



11566 - Imaging Saturn's Equinoctial Auroras

Cycle: 17, Proposal Category: GO

(Availability Mode: SUPPORTED)

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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>
A1	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:13.0	yes
A2	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:15.0	yes
A3	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:17.0	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>
A4	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:19.0	yes
A5	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:20.0	yes
A6	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:22.0	yes
B1	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:23.0	yes
B2	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:25.0	yes
B3	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:26.0	yes
B4	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:28.0	yes
B5	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:30.0	yes
B6	(1) SATURN	ACS/SBC	1	03-Feb-2016 21:05:32.0	yes

12 Total Orbits Used

ABSTRACT

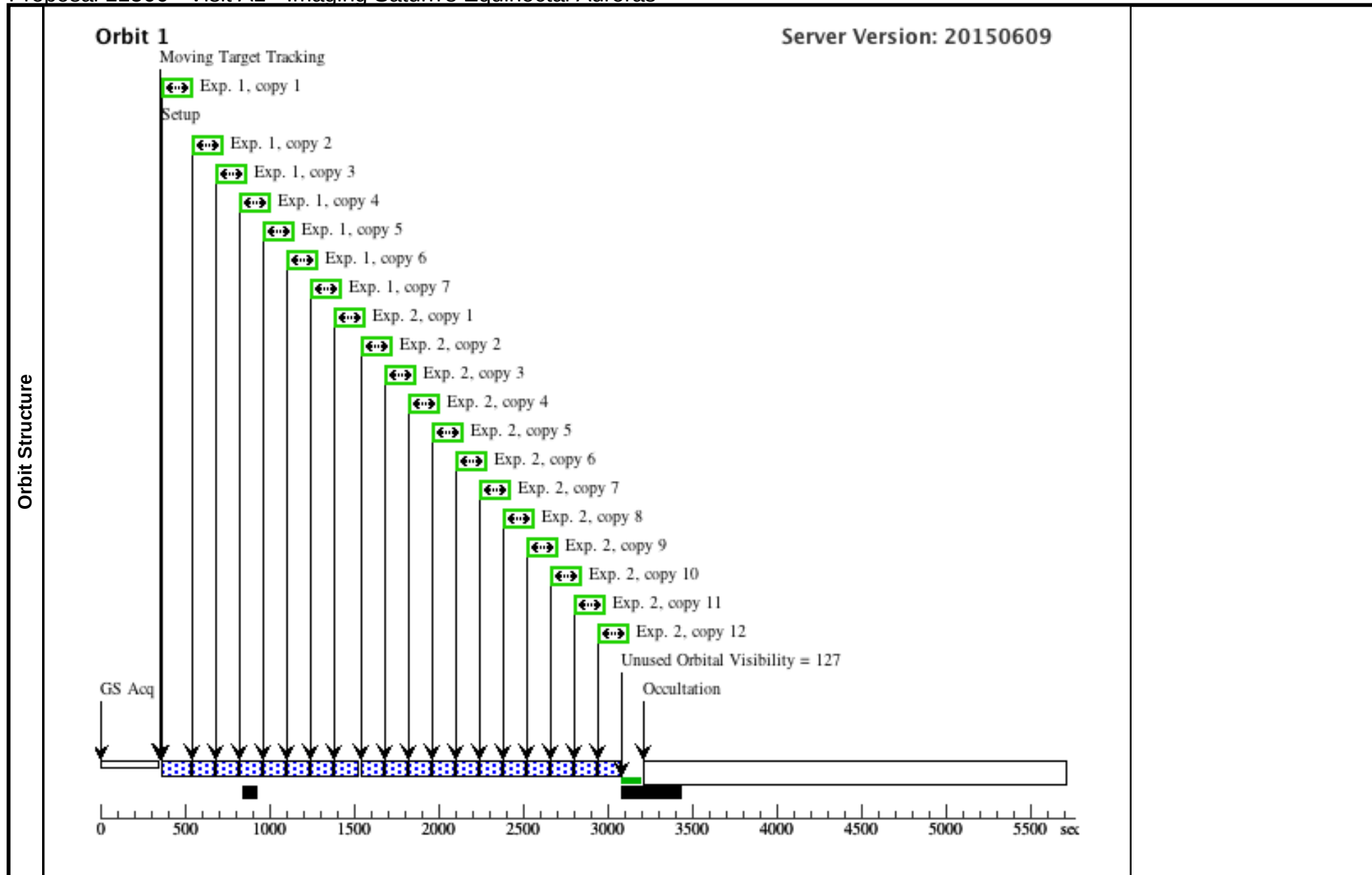
Auroral emissions provide an indispensable diagnostic tool for the energetic processes occurring in planetary magnetospheres. In 2009 Saturn will reach equinox for the first time since the advent of high-sensitivity planetary ultraviolet (UV) auroral imaging, offering a unique, transient opportunity to observe both polar auroral regions simultaneously. The observations proposed here will not only provide the best images to date of Saturn's northern auroras, they will address three fundamental issues: (1) Are Saturn's auroras similar in the north and south? This will reveal the nature of the processes that cause the northern auroras, and verify the multipole nature of Saturn's internal magnetic field. (2) Is the location of the northern auroral emission symmetric with to the south? This will indicate why the southern auroral oval is displaced a few degrees toward midnight from the spin pole. It will also reveal whether the oscillation observed in the location of the southern auroral oval is similarly observed in the north, illuminating the nature of near-planetary period oscillations observed throughout the magnetosphere and potentially providing a value for the elusive rotation period of the deep interior. (3) What is the influence of equinox on the magnetosphere? The unique orientation of the planetary spin axis at equinox will reveal whether the auroras are influenced by the direction of the interplanetary magnetic field, and whether the Sun's effect on Saturn's magnetosphere changes throughout the planet's seasons. The Hubble Space Telescope is the only instrument capable of providing global instantaneous coverage of Saturn's UV auroras, and since Saturn's orbital period is ~30 years, Cycle 17 is the only opportunity to make these observations.

OBSERVING DESCRIPTION

These observations can be obtained with either the Solar Blind Channel (SBC) of the ACS or STIS/FUV-MAMA, such that if one is not functioning the other may be used. The fields of view of both ACS/SBC (35[*] by 31[*]) and STIS/FUV-MAMA (25[*] by 25[*]) are large enough to encompass the whole disc of the planet plus a significant portion of the rings. In practice we prefer to use the ACS, since the sensitivity using the F125LP filter is ~ 0.0015 counts/pixel/s for 1 kiloRayleigh of H₂ plus Lyman-alpha emission, versus ~ 0.0005 counts/pixel/s for STIS using the equivalent F25-SrF2 filter. We will use the F125LP filter in order to observe the UV auroral emission whilst reducing Ly-alpha background contamination from the geocorona. For a similar reason the observations are to be obtained whilst HST is in shadow. Higher count rates are desirable since planetary rotation introduces $\sim 1D/100$ s of blurring of features near the central meridian longitude. Previously measured count rates are $\sim 25,000$ counts/s, well below the limit of 200,000 counts/s. We will obtain 100 s exposures, a length experience shows is sufficient to obtain a good signal-to-noise ratio. We request 12 orbits, consisting of two groups spaced ~ 14 days apart in order to observe during periods of opposite IMF polarity (the solar rotation period is ~ 27 days). Each group consists of six orbits spaced over ~ 24 h. This cadence is requested in order to appropriately sample the ~ 10.7 h rotation of the auroral ovals within the time constraints of the orbit of HST.

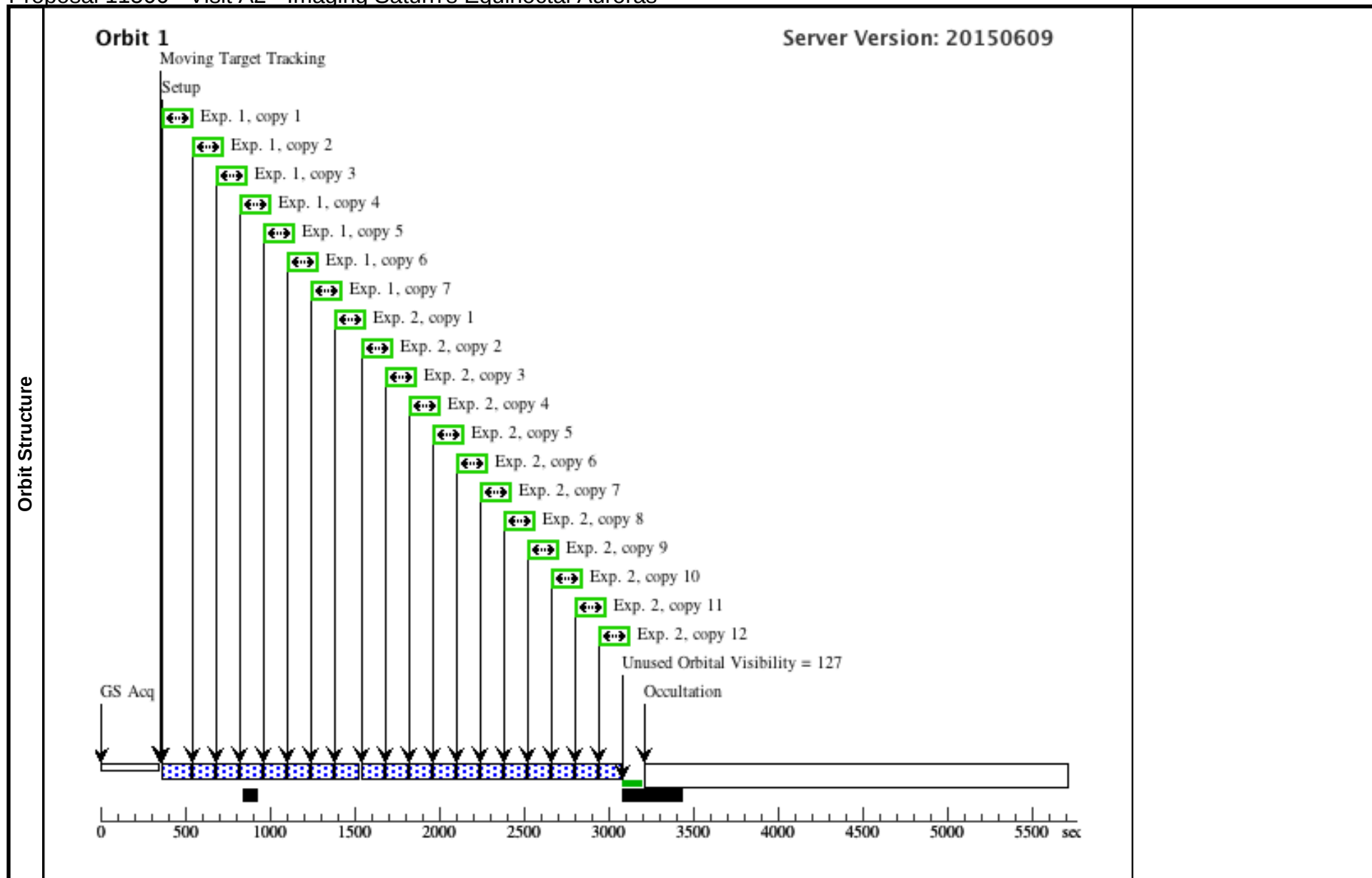
Proposal 11566 - Visit A1 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit A1, completed Thu Feb 04 02:05:33 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS/VIMS auroral observation between 0728 UT and 1415 UT on DoY 23 (= 0840 - 1527 UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit A1) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	SATURN	STD=SATURN				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP		GS ACQ SCENARI O BASE1TN3		100 Secs X 7 (700 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[1]



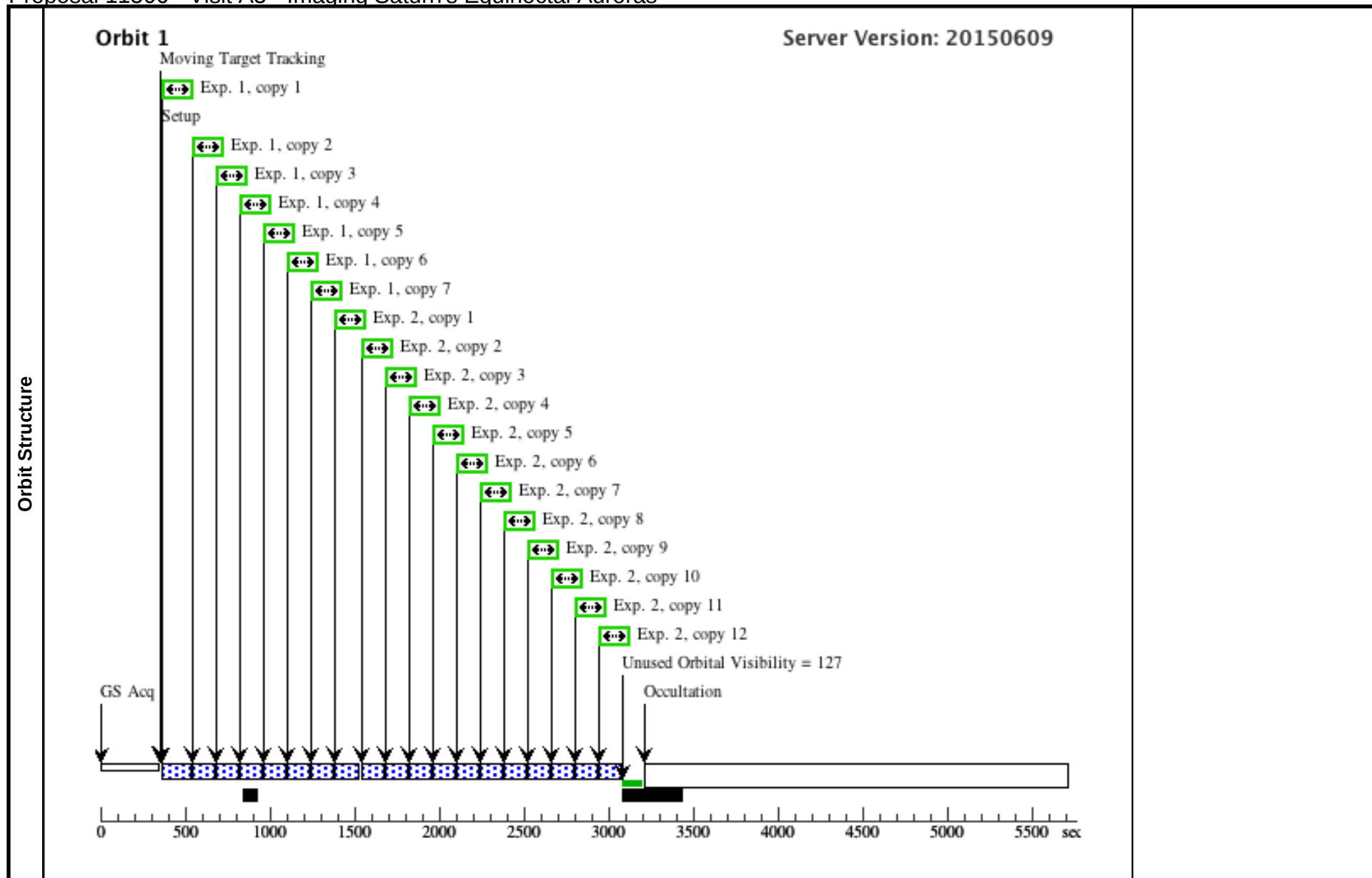
Proposal 11566 - Visit A2 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit A2, completed Thu Feb 04 02:05:33 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS/VIMS auroral observation between 0728 UT and 1415 UT on DoY 23 (= 0840 - 1527 UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i> <i>(visit moved to day 27 to avoid conflicts)</i>									
Diagnostics	(Visit A2) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	SATURN	STD=SATURN				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP		GS ACQ SCENARI O BASE1TN3		100 Secs X 7 (700 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[1]



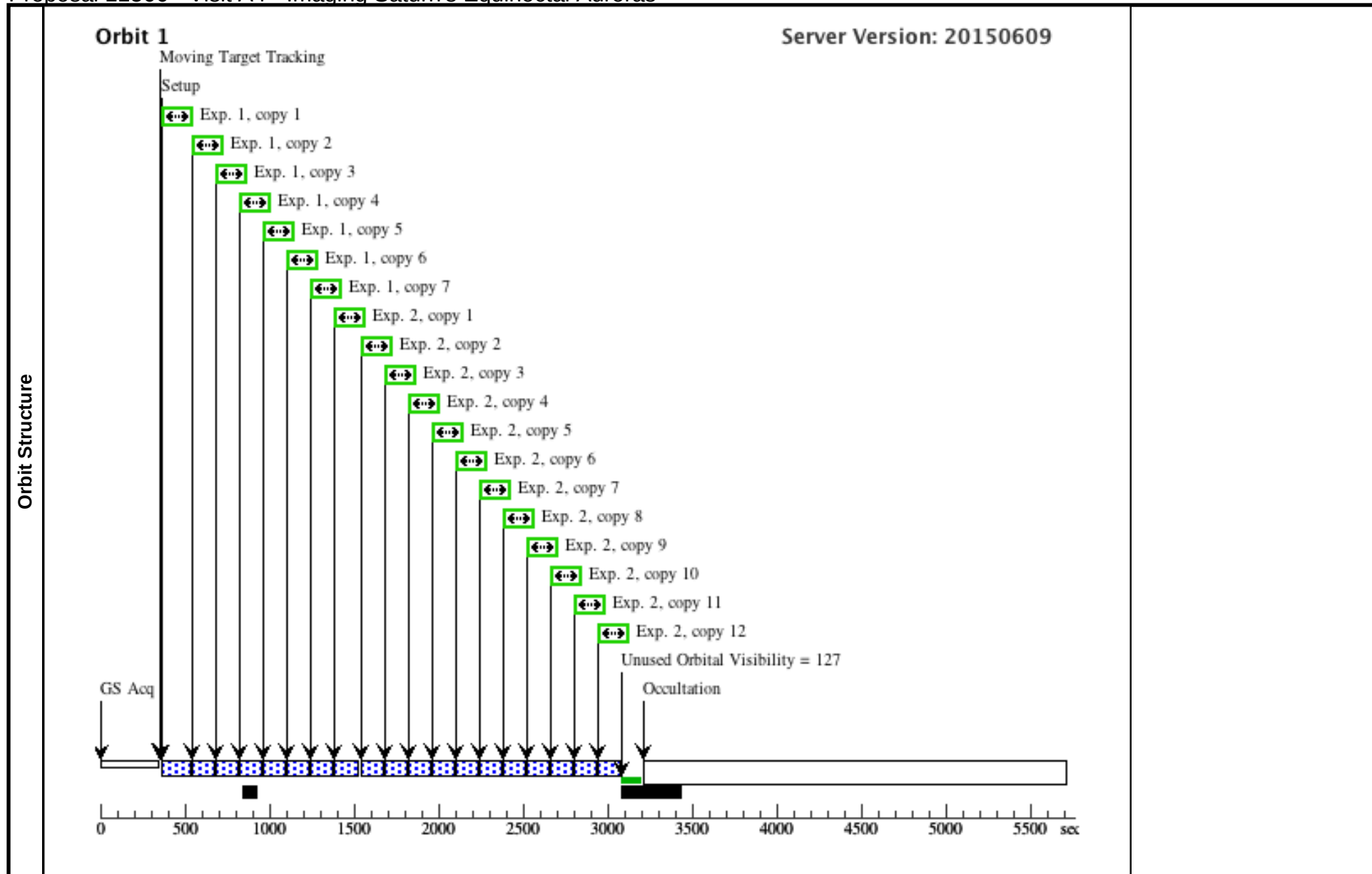
Proposal 11566 - Visit A3 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit A3, completed Thu Feb 04 02:05:34 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 24-JAN-2009:00:00:00 AND 25-JAN-2009:00:00:00 <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS auroral observation between 0728 UT and 2108 UT on DoY 24 (= 0840 - 2220 UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit A3) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP		GS ACQ SCENARI O BASE1TN3		100 Secs X 7 (700 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[1]



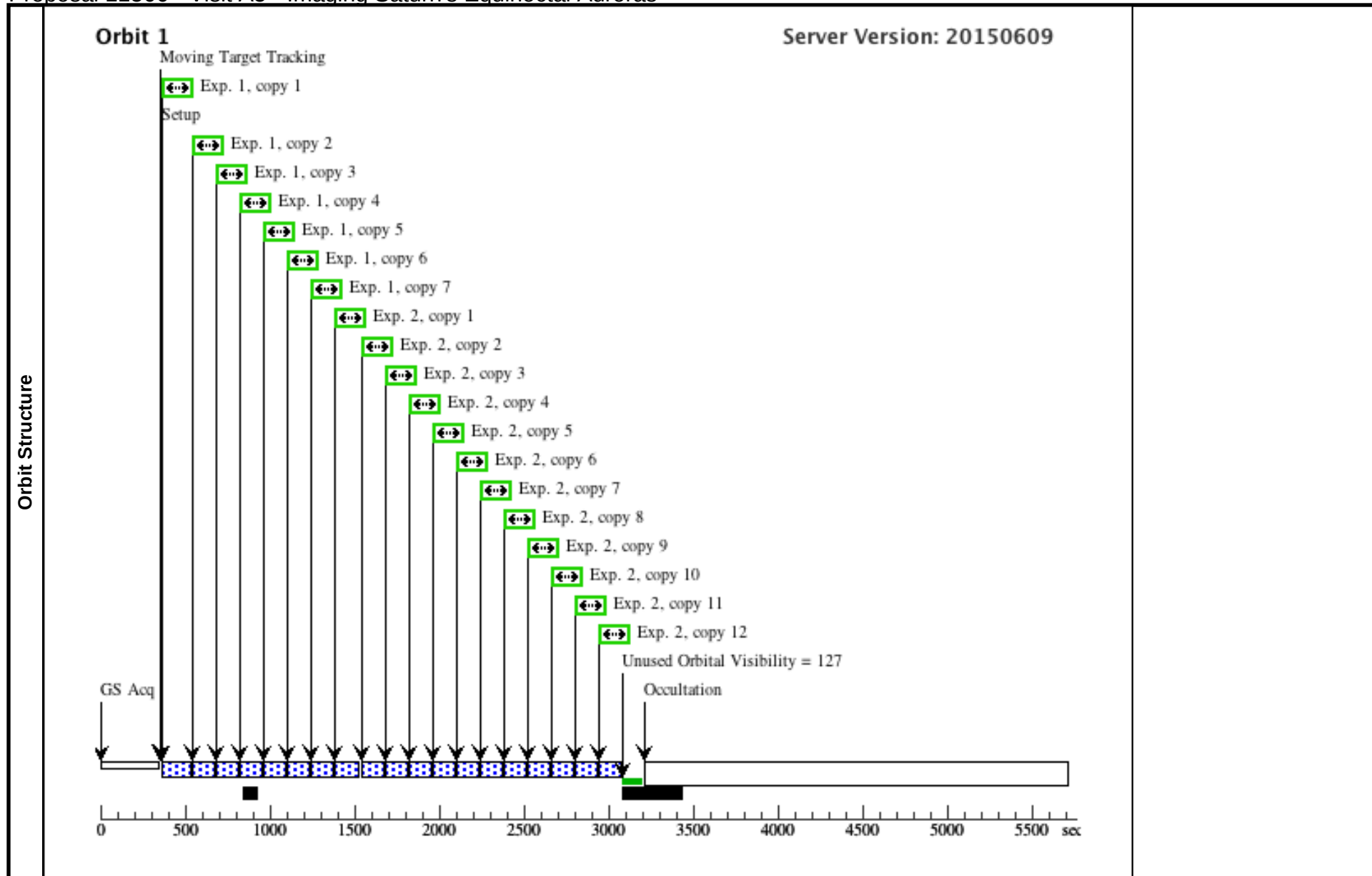
Proposal 11566 - Visit A4 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit A4, completed Thu Feb 04 02:05:34 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 24-JAN-2009:00:00:00 AND 25-JAN-2009:00:00:00 <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS auroral observation between 0728 UT and 21:08 UT on DoY 24 (= 0840 - 2220 UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit A4) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP		GS ACQ SCENARI O BASE1TN3		100 Secs X 7 (700 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[1]



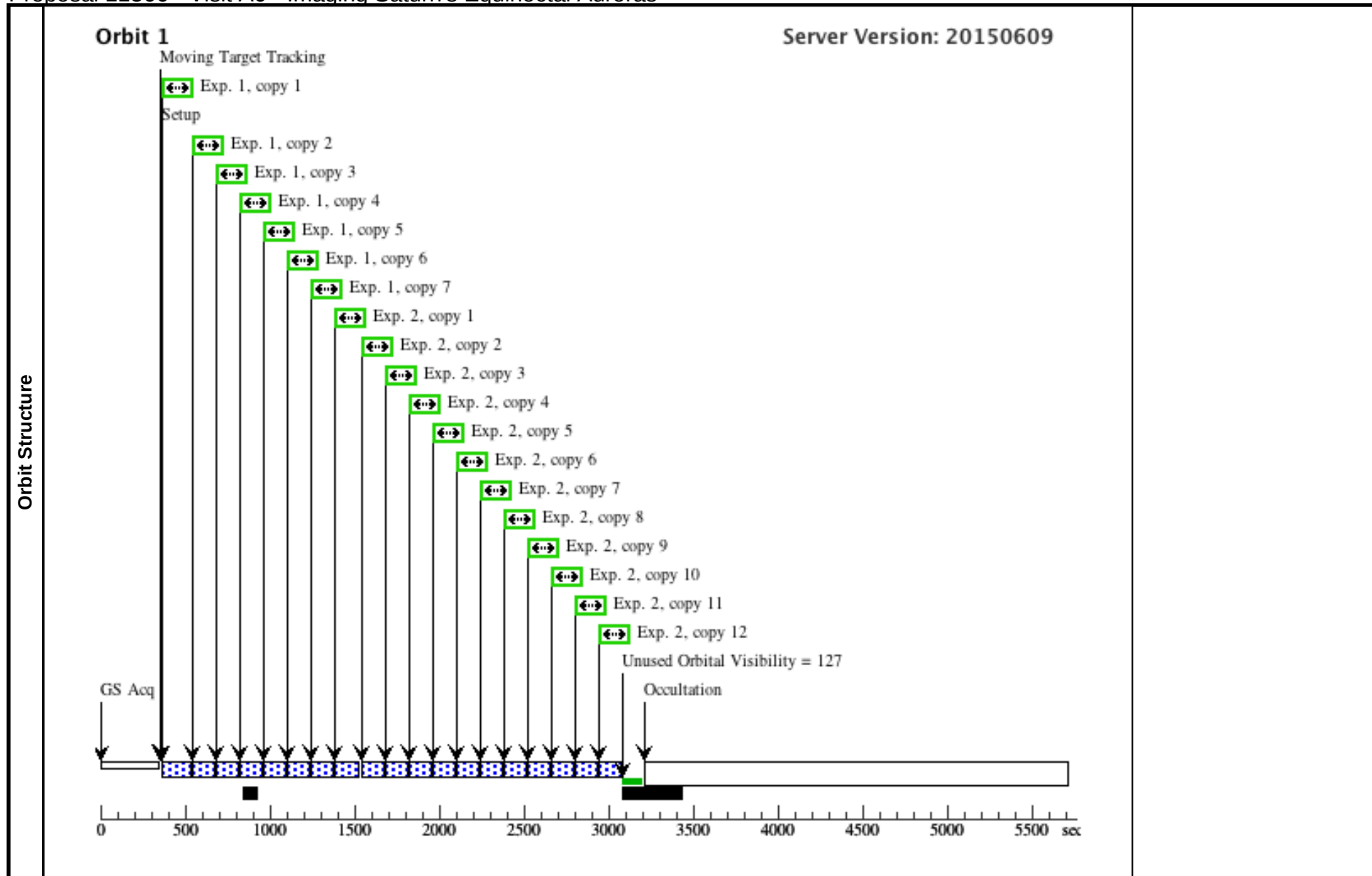
Proposal 11566 - Visit A5 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit A5, completed Thu Feb 04 02:05:34 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 27-JAN-2009:15:30:00 AND 28-JAN-2009:01:00:00 <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS auroral observation between 0843 UT and 2053 UT on DoY 25 (= 0945 - 0005 (DoY 26) UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit A5) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP		GS ACQ SCENARI O BASE1TN3		100 Secs X 7 (700 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[1]



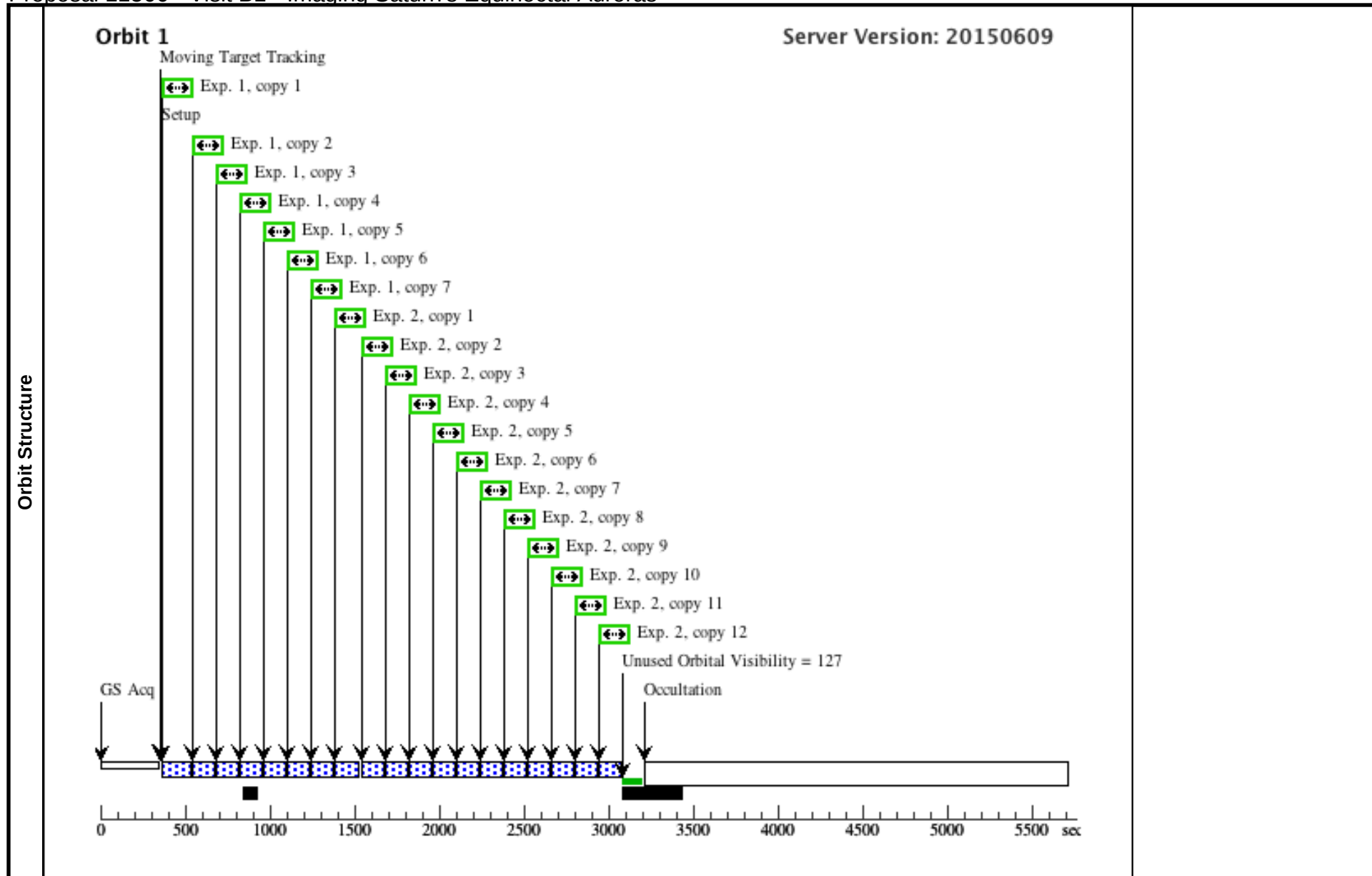
Proposal 11566 - Visit A6 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit A6, completed Thu Feb 04 02:05:34 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 27-JAN-2009:15:30:00 AND 28-JAN-2009:01:00:00 <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS auroral observation between 0843 UT and 2053 UT on DoY 25 (= 0945 - 0005 (DoY 26) UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit A6) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP		GS ACQ SCENARI O BASE1TN3		100 Secs X 7 (700 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[1]



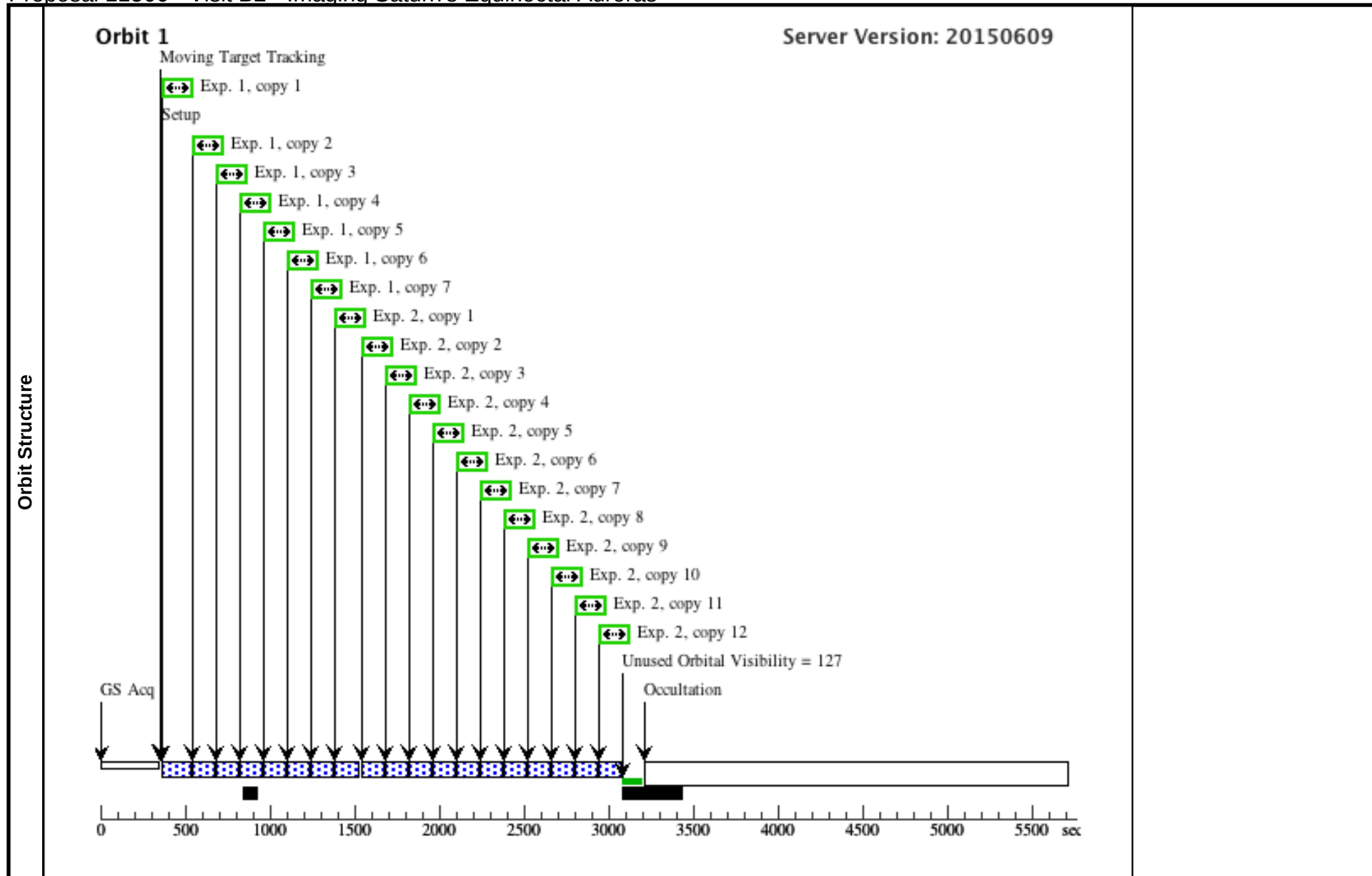
Proposal 11566 - Visit B1 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit B1, completed Thu Feb 04 02:05:34 GMT 2016					
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 07-FEB-2009:00:00:00 AND 08-FEB-2009:00:00:00					
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Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.
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Exposures						Exp. Time (Total)/[Actual Dur.]
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Exposures						[==>(Copy 3)]
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Exposures						[==>(Copy 5)]
						[==>(Copy 6)]
Exposures						[==>(Copy 7)]
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Exposures	2	(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP		
						100 Secs X 12 (1200 Secs)
Exposures						[==>(Copy 1)]
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Exposures						[==>(Copy 3)]
						[==>(Copy 4)]
Exposures						[==>(Copy 5)]
						[==>(Copy 6)]
Exposures						[==>(Copy 7)]
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Exposures						[==>(Copy 11)]
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Exposures						[1]



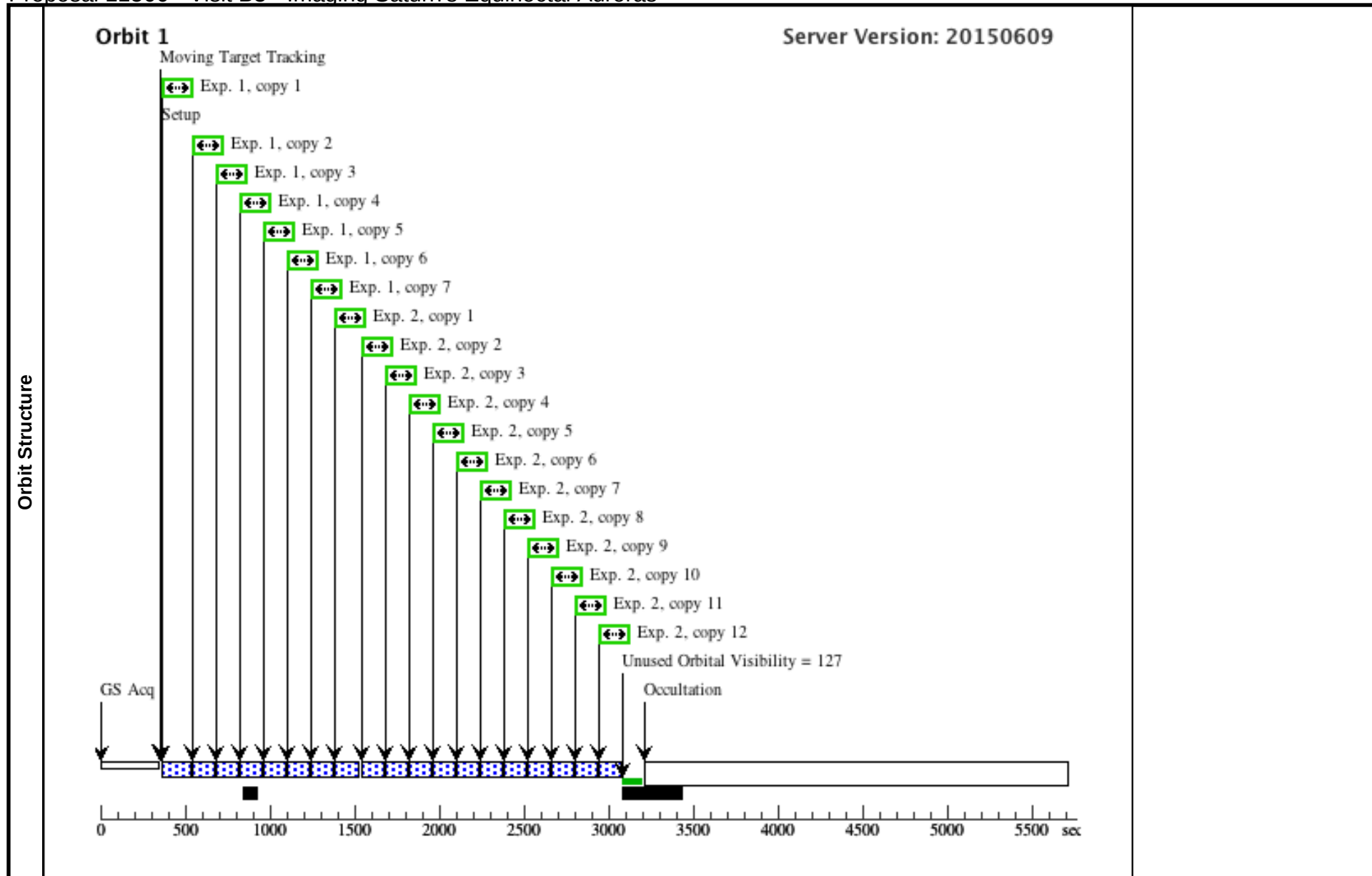
Proposal 11566 - Visit B2 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit B2, completed										Thu Feb 04 02:05:34 GMT 2016
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	Scientific Instruments: ACS/SBC										
	Special Requirements: GYRO MODE 2G; BETWEEN 07-FEB-2009:00:00:00 AND 08-FEB-2009:00:00:00										
Diagnosics	(Visit B2) Warning (Form): Gyro Mode overrides default value of 3GOBAD.										
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP				100 Secs X 7 (700 Secs)		
									[==>(Copy 1)]	[1]	
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									[==>(Copy 7)]		
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs)		
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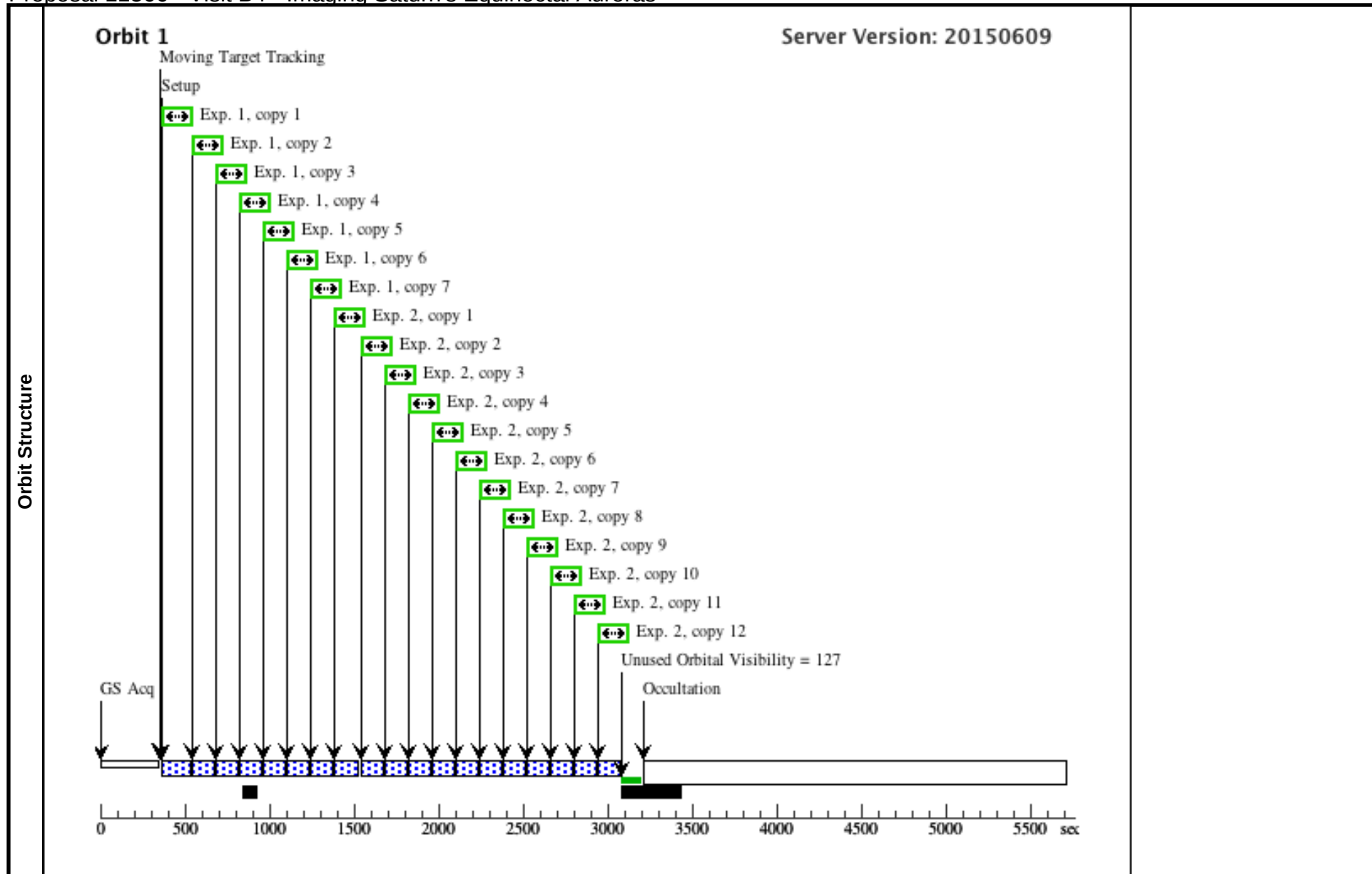
Proposal 11566 - Visit B3 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit B3, completed Thu Feb 04 02:05:34 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 08-FEB-2009:00:00:00 AND 09-FEB-2009:00:00:00 <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS auroral observation between 1659 UT on DoY 39 and 0324 UT on DoY 40 (= 1811 (DoY 39) - 0436 (DoY 40) UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit B3) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP				100 Secs X 7 (700 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)] [=>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)] [=>(Copy 7)] [=>(Copy 8)] [=>(Copy 9)] [=>(Copy 10)] [=>(Copy 11)] [=>(Copy 12)]	[1]



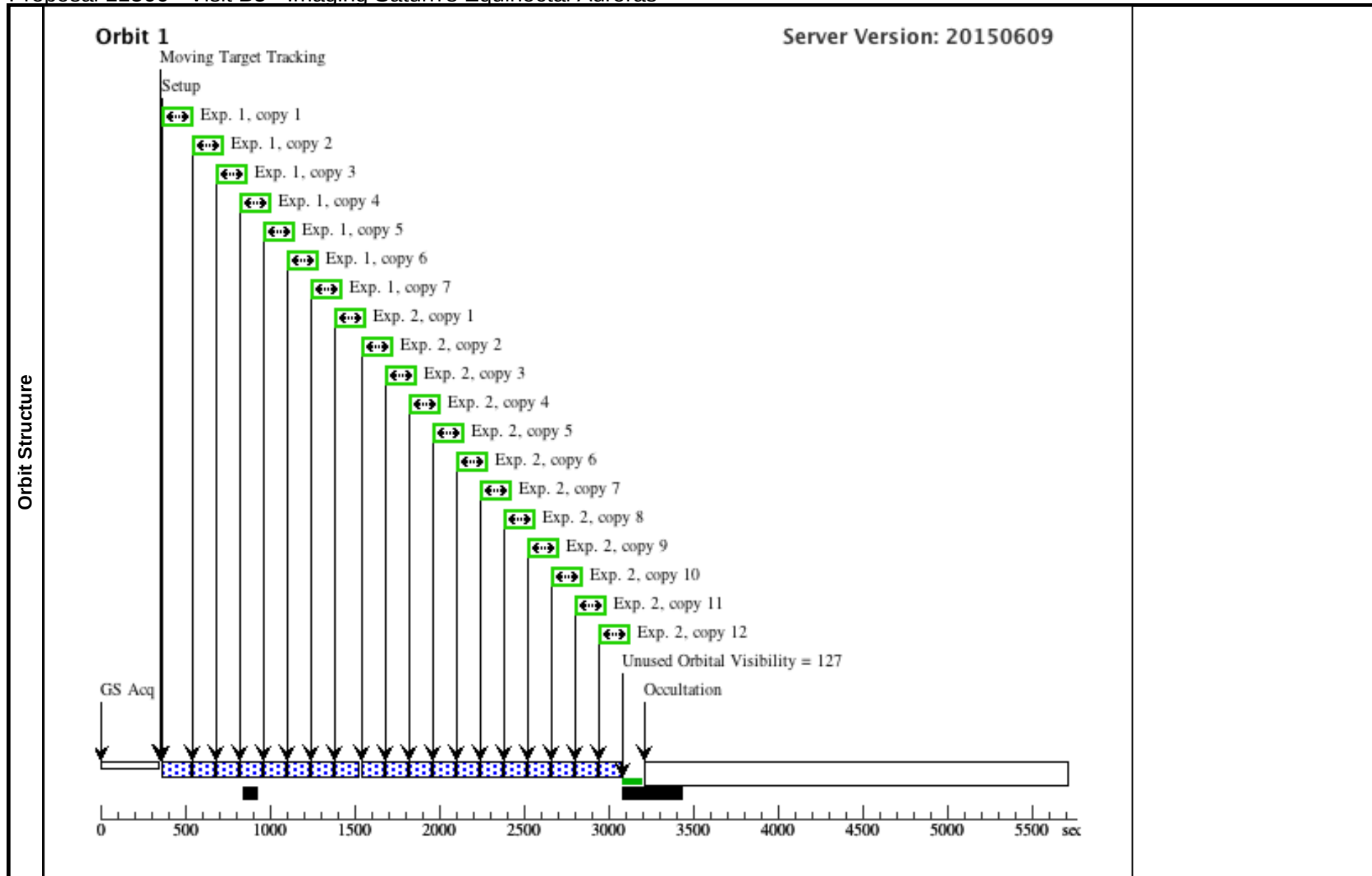
Proposal 11566 - Visit B4 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit B4, completed Thu Feb 04 02:05:34 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 08-FEB-2009:00:00:00 AND 09-FEB-2009:00:00:00 <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS auroral observation between 1659 UT on DoY 39 and 0324 UT on DoY 40 (= 1811 (DoY 39) - 0436 (DoY 40) UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit B4) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	SATURN	STD=SATURN				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP				100 Secs X 7 (700 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)] [=>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)] [=>(Copy 7)] [=>(Copy 8)] [=>(Copy 9)] [=>(Copy 10)] [=>(Copy 11)] [=>(Copy 12)]	[1]



Proposal 11566 - Visit B5 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit B5, completed Thu Feb 04 02:05:34 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 09-FEB-2009:00:00:00 AND 10-FEB-2009:00:00:00 <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS auroral observation between 1659 UT on DoY 39 and 0324 UT on DoY 40 (= 1811 (DoY 39) - 0436 (DoY 40) UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit B5) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	SATURN	STD=SATURN				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP				100 Secs X 7 (700 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[1]



Proposal 11566 - Visit B6 - Imaging Saturn's Equinoctal Auroras

Visit	Proposal 11566, Visit B6, completed Thu Feb 04 02:05:34 GMT 2016									
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: GYRO MODE 2G; BETWEEN 09-FEB-2009:00:00:00 AND 10-FEB-2009:00:00:00 <i>Comments: This Visit is scheduled to coincide with the Cassini UVIS auroral observation between 1659 UT on DoY 39 and 0324 UT on DoY 40 (= 1811 (DoY 39) - 0436 (DoY 40) UT @ Earth). Note, we've scheduled the visit for the full day, but based on past experience once we know the orbit of HST closer to the time we should be able to constrain the time better.</i>									
Diagnostics	(Visit B6) Warning (Form): Gyro Mode overrides default value of 3GOBAD.									
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	SATURN	STD=SATURN				EARTH			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F115LP				100 Secs X 7 (700 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)]	[1]
	2		(1) SATURN	ACS/SBC, ACCUM, SBC-FIX	F125LP				100 Secs X 12 (1200 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[1]

