



12336 - Scan Enabled Photometry

Cycle: 18, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. John W. MacKenty (PI) (Contact)	Space Telescope Science Institute	mackenty@stsci.edu
Dr. Susana E. Deustua (CoI) (Contact)	Space Telescope Science Institute	deustua@stsci.edu
Dr. Peter McCullough (CoI)	Space Telescope Science Institute	pmcc@stsci.edu
Dr. Adam Riess (CoI)	Space Telescope Science Institute	ariess@stsci.edu

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) V-ALF-LYR	WFC3/IR	1	12-Nov-2012 21:01:37.0	yes
30	(4) HR-7018 DARK	WFC3/IR	1	12-Nov-2012 21:01:55.0	yes
A3	(4) HR-7018 DARK	WFC3/IR	1	12-Nov-2012 21:02:07.0	yes
02	(1) V-ALF-LYR DARK	WFC3/IR	1	12-Nov-2012 21:02:24.0	yes
03	(1) V-ALF-LYR DARK	WFC3/IR	1	12-Nov-2012 21:02:38.0	yes
04	(1) V-ALF-LYR DARK	WFC3/IR	1	12-Nov-2012 21:02:55.0	yes
10	(2) HD-93521 DARK	WFC3/IR	1	12-Nov-2012 21:03:09.0	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>
20	(3) LTT-15209 DARK	WFC3/IR	1	12-Nov-2012 21:03:21.0	yes
B4	(5) GSC-02581-02323	WFC3/IR	1	12-Nov-2012 21:03:32.0	yes
B5	(5) GSC-02581-02323	WFC3/IR	1	12-Nov-2012 21:03:44.0	yes

10 Total Orbits Used

ABSTRACT

Spectra of Vega and 2 6th mag stars are obtained using spatial scanning in the -1st order and in the +1st order of both WFC3/IR grisms. Two scan rates are used per star, both under gyro scanning control.

OBSERVING DESCRIPTION

Vega's WFC3/IR grism observations use the spatial scan capability of HST. In each orbit, Vega is placed such that the -1st order is located in three separate positions on the Focal Plane Array. The first scan starts at the lower right, the second in the middle and the third in the lower left. For the first scan, the zeroth and +1st order are off the FPA, in the second, the zeroth order is on the detector, and in the third scan the -1st, 0th and +1st orders are imaged on the FPA. The orbits are designed as follows:

- 1) G141, 4.9"/sec, Pos. 1, forward and reverse, Pos 2., forward and reverse, Pos. 3 forward and reverse
- 2) G141, 7.8"/sec, Pos. 1, forward and reverse, Pos 2., forward and reverse, Pos. 3 forward and reverse
- 3) G102, 4.1"/sec, Pos. 1, forward and reverse, Pos 2., forward and reverse, Pos. 3 forward and reverse
- 4) G102, 7.8"/sec, Pos. 1, forward and reverse, Pos 2., forward and reverse, Pos. 3 forward and reverse

Scan rates are 7.8 and 4.9 arcsecond per second for the G141 grism,

and 7.8 and 4.1 arcsecond per second for the G102 grism. The goal is to have fewer than ~50,000 e- per pixel.

A dark is taken at the beginning of each orbit, and before each POS TARG.

Spectra in -1st order, are fainter by ~ 4.68 magnitudes (a factor of 0.015) compared to +1st order (for G141) .

Comparing to the spectra of GJ1214, obtained in Proposal 12325, whose brightest pixel is ~200 e- in 5.97 seconds. This star has a brightness of V=14.67 mag, and a M4.5 spectral type. In the NIR, its brightness (per SIMBAD) is I=11.1, J=9.75, H=9.09 and K=8.68.

Vega is an A0V star, with fluxes of B=0.03, V=0.03, R=0.1, I=0.2, J=-0.18, H=-0.03, K=0.13 (also per SIMBAD). All are given in "vega

Proposal 12336 (STScI Edit Number: 11, Created: Monday, November 12, 2012 9:03:52 PM EST) - Overview magnitudes".

REAL TIME JUSTIFICATION

NA

CALIBRATION JUSTIFICATION

NA

ADDITIONAL COMMENTS

Vega uses 4 orbits to scan at two rates in both grisms.

Two other stars use one 1 orbit each, scanned at two rates and with both orders.

Proposal 12336 - Visit 01 - Scan Enabled Photometry

Tue Nov 13 02:03:52 GMT 2012

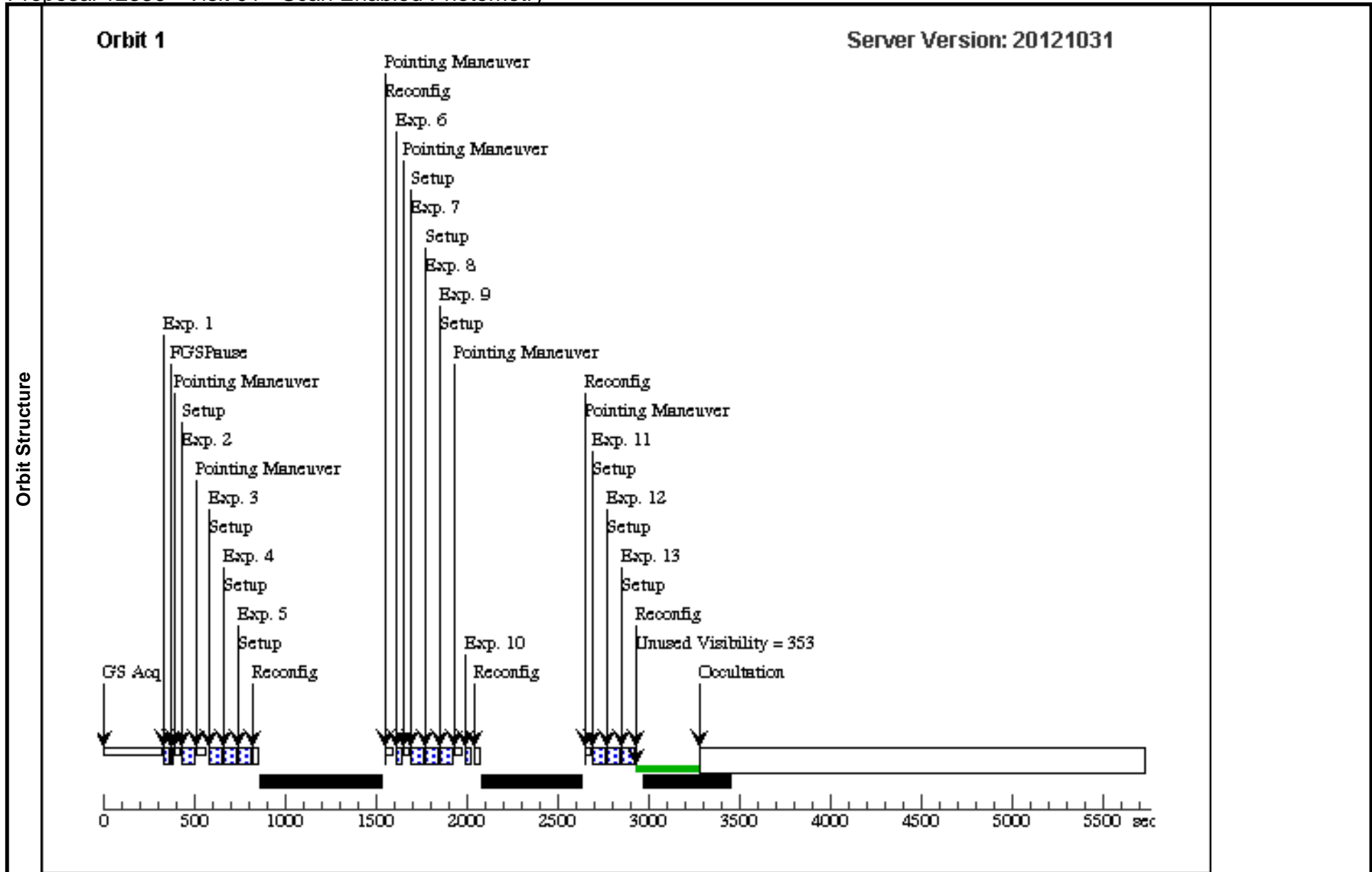
Visit	<p>Proposal 12336, Visit 01, completed</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE</p> <p><i>Comments: This visit use spatial scanning at a rate of 4.9 arcsec/sec for the G141 grism</i></p> <p><i>Scanning is in the forward direction and reverse direction</i></p> <p><i>POS TARGs should place star so that the -1st order is always imaged on the detector.</i></p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	V-ALF-LYR	RA: 18 36 56.3364 (279.2347350d) Dec: +38 47 1.28 (38.78369d) Equinox: J2000	Proper Motion RA: 200.94 mas/yr Proper Motion Dec: 286.23 mas/yr Epoch of Position: 2000	V=0.03	Reference Frame: ICRS
<p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Proper Motions are from the Hipparcos - New Reduction as described in van Leeuwen, 2007, A&A 474, 653-664 (2007). The Epoch is J2000</i></p>						

Proposal 12336 - Visit 01 - Scan Enabled Photometry

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	dark	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=1	POS TARG 62,-62; GS ACQ SCENARI O BASE1B3	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
2	G141-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 66,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
<p><i>Comments: This exposure has the direct image at POSTARG (X,Y) = (66,-63), i.e. just beyond the leftmost edge of the array, to check for possible stray light effects.</i></p>									
3	G141-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 62,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
<p><i>Comments: with a 4.9 arcsec per second scan rate, to cover 800 pixels (i.e. 800 rows) will require 21.22 seconds. This corresponds to SAMPSEQ=RAPID, NSAMP = 7 (20.56 seconds) With the direct image placed in the lower right corner, corresponding POSTARGs for this positions is (X,Y) = (62, -63), the -1st order will be centered ~ X=530 (450-550 pixels range). The 0th order will be near X=820 pixel.</i></p>									
4	G141-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 62,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
5	G141-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 62,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
6	dark	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=1	POS TARG 42.5,-63 ; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
7	G141-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 42,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
<p><i>Comments: This sequence had the direct image placed at about column 840 with POSTARG (42.5, -63) This places the -1st order between roughly columns 300 and 450 The 0th order will fall about column 650 and will saturate. The +1st order will fall between columns 900 and 1024.</i></p>									
8	G141-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 42,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]

Proposal 12336 - Visit 01 - Scan Enabled Photometry

9	G141-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 42,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
10	dark	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=1	POS TARG 15,-63; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
11	G141-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 15,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
<p><i>Comments: this sequence of exposures starts with the direct image at POSTARG (X,Y)= (15, -63). The e-1st order will be on the left, the 0th will be near the center, and the +1st order will be in the right half of the array.</i></p> <p><i>The 0th and +1st orders will saturate.</i></p>									
12	G141-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 15,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]
13	G141-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG 15,-63; SPATIAL SCAN 4.9 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	Sequence 1-13 Non-I nt in Visit 01	[==>]	[1]



Proposal 12336 - Visit 30 - Scan Enabled Photometry

Tue Nov 13 02:03:55 GMT 2012

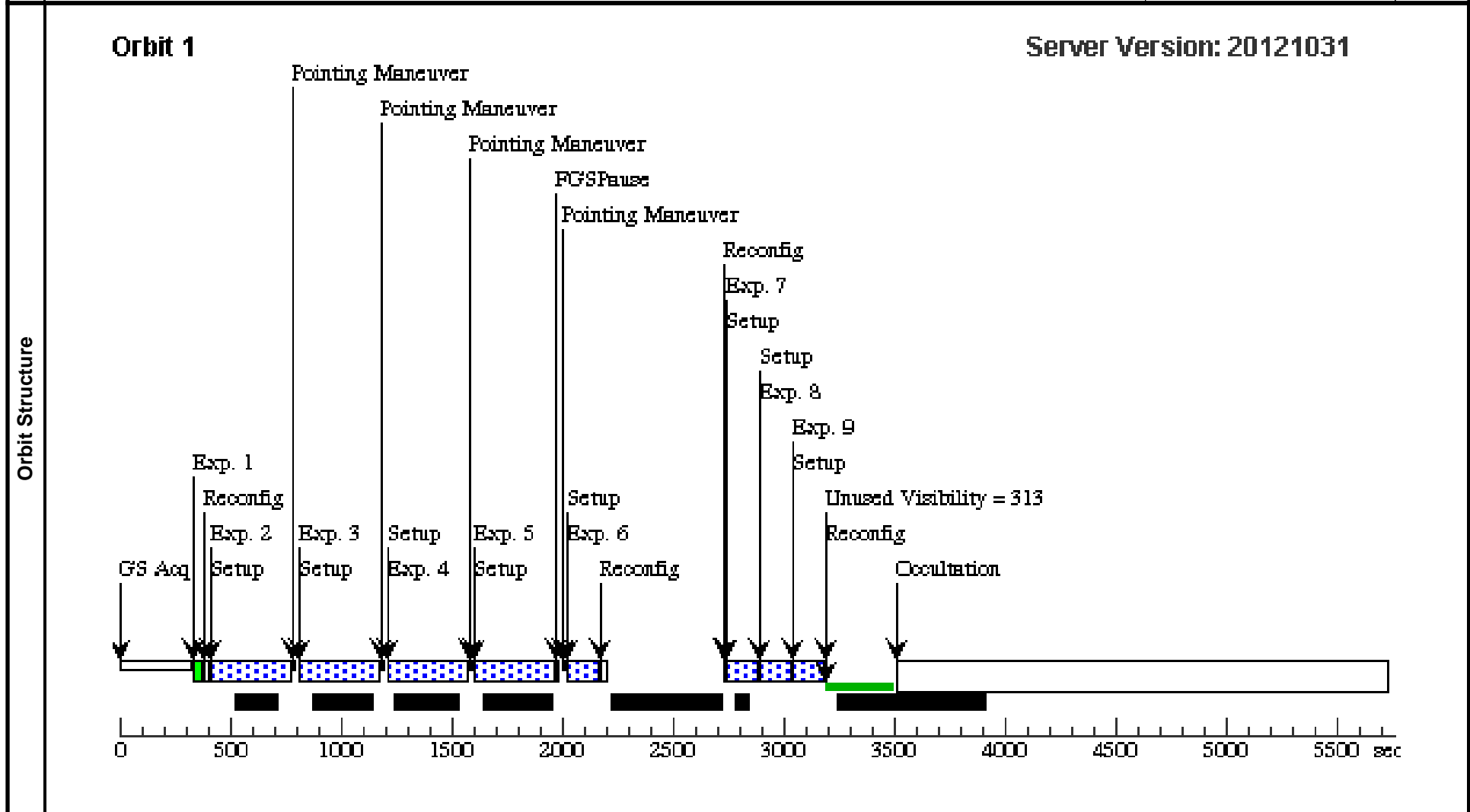
Visit	Proposal 12336, Visit 30, withdrawn Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE																												
Diagnostics	(Visit 30) Warning (Orbit Planner): INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT																												
Fixed Targets	<table 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>(4)</td> <td>HR-7018</td> <td>RA: 18 37 33.5001 (279.3895838d)</td> <td>Proper Motion RA: -8.79 mas/yr</td> <td>V=5.74</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HD172728</td> <td>Dec: +62 31 35.72 (62.52659d)</td> <td>Proper Motion Dec: 51.61 mas/yr</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Proper Motions are from SIMBAD, based on Van Leeuwen, 2007, A&A...474..653, hipparcos.</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	HR-7018	RA: 18 37 33.5001 (279.3895838d)	Proper Motion RA: -8.79 mas/yr	V=5.74	Reference Frame: ICRS		Alt Name1: HD172728	Dec: +62 31 35.72 (62.52659d)	Proper Motion Dec: 51.61 mas/yr					Equinox: J2000	Epoch of Position: 2000						
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																								
(4)	HR-7018	RA: 18 37 33.5001 (279.3895838d)	Proper Motion RA: -8.79 mas/yr	V=5.74	Reference Frame: ICRS																								
	Alt Name1: HD172728	Dec: +62 31 35.72 (62.52659d)	Proper Motion Dec: 51.61 mas/yr																										
		Equinox: J2000	Epoch of Position: 2000																										

Proposal 12336 - Visit 30 - Scan Enabled Photometry

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	NSAMP=3; SAMP-SEQ=RAPID		Sequence 1-9 Non-Int in Visit 30	[==>]	[1]
2	G102 - HR7128, 1st order lower right, -1st lower left, slow, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS25; NSAMP=14	POS TARG 23,-60; SPATIAL SCAN 0.0 2,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-9 Non-Int in Visit 30	[==>]	[1]
3	G102 - HR7128, 1st order lower right, -1st lower left, slow, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS25; NSAMP=14	POS TARG 23,-60; SPATIAL SCAN 0.0 2,90.0 Degrees,Forward; EXP PCS MODE FINE	Sequence 1-9 Non-Int in Visit 30	[==>]	[1]
4	G141 - HR7128, 1st order lower right, -1st lower left, slow, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS25; NSAMP=14	POS TARG 23,-60; SPATIAL SCAN 0.0 2,90.0 Degrees,Forward; EXP PCS MODE FINE; GS ACQ SCENARIO BASE1B3	Sequence 1-9 Non-Int in Visit 30	[==>]	[1]
5	G141 - HR7128, 1st order lower right, -1st lower left, slow, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS25; NSAMP=14	POS TARG 23,-60; SPATIAL SCAN 0.0 2,90.0 Degrees,Forward; EXP PCS MODE FINE; GS ACQ SCENARIO BASE1B3	Sequence 1-9 Non-Int in Visit 30	[==>]	[1]
6	G141 - HR7128, 1st order lower right, -1st order lower left, fast, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS10; NSAMP=11	POS TARG 23,-60; SPATIAL SCAN 1.0 7,90.0 Degrees,Forward; EXP PCS MODE GYRO	Sequence 1-9 Non-Int in Visit 30	[==>]	[1]
7	G141 - HR7128, 1st order lower right, -1st lower left, fast, reverse	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS10; NSAMP=11	POS TARG 23,-60; SPATIAL SCAN 1.0 7,90.0 Degrees,Reverse; EXP PCS MODE GYRO	Sequence 1-9 Non-Int in Visit 30	[==>]	[1]
8	G102- HR7128, 1st order lower right, -1st order lower left, fast, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS10; NSAMP=11	POS TARG 23,-60; SPATIAL SCAN 1.0 7,90.0 Degrees,Forward; EXP PCS MODE GYRO	Sequence 1-9 Non-Int in Visit 30	[==>]	[1]

Proposal 12336 - Visit 30 - Scan Enabled Photometry

9	G102- HR71 (4) HR-7018 28, 1st order lower right, -1st order lo wer left, fast ,reverse	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 10; NSAMP=11	POS TARG 23,-60; SPATIAL SCAN 1.0 7,90.0 Degrees,Reve rse; EXP PCS MODE G YRO	Sequence 1-9 Non-In t in Visit 30 [==>]	[1]
---	--	-------------------------	------	-----------------------------------	--	---	-----



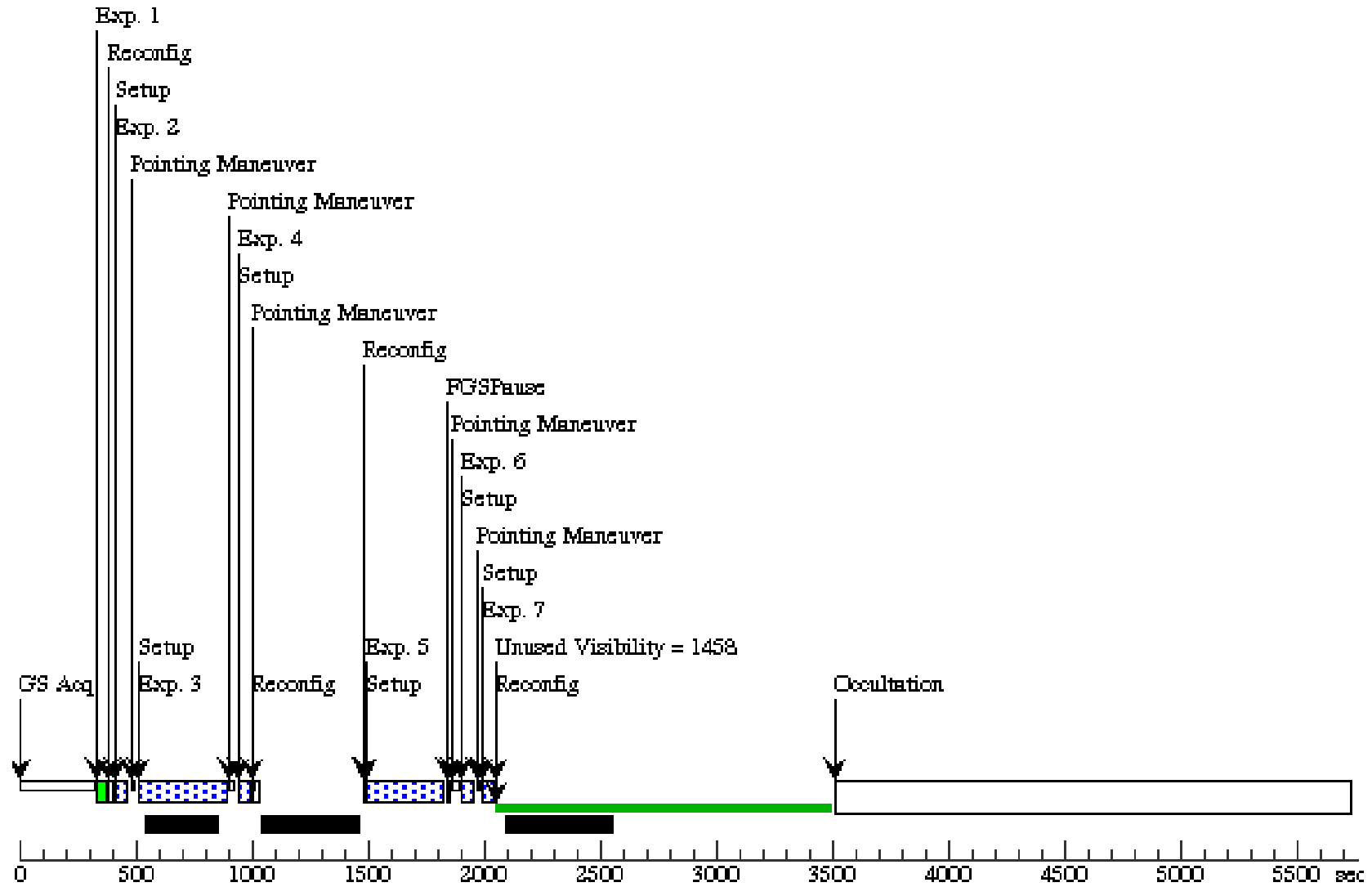
Proposal 12336 - Visit A3 - Scan Enabled Photometry

Tue Nov 13 02:03:57 GMT 2012

Visit	Proposal 12336, Visit A3, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE <i>Comments: copy of visit 30, with changes to scan rates. replaces Visit 30. It is ready to schedule.</i>																																																																																
	Fixed Targets	<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>(4)</td> <td>HR-7018</td> <td>RA: 18 37 33.5001 (279.3895838d)</td> <td>Proper Motion RA: -8.79 mas/yr</td> <td>V=5.74</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: HD172728</td> <td>Dec: +62 31 35.72 (62.52659d)</td> <td>Proper Motion Dec: 51.61 mas/yr</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Proper Motions are from SIMBAD, based on Van Leeuwen, 2007, A&A...474..653, hipparcos.</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	HR-7018	RA: 18 37 33.5001 (279.3895838d)	Proper Motion RA: -8.79 mas/yr	V=5.74	Reference Frame: ICRS		Alt Name1: HD172728	Dec: +62 31 35.72 (62.52659d)	Proper Motion Dec: 51.61 mas/yr					Equinox: J2000	Epoch of Position: 2000																																																									
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																																												
(4)	HR-7018	RA: 18 37 33.5001 (279.3895838d)	Proper Motion RA: -8.79 mas/yr	V=5.74	Reference Frame: ICRS																																																																												
	Alt Name1: HD172728	Dec: +62 31 35.72 (62.52659d)	Proper Motion Dec: 51.61 mas/yr																																																																														
		Equinox: J2000	Epoch of Position: 2000																																																																														
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/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>dark</td> <td>DARK</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>BLANK</td> <td>NSAMP=3; SAMP-SEQ=RAPID</td> <td></td> <td>Sequence 1-7 Non-Int in Visit A3</td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G102 - HR7018, 1st order lower right, -1st lower left, slow, forward</td> <td>(4) HR-7018</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>G102</td> <td>SAMP-SEQ=RAPID; NSAMP=8</td> <td>POS TARG 23,-44; SPATIAL SCAN 0.5 82,90.0 Degrees, Forward; GS ACQ SCENARIO BASE1B3</td> <td>Sequence 1-7 Non-Int in Visit A3</td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G102 - HR7018, 1st order lower right, -1st lower left, slowest, forward</td> <td>(4) HR-7018</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>G102</td> <td>SAMP-SEQ=SPARS 25; NSAMP=15</td> <td>POS TARG 23,-28; SPATIAL SCAN 0.0 3,90.0 Degrees, Forward</td> <td>Sequence 1-7 Non-Int in Visit A3</td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>G141 - HR7018, 1st order lower right, -1st lower left, slow, forward</td> <td>(4) HR-7018</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>G141</td> <td>SAMP-SEQ=RAPID; NSAMP=6</td> <td>POS TARG 23,4; SPATIAL SCAN 0.7 111,90.0 Degrees, Forward</td> <td>Sequence 1-7 Non-Int in Visit A3</td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>G141 - HR7018, 1st order lower right, -1st lower left, slowest, forward</td> <td>(4) HR-7018</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>G141</td> <td>SAMP-SEQ=SPARS 25; NSAMP=13</td> <td>POS TARG 23,20; SPATIAL SCAN 0.0 4,90.0 Degrees, Forward</td> <td>Sequence 1-7 Non-Int in Visit A3</td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>6</td> <td>G102 - HR7018, 1st order lower right, -1st order lower left, fast, forward</td> <td>(4) HR-7018</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>G102</td> <td>SAMP-SEQ=RAPID; NSAMP=4</td> <td>POS TARG 23,-60; SPATIAL SCAN 1.5 14,90.0 Degrees, Forward; EXP PCS MODE GYRO</td> <td>Sequence 1-7 Non-Int in Visit A3</td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>7</td> <td>G141 - HR7018, 1st order lower right, -1st order lower left, fast, forward</td> <td>(4) HR-7018</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>G141</td> <td>SAMP-SEQ=RAPID; NSAMP=3</td> <td>POS TARG 23,-12; SPATIAL SCAN 1.9 27,90.0 Degrees, Forward; EXP PCS MODE GYRO</td> <td>Sequence 1-7 Non-Int in Visit A3</td> <td>[==>]</td> <td>[1]</td> </tr> </tbody> </table>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	1	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	NSAMP=3; SAMP-SEQ=RAPID		Sequence 1-7 Non-Int in Visit A3	[==>]	[1]	2	G102 - HR7018, 1st order lower right, -1st lower left, slow, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID; NSAMP=8	POS TARG 23,-44; SPATIAL SCAN 0.5 82,90.0 Degrees, Forward; GS ACQ SCENARIO BASE1B3	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]	3	G102 - HR7018, 1st order lower right, -1st lower left, slowest, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 23,-28; SPATIAL SCAN 0.0 3,90.0 Degrees, Forward	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]	4	G141 - HR7018, 1st order lower right, -1st lower left, slow, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID; NSAMP=6	POS TARG 23,4; SPATIAL SCAN 0.7 111,90.0 Degrees, Forward	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]	5	G141 - HR7018, 1st order lower right, -1st lower left, slowest, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=13	POS TARG 23,20; SPATIAL SCAN 0.0 4,90.0 Degrees, Forward	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]	6	G102 - HR7018, 1st order lower right, -1st order lower left, fast, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID; NSAMP=4	POS TARG 23,-60; SPATIAL SCAN 1.5 14,90.0 Degrees, Forward; EXP PCS MODE GYRO	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]	7	G141 - HR7018, 1st order lower right, -1st order lower left, fast, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID; NSAMP=3	POS TARG 23,-12; SPATIAL SCAN 1.9 27,90.0 Degrees, Forward; EXP PCS MODE GYRO	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit																																																																								
1	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	NSAMP=3; SAMP-SEQ=RAPID		Sequence 1-7 Non-Int in Visit A3	[==>]	[1]																																																																								
2	G102 - HR7018, 1st order lower right, -1st lower left, slow, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID; NSAMP=8	POS TARG 23,-44; SPATIAL SCAN 0.5 82,90.0 Degrees, Forward; GS ACQ SCENARIO BASE1B3	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]																																																																								
3	G102 - HR7018, 1st order lower right, -1st lower left, slowest, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 23,-28; SPATIAL SCAN 0.0 3,90.0 Degrees, Forward	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]																																																																								
4	G141 - HR7018, 1st order lower right, -1st lower left, slow, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID; NSAMP=6	POS TARG 23,4; SPATIAL SCAN 0.7 111,90.0 Degrees, Forward	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]																																																																								
5	G141 - HR7018, 1st order lower right, -1st lower left, slowest, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=13	POS TARG 23,20; SPATIAL SCAN 0.0 4,90.0 Degrees, Forward	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]																																																																								
6	G102 - HR7018, 1st order lower right, -1st order lower left, fast, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID; NSAMP=4	POS TARG 23,-60; SPATIAL SCAN 1.5 14,90.0 Degrees, Forward; EXP PCS MODE GYRO	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]																																																																								
7	G141 - HR7018, 1st order lower right, -1st order lower left, fast, forward	(4) HR-7018	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID; NSAMP=3	POS TARG 23,-12; SPATIAL SCAN 1.9 27,90.0 Degrees, Forward; EXP PCS MODE GYRO	Sequence 1-7 Non-Int in Visit A3	[==>]	[1]																																																																								

Orbit Structure

Orbit 1



Proposal 12336 - Visit 02 - Scan Enabled Photometry

Tue Nov 13 02:03:58 GMT 2012

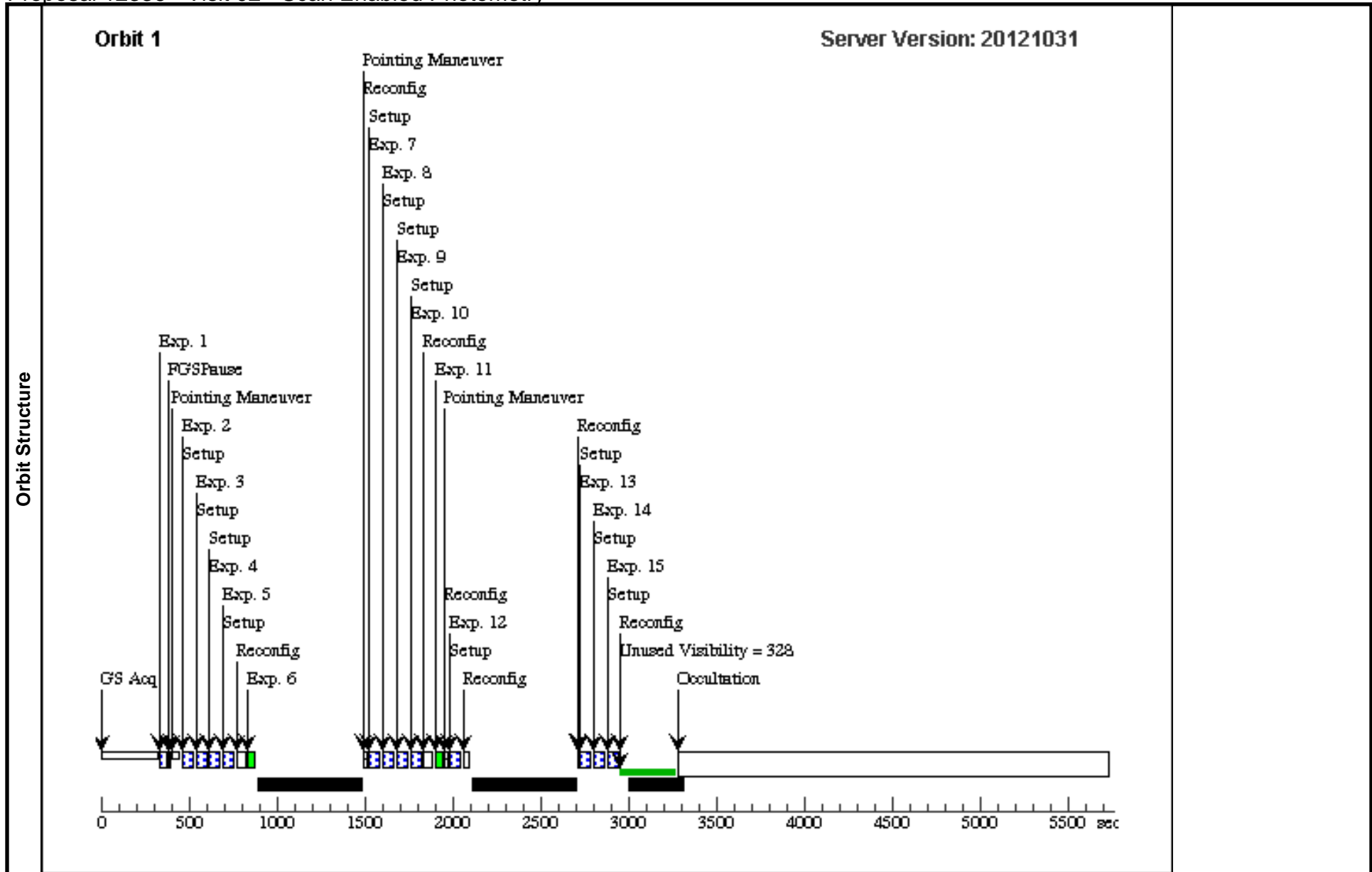
Visit	<p>Proposal 12336, Visit 02, completed</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: (none)</p> <p><i>Comments: This visit use spatial scanning at a rate of 6 arcsec/sec for the G141 grism</i></p> <p><i>Scanning is in the forward and reverse directions</i></p> <p><i>POS TARGs should place star so that the -1st order is always imaged on the detector</i></p> <p><i>Please don't schedule until we've looked at results from Visit 01 and Visit 30.</i></p> <p><i>this is ready to schedule (25 April 2012, deustua)</i></p>												
	Fixed Targets	<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-ALF-LYR</td> <td>RA: 18 36 56.3364 (279.2347350d) Dec: +38 47 1.28 (38.78369d) Equinox: J2000</td> <td>Proper Motion RA: 200.94 mas/yr Proper Motion Dec: 286.23 mas/yr Epoch of Position: 2000</td> <td>V=0.03</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>Proper Motions are from the Hipparcos - New Reduction as described in van Leeuwen, 2007, A&A 474, 653-664 (2007). The Epoch is J2000</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	V-ALF-LYR	RA: 18 36 56.3364 (279.2347350d) Dec: +38 47 1.28 (38.78369d) Equinox: J2000	Proper Motion RA: 200.94 mas/yr Proper Motion Dec: 286.23 mas/yr Epoch of Position: 2000	V=0.03
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(1)	V-ALF-LYR	RA: 18 36 56.3364 (279.2347350d) Dec: +38 47 1.28 (38.78369d) Equinox: J2000	Proper Motion RA: 200.94 mas/yr Proper Motion Dec: 286.23 mas/yr Epoch of Position: 2000	V=0.03	Reference Frame: ICRS								

Proposal 12336 - Visit 02 - Scan Enabled Photometry

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	dark	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=4			[==>]	[1]
2	G141-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 66,-63; SPATIAL SCAN 7.2 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		[==>]	[1]
3	G141-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 66,-63; SPATIAL SCAN 7.2 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO		[==>]	[1]
4	G141-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 66,-63; SPATIAL SCAN 7.2 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		[==>]	[1]
5	G141-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 66,-63; SPATIAL SCAN 7.2 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO		[==>]	[1]
6	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=4			[==>]	[1]
7	G141-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 42,-63; SPATIAL SCAN 7.2 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		[==>]	[1]
8	G141-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 42,-63; SPATIAL SCAN 7.2 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO		[==>]	[1]
9	G141-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 42,-63; SPATIAL SCAN 7.2 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		[==>]	[1]

Proposal 12336 - Visit 02 - Scan Enabled Photometry

10	G141-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 42,-63; SPATIAL SCAN 7.2 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	[==>]	[1]
11	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=4		[==>]	[1]
12	G141-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 15,-60; SPATIAL SCAN 7.2 ,90.0 Degrees,Forward; EXP PCS MODE G YRO	[==>]	[1]
13	G141-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 15,-60; SPATIAL SCAN 7.2 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	[==>]	[1]
14	G141-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 15,-60; SPATIAL SCAN 7.2 ,90.0 Degrees,Forward; EXP PCS MODE G YRO	[==>]	[1]
15	G141-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG 15,-60; SPATIAL SCAN 7.2 ,90.0 Degrees,Reverse; EXP PCS MODE G YRO	[==>]	[1]

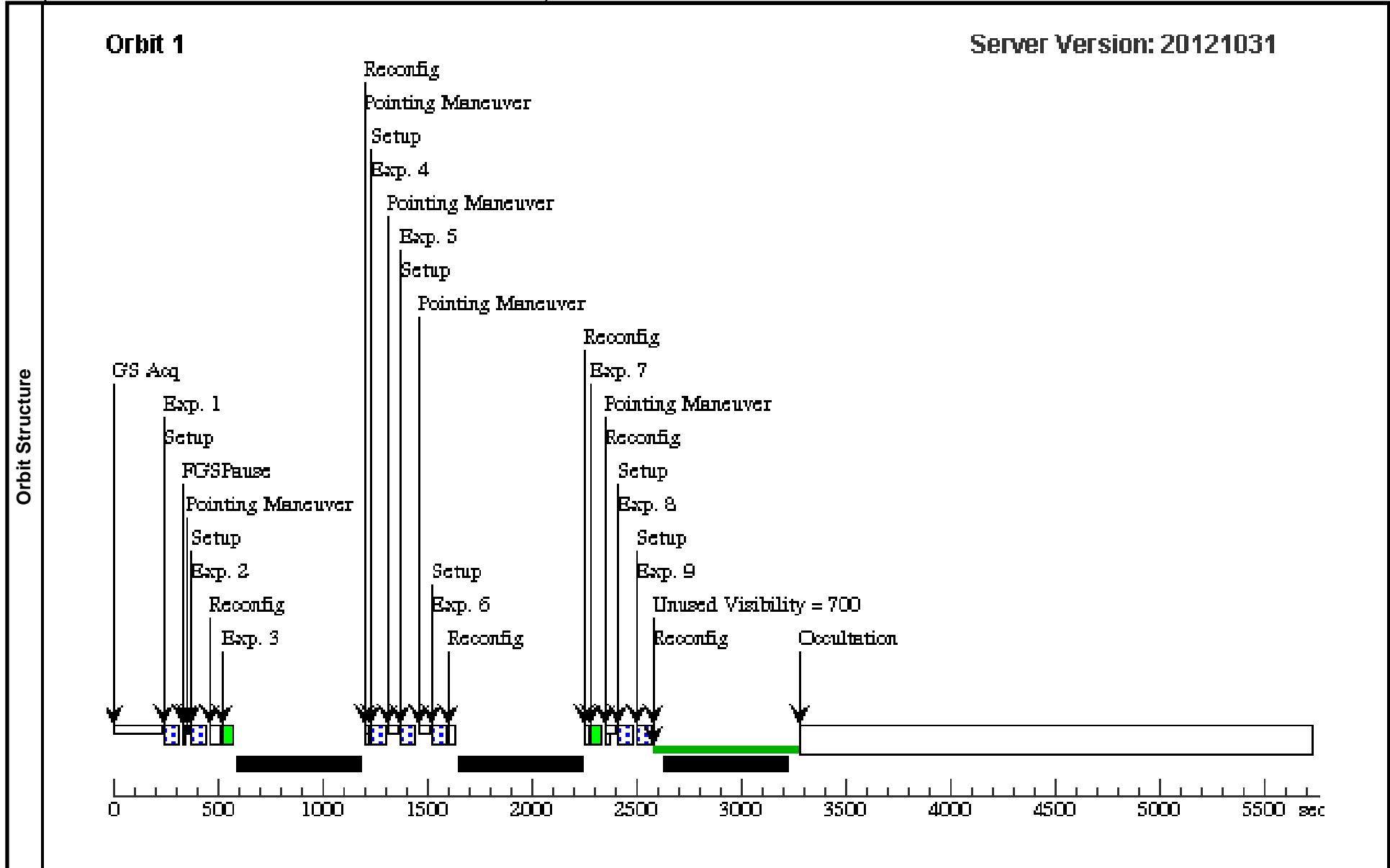


Proposal 12336 - Visit 03 - Scan Enabled Photometry

Visit	Proposal 12336, Visit 03, scheduled Tue Nov 13 02:04:00 GMT 2012 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(1)		V-ALF-LYR	RA: 18 36 56.3364 (279.2347350d) Dec: +38 47 1.28 (38.78369d) Equinox: J2000	Proper Motion RA: 200.94 mas/yr Proper Motion Dec: 286.23 mas/yr Epoch of Position: 2000	V=0.03	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Proper Motions are from the Hipparcos - New Reduction as described in van Leeuwen, 2007, A&A 474, 653-664 (2007). The Epoch is J2000</i>						

Proposal 12336 - Visit 03 - Scan Enabled Photometry

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	G102-Vega -1st in lower right FINE	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG 66,-45; SPATIAL SCAN 4.1 ,90.0 Degrees,Forwa rd; EXP PCS MODE FI NE; GS ACQ SCENARI O SINGLE	[==>]	[1]
	2	G102-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG 66,-45; SPATIAL SCAN 4.1 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO	[==>]	[1]
	3	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=9		[==>]	[1]
	4	G102-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG 46,-45; SPATIAL SCAN 4.1 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	[==>]	[1]
	5	G102-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG 46,-45; SPATIAL SCAN 4.1 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	[==>]	[1]
	6	G102-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG 46,-45; SPATIAL SCAN 4.1 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	[==>]	[1]
	7	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=9		[==>]	[1]
	8	G102-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG 26.0,-45 .0; SPATIAL SCAN 4.1 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	[==>]	[1]
	9	G102-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG 26,-45; SPATIAL SCAN 4.1 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO	[==>]	[1]



Proposal 12336 - Visit 04 - Scan Enabled Photometry

Visit	Proposal 12336, Visit 04, implementation Tue Nov 13 02:04:01 GMT 2012					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	V-ALF-LYR	RA: 18 36 56.3364 (279.2347350d) Dec: +38 47 1.28 (38.78369d) Equinox: J2000	Proper Motion RA: 200.94 mas/yr Proper Motion Dec: 286.23 mas/yr Epoch of Position: 2000	V=0.03	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Proper Motions are from the Hipparcos - New Reduction as described in van Leeuwen, 2007, A&A 474, 653-664 (2007). The Epoch is J2000</i>						

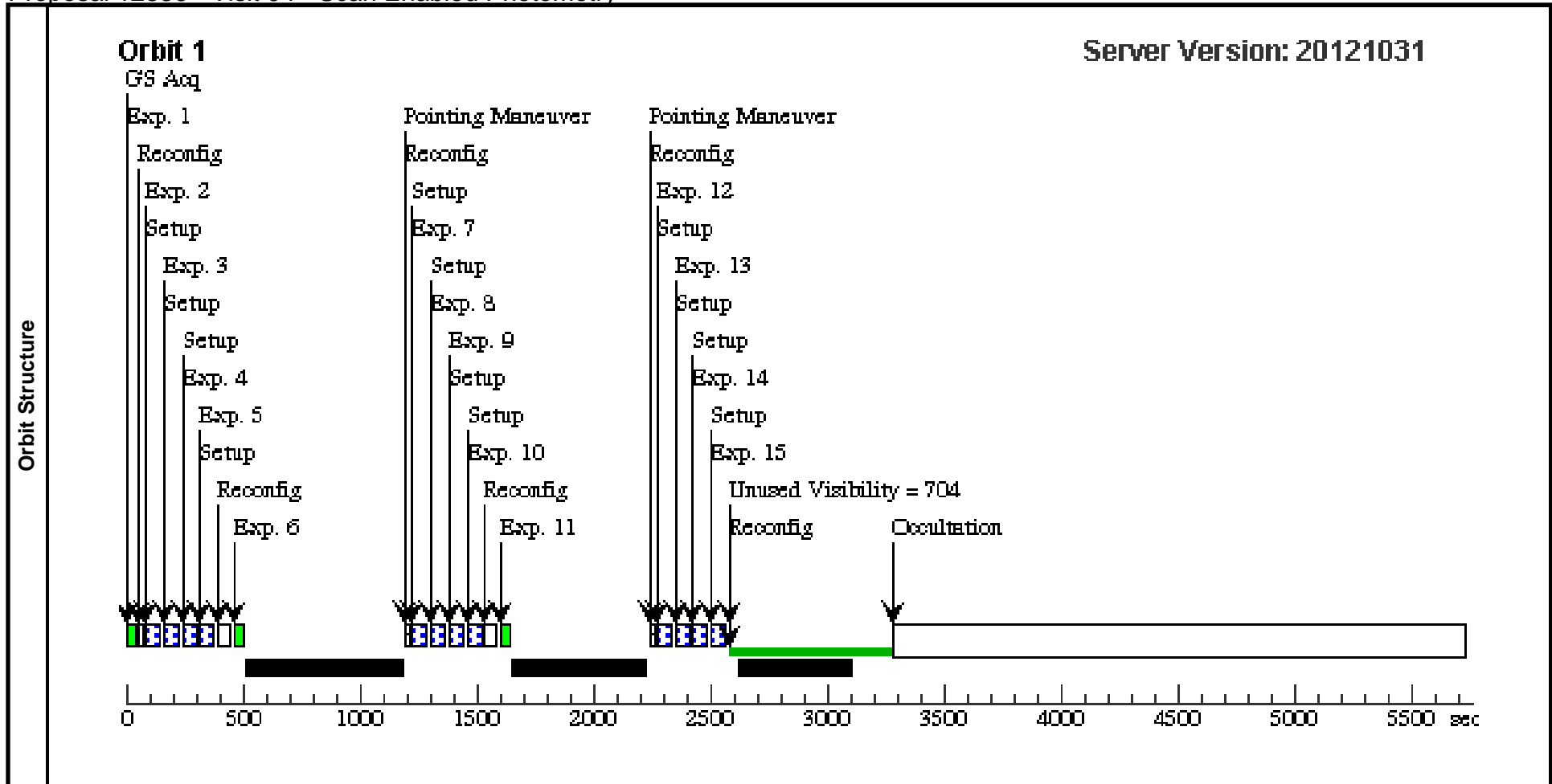
Proposal 12336 - Visit 04 - Scan Enabled Photometry

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=4			[==>]	[1]
2	G102-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 66,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		[==>]	[1]
3	G102-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 66,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO		[==>]	[1]
4	G102-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 66,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		[==>]	[1]
5	G102-Vega -1st in lower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 66,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO		[==>]	[1]
6	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=4			[==>]	[1]
7	G102-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 46,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		[==>]	[1]
8	G102-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 46,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO		[==>]	[1]
9	G102-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 46,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO		[==>]	[1]

Exposures

Proposal 12336 - Visit 04 - Scan Enabled Photometry

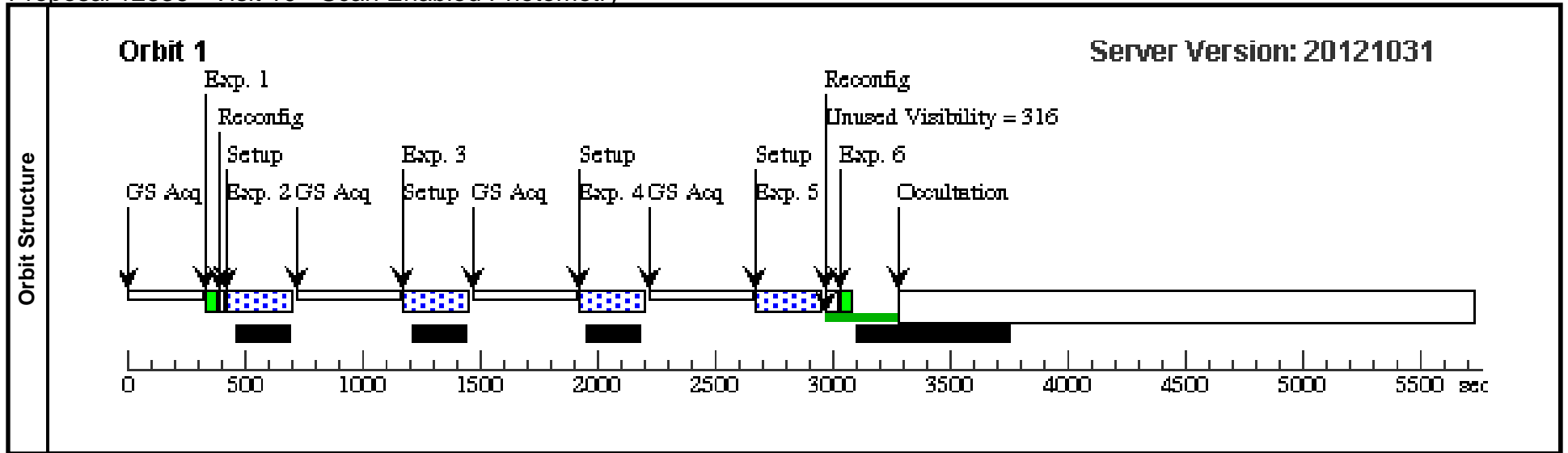
10	G102-Vega, -1st in lower middle	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 46,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO	[==>]	[1]
11	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=4		[==>]	[1]
12	G102-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 26,-45.0 ; SPATIAL SCAN 6.5 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	[==>]	[1]
13	G102-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 26,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO	[==>]	[1]
14	G102-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 26,-45.0 ; SPATIAL SCAN 6.5 ,90.0 Degrees,Forwa rd; EXP PCS MODE G YRO	[==>]	[1]
15	G102-Vega -1st at lower left, +1st at l ower right	(1) V-ALF-LYR	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 26,-45; SPATIAL SCAN 6.5 ,90.0 Degrees,Revers e; EXP PCS MODE G YRO	[==>]	[1]



Proposal 12336 - Visit 10 - Scan Enabled Photometry

Tue Nov 13 02:04:02 GMT 2012

Visit	Proposal 12336, Visit 10, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	HD-93521	RA: 10 48 23.5114 (162.0979642d) Dec: +37 34 13.09 (37.57030d) Equinox: J2000	Proper Motion RA: 0.32 mas/yr Proper Motion Dec: 2.33 mas/yr Epoch of Position: 2000	V=7.04	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Proper motions are from Hipparcos New Reduction Van Leeuwen, A&A 474, 653-664 (2007). They are on SIMBAD.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	NSAMP=8; SAMP-SEQ=RAPID			[==>]	[1]
	2	G141 - HD 93521, 1st order lower right, -1st lower left, slow, forward	(2) HD-93521	WFC3/IR, MULTIACCUM, IR	G141	NSAMP=11; SAMP-SEQ=SPARS25	POS TARG 23,-45; SPATIAL SCAN 0.5,90.0 Degrees,Forward; EXP PCS MODE FINE		[==>]	[1]
	3	G141 - HD 93521, 1st order lower right, -1st lower left, slow, reverse	(2) HD-93521	WFC3/IR, MULTIACCUM, IR	G141	NSAMP=11; SAMP-SEQ=SPARS25	POS TARG 23,-45; SPATIAL SCAN 0.5,90.0 Degrees,Reverse; EXP PCS MODE FINE		[==>]	[1]
	4	G102 HD93521, 1st order in lower right, -1st order in lower left, slow, forward	(2) HD-93521	WFC3/IR, MULTIACCUM, IR	G102	NSAMP=11; SAMP-SEQ=SPARS25	POS TARG 23,-45; SPATIAL SCAN 0.5,90.0 Degrees,Forward; EXP PCS MODE FINE		[==>]	[1]
	5	G102 HD93521, 1st order in lower right, -1st order in lower left, slow, reverse	(2) HD-93521	WFC3/IR, MULTIACCUM, IR	G102	NSAMP=11; SAMP-SEQ=SPARS25	POS TARG 23,-45; SPATIAL SCAN 0.5,90.0 Degrees,Reverse; EXP PCS MODE FINE		[==>]	[1]
	6	dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	NSAMP=8; SAMP-SEQ=RAPID			[==>]	[1]

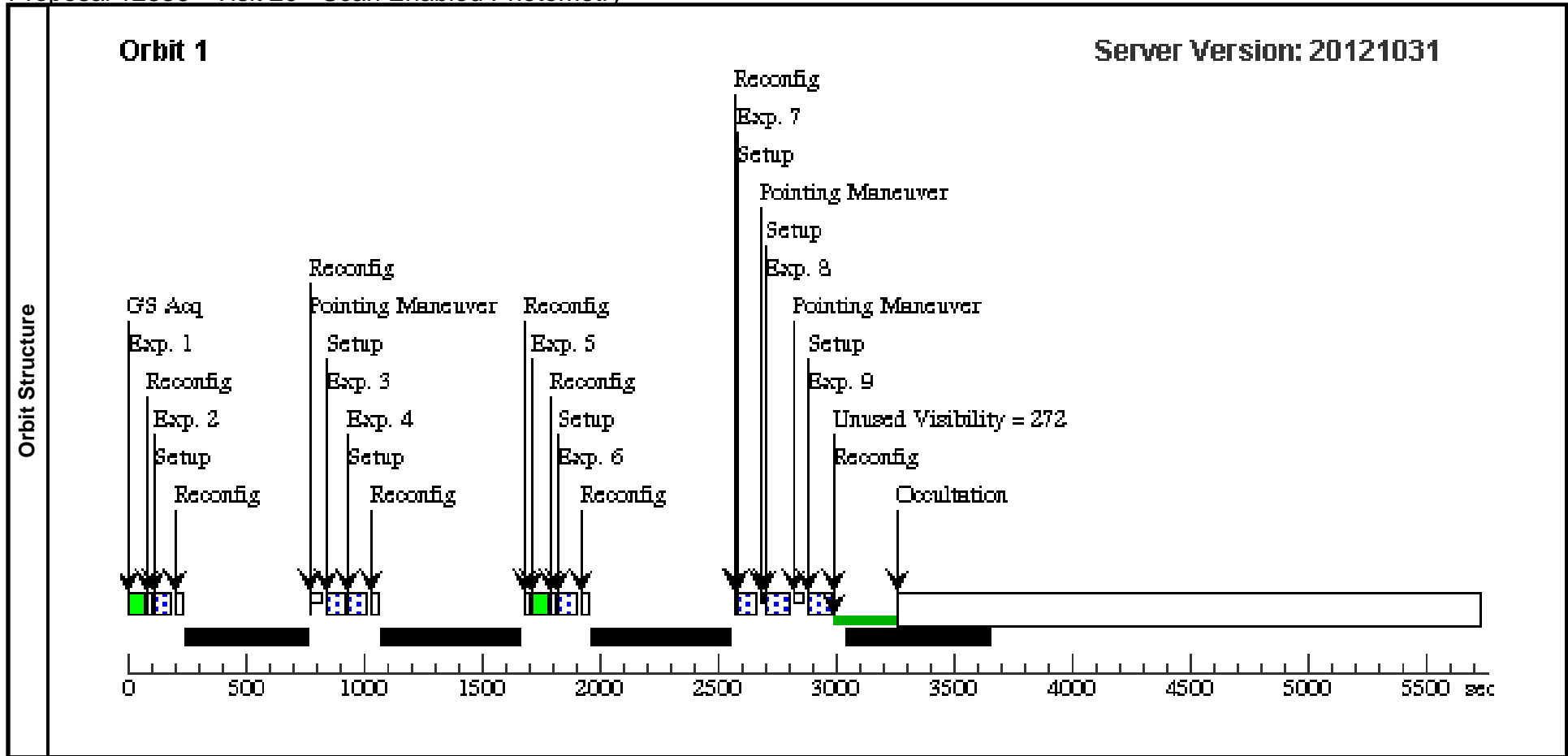


Proposal 12336 - Visit 20 - Scan Enabled Photometry

Visit	Proposal 12336, Visit 20, implementation Tue Nov 13 02:04:03 GMT 2012					
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	LTT-15209 Alt Name1: HD159222	RA: 17 32 0.9925 (263.0041354d) Dec: +34 16 16.13 (34.27115d) Equinox: J2000	Proper Motion RA: -239.8 mas/yr Proper Motion Dec: 63.08 mas/yr Epoch of Position: 2000	V=6.56	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Proper motions are from simbad, taken from van Leeuwen 2007, A&A, Hipparcos - New REduction.</i>						

Proposal 12336 - Visit 20 - Scan Enabled Photometry

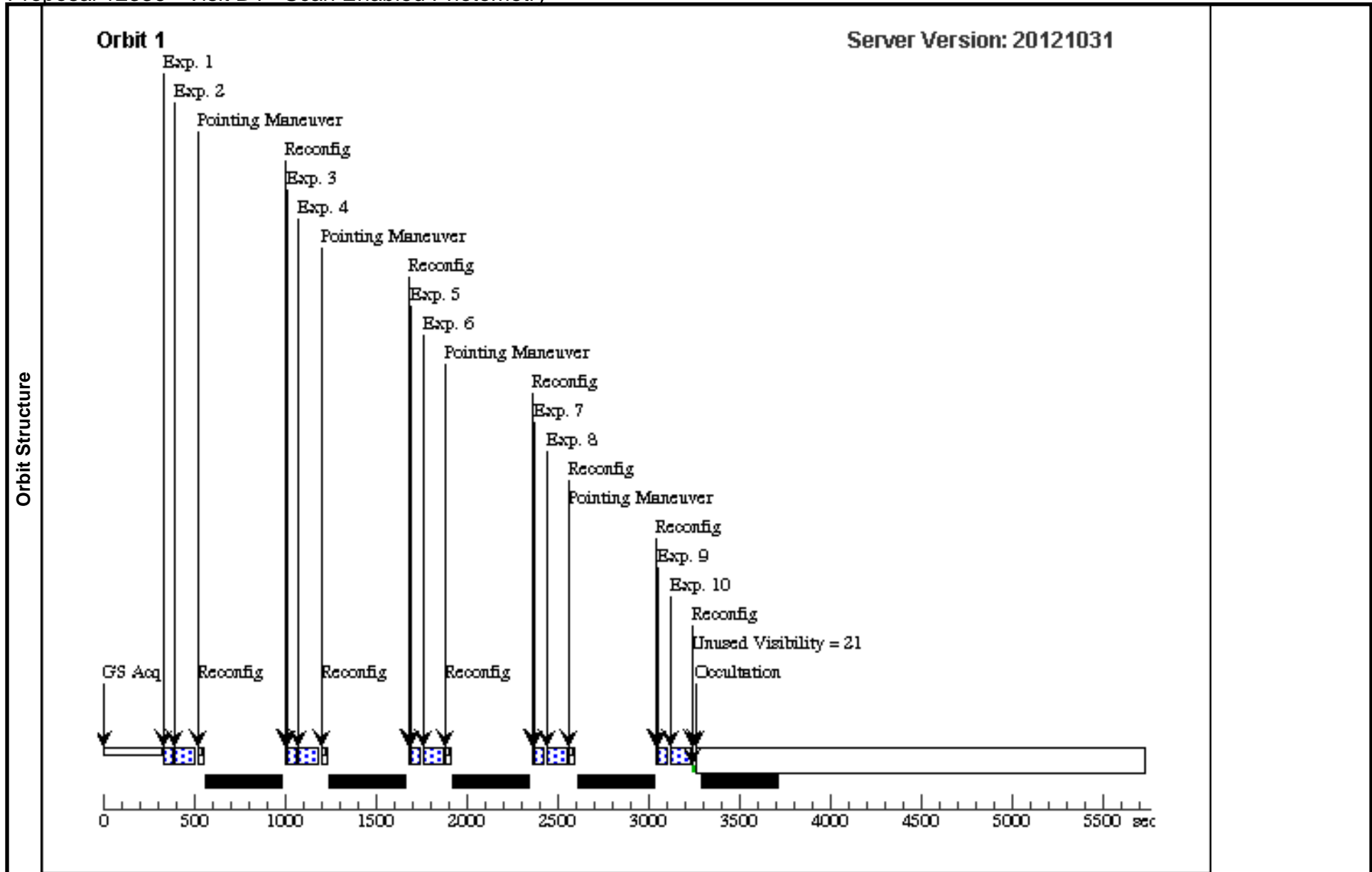
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=14			[==>]	[1]
	2	G141 - HD1 59222, 1st order lower right, -1st order lower left, fast,forward	(3) LTT-15209	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG 23,-45; SPATIAL SCAN 4.0 ,90.0 Degrees,Forward; EXP PCS MODE GYRO		[==>]	[1]
	3	G141 - HD1 59222, 1st order lower right, -1st lower left, slow, forward	(3) LTT-15209	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=14	POS TARG 23,-45; SPATIAL SCAN 3.0 ,90.0 Degrees,Forward; EXP PCS MODE GYRO		[==>]	[1]
	4	G141 - HD1 59222, 1st order lower right, -1st lower left, slow, reverse	(3) LTT-15209	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=RAPID ; NSAMP=14	POS TARG 23,-45; SPATIAL SCAN 3.0 ,90.0 Degrees,Reverse; EXP PCS MODE GYRO		[==>]	[1]
	5	Dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=RAPID ; NSAMP=14			[==>]	[1]
	6	G102 - HD1 59222, 1st order lower right, -1st order lower left, fast,forward	(3) LTT-15209	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=14	POS TARG 23,-45; SPATIAL SCAN 3.0 ,90.0 Degrees,Forward; EXP PCS MODE GYRO		[==>]	[1]
	7	G102 - HD1 59222, 1st order lower right, -1st lower left, fast,reverse	(3) LTT-15209	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=RAPID ; NSAMP=14	POS TARG 23,-45; SPATIAL SCAN 3.0 ,90.0 Degrees,Reverse; EXP PCS MODE GYRO		[==>]	[1]
	8	G102 - HD1 59222, 1st order lower right, -1st lower left, slow, forward	(3) LTT-15209	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 23,-45; SPATIAL SCAN 2.0 ,90.0 Degrees,Forward; EXP PCS MODE GYRO		[==>]	[1]
	9	G102 - HD1 59222, 1st order lower right, -1st lower left, slow, reverse	(3) LTT-15209	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 10; NSAMP=7	POS TARG 23,-45; SPATIAL SCAN 2.0 ,90.0 Degrees,Forward; EXP PCS MODE GYRO		[==>]	[1]



Proposal 12336 - Visit B4 - Scan Enabled Photometry

Tue Nov 13 02:04:04 GMT 2012

Visit	Proposal 12336, Visit B4, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: Last orbit - uses P330E to calibrate the -1st Order. this visit may be executed at any time</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	GSC-02581-02323 Alt Name1: P330E	RA: 16 31 33.8200 (247.8909167d) Dec: +30 08 46.50 (30.14625d) Equinox: J2000		V=12.917	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	P330E G141 25 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 15,-50		[==>]	[1]
	2	P330E G141 100 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S10	POS TARG 15,-50		[==>]	[1]
	3	P330E G141 25 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 15,-25		[==>]	[1]
	4	P330E G141 100 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S10	POS TARG 15,-25		[==>]	[1]
	5	P330E G141 25 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 15,0		[==>]	[1]
	6	P330E G141 100 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S10	POS TARG 15,0		[==>]	[1]
	7	P330E G141 25 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 15,+25		[==>]	[1]
	8	P330E G141 100 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S10	POS TARG 15,+25		[==>]	[1]
	9	P330E G141 25 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 15,+50		[==>]	[1]
10	P330E G141 100 sec	(5) GSC-02581-02323 3	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=11; SAMP-SEQ=SPAR S10	POS TARG 15,+50		[==>]	[1]	



Proposal 12336 - Visit B5 - Scan Enabled Photometry

Tue Nov 13 02:04:06 GMT 2012

Visit	Proposal 12336, Visit B5, withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: Last orbit - uses P330E to calibrate the -1st Order. hold visit</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	GSC-02581-02323 Alt Name1: P330E	RA: 16 31 33.8200 (247.8909167d) Dec: +30 08 46.50 (30.14625d) Equinox: J2000		V=12.917	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	P330E 32 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=RAPID ; NSAMP=11			[==>]	[1]
	2	P330E 100 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=11; SAMP-SEQ=SPAR S10			[==>]	[1]
	3	P330E 32 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=RAPID ; NSAMP=11			[==>]	[1]
	4	P330E 100 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=11; SAMP-SEQ=SPAR S10			[==>]	[1]
	5	P330E 32 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=RAPID ; NSAMP=11			[==>]	[1]
	6	P330E 100 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=11; SAMP-SEQ=SPAR S10			[==>]	[1]
	7	P330E 32 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=RAPID ; NSAMP=11			[==>]	[1]
	8	P330E 100 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=11; SAMP-SEQ=SPAR S10			[==>]	[1]
	9	P330E 32 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=RAPID ; NSAMP=11			[==>]	[1]
10	P330E 100 sec	(5) GSC-02581-02323	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=11; SAMP-SEQ=SPAR S10			[==>]	[1]	

