



14261 - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Support of the Rosetta Mission

Cycle: 23, Proposal Category: GO

(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) COMET-67P-CHURYUMOV-GERASIMENKO	ACS/WFC	1	26-Feb-2016 21:00:46.0	yes
02	(1) COMET-67P-CHURYUMOV-GERASIMENKO	ACS/WFC	1	26-Feb-2016 21:00:47.0	yes
03	(1) COMET-67P-CHURYUMOV-GERASIMENKO	ACS/WFC	1	26-Feb-2016 21:00:48.0	yes
A1	BIAS	ACS/WFC	1	26-Feb-2016 21:00:49.0	yes
A2	BIAS	ACS/WFC	1	26-Feb-2016 21:00:49.0	yes
A3	BIAS	ACS/WFC	1	26-Feb-2016 21:00:50.0	yes
A4	BIAS	ACS/WFC	1	26-Feb-2016 21:00:51.0	yes
04	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	1	26-Feb-2016 21:00:52.0	yes
05	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	1	26-Feb-2016 21:00:53.0	yes
06	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	1	26-Feb-2016 21:00:54.0	yes
10	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	3	26-Feb-2016 21:00:55.0	yes
1A	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	1	26-Feb-2016 21:00:56.0	yes
C5	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	1	26-Feb-2016 21:00:57.0	yes
11	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	4	26-Feb-2016 21:00:58.0	yes
20	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	4	26-Feb-2016 21:01:00.0	yes
12	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC	4	26-Feb-2016 21:01:02.0	yes
C1	BIAS	ACS/WFC	1	26-Feb-2016 21:01:03.0	yes
C2	BIAS	ACS/WFC	1	26-Feb-2016 21:01:04.0	yes
C3	BIAS	ACS/WFC	1	26-Feb-2016 21:01:05.0	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>
C4	BIAS	ACS/WFC	1	26-Feb-2016 21:01:05.0	yes
B1	BIAS	ACS/WFC	1	26-Feb-2016 21:01:06.0	yes
B2	BIAS	ACS/WFC	1	26-Feb-2016 21:01:06.0	yes
B3	BIAS	ACS/WFC	1	26-Feb-2016 21:01:07.0	yes
B4	BIAS	ACS/WFC	1	26-Feb-2016 21:01:08.0	yes

35 Total Orbits Used

ABSTRACT

We propose ACS/WFC imaging polarimetry of Comet 67P/Churyumov-Gerasimenko (hereafter 67P), in conjunction with the Rosetta mission, to place stringent constraints on dust particles in the coma. We will observe two epochs: 1) 2015-Oct, about two months after perihelion, when the comet is first accessible to HST and is expected to exhibit maximum activity; 2) 2016-Feb, the last opportunity during the present apparition to obtain polarimetry at the phase angle for which the polarization signature provides the most leverage on the dust composition. These new observations will be compared with our two previous (Cycle 22) epochs of pre-perihelion observations obtained just as Rosetta began its orbital phase and just after Philae had landed. This enables us to assess any changes in the dust properties caused by insolation during perihelion passage. The combined in-situ and remote pre- and post-perihelion observations will also help "calibrate" our interpretation of such observations, which will in turn inform our interpretation of future polarimetry observations of comets that cannot be visited by spacecraft. During the proposed observing epochs, 67P may only subtend 20 arcsec, so ground-based observations only provide about 5 "polarimetric resolution elements" across the coma. The HST/ACS provides around 40x better high spatial resolution. Laser AO systems provide higher spatial resolution, but do not have visible wavelength polarimetry modes, nor provide the very high precision and accuracy in the fractional polarization demonstrated with HST/ACS. HST is the only asset capable of achieving our objectives.

OBSERVING DESCRIPTION

We will observe comet 67P at two epochs (2015-Oct-10 & 2016-Feb-19) where the phase angles are 33 & 12 degrees. The latter is near the maximum of the negative-polarization branch, which provides the most sensitive diagnostic leverage for the characterizing dust particle properties. The two epochs are matched to the first time after perihelion that the comet is observable, and when the comet is viewed at the most diagnostic phase angle of this apparition. We note that the second observation is after the nominal end of the Rosetta mission (2015-Dec), but there is a strong

likelihood that there will be a 6-month extended mission until 2016-Jun.

We use POLV polarizers. This will enable us to construct a broadband polarization image of the coma with a high S/N ~ 270 , and enables direct comparison with our two previous epochs. For ACS, all wavelengths $< 0.6 \mu\text{m}$ are potentially contaminated by molecular line emission, and strong CN bands exist at $0.92 \mu\text{m}$. Molecular emission will be essentially unpolarized, which artificially reduces the measured degree of polarization. While narrowband filters are ideal, their use is prohibitively expensive to obtain sufficient S/N for the comet at its distance and angular size during the available observing dates. We therefore choose the F606W filter. We acknowledge that our results may suffer contamination from the molecular species CN, C2, and C3 that will dilute the polarization signal. However, we expect that there will be near-contemporaneous ground-based spectroscopic monitoring (e.g., as coordinated by Co-I, Snodgrass), which will provide accurate equivalent-width measurements of the contaminating emission that will then be used to correct the polarimetry. In addition, while the F775W would be less contaminated, the calibration of the filter is currently less accurate, and the exposure times would need to be about 40% longer to achieve similar S/N in the polarimetry.

The efficacy of ACS/WFC imaging polarimetry for extended sources has been demonstrated in general (e.g., Sparks et al. 2008), and in particular for comets with low, but significant polarization (Hines et al. 2014). The calibration observations of the F606W + visible polarizer combinations were obtained during the Cycle 12 ACS polarimetric calibration campaign (CAL 10055), and Hines has used these to recalibrate the system, showing that precise ($\sigma_p = 0.3\%$) polarization measurements with an absolute accuracy of $p \sim 0.3\%$, can be achieved with the system. He is currently working on a new calibration program designed to push this calibration to $\sim 0.1\%$ (CAL 13964).

We expect the measured polarization of 67P to range from $\sim 2\text{-}6\%$. Since polarization follows a Rice, not a Gaussian, distribution, we require a $P/\sigma_p > 4$ per resolution element. We therefore need $\sigma_p = 0.3\%$. For three perfect polarizers oriented at 60 degrees relative position angles (as in the ACS), the uncertainty in the degree of polarization P (which ranges from 0 for unpolarized light to 1 for fully polarized light) is approximately the inverse of the signal-to-noise per image. Therefore, in order to achieve $P/\sigma_p > 4$ for $P \sim 2\%$, we require S/N per image > 268 .

Using our successful observations of Comet ISON (Hines et al. 2014), and Comet 67P (Hines & Lvasseur-Regourd 2015) as validation of our S/N calculations, we estimate the total integration time needed to achieve S/N. Using the above V-band surface brightness, we estimate the exposure time for $2.0e\text{-}/\text{DN}$ gain, and a G2V spectrum. To achieve the required S/N, we may have to bin the data by up to 19×19 pixels (we will bin only until we reach the desired S/N). This still yields sub-arcsecond spatial resolution, and cannot be done from the ground. We will use a four-point dither to mitigate cosmic rays and bad pixels, and a post-flash for each exposure to mitigate CTE effects.

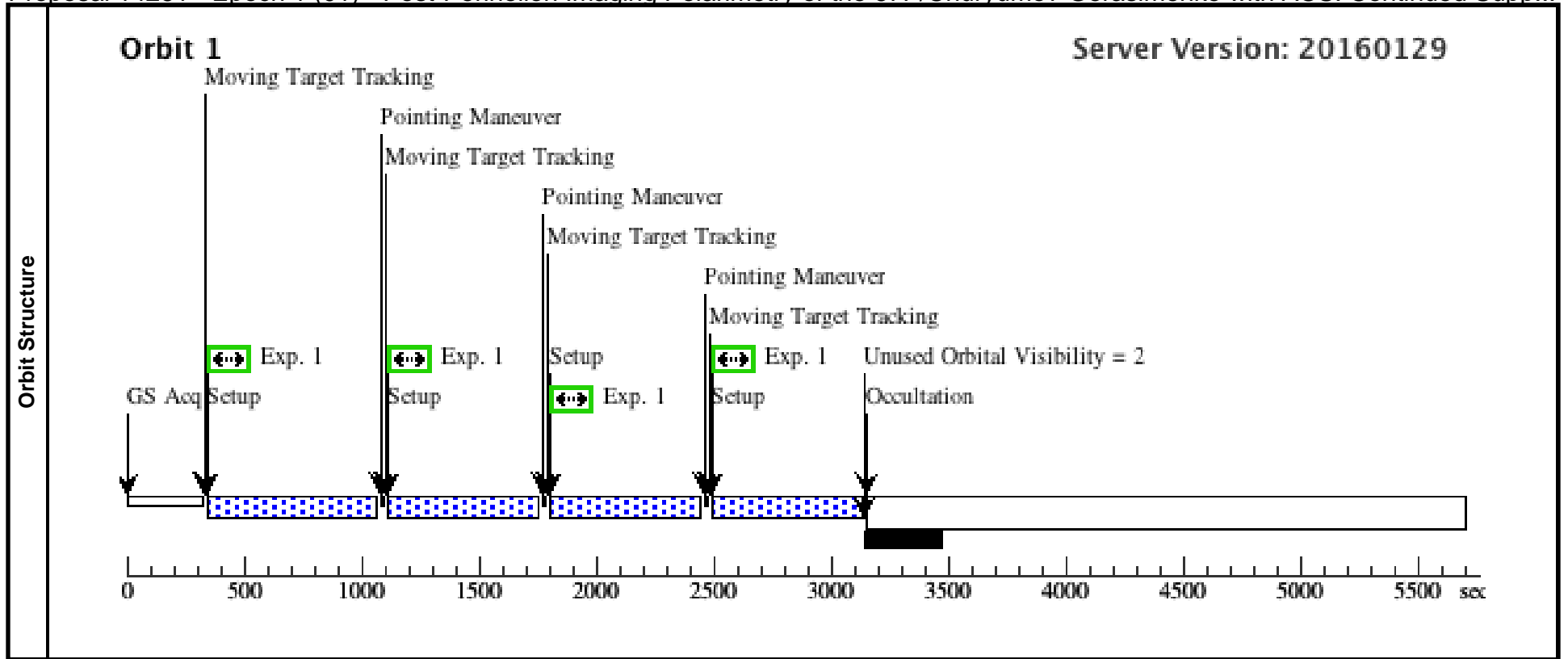
The results of our exposure time estimates are shown in Table 3. The last column shows our expected allocation need including guide star acquisition (8 minutes), and reacquisition (6 minutes), plus instrument overheads. We use four-position dither to mitigate cosmic rays and bad pixels. We request a total of 16 orbits for this program.

CALIBRATION ORBITS: As per STScI policy, 8 internal orbits have been added to this proposal for the purpose of obtaining subarray bias frames that are contemporaneous with the science observations. These internal orbits will be charged to STScI's Cycle 23 ACS Calibration Program, not to GO 14261. The ACS Instrument Team at STScI is responsible for producing superbias reference files from the bias frames obtained in this GO proposal.

Proposal 14261 - Epoch 1 (01) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

Sat Feb 27 02:01:09 GMT 2016

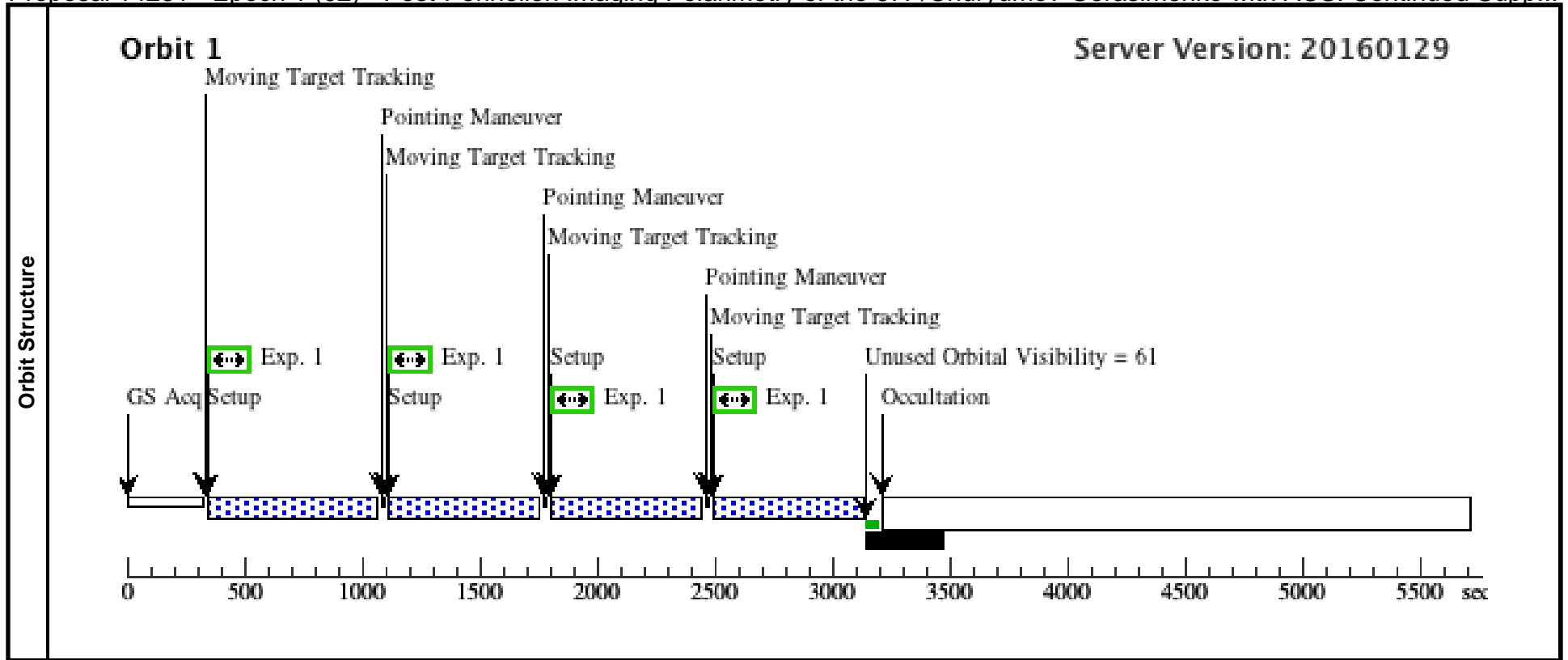
Visit	Proposal 14261, Epoch 1 (01), failed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: BETWEEN 09-OCT-2015:00:00:00 AND 12-OCT-2015:00:00:00; VISIBILITY INTERVAL 52.51 M									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true		(1)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	COMET-67P-CHURYUMOV-GERASIMENKO	TYPE=COMET,Q=1.2432608854607 93,E=0.6408895564455845,I=7.04023 8805457465,O=50.13613368039552, W=12.79538014444266,T=13-AUG-2015:00:01:52,TTIMEscale=TDT,EQUINOX=J2000,EPOCH=22-MAY-2015:00:00:00,EpochTimeScale=TDT,A1=1.080417335033E-9,A2=1.07633722946E-10,A3=1.899718120694E-10				EARTH			
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL0V	(1) COMET-67P-CHURYUMOV-GERASIMENKO	ACS/WFC, ACCUM, WFC	F606W POL0V				Pattern 1, Exps 1-1 in Epoch 1 (01) (1)	467 Secs (1868 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]



Proposal 14261 - Epoch 1 (02) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

Sat Feb 27 02:01:09 GMT 2016

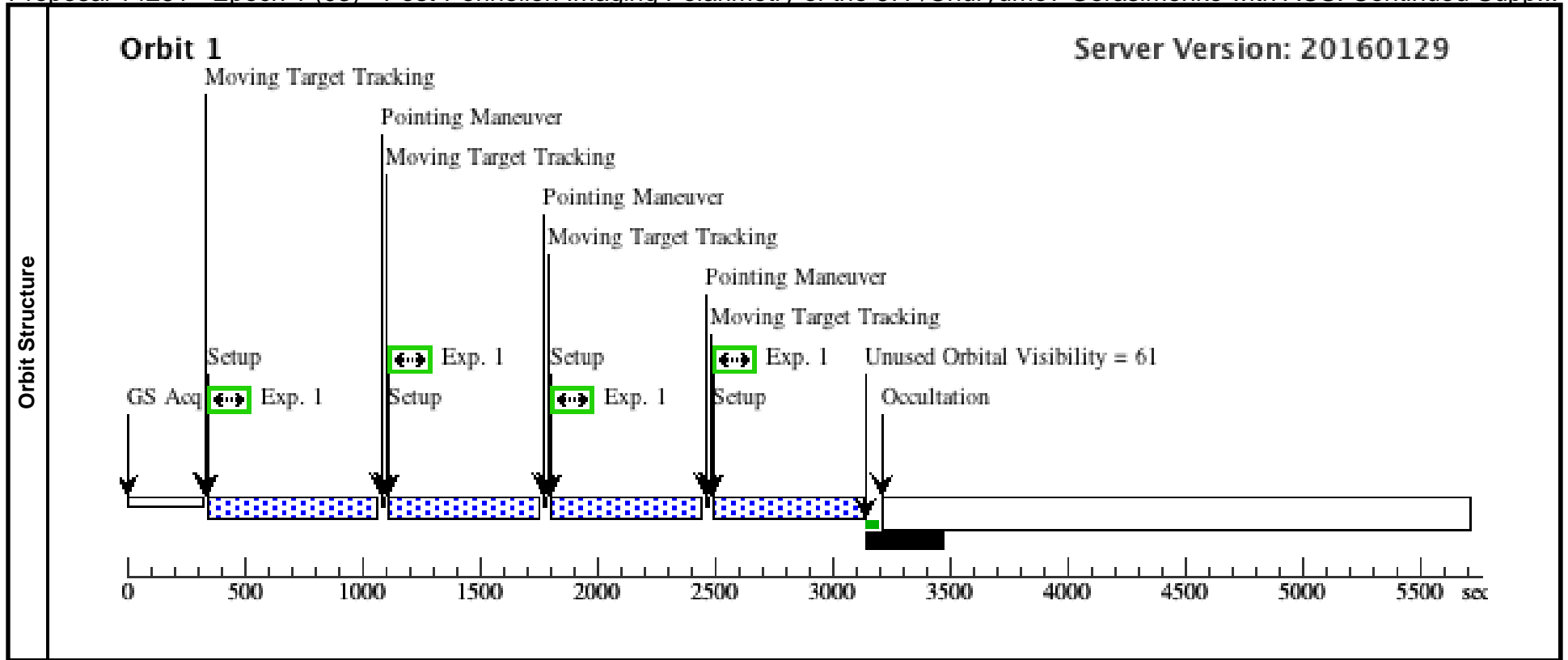
Visit	Proposal 14261, Epoch 1 (02), failed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 01 BY 12.4 H TO 12.9 H; BETWEEN 09-OCT-2015:00:00:00 AND 12-OCT-2015:00:00:00									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true		(1)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	COMET-67P-CHURYUMOV-GERASIMENKO	TYPE=COMET,Q=1.2432608854607 93,E=0.6408895564455845,I=7.04023 8805457465,O=50.13613368039552, W=12.79538014444266,T=13-AUG-2015:00:01:52,TTIMEscale=TDT,EQUINOX=J2000,EPOCH=22-MAY-2015:00:00:00,EpochTimeScale=TDT,A1=1.080417335033E-9,A2=1.07633722946E-10,A3=1.899718120694E-10				EARTH			
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL0V	(1) COMET-67P-CHURYUMOV-GERASIMENKO	ACS/WFC, ACCUM, WFC	F606W POL60V				Pattern 1, Exps 1-1 in Epoch 1 (02) (1)	467 Secs (1868 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]



Proposal 14261 - Epoch 1 (03) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

Sat Feb 27 02:01:09 GMT 2016

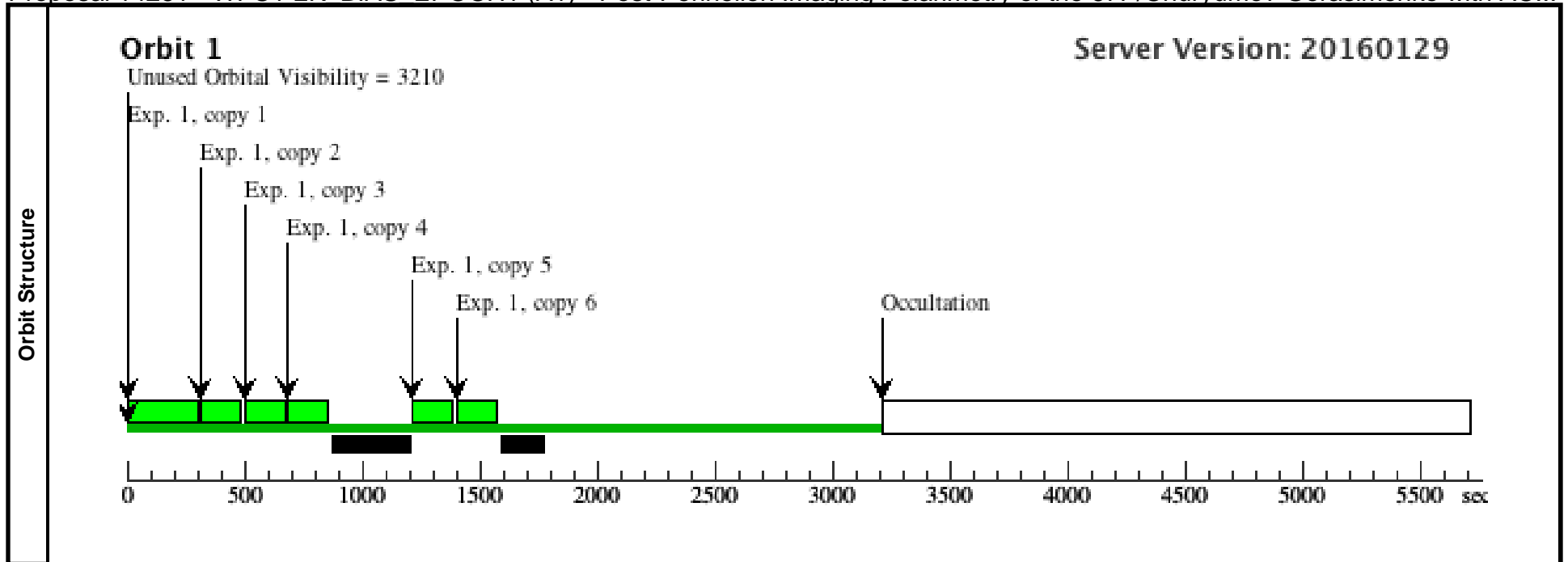
Visit	Proposal 14261, Epoch 1 (03), failed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 01 BY 25.2 H TO 25.6 H; BETWEEN 09-OCT-2015:00:00:00 AND 12-OCT-2015:00:00:00									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true		(1)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(1)	COMET-67P-CHURYUMOV-GERASIMENKO	TYPE=COMET,Q=1.2432608854607 93,E=0.6408895564455845,I=7.04023 8805457465,O=50.13613368039552, W=12.79538014444266,T=13-AUG-2015:00:01:52,TTIMEscale=TDT,EQUINOX=J2000,EPOCH=22-MAY-2015:00:00:00,EpochTimeScale=TDT,A1=1.080417335033E-9,A2=1.07633722946E-10,A3=1.899718120694E-10				EARTH			
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL0V	(1) COMET-67P-CHURYUMOV-GERASIMENKO	ACS/WFC, ACCUM, WFC	F606W POL120V				Pattern 1, Exps 1-1 in Epoch 1 (03) (1)	467 Secs (1868 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]



Proposal 14261 - WFC1-2K BIAS EPOCH1 (A1) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

Sat Feb 27 02:01:09 GMT 2016

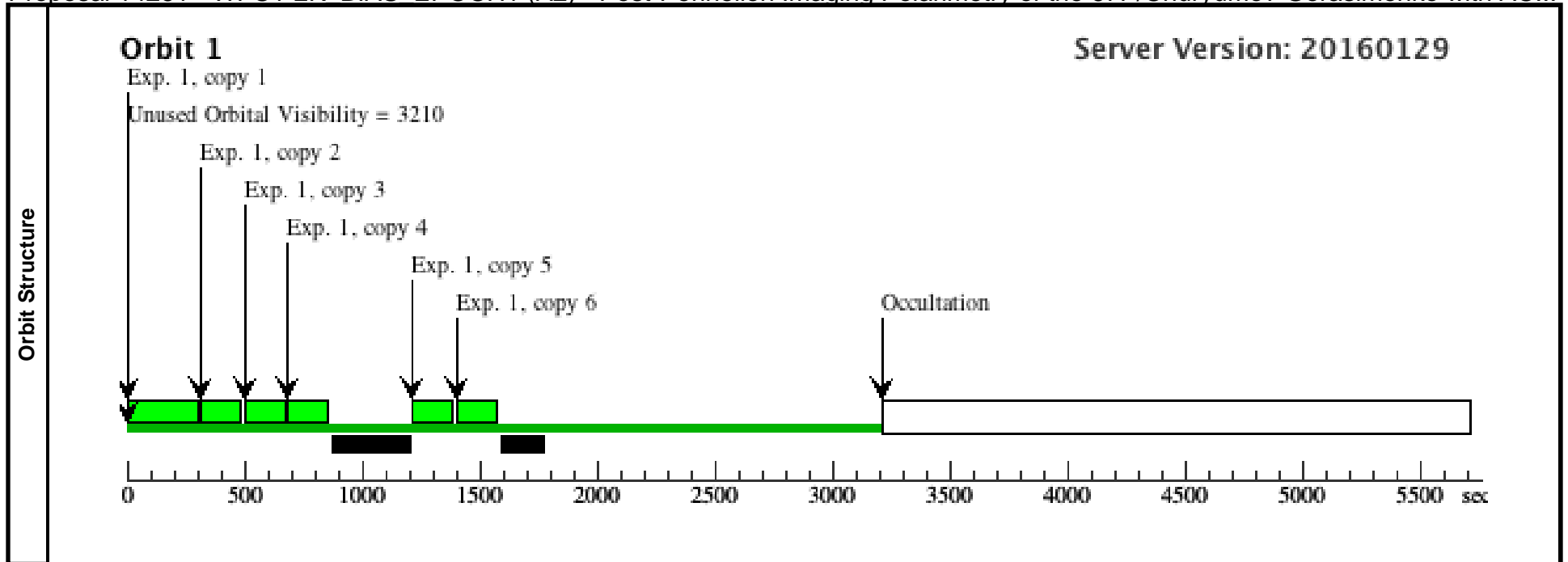
Visit	<p>Proposal 14261, WFC1-2K_BIAS_EPOCH1 (A1), failed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: ACS/WFC</p> <p>Special Requirements: SEQ A1,A2,A3,A4 WITHIN 1 D</p>									
	<p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): COMPRESSION is not a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): Target BIAS is no longer a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): Illegal selection: DEF.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): Illegal selection: WFC1-2K.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A1))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.</p>									
Diagnostics										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]
<p><i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i></p>										



Proposal 14261 - WFC1-2K BIAS EPOCH1 (A2) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

Sat Feb 27 02:01:09 GMT 2016

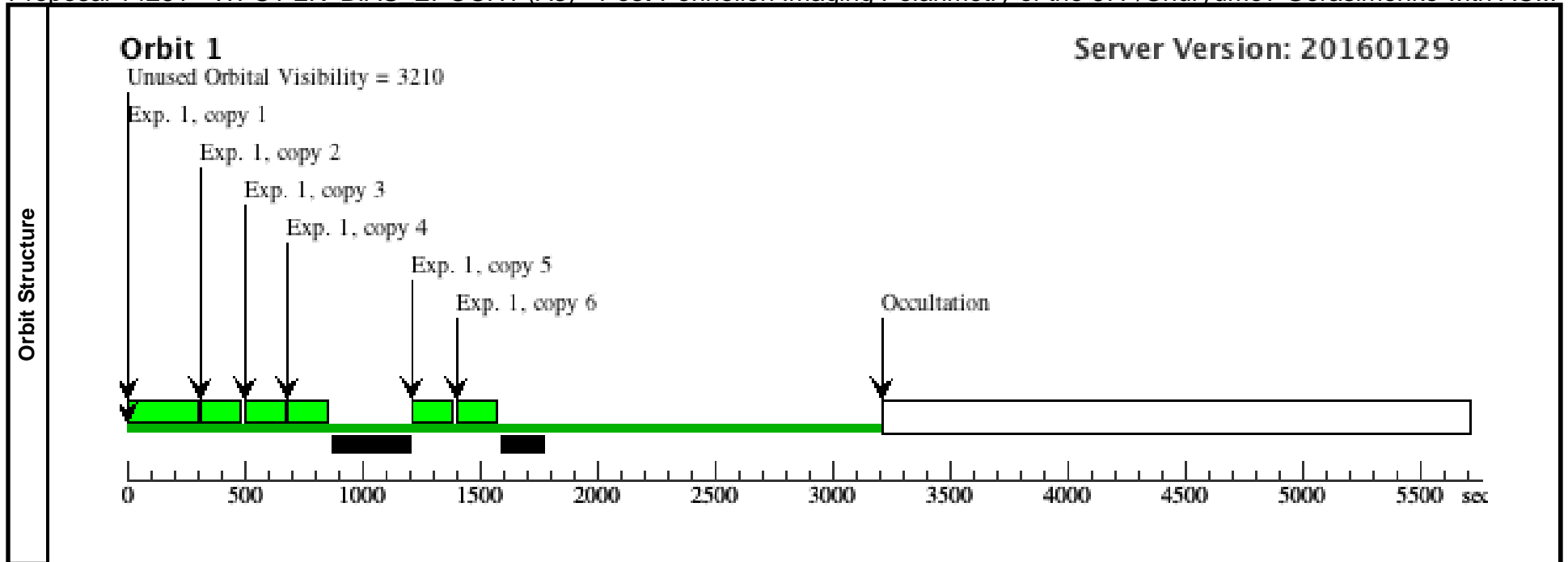
Visit	<p>Proposal 14261, WFC1-2K_BIAS_EPOCH1 (A2), failed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: ACS/WFC</p> <p>Special Requirements: (none)</p>																												
	Diagnostics	<p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): Illegal selection: WFC1-2K.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): Target BIAS is no longer a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): Illegal selection: DEF.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A2))) Error (Form): COMPRESSION is not a valid selection</p>																											
Exposures		<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BIAS</td> <td>ACS/WFC, ACCUM, WFC1-2K</td> <td>DEF</td> <td>GAIN=2.0; COMPRESSION=N ONE</td> <td></td> <td></td> <td>0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]</td> <td>[1]</td> </tr> </tbody> </table>									#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																			
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]																				
<p><i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i></p>																													



Proposal 14261 - WFC1-2K BIAS EPOCH1 (A3) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

Sat Feb 27 02:01:09 GMT 2016

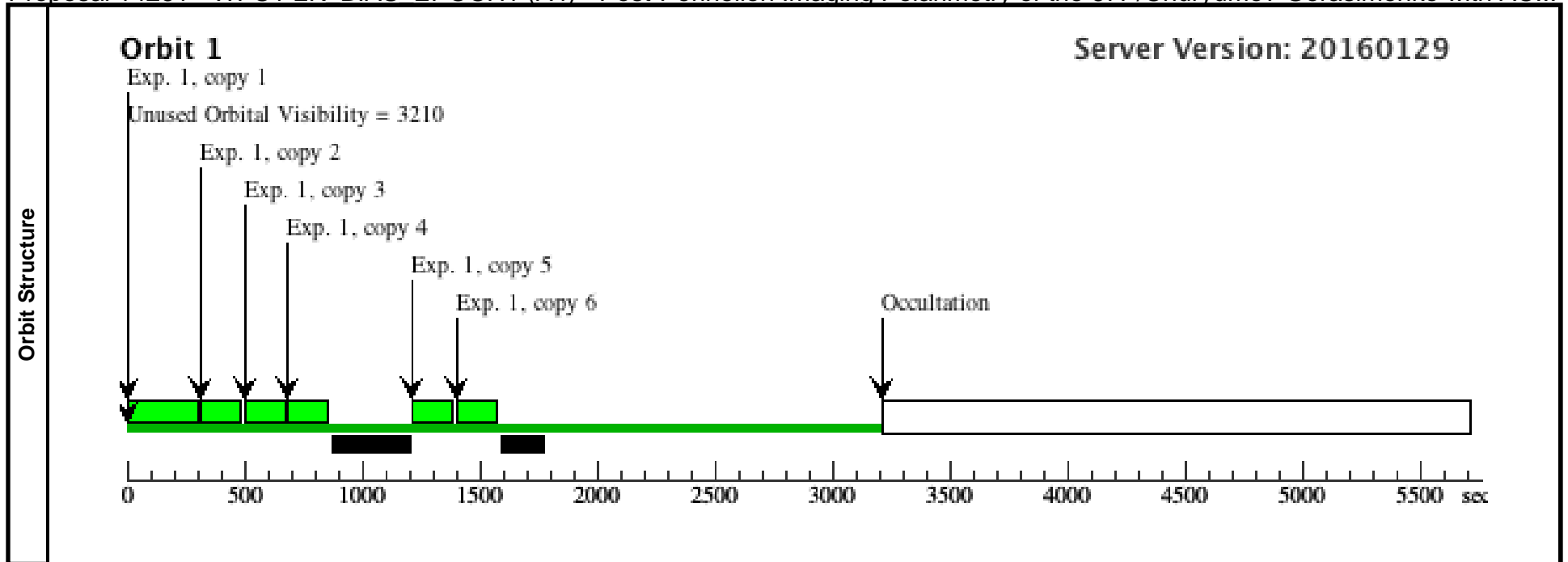
Visit	<p>Proposal 14261, WFC1-2K_BIAS_EPOCH1 (A3), failed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: ACS/WFC</p> <p>Special Requirements: (none)</p>																												
	Diagnostics	<p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): COMPRESSION is not a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): Target BIAS is no longer a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): Illegal selection: DEF.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): Illegal selection: WFC1-2K.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.</p>																											
Exposures		<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BIAS</td> <td>ACS/WFC, ACCUM, WFC1-2K</td> <td>DEF</td> <td>GAIN=2.0; COMPRESSION=N ONE</td> <td></td> <td></td> <td>0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]</td> <td>[1]</td> </tr> </tbody> </table>									#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																			
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]																				
<p><i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i></p>																													



Proposal 14261 - WFC1-2K BIAS EPOCH1 (A4) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

Sat Feb 27 02:01:10 GMT 2016

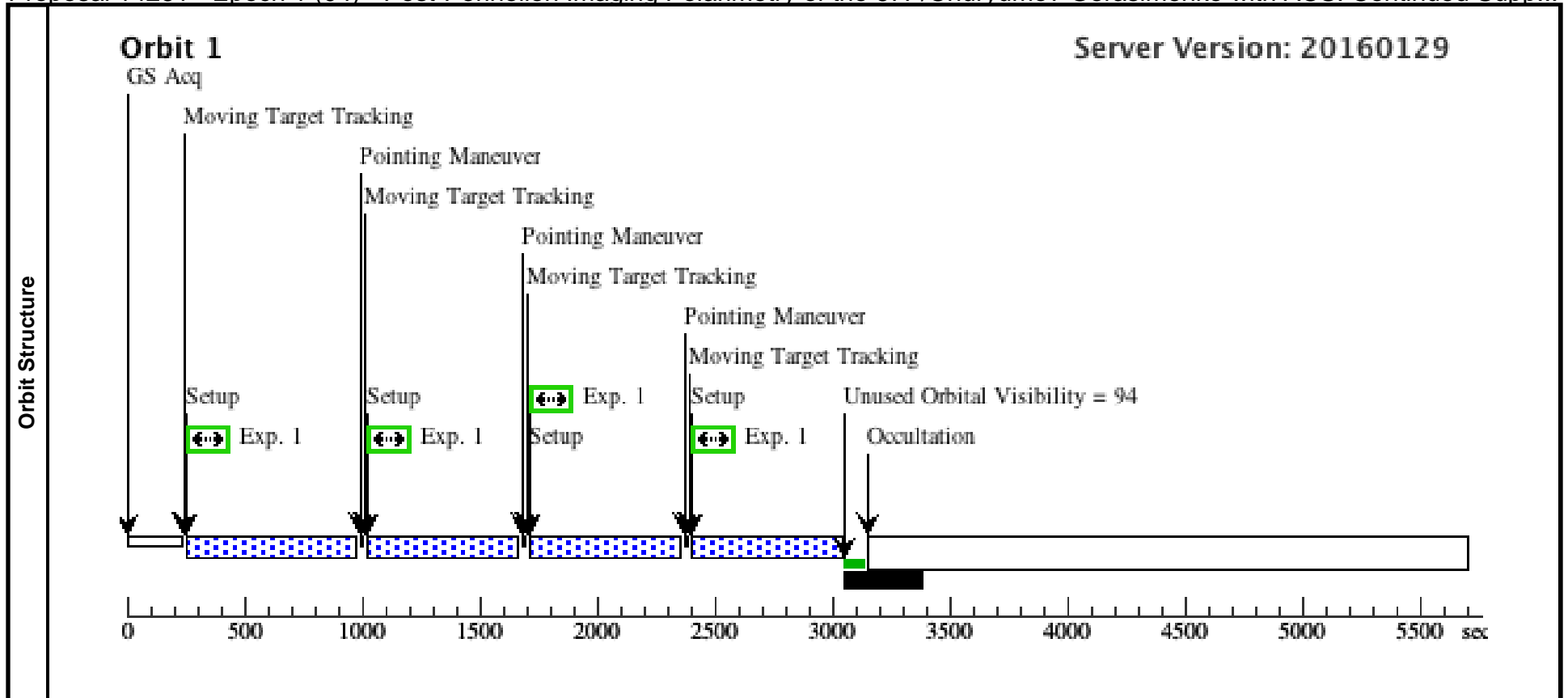
Visit	<p>Proposal 14261, WFC1-2K_BIAS_EPOCH1 (A4), failed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: ACS/WFC</p> <p>Special Requirements: GROUP A4,01,02,03 WITHIN 14D</p>																												
	Diagnostics	<p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): Target BIAS is no longer a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): Illegal selection: DEF.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): COMPRESSION is not a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (A4))) Error (Form): Illegal selection: WFC1-2K.</p>																											
Exposures		<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BIAS</td> <td>ACS/WFC, ACCUM, WFC1-2K</td> <td>DEF</td> <td>GAIN=2.0; COMPRESSION=N ONE</td> <td></td> <td></td> <td>0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]</td> <td>[1]</td> </tr> </tbody> </table>									#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																			
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]																				
<p><i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i></p>																													



Proposal 14261 - Epoch 1 (04) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

Sat Feb 27 02:01:10 GMT 2016

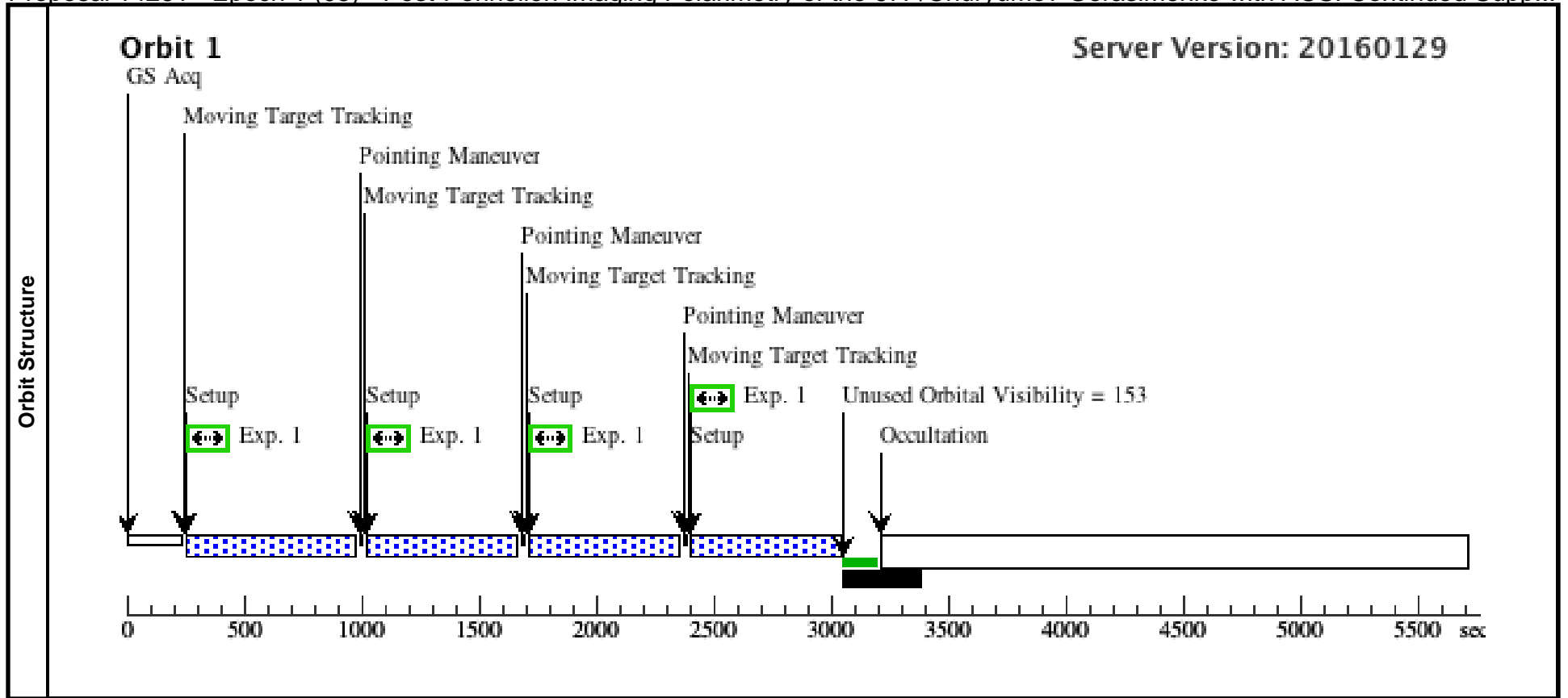
Visit	Proposal 14261, Epoch 1 (04), completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: VISIBILITY INTERVAL 52.51 M									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true			(1)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(2)	COMET-67P-CHURYUMOV-GER-UPDATE	TYPE=COMET,Q=1.2432815592736 17,E=0.64093009801435,I=7.0401680 70284028,O=50.13500663540592,W= 12.80065127074631,T=13-AUG- 2015:02:10:49,TTimeScale=TDT,EQU INOX=J2000,EPOCH=25-NOV- 2015,EpochTimeScale=TDT,A1=9.91 9855743647E- 10,A2=1.057263463736E- 10,A3=4.007658455521E-11				EARTH			
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL0V	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC, ACCUM, WFC	F606W POL0V		GS ACQ SCENARIO ONEB1B3	Sequence 1-1 Non-Int in Epoch 1 (04) Pattern 1, Exps 1-1 in Sequence 1-1 Non-Int in Epoch 1 (04) (1)	467 Secs (1868 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 14261 - Epoch 1 (05) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

Sat Feb 27 02:01:10 GMT 2016

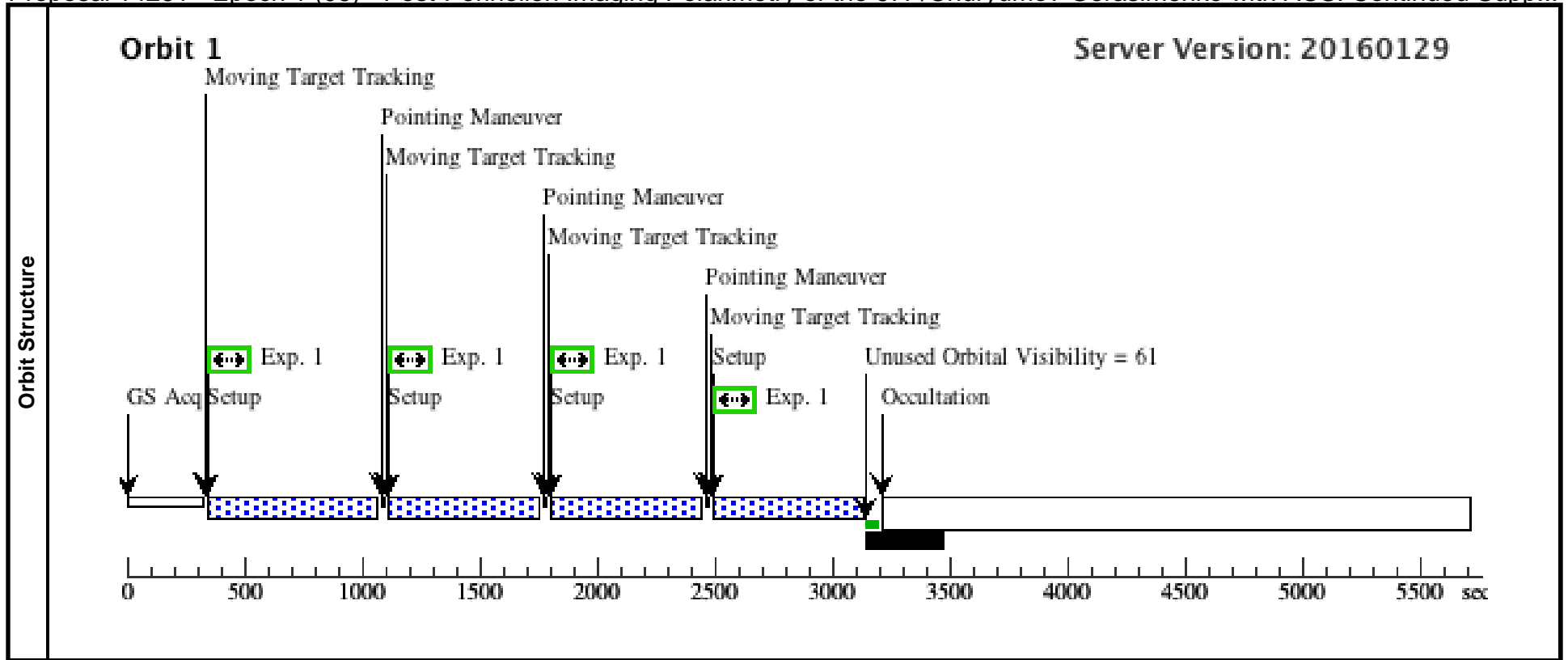
Visit	Proposal 14261, Epoch 1 (05), completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 04 BY 24.8 H TO 25.6 H									
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true				(1)			
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(2)	COMET-67P-CHURYUMOV-GER-UPDATE	TYPE=COMET,Q=1.2432815592736 17,E=0.64093009801435,I=7.0401680 70284028,O=50.13500663540592,W= 12.80065127074631,T=13-AUG- 2015:02:10:49,TTimeScale=TDT,EQU INOX=J2000,EPOCH=25-NOV- 2015,EpochTimeScale=TDT,A1=9.91 9855743647E- 10,A2=1.057263463736E- 10,A3=4.007658455521E-11				EARTH			
<i>Comments: Extended=YES</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL0V	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC, ACCUM, WFC	F606W POL60V		GS ACQ SCENARIO SINGLE	Sequence 1-1 Non-Int in Epoch 1 (05) Pattern 1, Exps 1-1 in Sequence 1-1 Non-Int in Epoch 1 (05) (1)	467 Secs (1868 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 14261 - Epoch 1 (06) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

Sat Feb 27 02:01:10 GMT 2016

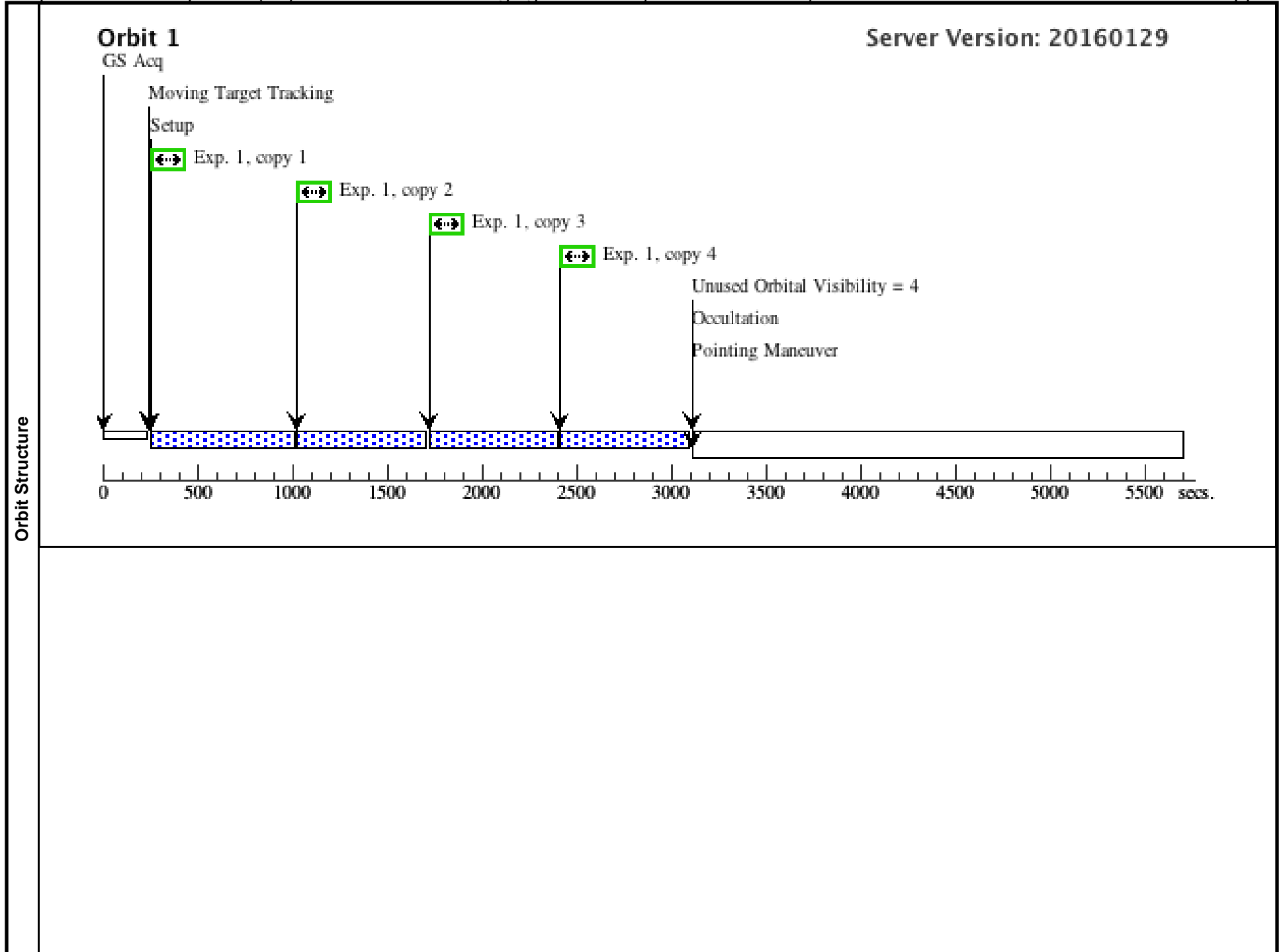
Visit	Proposal 14261, Epoch 1 (06), completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 05 BY 23.7 H TO 24.8 H									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true			(1)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(2)	COMET-67P-CHURYUMOV-GER-UPDATE	TYPE=COMET,Q=1.2432815592736 17,E=0.64093009801435,I=7.0401680 70284028,O=50.13500663540592,W=12.80065127074631,T=13-AUG-2015:02:10:49,TTimeScale=TDT,EQU INOX=J2000,EPOCH=25-NOV-2015,EpochTimeScale=TDT,A1=9.91 9855743647E-10,A2=1.057263463736E-10,A3=4.007658455521E-11				EARTH			
<i>Comments: Extended=YES</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL0V	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC, ACCUM, WFC	F606W POL120V			Sequence 1-1 Non-Int in Epoch 1 (06) Pattern 1, Exps 1-1 in Sequence 1-1 Non-Int in Epoch 1 (06) (1)	467 Secs (1868 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 14261 - Epoch 2 (10) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

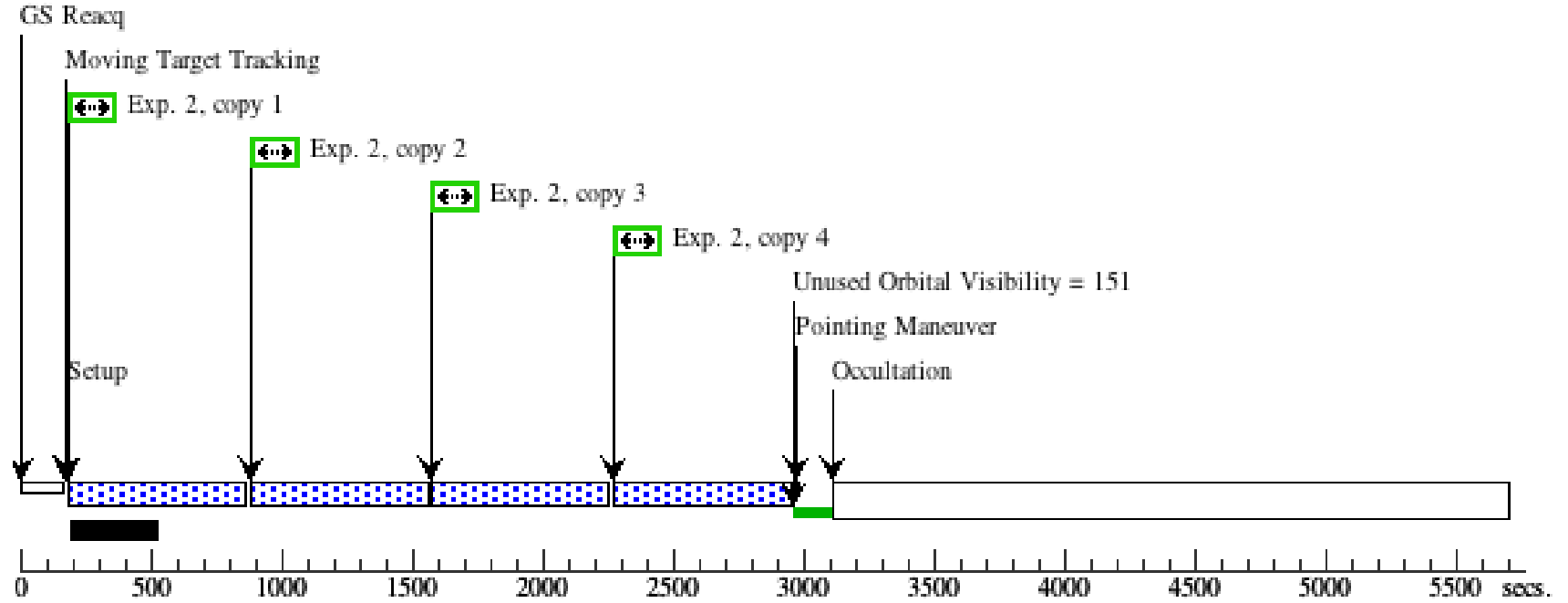
Sat Feb 27 02:01:10 GMT 2016

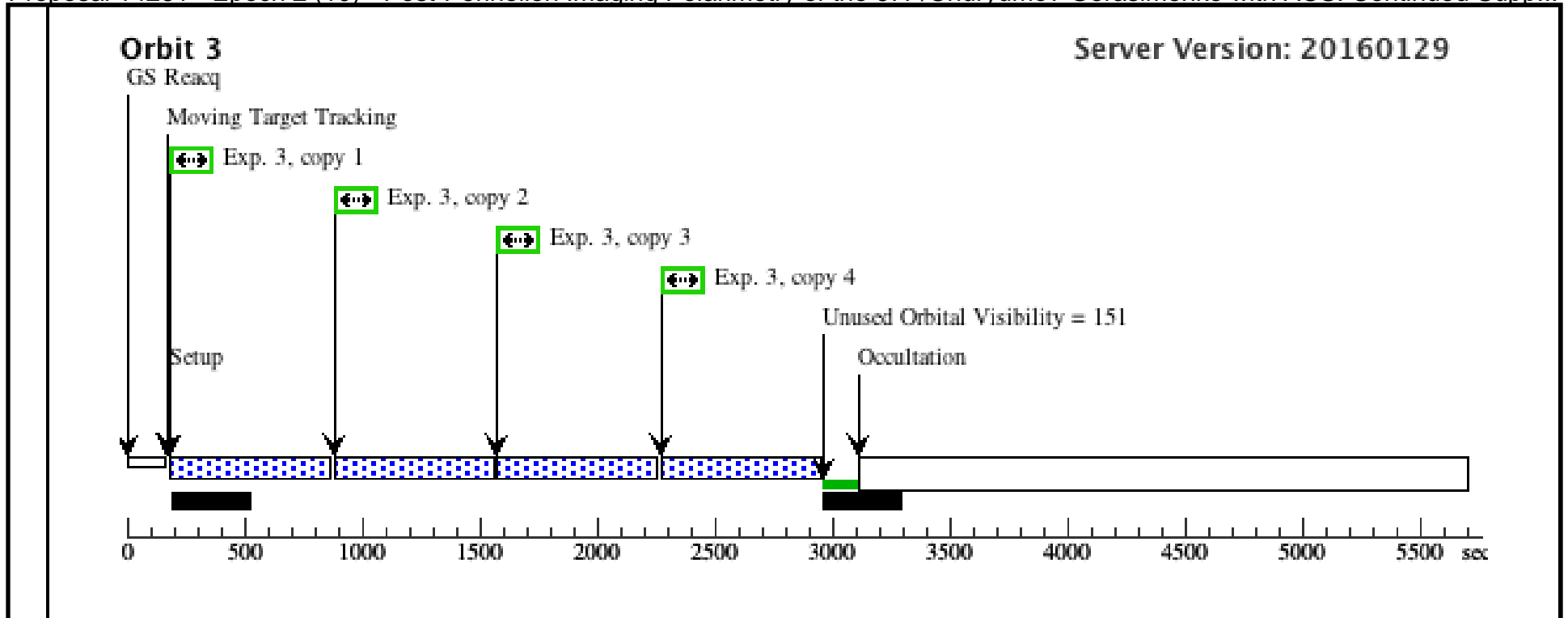
Visit	Proposal 14261, Epoch 2 (10), completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: BETWEEN 16-FEB-2016:00:00:00 AND 25-FEB-2016:00:00:00: VISIBILITY INTERVAL 51.94 M									
	Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center		
	(2)	COMET-67P- CHURYUMOV- GER-UPDATE	TYPE=COMET,Q=1.2432815592736 17,E=0.64093009801435,I=7.0401680 70284028,O=50.13500663540592,W=12.80065127074631,T=13-AUG-2015:02:10:49,TimeScale=TDT,EQUINOX=J2000,EPOCH=25-NOV-2015,EpochTimeScale=TDT,A1=9.919855743647E-10,A2=1.057263463736E-10,A3=4.007658455521E-11					EARTH		
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL0V	(2) COMET-67P-CH URYUMOV-GER-U PDATE	ACS/WFC, ACCUM, WFC	F606W POL0V		POS TARG -0.469,- 1.767; GS ACQ SCENARI O SINGLE		507 Secs X 4 (2028 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)]	[1]
	2	POL0V	(2) COMET-67P-CH URYUMOV-GER-U PDATE	ACS/WFC, ACCUM, WFC	F606W POL0V		POS TARG 2.586,- .615		507 Secs X 4 (2028 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)]	[2]
	3	POL0V	(2) COMET-67P-CH URYUMOV-GER-U PDATE	ACS/WFC, ACCUM, WFC	F606W POL0V		POS TARG 0.469,1. 767		507 Secs X 4 (2028 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)]	[3]



Orbit 2

Server Version: 20160129

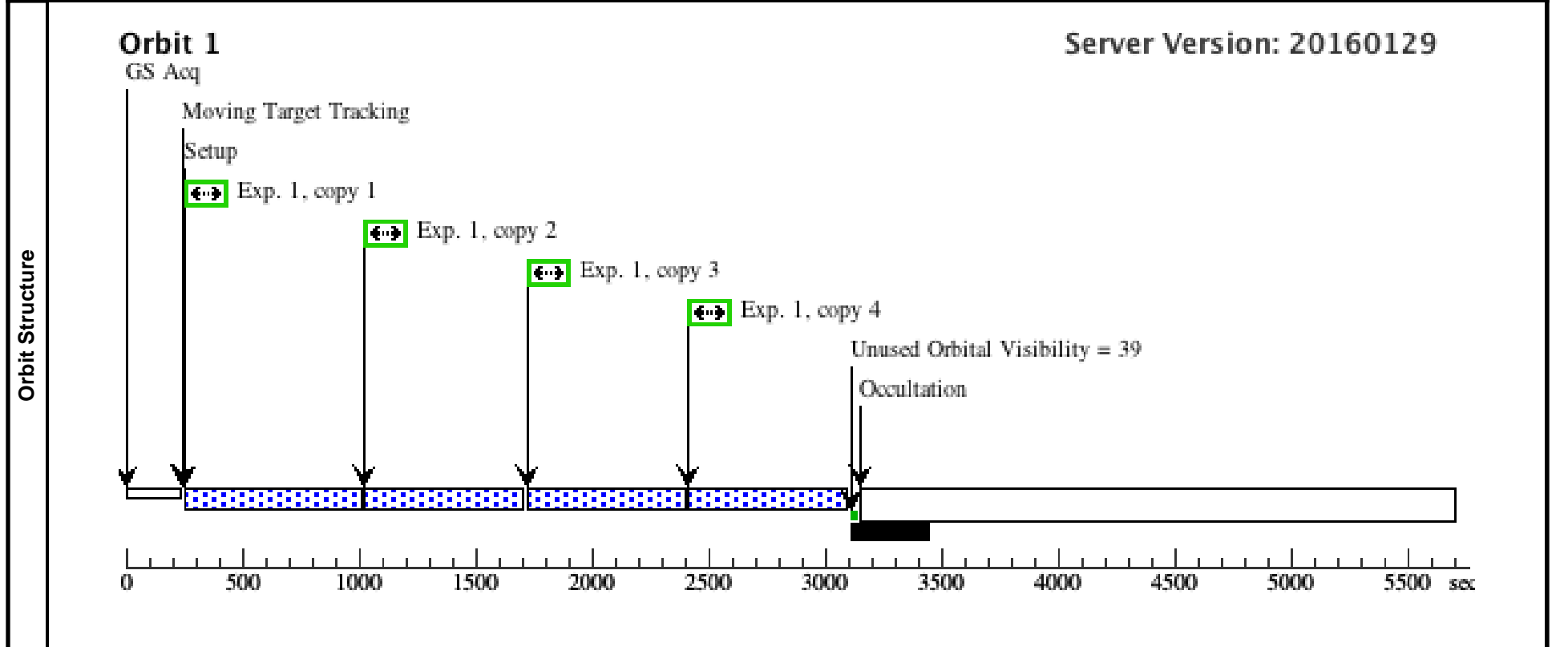




Visit	Proposal 14261, Epoch 2 (1A), completed					
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: ACS/WFC					
	Special Requirements: AFTER 10 BY 1.8 Orbits TO 3.2 Orbits; BETWEEN 16-FEB-2016:00:00:00 AND 25-FEB-2016:00:00:00; VISIBILITY INTERVAL 52.51 M					

Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center
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	<i>Comments: Extended=YES</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL0V	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC, ACCUM, WFC	F606W		POS TARG -2.586,0 .615; GS ACQ SCENARI O SINGLE		507 Secs X 4 (2028 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)]	[1]

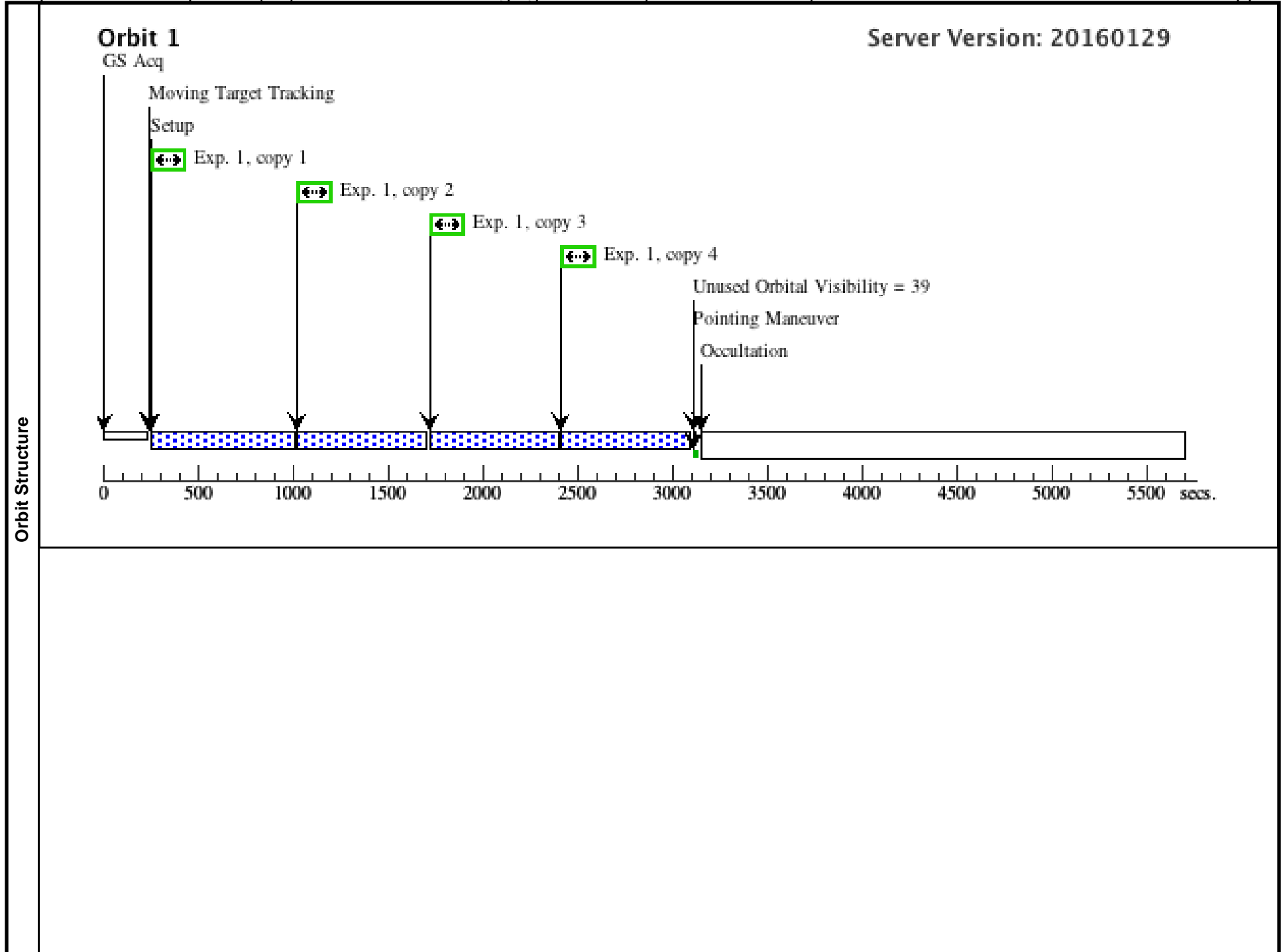


Visit	Proposal 14261, Epoch 2 (C5), implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: VISIBILITY INTERVAL 50 M										
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center				
	(2)	COMET-67P-CHURYUMOV-GER-UPDATE	TYPE=COMET,Q=1.2432815592736 17,E=0.64093009801435,I=7.0401680 70284028,O=50.13500663540592,W=12.80065127074631,T=13-AUG-2015:02:10:49,TimeScale=TDT,EQU INOX=J2000,EPOCH=25-NOV-2015,EpochTimeScale=TDT,A1=9.919855743647E-10,A2=1.057263463736E-10,A3=4.007658455521E-11					EARTH			
<i>Comments: Extended=YES</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	POL0V	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC, ACCUM, WFC	F606W POL60V		POS TARG -2.586,0 .615; GS ACQ SCENARI O SINGLE		475 Secs X 4 (1900 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)]	[1]	
Orbit Structure	Orbit 1 GS Acq Moving Target Tracking Setup Exp. 1, copy 1 Exp. 1, copy 2 Exp. 1, copy 3 Exp. 1, copy 4 Unused Orbital Visibility = 16 Occultation						Server Version: 20160129				
	<p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A blue hatched bar represents the visibility window, starting at approximately 200s and ending at 3000s. Four green boxes with double-headed arrows indicate the duration of 'Exp. 1, copy 1' through 'copy 4', each centered within the visibility window. A black bar at the bottom indicates an 'Occultation' starting at 3000s. A vertical line at 3000s is labeled 'Unused Orbital Visibility = 16'. The timeline is labeled 'Orbit 1' and 'GS Acq'.</p>										

Proposal 14261 - Epoch 2 (11) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

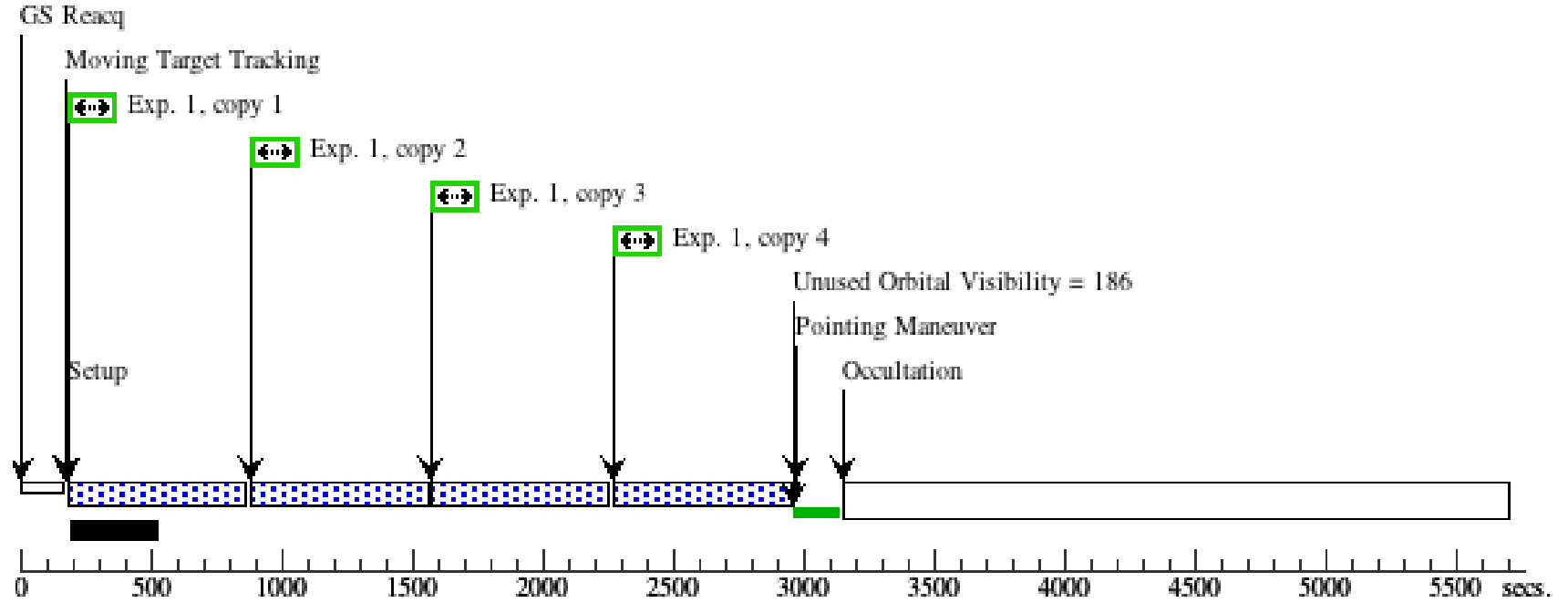
Sat Feb 27 02:01:10 GMT 2016

Visit	Proposal 14261, Epoch 2 (11), completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 10 BY 24.8 H TO 25.6 H; VISIBILITY INTERVAL 52.51 M									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true			(1)				
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(2)	COMET-67P-CHURYUMOV-GER-UPDATE	TYPE=COMET,Q=1.2432815592736 17,E=0.64093009801435,I=7.0401680 70284028,O=50.13500663540592,W=12.80065127074631,T=13-AUG-2015:02:10:49,TimeScale=TDT,EQU INOX=J2000,EPOCH=25-NOV-2015,EpochTimeScale=TDT,A1=9.91 9855743647E-10,A2=1.057263463736E-10,A3=4.007658455521E-11				EARTH			
<i>Comments: Extended=YES</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL60V	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC, ACCUM, WFC	F606W POL60V		GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in Epoch 2 (11) (1)	507 Secs X 4 (8112 Secs)	
									[=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 1, Copy 4)]	[1]
									[=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)] [=>(Pattern 2, Copy 4)]	[2]
									[=>(Pattern 3, Copy 1)] [=>(Pattern 3, Copy 2)] [=>(Pattern 3, Copy 3)] [=>(Pattern 3, Copy 4)]	[3]
								[=>(Pattern 4, Copy 1)] [=>(Pattern 4, Copy 2)] [=>(Pattern 4, Copy 3)] [=>(Pattern 4, Copy 4)]	[4]	



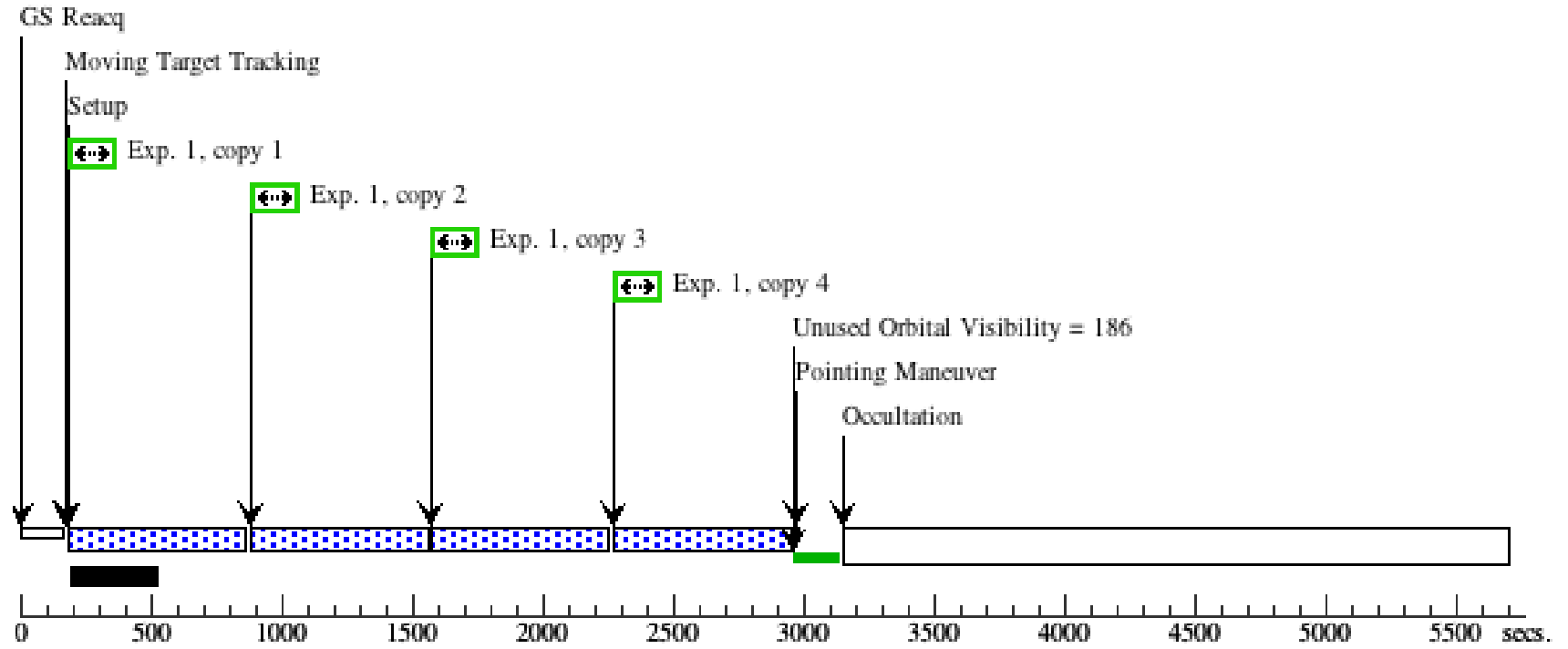
Orbit 2

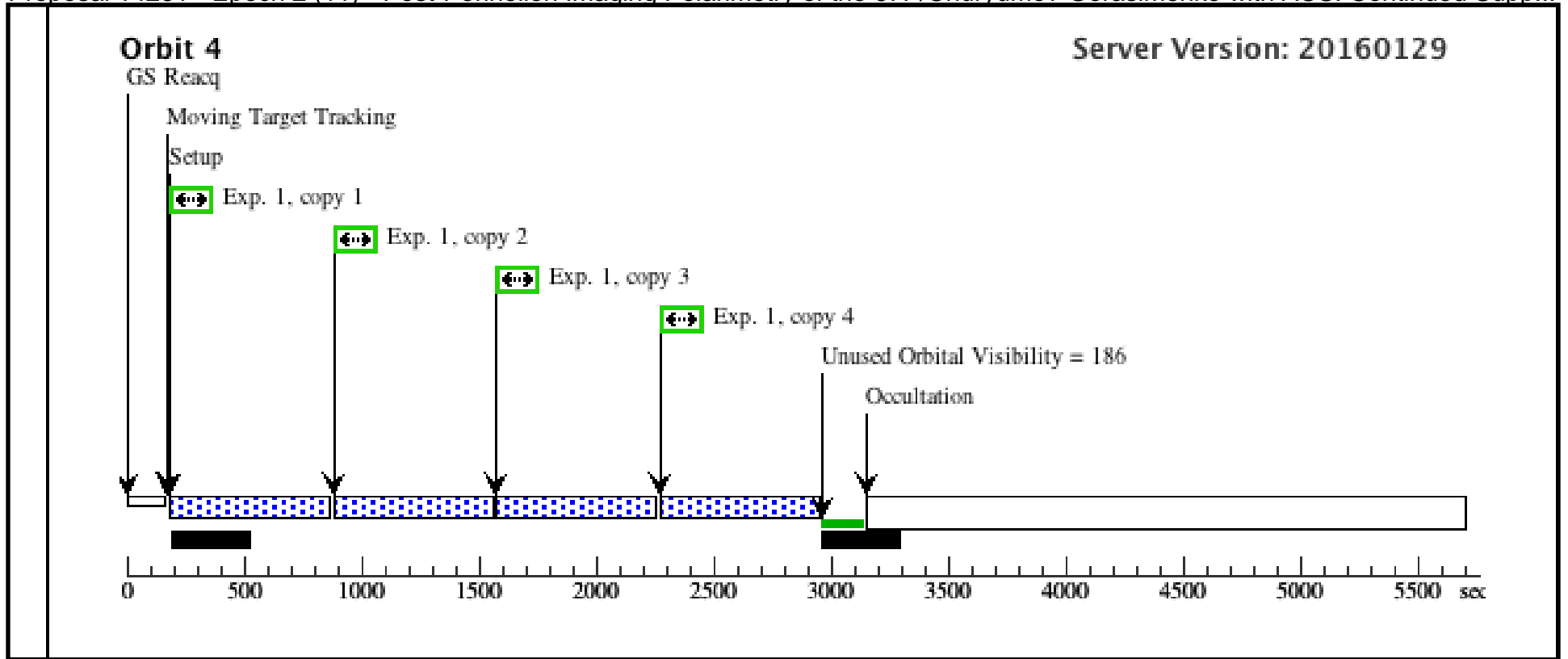
Server Version: 20160129



Orbit 3

Server Version: 20160129

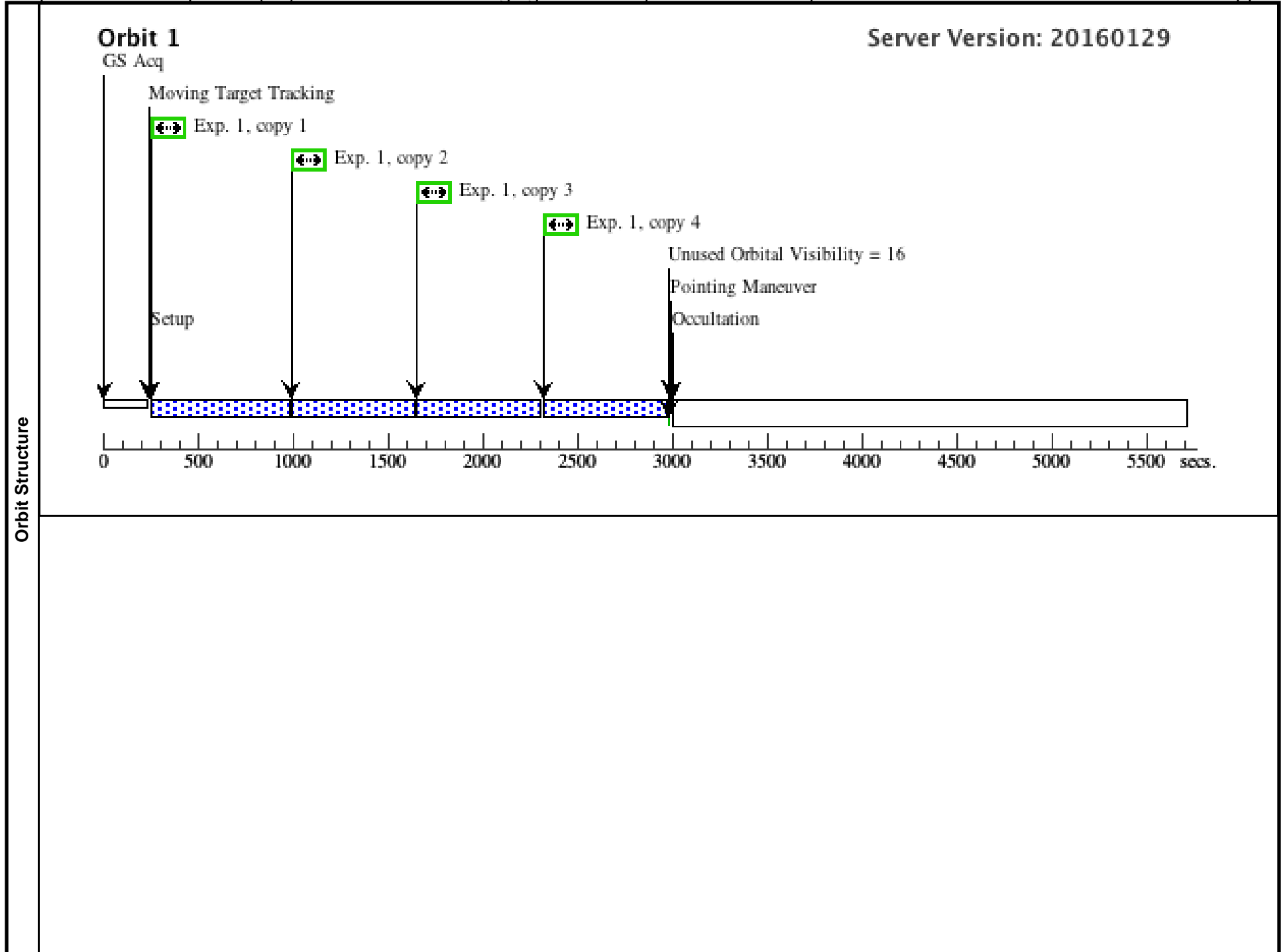




Proposal 14261 - Epoch 2 (20) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

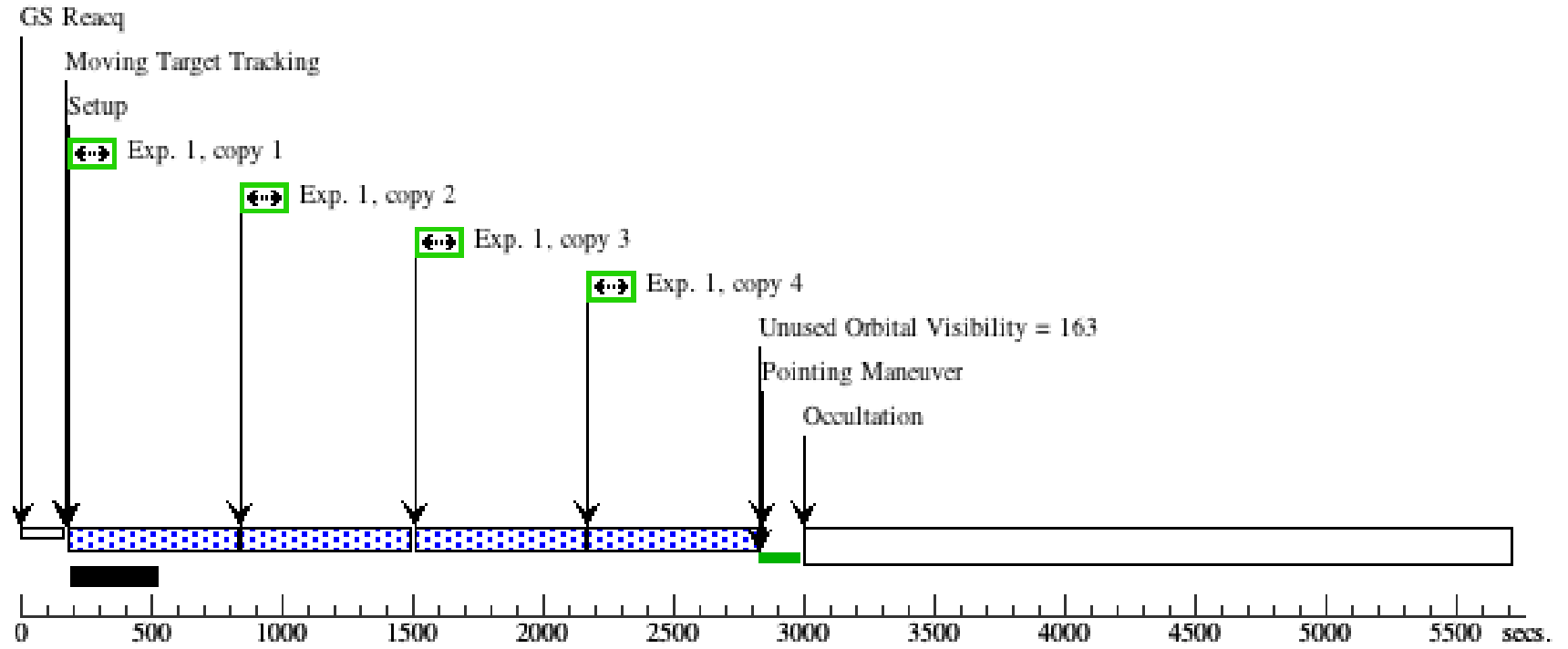
Sat Feb 27 02:01:10 GMT 2016

Visit	Proposal 14261, Epoch 2 (20) Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: VISIBILITY INTERVAL 50 M Comments: <i>hopr copy of visit 11</i>									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true		(1)					
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(2)	COMET-67P-CHURYUMOV-GER-UPDATE	TYPE=COMET,Q=1.2432815592736	17,E=0.64093009801435,I=7.0401680	70284028,O=50.13500663540592,W=12.80065127074631,T=13-AUG-2015:02:10:49,TTimeScale=TDT,EQUINOX=J2000,EPOCH=25-NOV-2015,EpochTimeScale=TDT,A1=9.91	9855743647E-10,A2=1.057263463736E-10,A3=4.007658455521E-11	EARTH			
	Comments: <i>Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL60V	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC, ACCUM, WFC	F606W		GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in Epoch 2 (20) (1)	475 Secs X 4 (7600 Secs)	
					POL60V				[=>(Pattern 1, Copy 1)]	[1]
									[=>(Pattern 1, Copy 2)]	
									[=>(Pattern 1, Copy 3)]	
								[=>(Pattern 1, Copy 4)]		
								[=>(Pattern 2, Copy 1)]	[2]	
								[=>(Pattern 2, Copy 2)]		
								[=>(Pattern 2, Copy 3)]		
								[=>(Pattern 2, Copy 4)]		
								[=>(Pattern 3, Copy 1)]	[3]	
								[=>(Pattern 3, Copy 2)]		
								[=>(Pattern 3, Copy 3)]		
								[=>(Pattern 3, Copy 4)]		
								[=>(Pattern 4, Copy 1)]	[4]	
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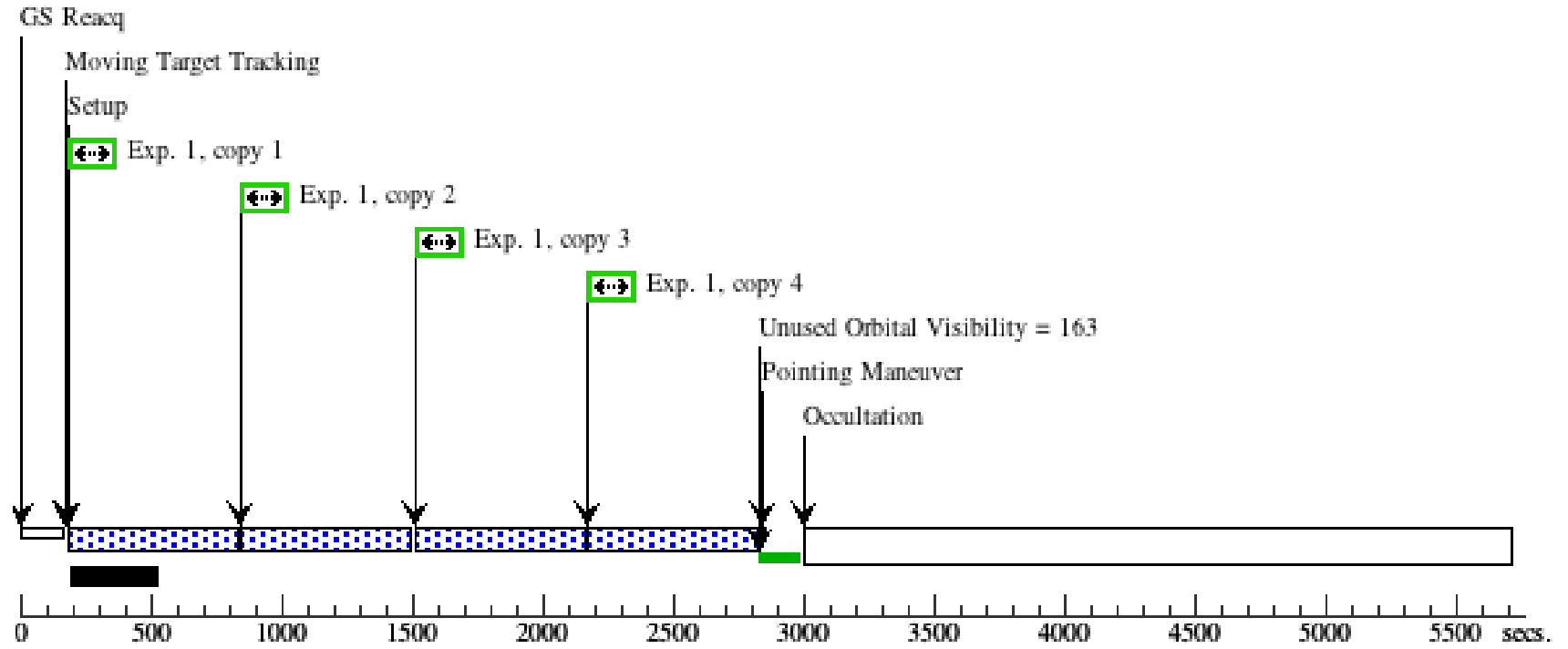
Orbit 2

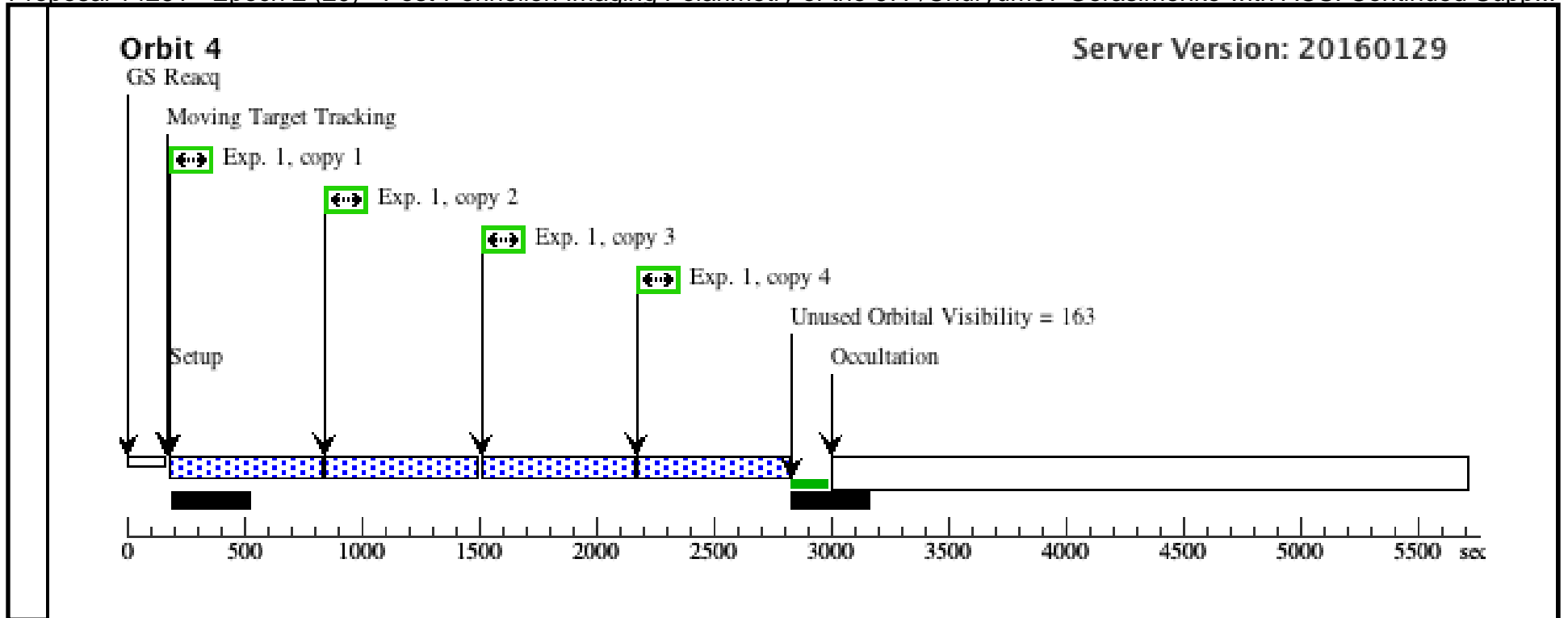
Server Version: 20160129



Orbit 3

Server Version: 20160129

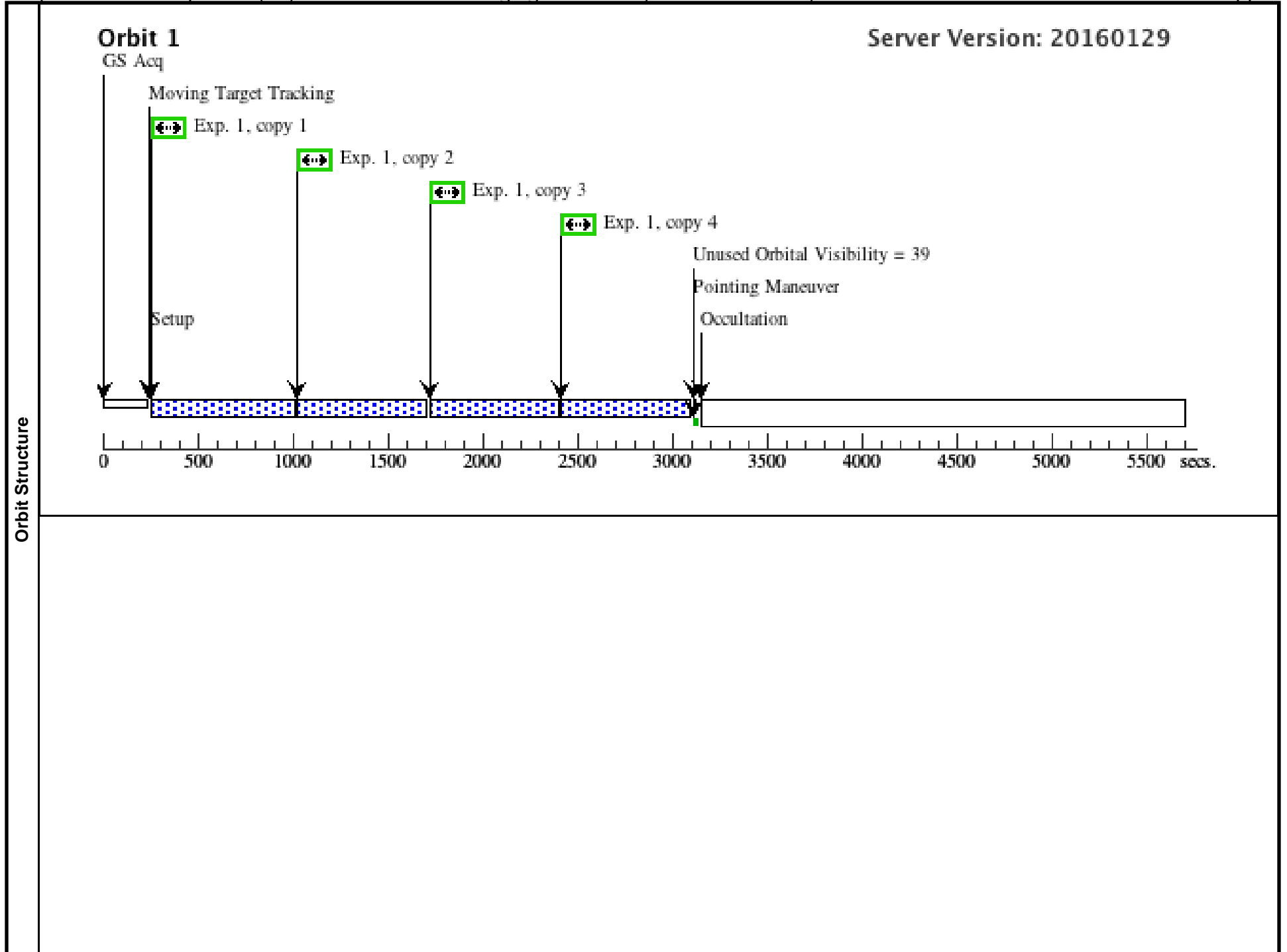




Proposal 14261 - Epoch 2 (12) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with ACS: Continued Supp...

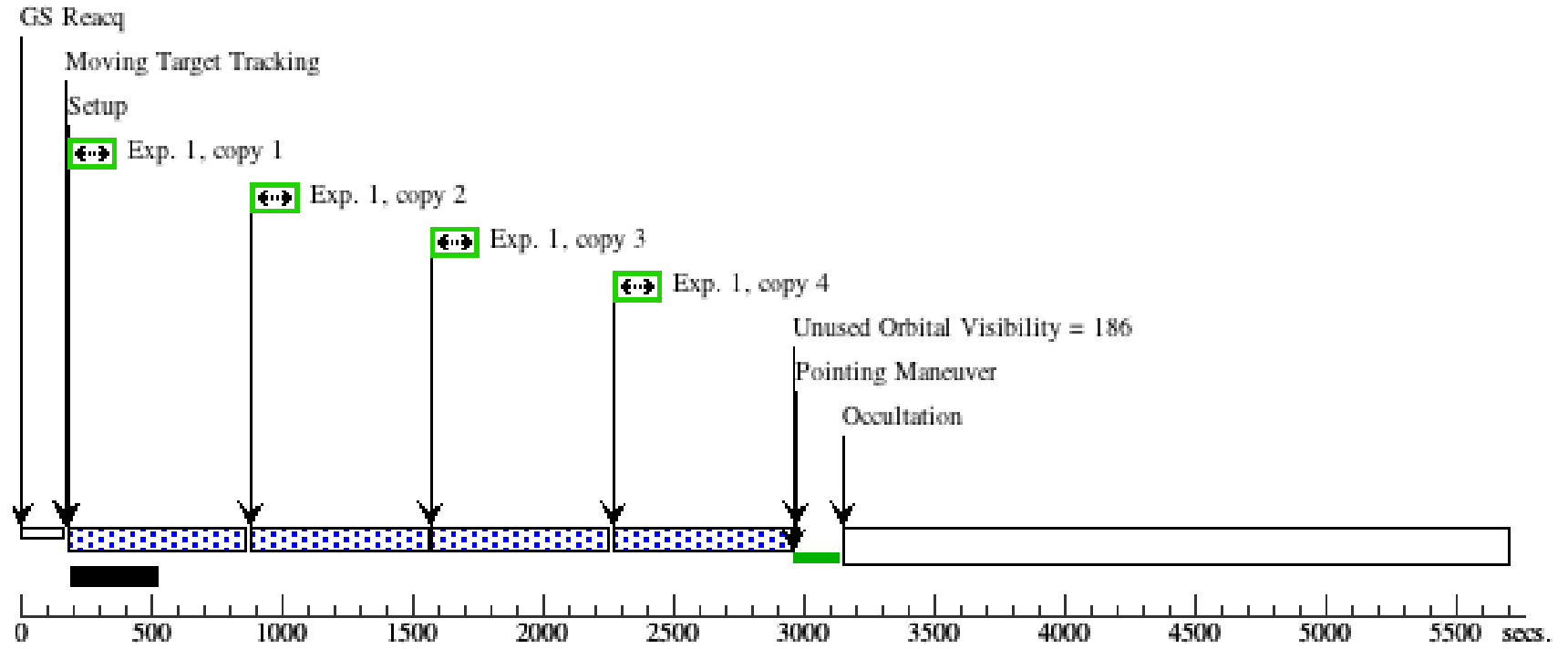
Sat Feb 27 02:01:10 GMT 2016

Visit	Proposal 14261, Epoch 2 (12), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 10 BY 74.7 H TO 74.8 H; VISIBILITY INTERVAL 52.51 M									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=3.265 Line Spacing=3.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=true		(1)					
Solar System Targets	#	Name	Level 1	Level 2	Level 3	Window	Ephem Center			
	(2)	COMET-67P-CHURYUMOV-GER-UPDATE	TYPE=COMET,Q=1.2432815592736 17,E=0.64093009801435,I=7.0401680 70284028,O=50.13500663540592,W=12.80065127074631,T=13-AUG-2015:02:10:49,TTimeScale=TDT,EQU INOX=J2000,EPOCH=25-NOV-2015,EpochTimeScale=TDT,A1=9.91 9855743647E-10,A2=1.057263463736E-10,A3=4.007658455521E-11				EARTH			
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	POL120V	(2) COMET-67P-CHURYUMOV-GER-UPDATE	ACS/WFC, ACCUM, WFC	F606W POL120V		GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in Epoch 2 (12) (1)	507 Secs X 4 (8112 Secs)	
									[=>(Pattern 1, Copy 1)] [=>(Pattern 1, Copy 2)] [=>(Pattern 1, Copy 3)] [=>(Pattern 1, Copy 4)]	[1]
									[=>(Pattern 2, Copy 1)] [=>(Pattern 2, Copy 2)] [=>(Pattern 2, Copy 3)] [=>(Pattern 2, Copy 4)]	[2]
									[=>(Pattern 3, Copy 1)] [=>(Pattern 3, Copy 2)] [=>(Pattern 3, Copy 3)] [=>(Pattern 3, Copy 4)]	[3]
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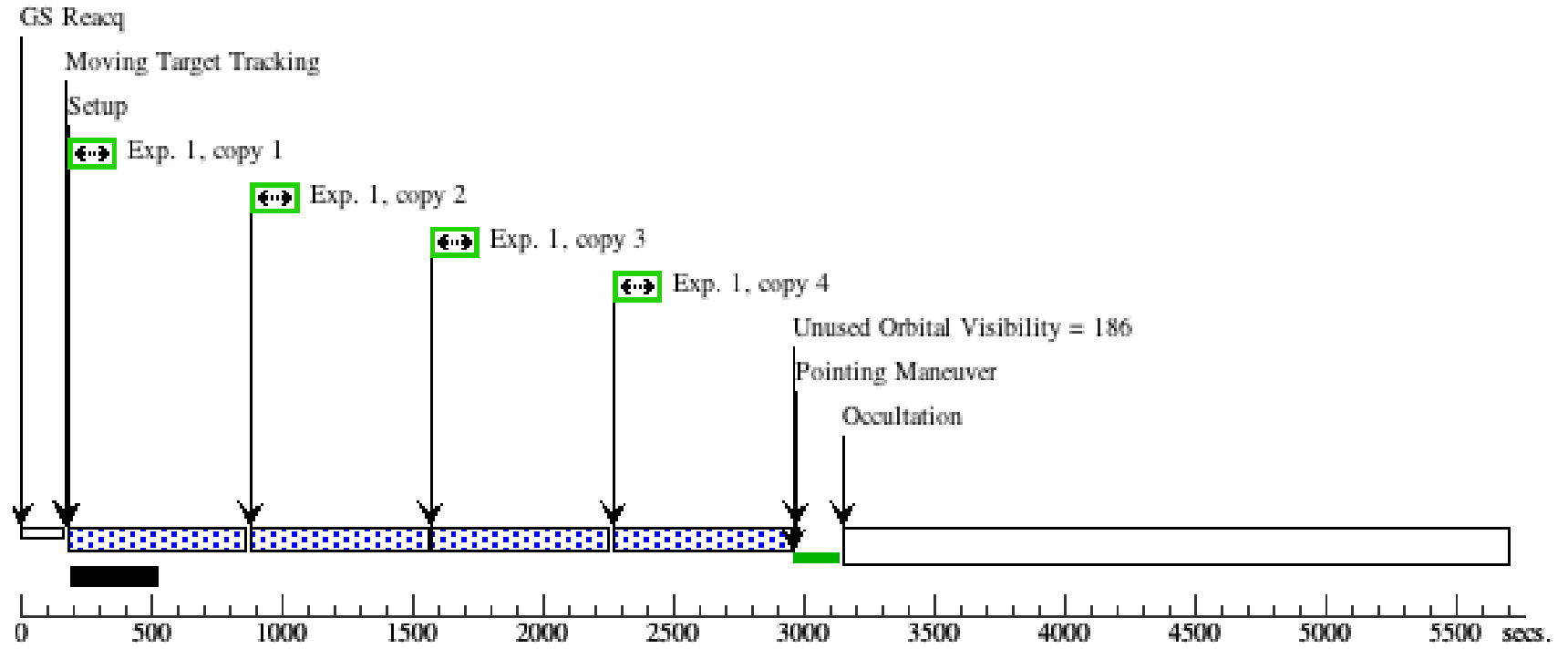
Orbit 2

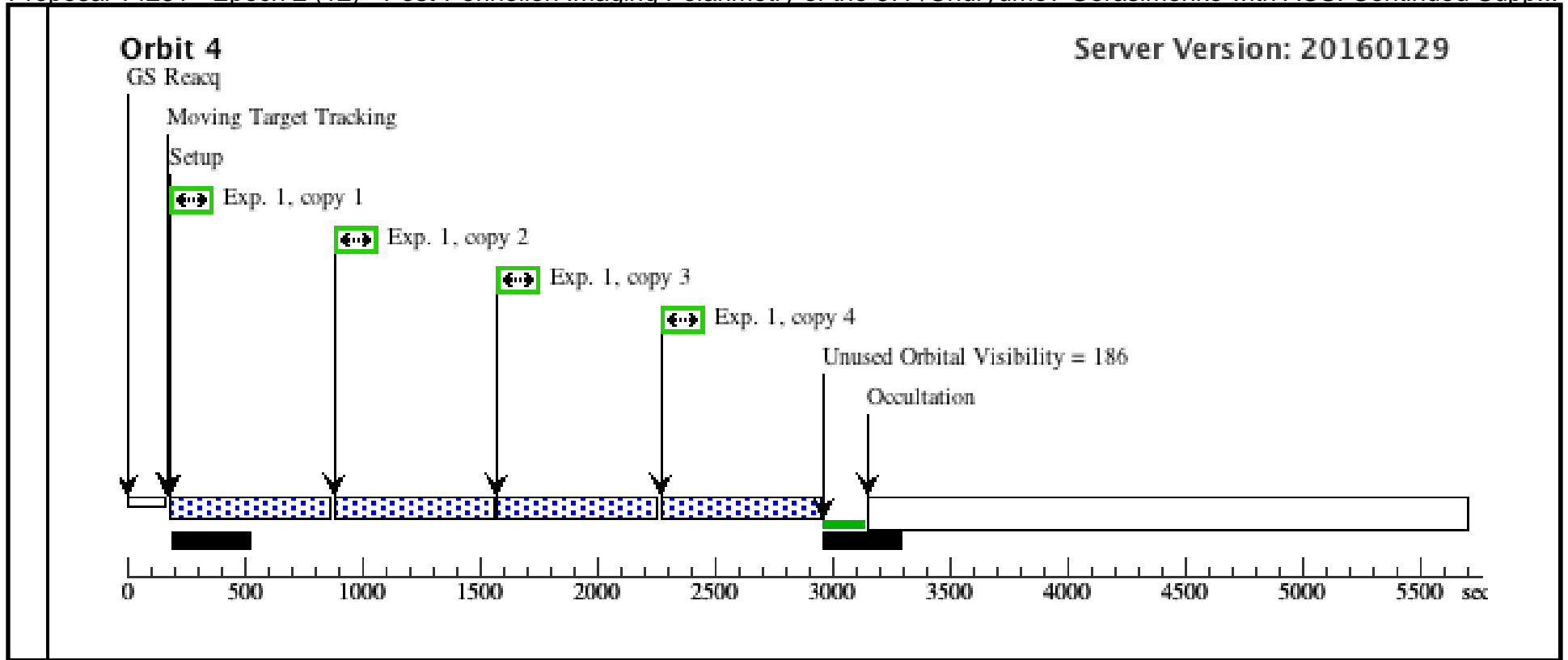
Server Version: 20160129



Orbit 3

Server Version: 20160129

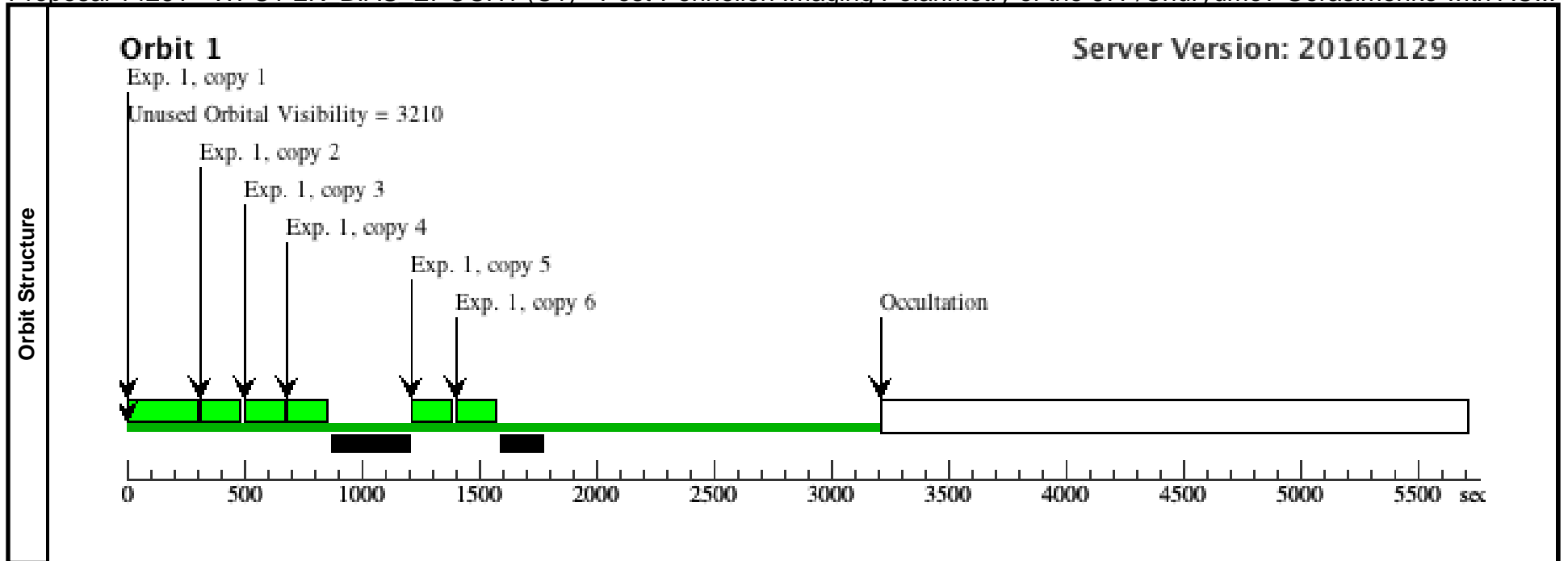




Proposal 14261 - WFC1-2K BIAS_EPOCH1 (C1) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

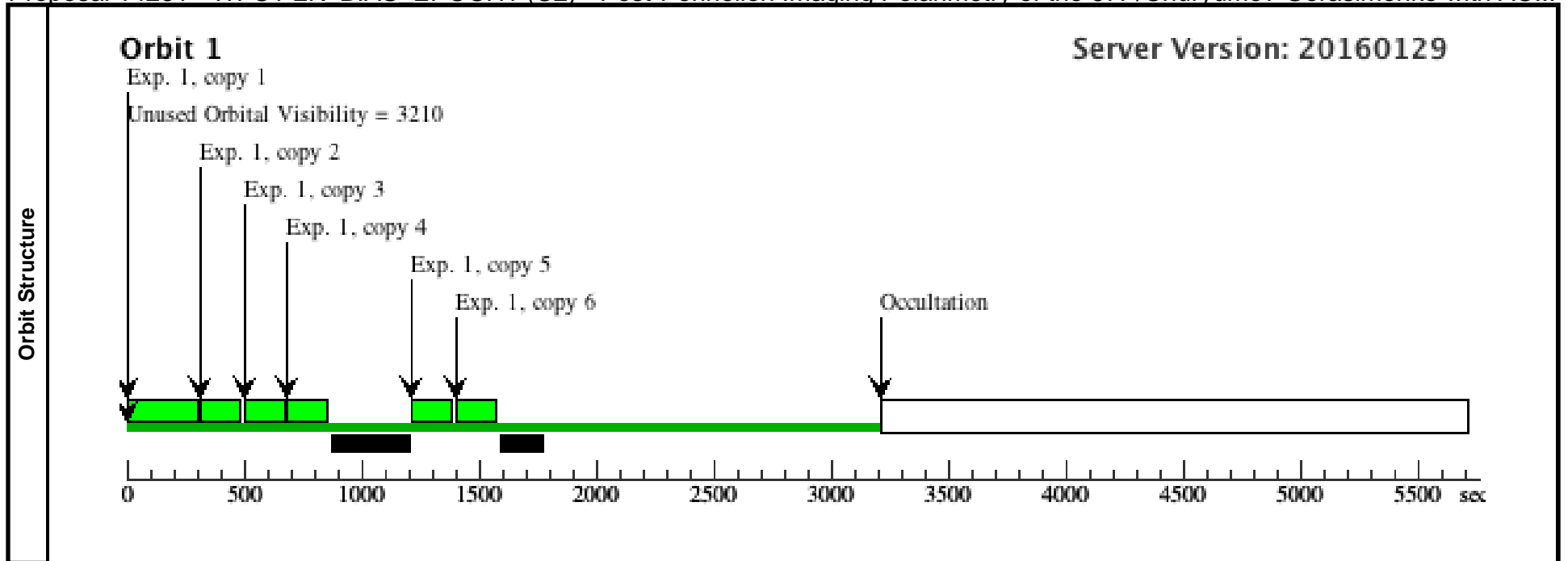
Sat Feb 27 02:01:10 GMT 2016

Visit	<p>Proposal 14261, WFC1-2K_BIAS_EPOCH1 (C1), completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: ACS/WFC</p> <p>Special Requirements: SEQ C1,C2,C3,C4 WITHIN 1 D</p>																												
	<p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): Illegal selection: WFC1-2K.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): Illegal selection: DEF.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): Target BIAS is no longer a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C1))) Error (Form): COMPRESSION is not a valid selection</p>																												
Diagnostics																													
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BIAS</td> <td>ACS/WFC, ACCUM, WFC1-2K</td> <td>DEF</td> <td>GAIN=2.0; COMPRESSION=N ONE</td> <td></td> <td></td> <td>0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]</td> <td>[1]</td> </tr> </tbody> </table>									#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																			
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]																				
<p><i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i></p>																													



Proposal 14261 - WFC1-2K BIAS EPOCH1 (C2) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

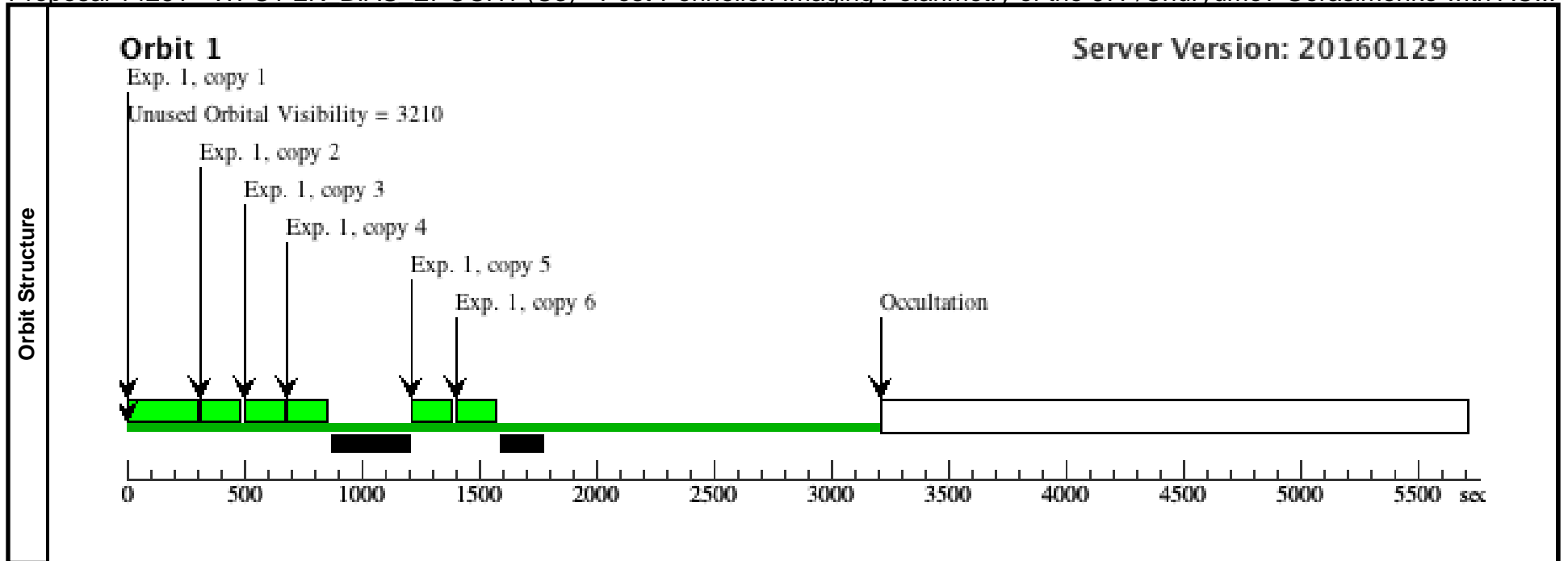
Visit	Proposal 14261, WFC1-2K_BIAS_EPOCH1 (C2), completed Sat Feb 27 02:01:10 GMT 2016 Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: (none)									
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(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.										
(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C2))) Error (Form): Illegal selection: DEF.										
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(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C2))) Error (Form): Target BIAS is no longer a valid selection										
(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C2))) Error (Form): COMPRESSION is not a valid selection										
(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C2))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.										
(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C2))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.										
Exposures	(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C2))) Error (Form): Illegal selection: WFC1-2K.									
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
									[==>(Copy 3)]	
									[==>(Copy 4)]	
								[==>(Copy 5)]		
								[==>(Copy 6)]		
<i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i>										



Proposal 14261 - WFC1-2K BIAS EPOCH1 (C3) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

Sat Feb 27 02:01:10 GMT 2016

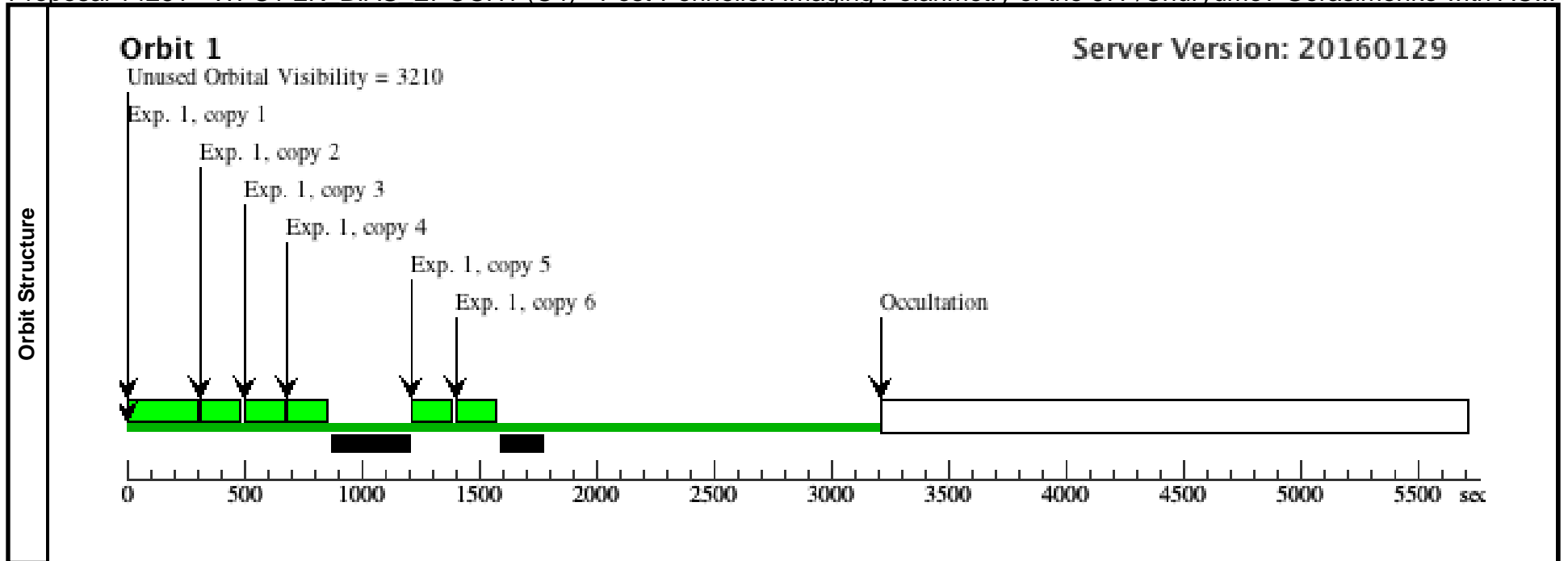
Visit	<p>Proposal 14261, WFC1-2K_BIAS_EPOCH1 (C3), completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: ACS/WFC</p> <p>Special Requirements: (none)</p>																												
	Diagnostics	<p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): COMPRESSION is not a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): Target BIAS is no longer a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): Illegal selection: WFC1-2K.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): Illegal selection: DEF.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH1 (C3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.</p>																											
Exposures		<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BIAS</td> <td>ACS/WFC, ACCUM, WFC1-2K</td> <td>DEF</td> <td>GAIN=2.0; COMPRESSION=N ONE</td> <td></td> <td></td> <td>0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]</td> <td>[1]</td> </tr> </tbody> </table>									#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																			
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]																				
<p><i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i></p>																													



Proposal 14261 - WFC1-2K BIAS_EPOCH1 (C4) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

Sat Feb 27 02:01:10 GMT 2016

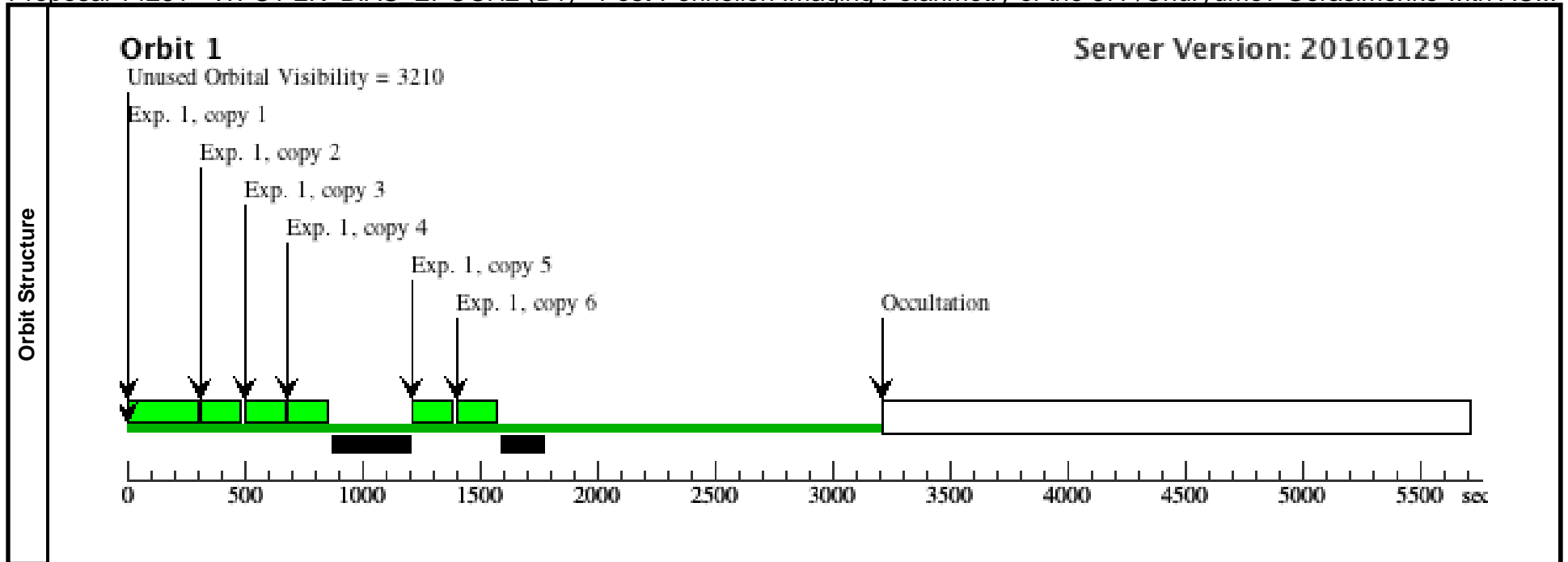
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Diagnostics																													
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BIAS</td> <td>ACS/WFC, ACCUM, WFC1-2K</td> <td>DEF</td> <td>GAIN=2.0; COMPRESSION=N ONE</td> <td></td> <td></td> <td>0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]</td> <td>[1]</td> </tr> </tbody> </table>									#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																			
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]																				
<p><i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i></p>																													



Proposal 14261 - WFC1-2K BIAS EPOCH2 (B1) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

Sat Feb 27 02:01:10 GMT 2016

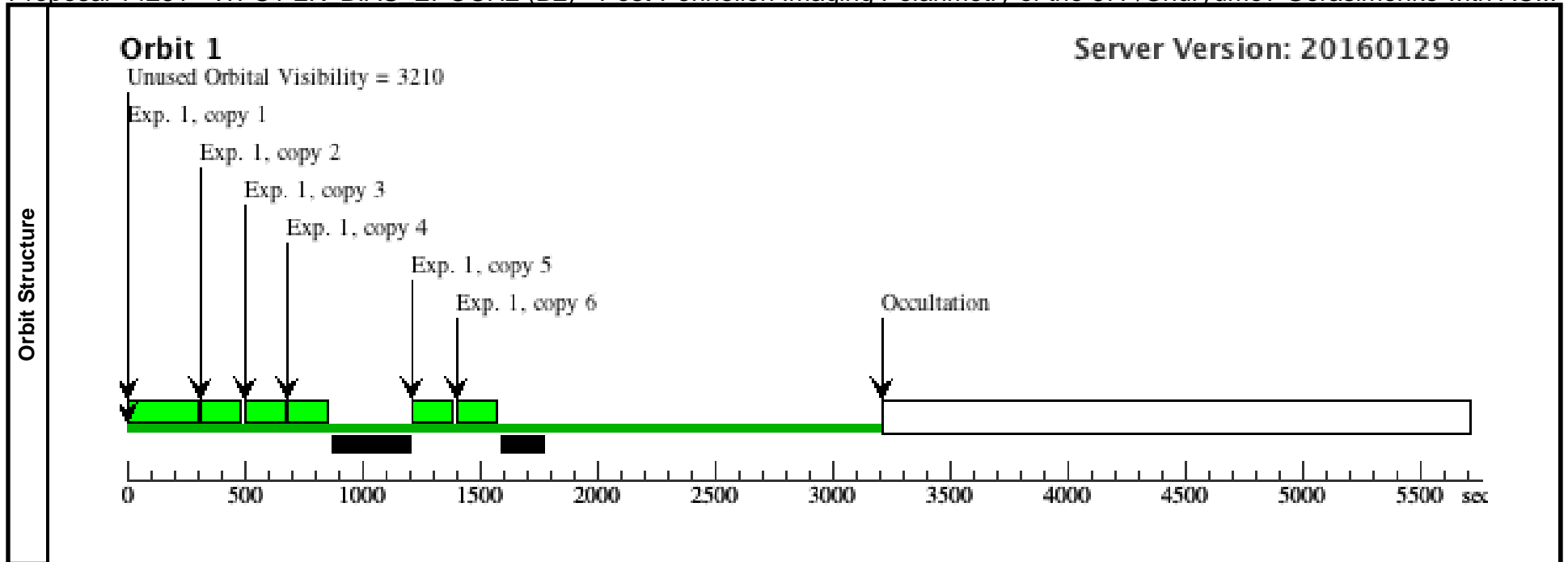
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Exposures		<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BIAS</td> <td>ACS/WFC, ACCUM, WFC1-2K</td> <td>DEF</td> <td>GAIN=2.0; COMPRESSION=N ONE</td> <td></td> <td></td> <td>0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]</td> <td>[1]</td> </tr> </tbody> </table>									#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																			
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]	[1]																				
Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.																													



Proposal 14261 - WFC1-2K BIAS EPOCH2 (B2) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

Sat Feb 27 02:01:11 GMT 2016

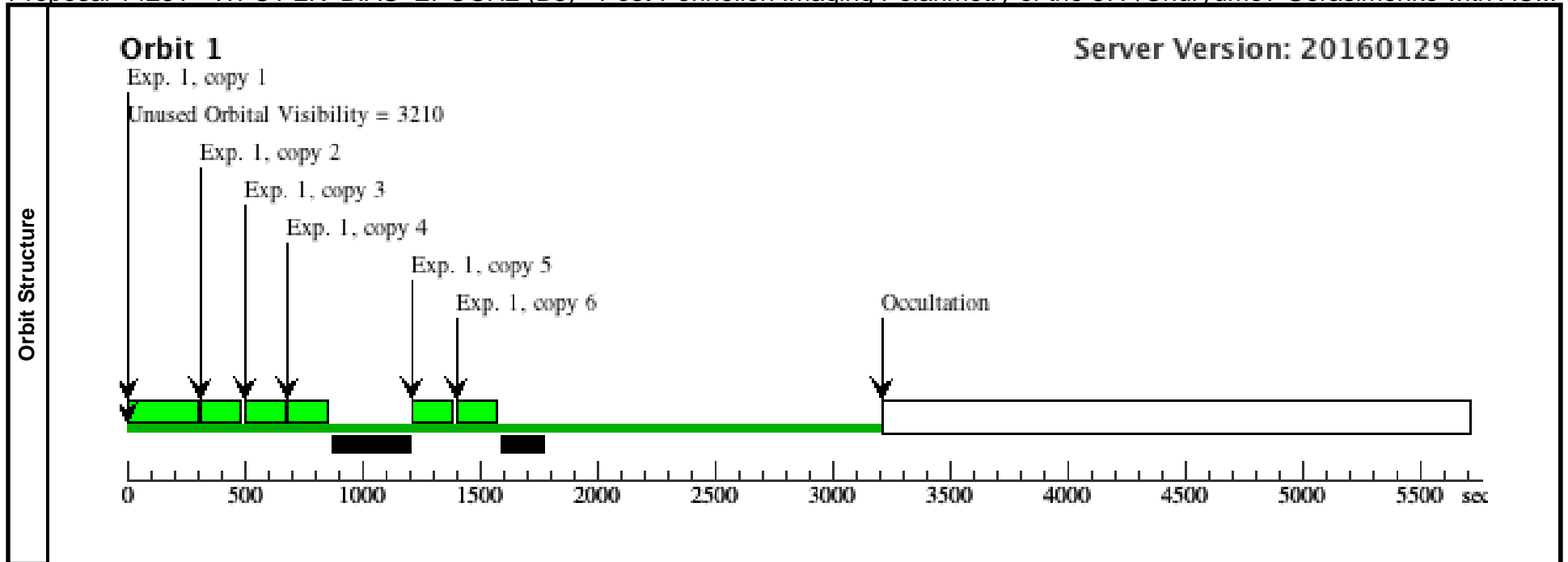
Visit	Proposal 14261, WFC1-2K_BIAS_EPOCH2 (B2), completed									
	Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: (none)									
Diagnostics	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): COMPRESSION is not a valid selection									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): Target BIAS is no longer a valid selection									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): Illegal selection: DEF.									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): Illegal selection: WFC1-2K.									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.									
Exposures	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B2))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.									
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
									[==>(Copy 3)]	
								[==>(Copy 4)]		
								[==>(Copy 5)]		
								[==>(Copy 6)]		
<i>Comments: All visits should be done within one anneal cycle in order to not have to repeat the subarray bias observations.</i>										



Proposal 14261 - WFC1-2K BIAS EPOCH2 (B3) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

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Visit	<p>Proposal 14261, WFC1-2K_BIAS_EPOCH2 (B3), completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: ACS/WFC</p> <p>Special Requirements: (none)</p>																												
	Diagnostics	<p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): Target BIAS is no longer a valid selection</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): Illegal selection: DEF.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): Illegal selection: WFC1-2K.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): This attribute is not allowed to have this value: Aperture = WFC1-2K It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.</p> <p>(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B3))) Error (Form): COMPRESSION is not a valid selection</p>																											
Exposures		<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>BIAS</td> <td>ACS/WFC, ACCUM, WFC1-2K</td> <td>DEF</td> <td>GAIN=2.0; COMPRESSION=N ONE</td> <td></td> <td></td> <td>0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]</td> <td>[1]</td> </tr> </tbody> </table>									#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																			
1		BIAS	ACS/WFC, ACCUM, WFC1-2K	DEF	GAIN=2.0; COMPRESSION=N ONE			0 Secs X 6 (0 Secs) [=>(Copy 1)] [=>(Copy 2)] [=>(Copy 3)] [=>(Copy 4)] [=>(Copy 5)] [=>(Copy 6)]	[1]																				
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Proposal 14261 - WFC1-2K BIAS EPOCH2 (B4) - Post-Perihelion Imaging Polarimetry of the 67P/Churyumov-Gerasimenko with AC...

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Visit	Proposal 14261, WFC1-2K_BIAS_EPOCH2 (B4), completed									
	Diagnostic Status: Error Scientific Instruments: ACS/WFC Special Requirements: GROUP B4,10 WITHIN 14D									
Diagnostics	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B4))) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=DEF This value is by default illegal.									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B4))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION The combination of attributes chosen is illegal.									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B4))) Error (Form): COMPRESSION is not a valid selection									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B4))) Error (Form): This attribute is not allowed to have this value: Calibration_Target = BIAS It is an Available option and cannot normally be used in a GO proposal.									
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	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B4))) Error (Form): Illegal selection: DEF.									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B4))) Error (Form): Target BIAS is no longer a valid selection									
	(Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B4))) Error (Form): Illegal selection: WFC1-2K. (Exposure 1 (WFC1-2K_BIAS_EPOCH2 (B4))) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=COMPRESSION=NONE The combination of attributes chosen is illegal.									
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									[==>(Copy 1)]	
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