



12181 - The Atmospheric Structure of Giant Hot Exoplanets

Cycle: 18, 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	(2) HAT-12	WFC3/IR	4	10-Sep-2012 21:04:09.0	yes
02	(7) WASP-12	WFC3/IR	4	10-Sep-2012 21:06:51.0	yes
03	(9) TRES-2	WFC3/IR	4	10-Sep-2012 21:09:31.0	yes
05	(11) WASP-18	WFC3/IR	4	10-Sep-2012 21:25:14.0	yes
06	(1) WASP-17	WFC3/IR	5	10-Sep-2012 21:29:15.0	yes

Proposal 12181 (STScI Edit Number: 7, Created: Tuesday, September 11, 2012 2:20:40 AM EST) - Overview

<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	(4) XO-1	WFC3/IR	5	10-Sep-2012 21:33:39.0	yes
08	(5) TRES-4	WFC3/IR	5	10-Sep-2012 21:37:34.0	yes
09	(6) HAT-13	WFC3/IR	5	10-Sep-2012 21:51:11.0	yes
10	(16) HAT-7	WFC3/IR	5	10-Sep-2012 21:55:45.0	yes
11	(16) HAT-7	WFC3/IR	5	10-Sep-2012 22:09:28.0	yes
12	(16) HAT-7	WFC3/IR	5	10-Sep-2012 22:23:05.0	yes
13	(16) HAT-7	WFC3/IR	5	10-Sep-2012 22:28:37.0	yes
14	(12) WASP-4	WFC3/IR	5	10-Sep-2012 23:44:42.0	yes
15	(10) WASP-19	WFC3/IR	4	10-Sep-2012 23:57:10.0	yes
16	(13) TRES-3	WFC3/IR	4	11-Sep-2012 00:55:54.0	yes
17	(14) COROT-1	WFC3/IR	4	11-Sep-2012 00:58:51.0	yes
18	(10) WASP-19	WFC3/IR	4	11-Sep-2012 01:10:22.0	yes
19	(14) COROT-1	WFC3/IR	4	11-Sep-2012 01:13:24.0	yes
20	(14) COROT-1	WFC3/IR	4	11-Sep-2012 01:15:46.0	yes
21	(14) COROT-1	WFC3/IR	4	11-Sep-2012 01:18:03.0	yes
22	(15) COROT-2	WFC3/IR	4	11-Sep-2012 01:30:19.0	yes
23	(15) COROT-2	WFC3/IR	4	11-Sep-2012 01:42:17.0	yes
24	(15) COROT-2	WFC3/IR	4	11-Sep-2012 01:55:05.0	yes
25	(12) WASP-4	WFC3/IR	5	11-Sep-2012 03:11:34.0	yes
26	(17) HD209458	WFC3/IR	5	11-Sep-2012 03:16:21.0	yes
27	(18) HD189733	WFC3/IR	4	11-Sep-2012 03:20:13.0	yes

115 Total Orbits Used

ABSTRACT

Characterization of close-in giant exoplanets has proceeded rapidly over the past few years, due largely to Spitzer and HST observations in transiting systems. Low resolution thermal emission spectra of over two dozen planets have been measured by Spitzer, and HST observations of a few key

planets have indicated unusual molecular abundances via transmission spectroscopy. However, current models for the atmospheric structure of these worlds exhibit degeneracies wherein different combinations of temperature and molecular abundance profiles can fit the same Spitzer data for each planet. Fortunately, the advent of the IR capability on HST/WFC3 allows us to solve this major problem in exoplanet science. We propose to inaugurate a Large HST program that is scientifically complementary to Spitzer, Kepler, and CoRoT exoplanet results.

We will obtain transmission spectroscopy of the 1.4-micron water band in a sample of 13 planets, using the G141 grism on WFC3. Among the abundant molecules, only water absorbs at this wavelength, and our measurement of water abundance will enable us to break the degeneracies in the Spitzer results with minimal model assumptions. We will also use the G141 grism to observe secondary eclipses for 7 very hot giant exoplanets at 1.5-microns, including several bright systems in the Kepler and CoRoT fields. The strong temperature sensitivity of the thermal continuum at 1.5-microns provides high leverage on atmospheric temperature for these worlds, again helping to break degeneracies in interpreting the Spitzer data. Moreover, our precise eclipse photometry, in combination with extant Spitzer data, will enable us to extrapolate the thermal continuum to optical wavelengths. Kepler and CoRoT teams will be thereby able to subtract the thermal contribution from their increasingly precise measurements of optical eclipses, and measure, or place extremely stringent limits on, the albedo of these exotic worlds.

OBSERVING DESCRIPTION

grism spectroscopy of exoplanet hosts stars at transt and eclipse

Proposal 12181 - Visit 01 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:20:41 GMT 2012

Visit	<p>Proposal 12181, Visit 01, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 3.2130598 D AND ZERO-PHASE HJD2454419.19556</p> <p><i>Comments: transit of HAT-12</i></p>												
Diagnostics	<p>(Visit 01) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</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>(2)</td> <td>HAT-12</td> <td>RA: 13 57 33.5000 (209.3895833d) Dec: +43 29 36.70 (43.49353d) Equinox: J2000</td> <td>Proper Motion RA: -132.0 mas/yr Proper Motion Dec: -38.0 mas/yr Parallax: 0.0070" Epoch of Position: 2000.0</td> <td>V=12.8</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	HAT-12	RA: 13 57 33.5000 (209.3895833d) Dec: +43 29 36.70 (43.49353d) Equinox: J2000	Proper Motion RA: -132.0 mas/yr Proper Motion Dec: -38.0 mas/yr Parallax: 0.0070" Epoch of Position: 2000.0	V=12.8	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(2)	HAT-12	RA: 13 57 33.5000 (209.3895833d) Dec: +43 29 36.70 (43.49353d) Equinox: J2000	Proper Motion RA: -132.0 mas/yr Proper Motion Dec: -38.0 mas/yr Parallax: 0.0070" Epoch of Position: 2000.0	V=12.8	Reference Frame: ICRS								

Proposal 12181 - Visit 01 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(2) HAT-12	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.936 TO 0. 952	[==>]	[1]		

Exposures

Proposal 12181 - Visit 01 - The Atmospheric Structure of Giant Hot Exoplanets

2	(2) HAT-12	WFC3/IR, MULTIACCUM, IRSUB512	G141	SAMP-SEQ=RAPID POS TARG -2.303,1 ; NSAMP=15	.202	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p> <p>[==>(Copy 24)]</p> <p>[==>(Copy 25)]</p>	[1]
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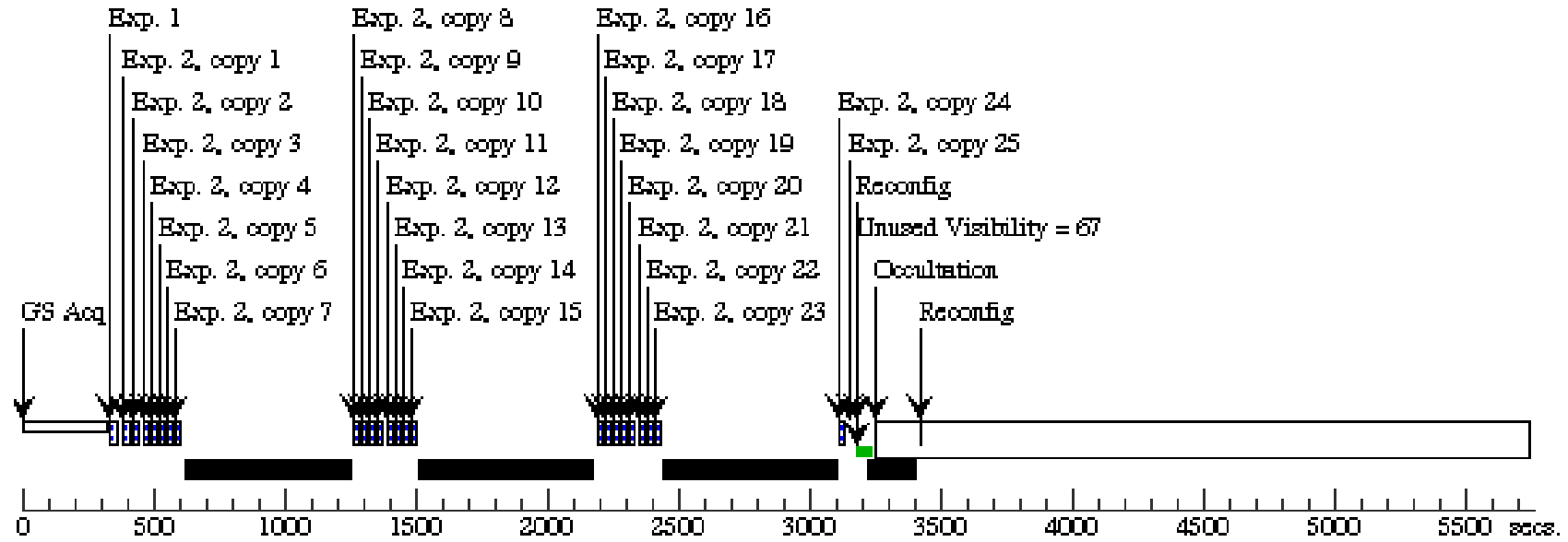
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Proposal 12181 - Visit 01 - The Atmospheric Structure of Giant Hot Exoplanets

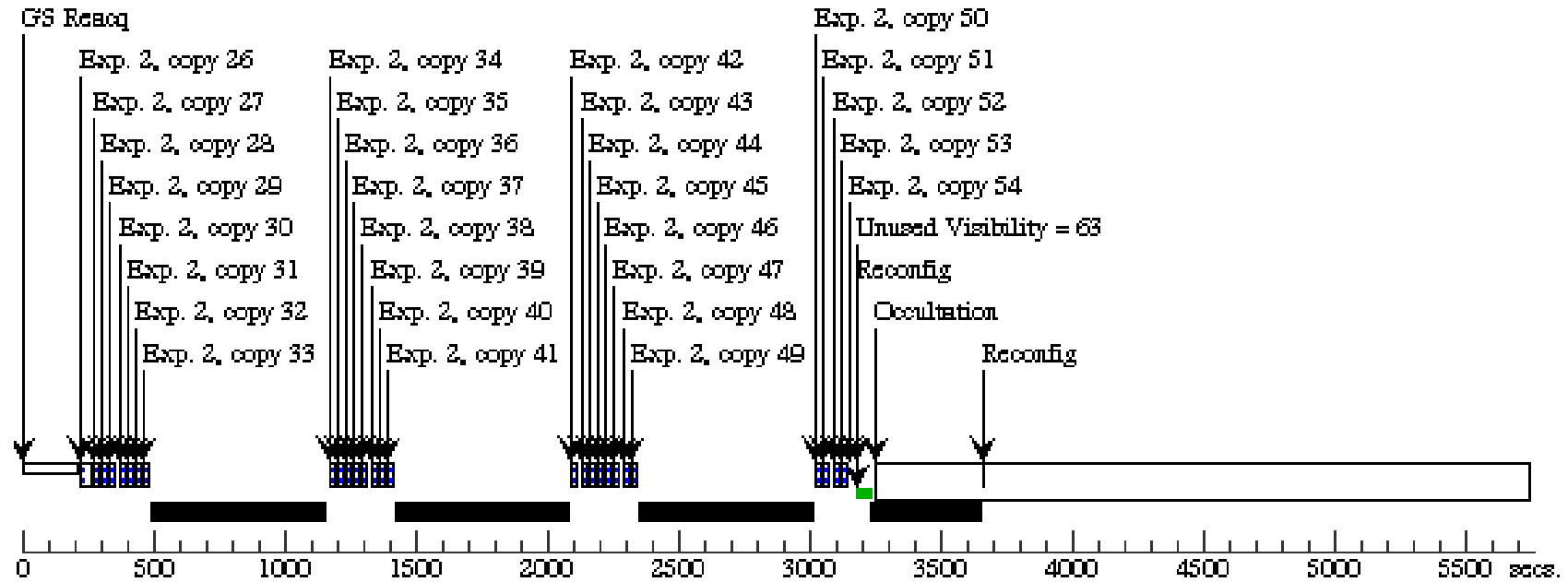
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Orbit 1

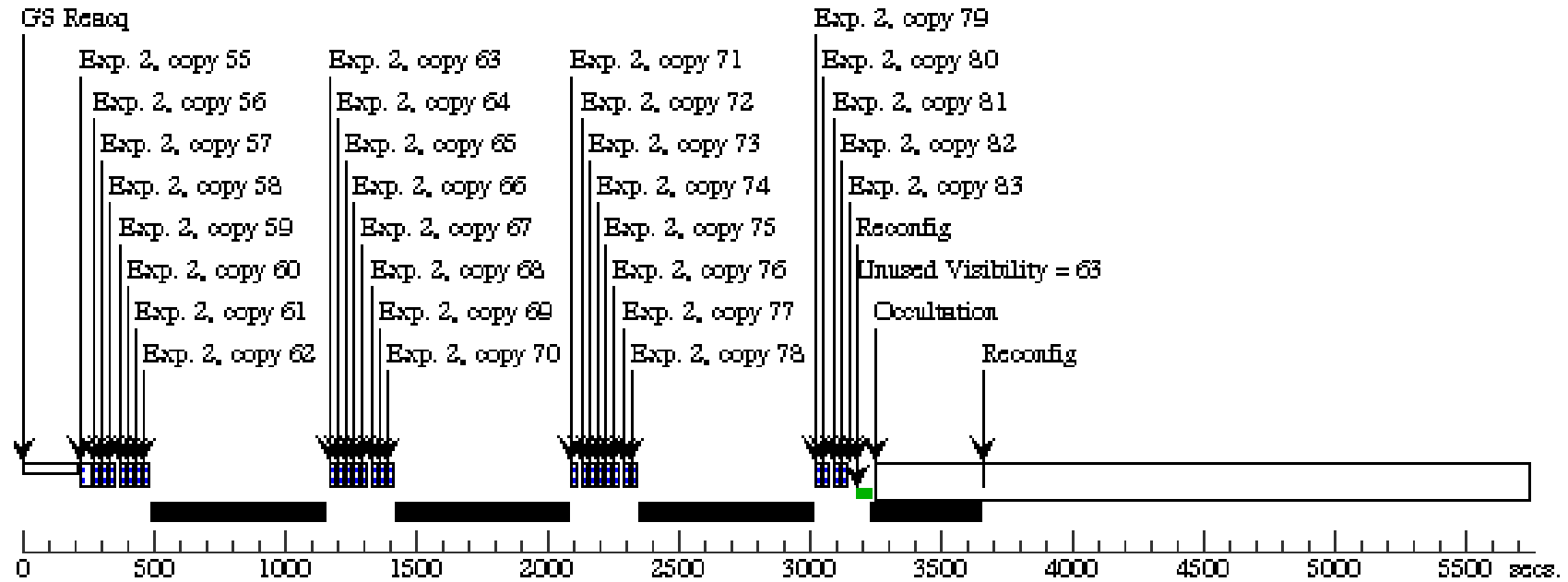


Orbit Structure

Orbit 2

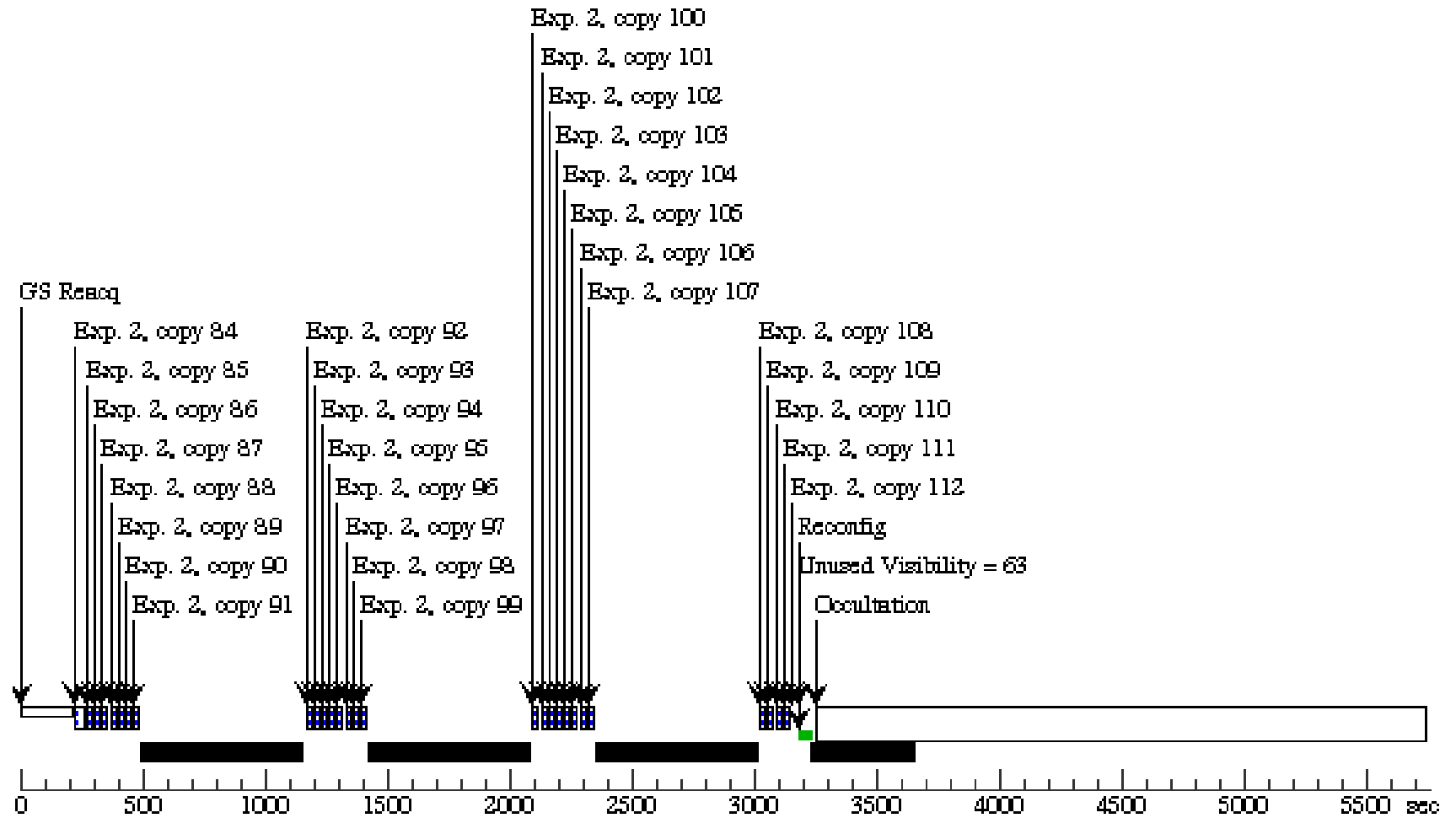


Orbit 3



Orbit 4

Server Version: 20120802



Proposal 12181 - Visit 02 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:20:49 GMT 2012

Visit	<p>Proposal 12181, Visit 02, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 1.091423 D AND ZERO-PHASE HJD2454508.9761</p> <p><i>Comments: transit of WASP-12</i></p>					
Diagnostics	(Visit 02) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	WASP-12	RA: 06 30 32.8000 (97.6366667d) Dec: +29 40 20.00 (29.67222d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=11.7	Reference Frame: ICRS

Proposal 12181 - Visit 02 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(7) WASP-12	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.816 TO 0. 843		[==>]	[1]

Exposures

Proposal 12181 - Visit 02 - The Atmospheric Structure of Giant Hot Exoplanets

2	(7) WASP-12	WFC3/IR, MULTIACCUM, IRSUB512	G141	SAMP-SEQ=RAPID POS TARG -2.303,1 ; NSAMP=15		<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p>	[1]
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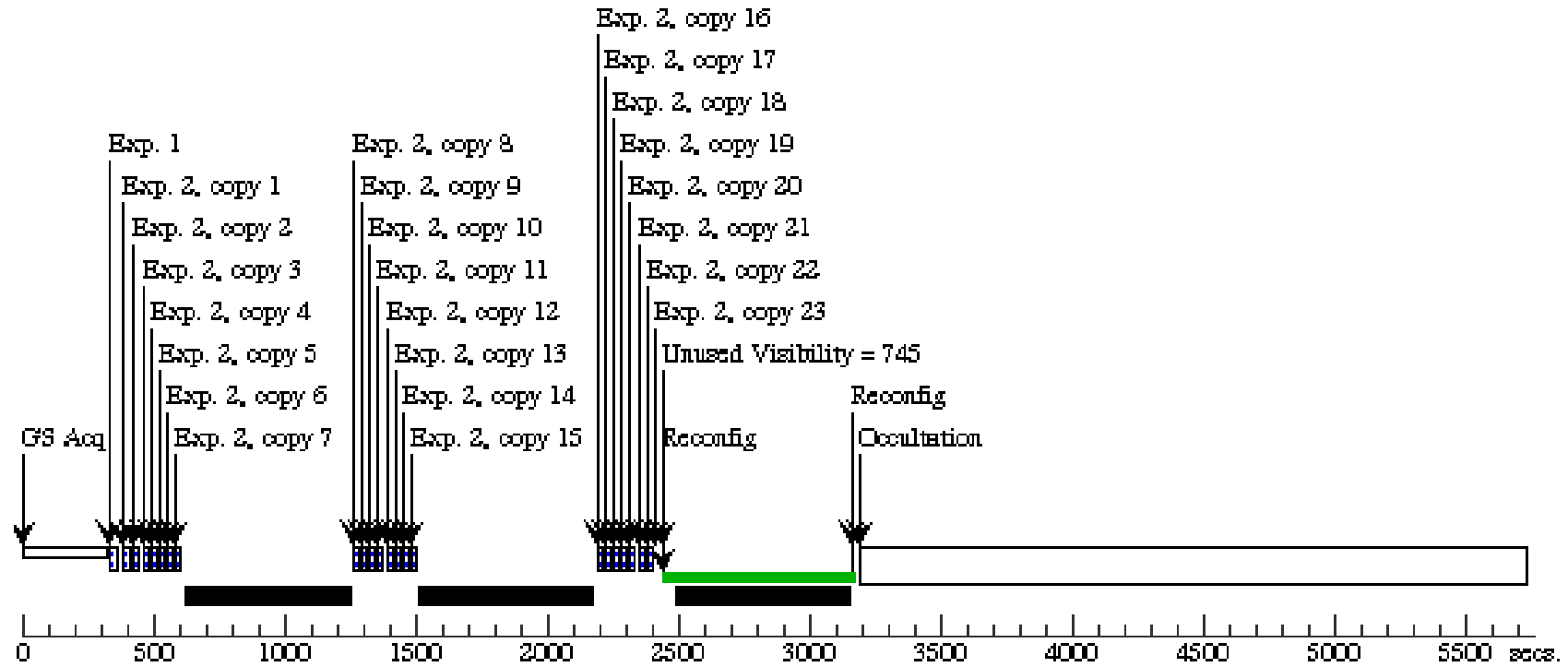
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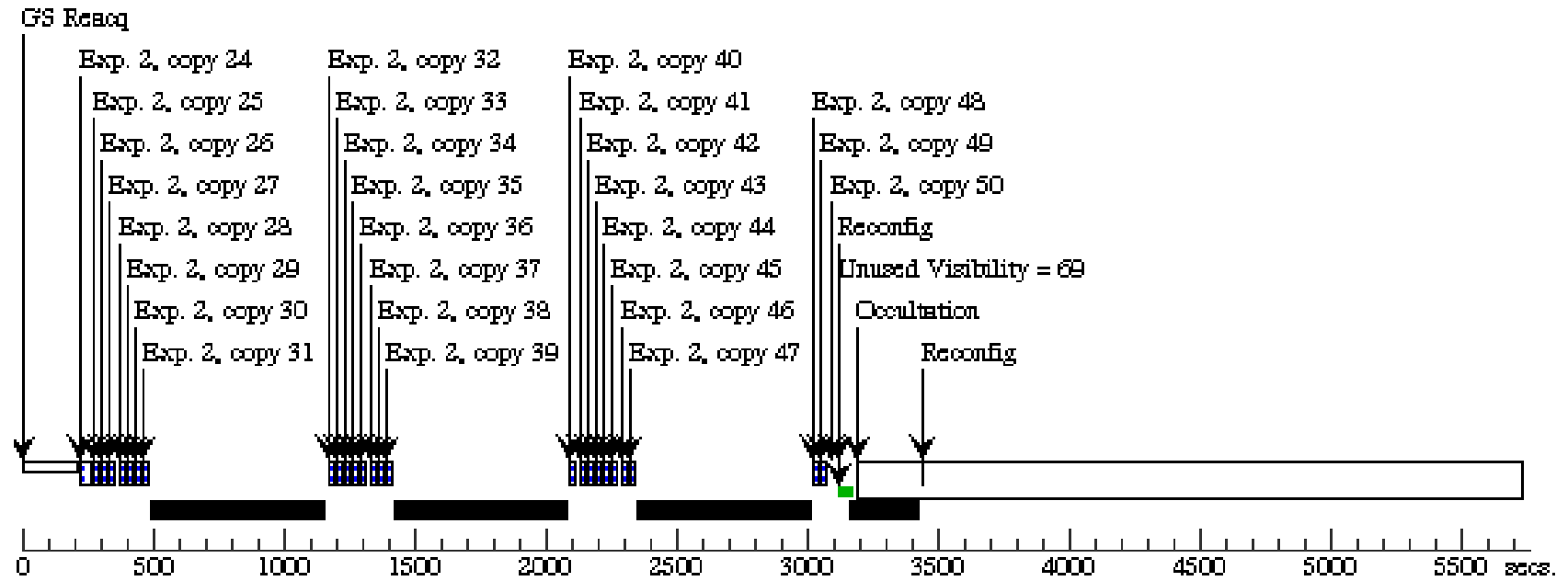
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Orbit 1

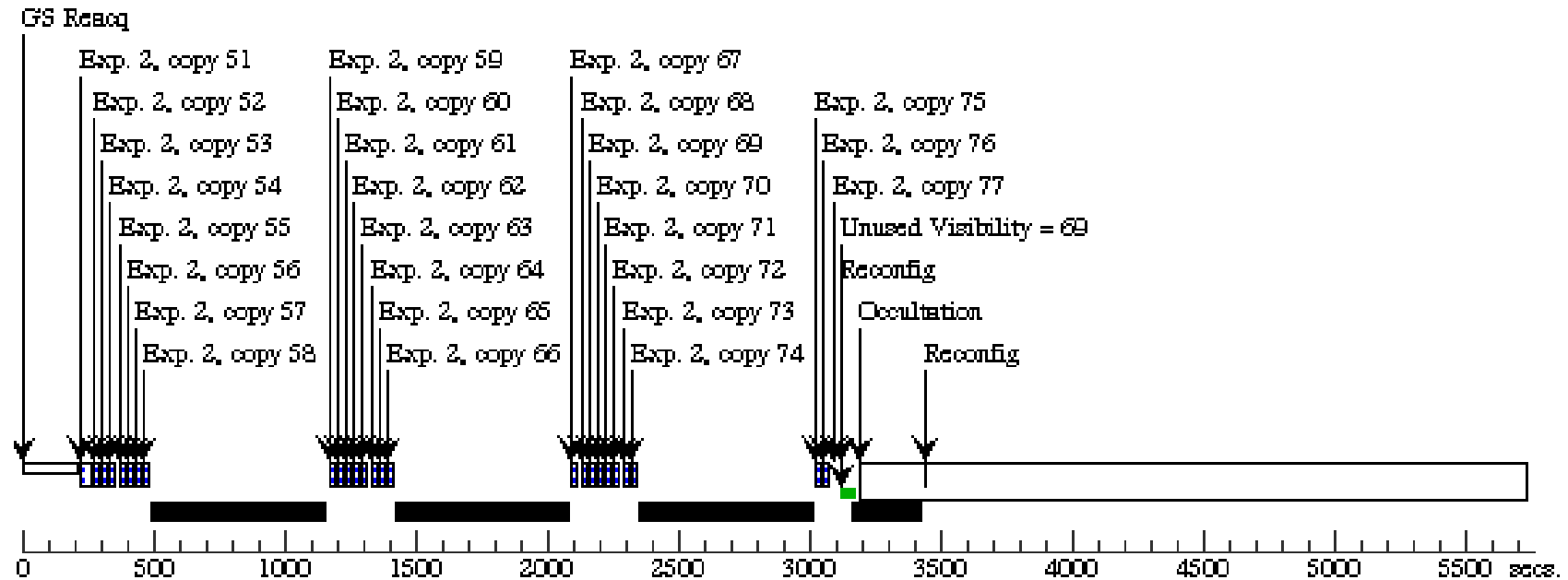
Orbit Structure



Orbit 2

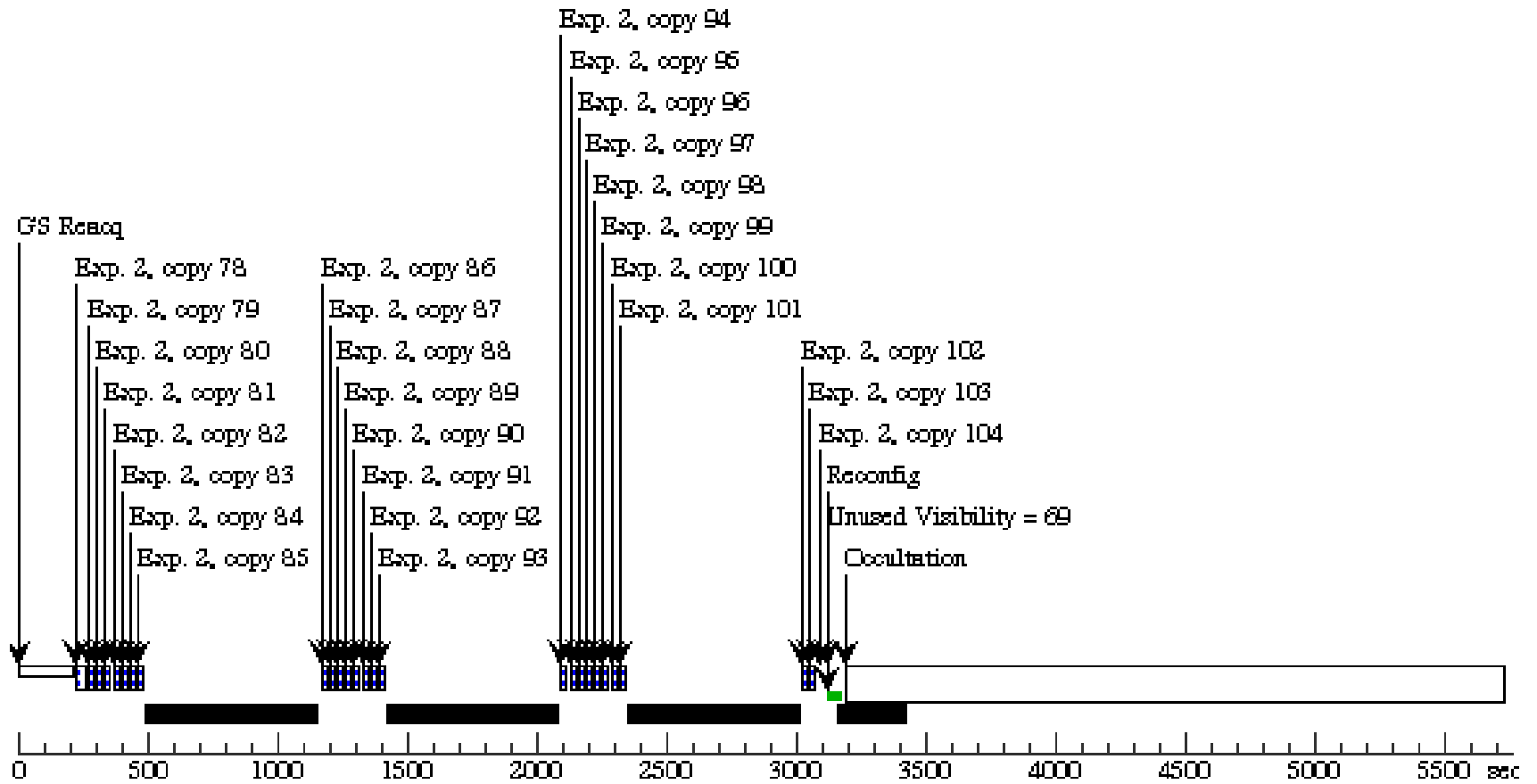


Orbit 3



Orbit 4

Server Version: 20120802



Proposal 12181 - Visit 03 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:20:54 GMT 2012

Visit	<p>Proposal 12181, Visit 03, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 2.47061344 D AND ZERO-PHASE HJD2454664.23039</p> <p><i>Comments: transit of TrES-2</i></p>												
Diagnostics	<p>(Visit 03) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</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>(9)</td> <td>TRES-2</td> <td>RA: 19 07 14.0400 (286.8085000d) Dec: +49 18 59.10 (49.31642d) Equinox: J2000</td> <td>Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0</td> <td>V=11.4</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(9)	TRES-2	RA: 19 07 14.0400 (286.8085000d) Dec: +49 18 59.10 (49.31642d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=11.4	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(9)	TRES-2	RA: 19 07 14.0400 (286.8085000d) Dec: +49 18 59.10 (49.31642d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=11.4	Reference Frame: ICRS								

Proposal 12181 - Visit 03 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(9) TRES-2	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.919 TO 0. 952		[==>]	[1]

Exposures

Proposal 12181 - Visit 03 - The Atmospheric Structure of Giant Hot Exoplanets

2	(9) TRES-2	WFC3/IR, MULTIACCUM, IRSUB512	G141	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -2.303,1 .202	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p> <p>[==>(Copy 24)]</p>	[1]
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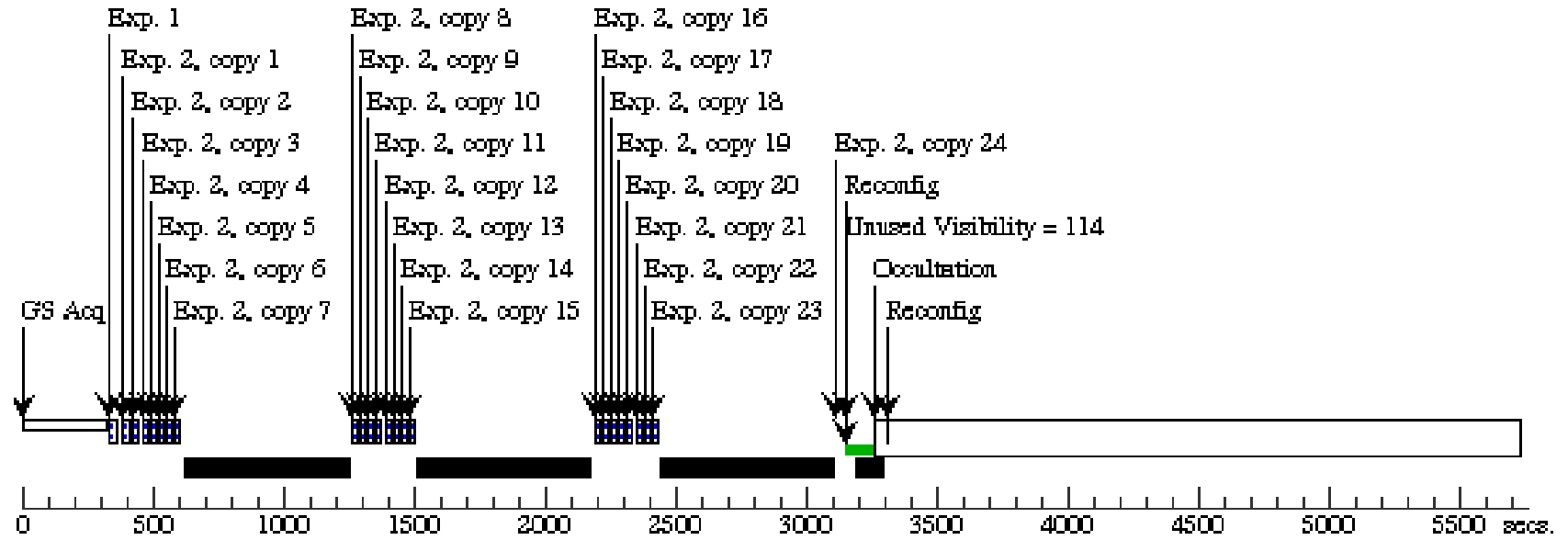
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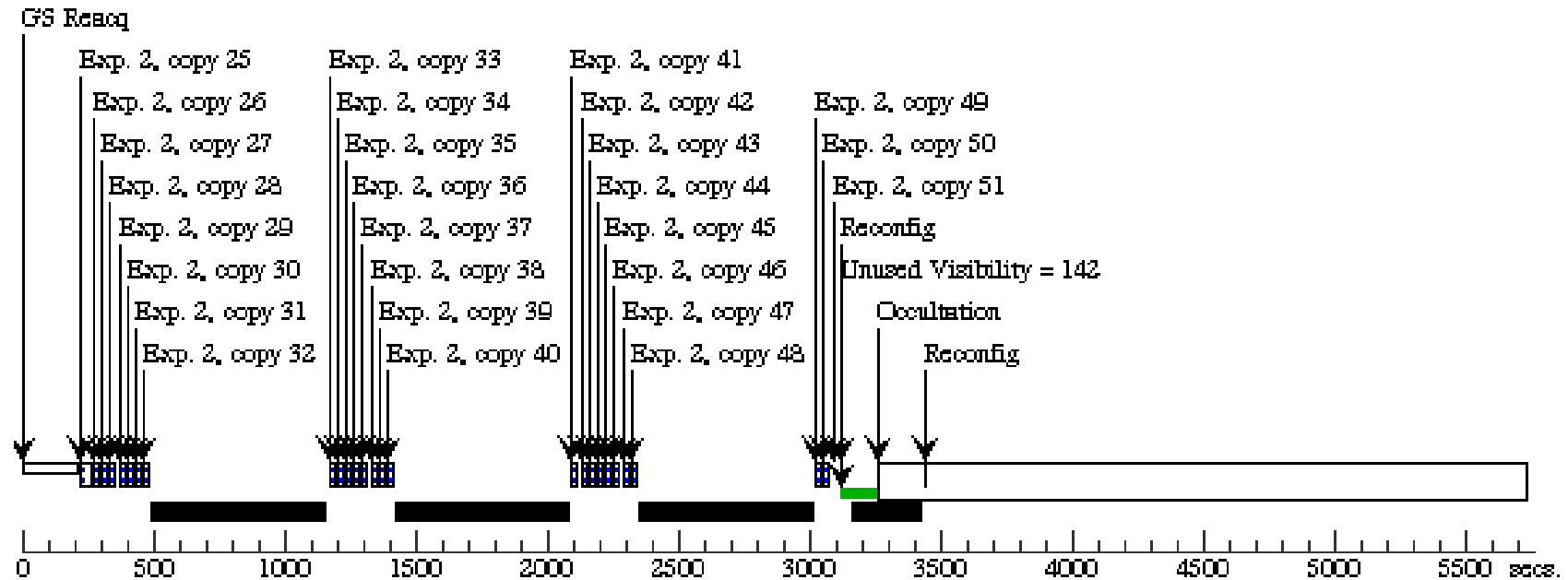
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Orbit 1

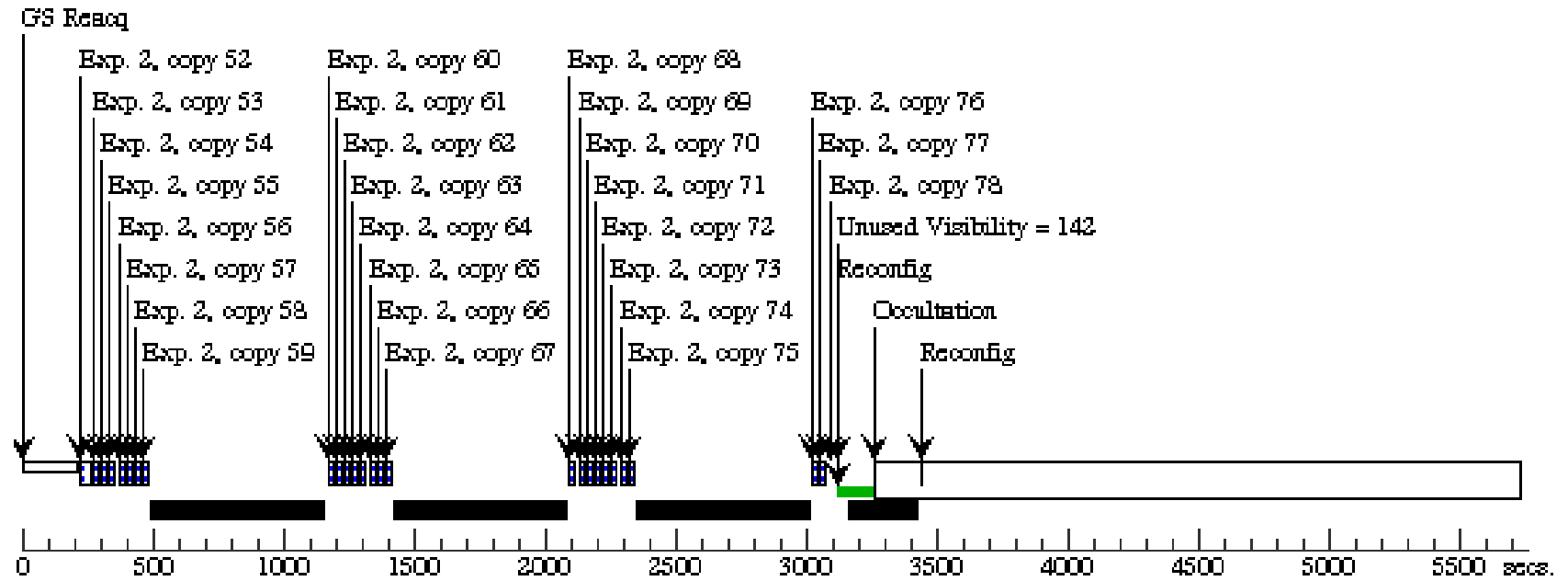


Orbit Structure

Orbit 2

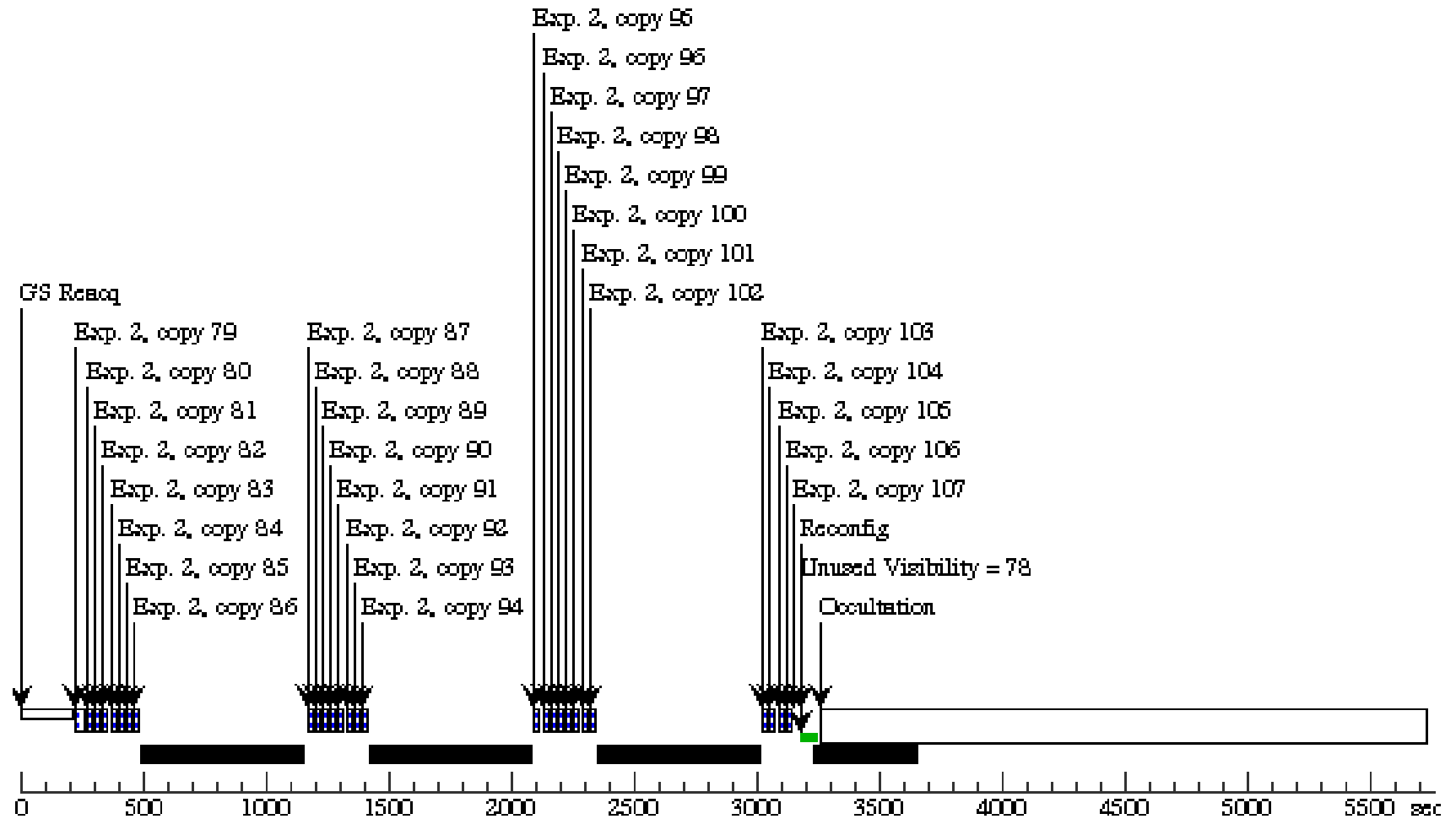


Orbit 3



Orbit 4

Server Version: 20120802



Proposal 12181 - Visit 05 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:21:00 GMT 2012

Visit	<p>Proposal 12181, Visit 05, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 0.94145299 D AND ZERO-PHASE HJD2454221.48163</p> <p><i>Comments: eclipse of WASP-18</i></p>					
Diagnostics	<p>(Visit 05) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	WASP-18	RA: 01 37 25.0300 (24.3542917d) Dec: -45 40 40.40 (-45.67789d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.01" Epoch of Position: 2000.0	V=9.3	Reference Frame: ICRS

Proposal 12181 - Visit 05 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(11) WASP-18	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.858 TO 0. 893		[==>]	[1]

Exposures

Proposal 12181 - Visit 05 - The Atmospheric Structure of Giant Hot Exoplanets

2	(11) WASP-18	WFC3/IR, MULTIACCUM, IRSUB256	G141	SAMP-SEQ=RAPID POS TARG -15.173, ; NSAMP=10 1.158		
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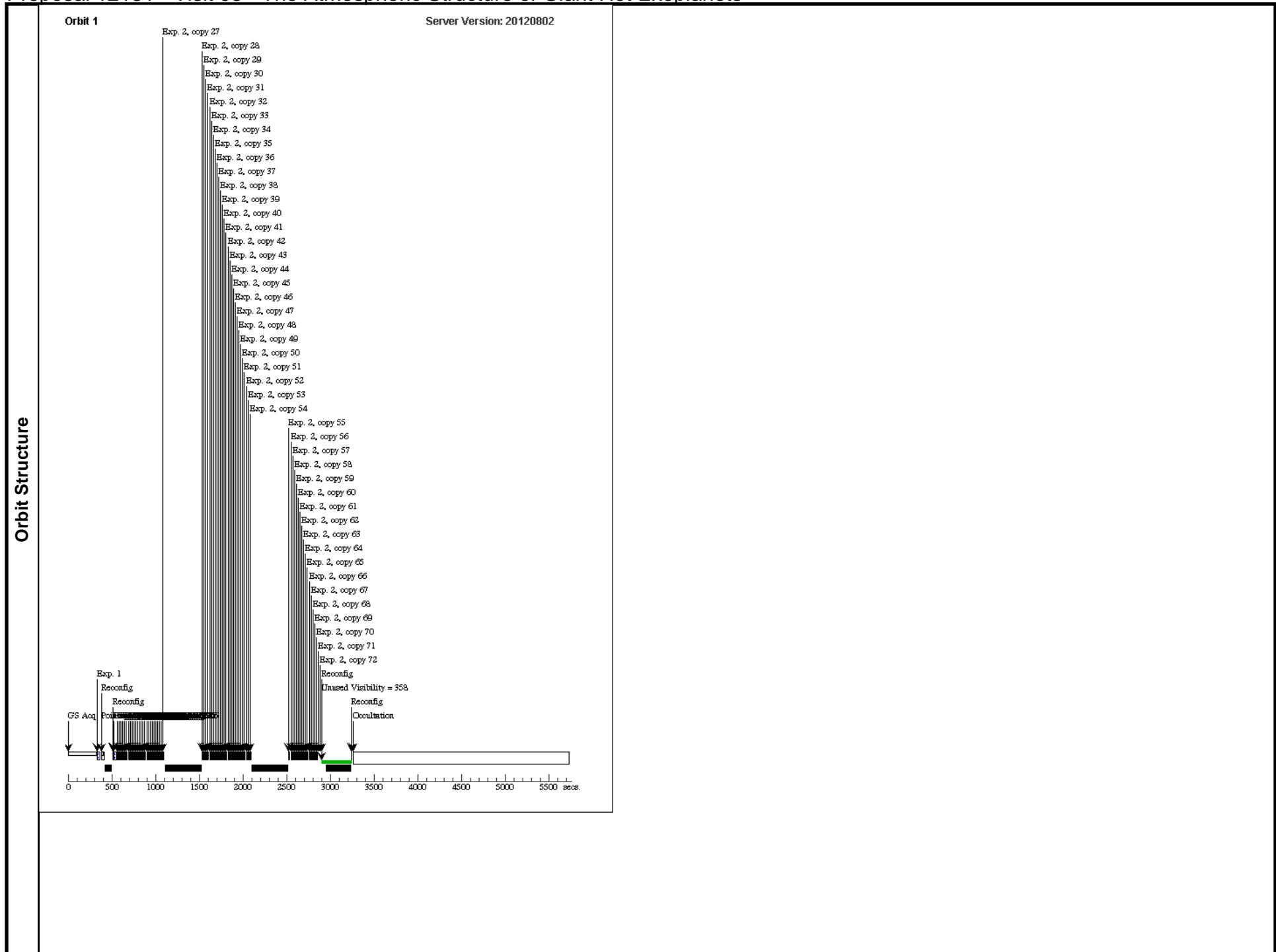
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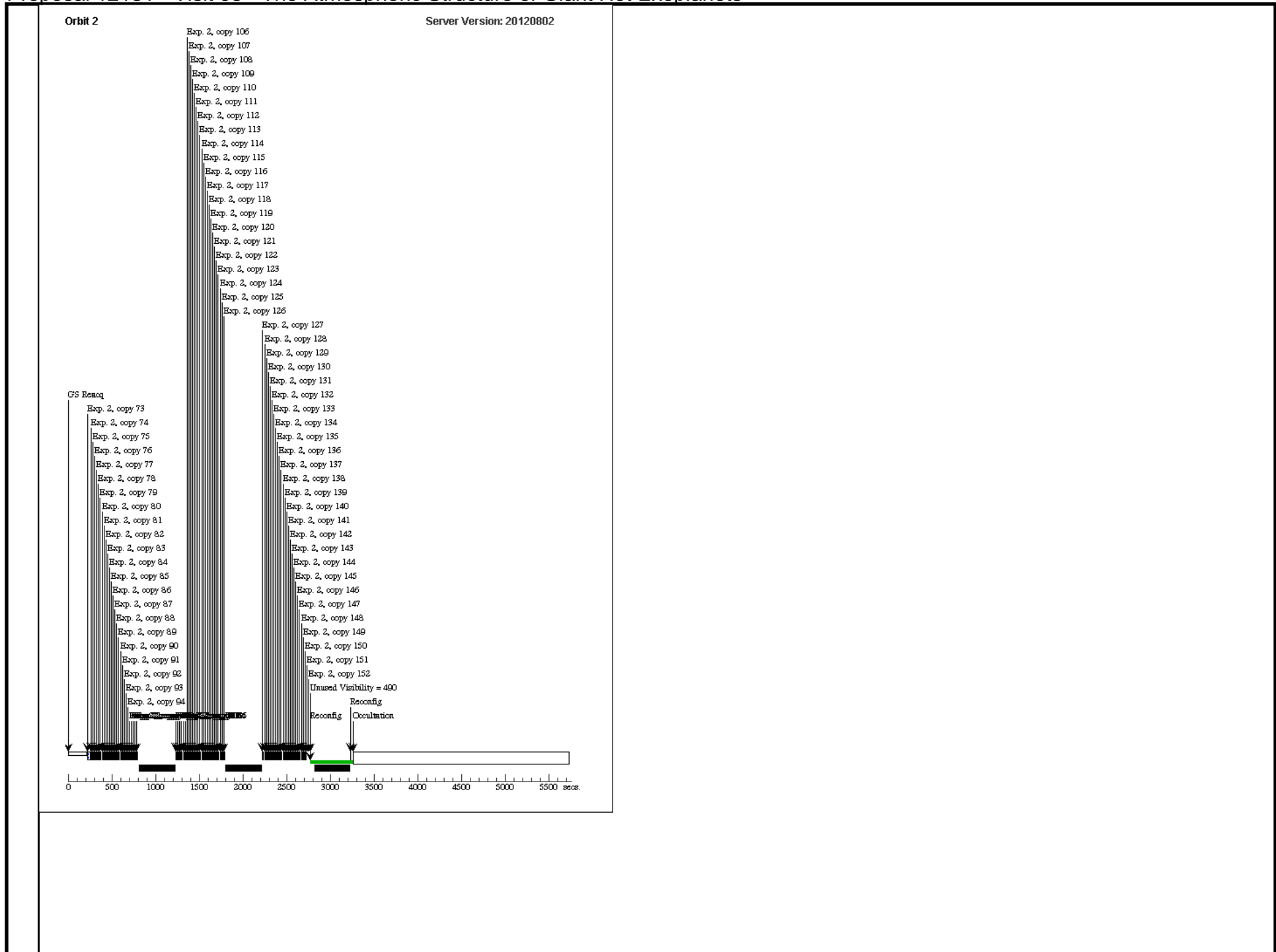
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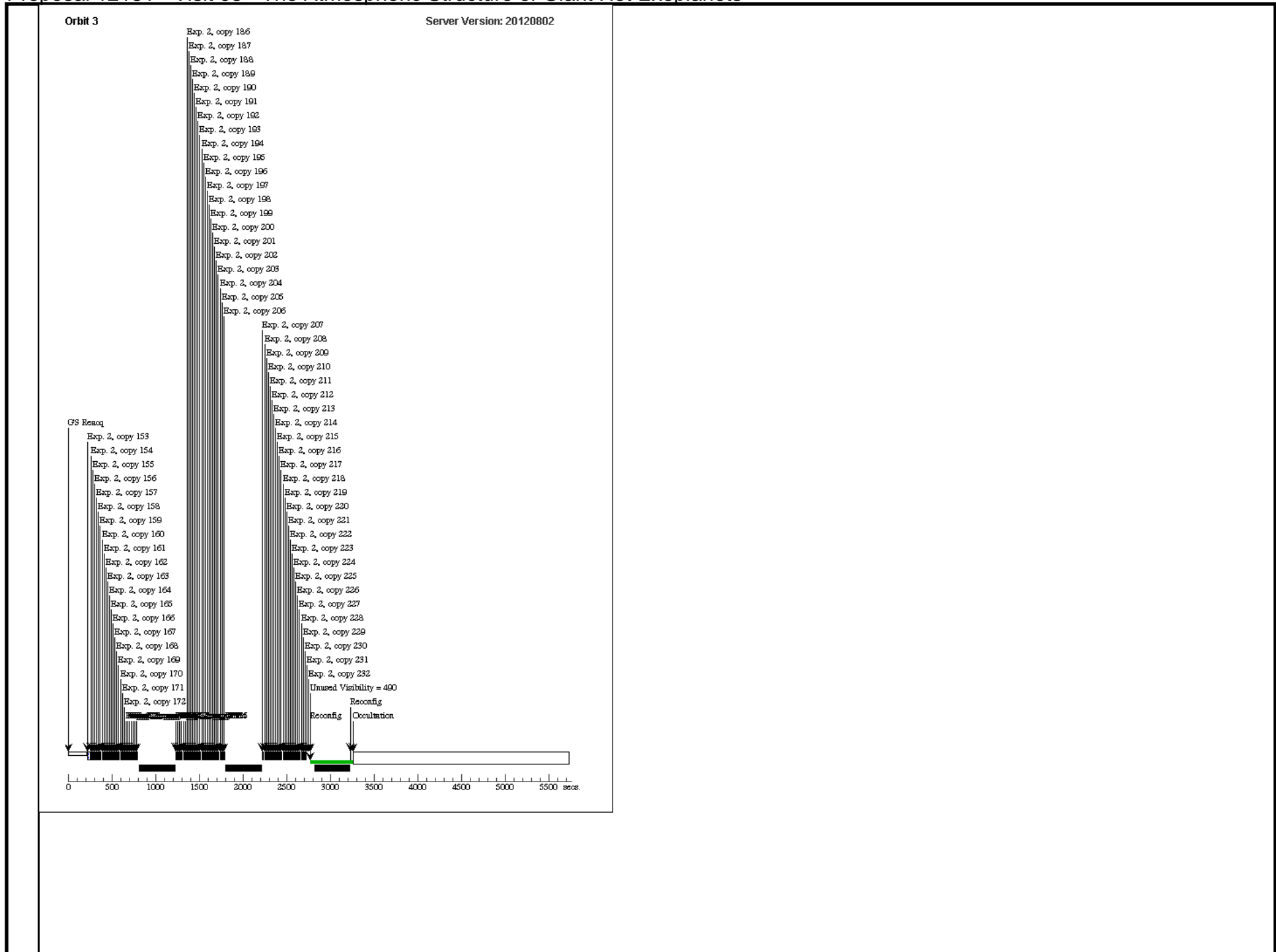
Proposal 12181 - Visit 05 - The Atmospheric Structure of Giant Hot Exoplanets

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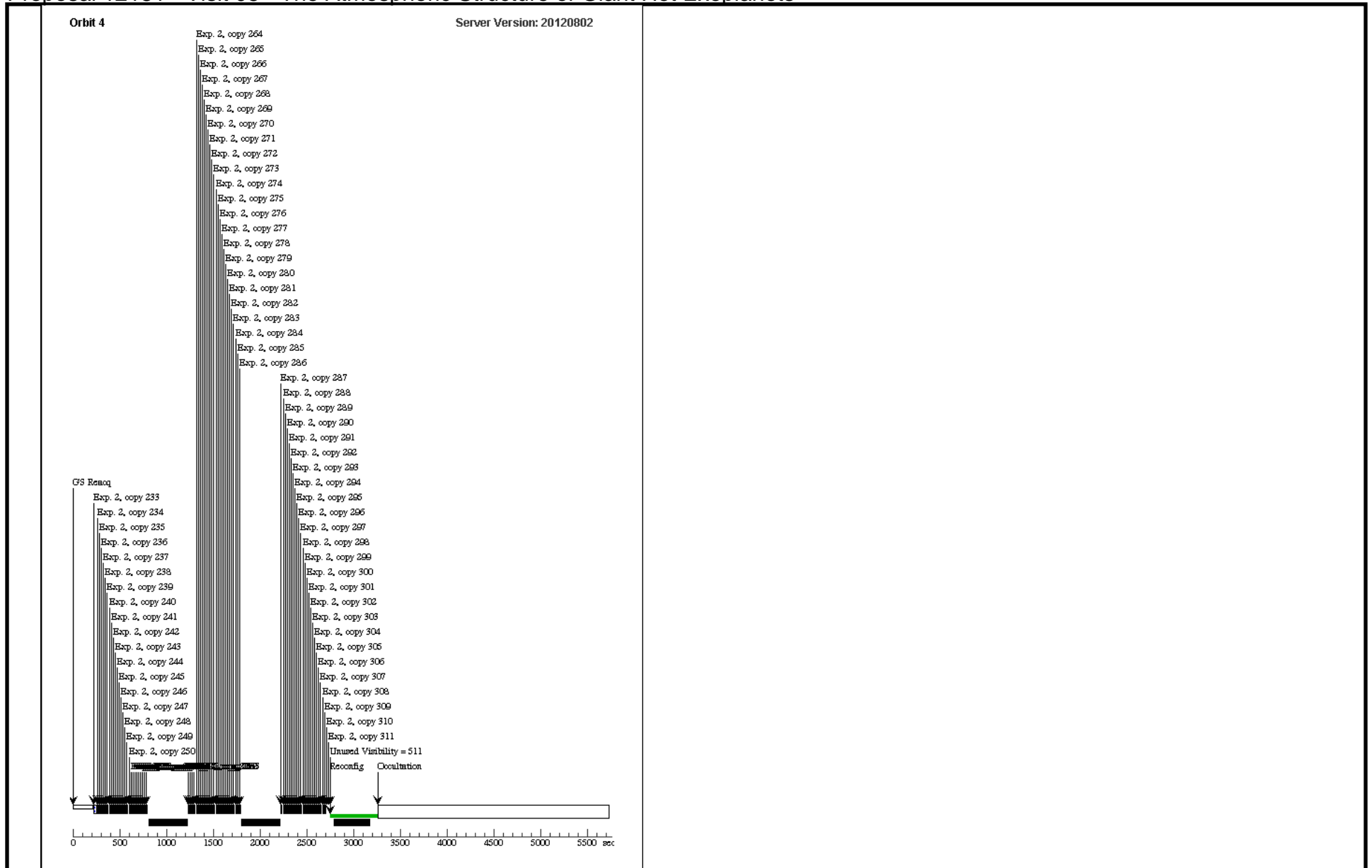


Proposal 12181 - Visit 05 - The Atmospheric Structure of Giant Hot Exoplanets





Proposal 12181 - Visit 05 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 06 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:21:16 GMT 2012

Visit	<p>Proposal 12181, Visit 06, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 3.7354417 D AND ZERO-PHASE HJD2454559.18102</p> <p><i>Comments: transt of WASP-17</i></p>					
Diagnostics	(Visit 06) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WASP-17	RA: 15 59 50.9500 (239.9622917d) Dec: -28 03 42.30 (-28.06175d) Equinox: J2000	Proper Motion RA: -7.9 mas/yr Proper Motion Dec: -11.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=11.59	Reference Frame: ICRS

Proposal 12181 - Visit 06 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) WASP-17	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.937 TO 0. 945		[==>]	[1]

Exposures

Proposal 12181 - Visit 06 - The Atmospheric Structure of Giant Hot Exoplanets

2	(1) WASP-17	WFC3/IR, MULTIACCUM, IRSUB512	G141	SAMP-SEQ=RAPID POS TARG -2.303,1 ; NSAMP=15		<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p>	[1]
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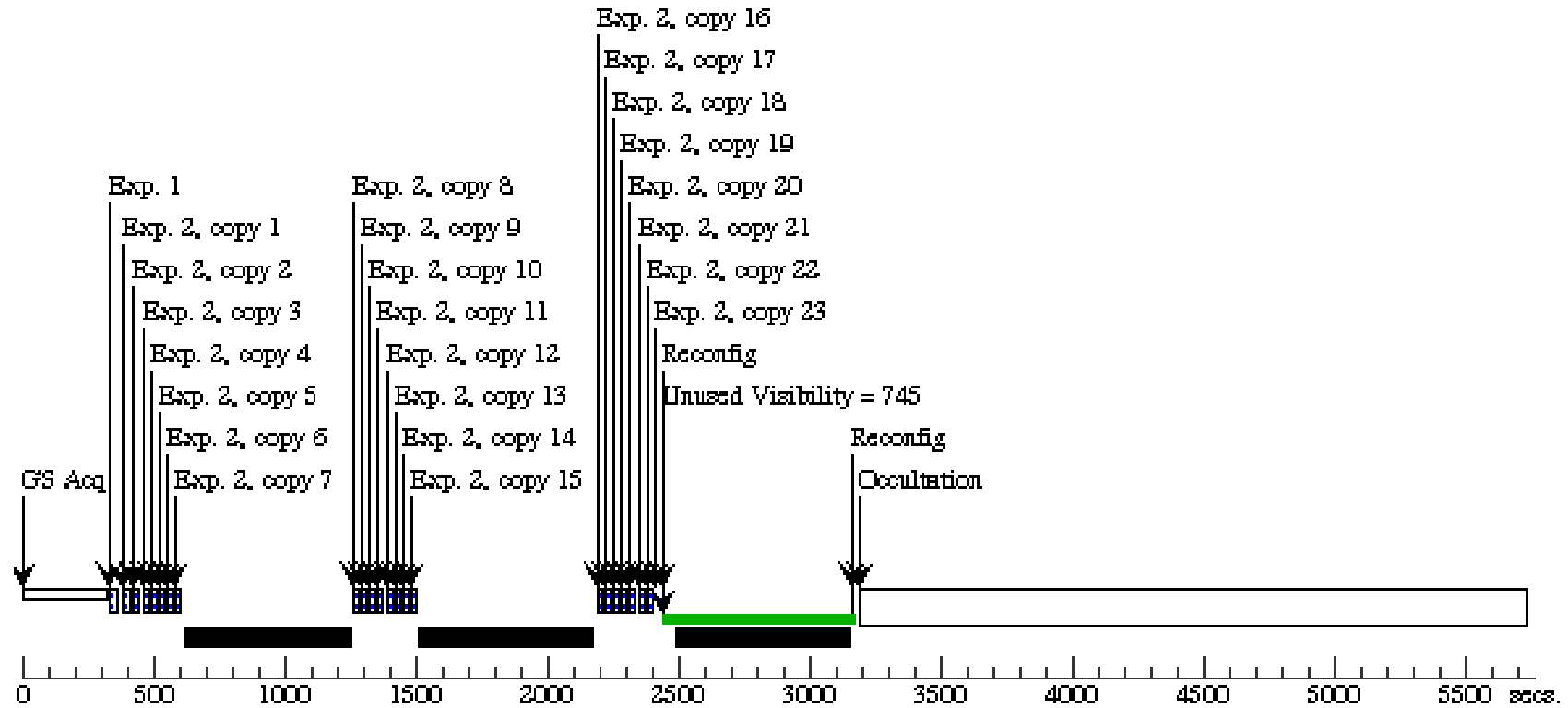
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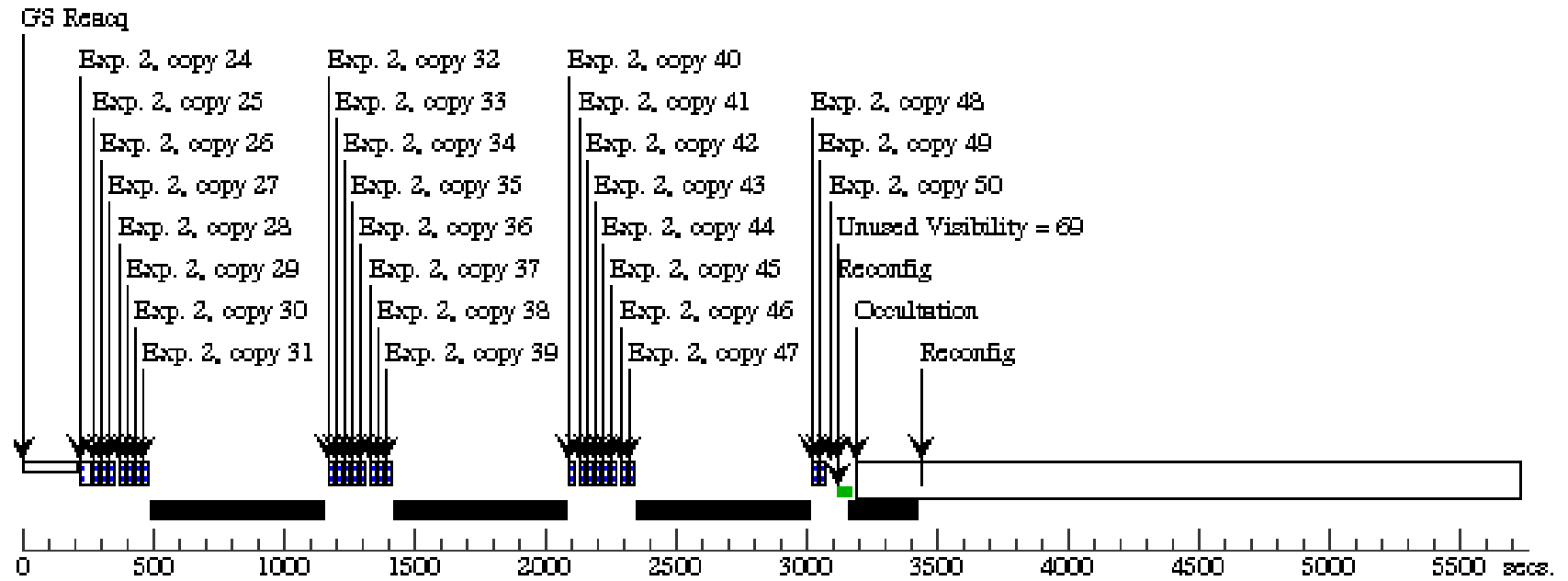
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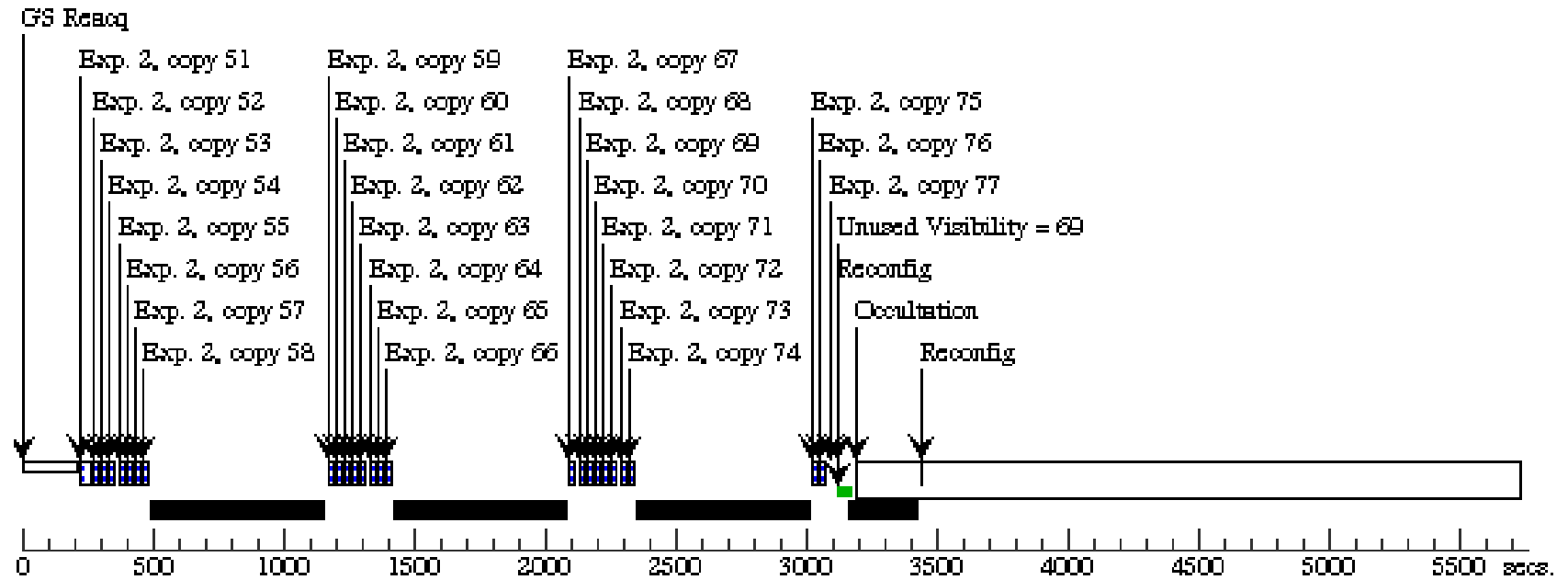
Orbit Structure



Orbit 2

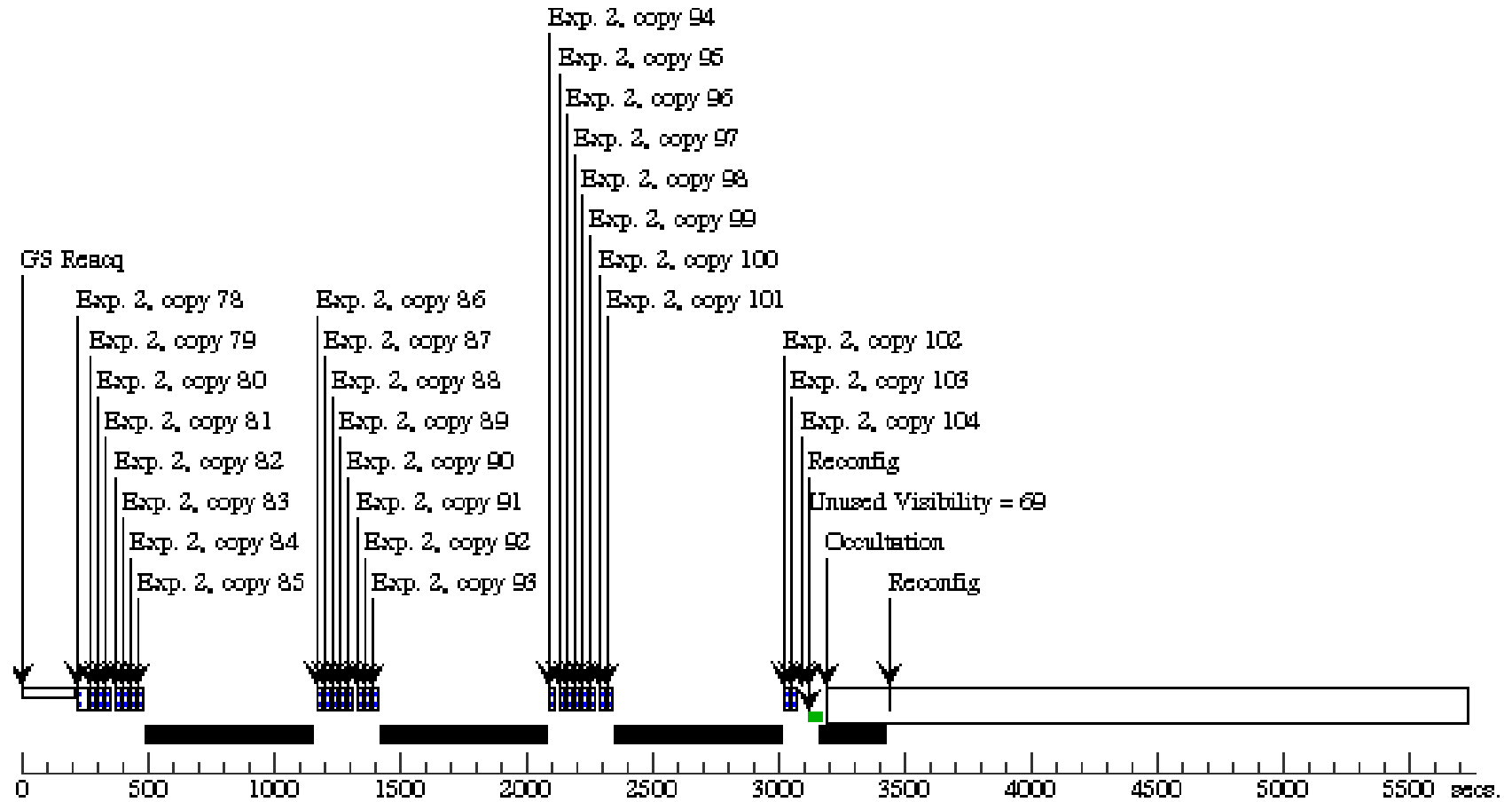


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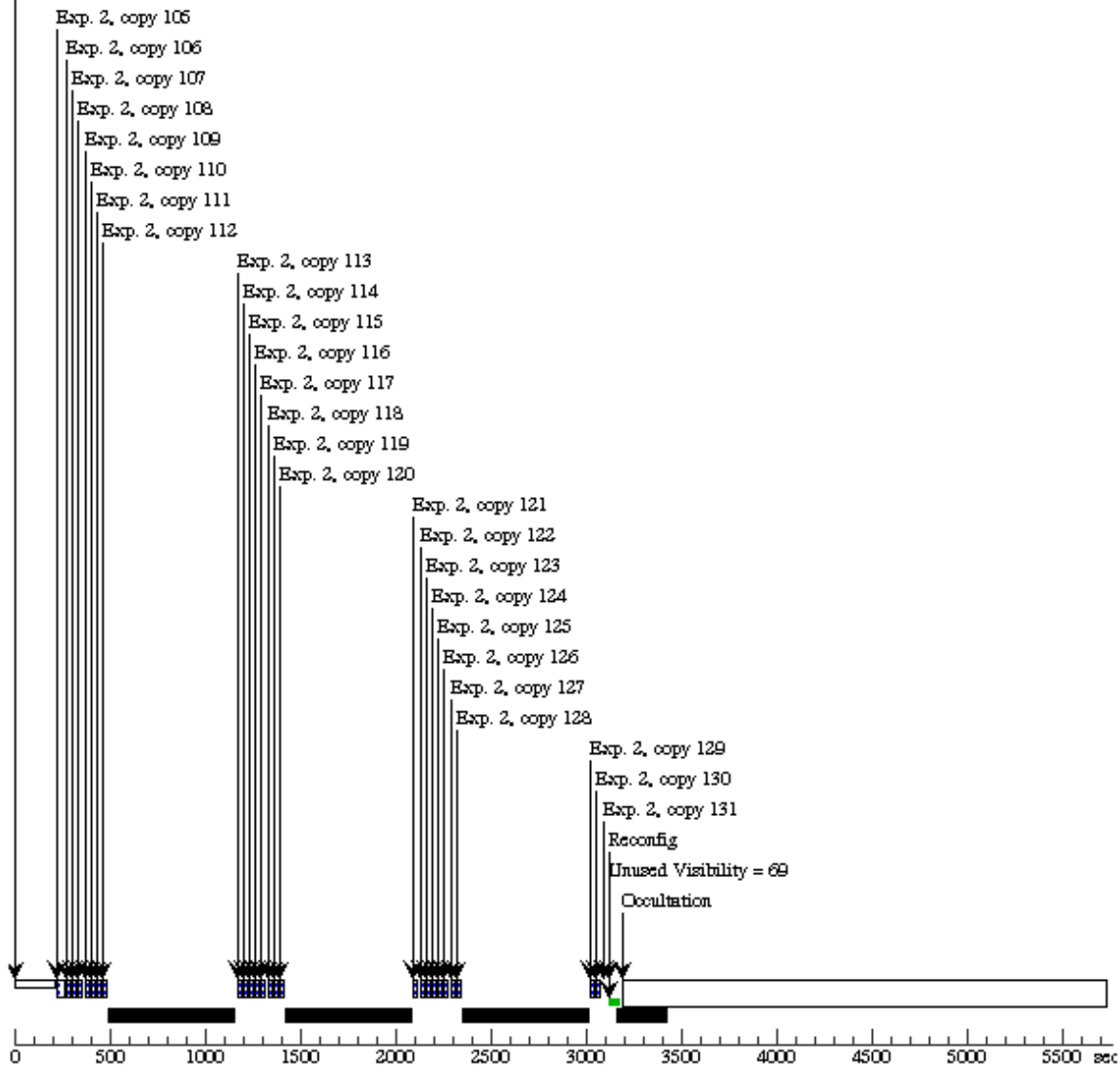
Orbit 4

Server Version: 20120802



Orbit 5

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Proposal 12181 - Visit 07 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:21:23 GMT 2012

Visit	<p>Proposal 12181, Visit 07, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 3.9415128 D AND ZERO-PHASE HJD2453808.91682</p> <p><i>Comments: transit of XO-1</i></p>					
Diagnostics	(Visit 07) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	XO-1	RA: 16 02 11.8400 (240.5493333d) Dec: +28 10 10.40 (28.16956d) Equinox: J2000	Proper Motion RA: -19.7 mas/yr Proper Motion Dec: 15.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=11.3	Reference Frame: ICRS

Proposal 12181 - Visit 07 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(4) XO-1	WFC3/IR, MULTIACCUM, IRSUB128	F139M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 0.0,0.0; PHASE 0.950 TO 0. 955		[==>]	[1]

Exposures

Proposal 12181 - Visit 07 - The Atmospheric Structure of Giant Hot Exoplanets

2	(4) XO-1	WFC3/IR, MULTIACCUM, GRISM128	G141	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG 0.0,-1.3; SPATIAL SCAN 0.0 5,90.0 Degrees,Forw ard	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p> <p>[==>(Copy 24)]</p>	[1]
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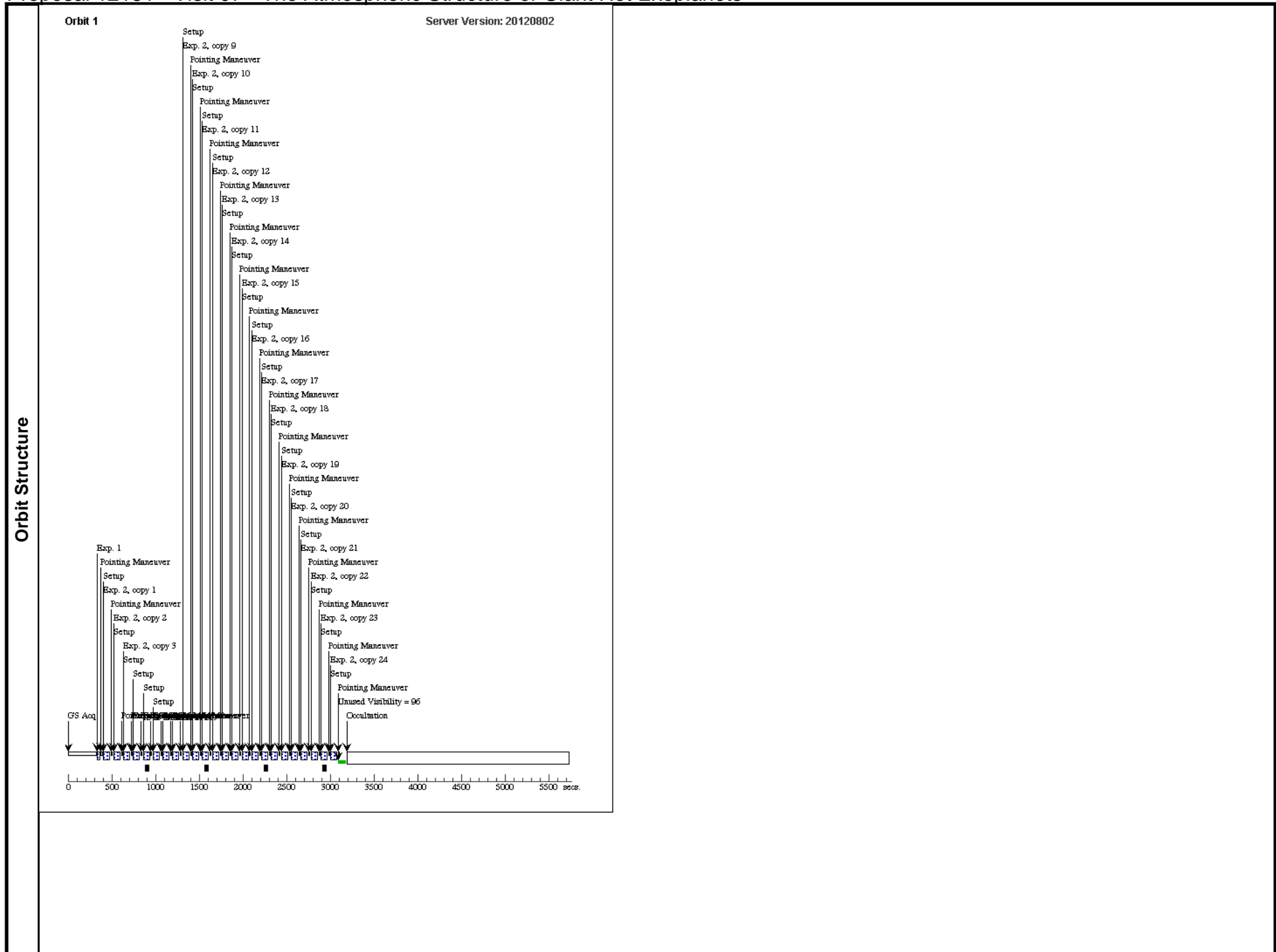
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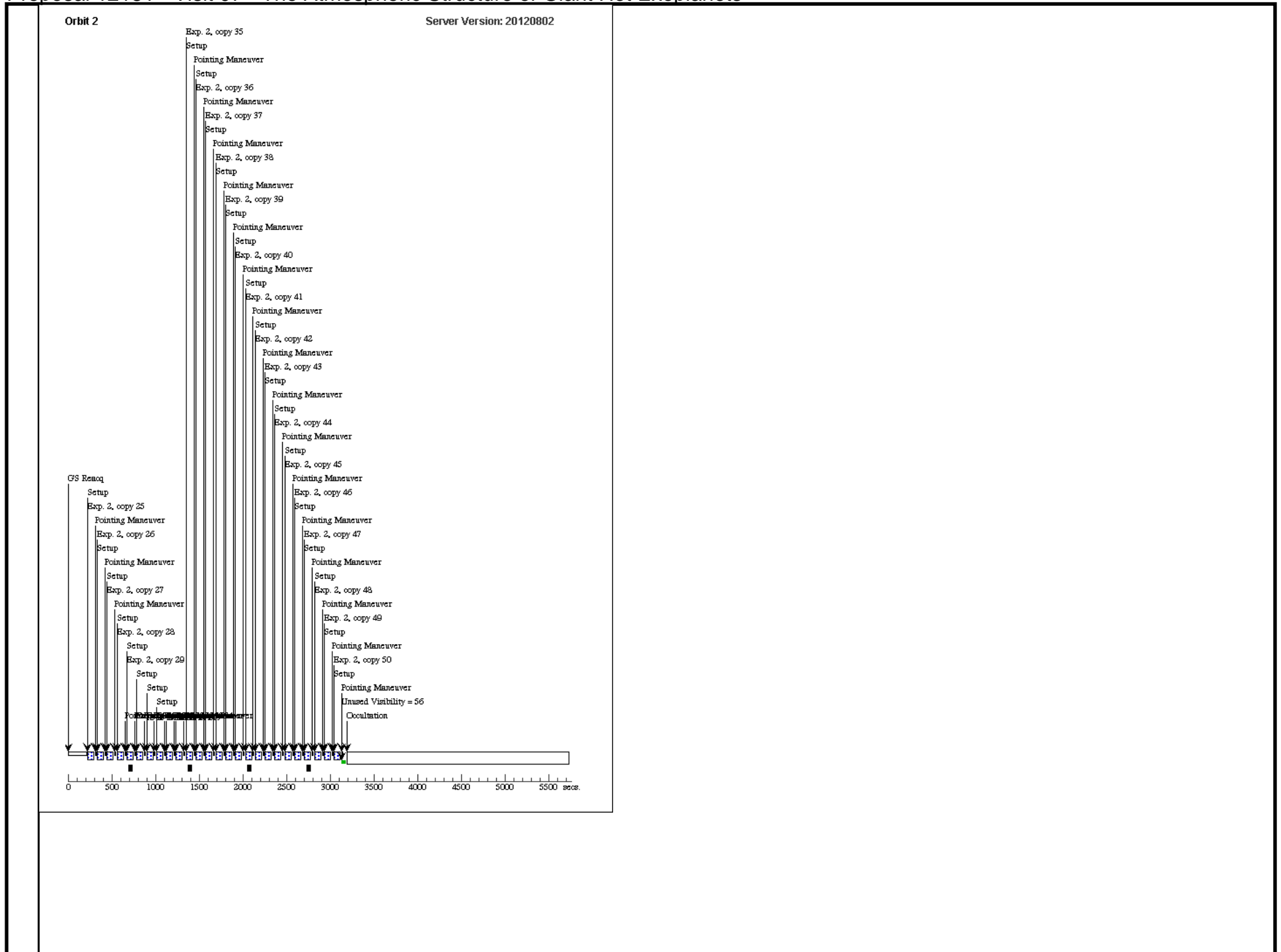
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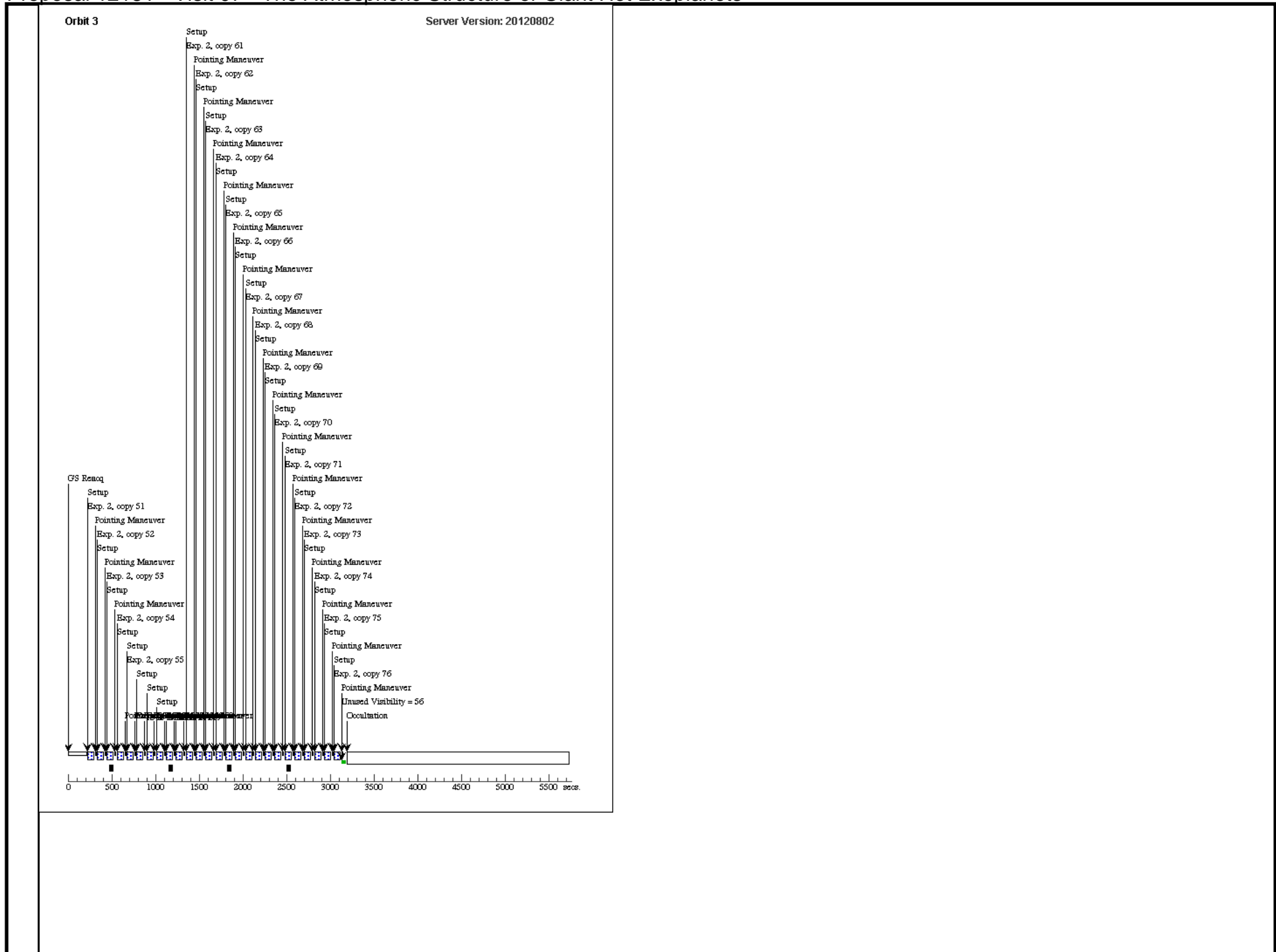
Proposal 12181 - Visit 07 - The Atmospheric Structure of Giant Hot Exoplanets

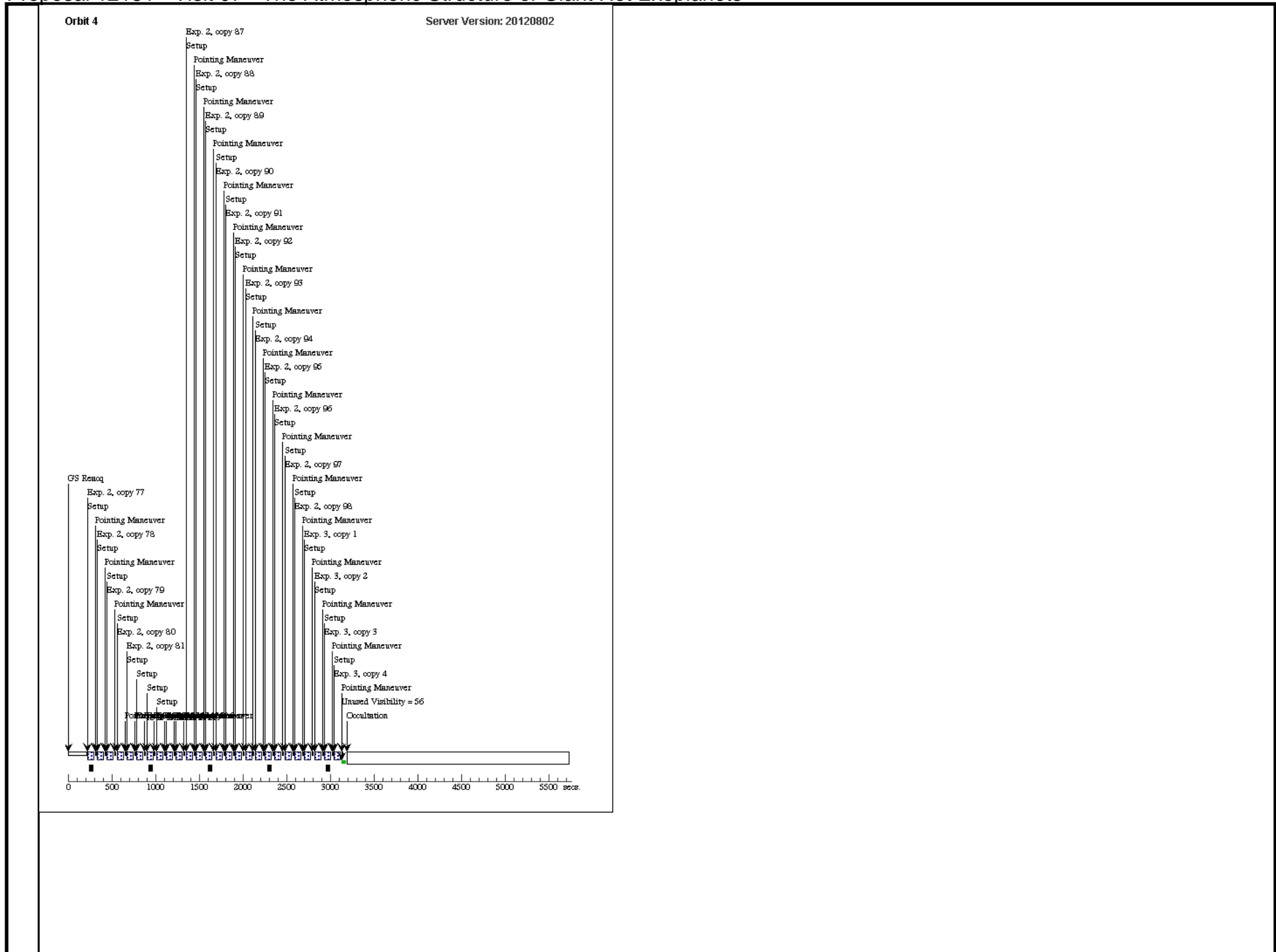
3	(4) XO-1	WFC3/IR, MULTIACCUM, GRISM128	G141	SAMP-SEQ=SPARS 10; NSAMP=8	POS TARG null,-1.3 0; SPATIAL SCAN 0.0 5,90.0 Degrees,Forward; NEW OBSET	[==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)]	[4]
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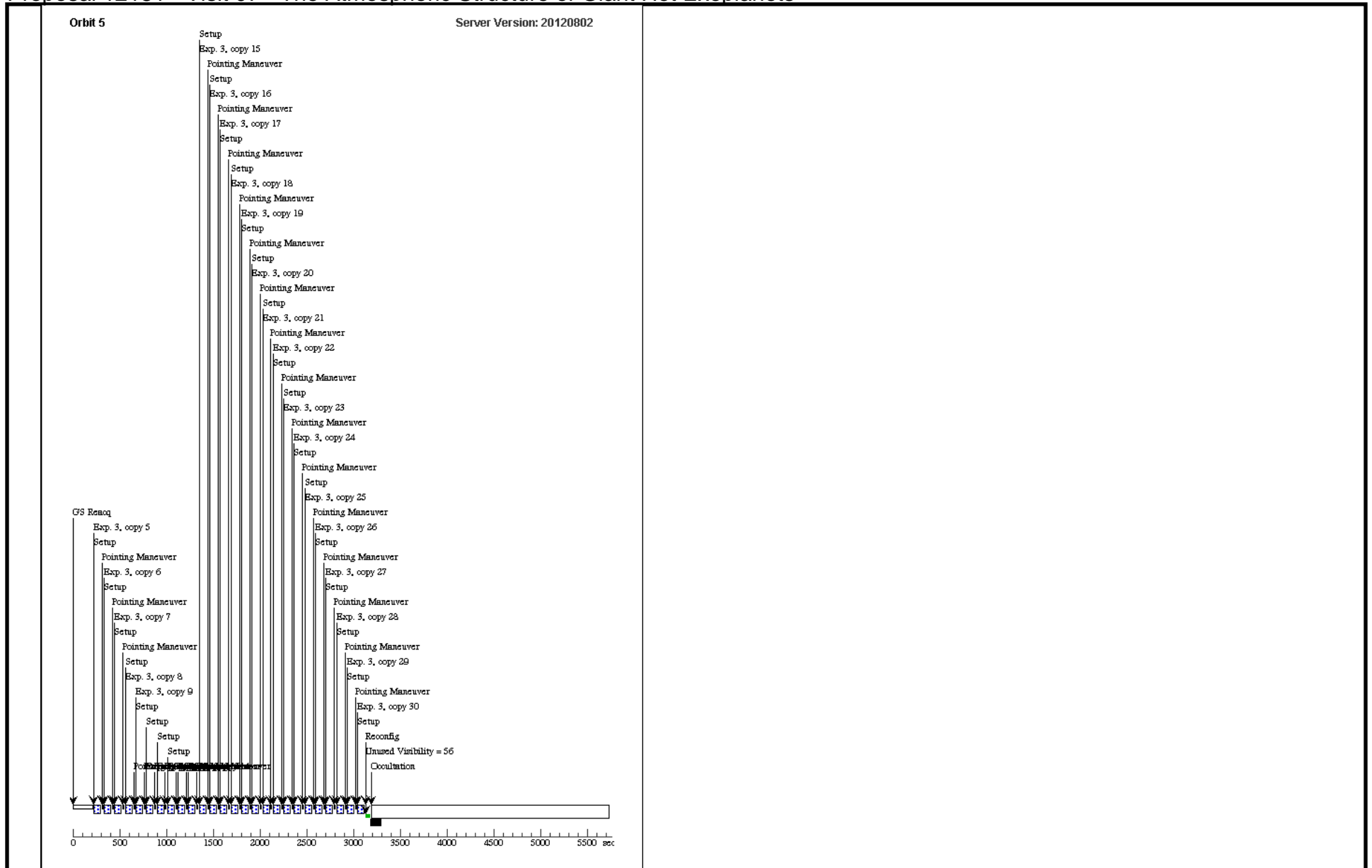
Proposal 12181 - Visit 07 - The Atmospheric Structure of Giant Hot Exoplanets







Proposal 12181 - Visit 07 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 08 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:21:32 GMT 2012

Visit	<p>Proposal 12181, Visit 08, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 3.553945 D AND ZERO-PHASE HJD2454230.9053</p> <p><i>Comments: transt of TrES-4</i></p>					
Diagnostics	(Visit 08) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	TRES-4	RA: 17 53 13.0000 (268.3041667d) Dec: +37 12 42.00 (37.21167d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=11.6	Reference Frame: ICRS

Proposal 12181 - Visit 08 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(5) TRES-4	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.934 TO 0. 942		[==>]	[1]

Exposures

Proposal 12181 - Visit 08 - The Atmospheric Structure of Giant Hot Exoplanets

2	(5) TRES-4	WFC3/IR, MULTIACCUM, IRSUB512	G141	SAMP-SEQ=RAPID POS TARG -2.303,1 ; NSAMP=15	.202	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p> <p>[==>(Copy 24)]</p> <p>[==>(Copy 25)]</p>	[1]
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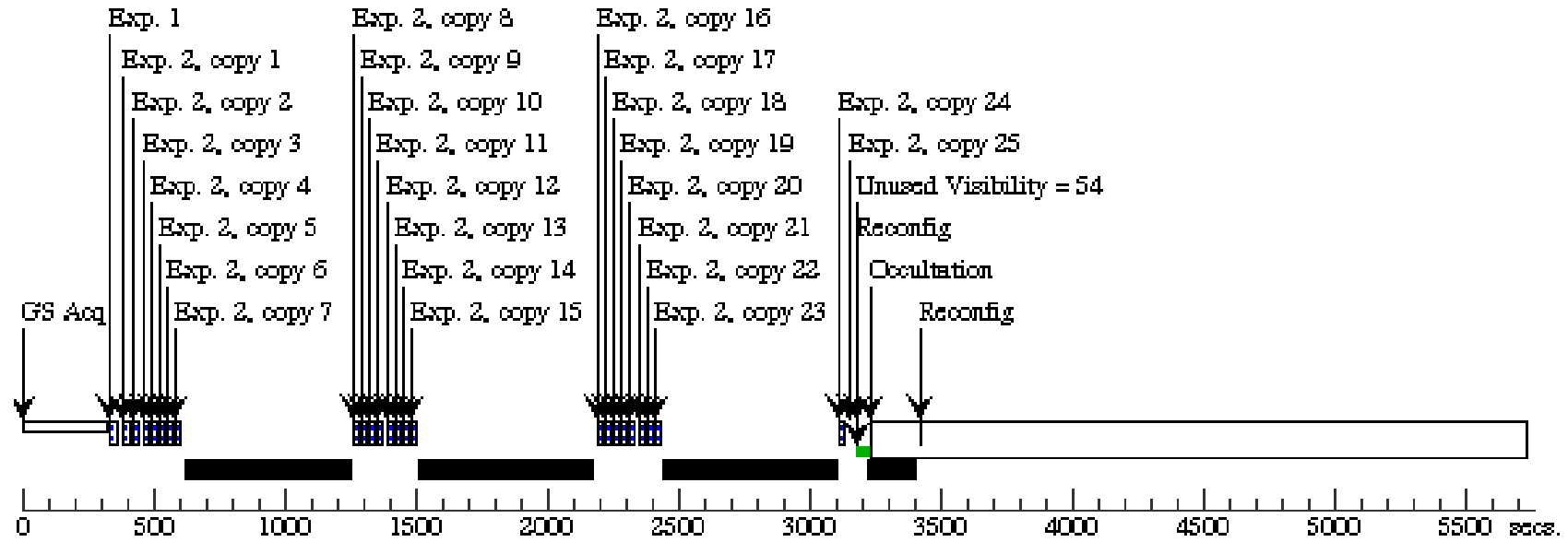
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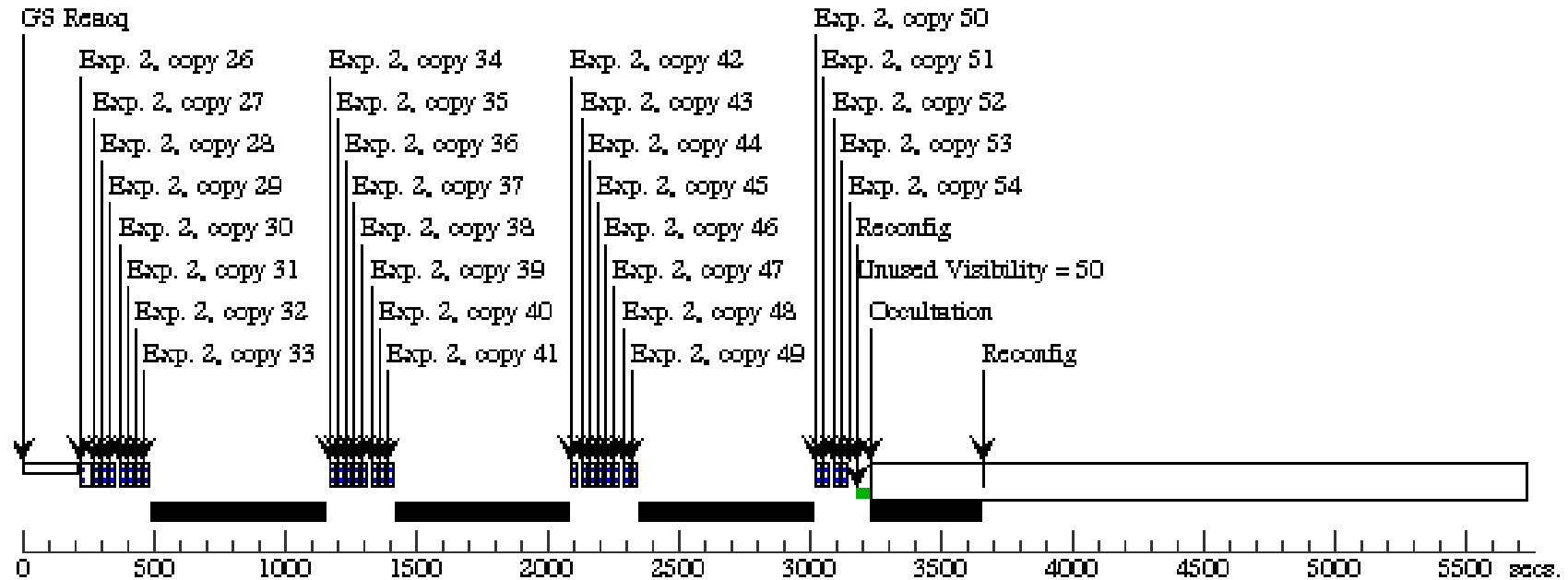
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Orbit 1

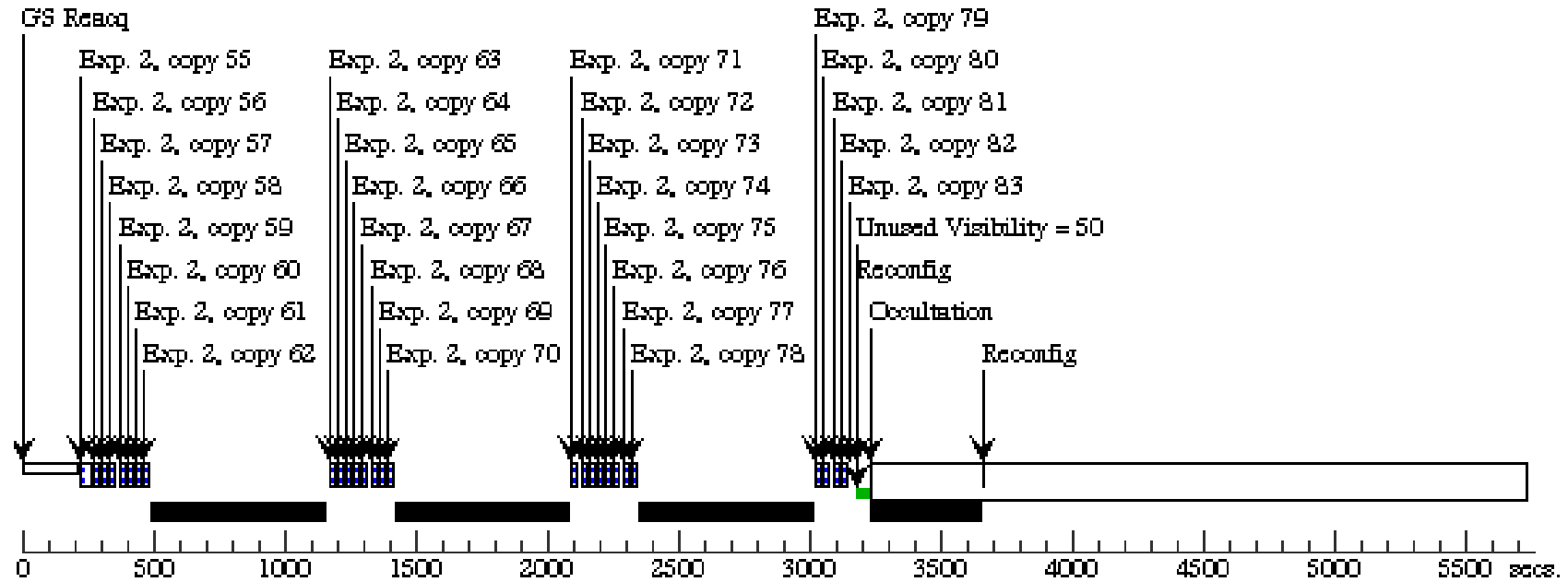


Orbit Structure

Orbit 2

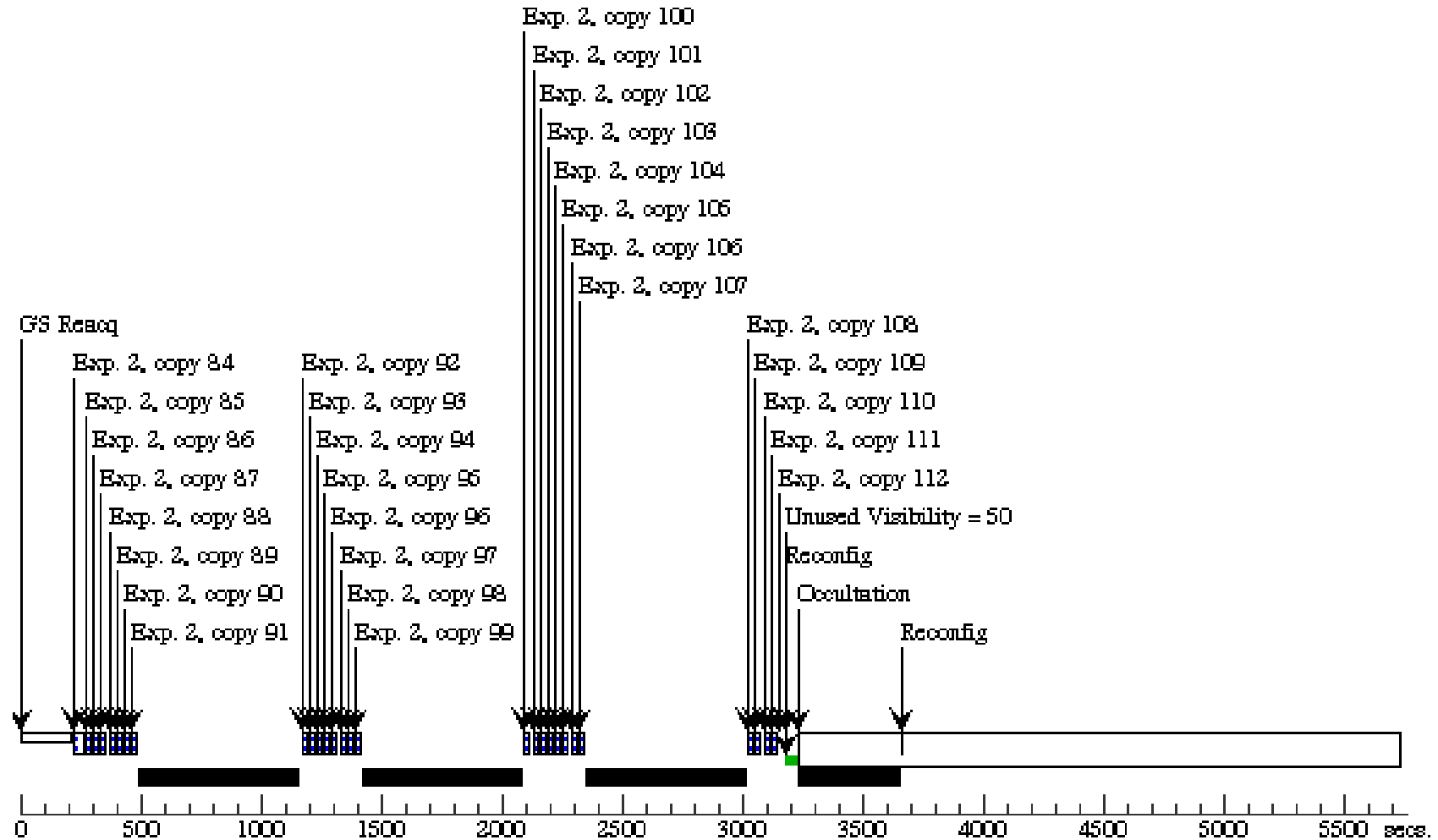


Orbit 3



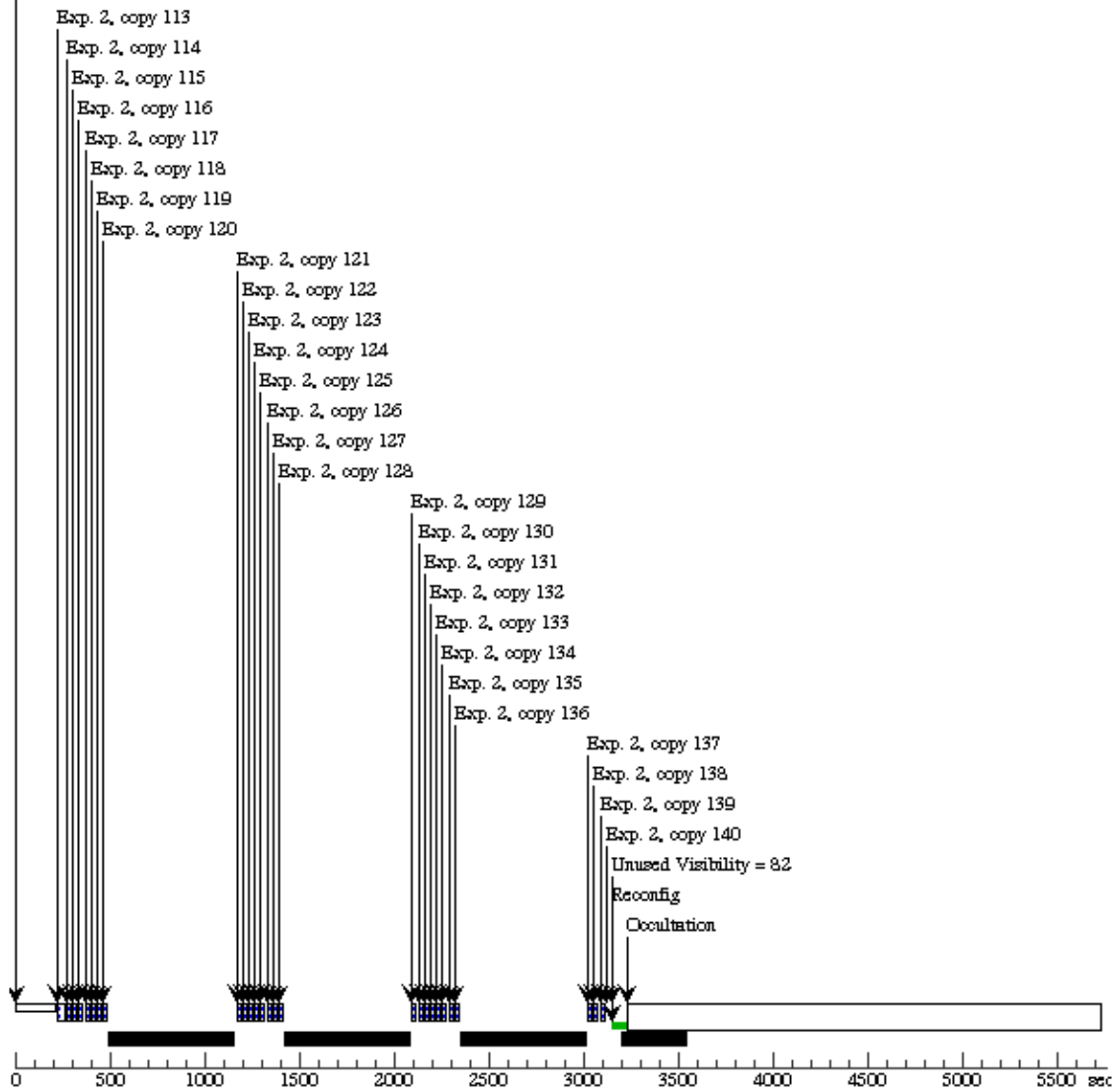
Orbit 4

Server Version: 20120802



Orbit 5

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Proposal 12181 - Visit 09 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:21:38 GMT 2012

Visit	<p>Proposal 12181, Visit 09, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 2.91625 D AND ZERO-PHASE HJD2454779.92976</p> <p><i>Comments: transt of HAT-13</i></p>												
Diagnostics	<p>(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 09) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</p> <p>(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN</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>(6)</td> <td>HAT-13</td> <td>RA: 08 39 31.8000 (129.8825000d) Dec: +47 21 7.30 (47.35203d) Equinox: J2000</td> <td>Proper Motion RA: -25.2 mas/yr Proper Motion Dec: -27.6 mas/yr Epoch of Position: 2000.0</td> <td>V=10.4</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	HAT-13	RA: 08 39 31.8000 (129.8825000d) Dec: +47 21 7.30 (47.35203d) Equinox: J2000	Proper Motion RA: -25.2 mas/yr Proper Motion Dec: -27.6 mas/yr Epoch of Position: 2000.0	V=10.4	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(6)	HAT-13	RA: 08 39 31.8000 (129.8825000d) Dec: +47 21 7.30 (47.35203d) Equinox: J2000	Proper Motion RA: -25.2 mas/yr Proper Motion Dec: -27.6 mas/yr Epoch of Position: 2000.0	V=10.4	Reference Frame: ICRS								

Proposal 12181 - Visit 09 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(6) HAT-13	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.925 TO 0. 947	[==>]	[1]		

Exposures

Proposal 12181 - Visit 09 - The Atmospheric Structure of Giant Hot Exoplanets

2	(6) HAT-13	WFC3/IR, MULTIACCUM, IRSUB512	G141	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p> <p>[==>(Copy 24)]</p> <p>[==>(Copy 25)]</p> <p>[==>(Copy 26)]</p> <p>[==>(Copy 27)]</p> <p>[==>(Copy 28)]</p> <p>[==>(Copy 29)]</p> <p>[==>(Copy 30)]</p> <p>[==>(Copy 31)]</p> <p>[==>(Copy 32)]</p> <p>[==>(Copy 33)]</p> <p>[==>(Copy 34)]</p> <p>[==>(Copy 35)]</p> <p>[==>(Copy 36)]</p> <p>[==>(Copy 37)]</p> <p>[==>(Copy 38)]</p> <p>[==>(Copy 39)]</p>	[1]
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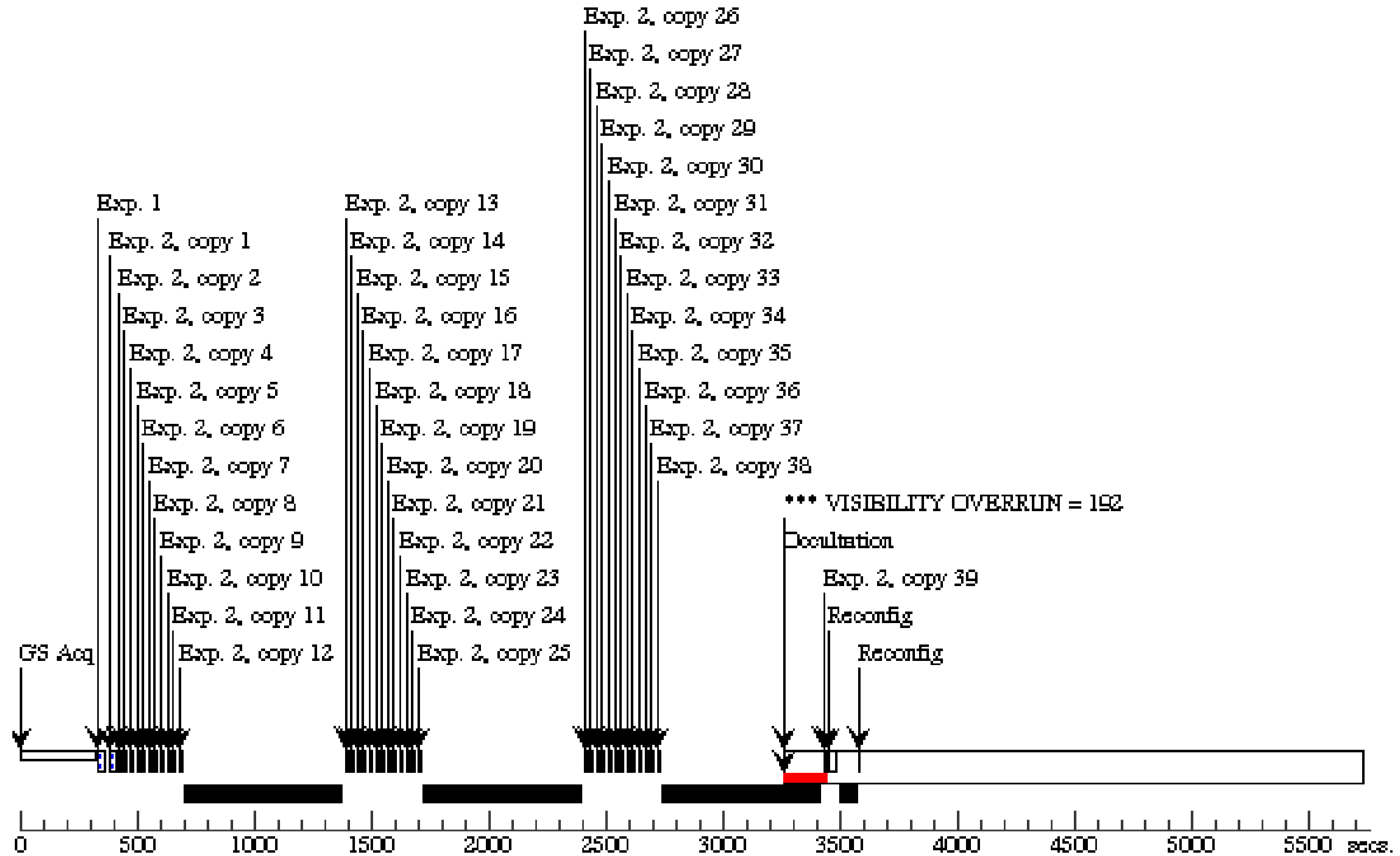
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Orbit 1

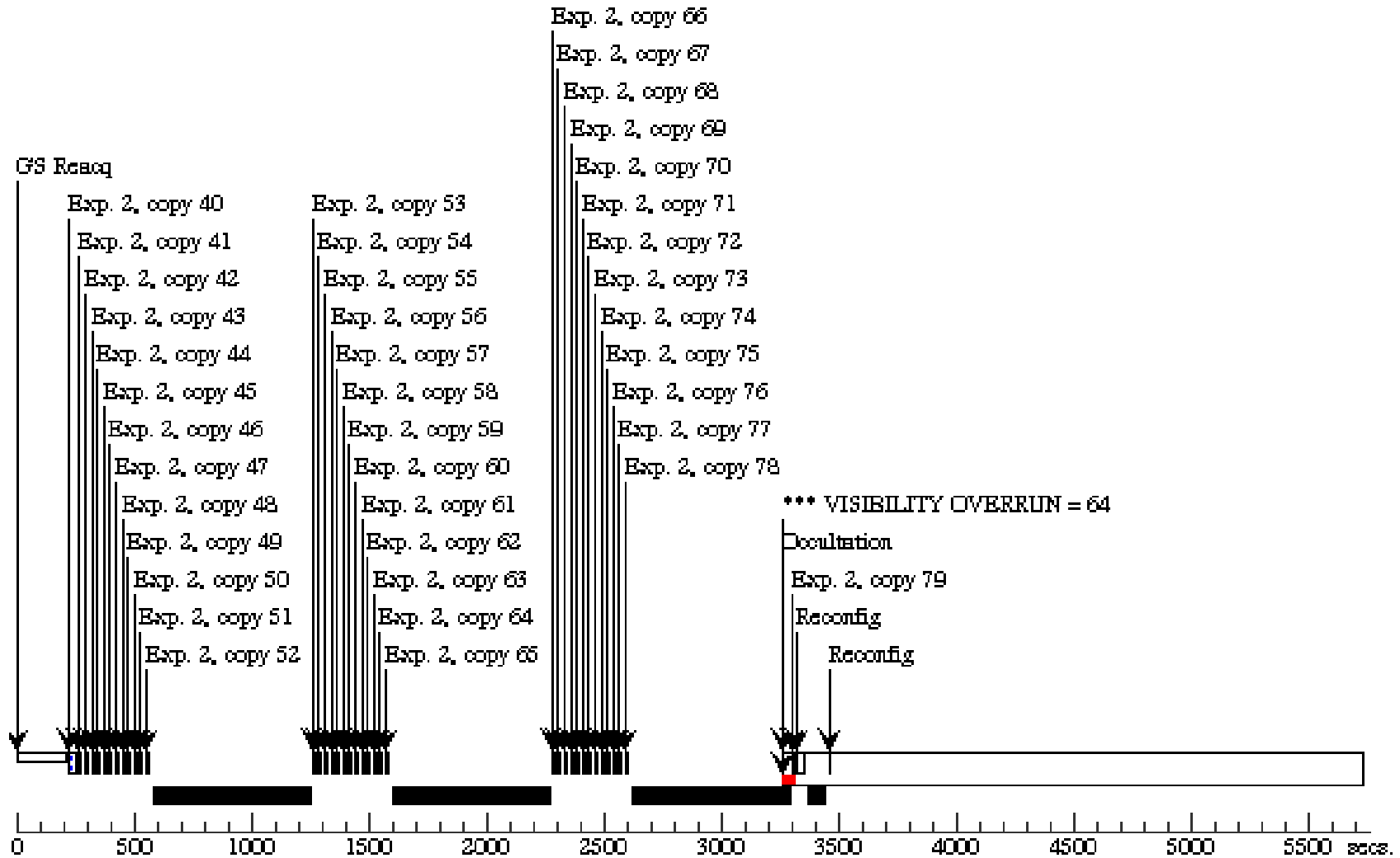
Server Version: 20120802

Orbit Structure

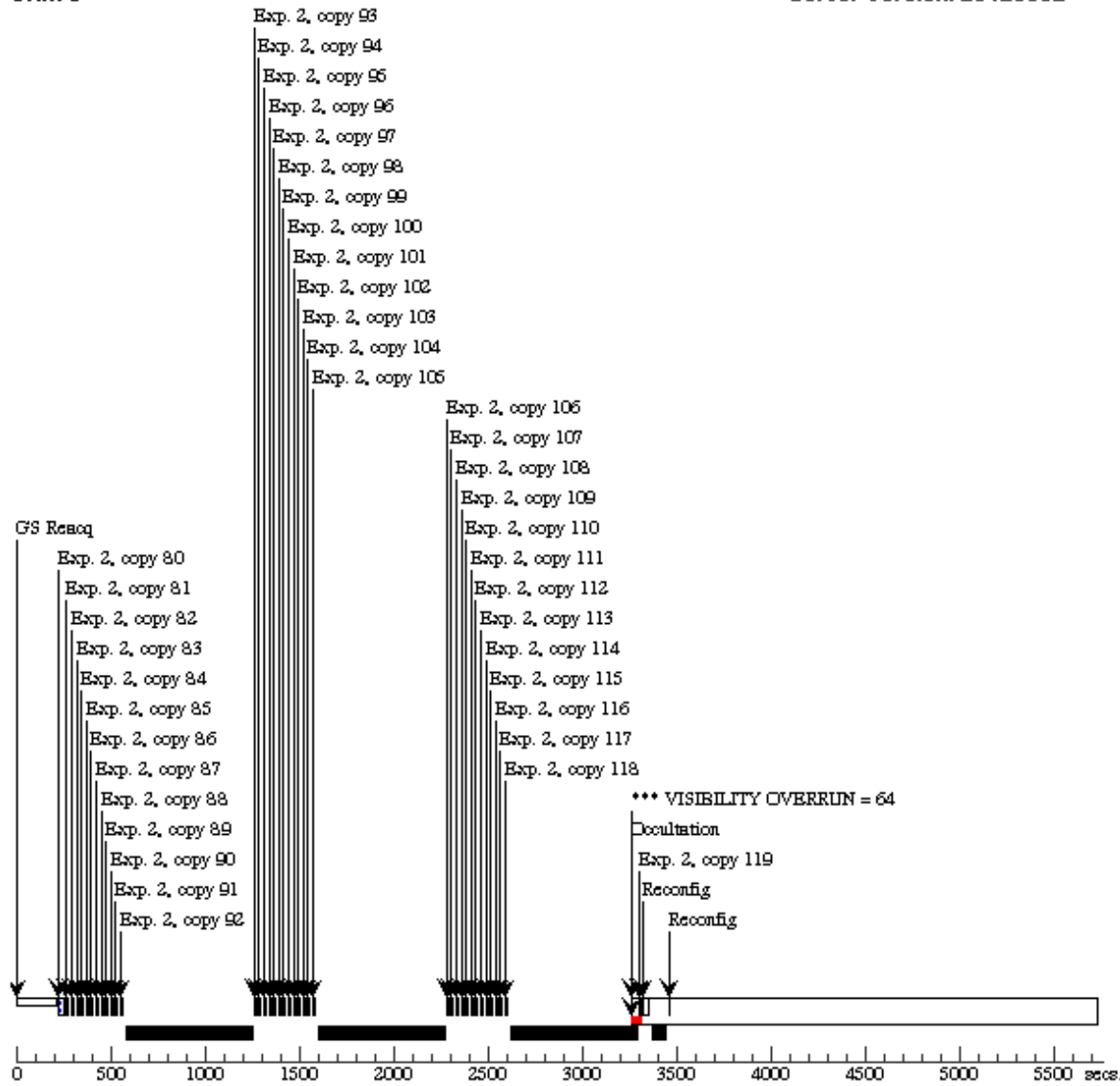


Orbit 2

Server Version: 20120802



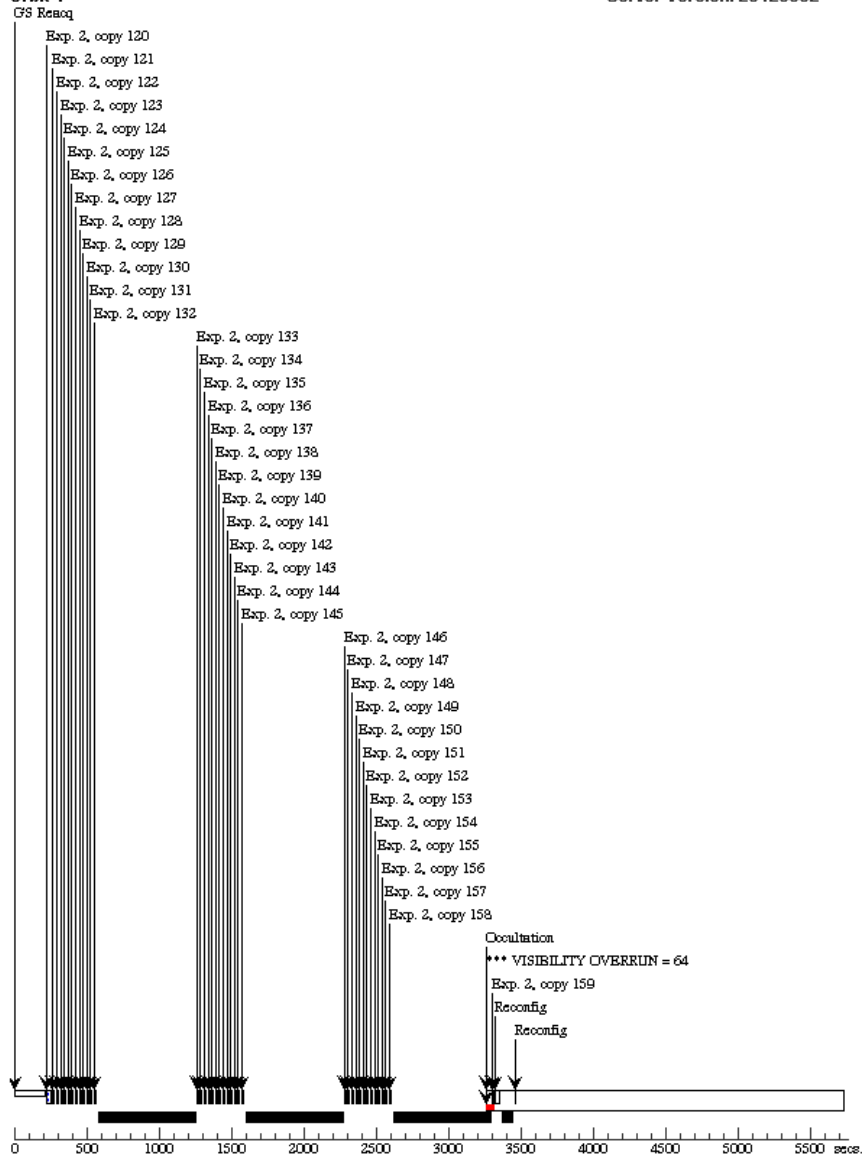
Orbit 3

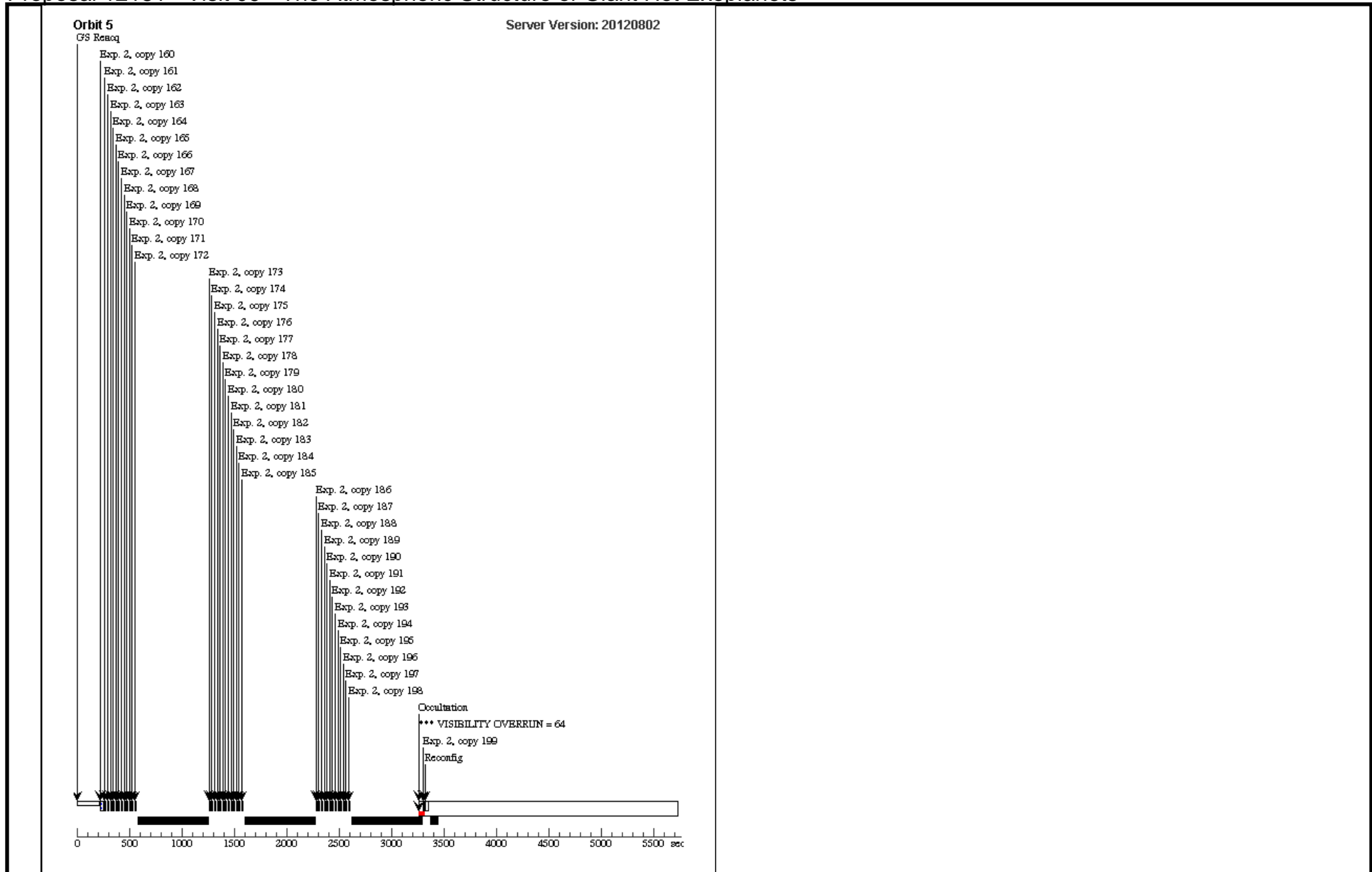


Proposal 12181 - Visit 09 - The Atmospheric Structure of Giant Hot Exoplanets

Orbit 4

Server Version: 20120802





Proposal 12181 - Visit 10 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:21:48 GMT 2012

Visit	<p>Proposal 12181, Visit 10, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 2.2047308 D AND ZERO-PHASE HJD2454700.81308</p> <p><i>Comments: transt of HAT-7</i></p>					
Diagnostics	(Visit 10) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	HAT-7	RA: 19 28 59.3600 (292.2473333d) Dec: +47 58 10.30 (47.96953d) Equinox: J2000	Proper Motion RA: -13.40 mas/yr Proper Motion Dec: 13.98 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=10.5	Reference Frame: ICRS

Proposal 12181 - Visit 10 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(16) HAT-7	(16) HAT-7	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG 0.0,0.0; PHASE 0.896 TO 0. 904		[==>]	[1]

Exposures

Proposal 12181 - Visit 10 - The Atmospheric Structure of Giant Hot Exoplanets

2	(16) HAT-7	WFC3/IR, MULTIACCUM, GRISM512	G141	SAMP-SEQ=RAPID POS TARG 0.0,0.0 ; NSAMP=7		
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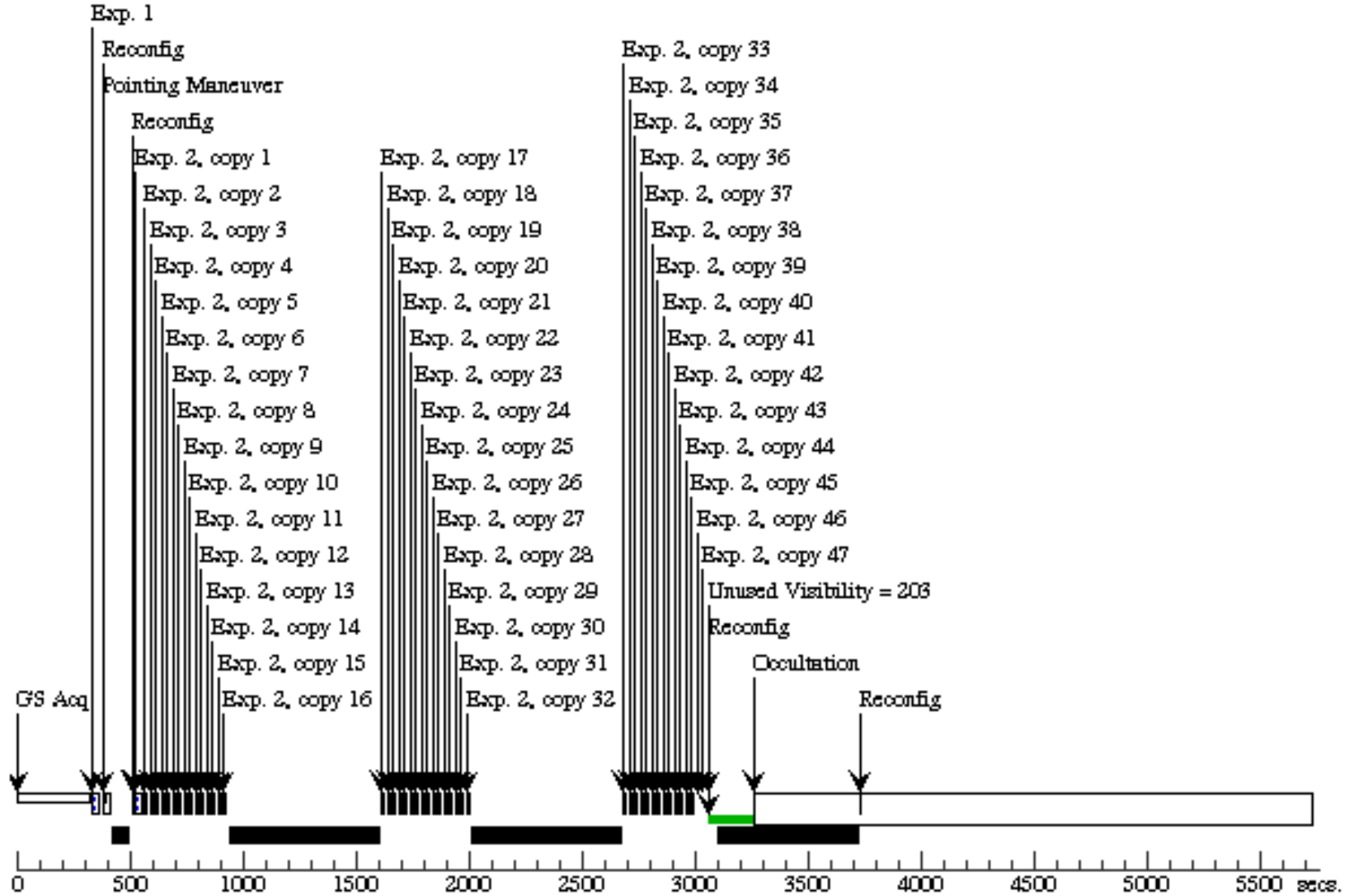
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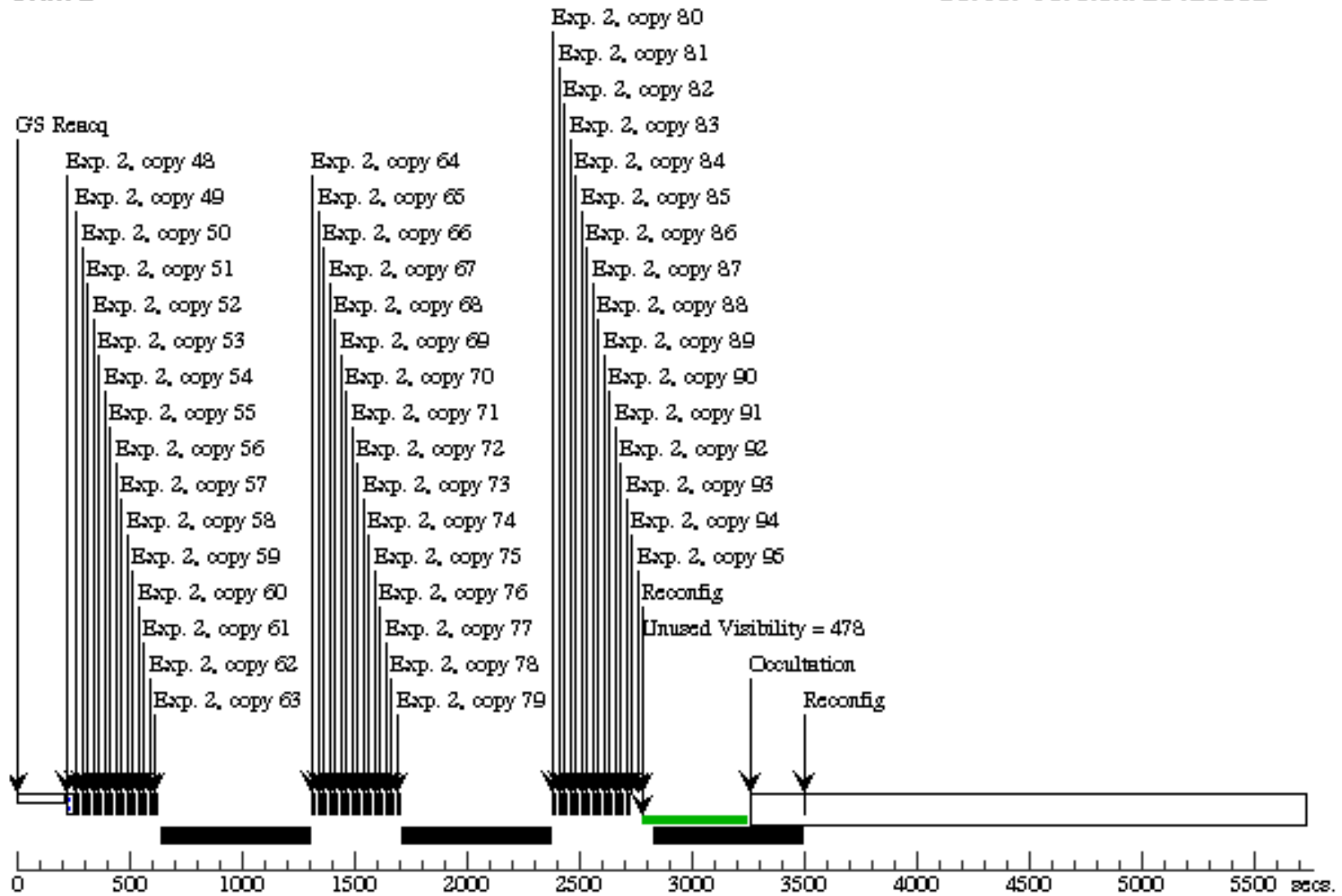
Orbit Structure

Orbit 1



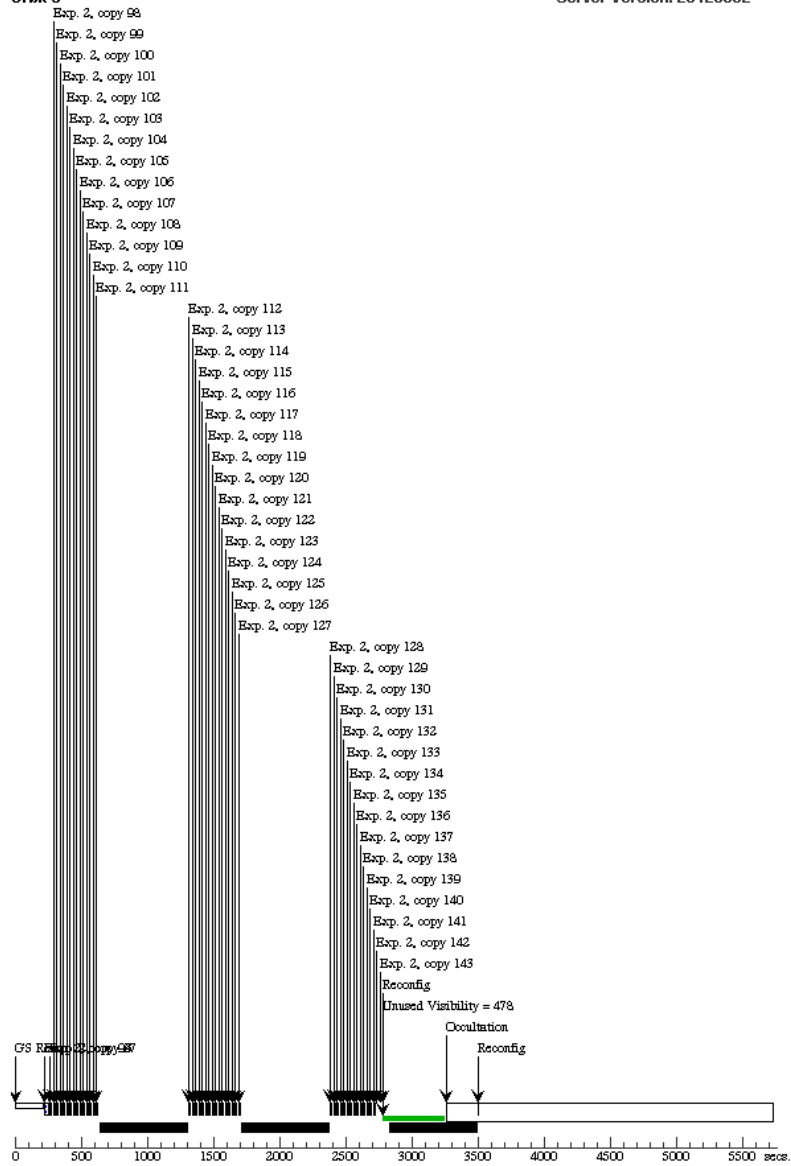
Orbit 2

Server Version: 20120802



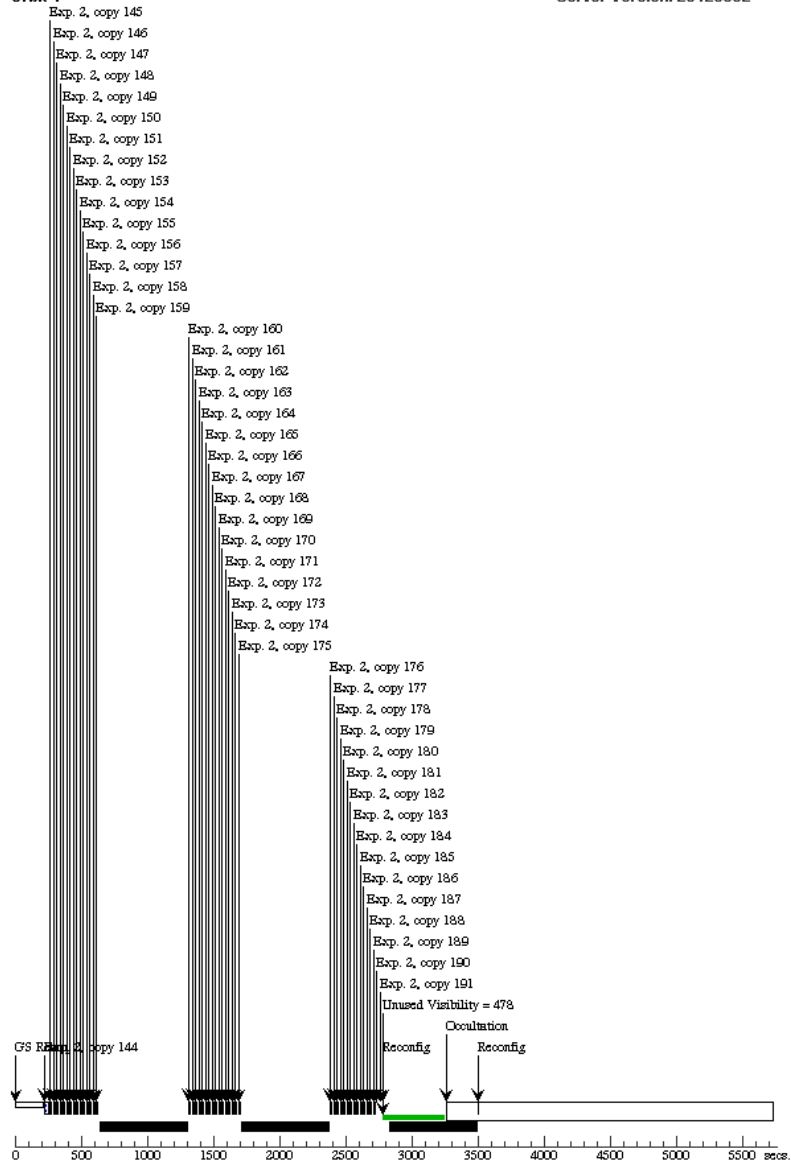
Orbit 3

Server Version: 20120802

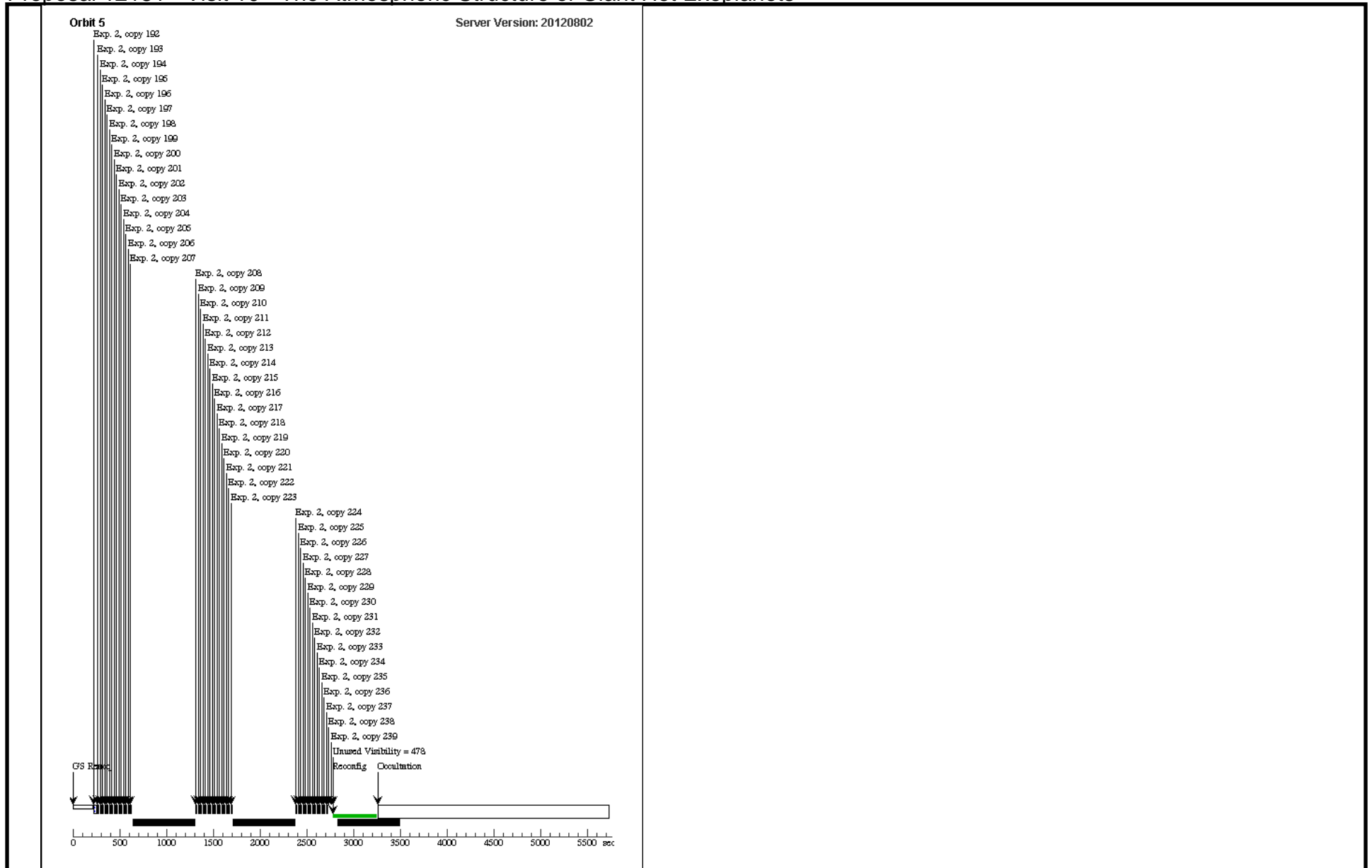


Orbit 4

Server Version: 20120802



Proposal 12181 - Visit 10 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 11 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:22:03 GMT 2012

Visit	<p>Proposal 12181, Visit 11, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 2.2047308 D AND ZERO-PHASE HJD2454700.81308</p> <p><i>Comments: eclipse of HAT-7</i></p>					
Diagnostics	<p>(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 11) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	HAT-7	RA: 19 28 59.3600 (292.2473333d) Dec: +47 58 10.30 (47.96953d) Equinox: J2000	Proper Motion RA: -13.40 mas/yr Proper Motion Dec: 13.98 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=10.5	Reference Frame: ICRS

Proposal 12181 - Visit 11 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(16) HAT-7	(16) HAT-7	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.396 TO 0. 404		[==>]	[1]

Exposures

Proposal 12181 - Visit 11 - The Atmospheric Structure of Giant Hot Exoplanets

2	(16) HAT-7	WFC3/IR, MULTIACCUM, IRSUB512	G141	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p> <p>[==>(Copy 24)]</p> <p>[==>(Copy 25)]</p> <p>[==>(Copy 26)]</p> <p>[==>(Copy 27)]</p> <p>[==>(Copy 28)]</p> <p>[==>(Copy 29)]</p> <p>[==>(Copy 30)]</p> <p>[==>(Copy 31)]</p> <p>[==>(Copy 32)]</p> <p>[==>(Copy 33)]</p> <p>[==>(Copy 34)]</p> <p>[==>(Copy 35)]</p> <p>[==>(Copy 36)]</p> <p>[==>(Copy 37)]</p> <p>[==>(Copy 38)]</p> <p>[==>(Copy 39)]</p>	[1]
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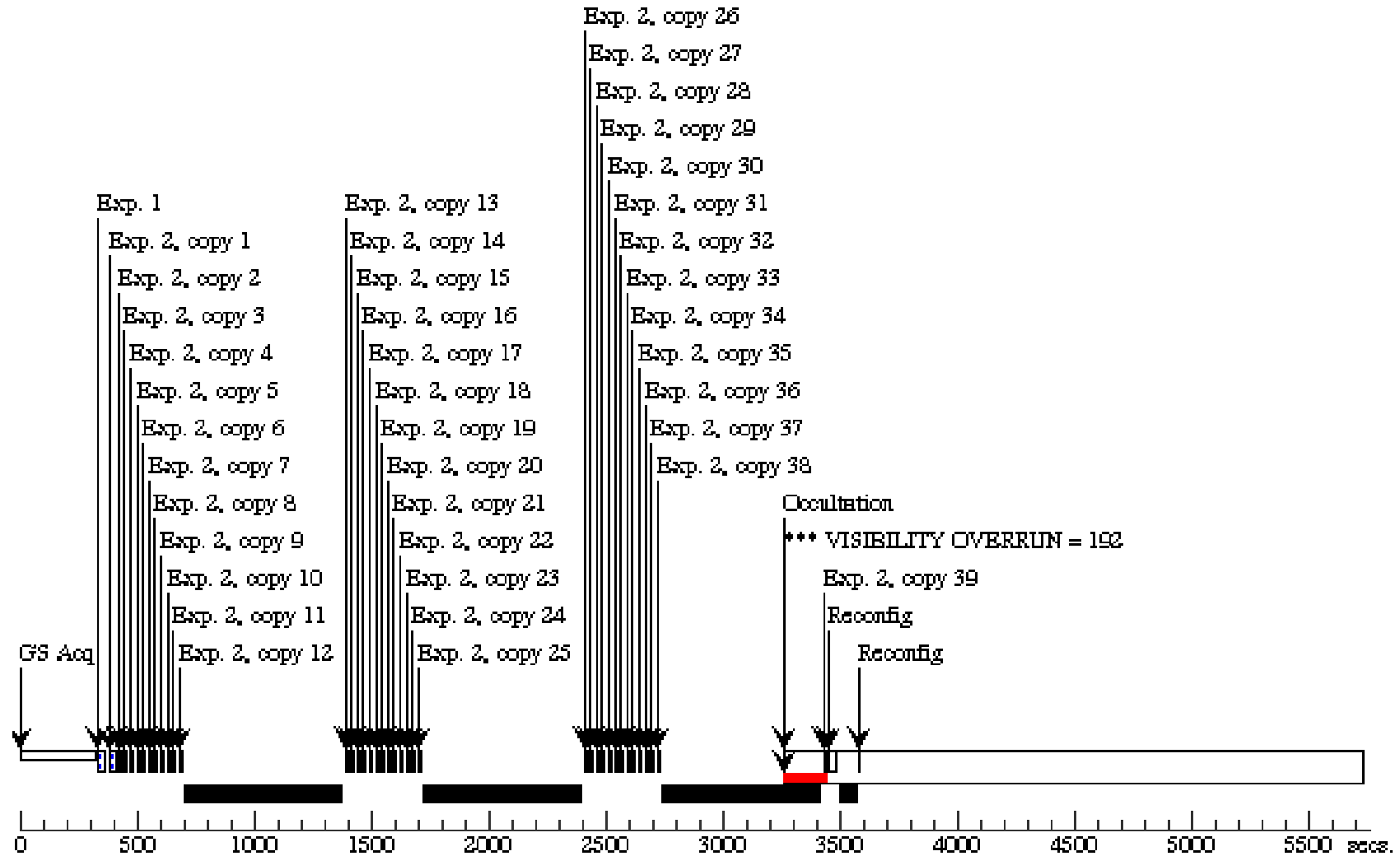
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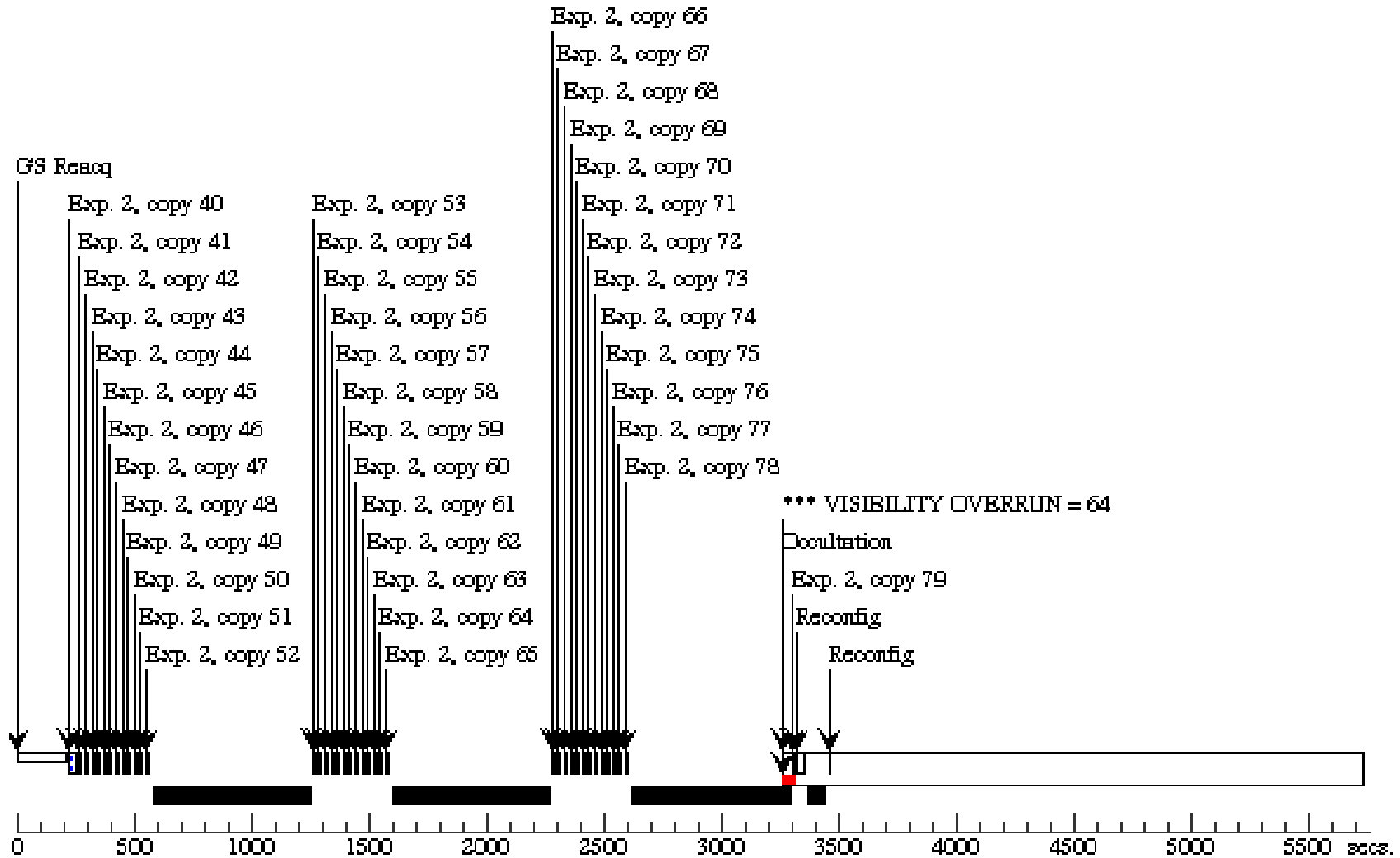
Server Version: 20120802

Orbit Structure

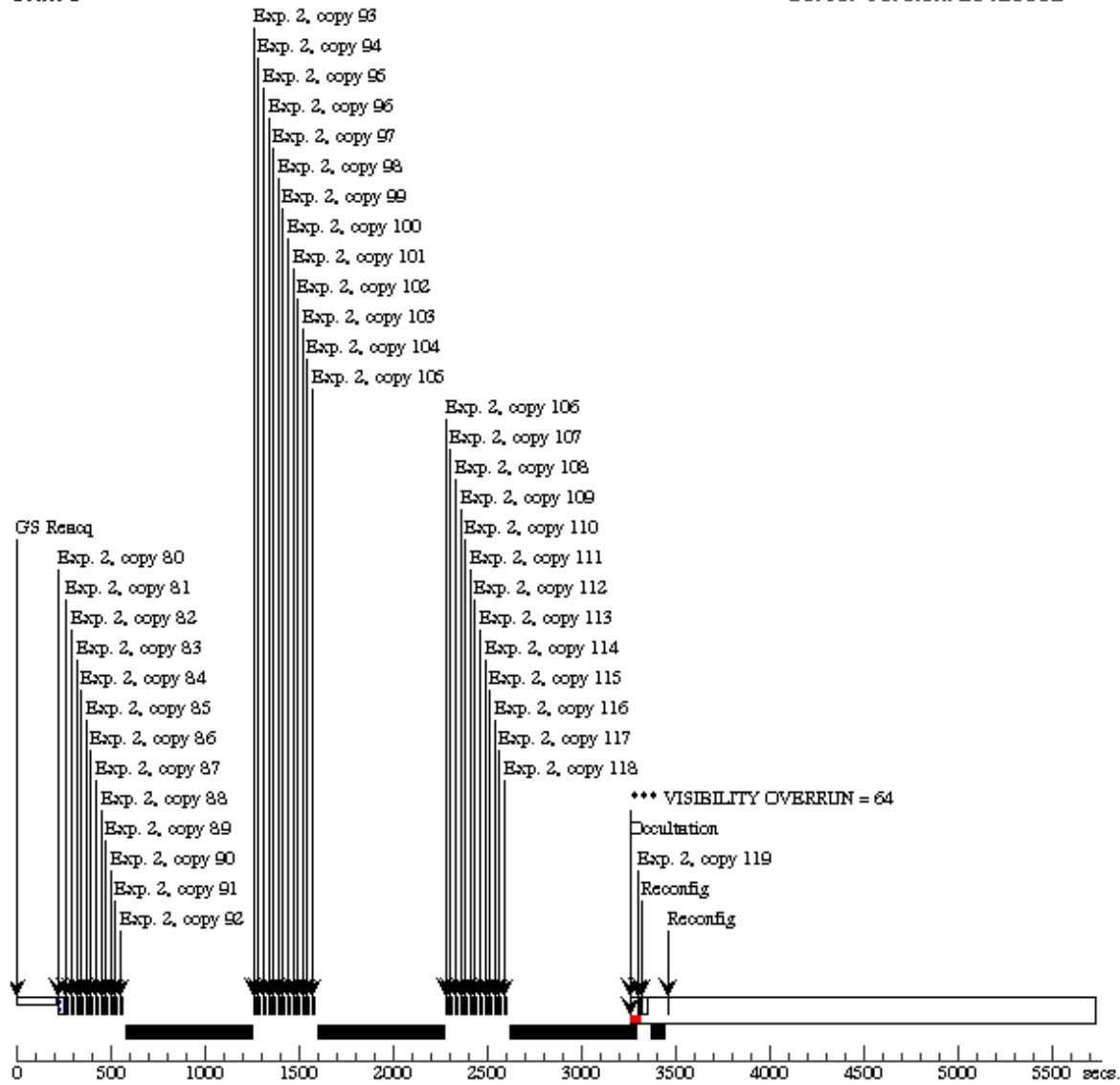


Orbit 2

Server Version: 20120802



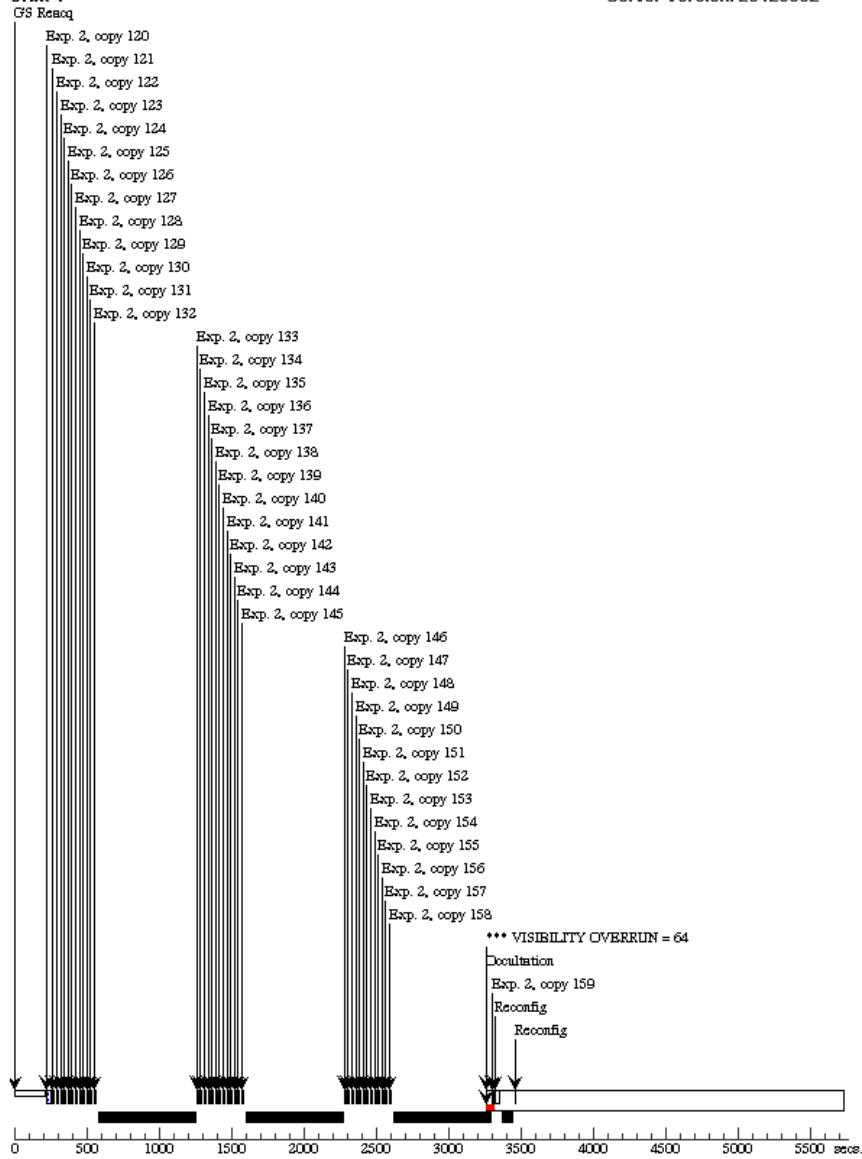
Orbit 3

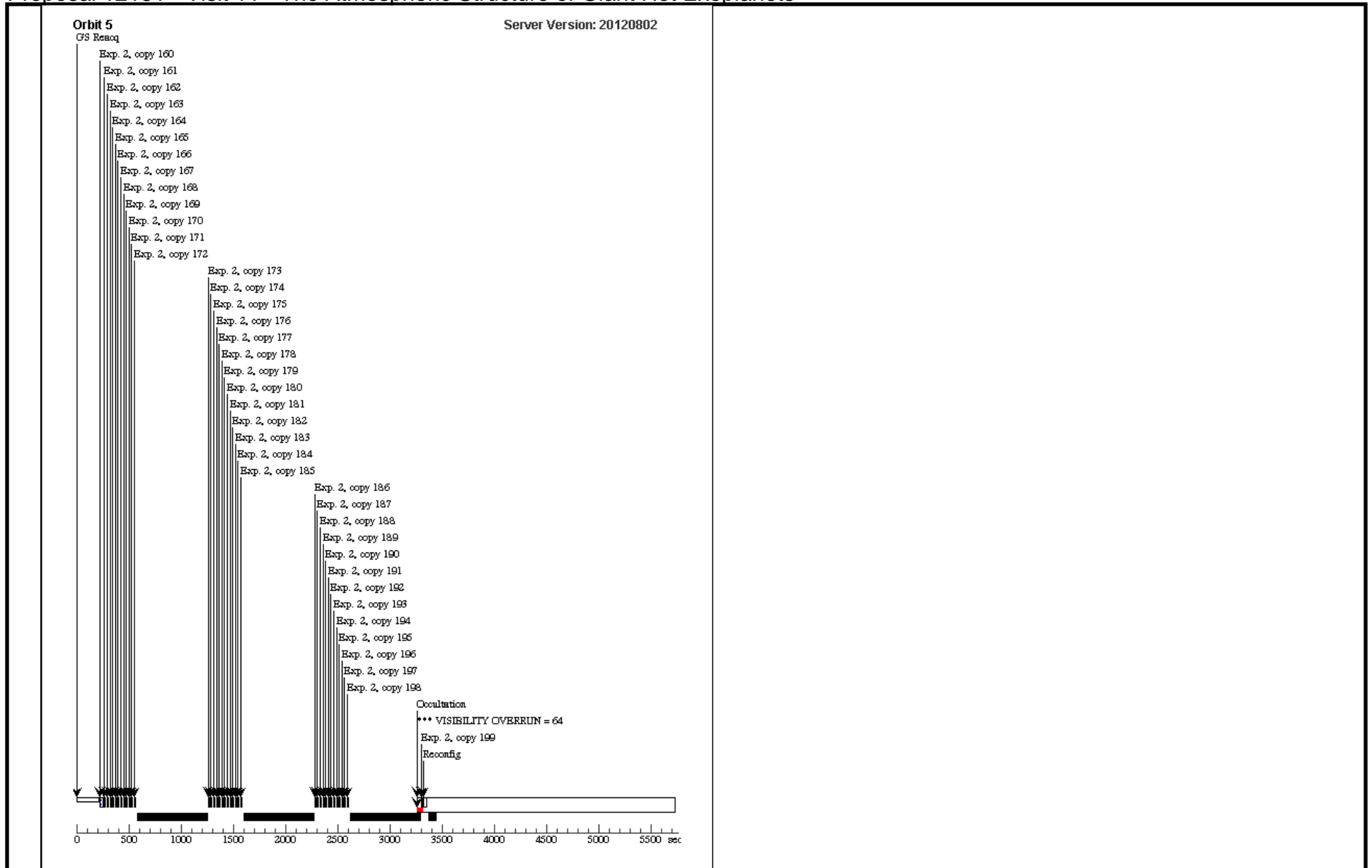


Proposal 12181 - Visit 11 - The Atmospheric Structure of Giant Hot Exoplanets

Orbit 4

Server Version: 20120802





Proposal 12181 - Visit 12 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:22:13 GMT 2012

Visit	<p>Proposal 12181, Visit 12, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 2.2047308 D AND ZERO-PHASE HJD2454700.81308</p> <p><i>Comments: eclipse of HAT-7</i></p>					
Diagnostics	<p>(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 12) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</p> <p>(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN</p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	HAT-7	RA: 19 28 59.3600 (292.2473333d) Dec: +47 58 10.30 (47.96953d) Equinox: J2000	Proper Motion RA: -13.40 mas/yr Proper Motion Dec: 13.98 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=10.5	Reference Frame: ICRS

Proposal 12181 - Visit 12 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(16) HAT-7	(16) HAT-7	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.396 TO 0. 404		[==>]	[1]

Exposures

Proposal 12181 - Visit 12 - The Atmospheric Structure of Giant Hot Exoplanets

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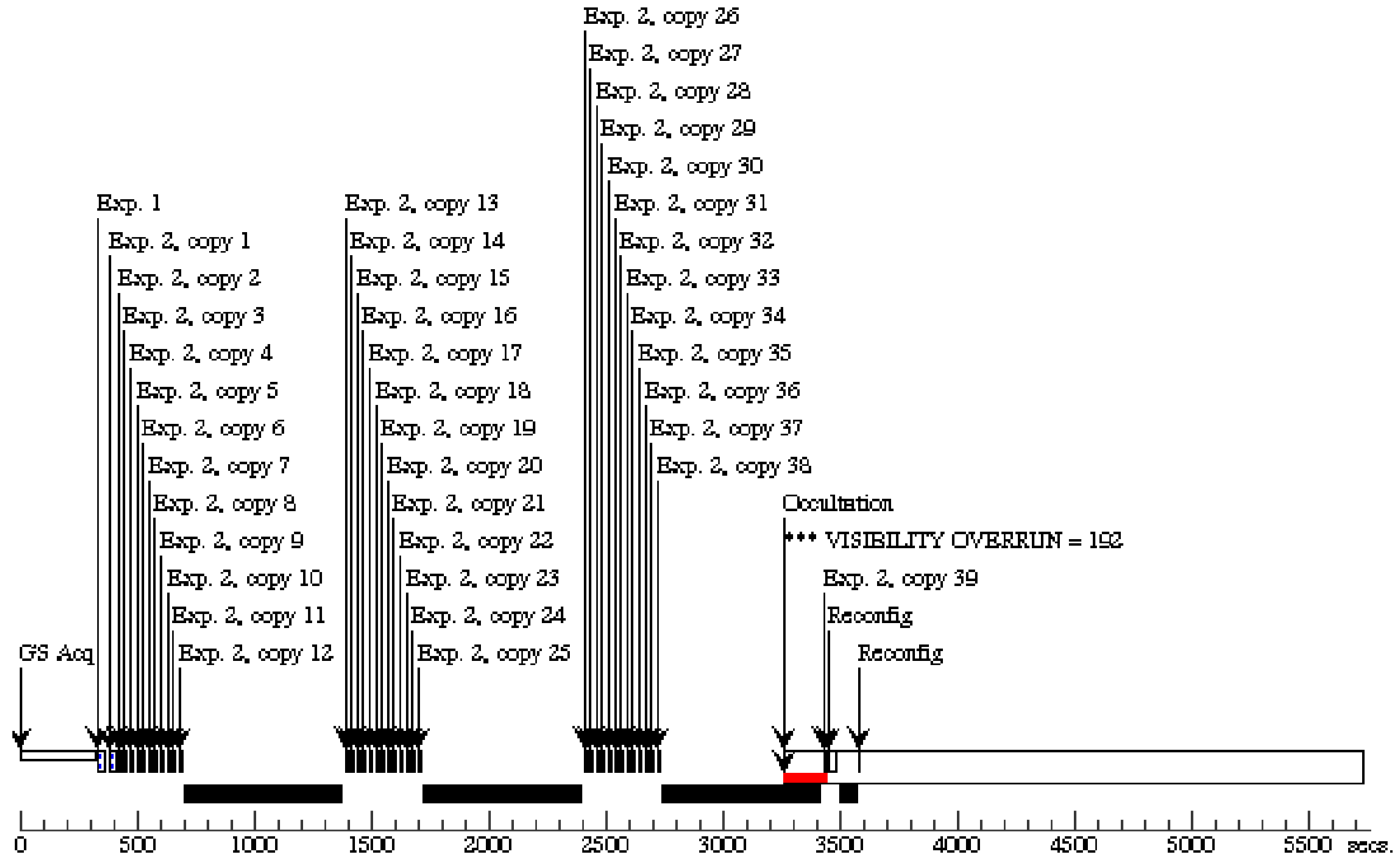
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Orbit 1

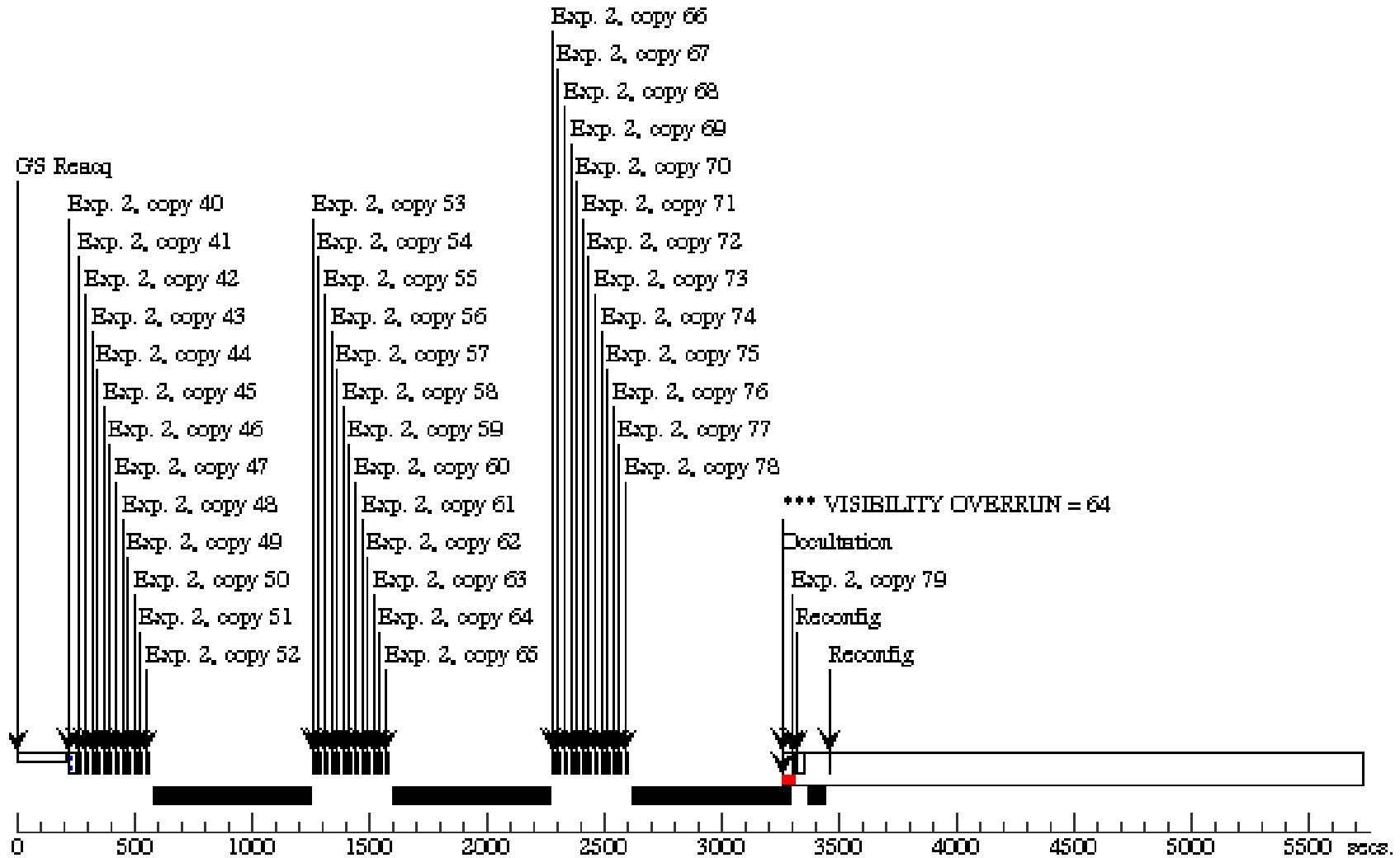
Server Version: 20120802

Orbit Structure

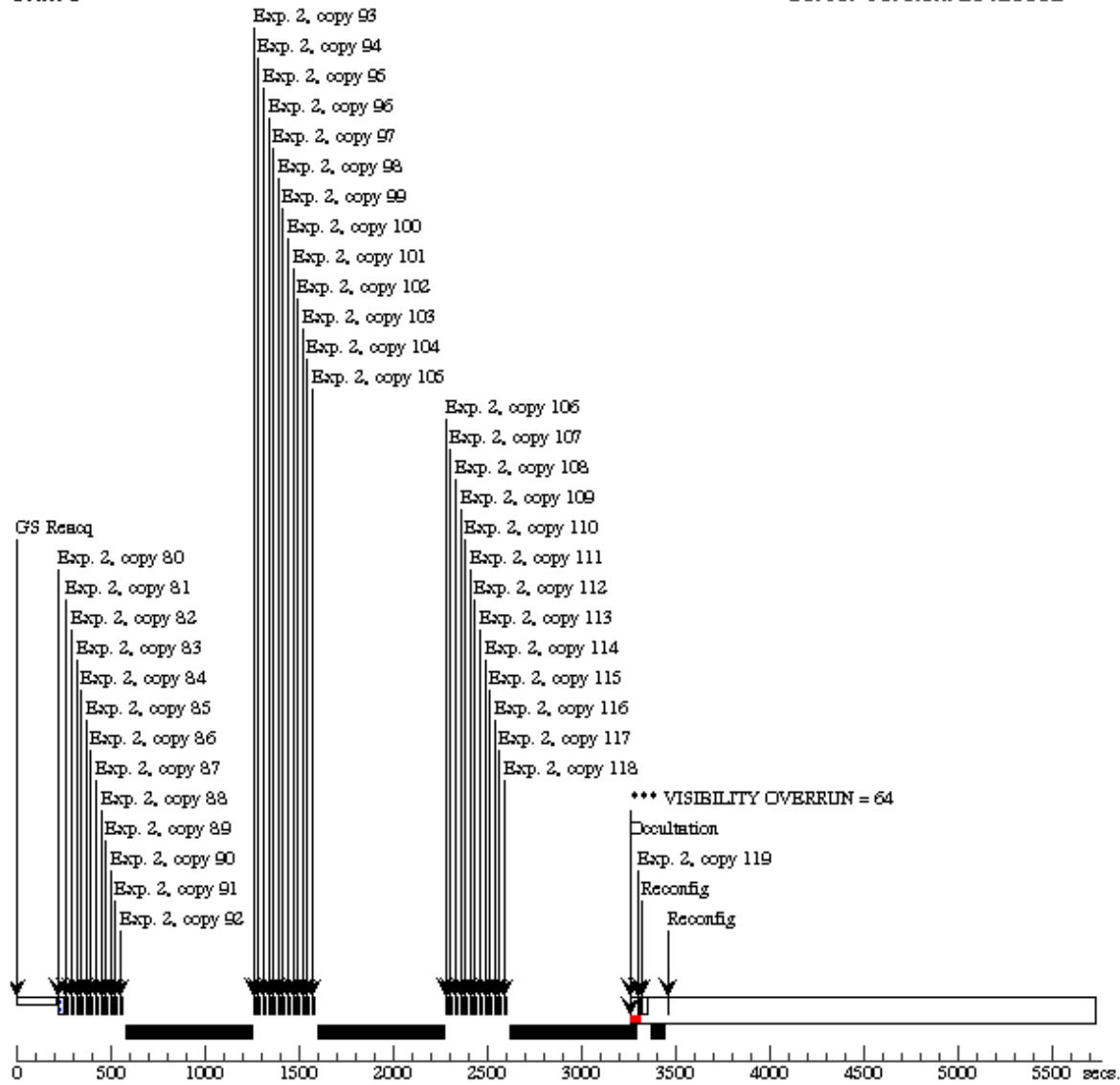


Orbit 2

Server Version: 20120802



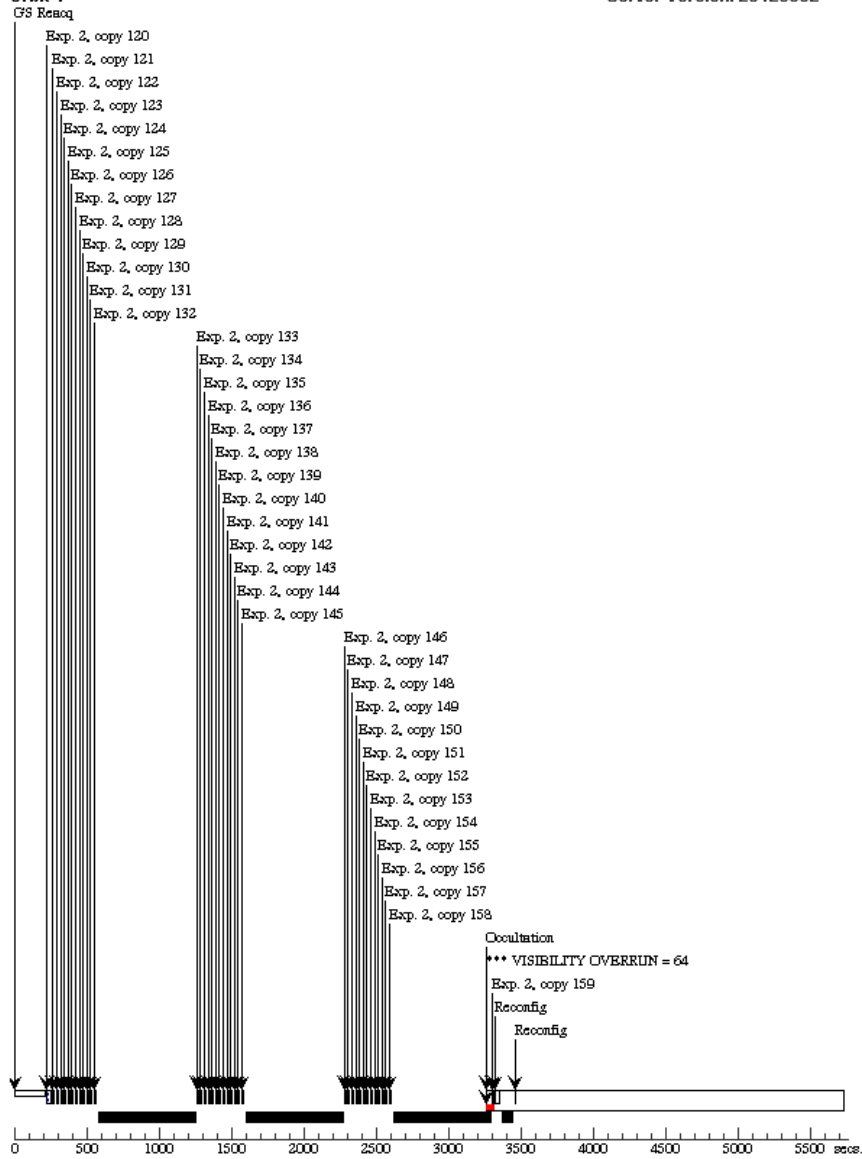
Orbit 3



Proposal 12181 - Visit 12 - The Atmospheric Structure of Giant Hot Exoplanets

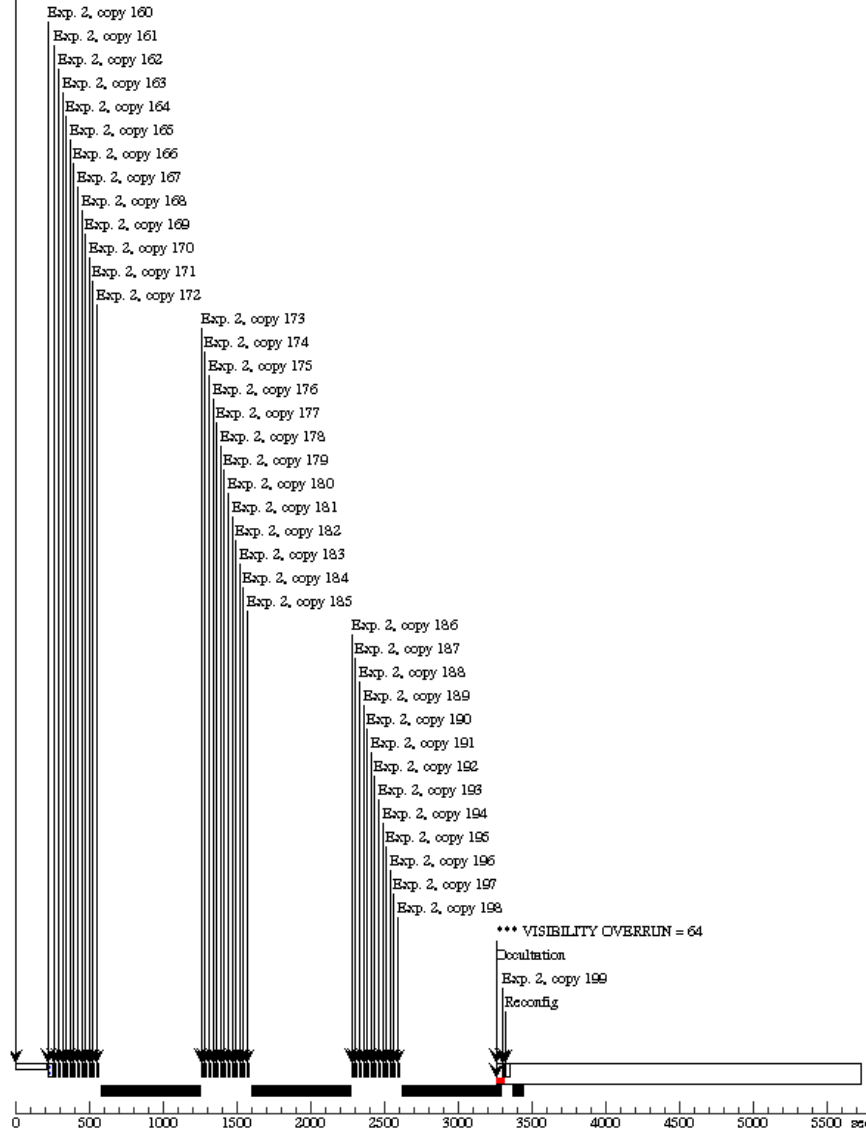
Orbit 4

Server Version: 20120802



Server Version: 20120802

Orbit 5
GS Req



Proposal 12181 - Visit 13 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:22:22 GMT 2012

Visit	<p>Proposal 12181, Visit 13, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 2.2047308 D AND ZERO-PHASE HJD2454700.81308</p> <p><i>Comments: eclipse of HAT-7</i></p>					
Diagnostics	(Visit 13) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	HAT-7	RA: 19 28 59.3600 (292.2473333d) Dec: +47 58 10.30 (47.96953d) Equinox: J2000	Proper Motion RA: -13.40 mas/yr Proper Motion Dec: 13.98 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=10.5	Reference Frame: ICRS

Proposal 12181 - Visit 13 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(16) HAT-7	(16) HAT-7	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -2.303,1 .202; PHASE 0.411 TO 0. 419		[==>]	[1]

Exposures

Proposal 12181 - Visit 13 - The Atmospheric Structure of Giant Hot Exoplanets

2	(16) HAT-7	WFC3/IR, MULTIACCUM, IRSUB512	G141	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG -2.303,1 .202		
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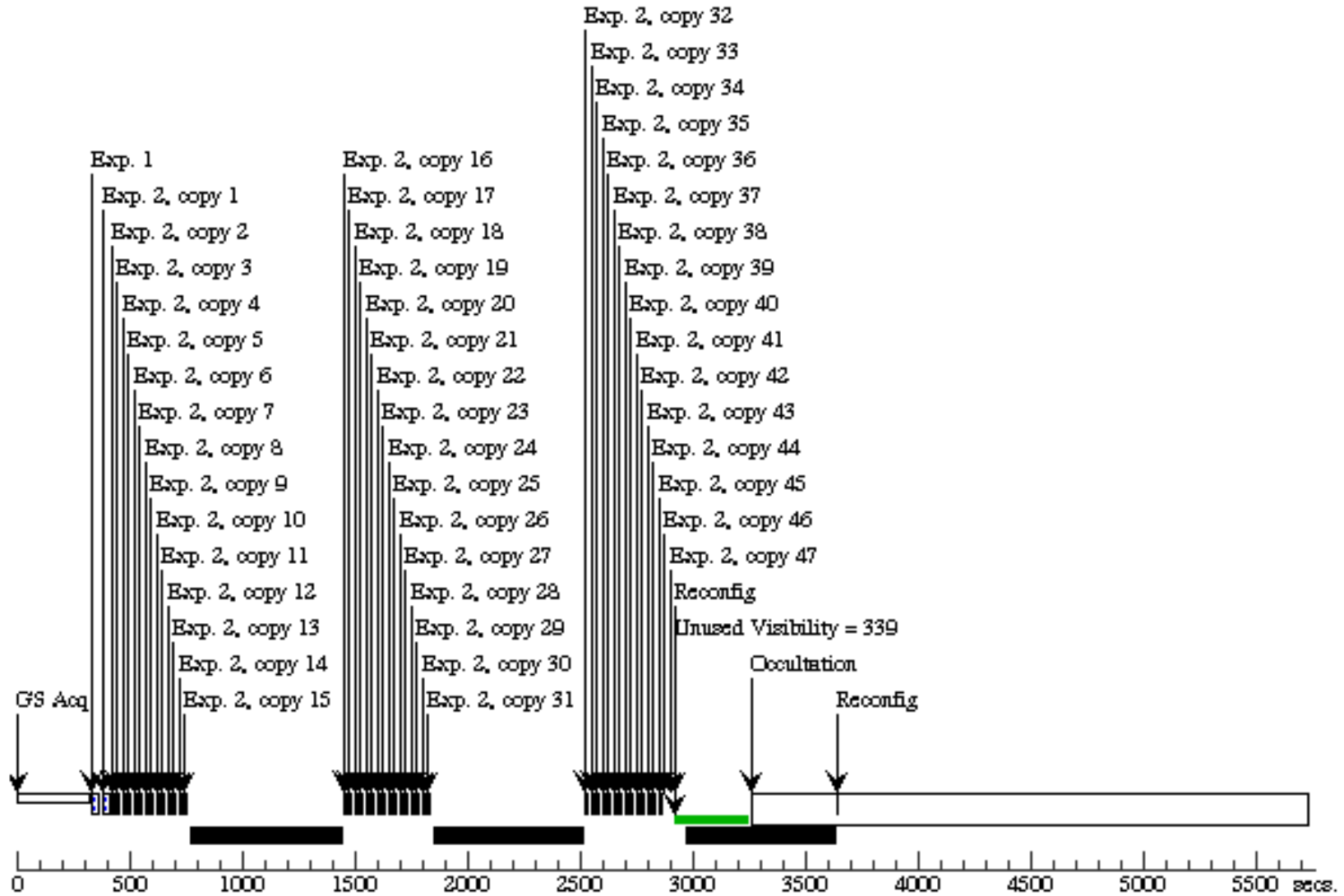
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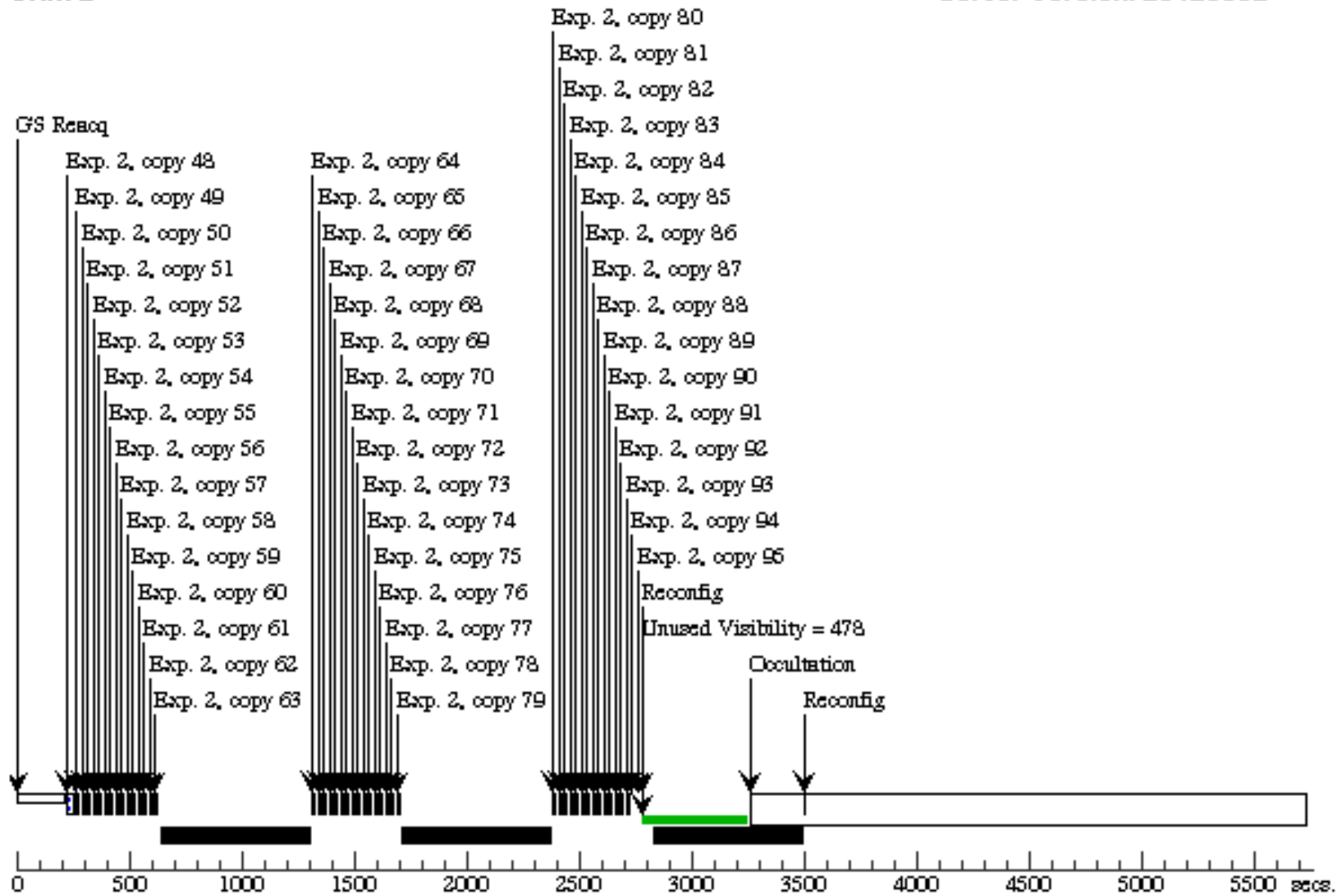
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Orbit Structure



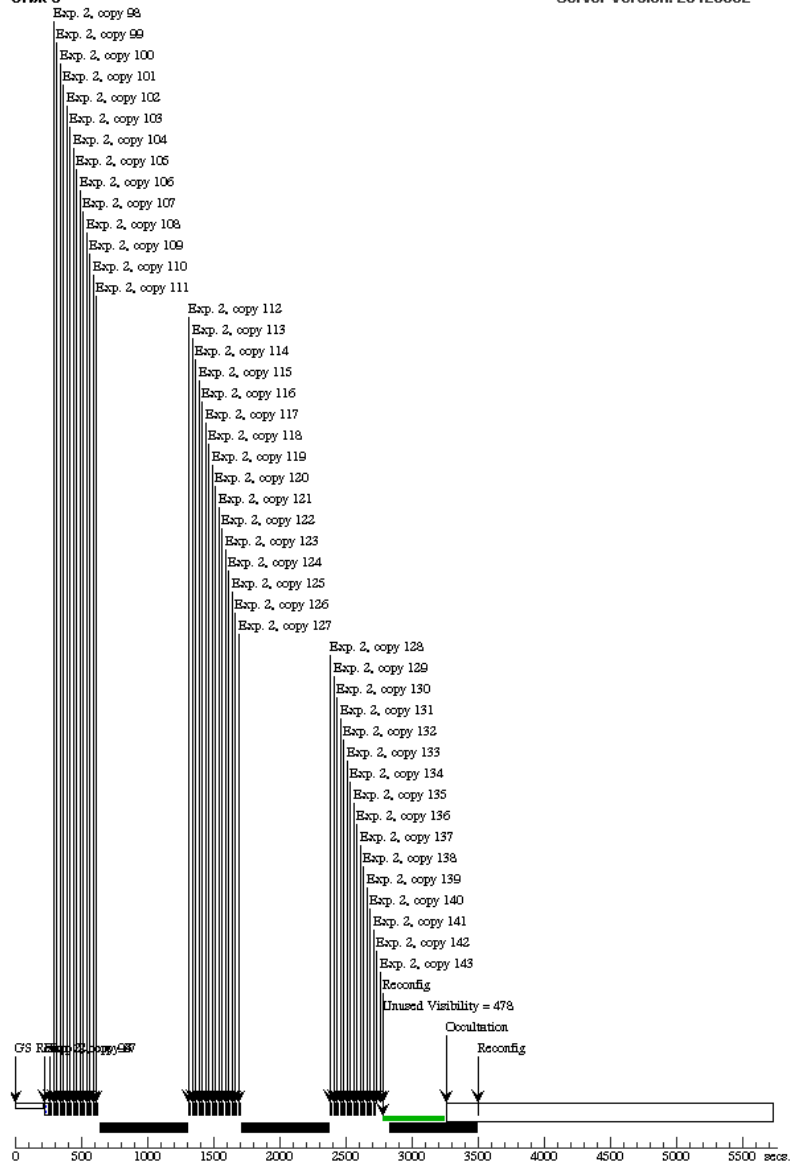
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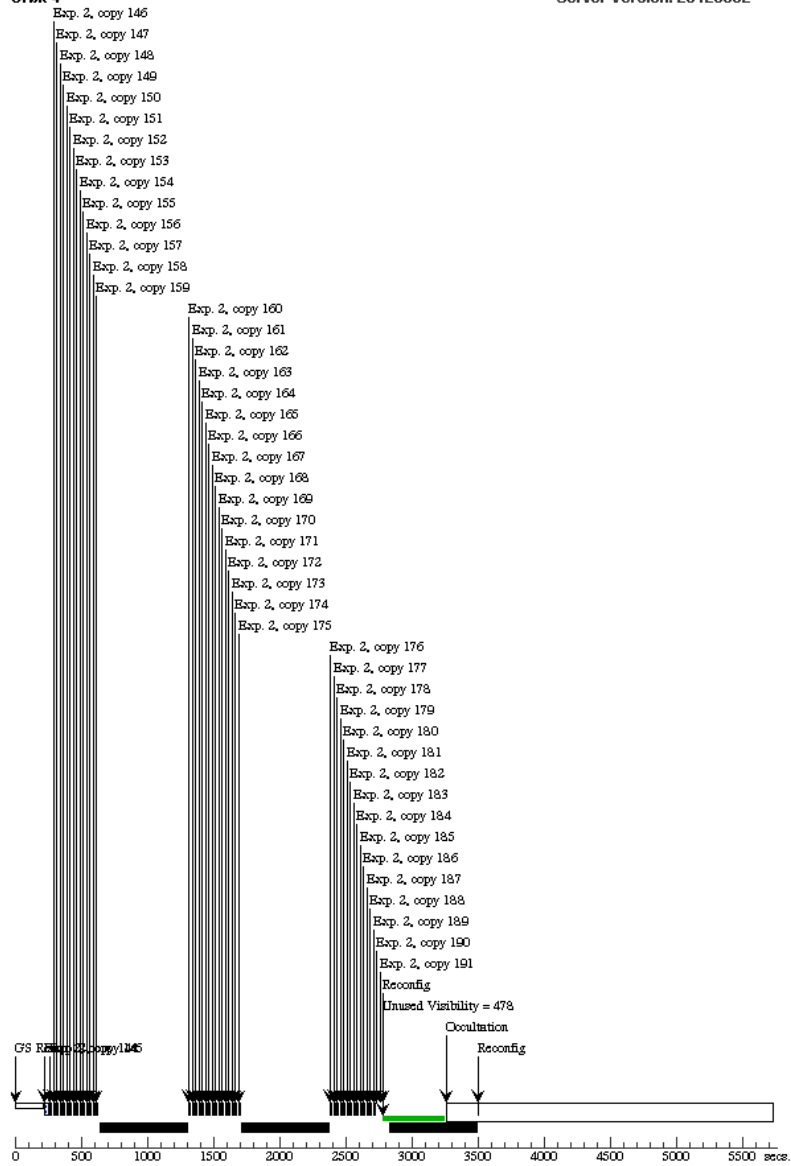
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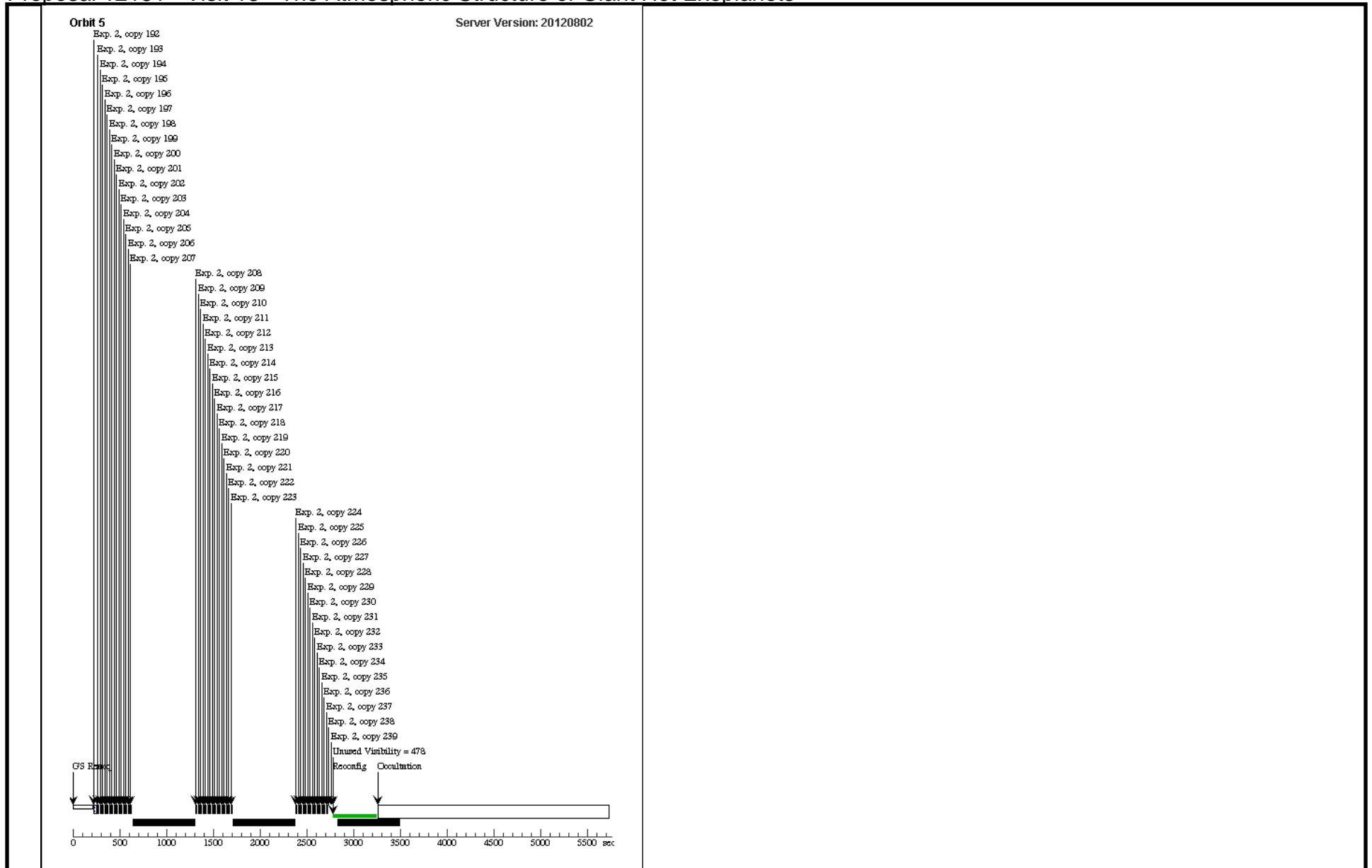


Orbit 4

Server Version: 20120802



Proposal 12181 - Visit 13 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 14 - The Atmospheric Structure of Giant Hot Exoplanets

Visit	<p>Proposal 12181, Visit 14, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 1.33823214 D AND ZERO-PHASE HJD2454697.797562</p> <p><i>Comments: transit of WASP-4</i></p>	Tue Sep 11 07:22:37 GMT 2012
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Proposal 12181 - Visit 14 - The Atmospheric Structure of Giant Hot Exoplanets

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	WASP-4	RA: 23 34 15.0600 (353.5627500d) Dec: -42 03 41.10 (-42.06142d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=12.6	Reference Frame: ICRS

Proposal 12181 - Visit 14 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(12) WASP-4	(12) WASP-4	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -15.173, 1.158; PHASE 0.856 TO 0. 867		[==>]	[1]

Exposures

Proposal 12181 - Visit 14 - The Atmospheric Structure of Giant Hot Exoplanets

2	(12) WASP-4	WFC3/IR, MULTIACCUM, IRSUB128	G141	SAMP-SEQ=SPARS POS TARG -15.173, 10; 1.158 NSAMP=6		
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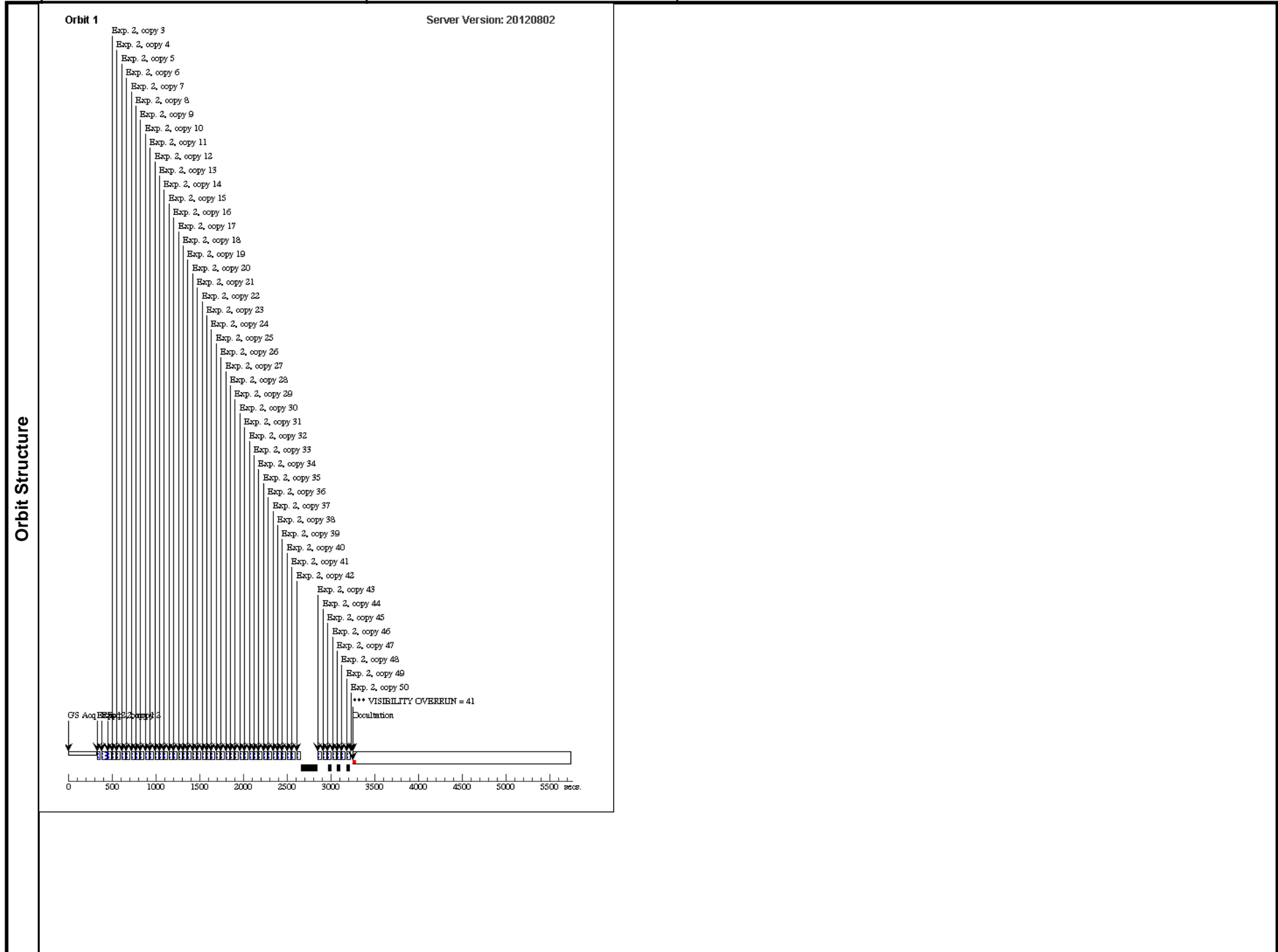
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Proposal 12181 - Visit 14 - The Atmospheric Structure of Giant Hot Exoplanets

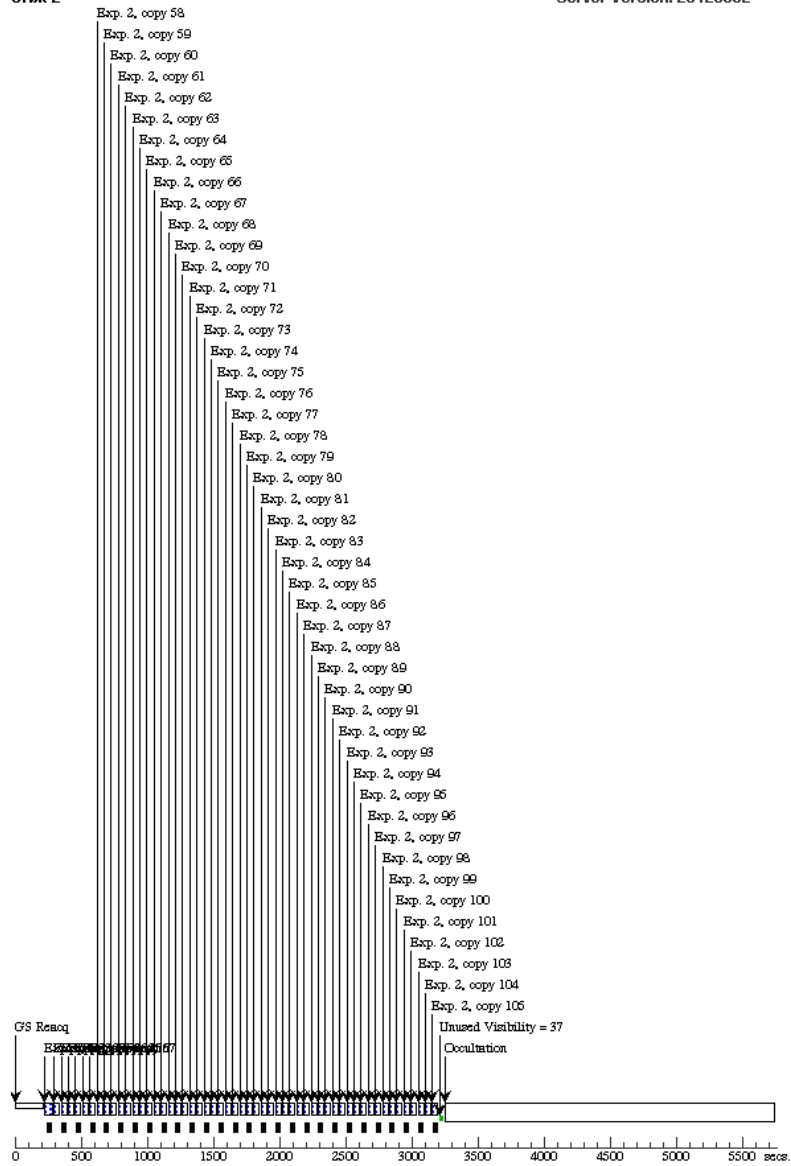
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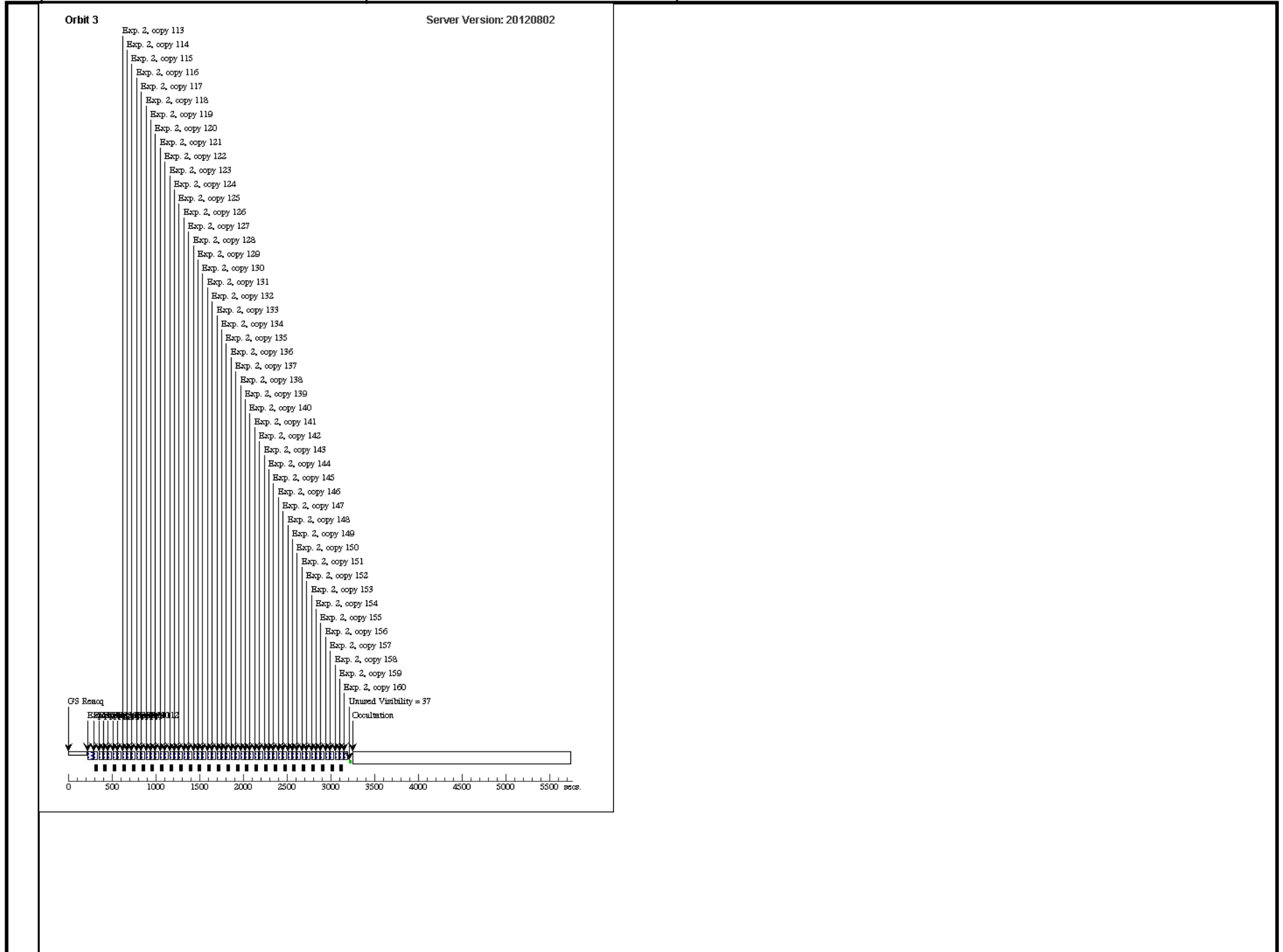
Proposal 12181 - Visit 14 - The Atmospheric Structure of Giant Hot Exoplanets

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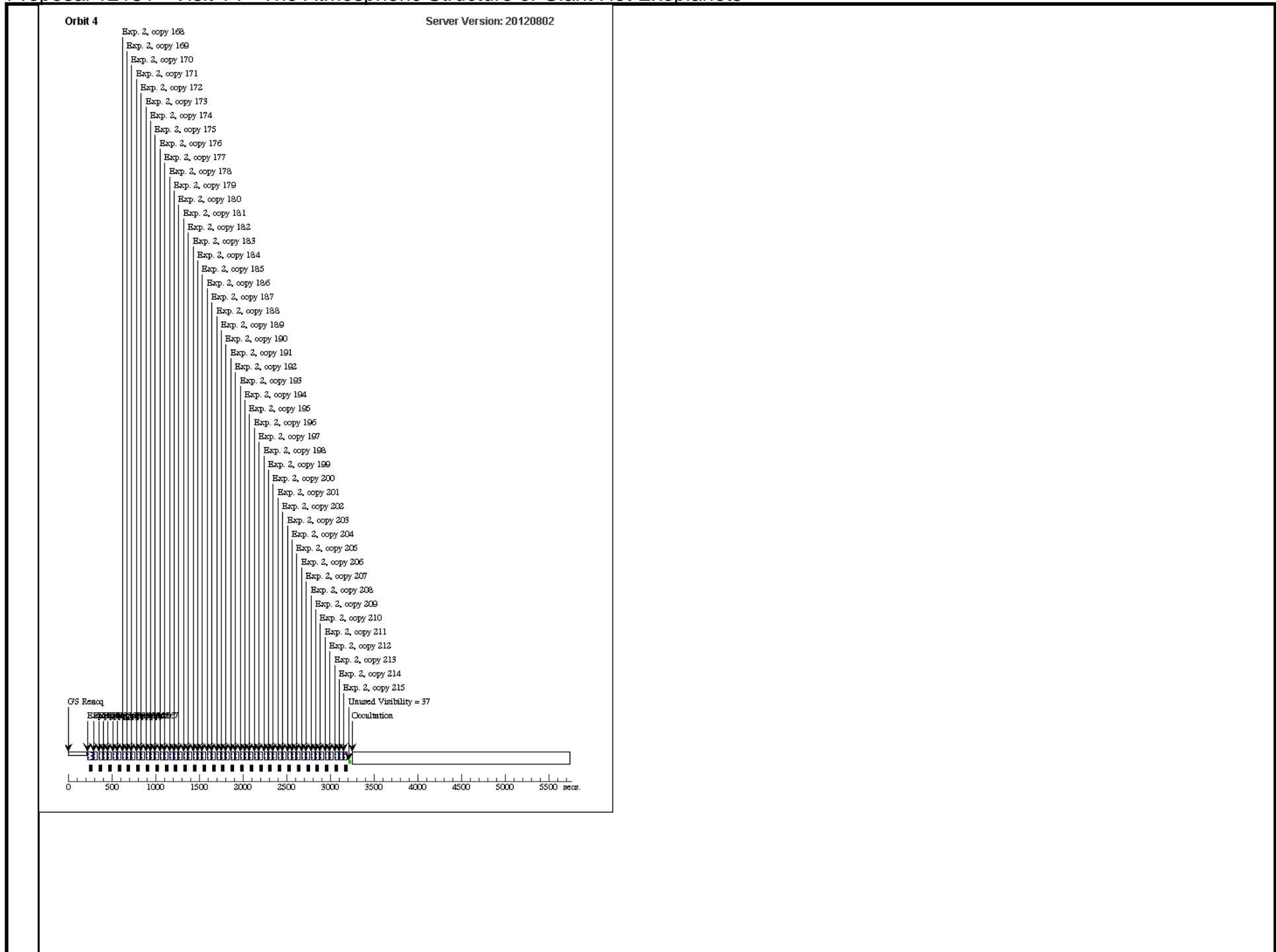
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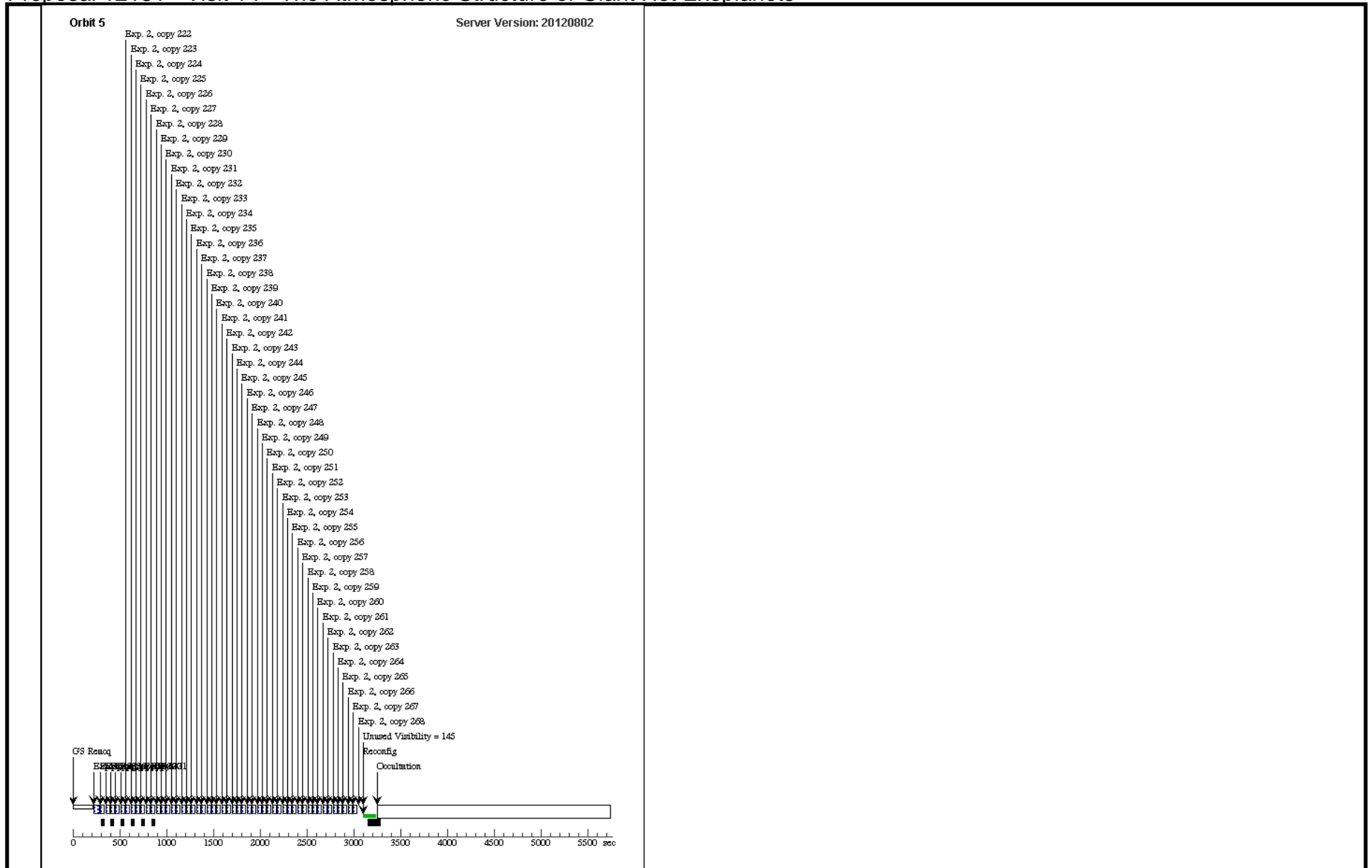
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Proposal 12181 - Visit 14 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 14 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 15 - The Atmospheric Structure of Giant Hot Exoplanets

Visit	<p>Proposal 12181, Visit 15, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 0.7888399 D AND ZERO-PHASE HJD2455168.96801</p> <p><i>Comments: transit of WASP-19</i></p>	Tue Sep 11 07:24:52 GMT 2012
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Proposal 12181 - Visit 15 - The Atmospheric Structure of Giant Hot Exoplanets

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Proposal 12181 - Visit 15 - The Atmospheric Structure of Giant Hot Exoplanets

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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	WASP-19	RA: 09 53 40.0800 (148.4170000d) Dec: -45 39 33.10 (-45.65919d) Equinox: J2000	Proper Motion RA: -41.3 mas/yr Proper Motion Dec: 16.5 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=12.3	Reference Frame: ICRS

Proposal 12181 - Visit 15 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(10) WASP-19	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -15.173, 1.158; PHASE 0.795 TO 0. 817		[==>]	[1]

Exposures

Proposal 12181 - Visit 15 - The Atmospheric Structure of Giant Hot Exoplanets

2	(10) WASP-19	WFC3/IR, MULTIACCUM, IRSUB128	G141	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -15.173, 1.158		
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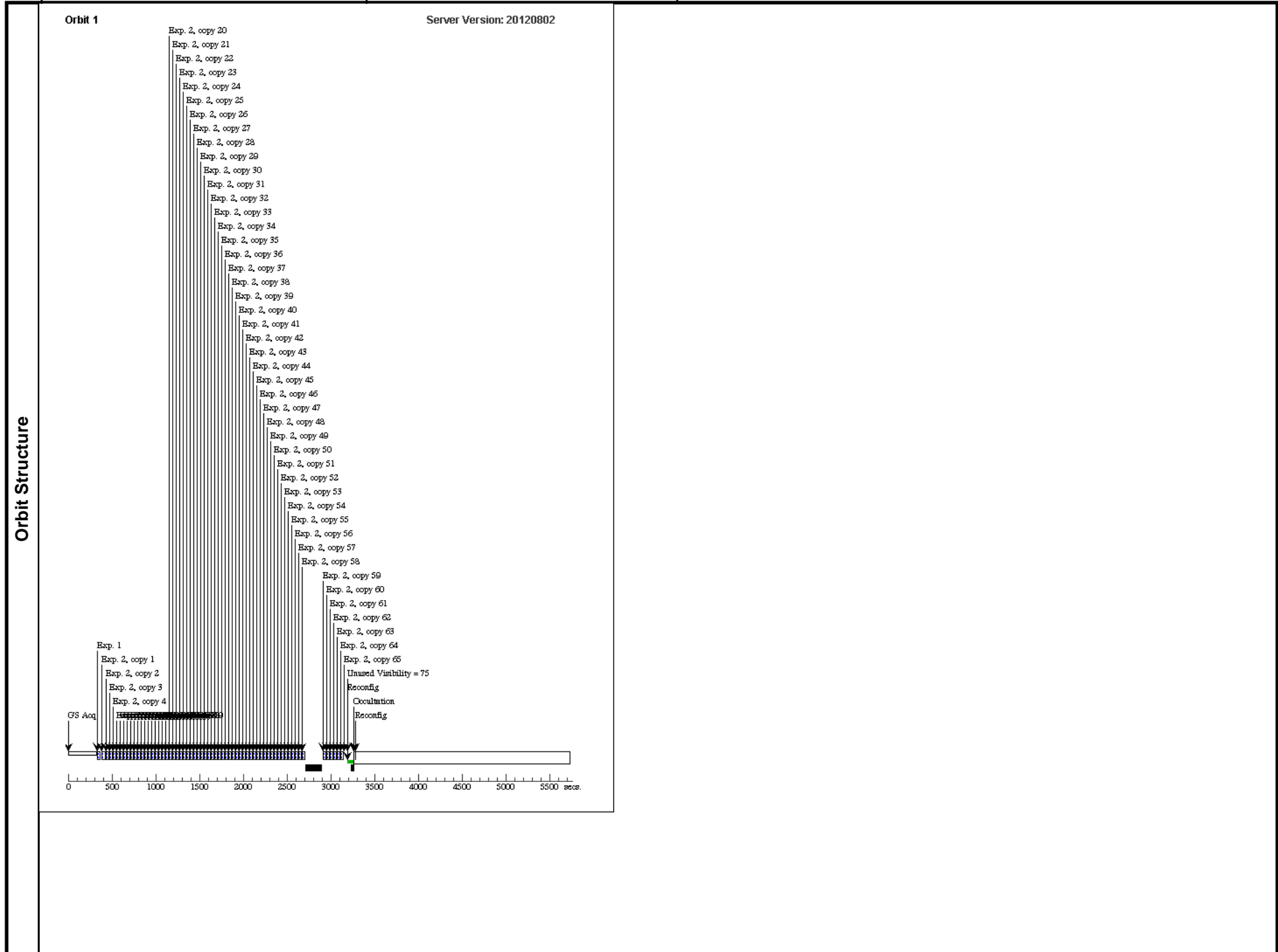
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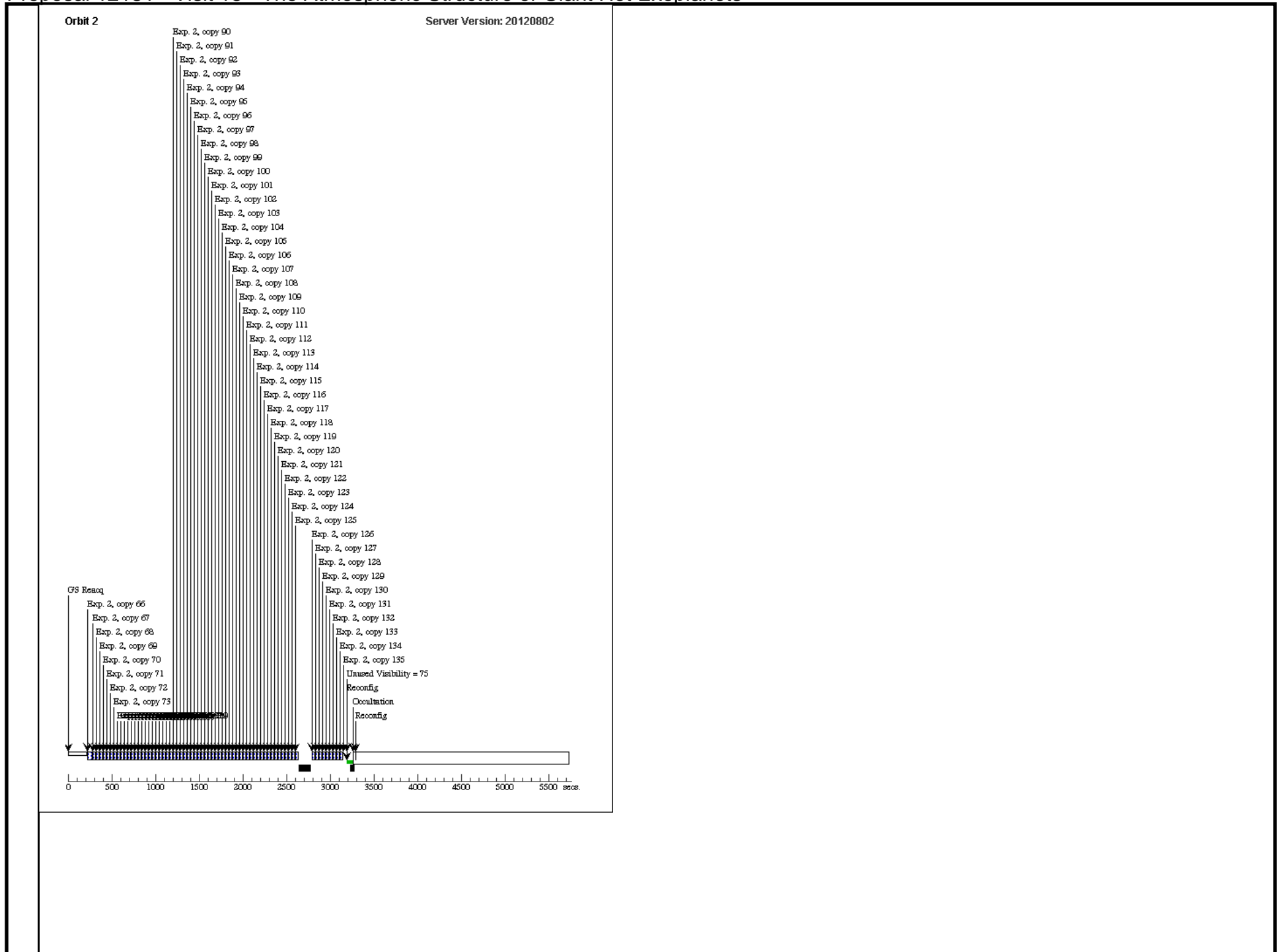
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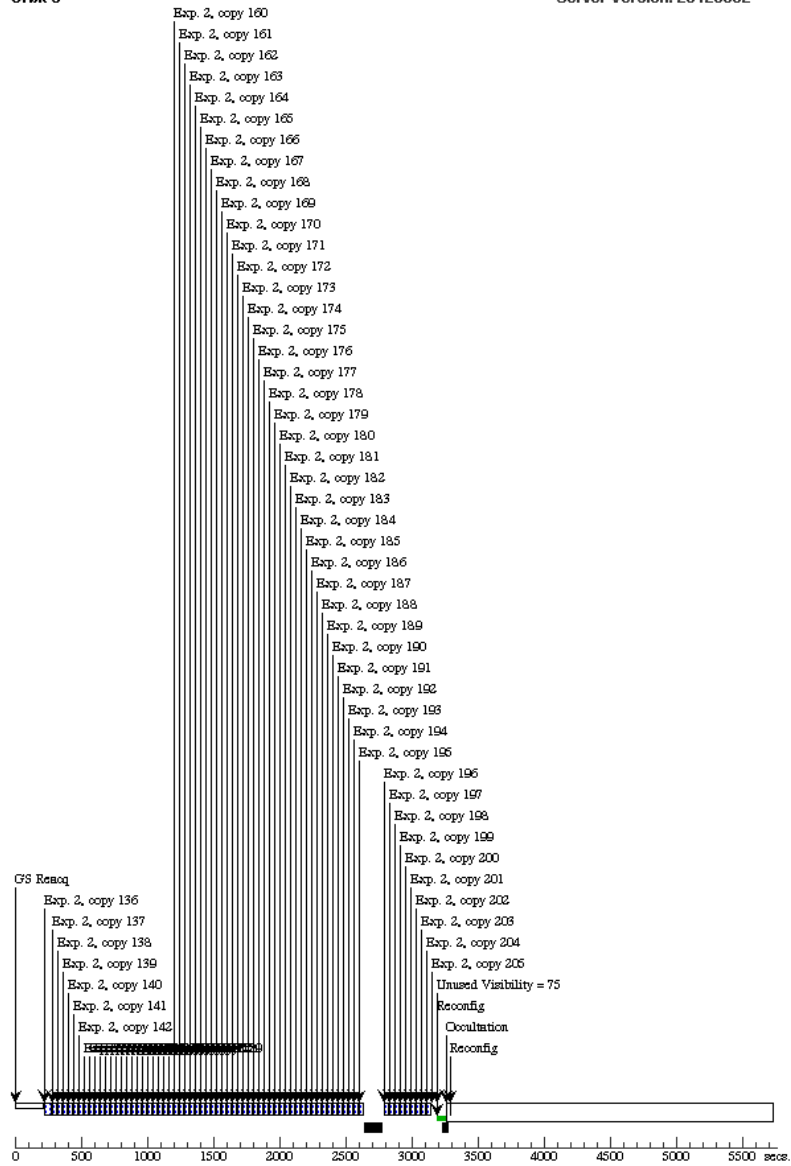
Proposal 12181 - Visit 15 - The Atmospheric Structure of Giant Hot Exoplanets



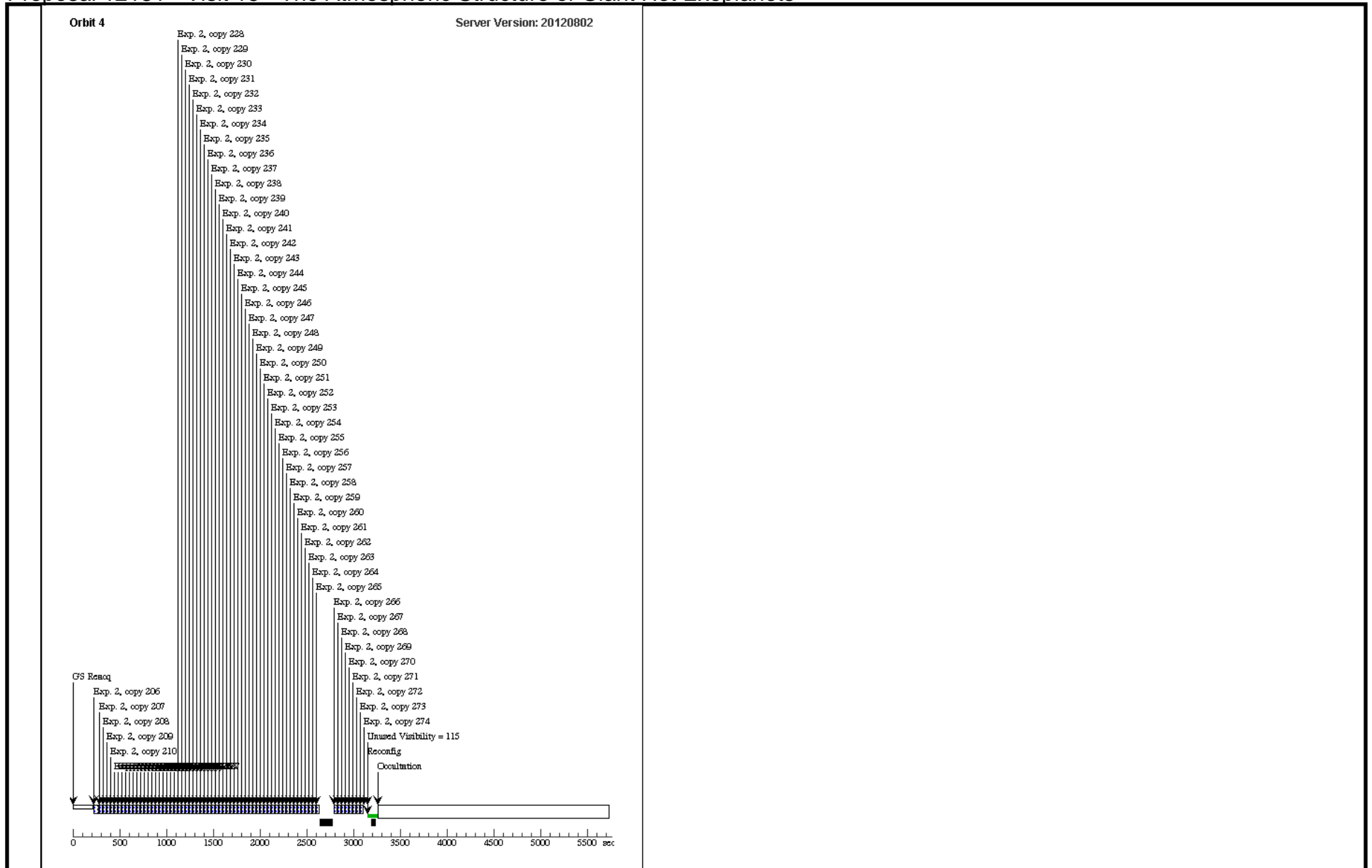
Proposal 12181 - Visit 15 - The Atmospheric Structure of Giant Hot Exoplanets

Orbit 3

Server Version: 20120802



Proposal 12181 - Visit 15 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 16 - The Atmospheric Structure of Giant Hot Exoplanets

Visit	<p>Proposal 12181, Visit 16, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: Period 1.30618608 D AND ZERO-PHASE HJD2454538.58069 <i>Comments: eclipse of TrES-3</i></p>	Tue Sep 11 07:27:05 GMT 2012
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Proposal 12181 - Visit 16 - The Atmospheric Structure of Giant Hot Exoplanets

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(13)	TRES-3	RA: 17 52 7.0000 (268.0291667d) Dec: +37 32 46.20 (37.54617d) Equinox: J2000	Proper Motion RA: -22.5 mas/yr Proper Motion Dec: 32.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=12.4	Reference Frame: ICRS

Proposal 12181 - Visit 16 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(13) TRES-3	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -15.173, 1.158; PHASE 0.375 TO 0. 391		[==>]	[1]

Exposures

Proposal 12181 - Visit 16 - The Atmospheric Structure of Giant Hot Exoplanets

2	(13) TRES-3	WFC3/IR, MULTIACCUM, IRSUB128	G141	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG -15.173, 1.158		
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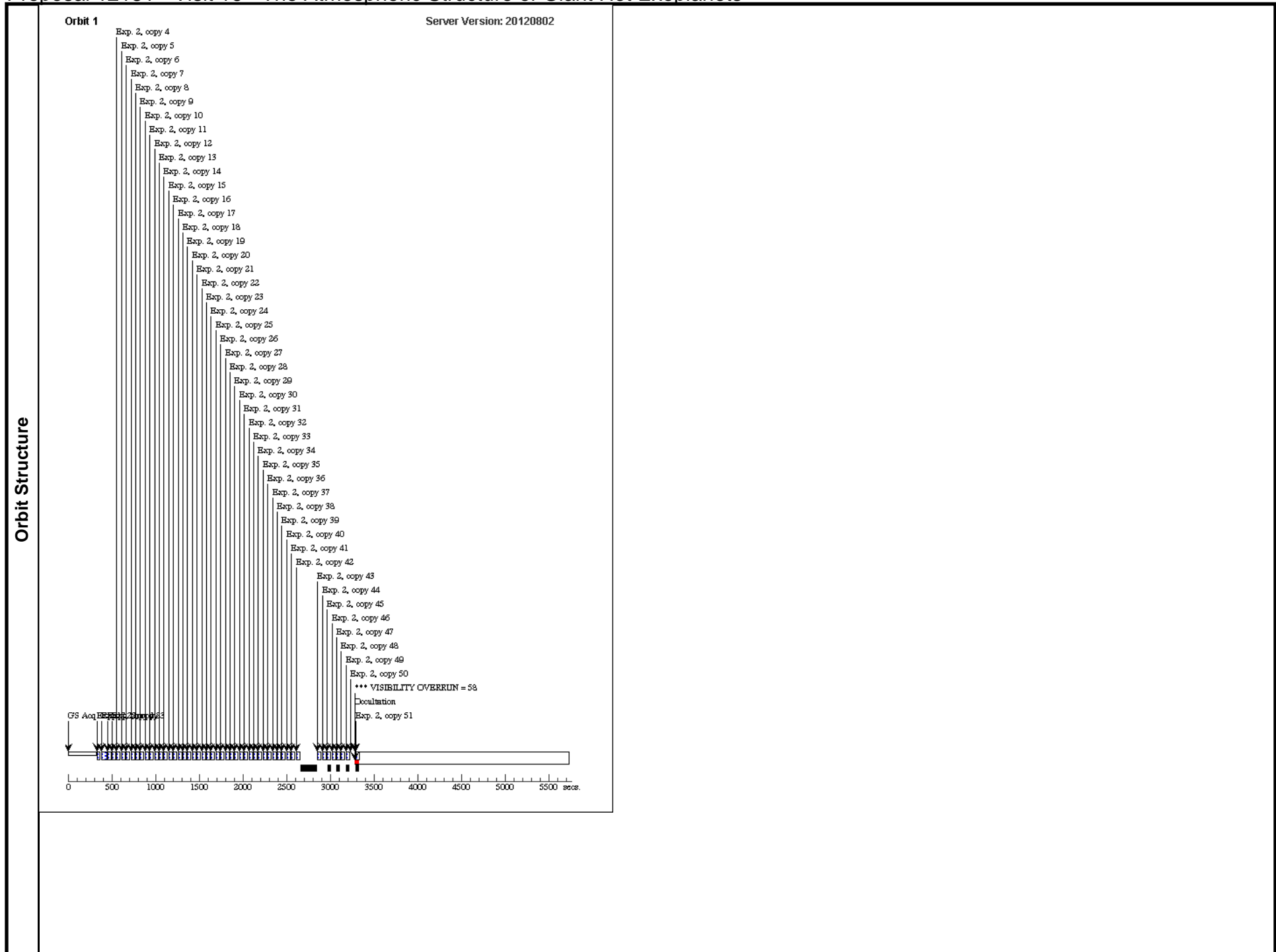
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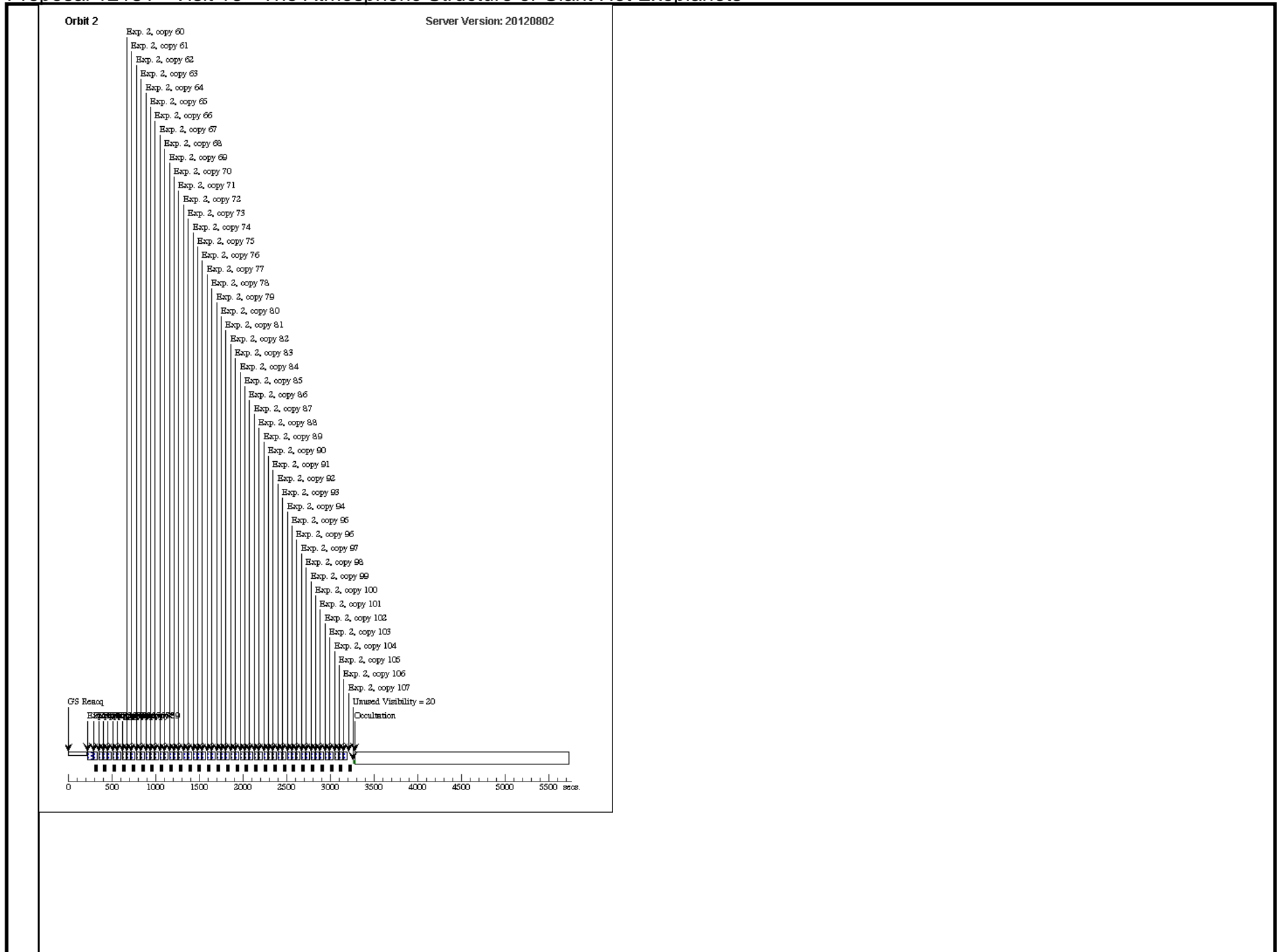
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Proposal 12181 - Visit 16 - The Atmospheric Structure of Giant Hot Exoplanets

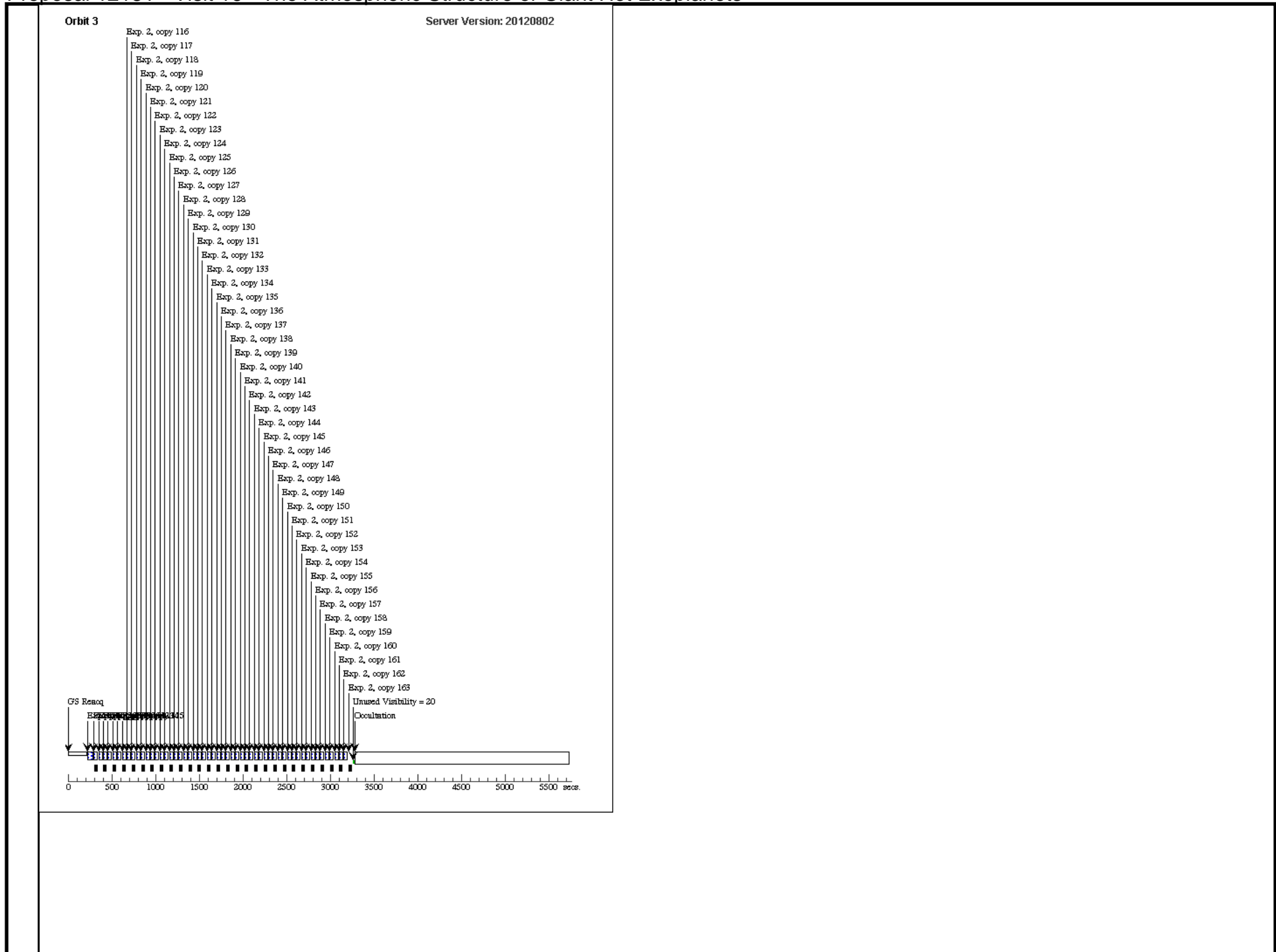
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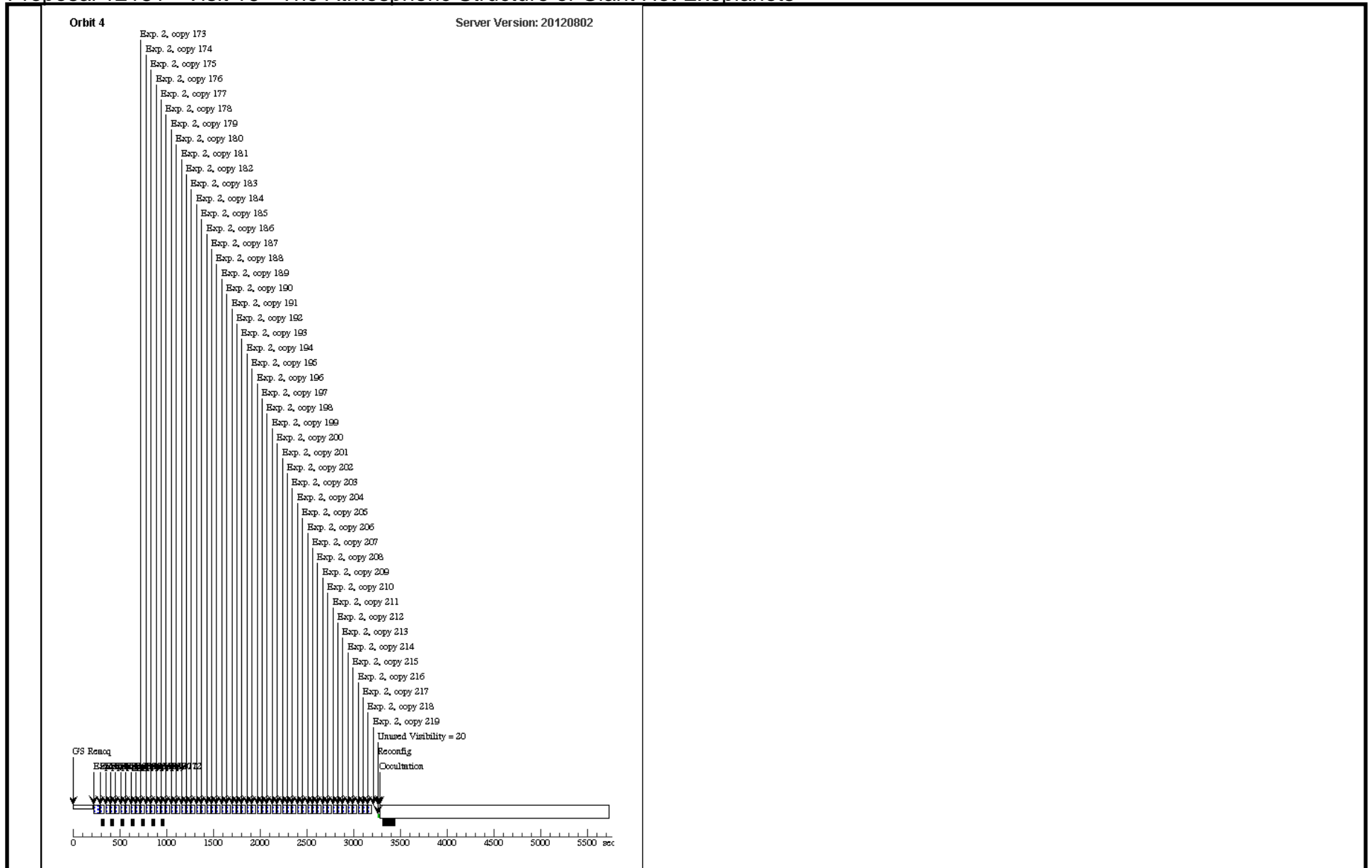
Proposal 12181 - Visit 16 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 16 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 16 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 17 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:28:53 GMT 2012

Visit	<p>Proposal 12181, Visit 17, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; ORIENT 0.0D TO 45.0 D; ORIENT 346.0D TO 359.9 D; Period 1.5089686 D AND ZERO-PHASE HJD2454524.62324</p> <p><i>Comments: transit of CoRoT-1</i></p>					
Diagnostics	(Visit 17) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	COROT-1	RA: 06 48 19.1720 (102.0798833d) Dec: -03 06 8.00 (-3.10222d) Equinox: J2000	Proper Motion RA: -9.6 mas/yr Proper Motion Dec: 6.2 mas/yr Epoch of Position: 2000.0	V=13.6	Reference Frame: ICRS

Proposal 12181 - Visit 17 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(14) COROT-1	(14) COROT-1	WFC3/IR, MULTIACCUM, IRSUB128	F139M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 0.0,0.0; PHASE 0.873 TO 0. 881		[==>]	[1]

Exposures

Proposal 12181 - Visit 17 - The Atmospheric Structure of Giant Hot Exoplanets

2	(14) COROT-1	WFC3/IR, MULTIACCUM, GRISM128	G141	SAMP-SEQ=SPARS POS TARG 0.0,0.0 10; NSAMP=15	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p>	[1]
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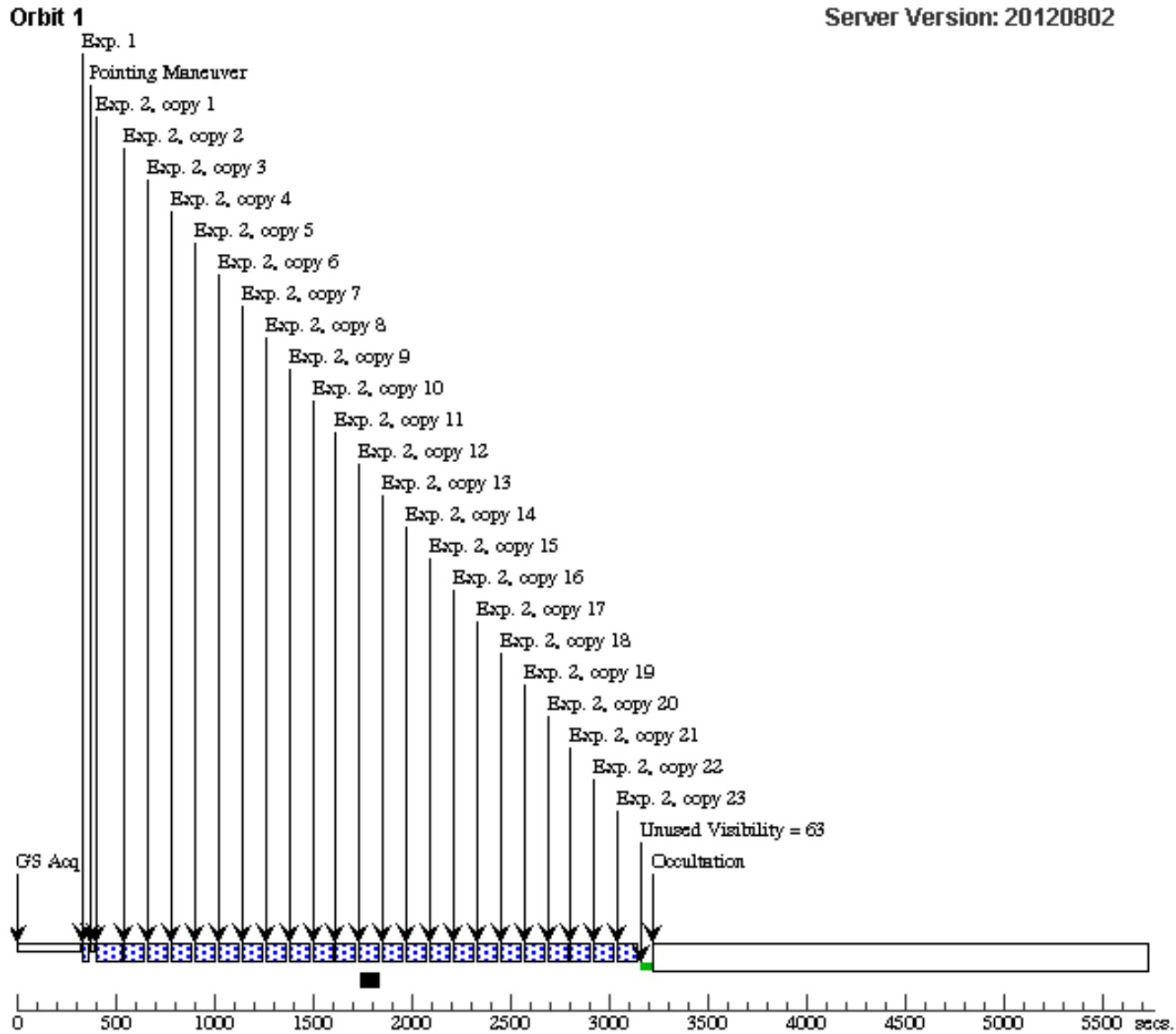
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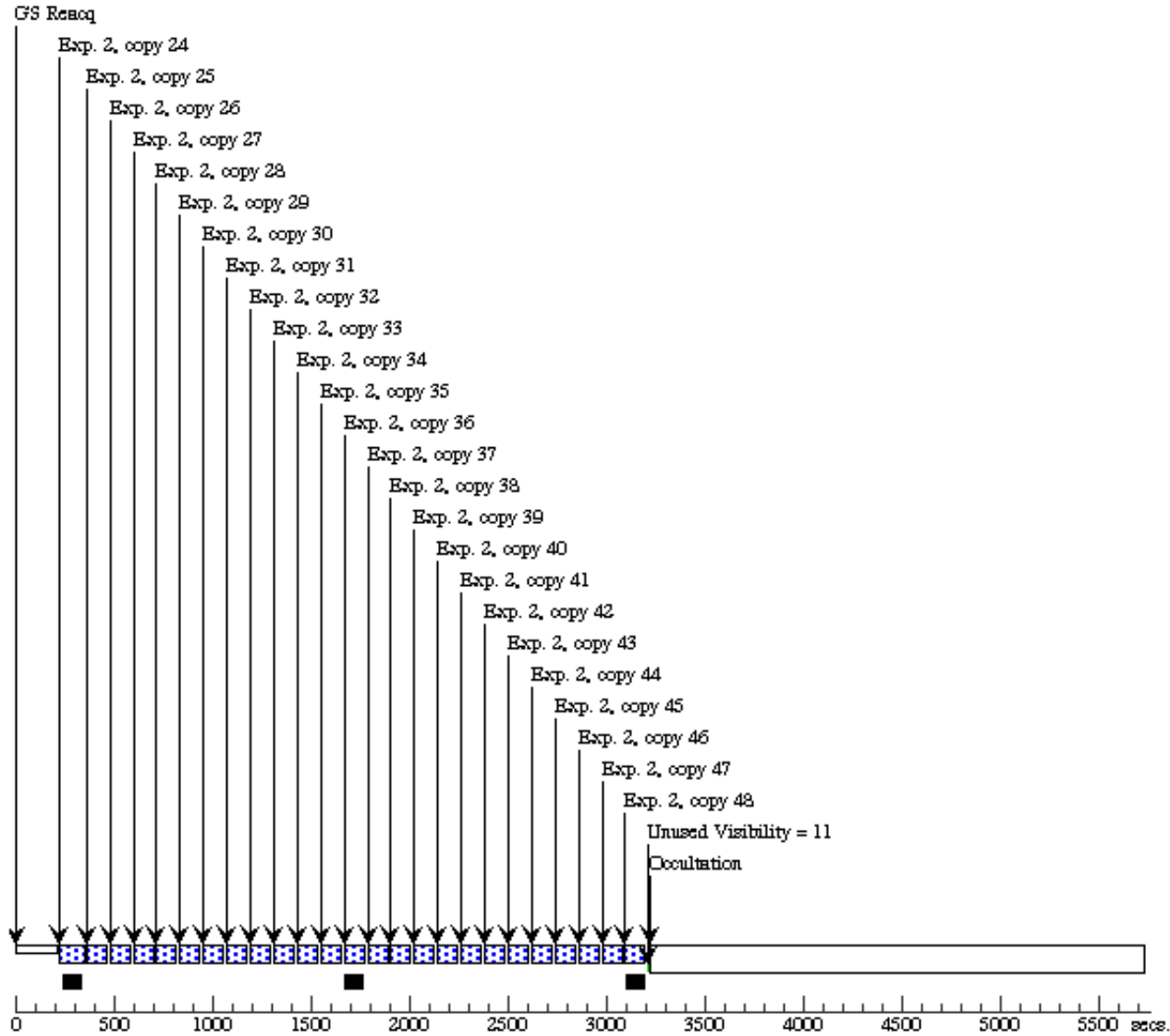
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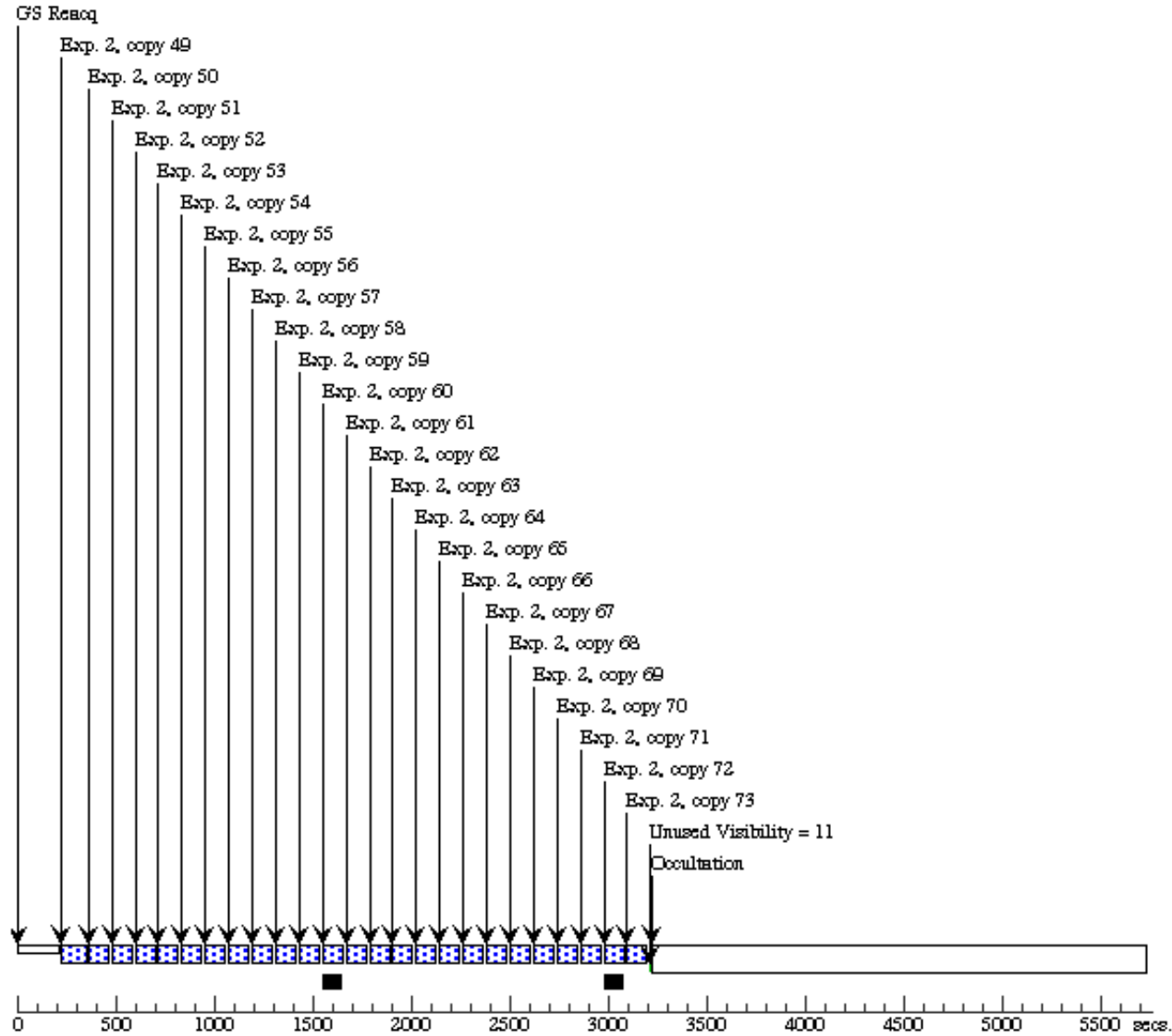
Orbit Structure



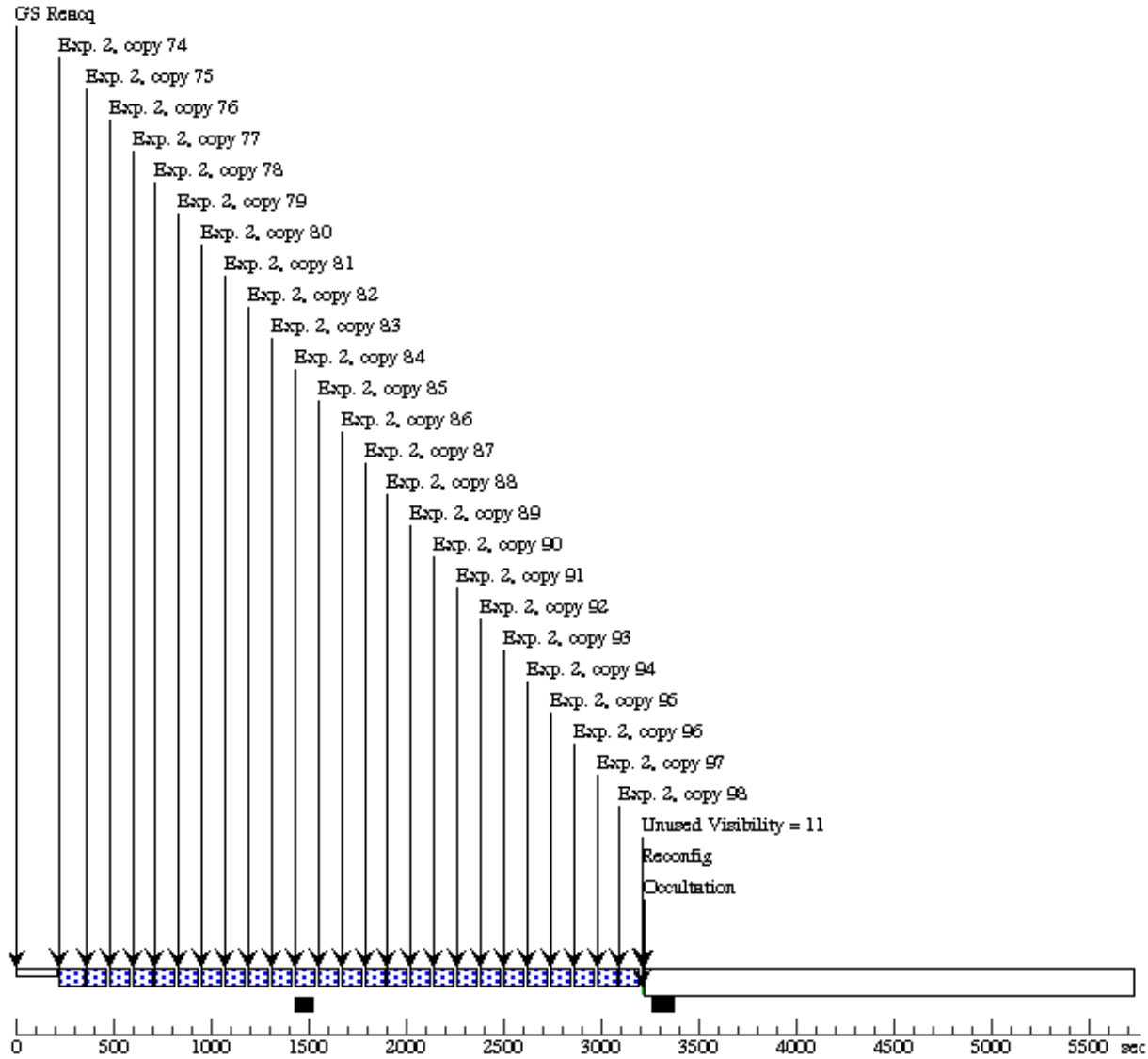
Orbit 2



Orbit 3



Orbit 4



Proposal 12181 - Visit 18 - The Atmospheric Structure of Giant Hot Exoplanets

Visit	<p>Proposal 12181, Visit 18, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 0.7888399 D AND ZERO-PHASE HJD2454775.3372</p> <p><i>Comments: eclipse of WASP-19</i></p>	<p>Tue Sep 11 07:28:58 GMT 2012</p>
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Proposal 12181 - Visit 18 - The Atmospheric Structure of Giant Hot Exoplanets

	(Visit 18) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
	(Visit 18) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
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	(Visit 18) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
	(Visit 18) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	WASP-19	RA: 09 53 40.0800 (148.4170000d) Dec: -45 39 33.10 (-45.65919d) Equinox: J2000	Proper Motion RA: -41.3 mas/yr Proper Motion Dec: 16.5 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=12.3	Reference Frame: ICRS

Proposal 12181 - Visit 18 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(10) WASP-19	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -15.173, 1.158; PHASE 0.295 TO 0. 317		[==>]	[1]

Exposures

Proposal 12181 - Visit 18 - The Atmospheric Structure of Giant Hot Exoplanets

2	(10) WASP-19	WFC3/IR, MULTIACCUM, IRSUB128	G141	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -15.173, 1.158		
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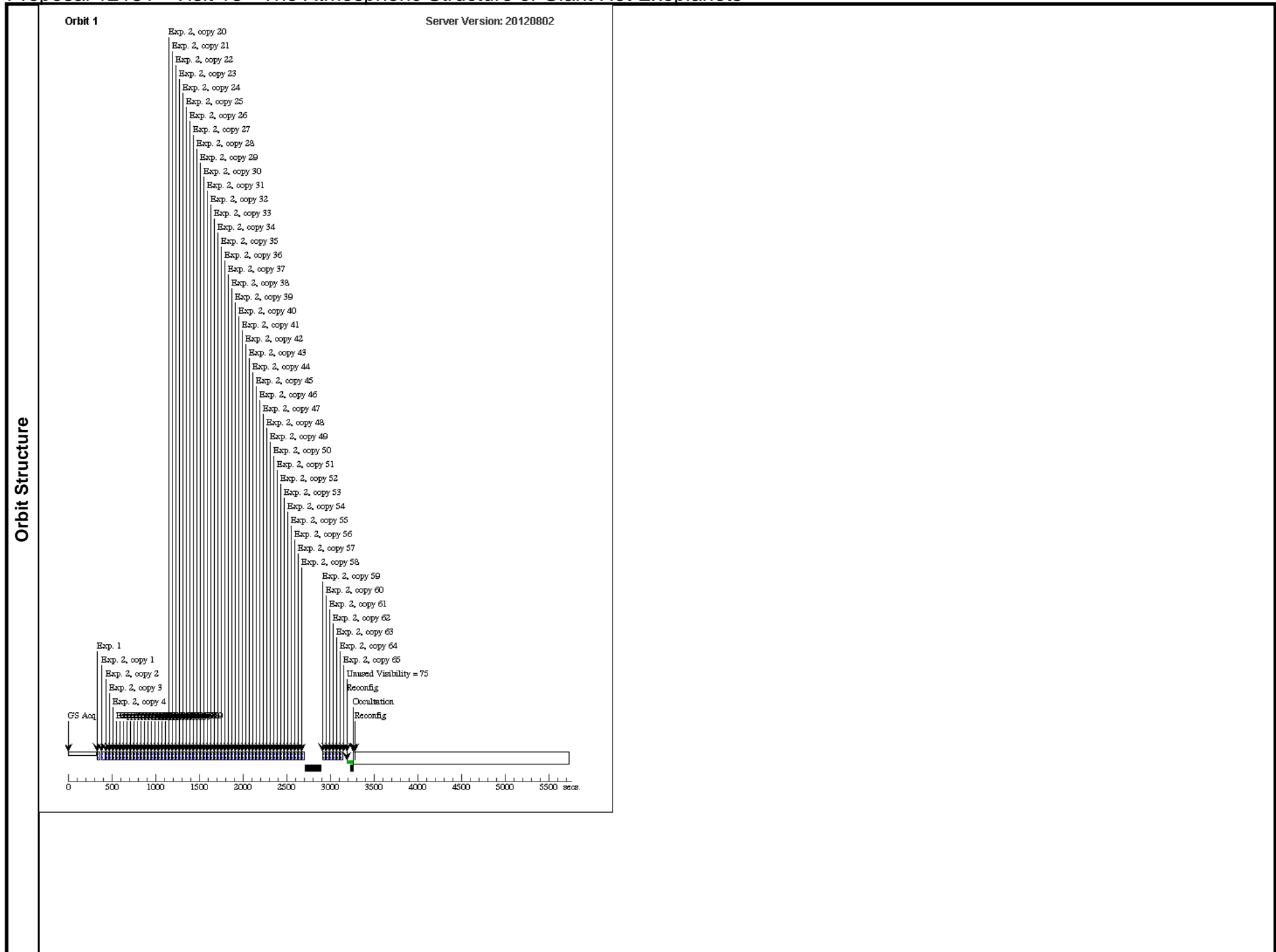
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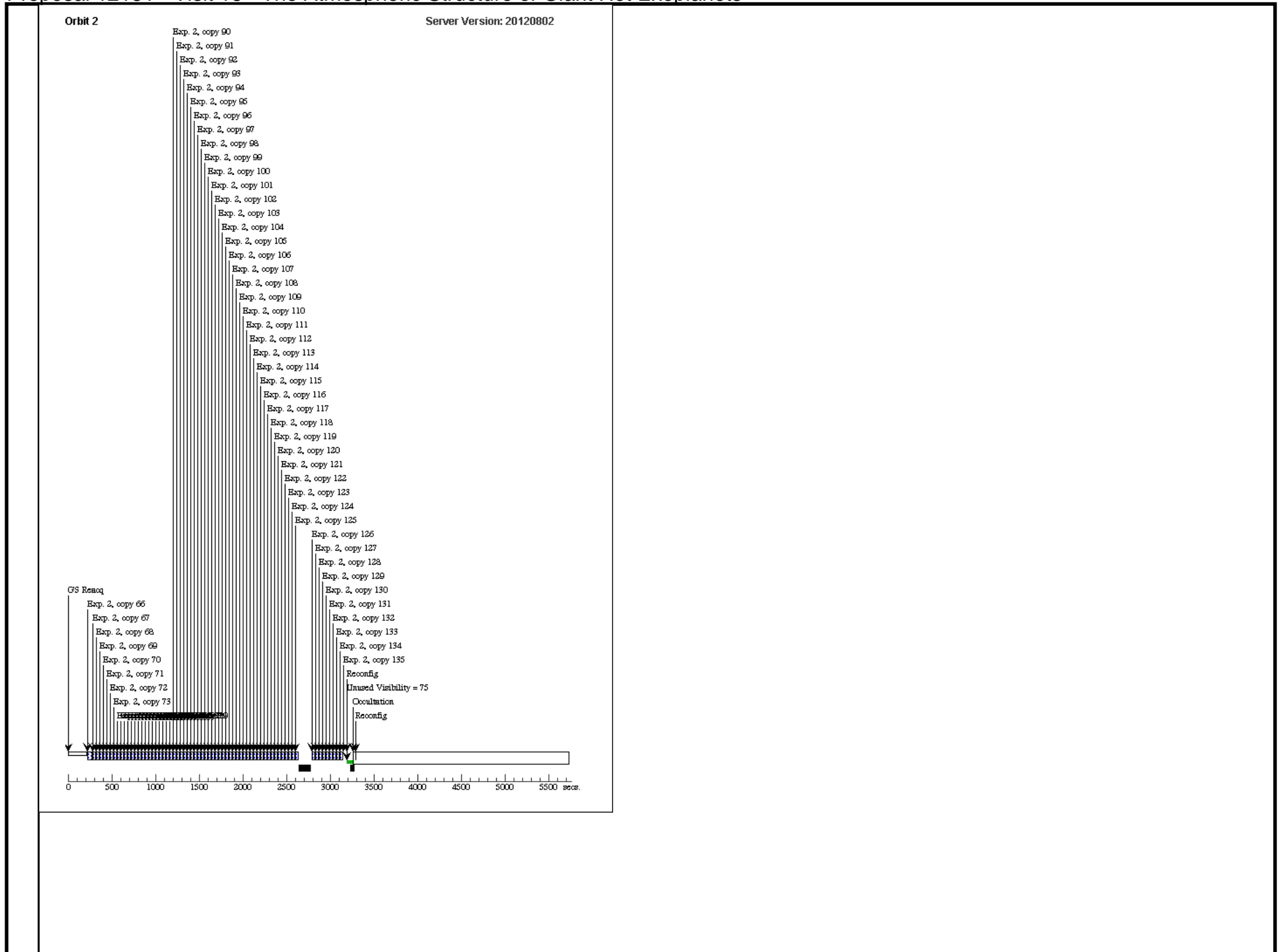
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Proposal 12181 - Visit 18 - The Atmospheric Structure of Giant Hot Exoplanets

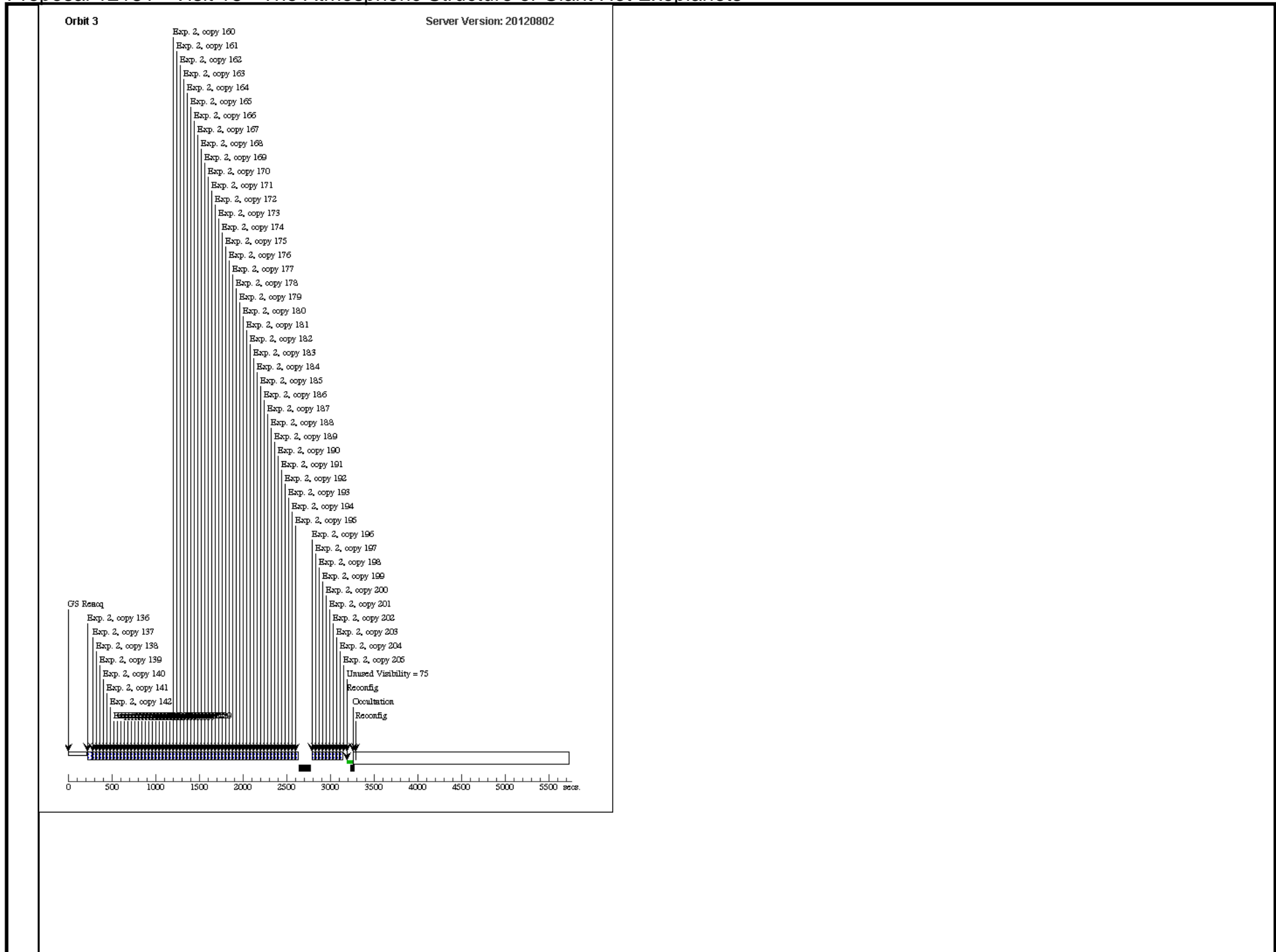
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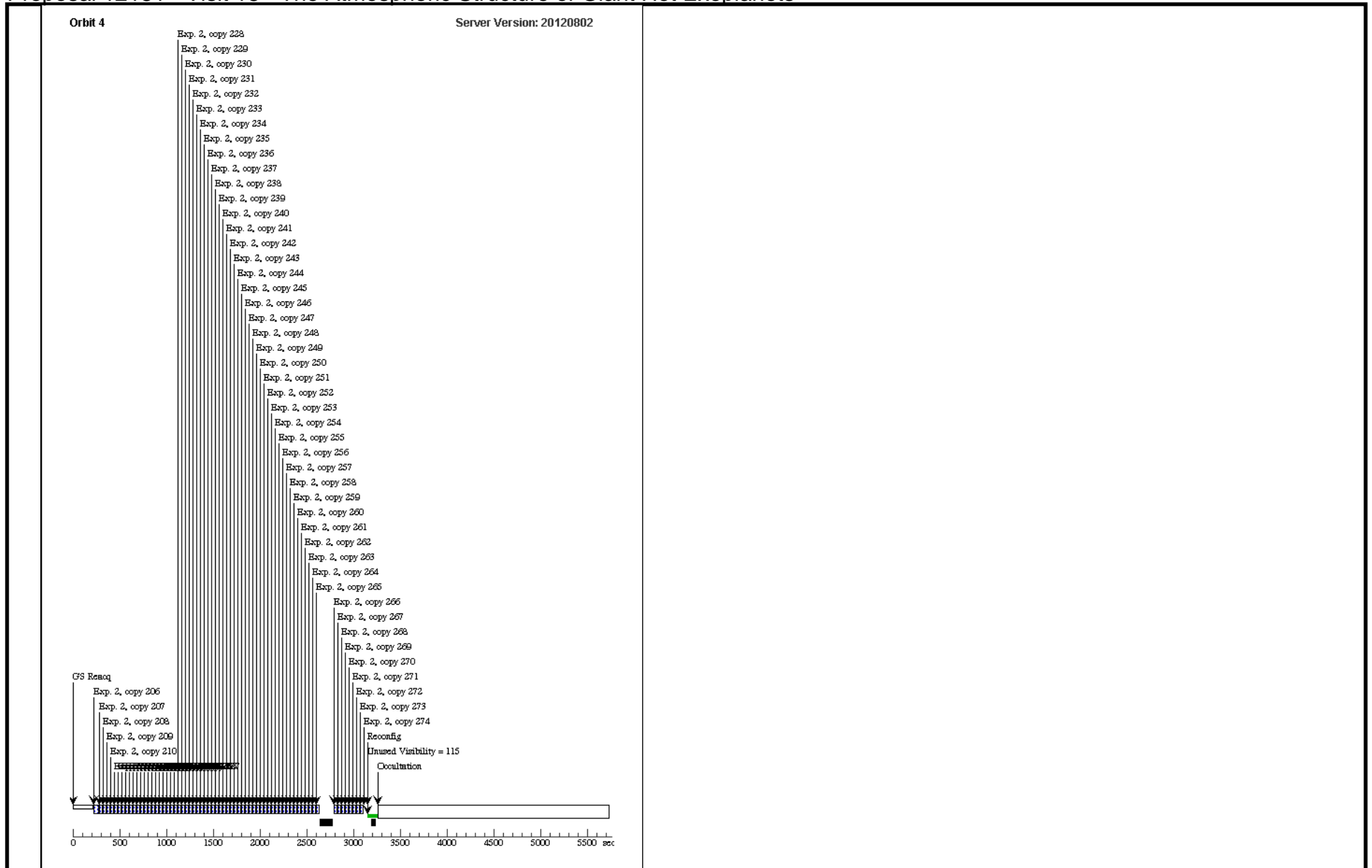
Proposal 12181 - Visit 18 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 18 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 18 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 19 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:31:11 GMT 2012

Visit	<p>Proposal 12181, Visit 19, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; ORIENT 0.0D TO 45.0 D; ORIENT 346.0D TO 359.9 D; Period 1.5089686 D AND ZERO-PHASE HJD2454524.62324</p> <p><i>Comments: eclipse of CoRoT-1</i></p>					
Diagnostics	(Visit 19) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	COROT-1	RA: 06 48 19.1720 (102.0798833d) Dec: -03 06 8.00 (-3.10222d) Equinox: J2000	Proper Motion RA: -9.6 mas/yr Proper Motion Dec: 6.2 mas/yr Epoch of Position: 2000.0	V=13.6	Reference Frame: ICRS

Proposal 12181 - Visit 19 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(14) COROT-1	WFC3/IR, MULTIACCUM, IRSUB128	F139M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 0.0,0.0; PHASE 0.365 TO 0. 395		[==>]	[1]

Exposures

Proposal 12181 - Visit 19 - The Atmospheric Structure of Giant Hot Exoplanets

2	(14) COROT-1	WFC3/IR, MULTIACCUM, GRISM128	G141	SAMP-SEQ=SPARS POS TARG 0.0,0.0 10; NSAMP=15	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p>	[1]
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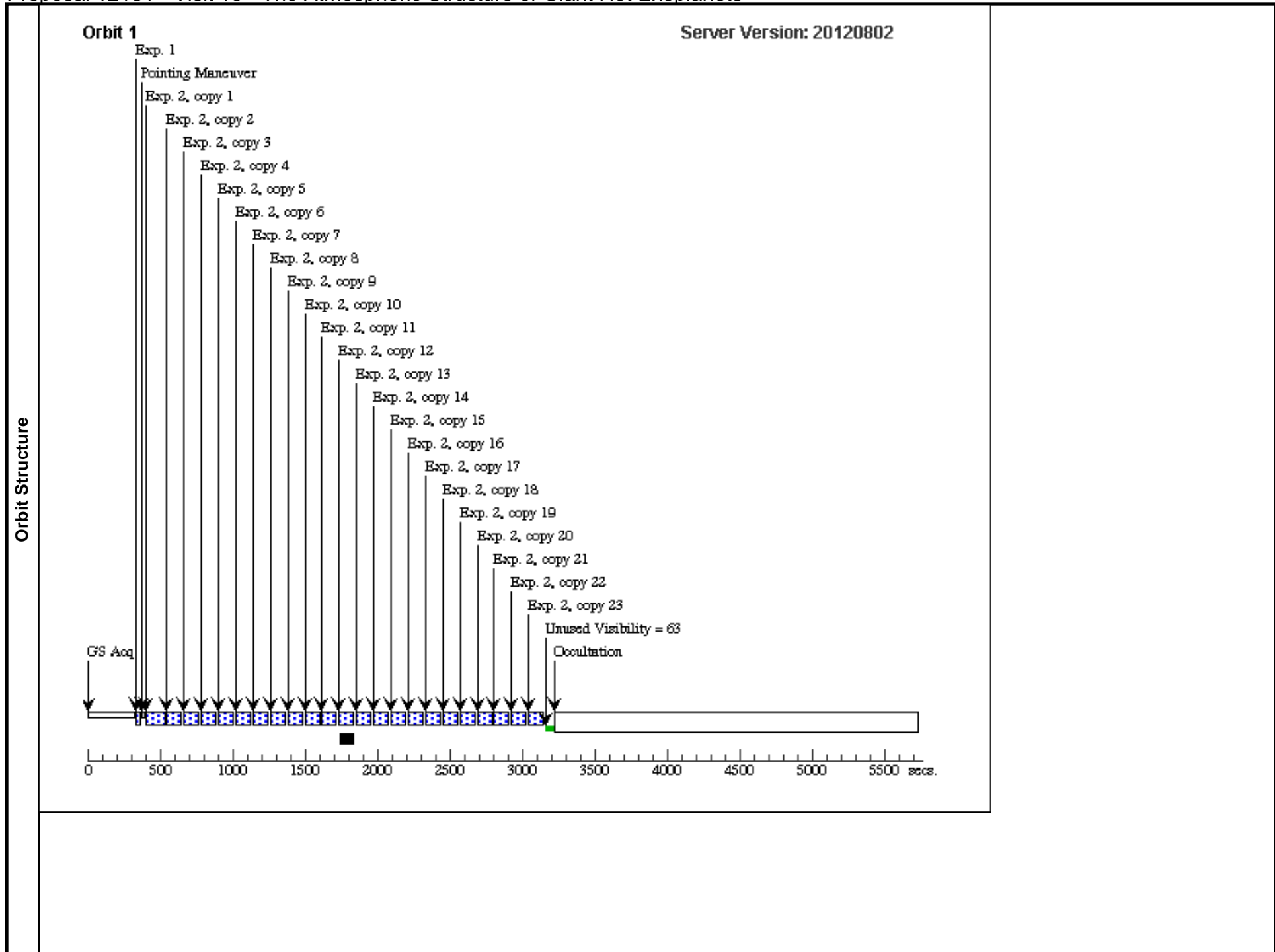
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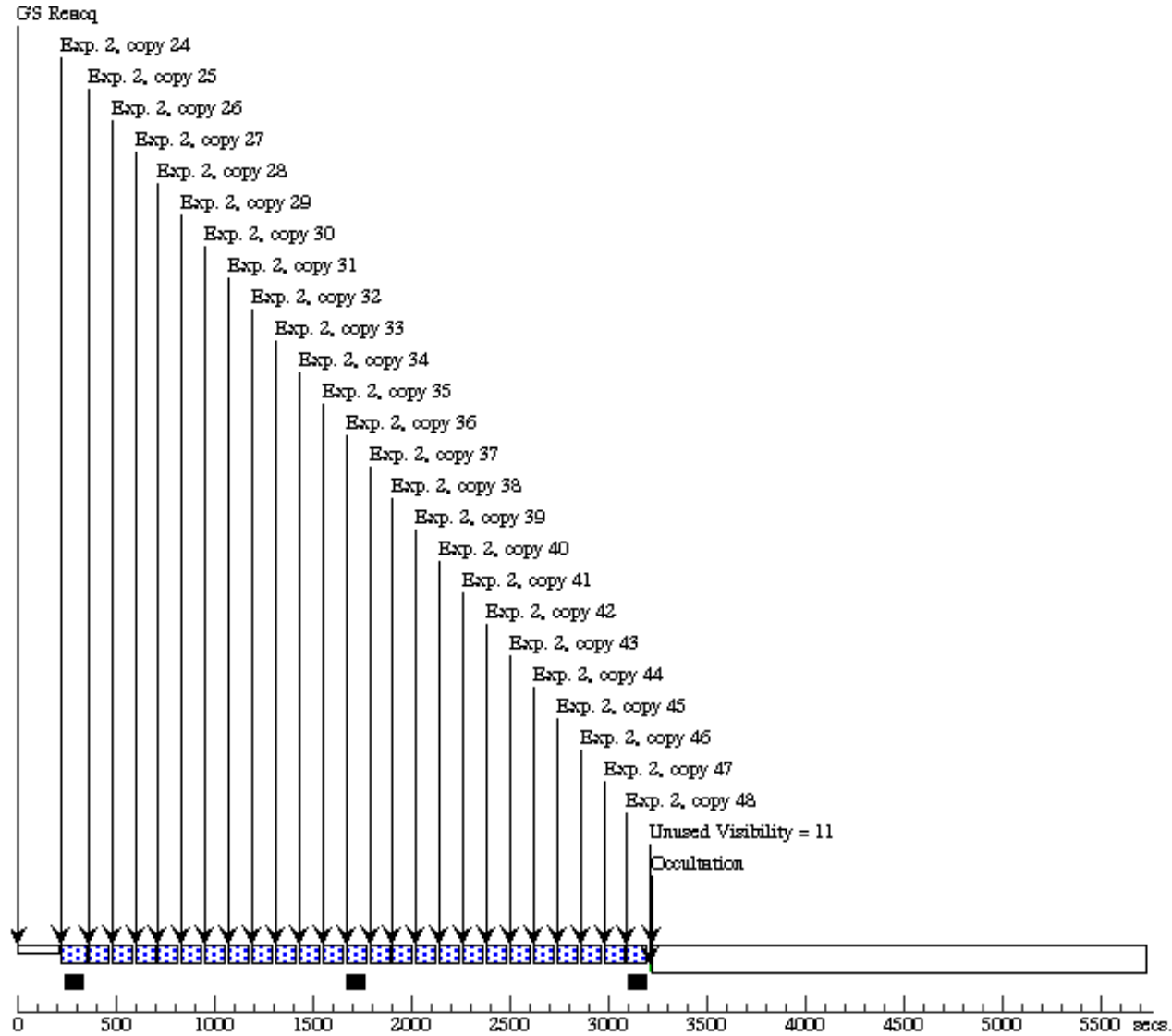
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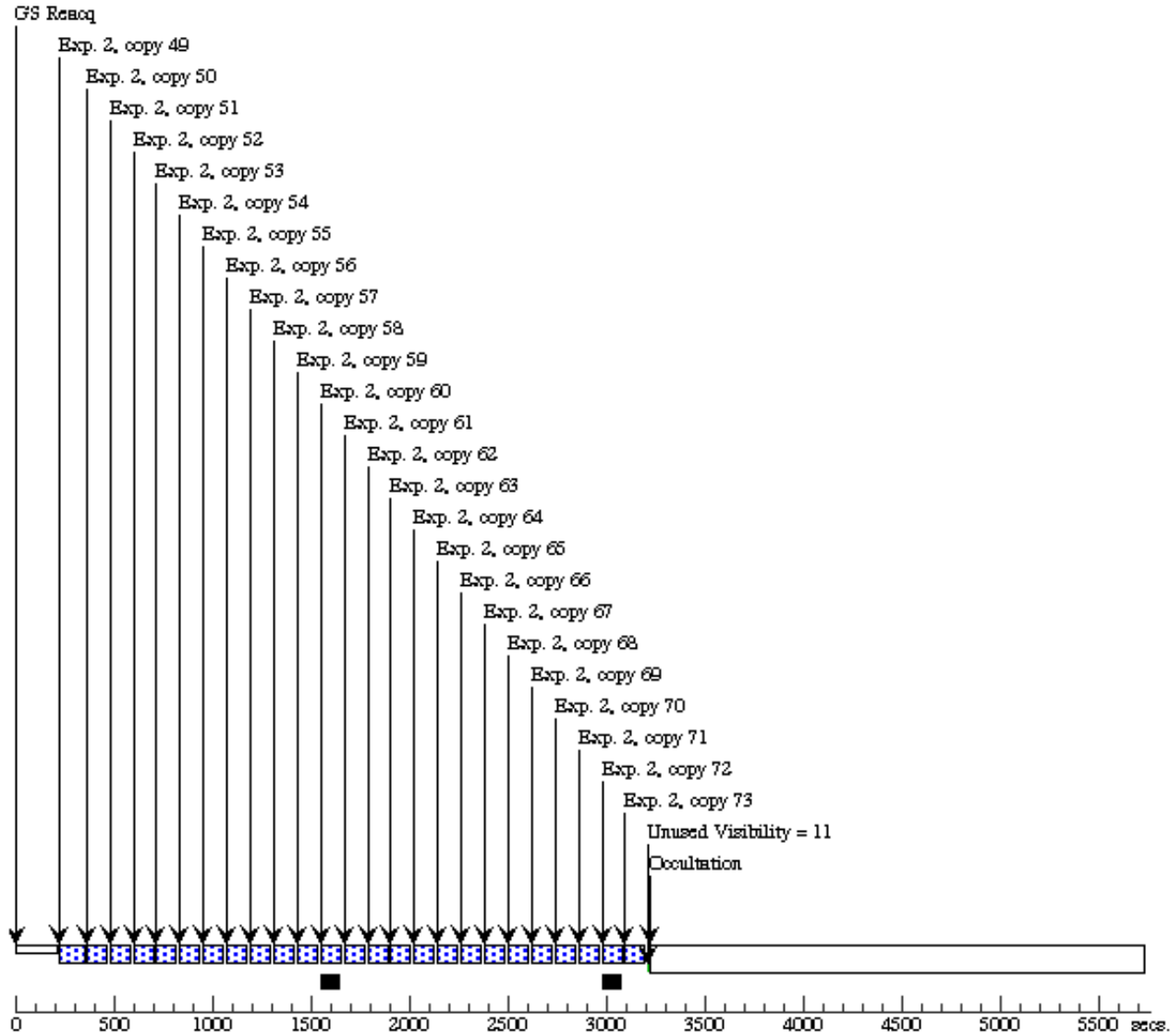
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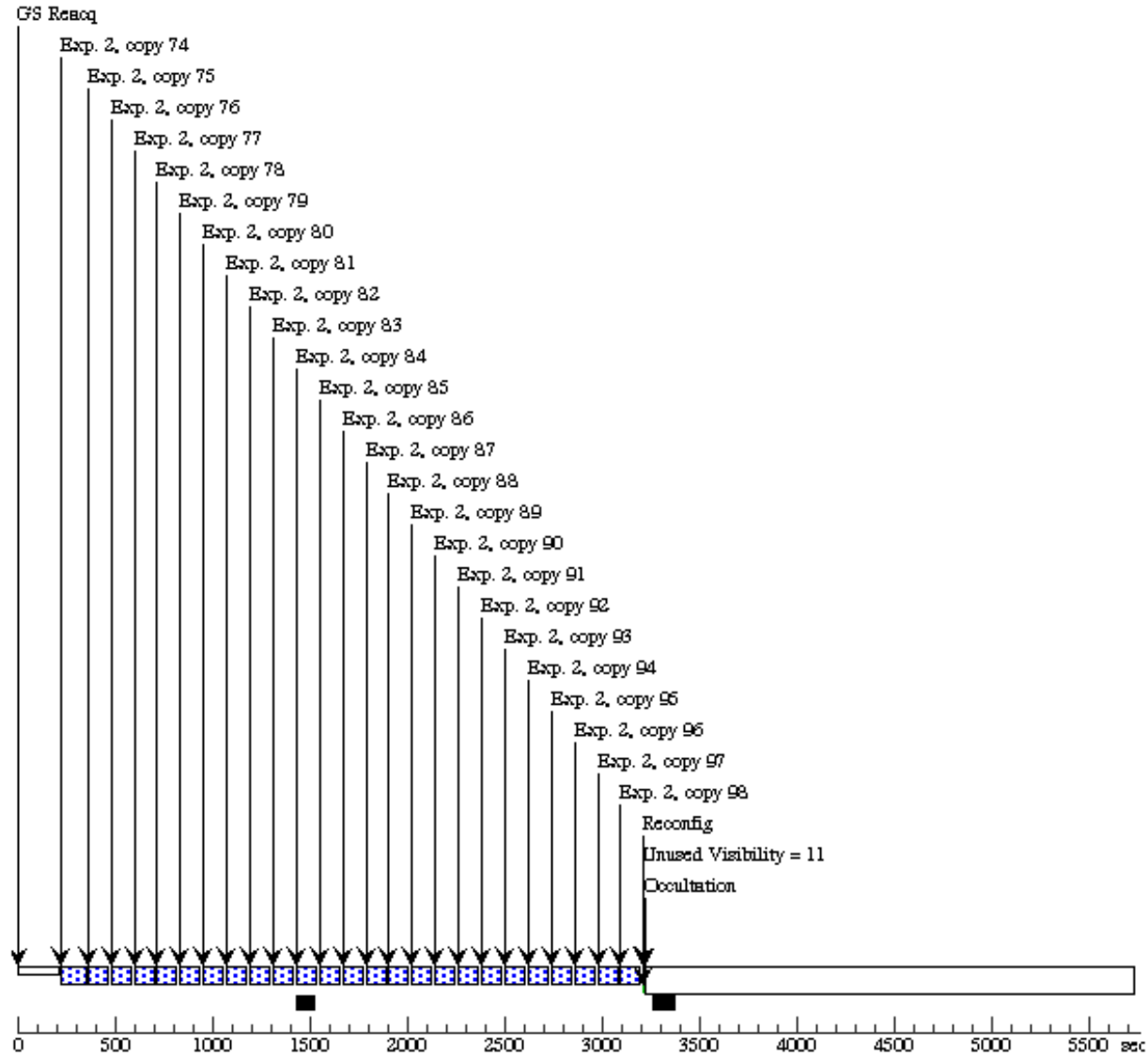
Orbit 2



Orbit 3



Orbit 4



Proposal 12181 - Visit 20 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:31:16 GMT 2012

Visit	<p>Proposal 12181, Visit 20, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; ORIENT 0.0D TO 45.0 D; ORIENT 346.0D TO 359.9 D; Period 1.5089686 D AND ZERO-PHASE HJD2454524.62324</p> <p><i>Comments: eclipse of CoRoT-1</i></p>					
Diagnostics	<p>(Visit 20) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(14)	COROT-1	RA: 06 48 19.1720 (102.0798833d) Dec: -03 06 8.00 (-3.10222d) Equinox: J2000	Proper Motion RA: -9.6 mas/yr Proper Motion Dec: 6.2 mas/yr Epoch of Position: 2000.0	V=13.6	Reference Frame: ICRS

Proposal 12181 - Visit 20 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(14) COROT-1	WFC3/IR, MULTIACCUM, IRSUB128	F139M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 0.0,0.0; PHASE 0.365 TO 0. 395		[==>]	[1]

Exposures

Proposal 12181 - Visit 20 - The Atmospheric Structure of Giant Hot Exoplanets

2	(14) COROT-1	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=15; SAMP-SEQ=SPAR S10	POS TARG 0.0,0.0	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p>	[1]
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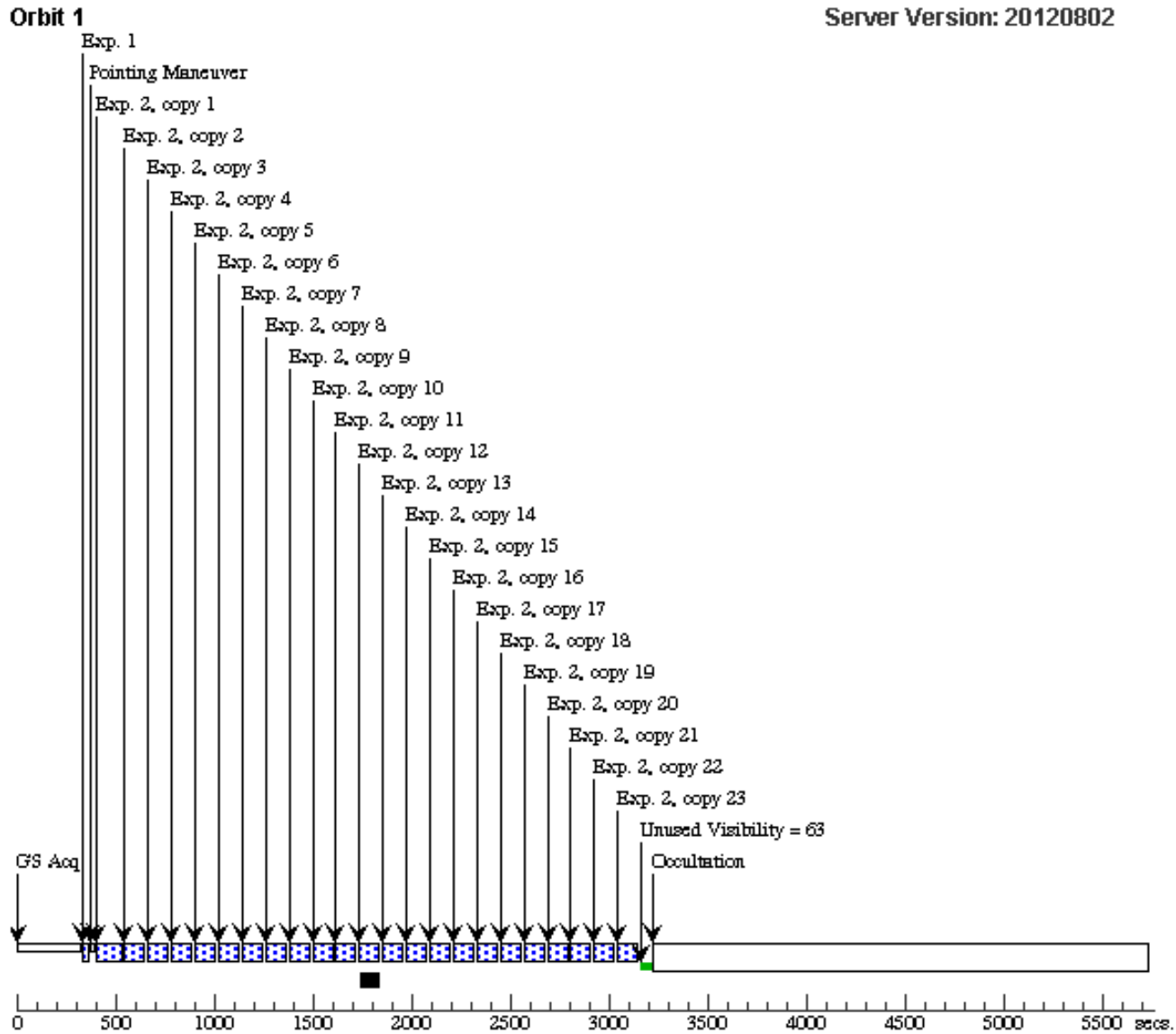
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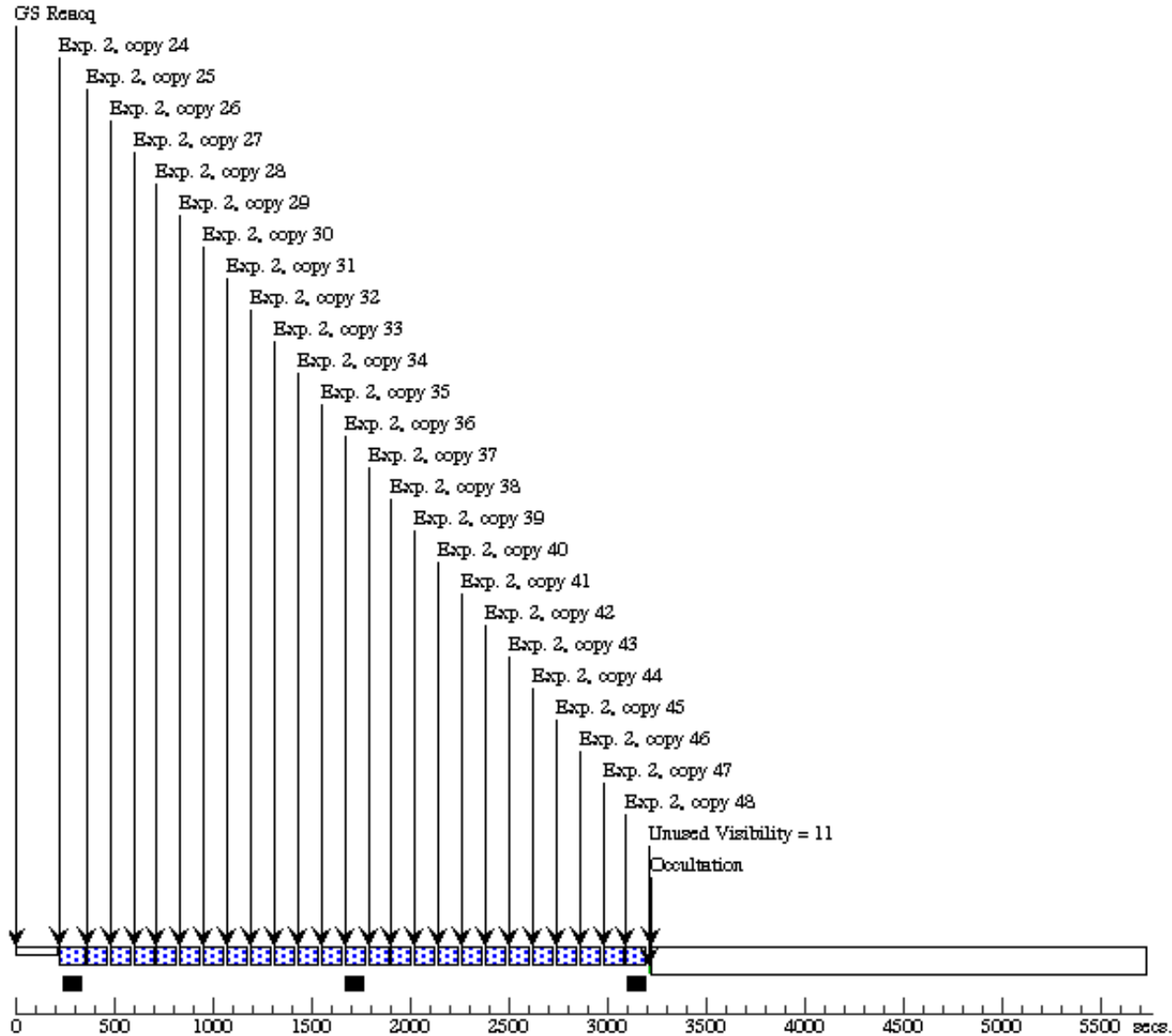
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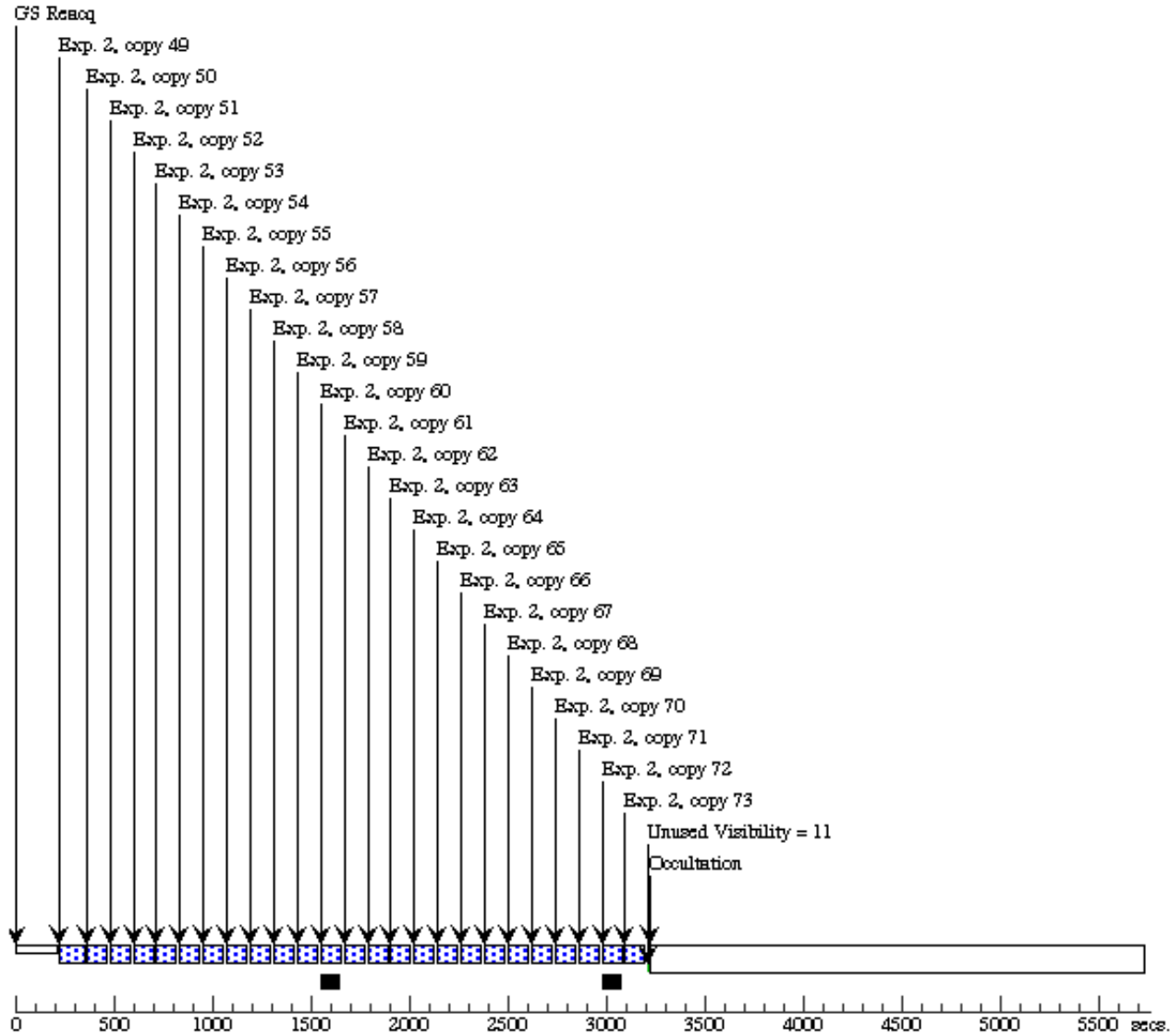
Orbit Structure

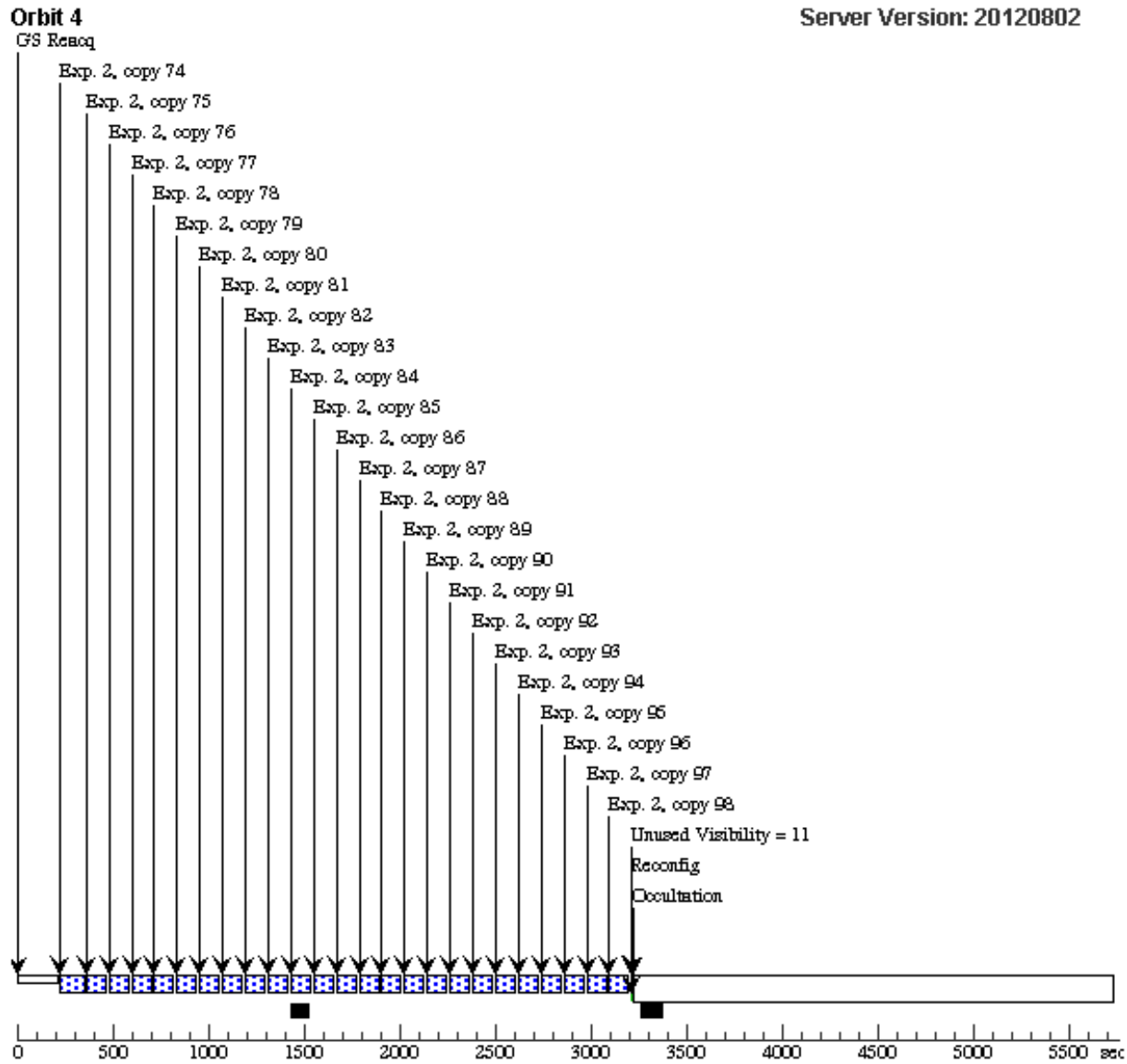


Orbit 2



Orbit 3





Proposal 12181 - Visit 21 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:31:21 GMT 2012

Visit	<p>Proposal 12181, Visit 21, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; ORIENT 0.0D TO 45.0 D; ORIENT 346.0D TO 359.9 D; Period 1.5089686 D AND ZERO-PHASE HJD2454524.62324</p> <p><i>Comments: eclipse of CoRoT-1</i></p>												
Diagnostics	<p>(Visit 21) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</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>(14)</td> <td>COROT-1</td> <td>RA: 06 48 19.1720 (102.0798833d) Dec: -03 06 8.00 (-3.10222d) Equinox: J2000</td> <td>Proper Motion RA: -9.6 mas/yr Proper Motion Dec: 6.2 mas/yr Epoch of Position: 2000.0</td> <td>V=13.6</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(14)	COROT-1	RA: 06 48 19.1720 (102.0798833d) Dec: -03 06 8.00 (-3.10222d) Equinox: J2000	Proper Motion RA: -9.6 mas/yr Proper Motion Dec: 6.2 mas/yr Epoch of Position: 2000.0	V=13.6	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(14)	COROT-1	RA: 06 48 19.1720 (102.0798833d) Dec: -03 06 8.00 (-3.10222d) Equinox: J2000	Proper Motion RA: -9.6 mas/yr Proper Motion Dec: 6.2 mas/yr Epoch of Position: 2000.0	V=13.6	Reference Frame: ICRS								

Proposal 12181 - Visit 21 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(14) COROT-1	WFC3/IR, MULTIACCUM, IRSUB128	F139M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 0.0,0.0; PHASE 0.365 TO 0. 395		[==>]	[1]

Exposures

Proposal 12181 - Visit 21 - The Atmospheric Structure of Giant Hot Exoplanets

2	(14) COROT-1	WFC3/IR, MULTIACCUM, GRISM128	G141	NSAMP=15; SAMP-SEQ=SPAR S10	POS TARG 0.0,0.0	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p>	[1]
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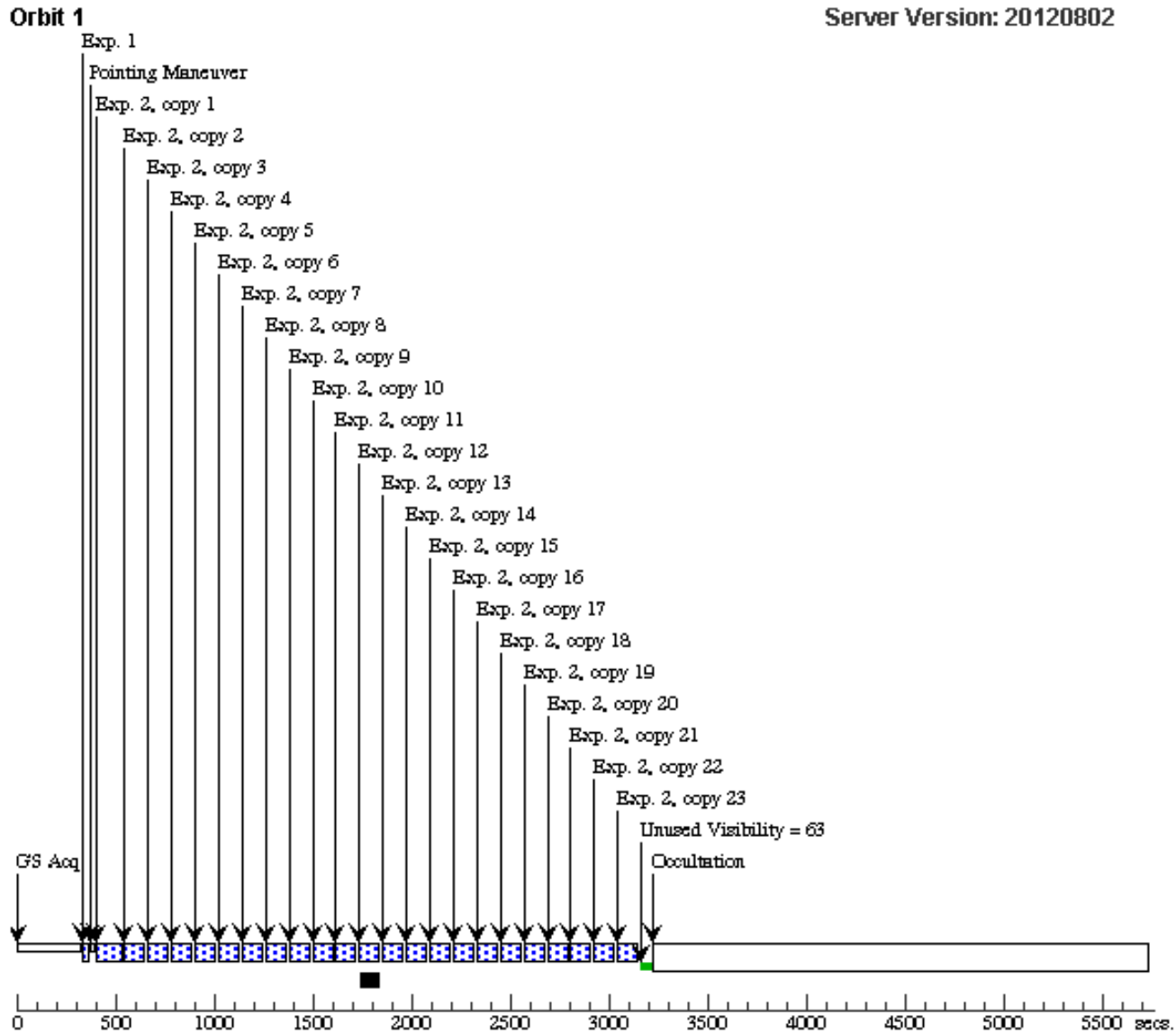
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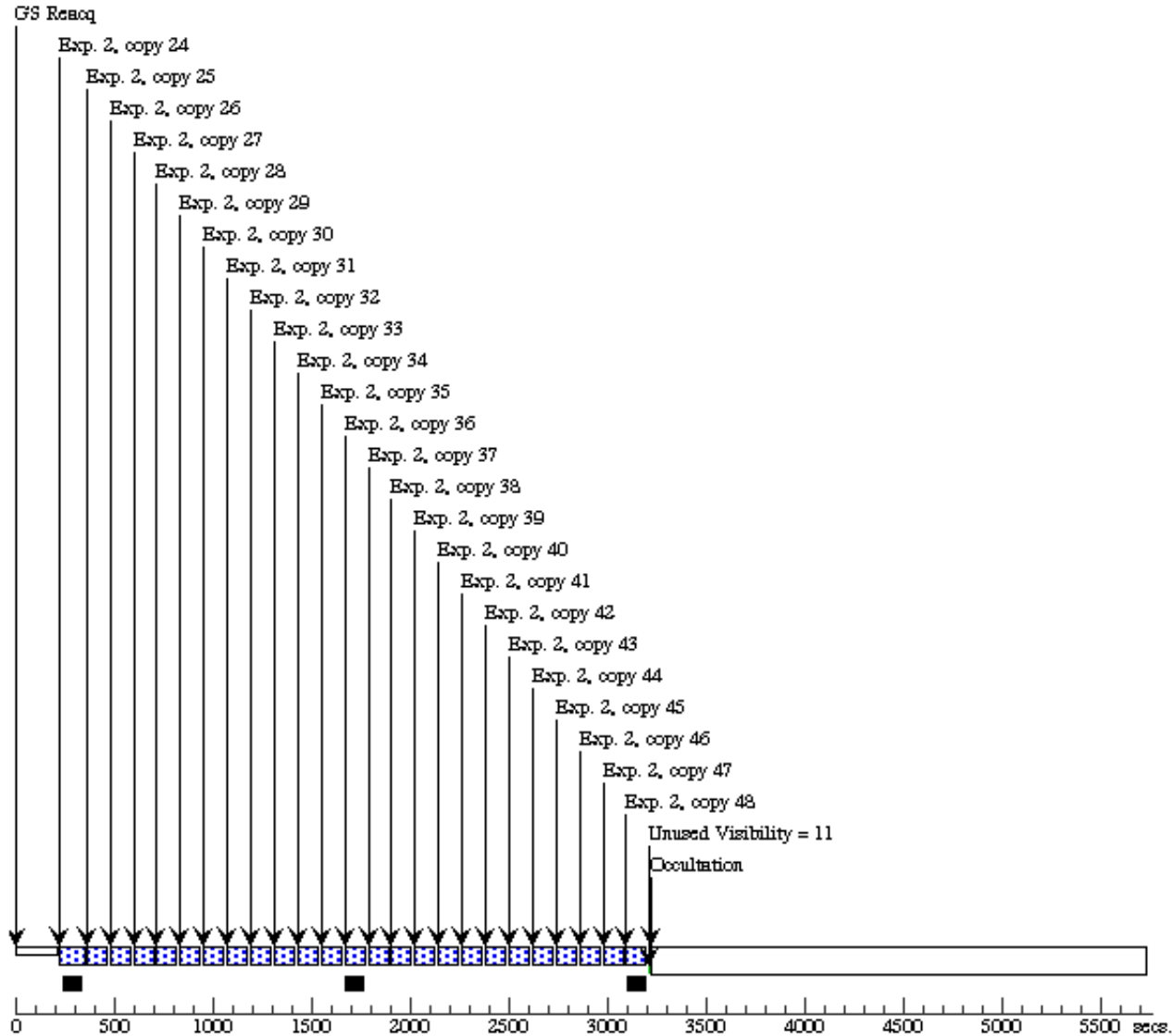
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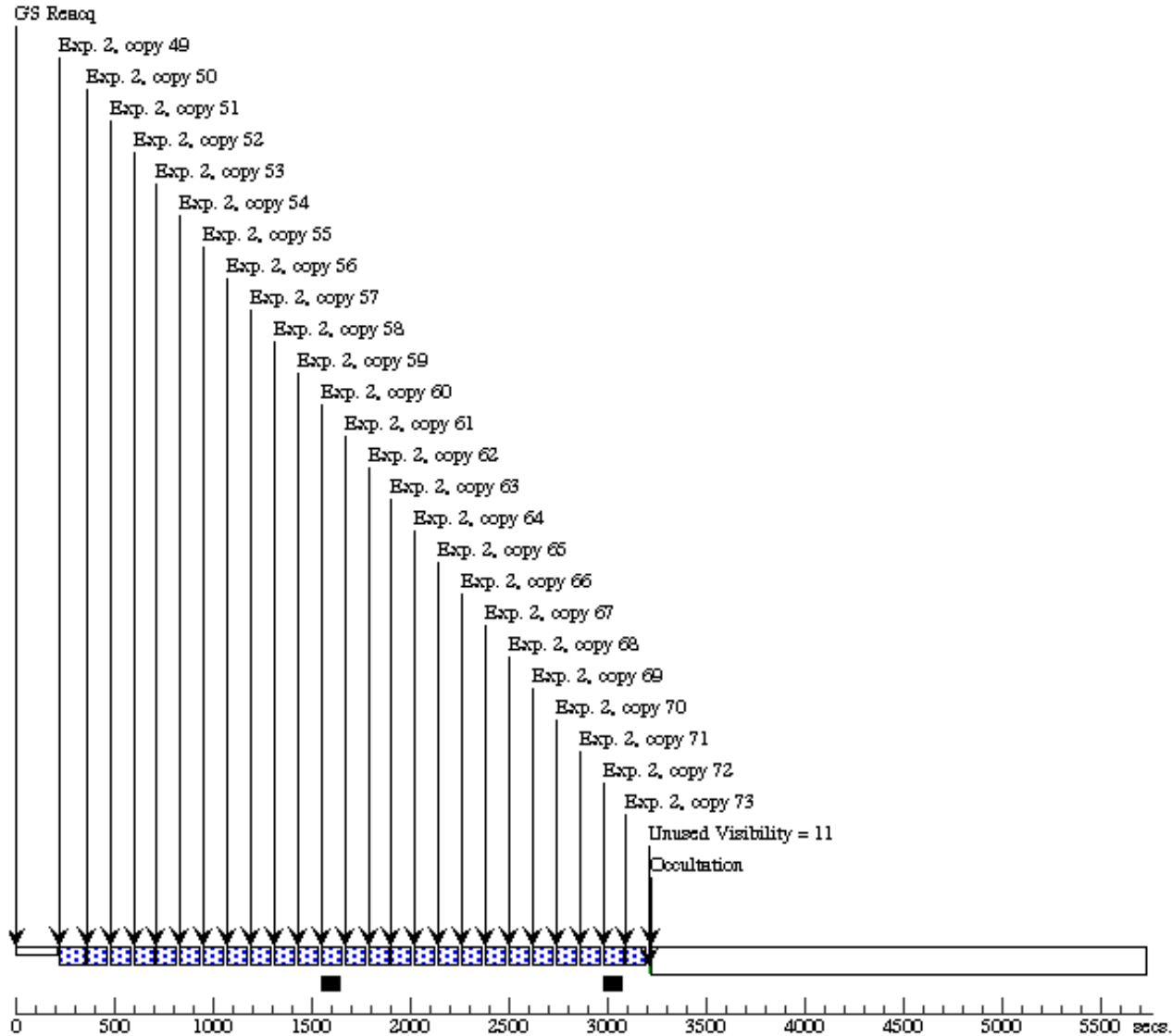
Orbit Structure

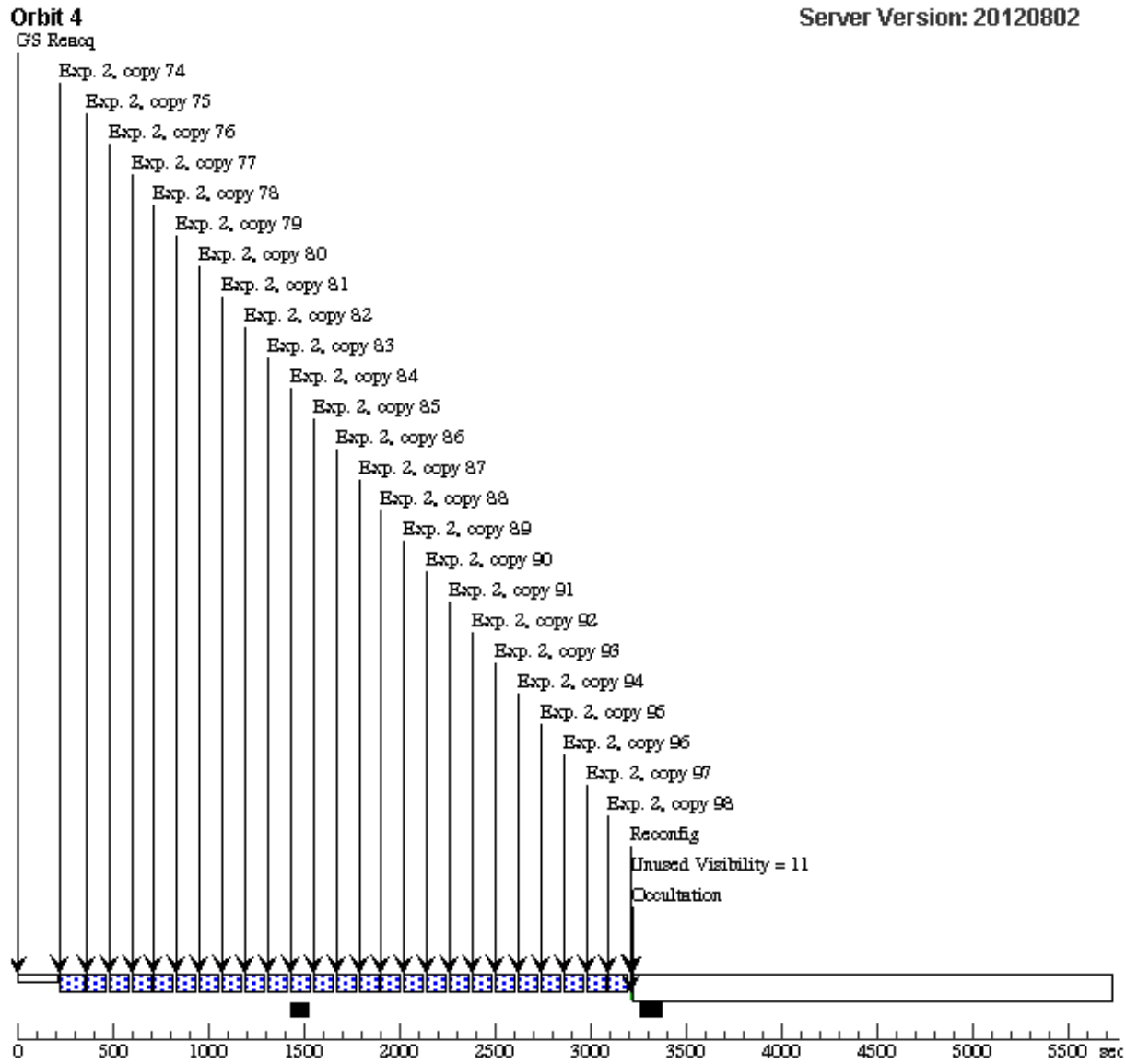


Orbit 2



Orbit 3





Proposal 12181 - Visit 22 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:31:26 GMT 2012

Visit	<p>Proposal 12181, Visit 22, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 76.0D TO 166.0 D; Period 1.7429935 D AND ZERO-PHASE HJD2454237.53556</p> <p><i>Comments: eclipse of CoRoT-2</i></p>												
Diagnostics	<p>(Visit 22) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 22) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 22) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</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>(15)</td> <td>COROT-2</td> <td>RA: 19 27 6.5000 (291.7770833d) Dec: +01 23 1.40 (1.38372d) Equinox: J2000</td> <td>Proper Motion RA: -5.3 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2000.0</td> <td>V=12.6</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(15)	COROT-2	RA: 19 27 6.5000 (291.7770833d) Dec: +01 23 1.40 (1.38372d) Equinox: J2000	Proper Motion RA: -5.3 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2000.0	V=12.6	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(15)	COROT-2	RA: 19 27 6.5000 (291.7770833d) Dec: +01 23 1.40 (1.38372d) Equinox: J2000	Proper Motion RA: -5.3 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2000.0	V=12.6	Reference Frame: ICRS								

Proposal 12181 - Visit 22 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(15) COROT-2	WFC3/IR, MULTIACCUM, IRSUB128	F139M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG 0.0,0.0; PHASE 0.414 TO 0. 422		[==>]	[1]

Exposures

Proposal 12181 - Visit 22 - The Atmospheric Structure of Giant Hot Exoplanets

2	(15) COROT-2	WFC3/IR, MULTIACCUM, GRISM128	G141	SAMP-SEQ=SPARS POS TARG 0.0,0.0 10; NSAMP=4		
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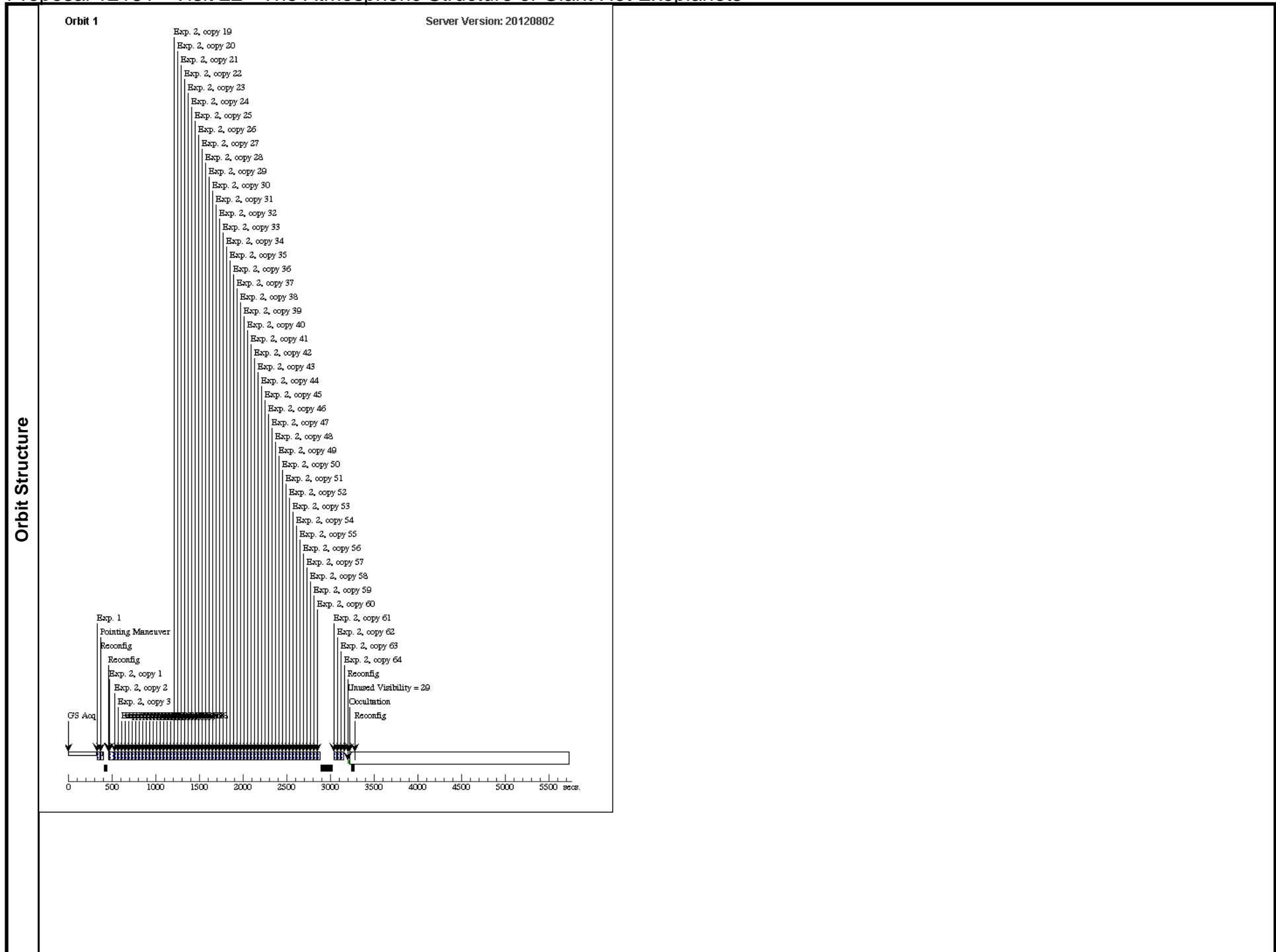
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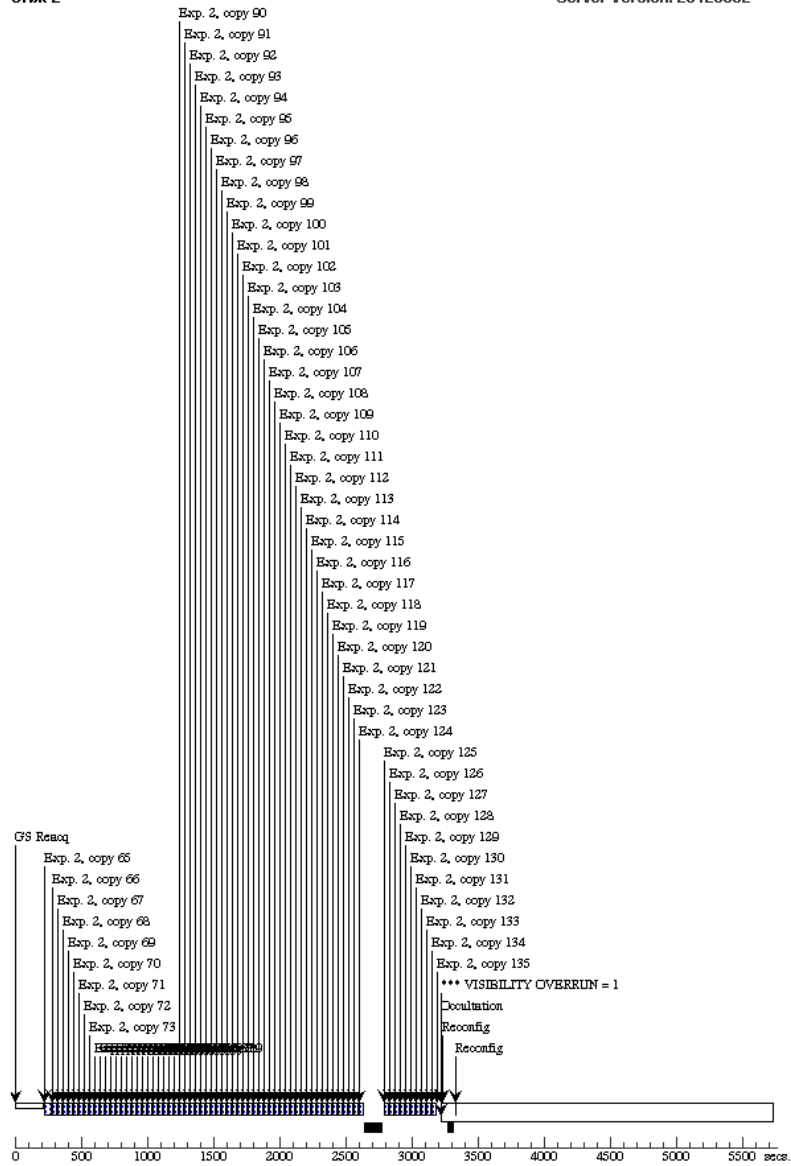
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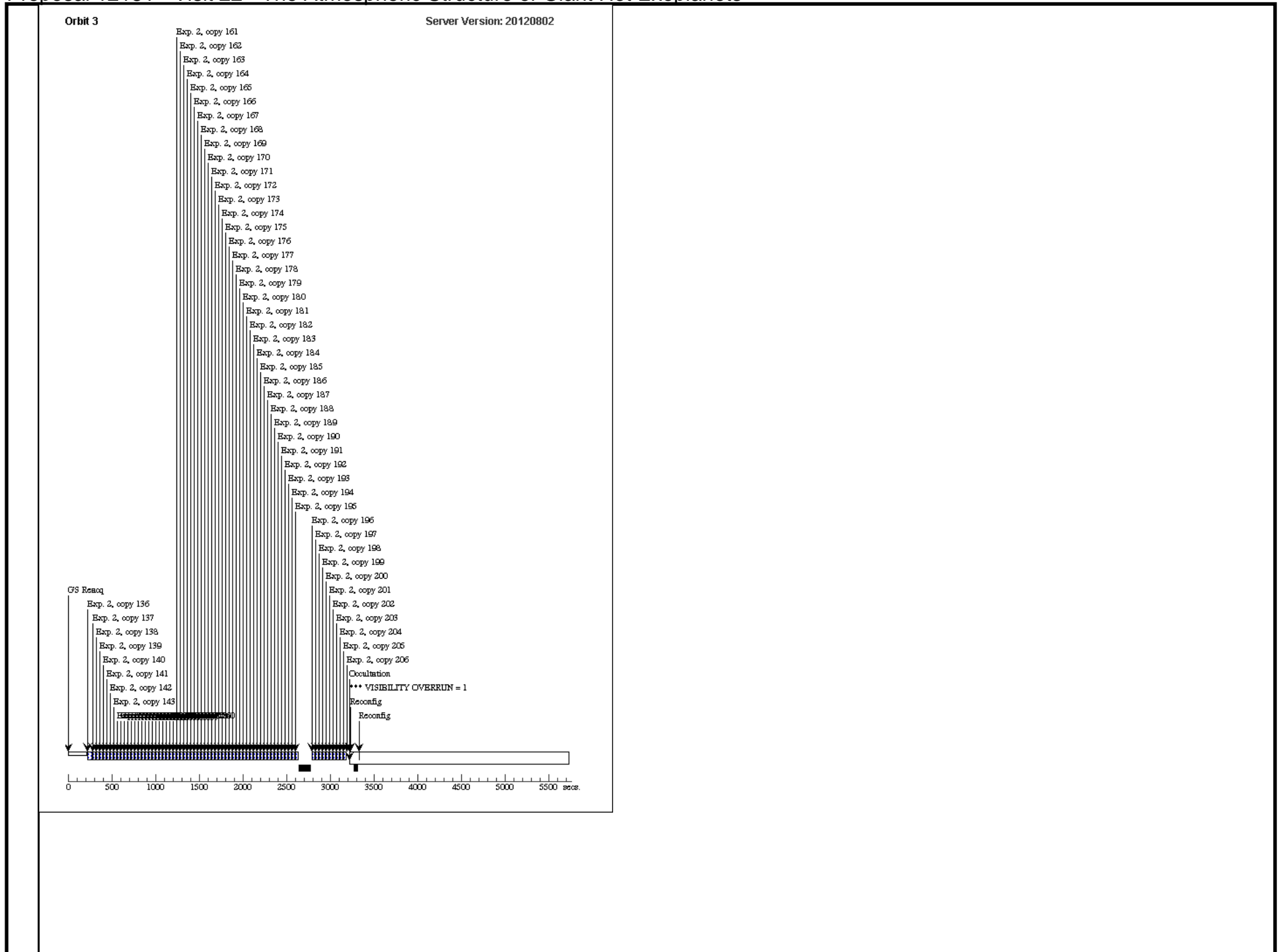
Proposal 12181 - Visit 22 - The Atmospheric Structure of Giant Hot Exoplanets

Orbit 2

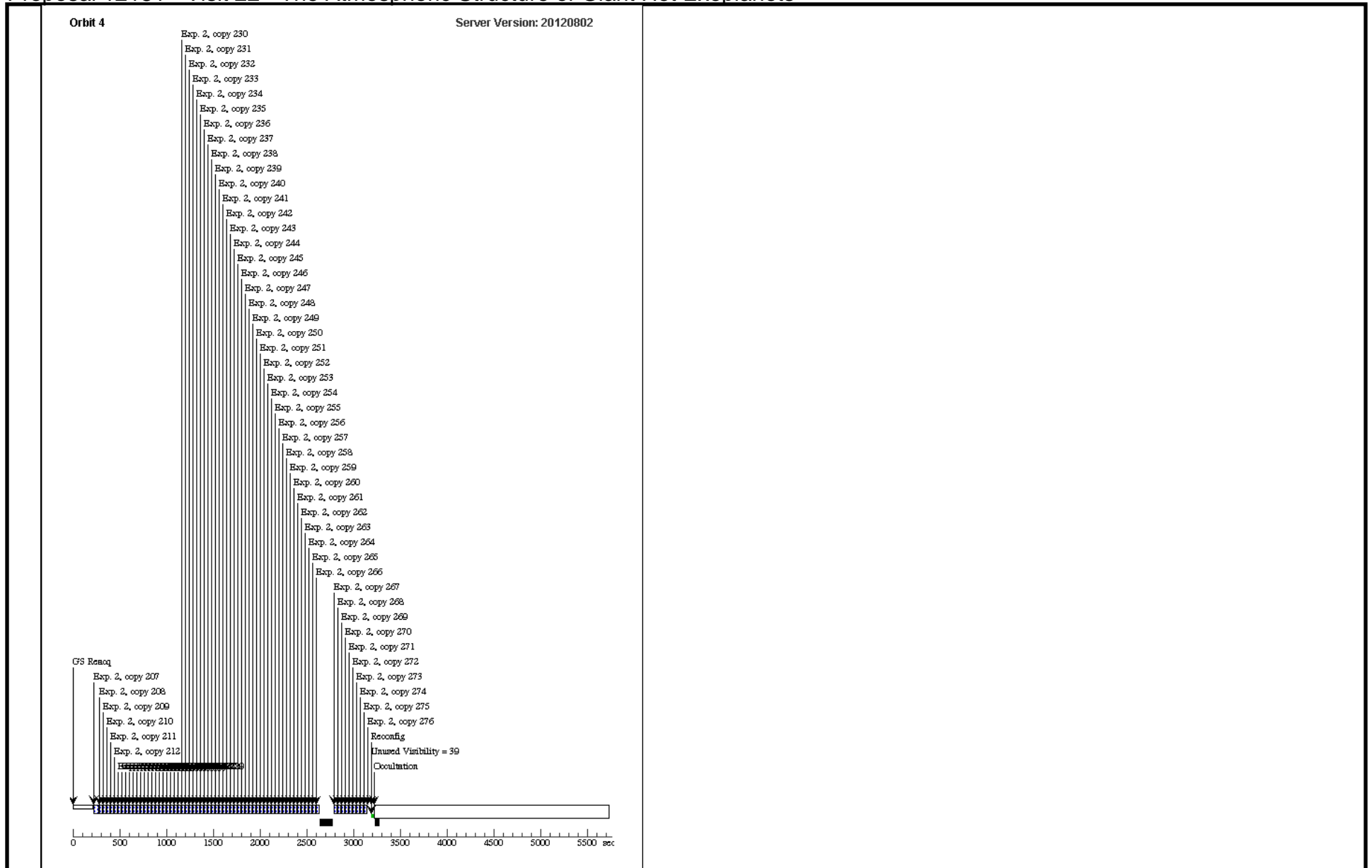
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Proposal 12181 - Visit 22 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 22 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 23 - The Atmospheric Structure of Giant Hot Exoplanets

Visit	<p>Proposal 12181, Visit 23, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 76.0D TO 166.0 D; Period 1.7429935 D AND ZERO-PHASE HJD2454237.53556 <i>Comments: eclipse of CoRoT-2</i></p>	Tue Sep 11 07:31:46 GMT 2012
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Proposal 12181 - Visit 23 - The Atmospheric Structure of Giant Hot Exoplanets

	(Visit 23) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
	(Visit 23) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(15)	COROT-2	RA: 19 27 6.5000 (291.7770833d) Dec: +01 23 1.40 (1.38372d) Equinox: J2000	Proper Motion RA: -5.3 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2000.0	V=12.6	Reference Frame: ICRS

Proposal 12181 - Visit 23 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(15) COROT-2	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -15.173, 1.158; PHASE 0.397 TO 0. 405		[==>]	[1]

Exposures

Proposal 12181 - Visit 23 - The Atmospheric Structure of Giant Hot Exoplanets

2	(15) COROT-2	WFC3/IR, MULTIACCUM, IRSUB128	G141	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -15.173, 1.158		
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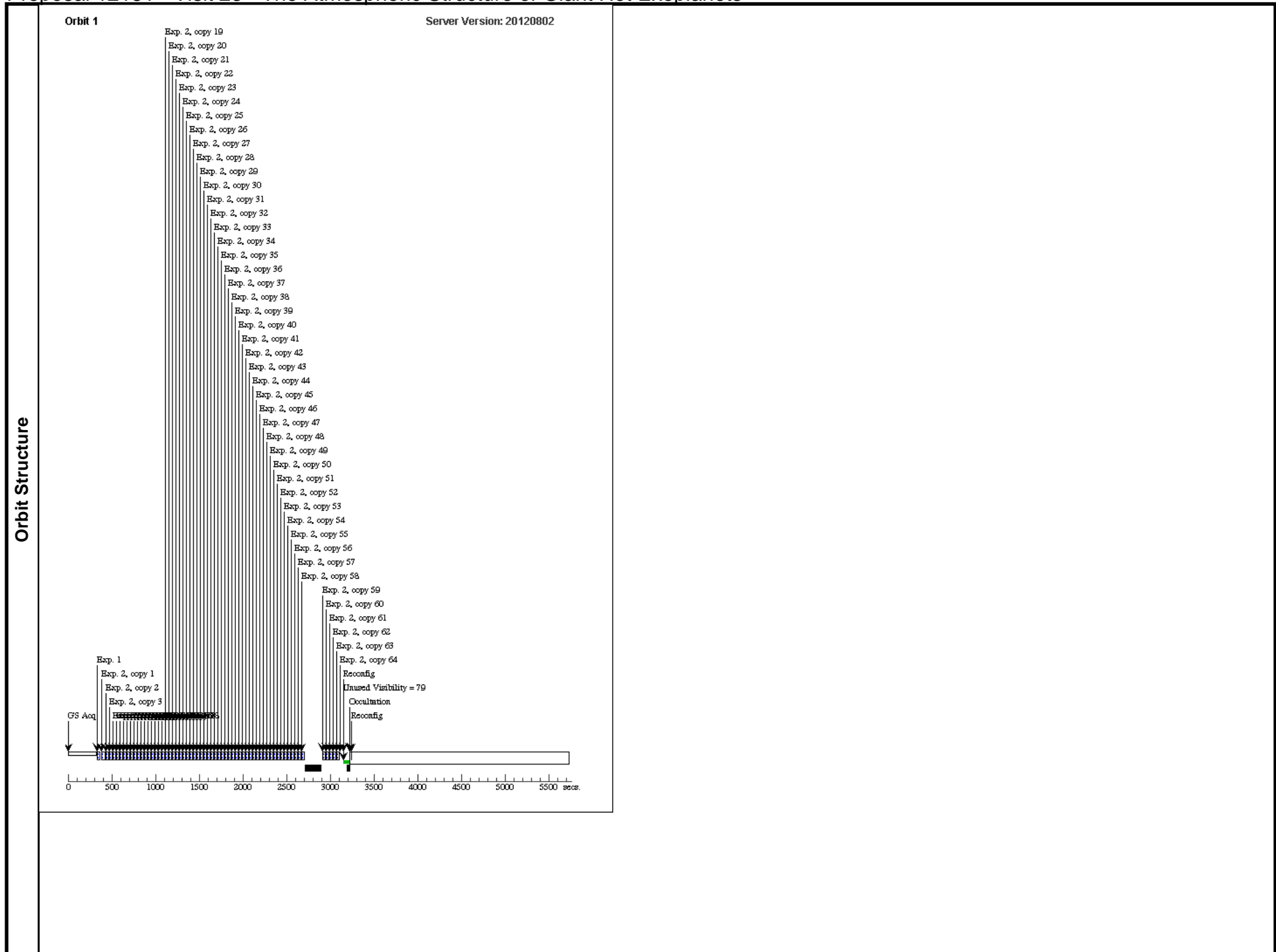
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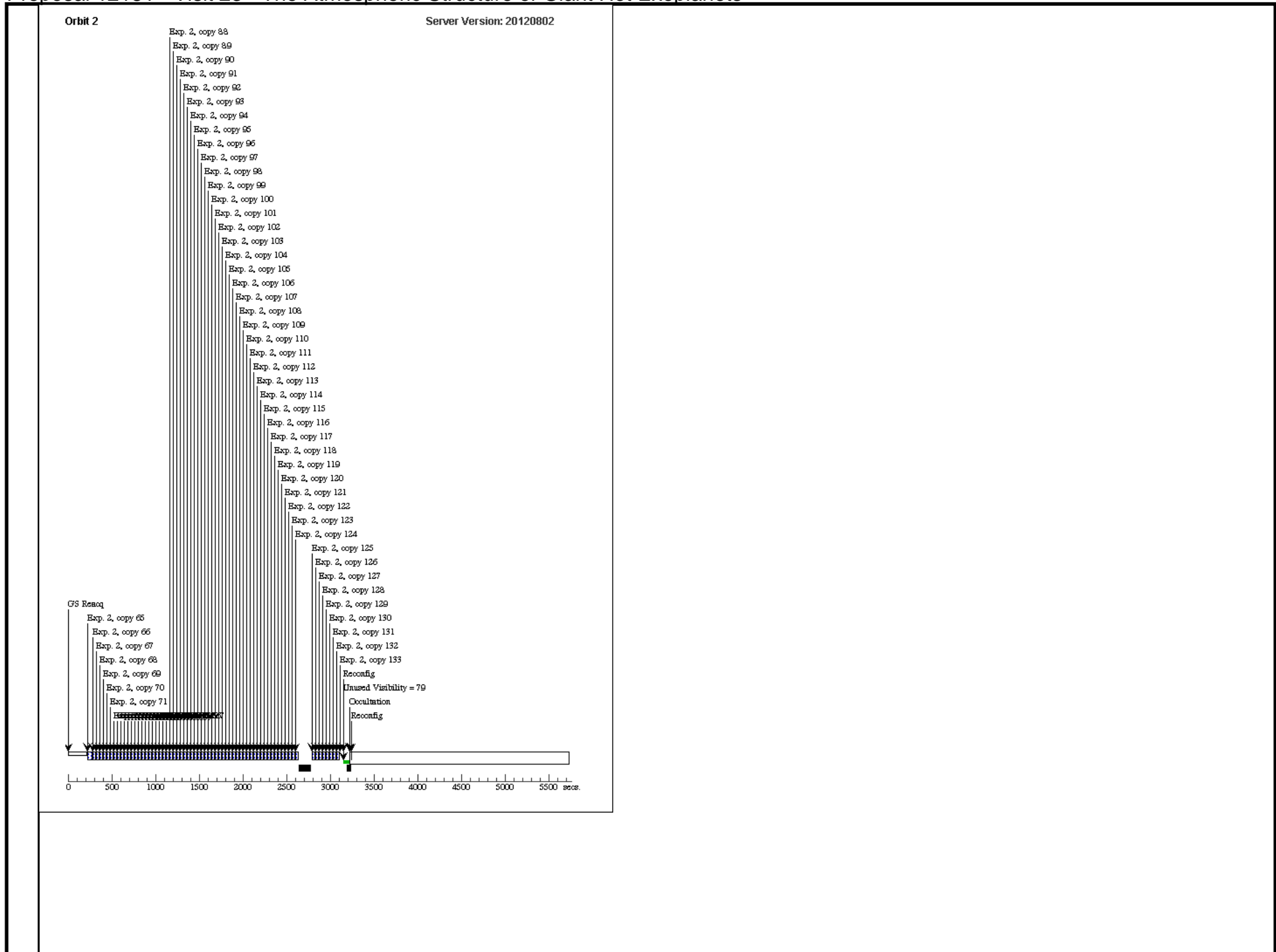
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Proposal 12181 - Visit 23 - The Atmospheric Structure of Giant Hot Exoplanets

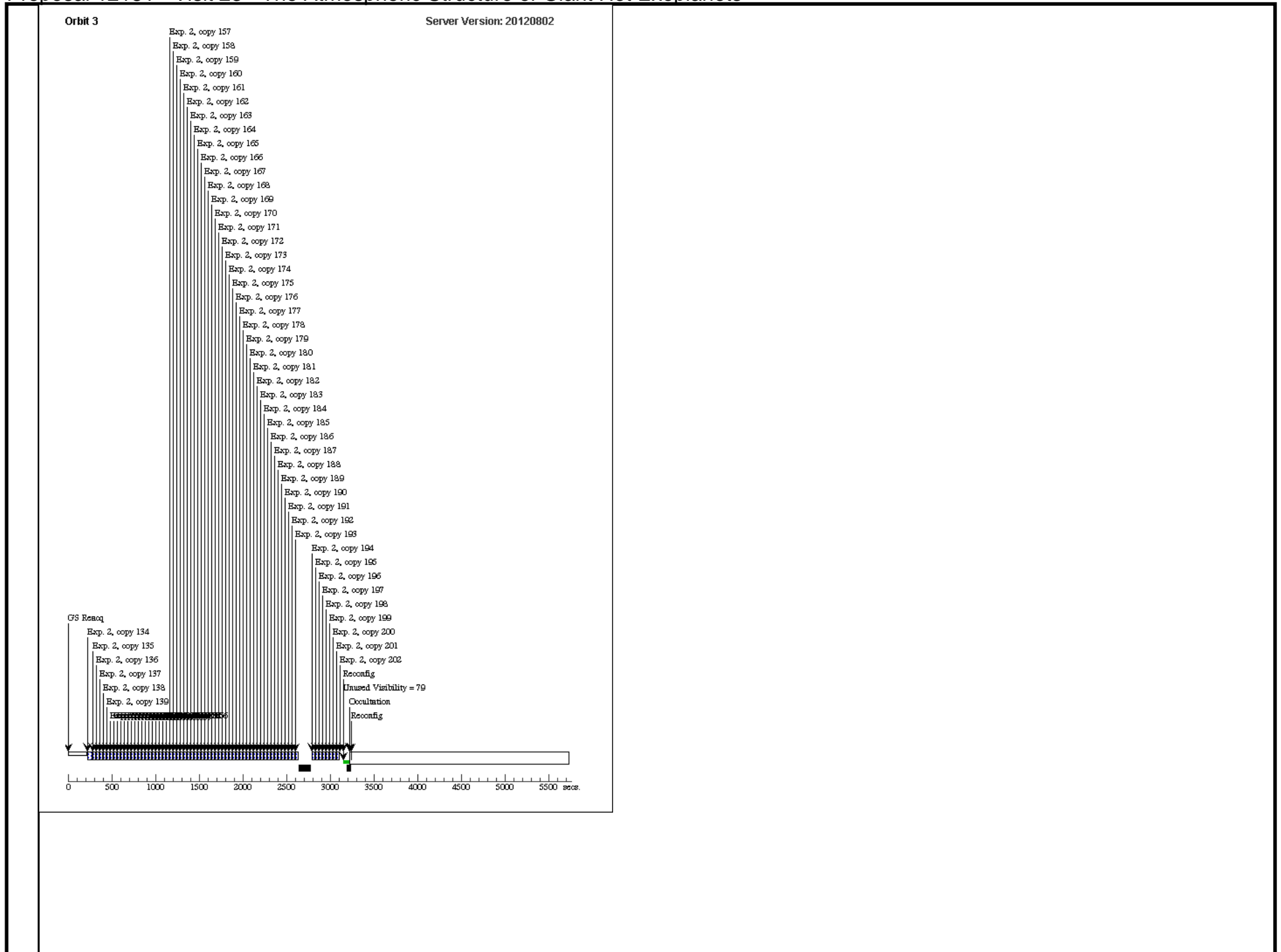
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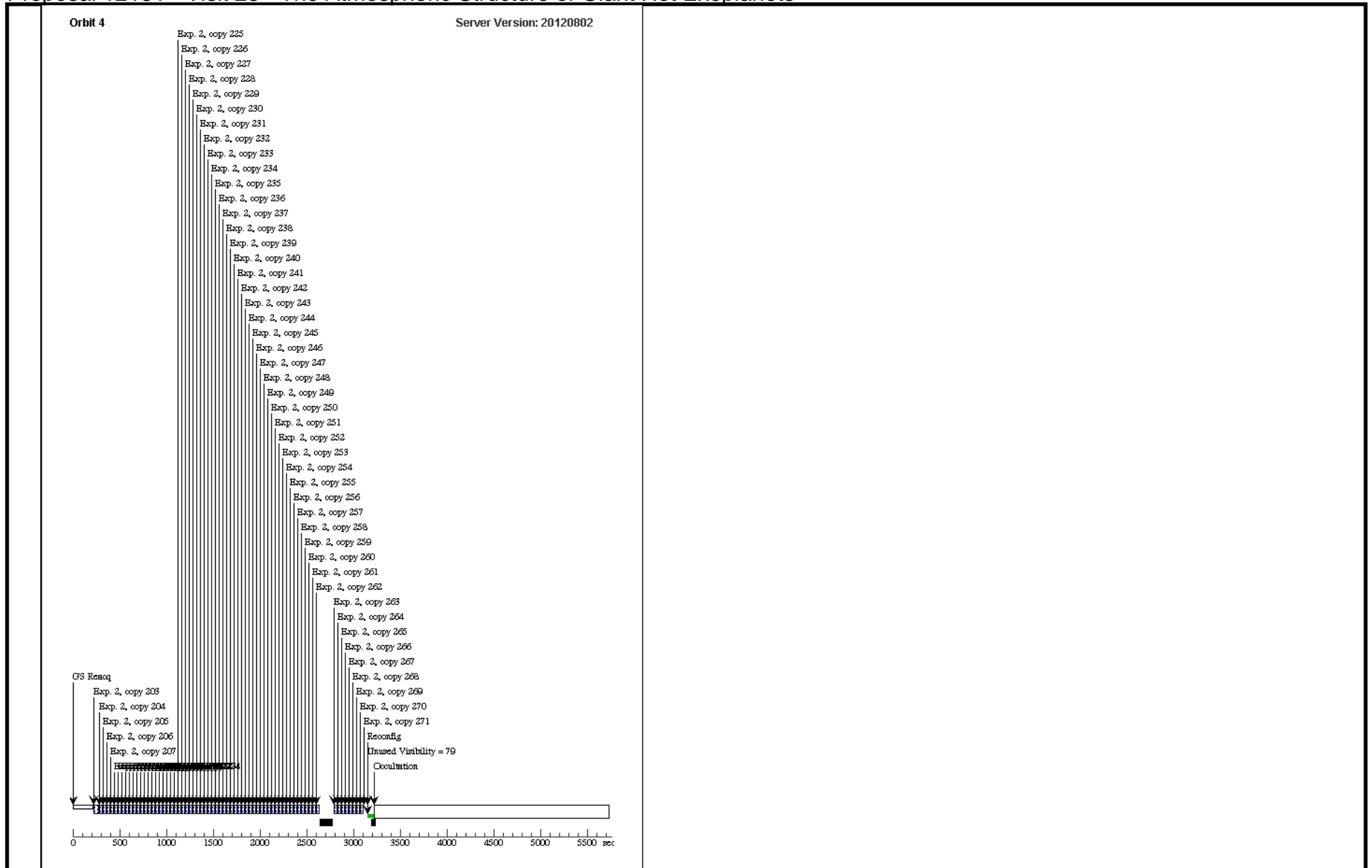
Proposal 12181 - Visit 23 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 23 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 23 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 24 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:33:58 GMT 2012

Visit	<p>Proposal 12181, Visit 24, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 76.0D TO 166.0 D; Period 1.7429935 D AND ZERO-PHASE HJD2454237.53556</p> <p><i>Comments: eclipse of CoRoT-2</i></p>												
Diagnostics	<p>(Visit 24) Warning (Orbit Planner): VISIBILITY OVERRUN</p> <p>(Visit 24) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.</p> <p>(Visit 24) Warning (Orbit Planner): VISIBILITY OVERRUN</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>(15)</td> <td>COROT-2</td> <td>RA: 19 27 6.5000 (291.7770833d) Dec: +01 23 1.40 (1.38372d) Equinox: J2000</td> <td>Proper Motion RA: -5.3 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2000.0</td> <td>V=12.6</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(15)	COROT-2	RA: 19 27 6.5000 (291.7770833d) Dec: +01 23 1.40 (1.38372d) Equinox: J2000	Proper Motion RA: -5.3 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2000.0	V=12.6	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(15)	COROT-2	RA: 19 27 6.5000 (291.7770833d) Dec: +01 23 1.40 (1.38372d) Equinox: J2000	Proper Motion RA: -5.3 mas/yr Proper Motion Dec: -9.1 mas/yr Epoch of Position: 2000.0	V=12.6	Reference Frame: ICRS								

Proposal 12181 - Visit 24 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
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Exposures

Proposal 12181 - Visit 24 - The Atmospheric Structure of Giant Hot Exoplanets

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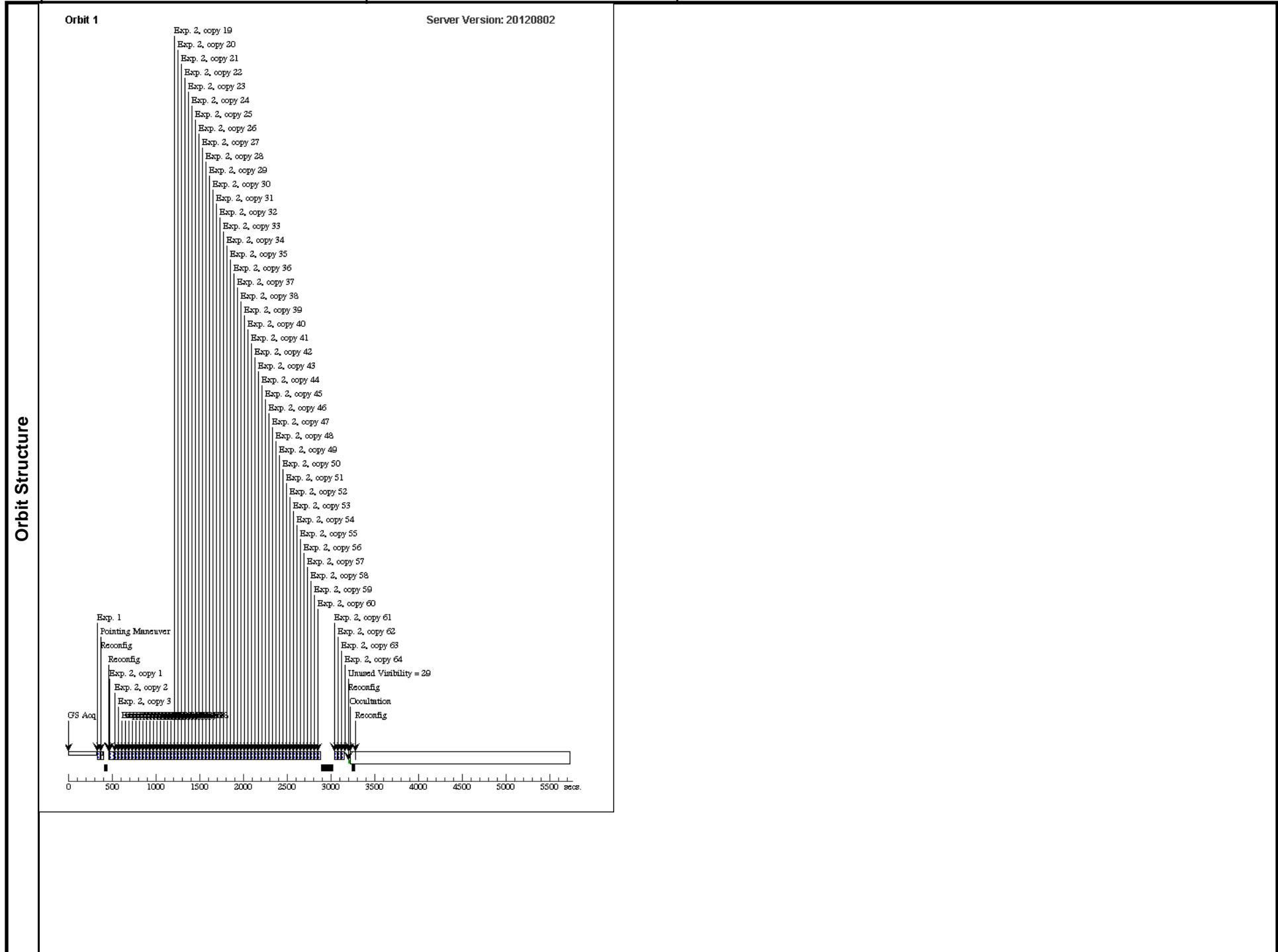
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Proposal 12181 - Visit 24 - The Atmospheric Structure of Giant Hot Exoplanets

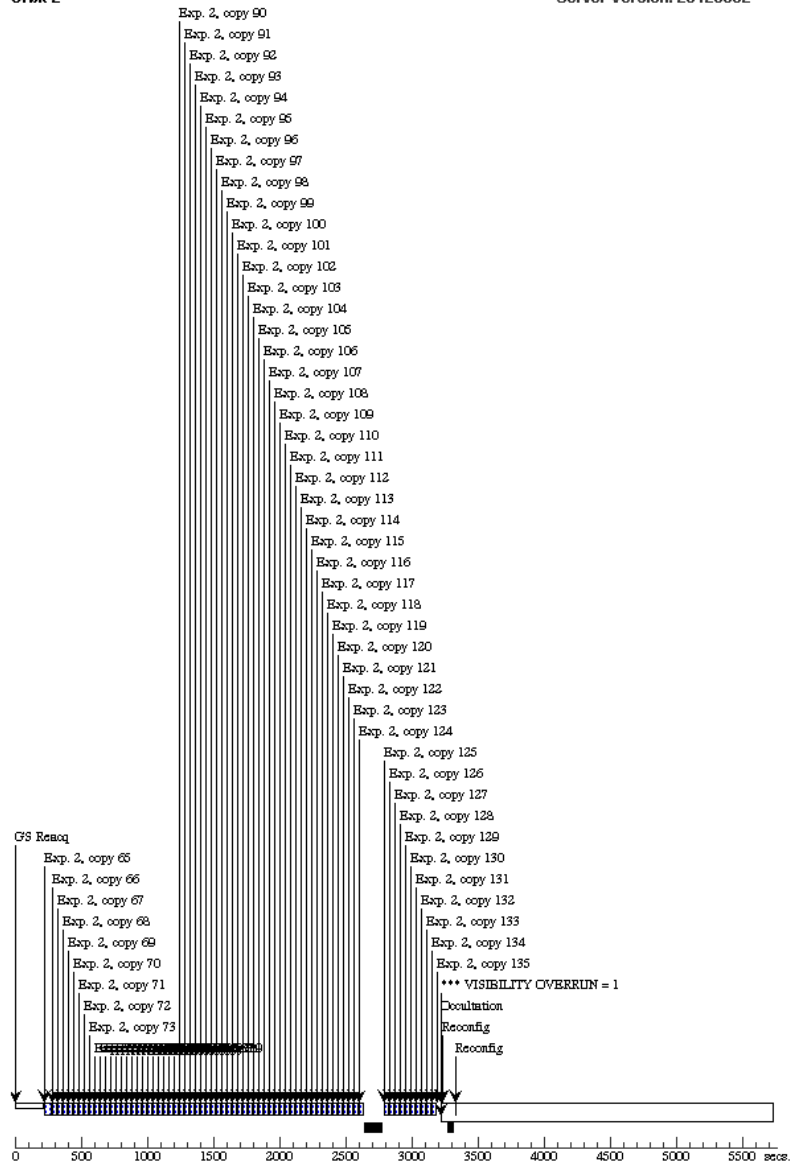
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Proposal 12181 - Visit 24 - The Atmospheric Structure of Giant Hot Exoplanets

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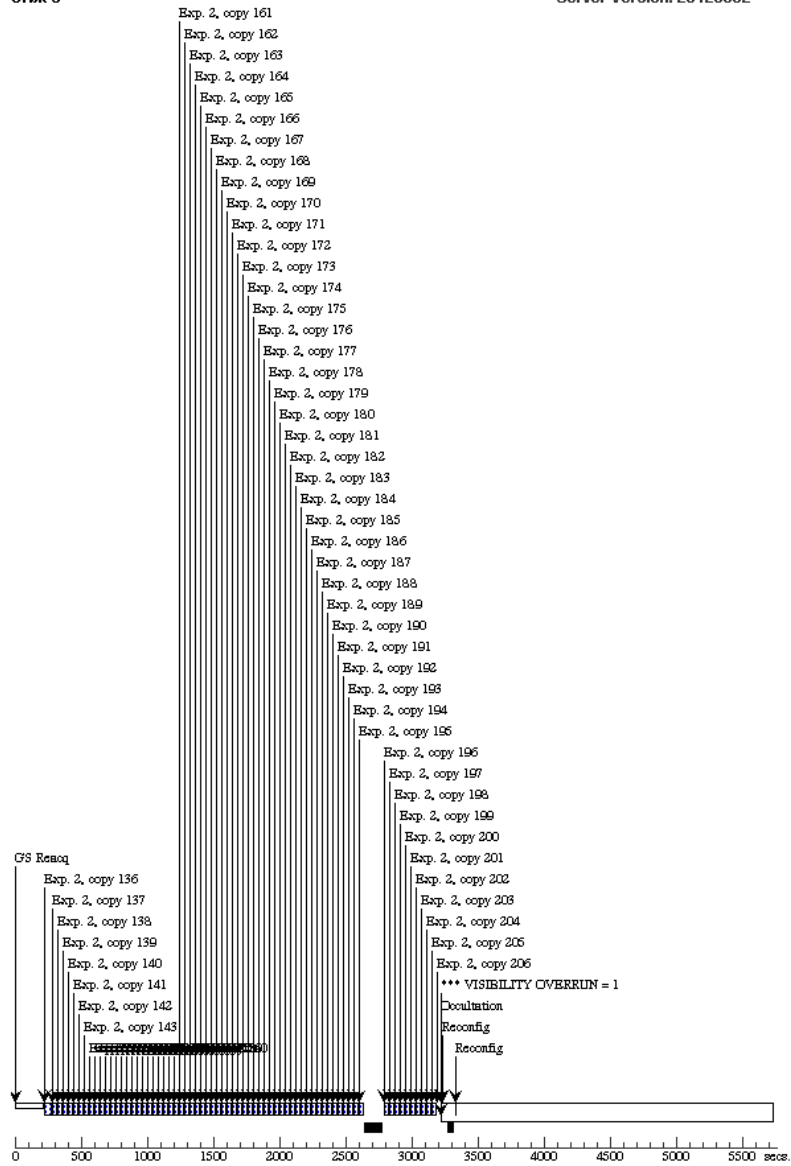
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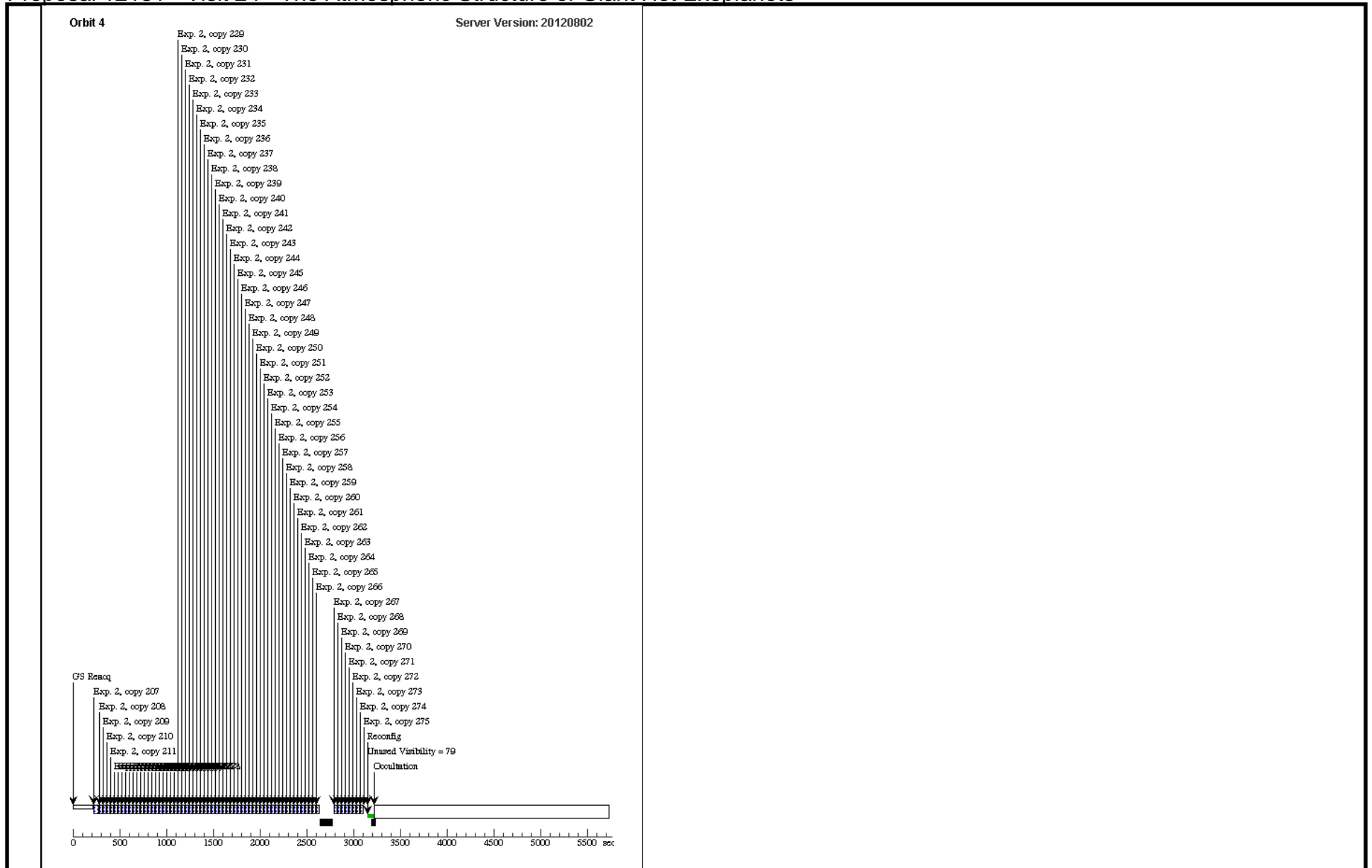
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Proposal 12181 - Visit 24 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets

Visit	<p>Proposal 12181, Visit 25, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 1.33823214 D AND ZERO-PHASE HJD2454697.797562</p> <p><i>Comments: eclipse of WASP-4</i></p>	Tue Sep 11 07:34:11 GMT 2012
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Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets

(Visit 25) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE

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(Visit 25) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.

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Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	WASP-4	RA: 23 34 15.0600 (353.5627500d) Dec: -42 03 41.10 (-42.06142d) Equinox: J2000	Proper Motion RA: 0.0 mas/yr Proper Motion Dec: 0.0 mas/yr Parallax: 0.0" Epoch of Position: 2000.0	V=12.6	Reference Frame: ICRS

Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(12) WASP-4	(12) WASP-4	WFC3/IR, MULTIACCUM, IRSUB512	F139M	SAMP-SEQ=RAPID ; NSAMP=9	POS TARG -15.173, 1.158; PHASE 0.356 TO 0. 367		[==>]	[1]

Exposures

Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets

2	(12) WASP-4	WFC3/IR, MULTIACCUM, IRSUB128	G141	SAMP-SEQ=SPARS 10; NSAMP=6	POS TARG -15.173, 1.158		
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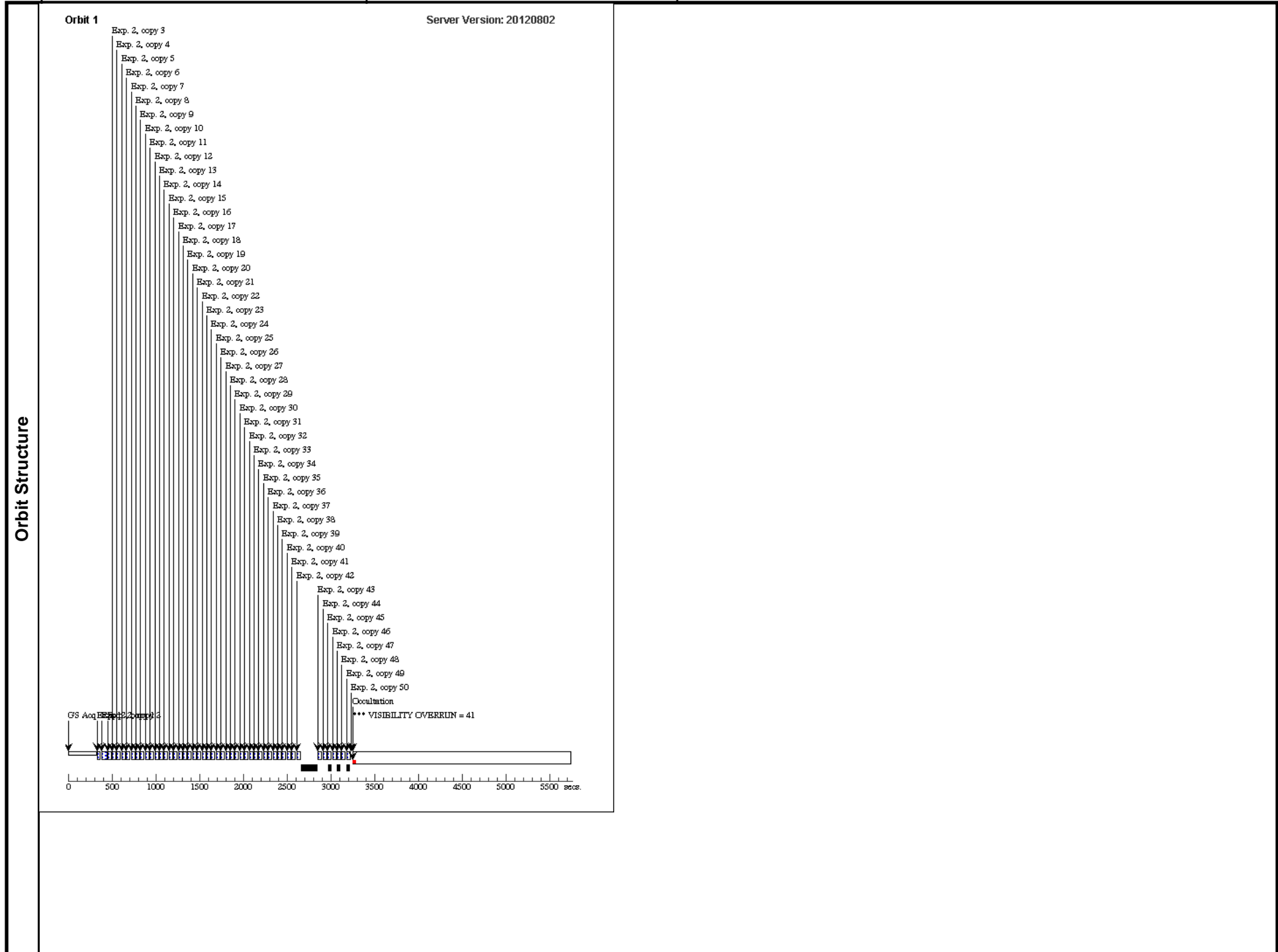
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Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets

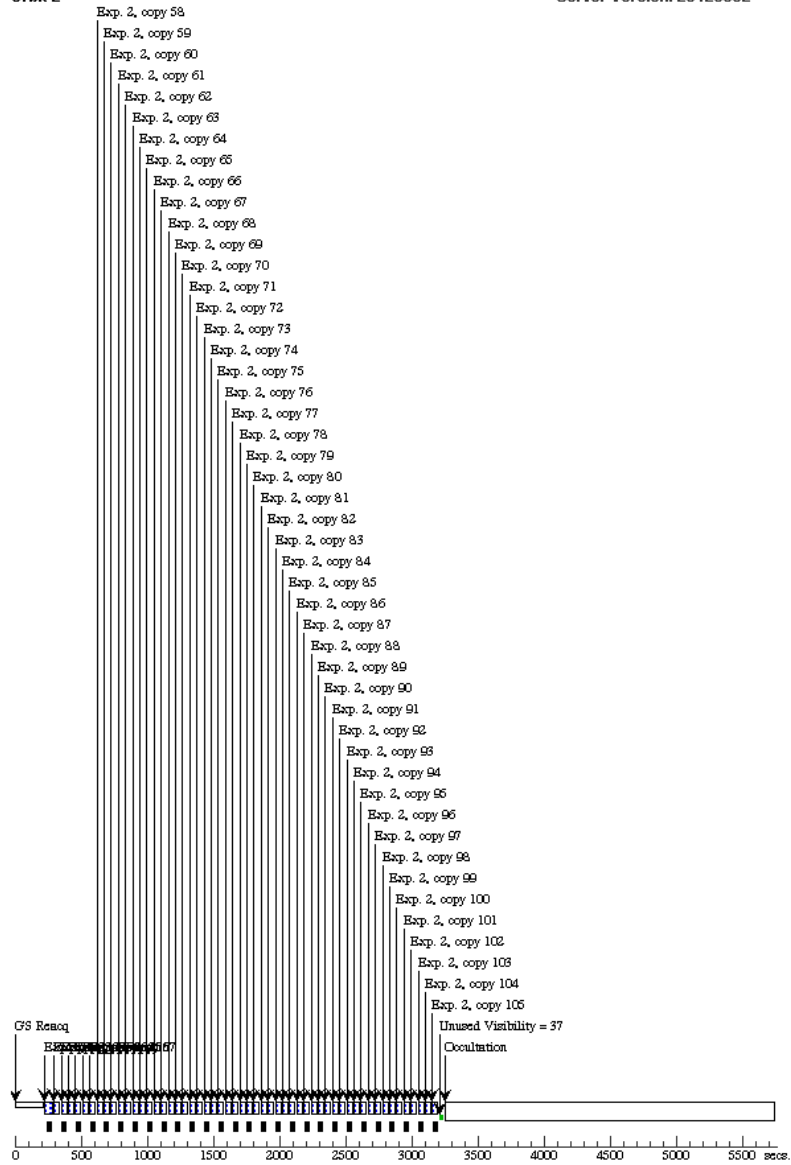
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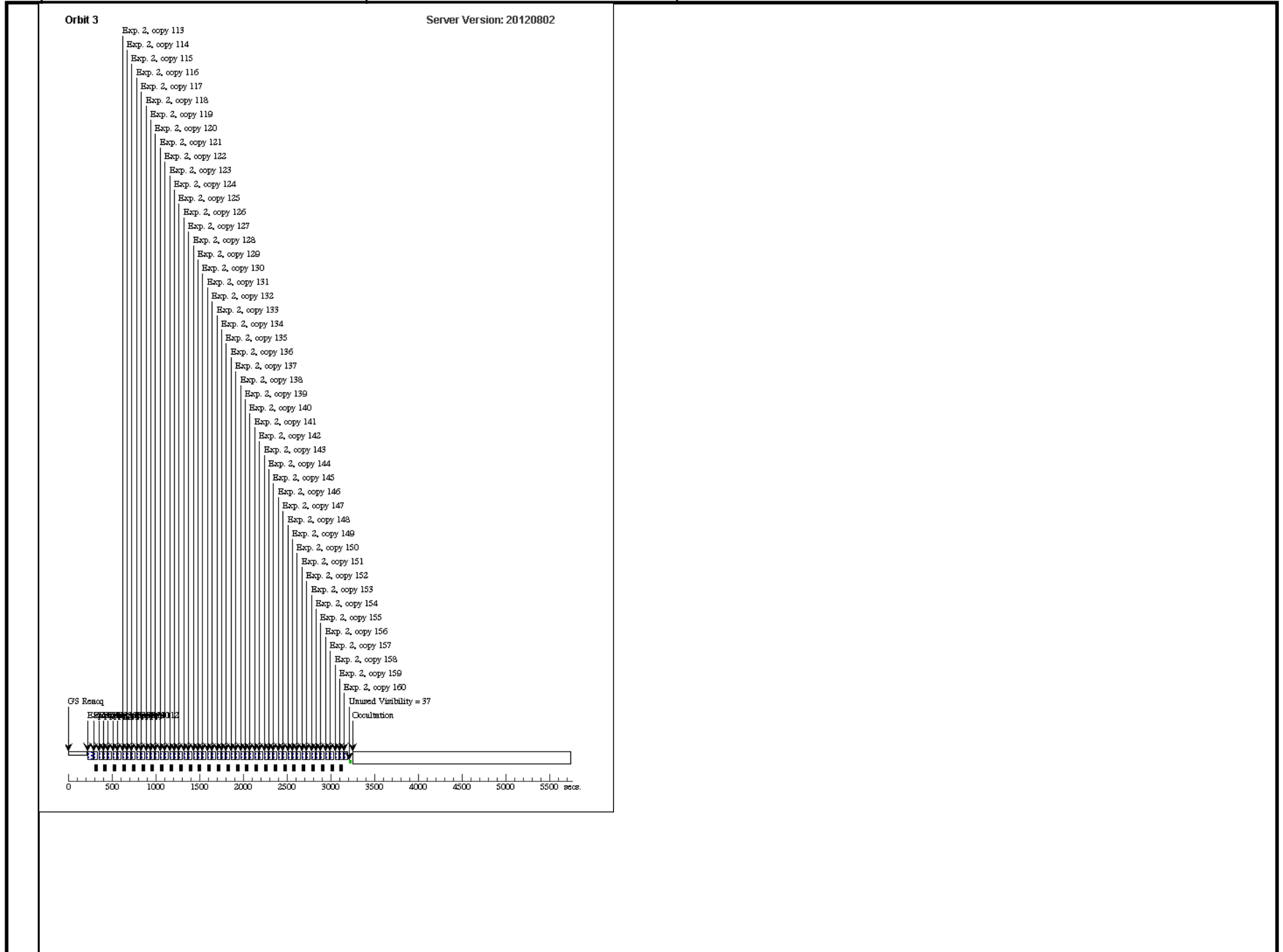
Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets

Orbit 2

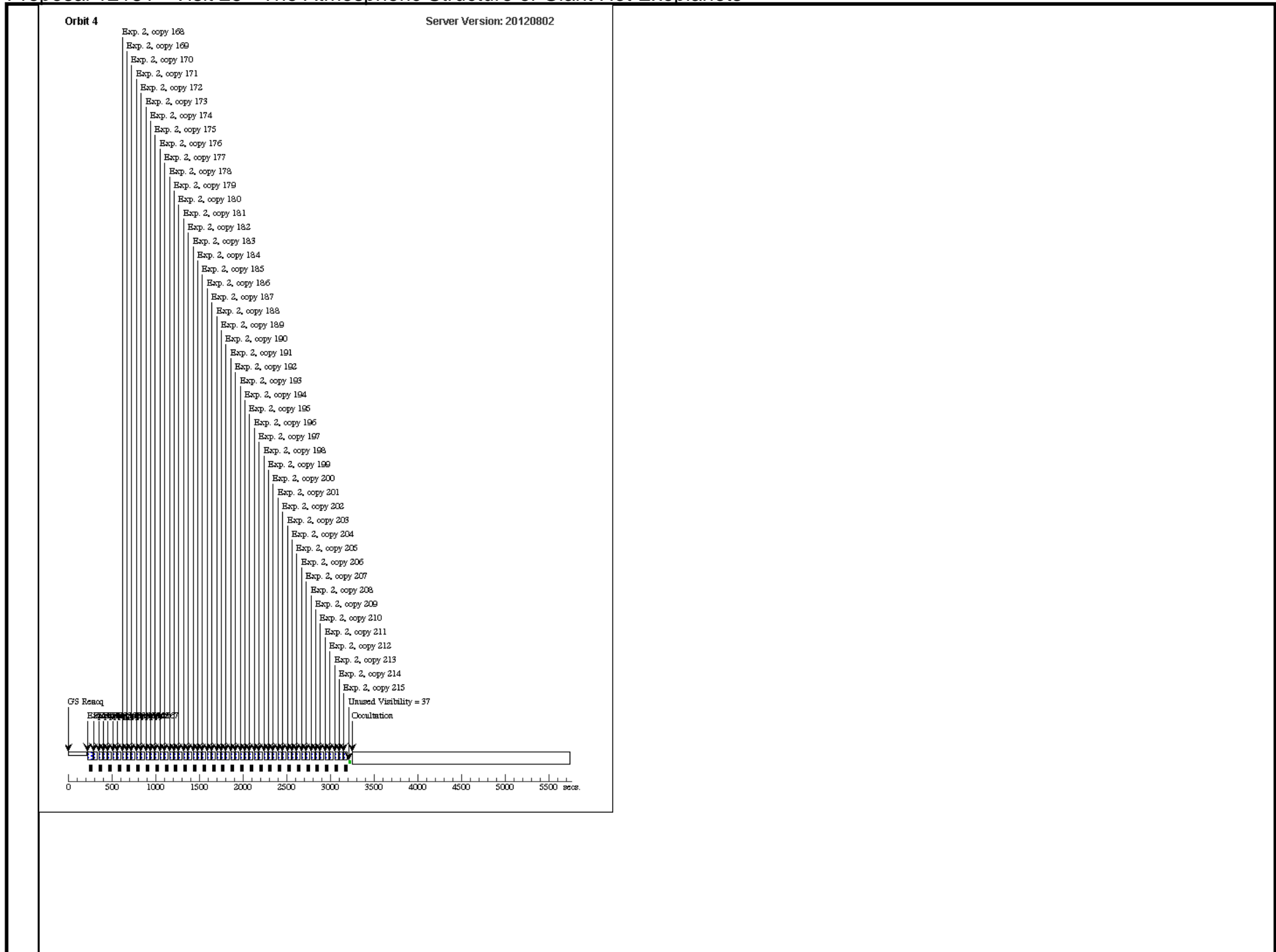
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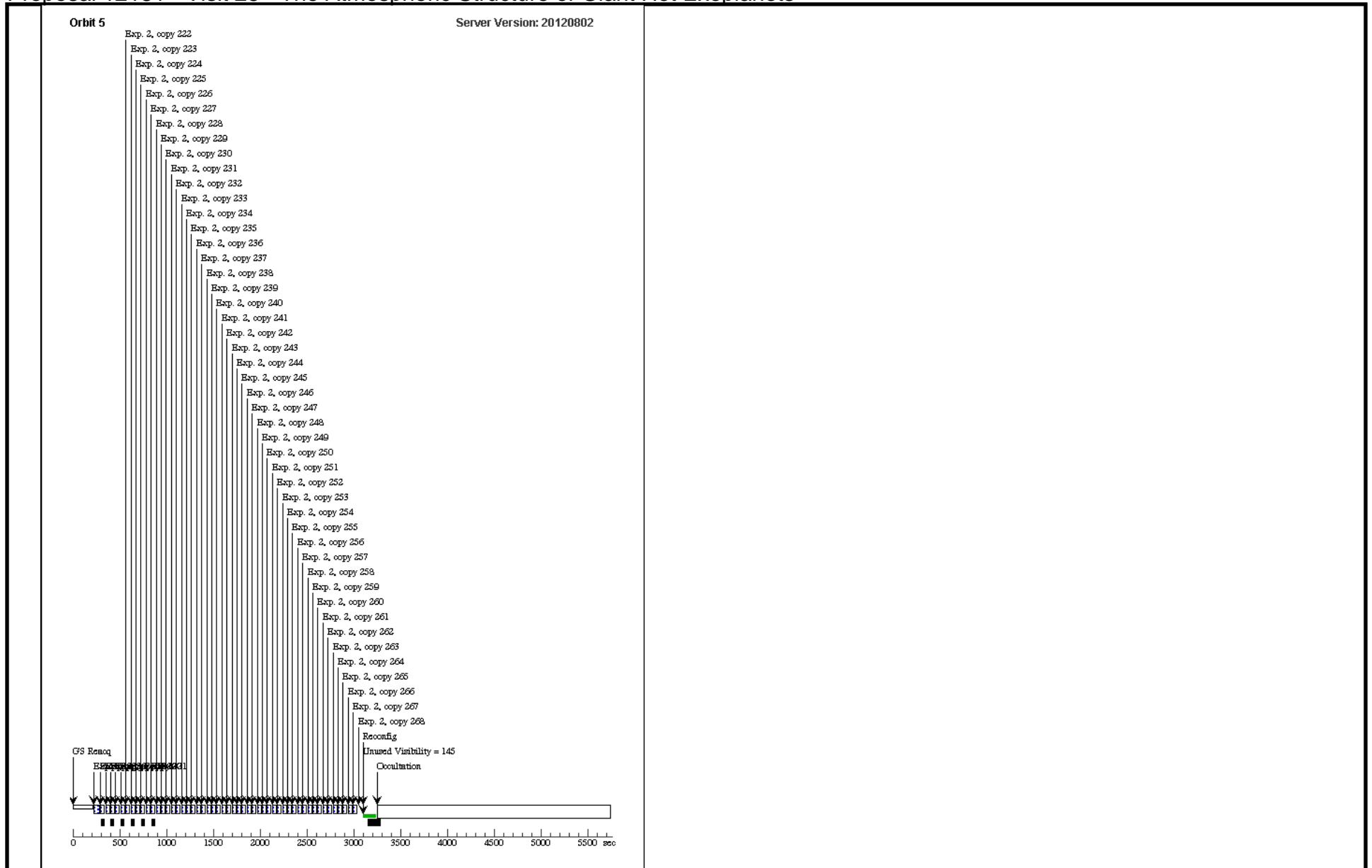
Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 25 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 26 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:36:25 GMT 2012

Visit	<p>Proposal 12181, Visit 26, scheduling</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: PCS MODE FINE; SCHED 50%; Period 3.52474859 D AND ZERO-PHASE HJD2452826.628521</p> <p><i>Comments: transit of HD209458</i></p>					
Diagnostics	(Visit 26) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(17)	HD209458	RA: 22 03 10.7800 (330.7949167d) Dec: +18 53 3.70 (18.88436d) Equinox: J2000	Proper Motion RA: 28.9 mas/yr Proper Motion Dec: -14.8 mas/yr Parallax: 0.020" Epoch of Position: 2000.0	V=7.65	Reference Frame: ICRS

Proposal 12181 - Visit 26 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(17) HD209458	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG 0.0,0.0; PHASE 0.941 TO 0. 948		[==>]	[1]

Exposures

Proposal 12181 - Visit 26 - The Atmospheric Structure of Giant Hot Exoplanets

2	(17) HD209458	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.0,-12.0; SPATIAL SCAN 0.9 ,90.0 Degrees,Forward	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p> <p>[==>(Copy 24)]</p> <p>[==>(Copy 25)]</p>	[1]
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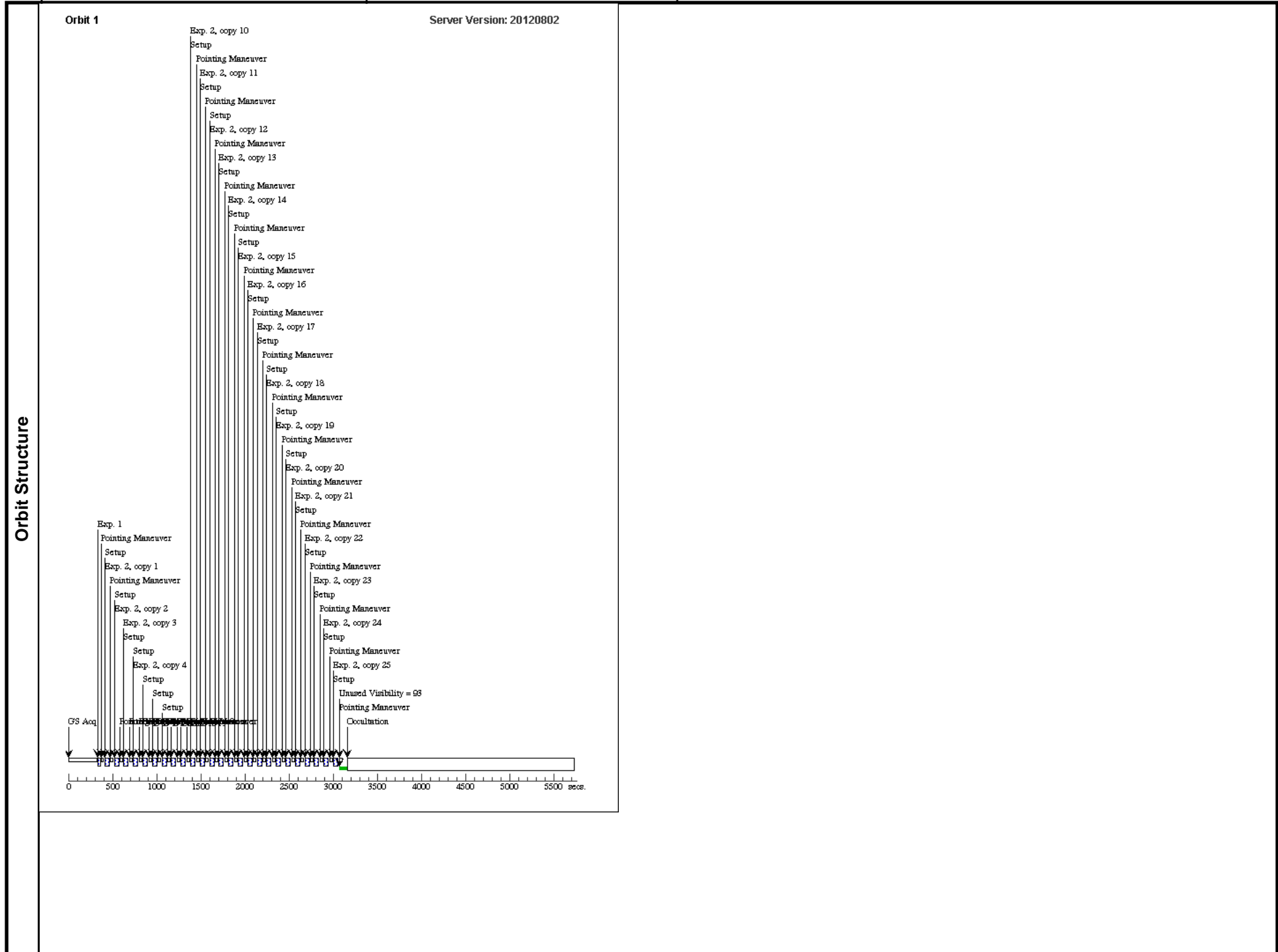
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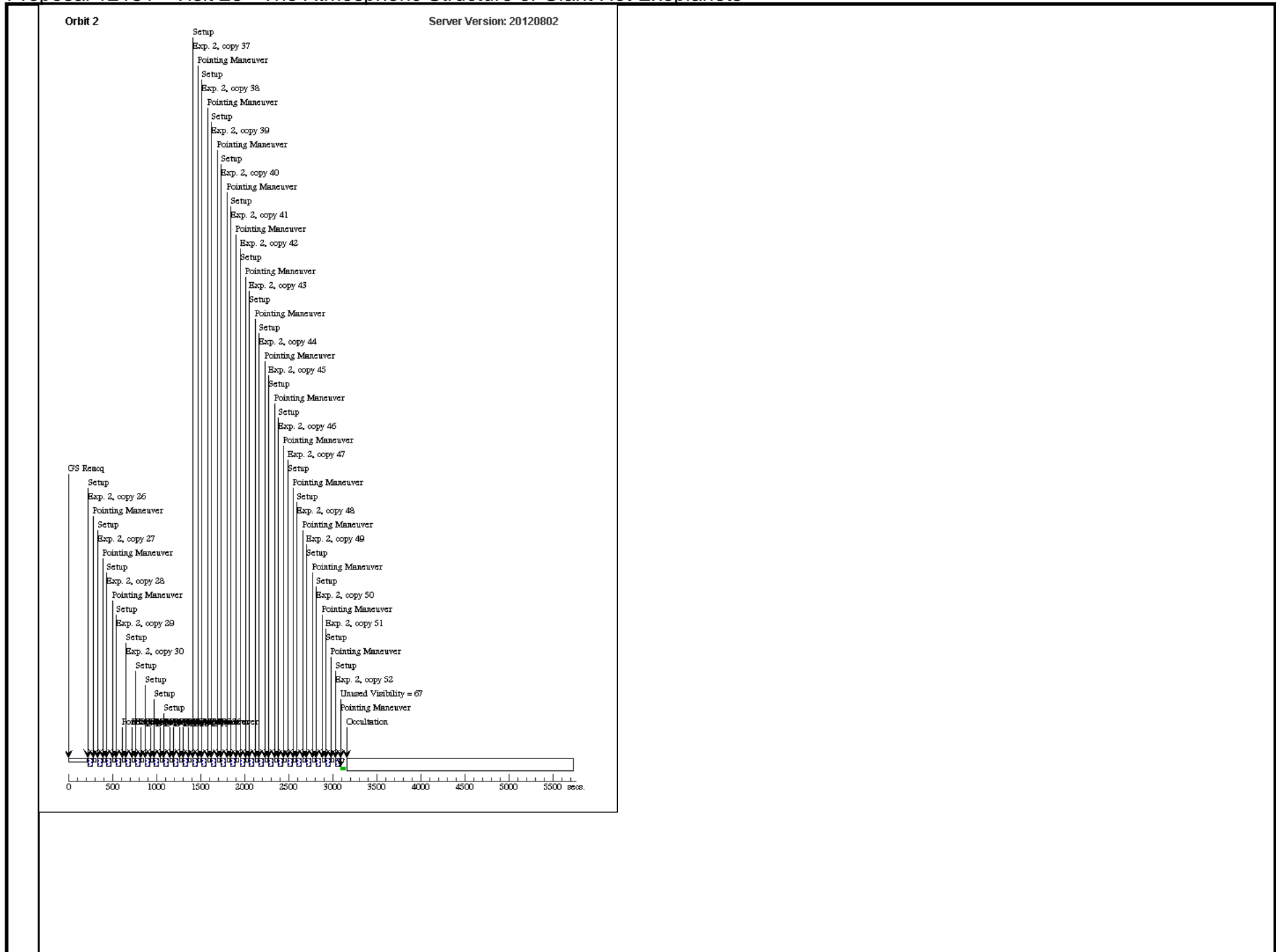
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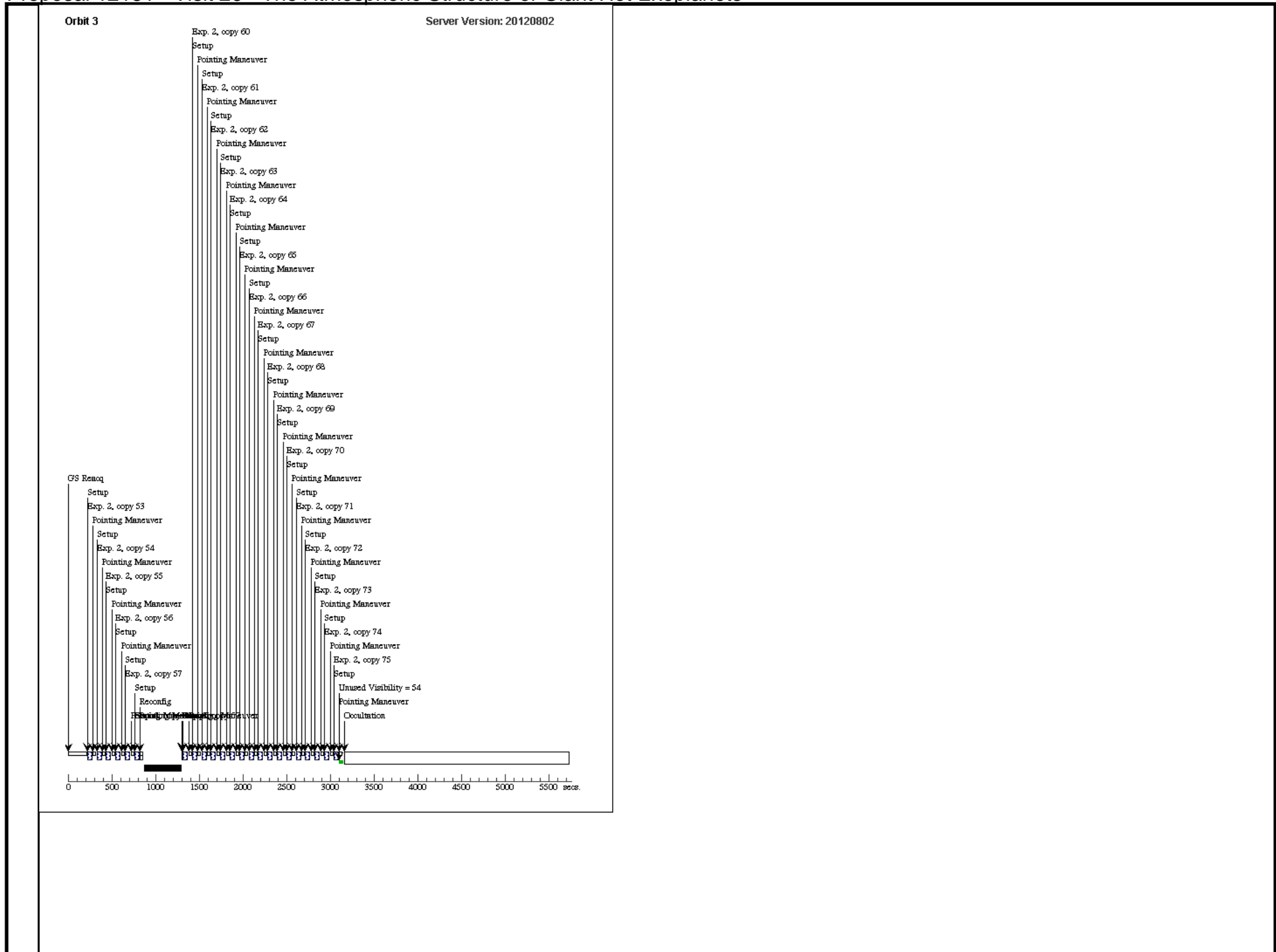
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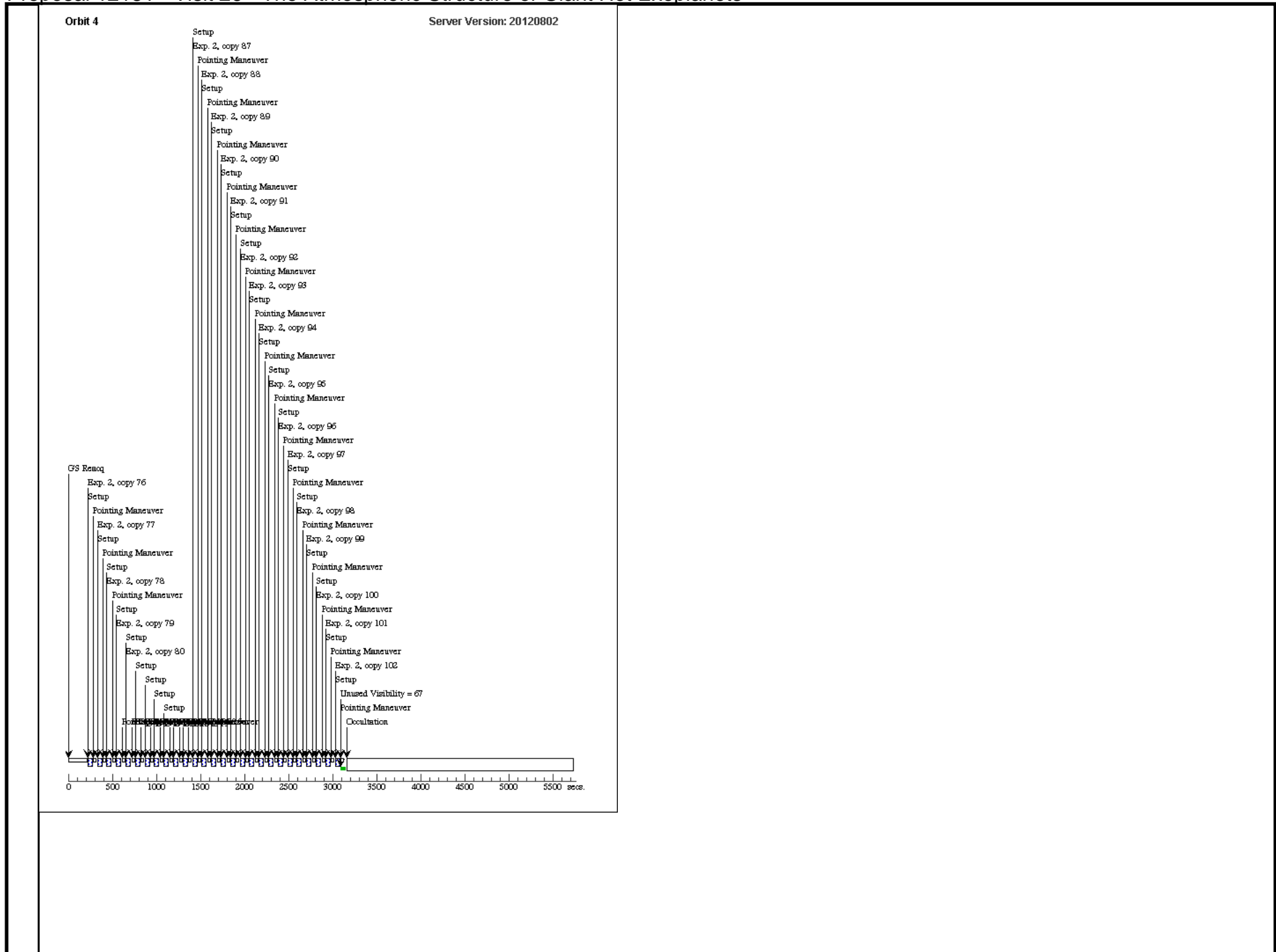
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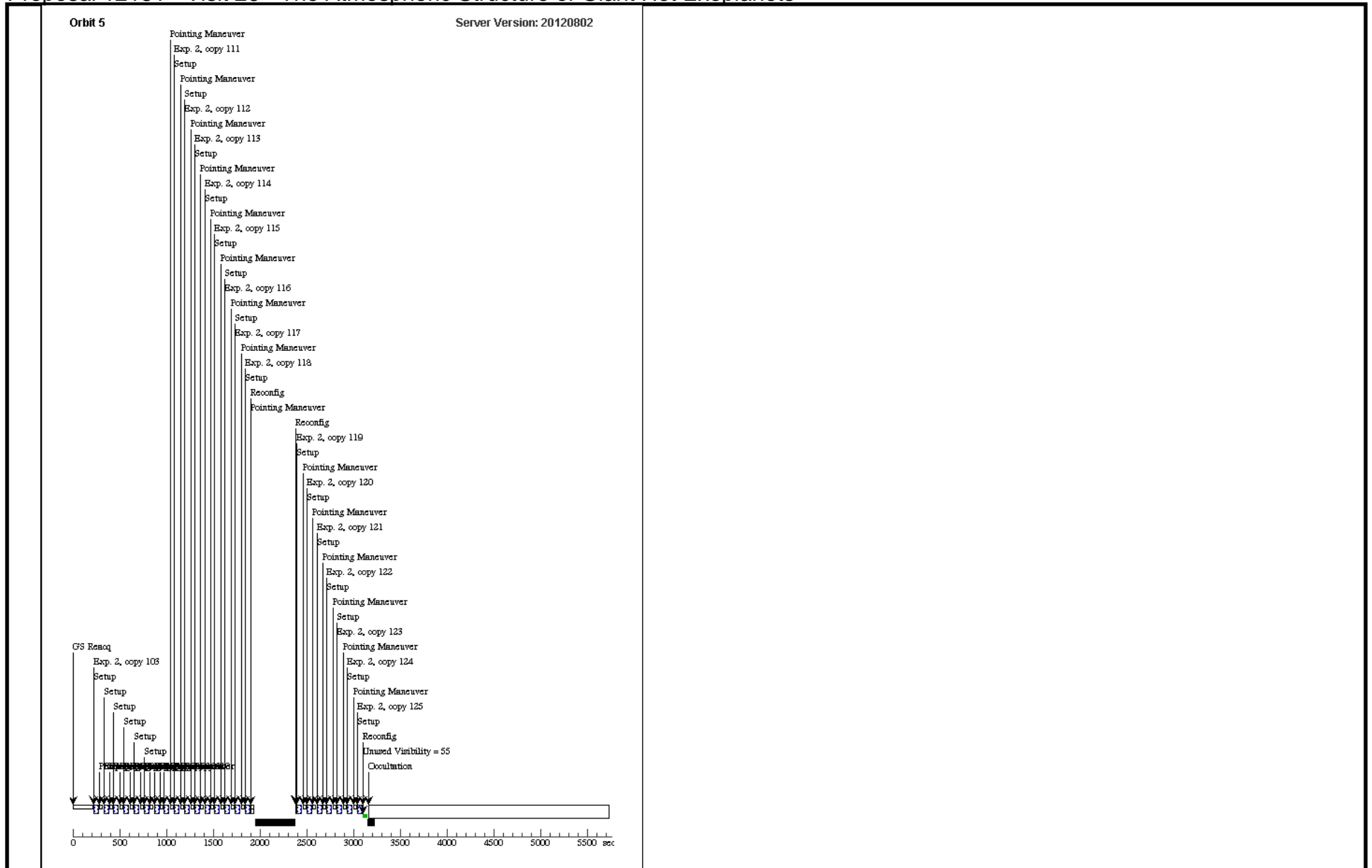
Proposal 12181 - Visit 26 - The Atmospheric Structure of Giant Hot Exoplanets







Proposal 12181 - Visit 26 - The Atmospheric Structure of Giant Hot Exoplanets



Proposal 12181 - Visit 27 - The Atmospheric Structure of Giant Hot Exoplanets

Tue Sep 11 07:36:39 GMT 2012

Visit	<p>Proposal 12181, Visit 27, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: SCHED 50%; Period 2.21857567 D AND ZERO-PHASE HJD2454279.436729</p> <p><i>Comments: transit of HD189733</i></p>					
Diagnostics	(Visit 27) Warning (Form): The proposal is part of a large program (100 orbits or more in one cycle) and so should use Schedulability 100.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(18)	HD189733	RA: 20 00 43.7100 (300.1821250d) Dec: +22 42 39.10 (22.71086d) Equinox: J2000	Proper Motion RA: -2.49 mas/yr Proper Motion Dec: -250.81 mas/yr Parallax: 0.052" Epoch of Position: 2000.0	V=7.68	Reference Frame: ICRS

Proposal 12181 - Visit 27 - The Atmospheric Structure of Giant Hot Exoplanets

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(18) HD189733	WFC3/IR, MULTIACCUM, IRSUB256	F139M	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0.0,0.0; PHASE 0.922 TO 0. 932		[==>]	[1]

Exposures

Proposal 12181 - Visit 27 - The Atmospheric Structure of Giant Hot Exoplanets

2	(18) HD189733	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -2.303,- 5.130; SPATIAL SCAN 0.9 9,90.0 Degrees,Forw ard	<p>[==>(Copy 1)]</p> <p>[==>(Copy 2)]</p> <p>[==>(Copy 3)]</p> <p>[==>(Copy 4)]</p> <p>[==>(Copy 5)]</p> <p>[==>(Copy 6)]</p> <p>[==>(Copy 7)]</p> <p>[==>(Copy 8)]</p> <p>[==>(Copy 9)]</p> <p>[==>(Copy 10)]</p> <p>[==>(Copy 11)]</p> <p>[==>(Copy 12)]</p> <p>[==>(Copy 13)]</p> <p>[==>(Copy 14)]</p> <p>[==>(Copy 15)]</p> <p>[==>(Copy 16)]</p> <p>[==>(Copy 17)]</p> <p>[==>(Copy 18)]</p> <p>[==>(Copy 19)]</p> <p>[==>(Copy 20)]</p> <p>[==>(Copy 21)]</p> <p>[==>(Copy 22)]</p> <p>[==>(Copy 23)]</p> <p>[==>(Copy 24)]</p> <p>[==>(Copy 25)]</p> <p>[==>(Copy 26)]</p> <p>[==>(Copy 27)]</p>	[1]
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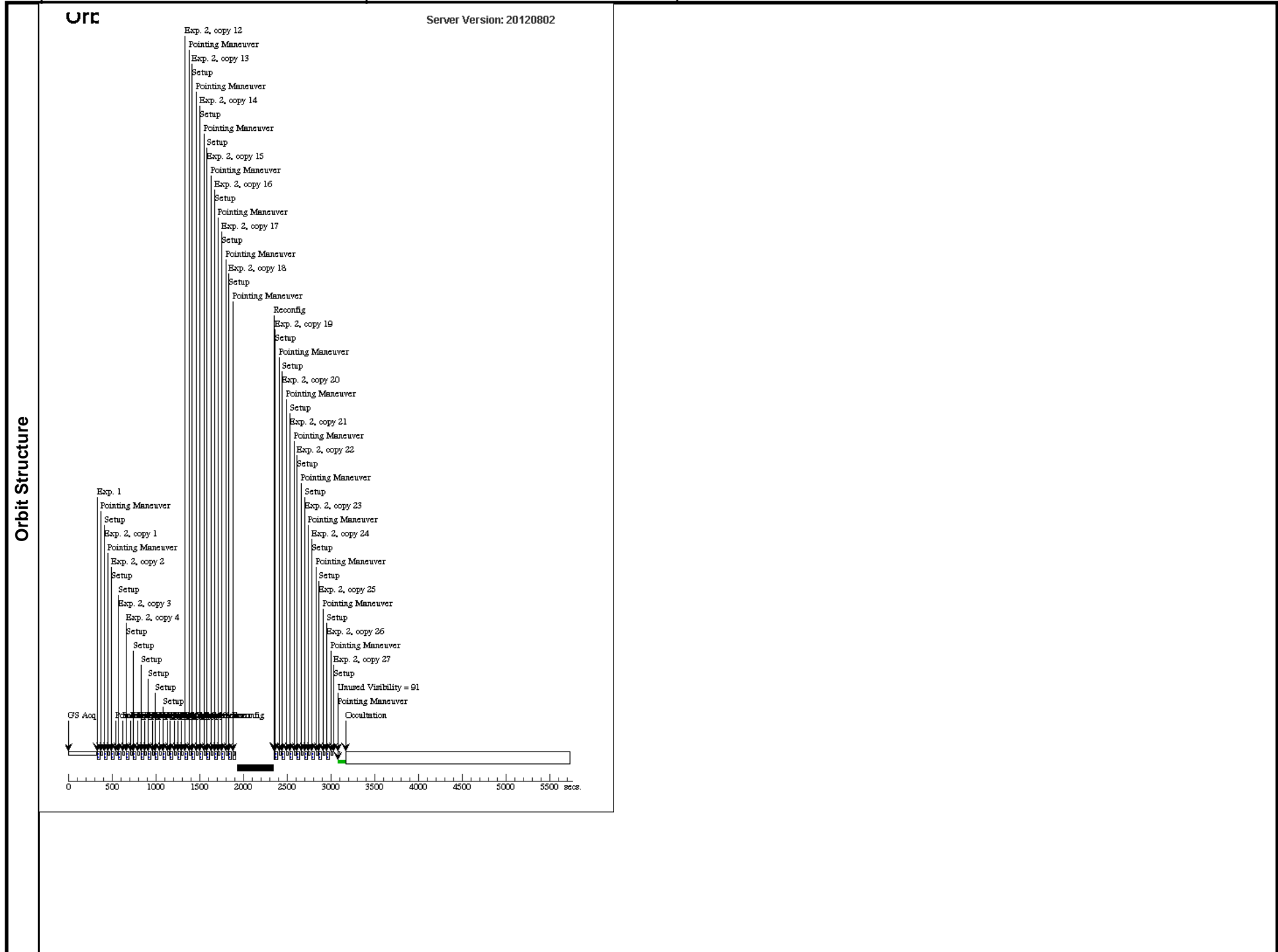
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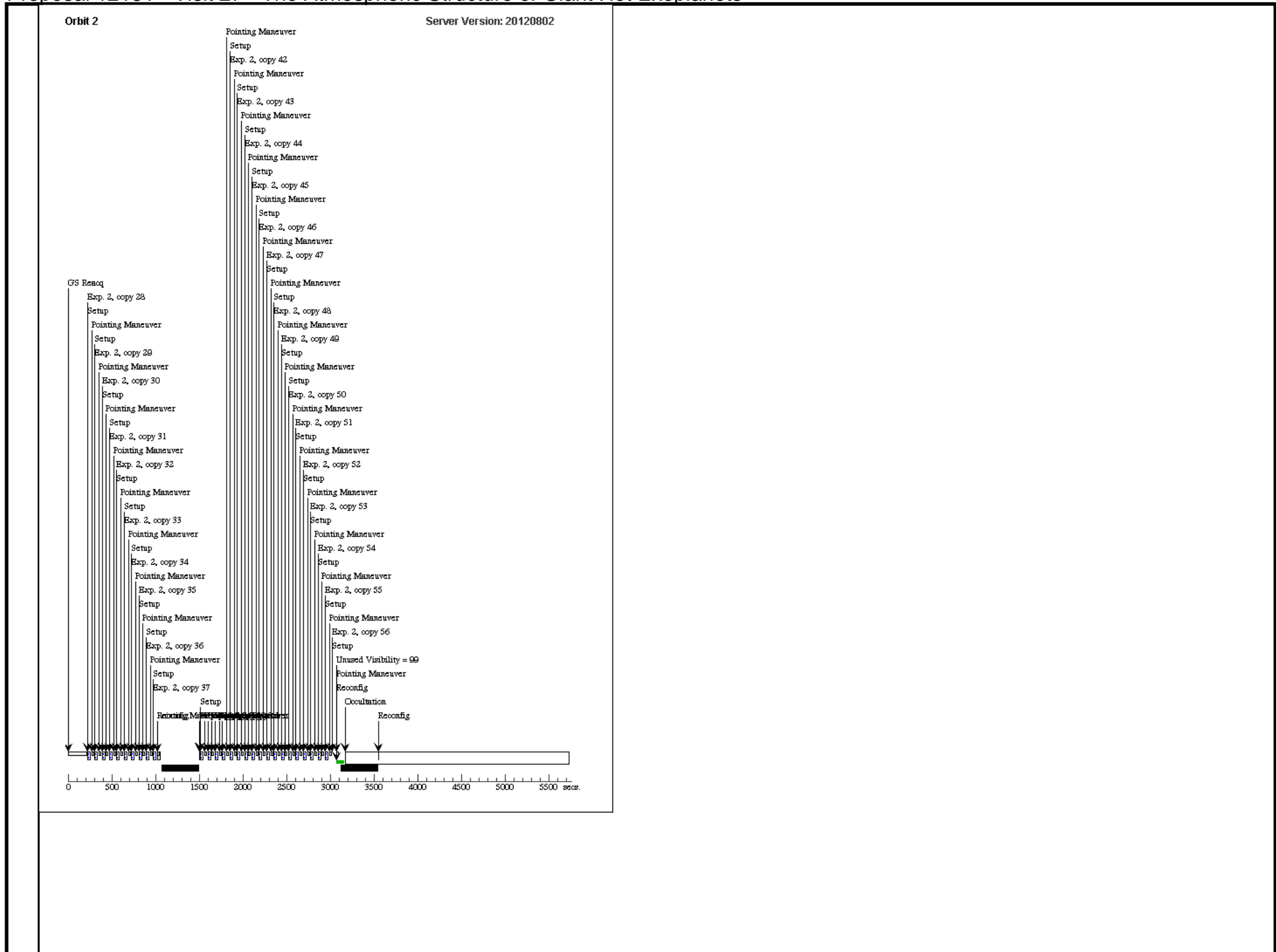
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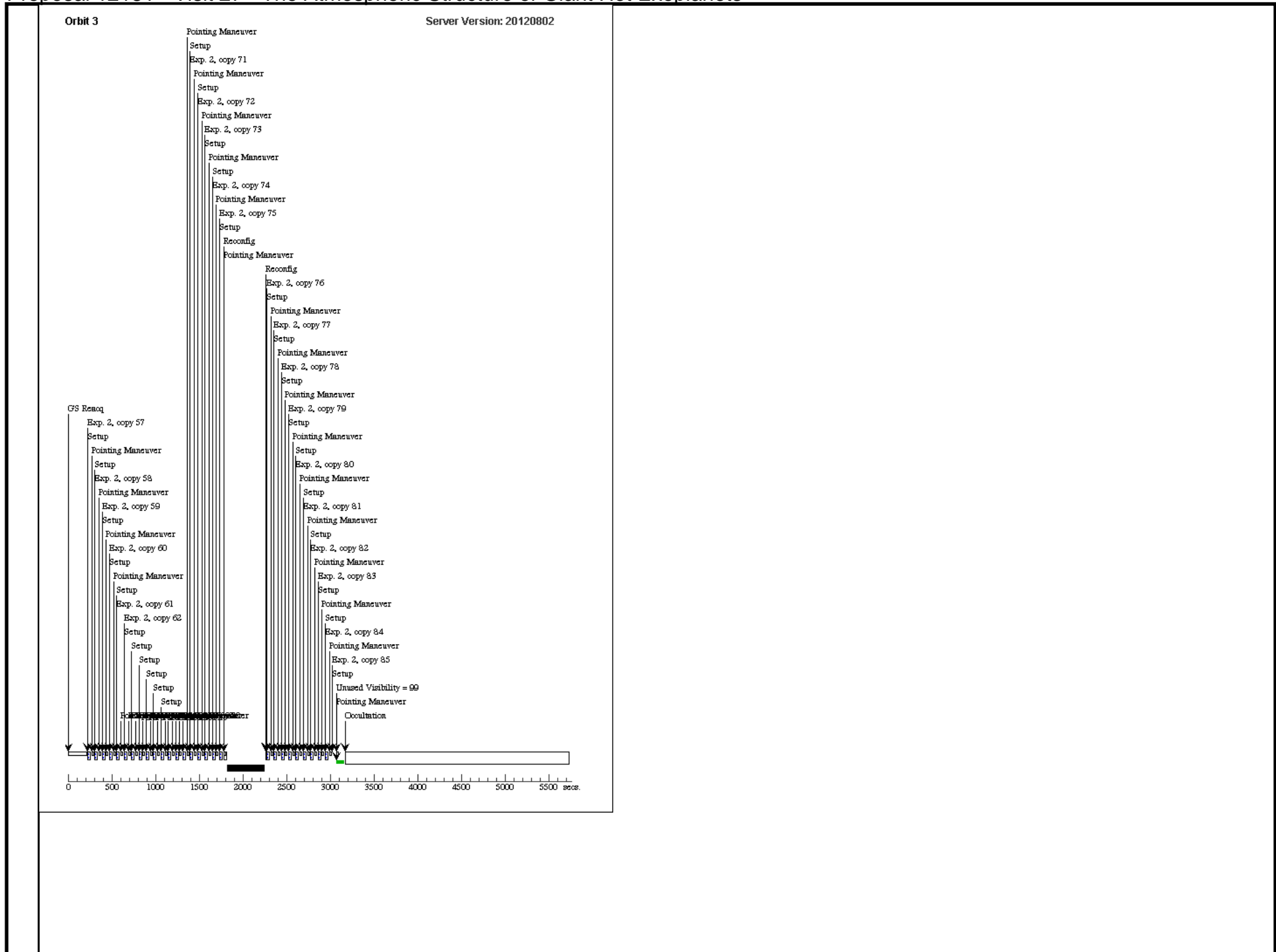
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Proposal 12181 - Visit 27 - The Atmospheric Structure of Giant Hot Exoplanets

3	(18) HD189733	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -2.303,- 5.130; SPATIAL SCAN 0.9 9,90.0 Degrees,Forward; NEW OBSSET	[==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)] [==>(Copy 13)] [==>(Copy 14)] [==>(Copy 15)] [==>(Copy 16)] [==>(Copy 17)]	[4]
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Proposal 12181 - Visit 27 - The Atmospheric Structure of Giant Hot Exoplanets

