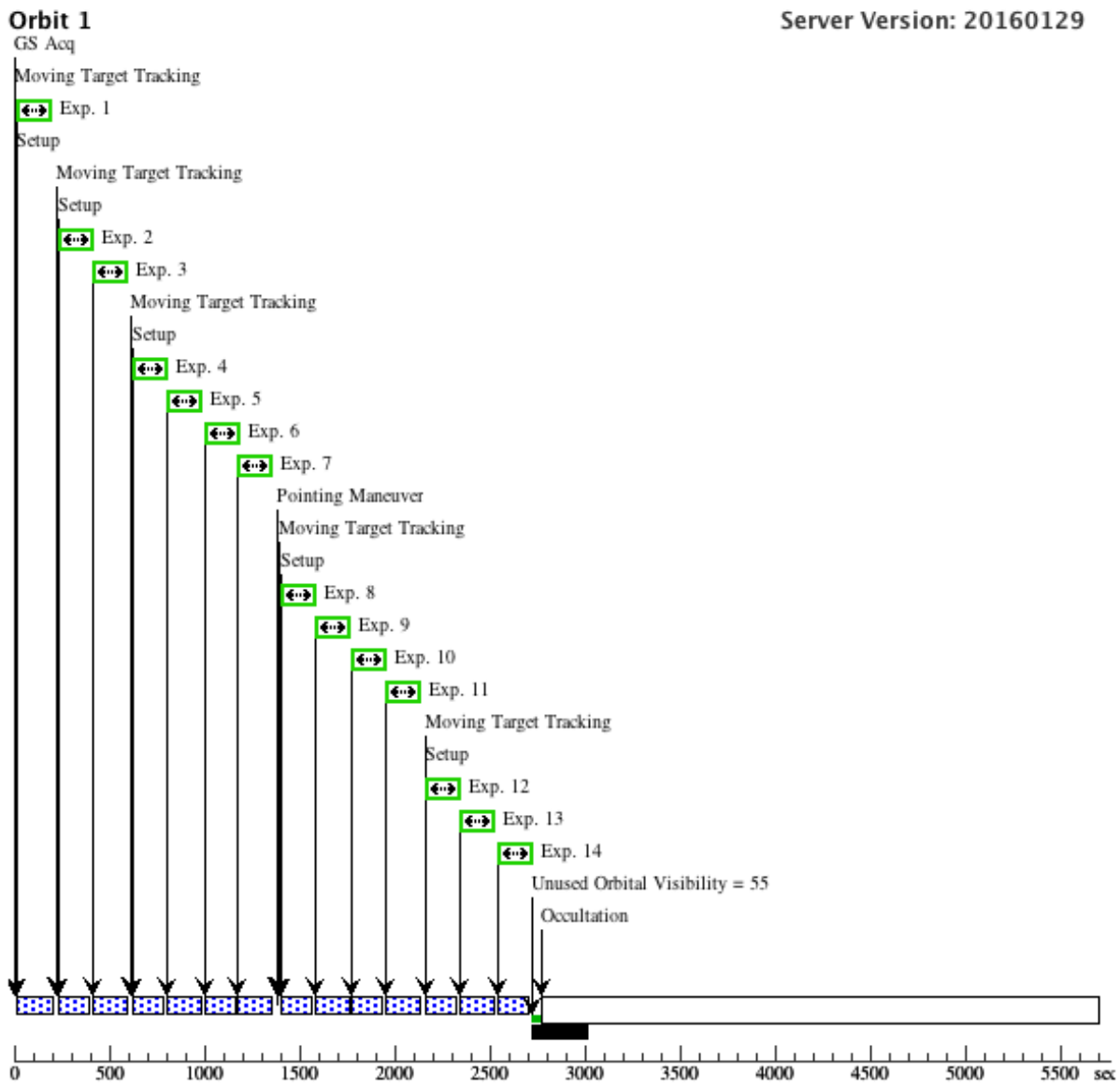
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
2		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
3		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
4		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
5		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
6		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
7		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
8		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
9		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
10		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
11		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
12		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5; NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
13		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***
14		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B2	80 Secs (80 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit 33, implementation

Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK

Solar System Targets

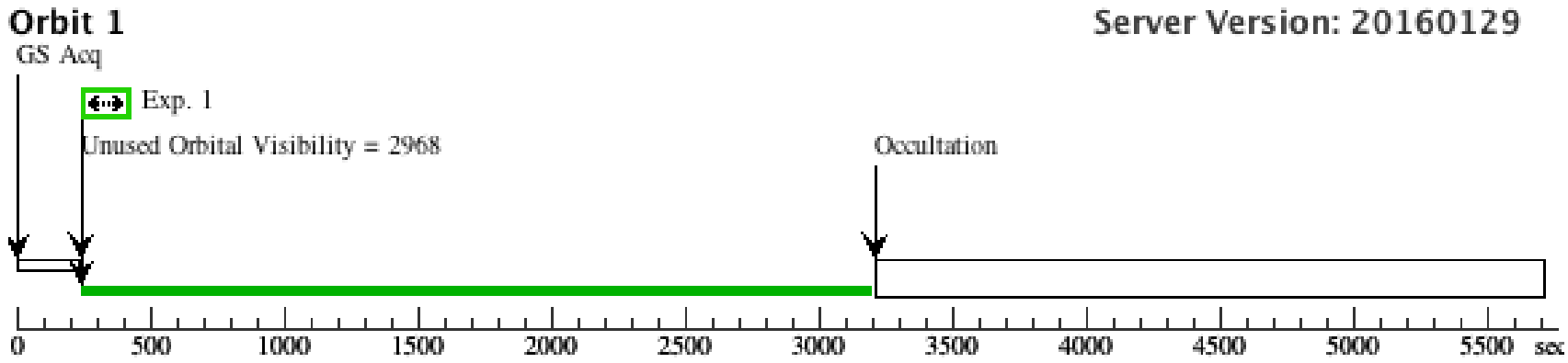
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	S/C, POINTING, V1			POS TARG -1.2858, -93.3875; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit B3, implementation Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO; AFTER B2 BY 0.9 Orbits TO 1.1 Orbits; SEQ 33,B3 WITHIN 1.25 H; VISIBILITY INTERVAL 2775 S

Solar System Targets

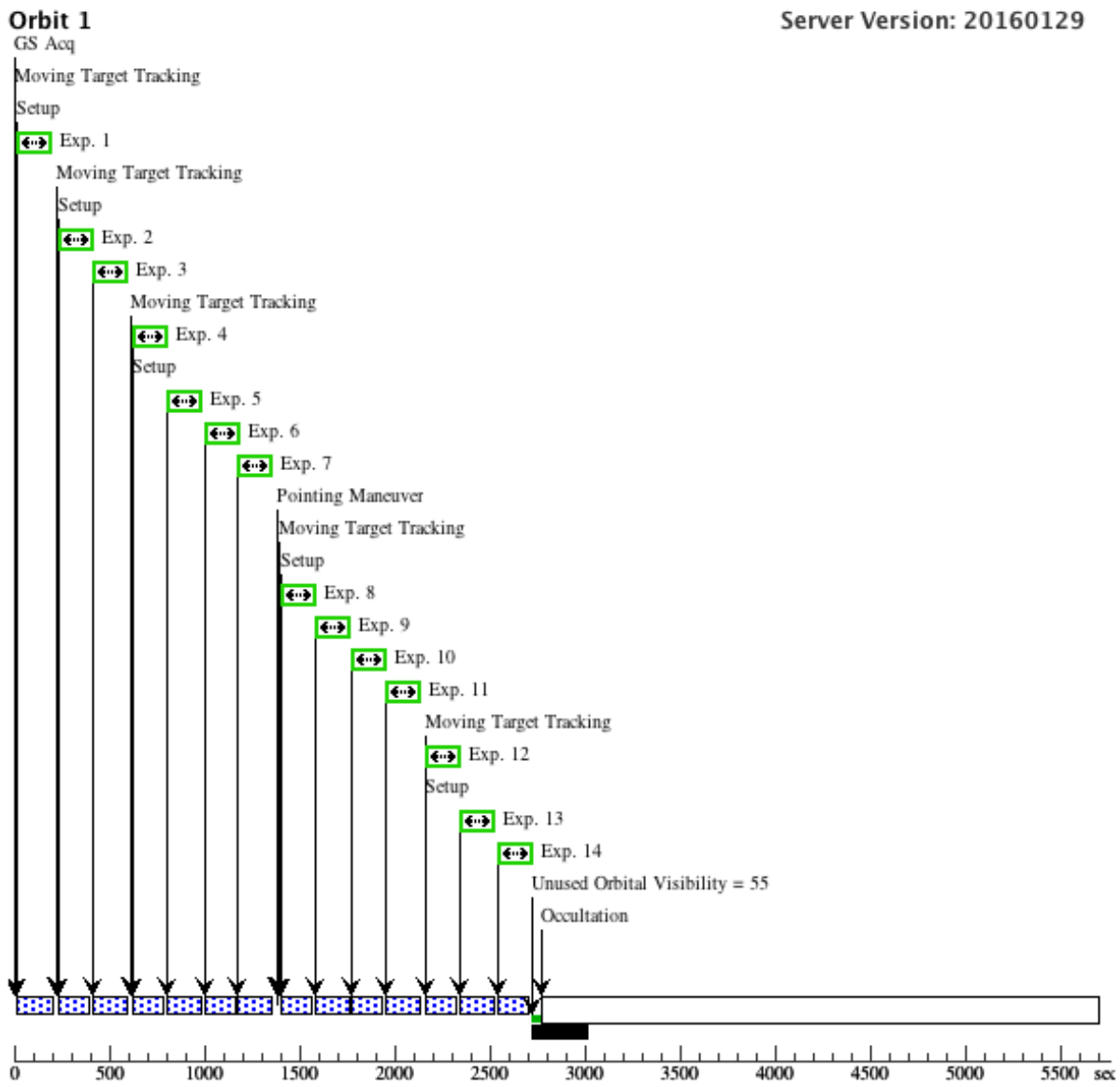
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
2		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
3		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
4		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
5		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
6		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
7		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
8		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
9		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
10		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
11		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
12		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5; NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
13		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***
14		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B3	80 Secs (80 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit 34, implementation Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK

Solar System Targets

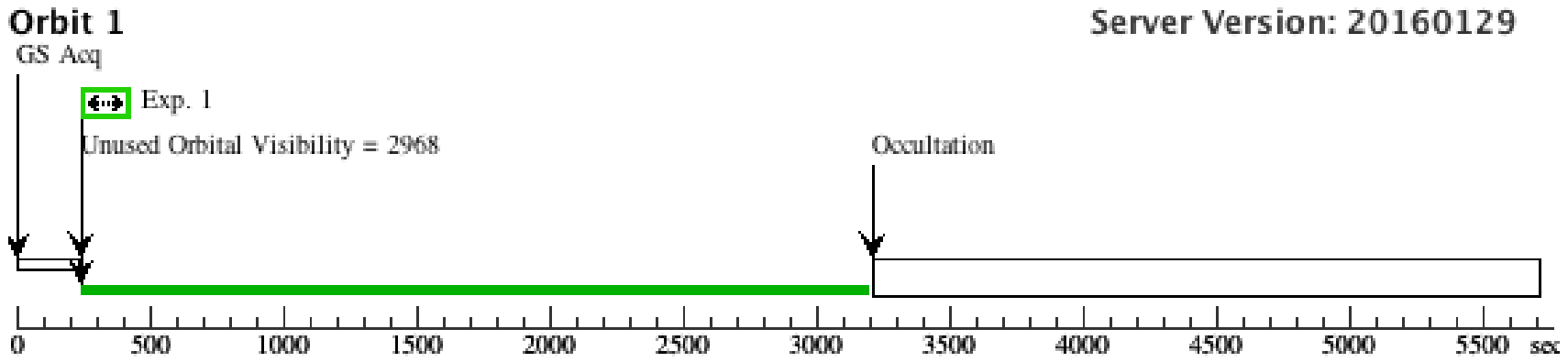
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	S/C, POINTING, V1			POS TARG -1.2858, -93.3875; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit B4, implementation Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO; AFTER B3 BY 0.9 Orbits TO 2.1 Orbits; SEQ 34,B4 WITHIN 1.25 H; VISIBILITY INTERVAL 2775 S

Solar System Targets

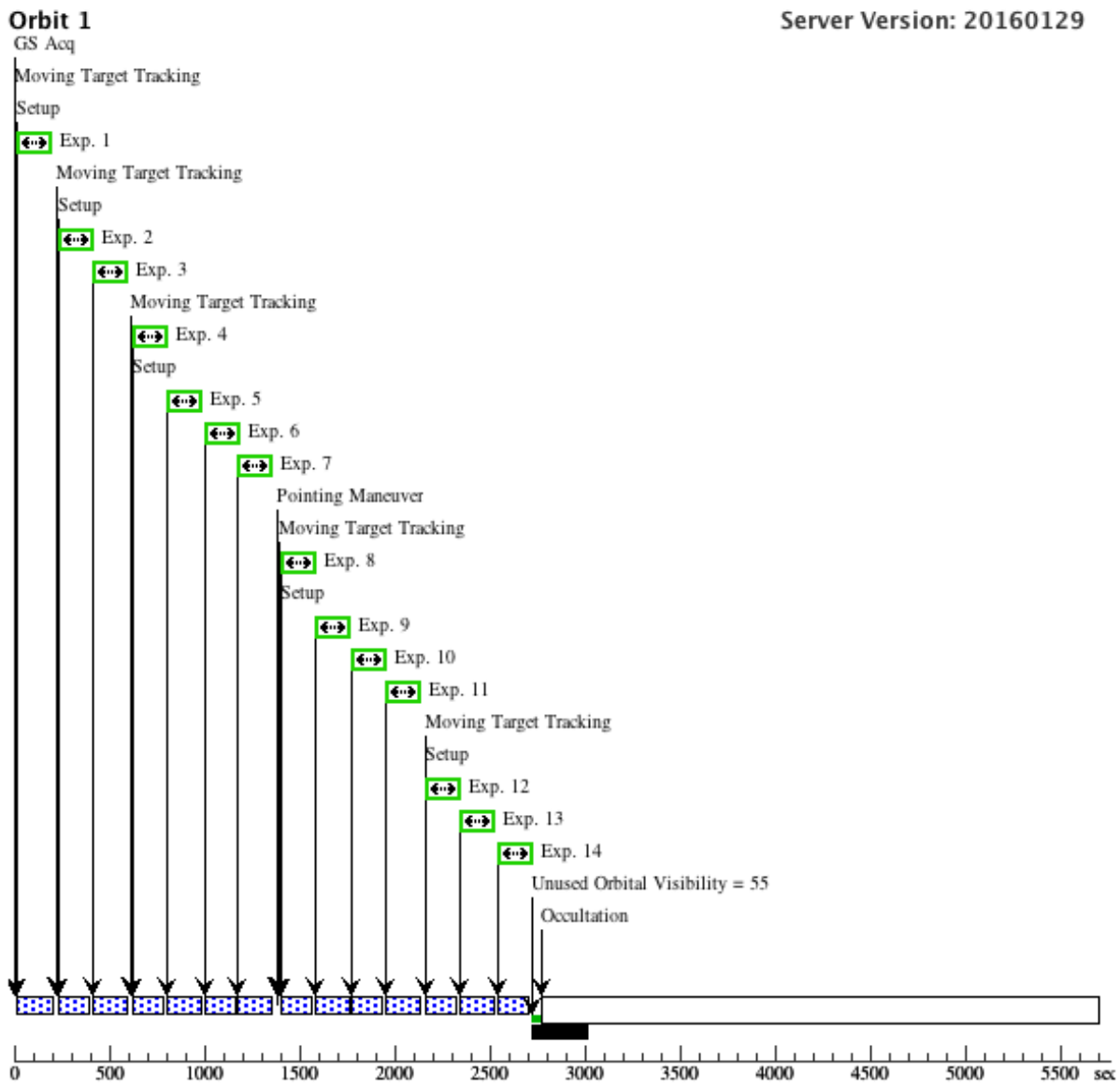
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
2		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
3		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
4		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
5		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
6		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
7		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
8		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
9		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
10		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
11		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
12		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5; NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
13		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***
14		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B4	80 Secs (80 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit 35, implementation Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: S/C

Special Requirements: NOTRACK

Solar System Targets

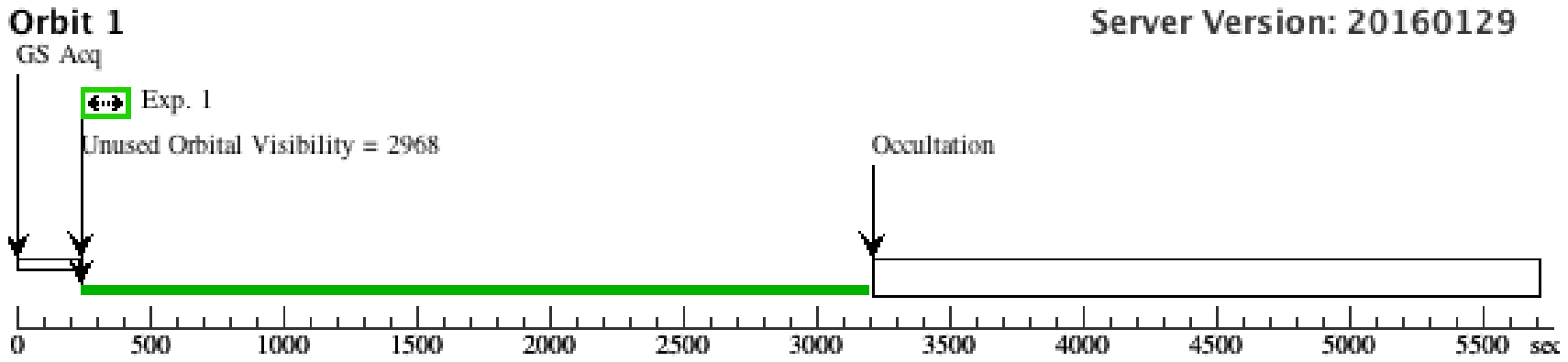
#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	S/C, POINTING, V1			POS TARG -1.2858, -93.3875; GS ACQ SCENARIO SINGLE		1 Secs (1 Secs) *[==>]*	***[1]***

Orbit Structure



Visit

Proposal 14103, Visit B5, implementation Fri Mar 25 01:09:31 GMT 2016

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: PCS MODE GYRO; AFTER B4 BY 0.9 Orbits TO 3.1 Orbits; SEQ 35,B5 WITHIN 1.25 H; VISIBILITY INTERVAL 2775 S

Solar System Targets

#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
(3)	252P-3	TYPE=COMET,Q=.9960732769164016,E=.6732471866725276,I=10.4231276784792,O=190.9518365916364,W=343.3149658302913,T=15-MAR-2016:06:30:20,TTimeScale=TDB,EQUINOX=J2000,EPOCH=04-APR-2016:12:00:00,EpochTimeScale=TDB				EARTH

Comments: Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
2		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
3		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
4		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
5		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
6		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
7		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9		Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
8		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
9		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
10		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
11		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
12		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F555W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5; NEW ALIGNMENT	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
13		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***
14		(3) 252P-3	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F625W	CR-SPLIT=NO; FLASH=9	POS TARG -0.5,-0.5	Sequence 1-14 Non-Int in Visit B5	80 Secs (80 Secs)	
								[==>]	***[1]***

Orbit Structure