



## 14062 - The Fifth and Final Epoch

Cycle: 22, Proposal Category: GO

(Availability Mode: AVAILABLE)

### 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	(7) V-RY-SCO	WFC3/IR WFC3/UVIS	1	17-Jun-2015 08:52:39.0	yes
02	(5) V-YZ-CAR	WFC3/IR WFC3/UVIS	1	17-Jun-2015 08:52:44.0	yes
03	(6) V-VY-CAR	WFC3/IR WFC3/UVIS	1	17-Jun-2015 08:52:48.0	yes
04	(8) V-WZ-SGR (9) V-WZ-SGR-OFF	WFC3/IR WFC3/UVIS	1	17-Jun-2015 08:52:52.0	yes
06	(1) V-S-VUL	WFC3/UVIS	1	17-Jun-2015 08:52:55.0	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>
07	(3) V-X-PUP (4) V-X-PUP-OFF	WFC3/UVIS	1	17-Jun-2015 08:52:58.0	yes
08	(2) V-KN-CEN	WFC3/IR WFC3/UVIS	1	17-Jun-2015 08:53:01.0	yes

7 Total Orbits Used

### **ABSTRACT**

A local measurement of the Hubble Constant with 1-2% precision can resolve recent hints of surprises in the cosmological model involving the nature of dark energy and the claimed presence of a new species of neutrino. Its leverage would be great, equal to nearly doubling the extent of near-term cosmological surveys like DES, BOSS and Pan-STARRS. We are building a new distance ladder to double the current precision of the Hubble constant to <2% by attacking the largest unaddressed obstacle to its determination, the lack of parallaxes of long period Milky Way Cepheids. We have developed a new technique to measure relative astrometry using spatial scanning with WFC3 to reach an unprecedented 30-microarcsecond precision scale for stars and measure parallaxes at 1-4 kiloparsecs. Our first completed measurement shows that a fifth epoch, included as a trial for our first measured parallax, is invaluable for 1) identifying astrometric binaries that can otherwise contaminate the derived Cepheid parallax, 2) fully removing the correlation in error between parallax and proper motion, and 3) improving the Cepheid parallax precision by 25%, equal to a 55% augmentation in the Cepheid sample size, much better than the naive (i.e., root n) expectation, a result of the longer temporal baseline and reduced covariance for proper motion. We propose to add this extra measure of robustness and precision to the 18 parallax measurements nearing completion. With Planck data, this new measurement of the Hubble constant will double the precision of the dark energy equation of state parameter, may reveal a new neutrino species, and would further HST's contribution to a task for which it was made.

Proposal 14062 - rysco - visit 1 (01) - The Fifth and Final Epoch

<b>Visit</b>	<b>Proposal 14062, rysco - visit 1 (01), implementation</b> <span style="float: right;">Wed Jun 17 12:53:04 GMT 2015</span> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 113D TO 113 D; BETWEEN 13-SEP-2015 AND 21-SEP-2015 <i>Comments: same guide stars, orient used in 13334, visit 09</i>				
	<b>Diagnostics</b>	(rysko - visit 1 (01)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING			
(rysko - visit 1 (01)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(rysko - visit 1 (01)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(rysko - visit 1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
(rysko - visit 1 (01)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(rysko - visit 1 (01)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(rysko - visit 1 (01)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>
	(7)	V-RY-SCO	RA: 17 50 52.3433 (267.7180971d) Dec: -33 42 20.42 (-33.70567d) Equinox: J2000		V=8.19
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

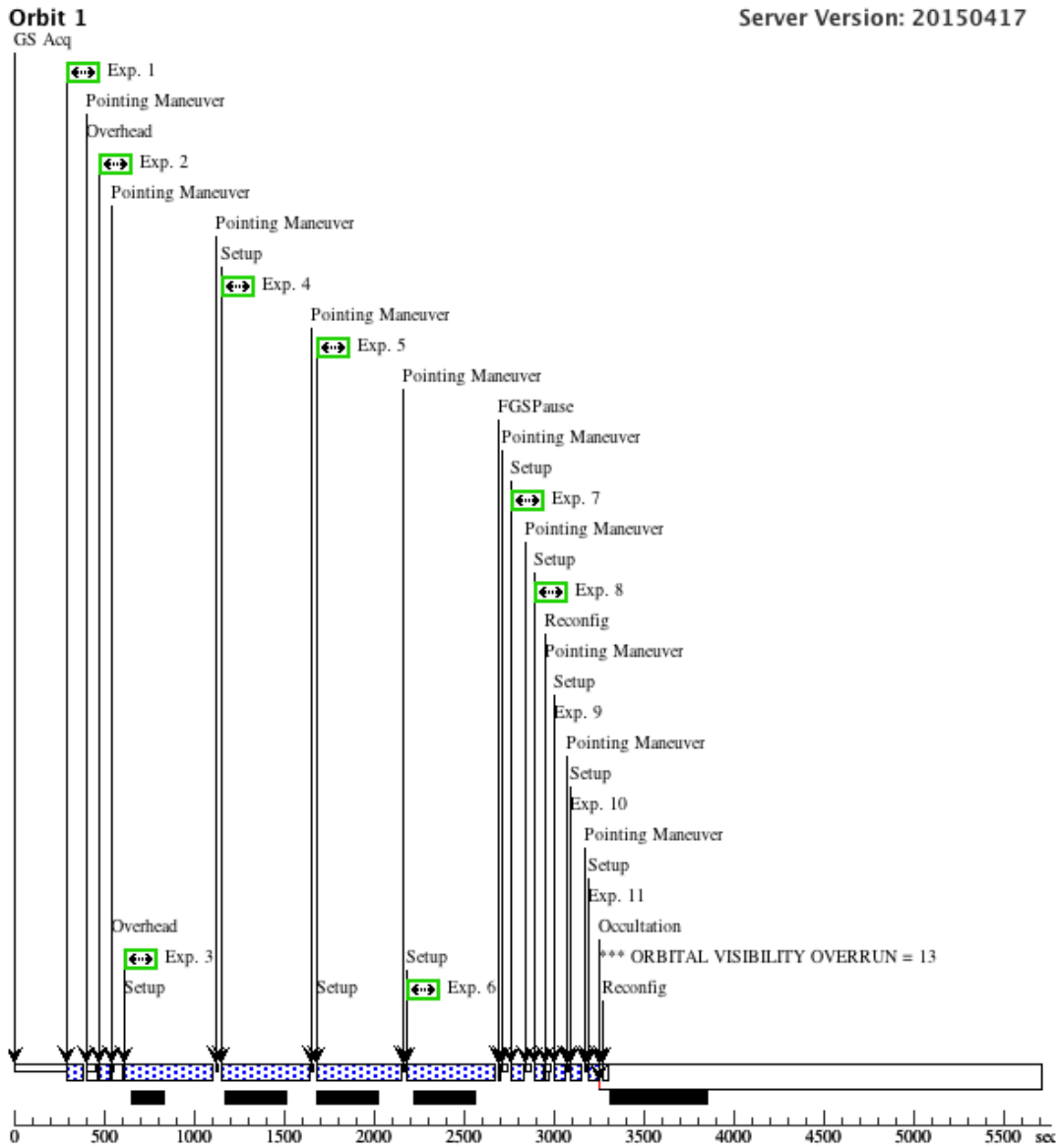
Proposal 14062 - rysco - visit 1 (01) - The Fifth and Final Epoch

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(7) V-RY-SCO	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GSPAIR S8GZ0002 01F1S8GZ077239F2	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	60 Secs (60 Secs) [==>]	[1]
	2	(7) V-RY-SCO	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GS ACQ SCENARIO BASE1B3	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	60 Secs (60 Secs) [==>]	[1]
	3	(7) V-RY-SCO	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Forward	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	350 Secs (350 Secs) [==>]	[1]
	4	(7) V-RY-SCO	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N		POS TARG -3,-75; SPATIAL SCAN 0.4 3,90.05 Degrees,Reverse	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	350 Secs (350 Secs) [==>]	[1]
	5	(7) V-RY-SCO	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N		POS TARG -3,-68; SPATIAL SCAN 0.3 89,90.05 Degrees,Forward	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	350 Secs (350 Secs) [==>]	[1]
	6	(7) V-RY-SCO	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Reverse	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	350 Secs (350 Secs) [==>]	[1]
	7	(7) V-RY-SCO	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	BLADE=A	POS TARG -3,-4.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Reverse; EXP PCS MODE GYRO	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	2.0 Secs (2 Secs) [==>]	[1]
	8	(7) V-RY-SCO	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	BLADE=A	POS TARG -3,-4.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Reverse; EXP PCS MODE GYRO	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	2.0 Secs (2 Secs) [==>]	[1]
	9	(7) V-RY-SCO	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -3,-65; SPATIAL SCAN 7.5 ,90.0 Degrees,Forward; EXP PCS MODE GYRO	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in rysco - visit 1 (01)	10.236324 Secs (10.236 Secs) [==>]	[1]

Proposal 14062 - rysco - visit 1 (01) - The Fifth and Final Epoch

10	(7) V-RY-SCO	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3,-65; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in r ysco - visit 1 (01)	10.236324 Secs (10.236 Secs) [==>]	[1]
11	(7) V-RY-SCO	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -3,-65; SPATIAL SCAN 7.5 ,90.0 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-11 Non-Int in rysco - visit 1 (01) Same Obset in Sequence 1-11 Non-Int in r ysco - visit 1 (01)	10.236324 Secs (10.236 Secs) [==>]	[1]

Orbit Structure



Proposal 14062 - yzcar- visit 1 (02) - The Fifth and Final Epoch

Wed Jun 17 12:53:05 GMT 2015

<b>Visit</b>	<b>Proposal 14062, yzcar- visit 1 (02), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 152.0D TO 152.0 D; BETWEEN 05-JUL-2015 AND 30-JUL-2015 <i>Comments: same guide stars, orient used in 13334, visit 05</i>				
	<b>Diagnostics</b>	(yzcar- visit 1 (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING			
(yzcar- visit 1 (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(yzcar- visit 1 (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(yzcar- visit 1 (02)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
(yzcar- visit 1 (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(yzcar- visit 1 (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(yzcar- visit 1 (02)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT					
(yzcar- visit 1 (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
(yzcar- visit 1 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
(yzcar- visit 1 (02)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>
	(5)	V-YZ-CAR	RA: 10 28 16.8469 (157.0701954d) Dec: -59 21 0.67 (-59.35019d) Equinox: J2000		V=8.69
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
<b>Miscellaneous</b>					
Reference Frame: SIMBAD					

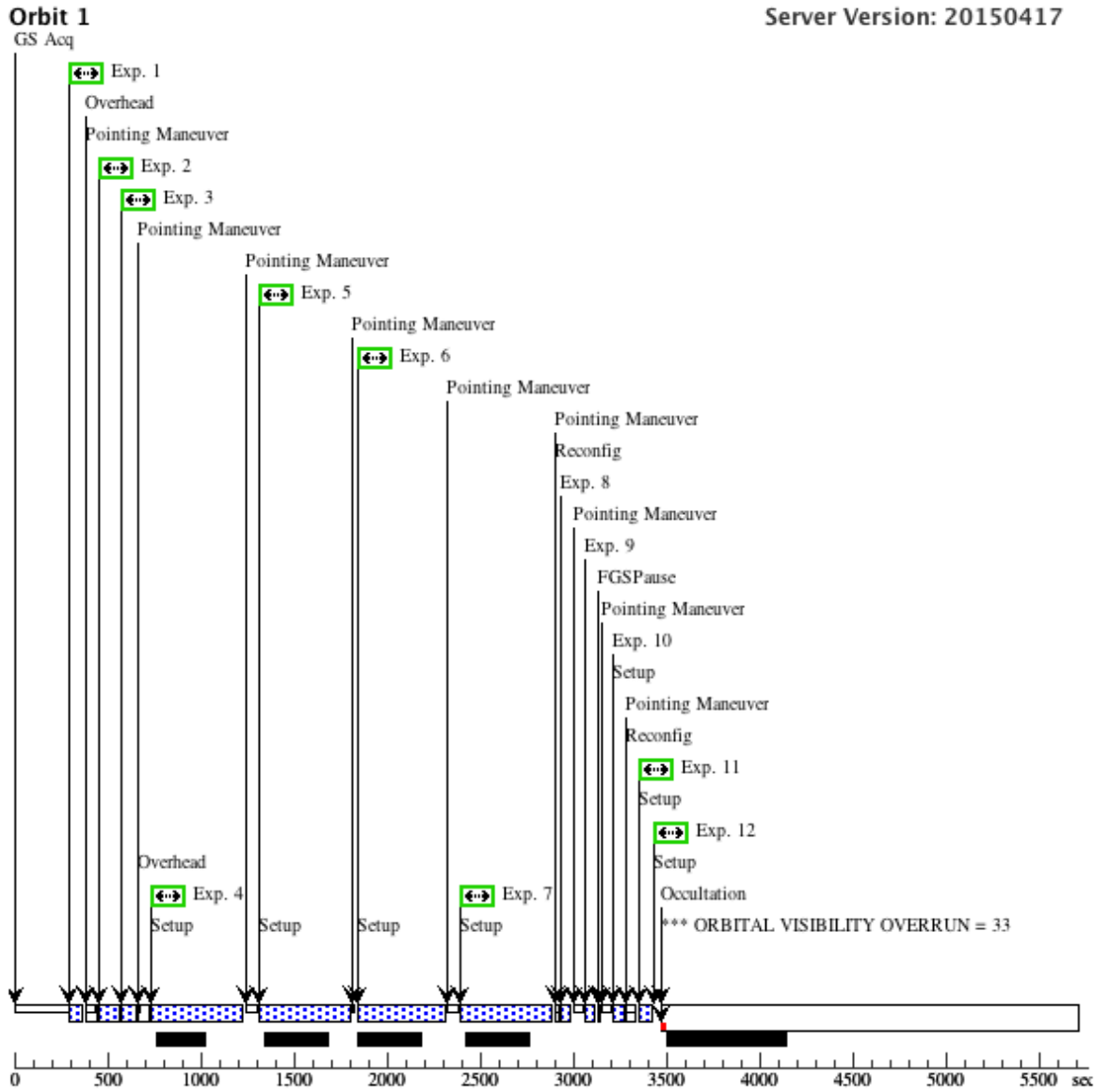
Proposal 14062 - yzcar- visit 1 (02) - The Fifth and Final Epoch

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GSPAIR S4AZ0007 65F1S4AX000763F3 ; GS ACQ SCENARI O BASE1B3	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	40 Secs (40 Secs) [==>]	[1]
	2	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GS ACQ SCENARI O BASE1B3	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	40 Secs (40 Secs) [==>]	[1]
	3	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F410M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GS ACQ SCENARI O BASE1B3	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	50 Secs (50 Secs) [==>]	[1]
	4	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Forward	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	350 Secs (350 Secs) [==>]	[1]
	5	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M		POS TARG -5,-71; SPATIAL SCAN 0.8 6,90.05 Degrees,Forward,4.0 Arcsec,2	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	350 Secs (350 Secs) [==>]	[1]
	6	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M		POS TARG -5,-71; SPATIAL SCAN 0.8 6,90.05 Degrees,Forward,4.0 Arcsec,2	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	350 Secs (350 Secs) [==>]	[1]
	7	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Reverse	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	350 Secs (350 Secs) [==>]	[1]
	8	(5) V-YZ-CAR	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	SAMP-SEQ=STEP2 NSAMP=5	POS TARG null,-60	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	24.229711 Secs (24.23 Secs) [==>]	[1]
	9	(5) V-YZ-CAR	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	SAMP-SEQ=STEP2 NSAMP=5	POS TARG null,60	Sequence 1-12 Non-Int in yzcar- visit 1 (0 2) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	24.229711 Secs (24.23 Secs) [==>]	[1]

Proposal 14062 - yzcar- visit 1 (02) - The Fifth and Final Epoch

10	(5) V-YZ-CAR	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -3,-65; SPATIAL SCAN 7.5 ,90.0 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-12 Non-Int in yzcar- visit 1 (02) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	10.236324 Secs (10.236 Secs) [==>]	[1]
11	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-12 Non-Int in yzcar- visit 1 (02) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	2.5 Secs (2.5 Secs) [==>]	[1]
12	(5) V-YZ-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-12 Non-Int in yzcar- visit 1 (02) Same Obset in Sequence 1-12 Non-Int in yzcar- visit 1 (02)	2.5 Secs (2.5 Secs) [==>]	[1]

Orbit Structure



Proposal 14062 - vycar- visit 1 (03) - The Fifth and Final Epoch

Wed Jun 17 12:53:05 GMT 2015

<b>Visit</b>	<p><b>Proposal 14062, vycar- visit 1 (03), implementation</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: WFC3/IR, WFC3/UVIS</p> <p>Special Requirements: ORIENT 147D TO 147 D; BETWEEN 07-JUL-2015 AND 30-JUL-2015</p> <p><i>Comments: same guide stars, orient used in 13334, visit 07</i></p>					
<b>Diagnostics</b>	<p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(vycar- visit 1 (03)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p>					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(6)	V-VY-CAR	RA: 10 44 32.6912 (161.1362133d) Dec: -57 33 55.32 (-57.56537d) Equinox: J2000		V=7.03	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

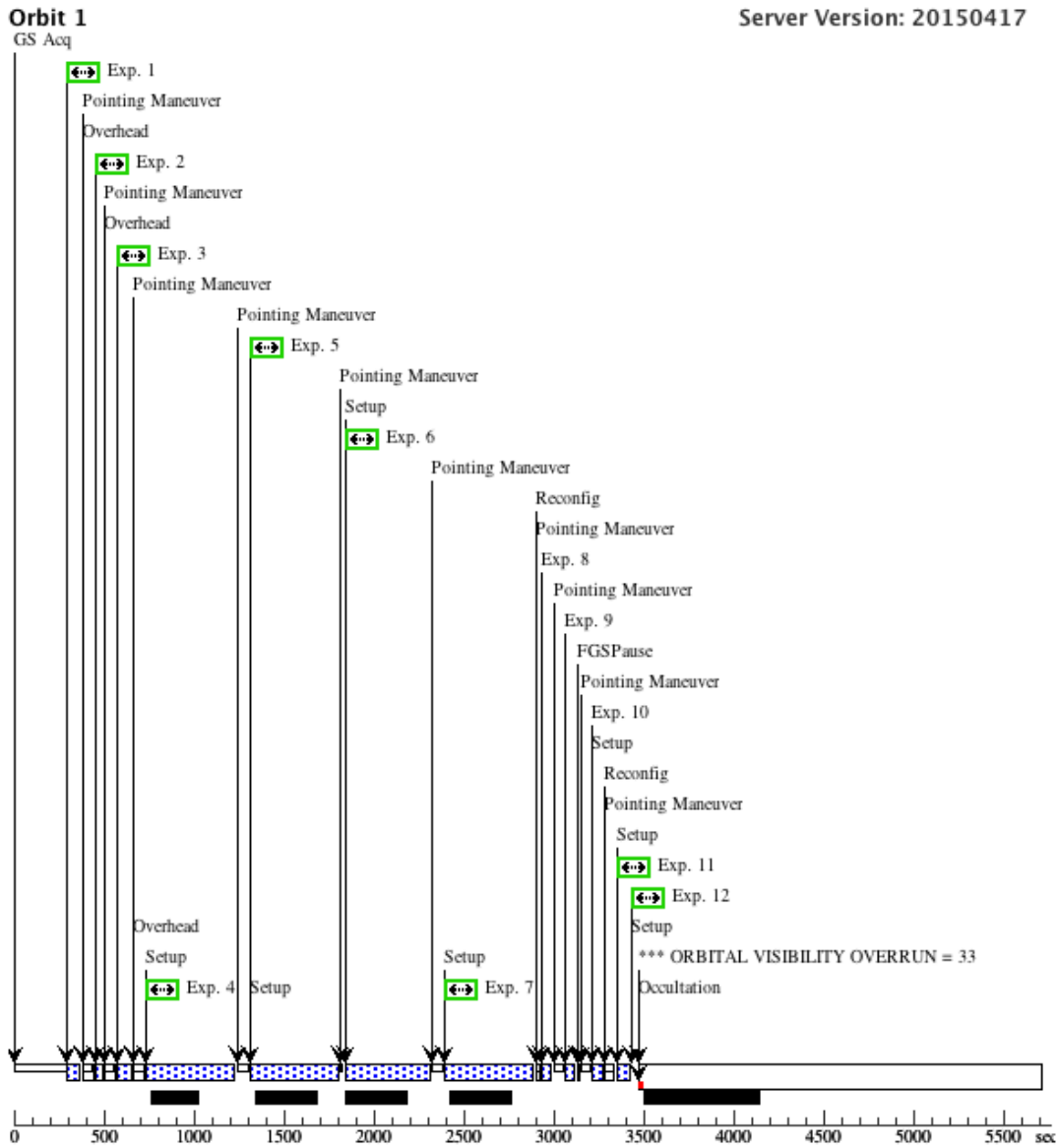
Proposal 14062 - vycar- visit 1 (03) - The Fifth and Final Epoch

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GSPAIR S4C700077 5F1S4C7001113F2	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	40 Secs (40 Secs) [==>]	[1]	
	2	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GS ACQ SCENARIO BASE1B3	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	40 Secs (40 Secs) [==>]	[1]	
	3	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F410M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GS ACQ SCENARIO BASE1B3	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	50 Secs (50 Secs) [==>]	[1]	
	4	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Forward	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	350 Secs (350 Secs) [==>]	[1]	
	5	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N		POS TARG -5,-71; SPATIAL SCAN 0.8 6,90.05 Degrees,Forward,4.0 Arcsec,2	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	350 Secs (350 Secs) [==>]	[1]	
	6	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N		POS TARG -5,-71; SPATIAL SCAN 0.8 6,90.05 Degrees,Forward,4.0 Arcsec,2	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	350 Secs (350 Secs) [==>]	[1]	
	7	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Reverse	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	350 Secs (350 Secs) [==>]	[1]	
	8	(6) V-VY-CAR	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	SAMP-SEQ=STEP2 NSAMP=5	POS TARG null,-60	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	24.229711 Secs (24.23 Secs) [==>]	[1]	
	9	(6) V-VY-CAR	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	SAMP-SEQ=STEP2 NSAMP=5	POS TARG null,60	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	24.229711 Secs (24.23 Secs) [==>]	[1]	

Proposal 14062 - vycar- visit 1 (03) - The Fifth and Final Epoch

10	(6) V-VY-CAR	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -3,-65; SPATIAL SCAN 7.5 ,90.0 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	10.236324 Secs (10.236 Secs) [==>]	[1]
11	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	2.5 Secs (2.5 Secs) [==>]	[1]
12	(6) V-VY-CAR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-12 Non-Int in vycar- visit 1 (03) Same Obset in Sequence 1-12 Non-Int in vycar- visit 1 (03)	2.5 Secs (2.5 Secs) [==>]	[1]

Orbit Structure



Proposal 14062 - wzsgr- visit 1 (04) - The Fifth and Final Epoch

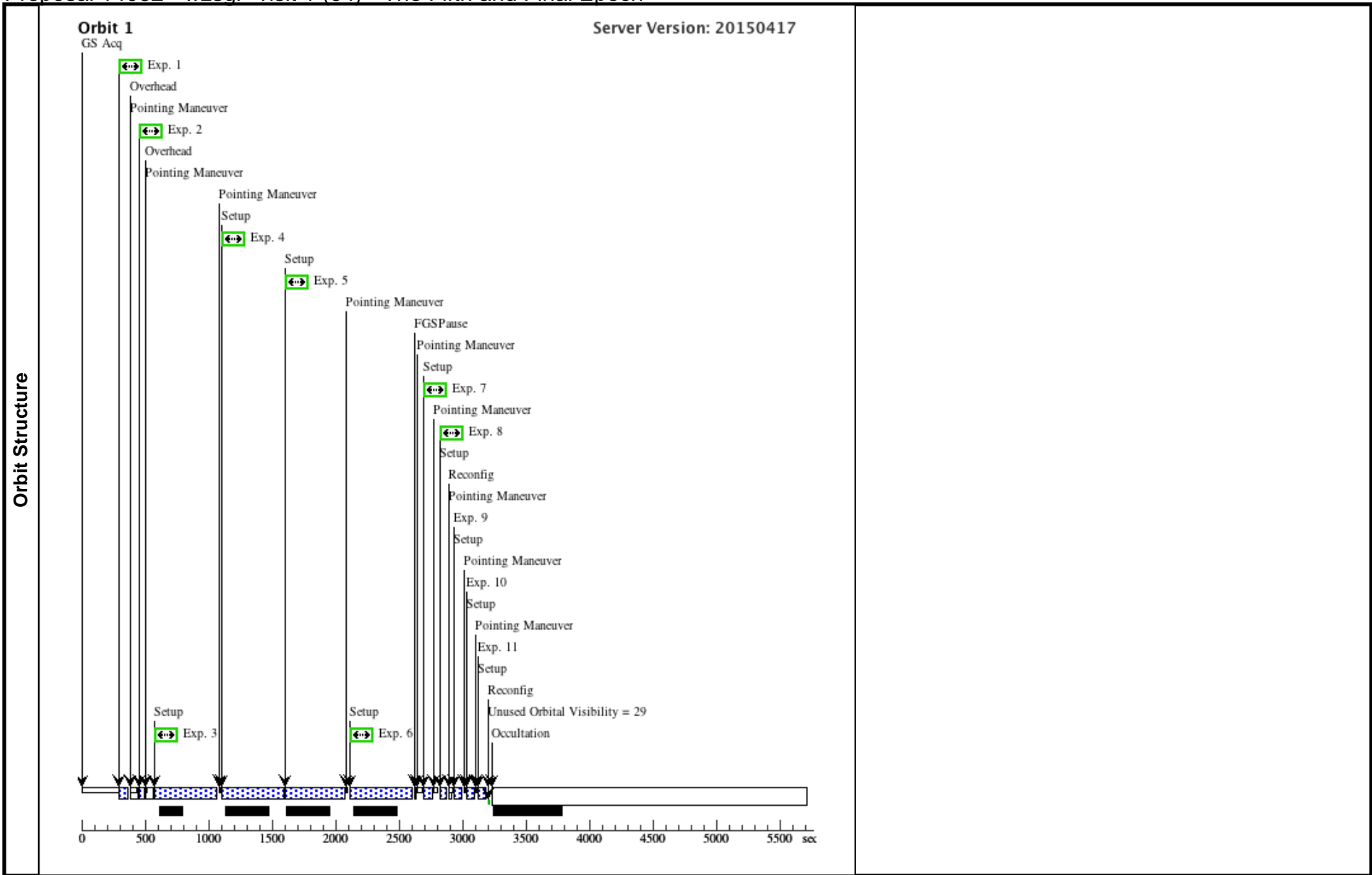
<b>Visit</b>	<b>Proposal 14062, wzsgr- visit 1 (04), implementation</b> <span style="float: right;">Wed Jun 17 12:53:05 GMT 2015</span> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 109D TO 109 D; BETWEEN 21-SEP-2015 AND 30-SEP-2015 <i>Comments: same guide stars, orient used in 13334, visit 13</i>					
	<b>Diagnosics</b> (wzsgr- visit 1 (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (wzsgr- visit 1 (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (wzsgr- visit 1 (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (wzsgr- visit 1 (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (wzsgr- visit 1 (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (wzsgr- visit 1 (04)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(8)	V-WZ-SGR	RA: 18 16 59.7158 (274.2488158d) Dec: -19 04 32.97 (-19.07583d) Equinox: J2000		V=7.85	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	(9)	V-WZ-SGR-OFF	RA: 18 17 2.6000 (274.2608333d) Dec: -19 04 12.00 (-19.07000d) Equinox: J2000		V=7.85	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 14062 - wzsgr- visit 1 (04) - The Fifth and Final Epoch

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(9) V-WZ-SGR-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GSPAIR SA6H0005 07F1SA6H000600F2	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	40 Secs (40 Secs) [==>]	[1]
	2	(9) V-WZ-SGR-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GS ACQ SCENARIO BASE1B3	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	40 Secs (40 Secs) [==>]	[1]
	3	(9) V-WZ-SGR-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Forward	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	350 Secs (350 Secs) [==>]	[1]
	4	(9) V-WZ-SGR-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N		POS TARG -3,-75; SPATIAL SCAN 0.4 3,90.05 Degrees,Reverse	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	348 Secs (348 Secs) [==>]	[1]
	5	(9) V-WZ-SGR-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N		POS TARG -3,-75; SPATIAL SCAN 0.4 3,90.05 Degrees,Forward	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	348 Secs (348 Secs) [==>]	[1]
	6	(9) V-WZ-SGR-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Reverse	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	350 Secs (350 Secs) [==>]	[1]
	7	(8) V-WZ-SGR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	BLADE=A	POS TARG -3,-4.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	2.0 Secs (2 Secs) [==>]	[1]
	8	(8) V-WZ-SGR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	BLADE=A	POS TARG -3,-4.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	2.0 Secs (2 Secs) [==>]	[1]
	9	(8) V-WZ-SGR	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -3,-65; SPATIAL SCAN 7.5 ,90.0 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-11 Non-Int in wzsgr- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsgr- visit 1 (04)	10.236324 Secs (10.236 Secs) [==>]	[1]

Proposal 14062 - wzsg- visit 1 (04) - The Fifth and Final Epoch

10	(8) V-WZ-SGR	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3,-65; SPATIAL SCAN 7.5 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-11 Non-Int in wzsg- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsg- visit 1 (04)	10.236324 Secs (10.236 Secs) [==>]	[1]
11	(8) V-WZ-SGR	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -3,-65; SPATIAL SCAN 7.5 ,90.0 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-11 Non-Int in wzsg- visit 1 (04) Same Obset in Sequence 1-11 Non-Int in wzsg- visit 1 (04)	10.236324 Secs (10.236 Secs) [==>]	[1]



Proposal 14062 - svul - visit 1 (06) - The Fifth and Final Epoch

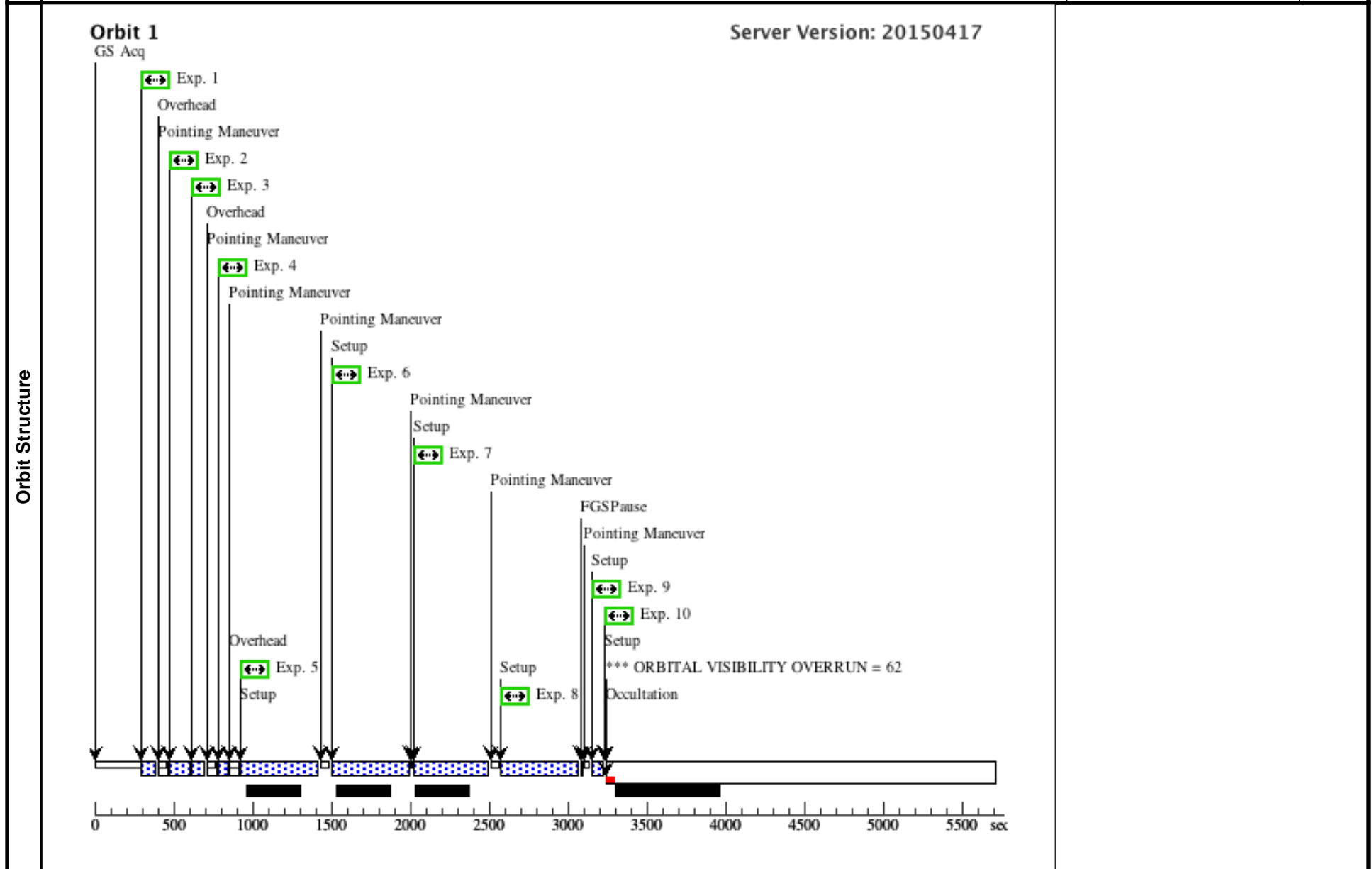
<b>Visit</b>	<b>Proposal 14062, svul - visit 1 (06), implementation</b> <span style="float: right;">Wed Jun 17 12:53:05 GMT 2015</span> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 97D TO 97 D; BETWEEN 25-OCT-2015 AND 01-NOV-2015 <i>Comments: same guide stars, orient used in 13334, visit 03</i>																
	<b>Diagnostics</b>	(svul - visit 1 (06)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING															
(svul - visit 1 (06)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING																	
(svul - visit 1 (06)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING																	
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(svul - visit 1 (06)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING																	
(svul - visit 1 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																	
(svul - visit 1 (06)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING																	
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>V-S-VUL</td> <td>RA: 19 48 23.8067 (297.0991946d) Dec: +27 17 11.39 (27.28650d) Equinox: J2000</td> <td></td> <td>V=9.17</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	V-S-VUL	RA: 19 48 23.8067 (297.0991946d) Dec: +27 17 11.39 (27.28650d) Equinox: J2000		V=9.17	Reference Frame: SIMBAD				
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)	V-S-VUL	RA: 19 48 23.8067 (297.0991946d) Dec: +27 17 11.39 (27.28650d) Equinox: J2000		V=9.17	Reference Frame: SIMBAD												
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>																	

Proposal 14062 - svul - visit 1 (06) - The Fifth and Final Epoch

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS-CENTER	F410M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,72; GSPAIR N2F500196 0F1N2F5002181F2	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	60 Secs (60 Secs) [==>]	[1]
	2	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS-CENTER	F410M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	60 Secs (60 Secs) [==>]	[1]
	3	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	60 Secs (60 Secs) [==>]	[1]
	4	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,72	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	60 Secs (60 Secs) [==>]	[1]
	5	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Forward	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	350 Secs (350 Secs) [==>]	[1]
	6	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M		POS TARG -5,-57; SPATIAL SCAN 0.6 9,90.05 Degrees,Forward,4.0 Arcsec,2	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	350 Secs (350 Secs) [==>]	[1]
	7	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M		POS TARG -5,-57; SPATIAL SCAN 0.6 9,90.05 Degrees,Forward,4.0 Arcsec,2	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	350 Secs (350 Secs) [==>]	[1]
	8	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Reverse	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	350 Secs (350 Secs) [==>]	[1]
	9	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 .90.05 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-10 Non-Int in svul - visit 1 (06) Same Obset in Sequence 1-10 Non-Int in svul - visit 1 (06)	2.5 Secs (2.5 Secs) [==>]	[1]

Proposal 14062 - svul - visit 1 (06) - The Fifth and Final Epoch

10	(1) V-S-VUL	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-10 Non-Int nt in svul - visit 1 (06 ) Same Obset in Sequence 1-10 Non-Int in s vul - visit 1 (06)	2.5 Secs (2.5 Secs) [==>]	[1]
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Proposal 14062 - xpup- visit 1 (07) - The Fifth and Final Epoch

Wed Jun 17 12:53:06 GMT 2015

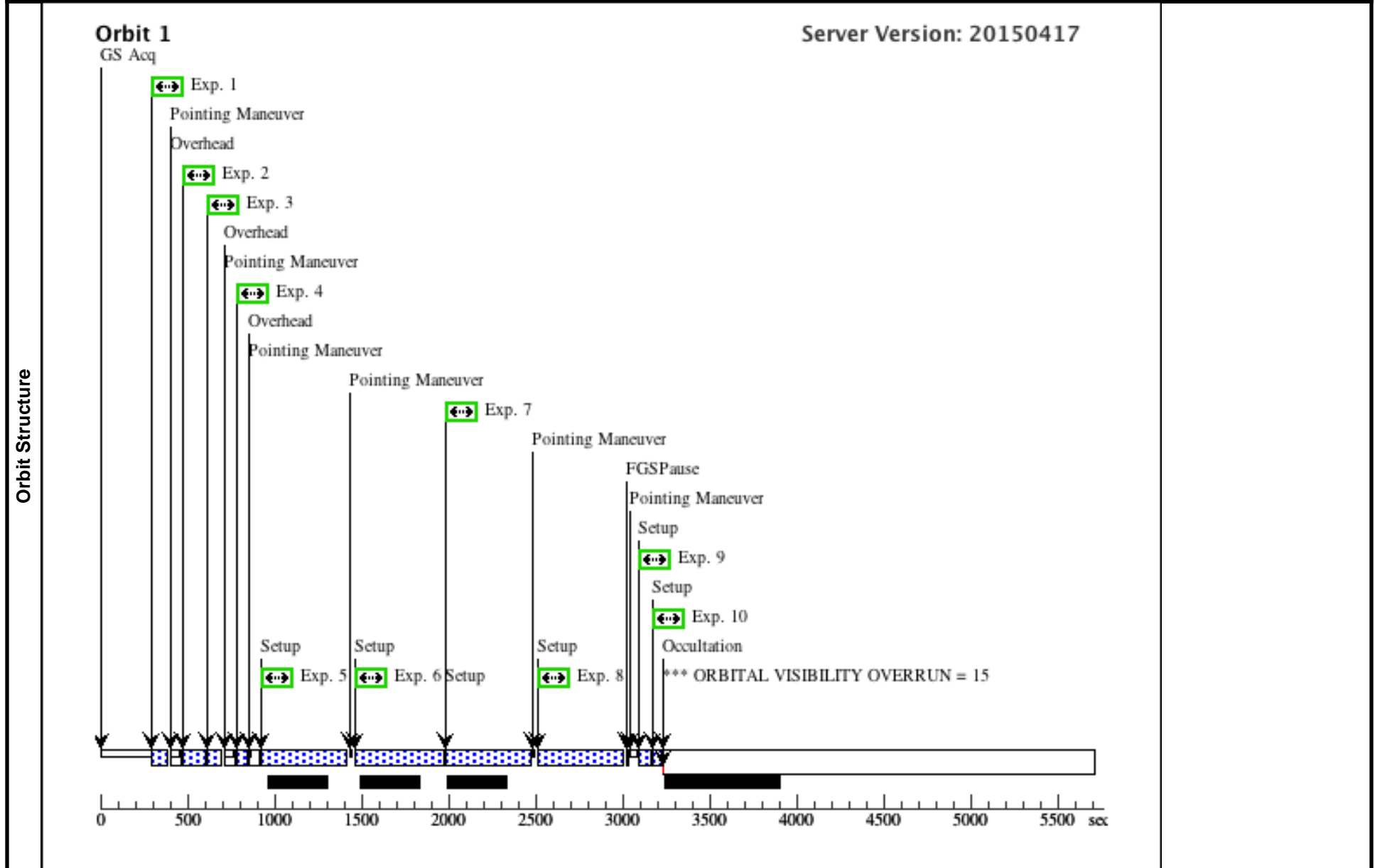
<b>Visit</b>	<p><b>Proposal 14062, xpup- visit 1 (07), implementation</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: ORIENT 302D TO 302 D; BETWEEN 18-OCT-2015 AND 25-OCT-2015</p> <p><i>Comments: same guide stars, orient used in 13334, visit 11</i></p> <p><i>Oct 22 is the optimal day and could go a few days earlier. The light curve rises fast after the 22nd from 9.0 mag to 8.0 mag by Oct 24. Oct 23 should still be no brighter than V=8.5 whereas the F621M, n=2 obs approach saturation at V=8.4 could drop to F673N, n=1 which is ok to V=7.9, but that loss of 0.5 mag depth reduces the small set of ref stars</i></p>					
	<p>(xpup- visit 1 (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(xpup- visit 1 (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(xpup- visit 1 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(xpup- visit 1 (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(xpup- visit 1 (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(xpup- visit 1 (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(xpup- visit 1 (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p> <p>(xpup- visit 1 (07)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING</p>					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(3)	V-X-PUP	RA: 07 32 47.0339 (113.1959746d) Dec: -20 54 34.88 (-20.90969d) Equinox: J2000		V=8.46	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	(4)	V-X-PUP-OFF	RA: 07 32 49.7300 (113.2072083d) Dec: -20 54 20.00 (-20.90556d) Equinox: J2000		V=8.46	Reference Frame: SIMBAD
<i>Comments: position offset from X Pup to get more bright ref stars</i>						

Proposal 14062 - xpup- visit 1 (07) - The Fifth and Final Epoch

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) V-X-PUP-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F410M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72; GSPAIR S3R900066 8F3S3R9001076F1; GS ACQ SCENARIO BASE1B3	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	60 Secs (60 Secs) [==>]	[1]
	2		(4) V-X-PUP-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F410M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,72	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	60 Secs (60 Secs) [==>]	[1]
	3		(4) V-X-PUP-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,72	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	60 Secs (60 Secs) [==>]	[1]
	4		(4) V-X-PUP-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG -3,-72	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	60 Secs (60 Secs) [==>]	[1]
	5		(4) V-X-PUP-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Forward	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	350 Secs (350 Secs) [==>]	[1]
	6		(4) V-X-PUP-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N		POS TARG -3,-65; SPATIAL SCAN 0.3 5,90.05 Degrees,Reverse	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	370 Secs (370 Secs) [==>]	[1]
	7		(4) V-X-PUP-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N		POS TARG -3,-65; SPATIAL SCAN 0.3 5,90.05 Degrees,Forward	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	370 Secs (370 Secs) [==>]	[1]
	8		(4) V-X-PUP-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Reverse	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	350 Secs (350 Secs) [==>]	[1]
	9		(3) V-X-PUP	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 .90.05 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-10 Non-Int in xpup- visit 1 (07) Same Obset in Sequence 1-10 Non-Int in xpup- visit 1 (07)	2.5 Secs (2.5 Secs) [==>]	[1]

Proposal 14062 - xpup- visit 1 (07) - The Fifth and Final Epoch

10	(3) V-X-PUP	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Forw ard; EXP PCS MODE G YRO	Sequence 1-10 Non-Int in xpup- visit 1 (0 7) Same Obset in Seque nce 1-10 Non-Int in xpup- visit 1 (07)	2.5 Secs (2.5 Secs) [==>]	[1]
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Proposal 14062 - kncen - visit 2 (08) - The Fifth and Final Epoch

Wed Jun 17 12:53:06 GMT 2015

<b>Visit</b>	<b>Proposal 14062, kncen - visit 2 (08), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 325.8D TO 325.8 D; BETWEEN 06-FEB-2016 AND 16-FEB-2016 <i>Comments: same guide stars, orient used in 13334, visit 02</i> <i>tweaked orient to avoid bright star</i>																
	<b>Diagnosics</b> (kncen - visit 2 (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (kncen - visit 2 (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (kncen - visit 2 (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (kncen - visit 2 (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING (kncen - visit 2 (08)) Warning (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING																
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>V-KN-CEN</td> <td>RA: 13 36 36.8933 (204.1537221d) Dec: -64 33 29.94 (-64.55832d) Equinox: J2000</td> <td></td> <td>V=9.86</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	V-KN-CEN	RA: 13 36 36.8933 (204.1537221d) Dec: -64 33 29.94 (-64.55832d) Equinox: J2000		V=9.86	Reference Frame: SIMBAD
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(2)	V-KN-CEN	RA: 13 36 36.8933 (204.1537221d) Dec: -64 33 29.94 (-64.55832d) Equinox: J2000		V=9.86	Reference Frame: SIMBAD												
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>																	

Proposal 14062 - kncen - visit 2 (08) - The Fifth and Final Epoch

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS-CENTER	F547M	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG 3,72; GSPAIR S7S100090 2F1S7S1000476F3; GS ACQ SCENARI O BASE1B3	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	60 Secs (60 Secs) [==>]	[1]
	2		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG 3,72	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	60 Secs (60 Secs) [==>]	[1]
	3		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	CR-SPLIT=NO; BIN=2; FLASH=10	POS TARG 3,72	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	60 Secs (60 Secs) [==>]	[1]
	4		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Forward	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	350 Secs (350 Secs) [==>]	[1]
	5		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M		POS TARG 3,-68; SPATIAL SCAN 0.3 89,90.05 Degrees,Reverse	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	350 Secs (350 Secs) [==>]	[1]
	6		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS-CENTER	F621M		POS TARG 3,-68; SPATIAL SCAN 0.3 89,90.05 Degrees,Forward	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	350 Secs (350 Secs) [==>]	[1]
	7		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 3,-72; SPATIAL SCAN 0.4 1,90.05 Degrees,Reverse	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	350 Secs (350 Secs) [==>]	[1]
	8		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Reverse; EXP PCS MODE G YRO	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	2.5 Secs (2.5 Secs) [==>]	[1]
	9		(2) V-KN-CEN	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	BLADE=A	POS TARG -3,-10.0; SPATIAL SCAN 4.0 ,90.05 Degrees,Forward; EXP PCS MODE G YRO	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	2.5 Secs (2.5 Secs) [==>]	[1]

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10	(2) V-KN-CEN	WFC3/IR, MULTIACCUM, GRISM512	F160W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG -3,-65; SPATIAL SCAN 7.5,90.0 Degrees,Forward; EXP PCS MODE GYRO	Sequence 1-10 Non-Int in kncen - visit 2 (08) Same Obset in Sequence 1-10 Non-Int in kncen - visit 2 (08)	10.236324 Secs (10.236 Secs) [==>]	[1]
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