



11706 - The Parallax of the Planet Host Star XO-3

Cycle: 17, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) XO-3 (3) XO-REF-34 (4) XO-REF-83 (6) XO-REF-291 (7) XO-REF-243 (8) XO-REF-1478	FGS	1	20-Jul-2009 21:02:35.0	yes

Proposal 11706 (STScI Edit Number: 8, Created: Monday, July 20, 2009 8:03:26 PM 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>
02	(1) XO-3 (2) XO-REF-49 (3) XO-REF-34 (4) XO-REF-83 (5) XO-REF-99 (6) XO-REF-291 (7) XO-REF-243 (8) XO-REF-1478	FGS	1	20-Jul-2009 21:02:47.0	yes
03	(1) XO-3 (2) XO-REF-49 (3) XO-REF-34 (4) XO-REF-83 (5) XO-REF-99 (6) XO-REF-291 (8) XO-REF-1478	FGS	1	20-Jul-2009 21:02:56.0	yes
04	(1) XO-3 (2) XO-REF-49 (3) XO-REF-34 (4) XO-REF-83 (5) XO-REF-99 (6) XO-REF-291 (7) XO-REF-243 (8) XO-REF-1478	FGS	1	20-Jul-2009 21:03:07.0	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>
05	(1) XO-3 (2) XO-REF-49 (3) XO-REF-34 (4) XO-REF-83 (5) XO-REF-99 (6) XO-REF-291 (7) XO-REF-243 (8) XO-REF-1478	FGS	1	20-Jul-2009 21:03:14.0	yes
06	(1) XO-3 (2) XO-REF-49 (3) XO-REF-34 (6) XO-REF-291 (7) XO-REF-243 (8) XO-REF-1478	FGS	1	20-Jul-2009 21:03:22.0	yes

6 Total Orbits Used

ABSTRACT

We will use HST+FGS to measure the parallax of the transiting planet host star XO-3. The resulting accurate distance measurement will provide the most accurate radius determination to date for this massive extrasolar planet (XO-3b), allowing us to critically test current giant extrasolar planet structure models. These observations will also constrain the amount of heating that may be produced inside XO-3b by tides raised on the planet as it moves through its 3.2 d eccentric ($e \sim 0.22$) orbit.

OBSERVING DESCRIPTION

For this proposed study we will obtain 11 orbits of astrometric data with FGS 1r for XO-3 and associated reference stars, spread over 2 years. The pattern will be two orbits near the four maximum parallax factors, and one orbit at each of the first, second, and third intervening minimum parallax

factors. The two orbits at each maximum parallax factor phase will bracket the epoch of maximum parallax factor and be spread out over 15 days. Each orbit will include 3-4 measures of the primary target and several measures of each reference star, completely filling the 40-50 minute visibility period. This approach will guarantee a parallax precision of ~ 0.2 mas. Each visit will include multiple POS mode (fringe tracking) observations of XO-3 and ~ 5 astrometric reference stars.

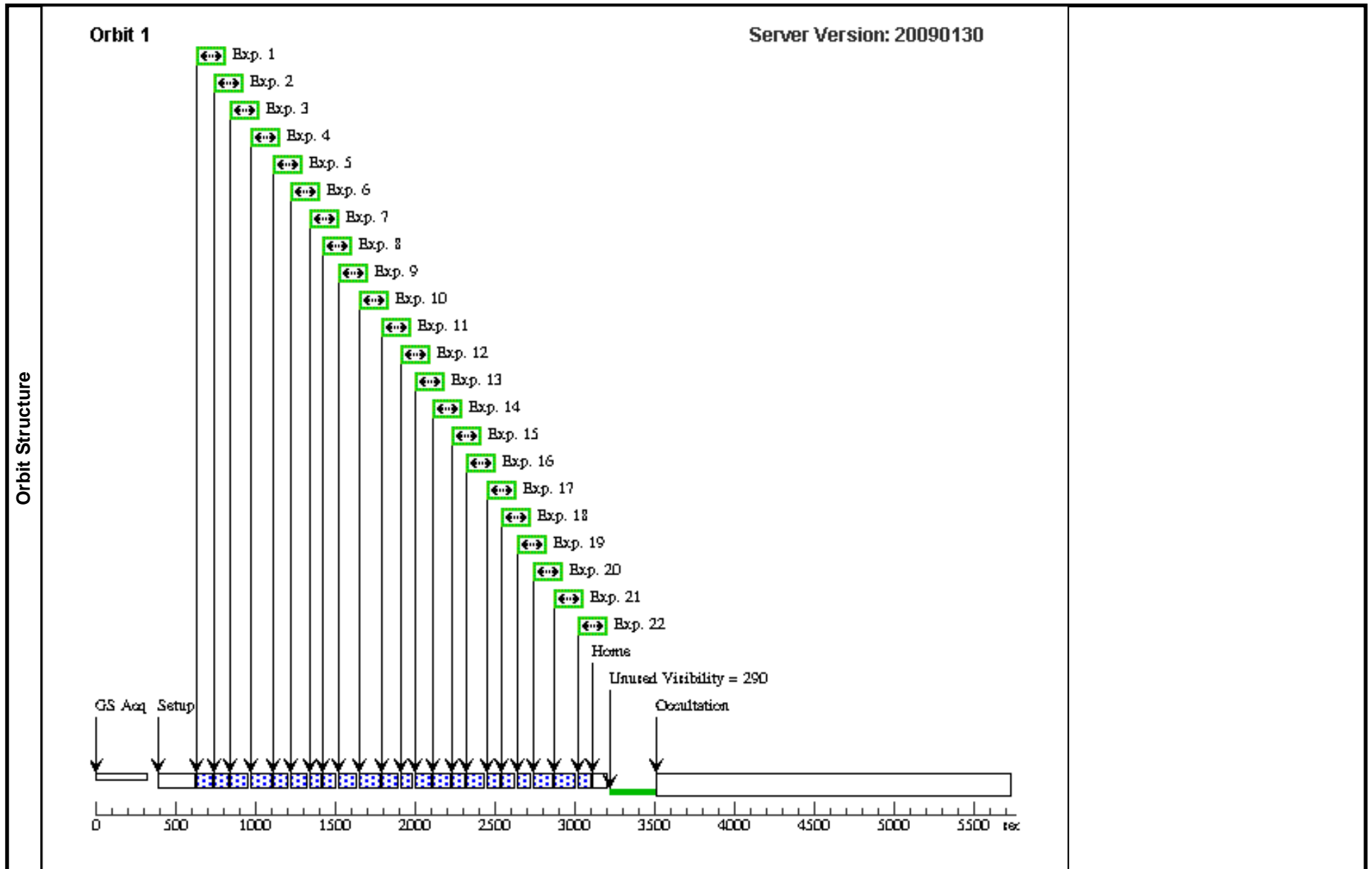
Proposal 11706 - Visit 01 - The Parallax of the Planet Host Star XO-3

Tue Jul 21 01:03:26 GMT 2009

Visit	Proposal 11706, Visit 01, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: ORIENT 112D TO 112 D; BETWEEN 31-DEC-2009:00:00:00 AND 02-JAN-2010:00:00:00 Comments: XO-3 intermediate parallax									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(1)	XO-3 Alt Name1: GSC-03727-01064	RA: 04 21 52.7050 (65.4696042d) Dec: +57 49 1.89 (57.81719d) Equinox: J2000		V=9.80+/-0.04	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
	(3)	XO-REF-34	RA: 04 21 35.6640 (65.3986000d) Dec: +57 50 1.36 (57.83371d) Equinox: J2000		V=12.6+/-0.2	Reference Frame: ICRS				
	(4)	XO-REF-83	RA: 04 21 16.7020 (65.3195917d) Dec: +57 47 13.56 (57.78710d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS				
	(6)	XO-REF-291	RA: 04 21 23.5440 (65.3481000d) Dec: +57 47 0.02 (57.78334d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(7)	XO-REF-243	RA: 04 22 17.9300 (65.5747083d) Dec: +57 48 4.32 (57.80120d) Equinox: J2000		V=13.3+/-0.2	Reference Frame: ICRS				
	(8)	XO-REF-1478	RA: 04 21 36.6100 (65.4025417d) Dec: +57 49 20.00 (57.82222d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]
1		XO-3	(1) XO-3	FGS, POS, 1	F583W		POS TARG 87.7,54.3; GS ACQ SCENARIO BASE1B3	Sequence 1-22 Non-Int	10 Secs [==>14.0 Secs]	[1]
2		ref-34	(3) XO-REF-34	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
3		ref-243	(7) XO-REF-243	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>]	[1]
4		ref-291	(6) XO-REF-291	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>]	[1]
5		ref-83	(4) XO-REF-83	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]

Proposal 11706 - Visit 01 - The Parallax of the Planet Host Star XO-3

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	6	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>]	[1]
	7	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10 Secs [==>14.0 Secs]	[1]
	8	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	9	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	10	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10 Secs [==>14.0 Secs]	[1]
	13	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>]	[1]
	14	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	15	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>]	[1]
	16	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	17	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10 Secs [==>14.0 Secs]	[1]
	18	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	19	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	20	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	21	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [==>34.0 Secs]	[1]
	22	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10 Secs [==>14.0 Secs]	[1]



Proposal 11706 - Visit 02 - The Parallax of the Planet Host Star XO-3

Tue Jul 21 01:03:29 GMT 2009

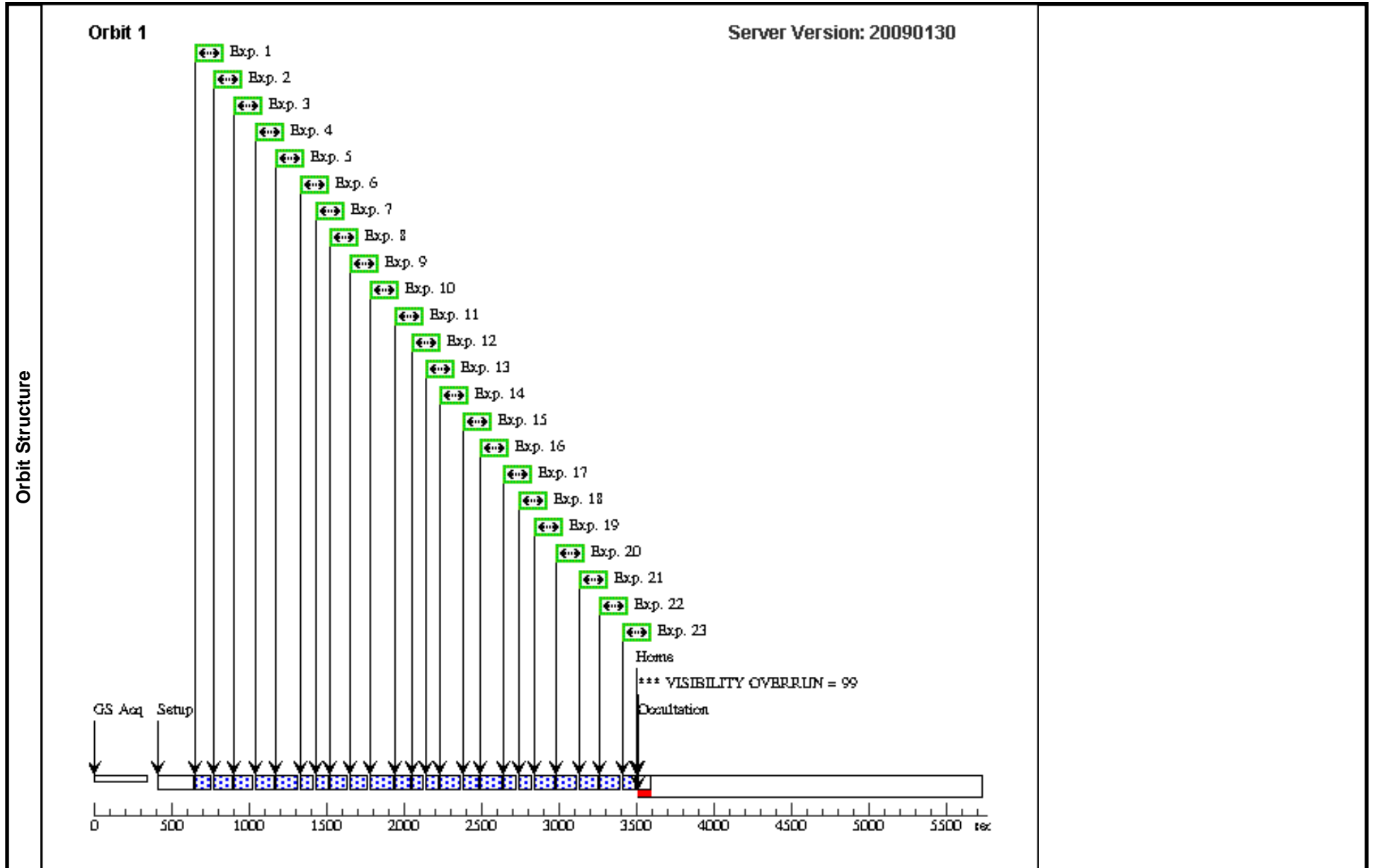
Visit	Proposal 11706, Visit 02, completed Diagnostic Status: Warning Scientific Instruments: FGS Special Requirements: GYRO MODE 2G; ORIENT 74.5D TO 76.5 D; BETWEEN 11-FEB-2009:00:00:00 AND 14-FEB-2009:00:00:00 <i>Comments: XO-3 at max parallax</i>																																																																																																																																																												
	Diagnostics (Visit 02) Warning (Form): Gyro Mode overrides default value of 3GOBAD. (Visit 02) Warning (Orbit Planner): VISIBILITY OVERRUN																																																																																																																																																												
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>XO-3</td> <td>RA: 04 21 52.7050 (65.4696042d)</td> <td></td> <td>V=9.80+/-0.04</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: GSC-03727-01064</td> <td>Dec: +57 49 1.89 (57.81719d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6"><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></td> </tr> <tr> <td>(2)</td> <td>XO-REF-49</td> <td>RA: 04 22 34.1180 (65.6421583d)</td> <td></td> <td>V=14.0+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td></td> <td>Dec: +57 49 25.25 (57.82368d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(3)</td> <td>XO-REF-34</td> <td>RA: 04 21 35.6640 (65.3986000d)</td> <td></td> <td>V=12.6+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td></td> <td>Dec: +57 50 1.36 (57.83371d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(4)</td> <td>XO-REF-83</td> <td>RA: 04 21 16.7020 (65.3195917d)</td> <td></td> <td>V=13.8+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td></td> <td>Dec: +57 47 13.56 (57.78710d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(5)</td> <td>XO-REF-99</td> <td>RA: 04 22 32.6900 (65.6362083d)</td> <td></td> <td>V=13.4+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td></td> <td>Dec: +57 50 47.11 (57.84642d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(6)</td> <td>XO-REF-291</td> <td>RA: 04 21 23.5440 (65.3481000d)</td> <td></td> <td>V=13.9+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td></td> <td>Dec: +57 47 0.02 (57.78334d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(7)</td> <td>XO-REF-243</td> <td>RA: 04 22 17.9300 (65.5747083d)</td> <td></td> <td>V=13.3+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td></td> <td>Dec: +57 48 4.32 (57.80120d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(8)</td> <td>XO-REF-1478</td> <td>RA: 04 21 36.6100 (65.4025417d)</td> <td></td> <td>V=13.5+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td></td> <td>Dec: +57 49 20.00 (57.82222d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	XO-3	RA: 04 21 52.7050 (65.4696042d)		V=9.80+/-0.04	Reference Frame: ICRS		Alt Name1: GSC-03727-01064	Dec: +57 49 1.89 (57.81719d)						Equinox: J2000				<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						(2)	XO-REF-49	RA: 04 22 34.1180 (65.6421583d)		V=14.0+/-0.2	Reference Frame: ICRS			Dec: +57 49 25.25 (57.82368d)						Equinox: J2000				(3)	XO-REF-34	RA: 04 21 35.6640 (65.3986000d)		V=12.6+/-0.2	Reference Frame: ICRS			Dec: +57 50 1.36 (57.83371d)						Equinox: J2000				(4)	XO-REF-83	RA: 04 21 16.7020 (65.3195917d)		V=13.8+/-0.2	Reference Frame: ICRS			Dec: +57 47 13.56 (57.78710d)						Equinox: J2000				(5)	XO-REF-99	RA: 04 22 32.6900 (65.6362083d)		V=13.4+/-0.2	Reference Frame: ICRS			Dec: +57 50 47.11 (57.84642d)						Equinox: J2000				(6)	XO-REF-291	RA: 04 21 23.5440 (65.3481000d)		V=13.9+/-0.2	Reference Frame: ICRS			Dec: +57 47 0.02 (57.78334d)						Equinox: J2000				(7)	XO-REF-243	RA: 04 22 17.9300 (65.5747083d)		V=13.3+/-0.2	Reference Frame: ICRS			Dec: +57 48 4.32 (57.80120d)						Equinox: J2000				(8)	XO-REF-1478	RA: 04 21 36.6100 (65.4025417d)		V=13.5+/-0.2	Reference Frame: ICRS			Dec: +57 49 20.00 (57.82222d)						Equinox: J2000			
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	XO-3	(1) XO-3	FGS, POS, 1	F583W		POS TARG 9.5,-2.7; GS ACQ SCENARI O BASE1T3	Sequence 1-23 Non-I nt	10 Secs [==>14.0 Secs]	[1]
	2	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	3	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	4	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	6	XO-3	(1) XO-3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	10 Secs [==>14.0 Secs]	[1]
	7	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	8	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	9	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	10	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	10 Secs [==>14.0 Secs]	[1]
	13	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	14	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	15	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	16	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]
	17	XO-3	(1) XO-3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	10 Secs [==>14.0 Secs]	[1]
18	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-I nt	30 Secs [==>34.0 Secs]	[1]	

Proposal 11706 - Visit 02 - The Parallax of the Planet Host Star XO-3

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	19	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs <i>[=>34.0 Secs]</i>	[1]
	20	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs <i>[=>34.0 Secs]</i>	[1]
	21	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs <i>[=>34.0 Secs]</i>	[1]
	22	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs <i>[=>34.0 Secs]</i>	[1]
	23	XO-3	(1) XO-3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	10 Secs <i>[=>14.0 Secs]</i>	[1]



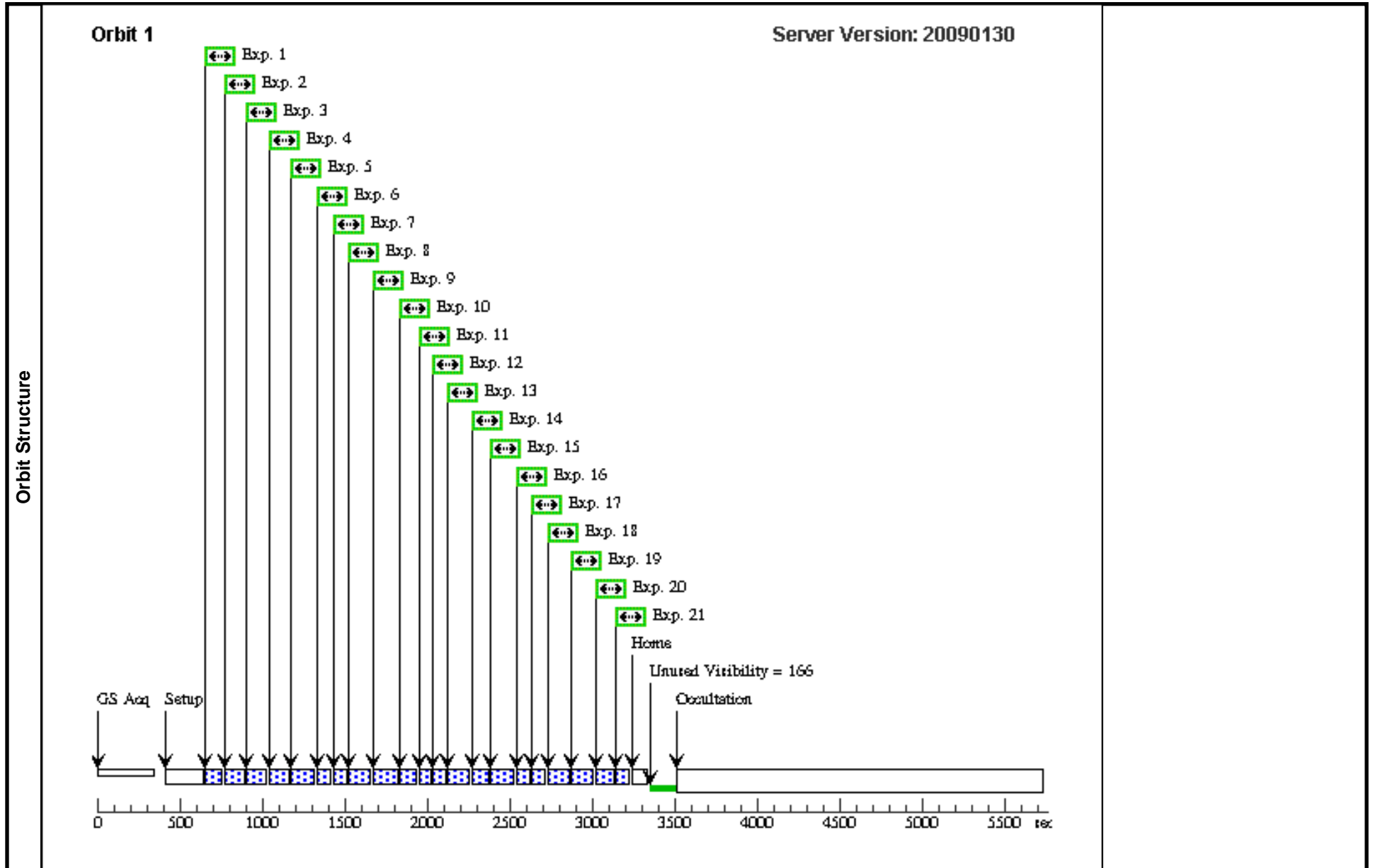
Proposal 11706 - Visit 03 - The Parallax of the Planet Host Star XO-3

Tue Jul 21 01:03:31 GMT 2009

Visit	Proposal 11706, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: FGS Special Requirements: GYRO MODE 2G; ORIENT 74.5D TO 76.5 D; BETWEEN 17-FEB-2009:00:00:00 AND 22-FEB-2009:00:00:00 <i>Comments: XO-3 at max parallax</i>																																																											
	(Visit 03) Warning (Form): Gyro Mode overrides default value of 3GOBAD.																																																											
Diagnostics	<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>XO-3 Alt Name1: GSC-03727-01064</td> <td>RA: 04 21 52.7050 (65.4696042d) Dec: +57 49 1.89 (57.81719d) Equinox: J2000</td> <td></td> <td>V=9.80+/-0.04</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></td> </tr> <tr> <td>(2)</td> <td>XO-REF-49</td> <td>RA: 04 22 34.1180 (65.6421583d) Dec: +57 49 25.25 (57.82368d) Equinox: J2000</td> <td></td> <td>V=14.0+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td>(3)</td> <td>XO-REF-34</td> <td>RA: 04 21 35.6640 (65.3986000d) Dec: +57 50 1.36 (57.83371d) Equinox: J2000</td> <td></td> <td>V=12.6+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td>(4)</td> <td>XO-REF-83</td> <td>RA: 04 21 16.7020 (65.3195917d) Dec: +57 47 13.56 (57.78710d) Equinox: J2000</td> <td></td> <td>V=13.8+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td>(5)</td> <td>XO-REF-99</td> <td>RA: 04 22 32.6900 (65.6362083d) Dec: +57 50 47.11 (57.84642d) Equinox: J2000</td> <td></td> <td>V=13.4+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td>(6)</td> <td>XO-REF-291</td> <td>RA: 04 21 23.5440 (65.3481000d) Dec: +57 47 0.02 (57.78334d) Equinox: J2000</td> <td></td> <td>V=13.9+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td>(8)</td> <td>XO-REF-1478</td> <td>RA: 04 21 36.6100 (65.4025417d) Dec: +57 49 20.00 (57.82222d) Equinox: J2000</td> <td></td> <td>V=13.5+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	XO-3 Alt Name1: GSC-03727-01064	RA: 04 21 52.7050 (65.4696042d) Dec: +57 49 1.89 (57.81719d) Equinox: J2000		V=9.80+/-0.04	Reference Frame: ICRS	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						(2)	XO-REF-49	RA: 04 22 34.1180 (65.6421583d) Dec: +57 49 25.25 (57.82368d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS	(3)	XO-REF-34	RA: 04 21 35.6640 (65.3986000d) Dec: +57 50 1.36 (57.83371d) Equinox: J2000		V=12.6+/-0.2	Reference Frame: ICRS	(4)	XO-REF-83	RA: 04 21 16.7020 (65.3195917d) Dec: +57 47 13.56 (57.78710d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS	(5)	XO-REF-99	RA: 04 22 32.6900 (65.6362083d) Dec: +57 50 47.11 (57.84642d) Equinox: J2000		V=13.4+/-0.2	Reference Frame: ICRS	(6)	XO-REF-291	RA: 04 21 23.5440 (65.3481000d) Dec: +57 47 0.02 (57.78334d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS	(8)	XO-REF-1478	RA: 04 21 36.6100 (65.4025417d) Dec: +57 49 20.00 (57.82222d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																						
	(1)	XO-3 Alt Name1: GSC-03727-01064	RA: 04 21 52.7050 (65.4696042d) Dec: +57 49 1.89 (57.81719d) Equinox: J2000		V=9.80+/-0.04	Reference Frame: ICRS																																																						
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	(2)	XO-REF-49	RA: 04 22 34.1180 (65.6421583d) Dec: +57 49 25.25 (57.82368d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS																																																						
	(3)	XO-REF-34	RA: 04 21 35.6640 (65.3986000d) Dec: +57 50 1.36 (57.83371d) Equinox: J2000		V=12.6+/-0.2	Reference Frame: ICRS																																																						
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Fixed Targets																																																												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit																																																		
	1	XO-3	(1) XO-3	FGS, POS, 1	F583W		POS TARG 9.5,-2.7; GS ACQ SCENARI O BASE1T3	Sequence 1-21 Non-I nt	10 Secs [=>14.0 Secs]	[1]																																																		
	2	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-I nt	30 Secs [=>34.0 Secs]	[1]																																																		

Proposal 11706 - Visit 03 - The Parallax of the Planet Host Star XO-3

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	3	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	4	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	6	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [=>14.0 Secs]	[1]
	7	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	8	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	9	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	10	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	11	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [=>14.0 Secs]	[1]
	12	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	13	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	14	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	15	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	16	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [=>14.0 Secs]	[1]
	17	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	18	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	19	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	20	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [=>34.0 Secs]	[1]
	21	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [=>14.0 Secs]	[1]



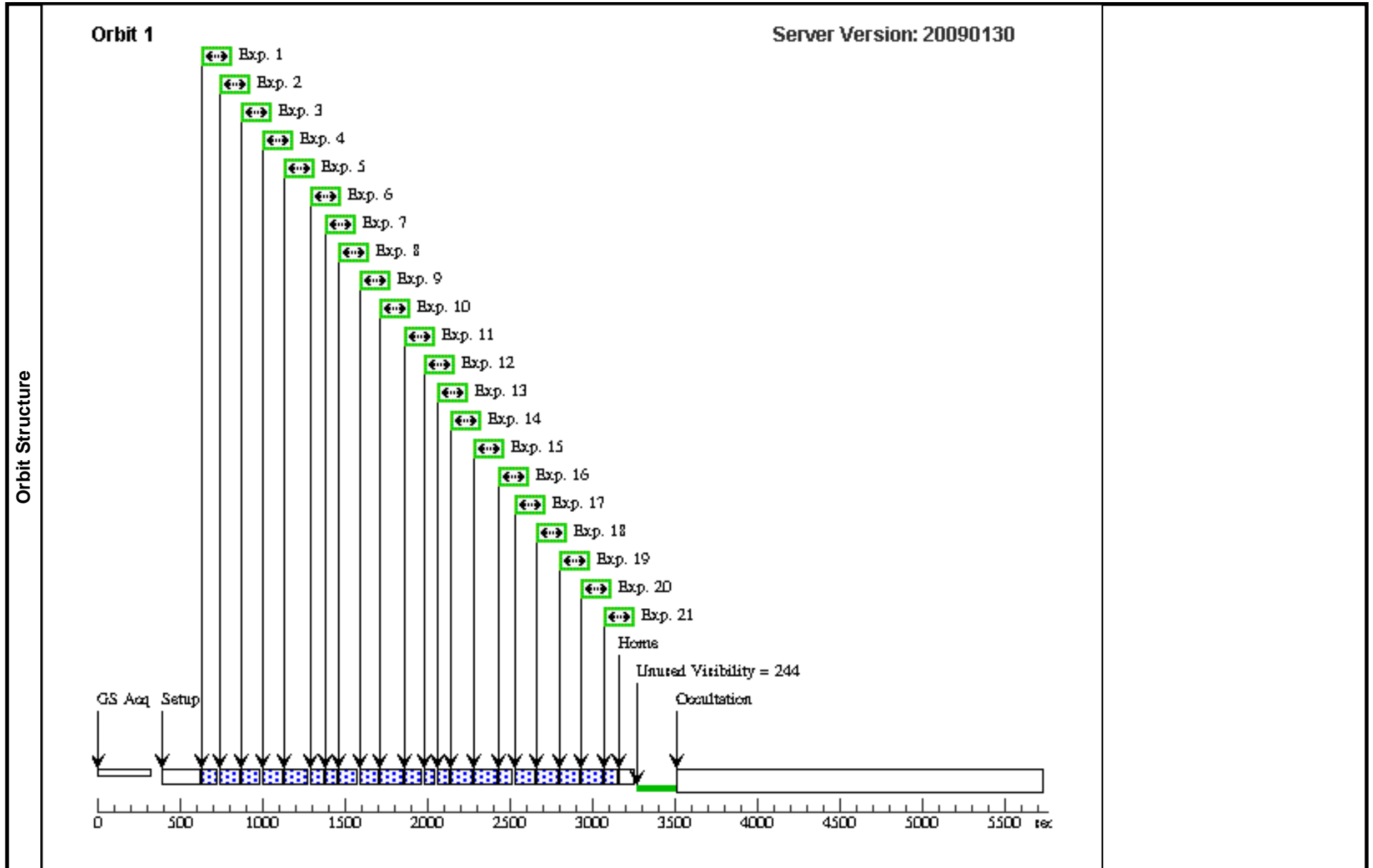
Proposal 11706 - Visit 04 - The Parallax of the Planet Host Star XO-3

Tue Jul 21 01:03:32 GMT 2009

Visit		Proposal 11706, Visit 04, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: ORIENT 258.0D TO 259.0 D; BETWEEN 01-SEP-2009:00:00:00 AND 03-SEP-2009:00:00:00 Comments: XO-3 at max parallax										
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
		(1)	XO-3	RA: 04 21 52.7050 (65.4696042d) Alt Name1: GSC-03727-01064 Dec: +57 49 1.89 (57.81719d) Equinox: J2000		V=9.80+/-0.04	Reference Frame: ICRS					
		<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
		(2)	XO-REF-49	RA: 04 22 34.1180 (65.6421583d) Dec: +57 49 25.25 (57.82368d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS					
		(3)	XO-REF-34	RA: 04 21 35.6640 (65.3986000d) Dec: +57 50 1.36 (57.83371d) Equinox: J2000		V=12.6+/-0.2	Reference Frame: ICRS					
		(4)	XO-REF-83	RA: 04 21 16.7020 (65.3195917d) Dec: +57 47 13.56 (57.78710d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS					
		(5)	XO-REF-99	RA: 04 22 32.6900 (65.6362083d) Dec: +57 50 47.11 (57.84642d) Equinox: J2000		V=13.4+/-0.2	Reference Frame: ICRS					
		(6)	XO-REF-291	RA: 04 21 23.5440 (65.3481000d) Dec: +57 47 0.02 (57.78334d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS					
		(7)	XO-REF-243	RA: 04 22 17.9300 (65.5747083d) Dec: +57 48 4.32 (57.80120d) Equinox: J2000		V=13.3+/-0.2	Reference Frame: ICRS					
(8)	XO-REF-1478	RA: 04 21 36.6100 (65.4025417d) Dec: +57 49 20.00 (57.82222d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS							
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
		1	XO-3	(1) XO-3	FGS, POS, 1	F583W		POS TARG -0.9,-21.6; GS ACQ SCENARIO BASE1B3	Sequence 1-21 Non-Int		10 Secs [==>]	[1]
2	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int			30 Secs [==>]	[1]	

Proposal 11706 - Visit 04 - The Parallax of the Planet Host Star XO-3

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	3	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	4	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	6	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [==>]	[1]
	7	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20 Secs [==>]	[1]
	8	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	9	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	10	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [==>]	[1]
	13	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20 Secs [==>]	[1]
	14	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	15	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	16	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [==>]	[1]
	17	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	18	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	19	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	20	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	21	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [==>]	[1]



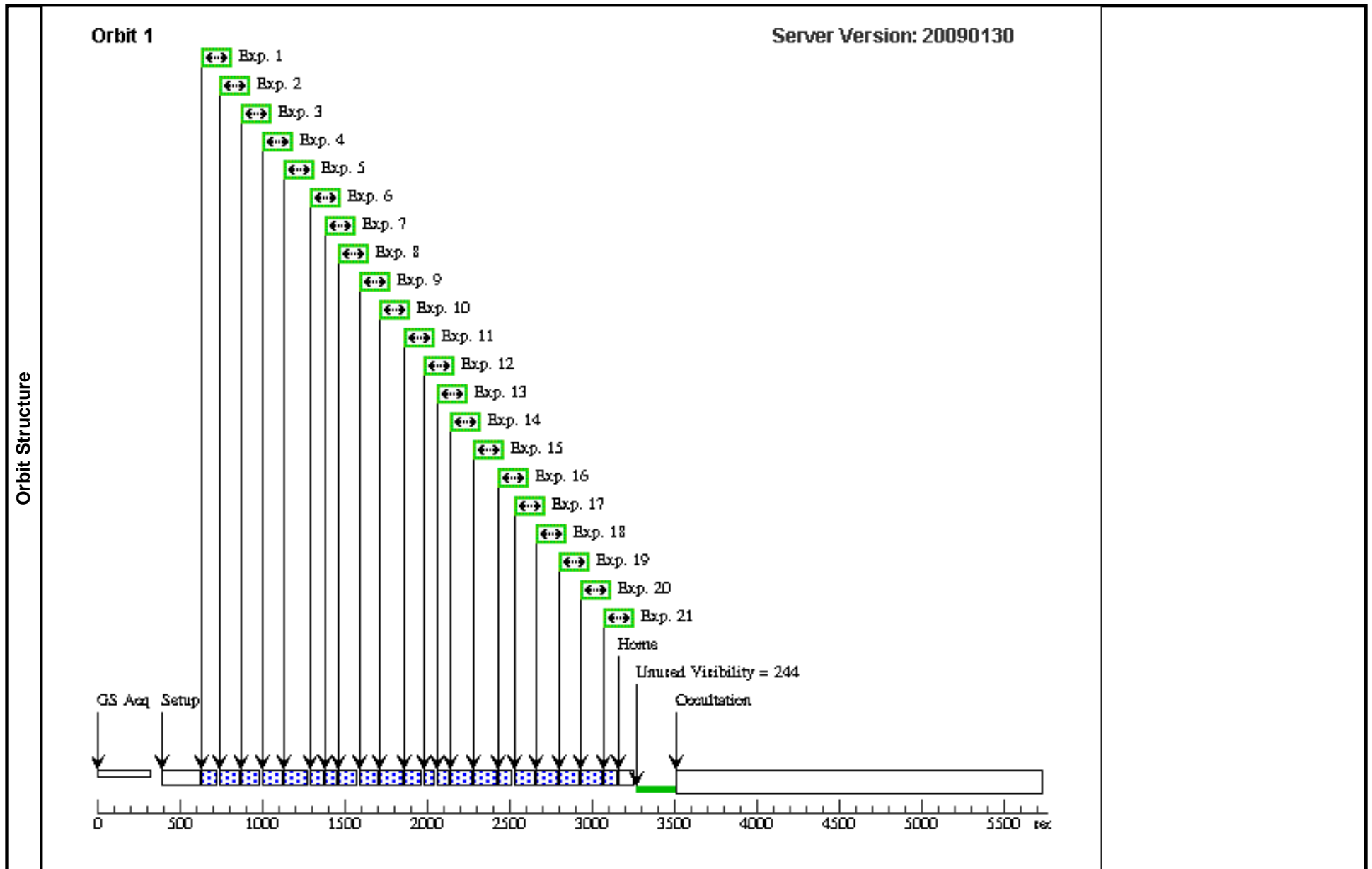
Proposal 11706 - Visit 05 - The Parallax of the Planet Host Star XO-3

Tue Jul 21 01:03:33 GMT 2009

Visit		Proposal 11706, Visit 05, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: ORIENT 258.0D TO 259.0 D; BETWEEN 05-SEP-2009:00:00:00 AND 09-SEP-2009:00:00:00 Comments: XO-3 at max parallax										
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
		(1)	XO-3	RA: 04 21 52.7050 (65.4696042d) Alt Name1: GSC-03727-01064 Dec: +57 49 1.89 (57.81719d) Equinox: J2000		V=9.80+/-0.04	Reference Frame: ICRS					
		<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
		(2)	XO-REF-49	RA: 04 22 34.1180 (65.6421583d) Dec: +57 49 25.25 (57.82368d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS					
		(3)	XO-REF-34	RA: 04 21 35.6640 (65.3986000d) Dec: +57 50 1.36 (57.83371d) Equinox: J2000		V=12.6+/-0.2	Reference Frame: ICRS					
		(4)	XO-REF-83	RA: 04 21 16.7020 (65.3195917d) Dec: +57 47 13.56 (57.78710d) Equinox: J2000		V=13.8+/-0.2	Reference Frame: ICRS					
		(5)	XO-REF-99	RA: 04 22 32.6900 (65.6362083d) Dec: +57 50 47.11 (57.84642d) Equinox: J2000		V=13.4+/-0.2	Reference Frame: ICRS					
		(6)	XO-REF-291	RA: 04 21 23.5440 (65.3481000d) Dec: +57 47 0.02 (57.78334d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS					
		(7)	XO-REF-243	RA: 04 22 17.9300 (65.5747083d) Dec: +57 48 4.32 (57.80120d) Equinox: J2000		V=13.3+/-0.2	Reference Frame: ICRS					
(8)	XO-REF-1478	RA: 04 21 36.6100 (65.4025417d) Dec: +57 49 20.00 (57.82222d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS							
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
		1	XO-3	(1) XO-3	FGS, POS, 1	F583W		POS TARG -0.9,-21.6; GS ACQ SCENARIO BASE1B3	Sequence 1-21 Non-Int		10 Secs [==>]	[1]
2	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-21 Non-Int			30 Secs [==>]	[1]	

Proposal 11706 - Visit 05 - The Parallax of the Planet Host Star XO-3

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	3	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	4	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	6	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [==>]	[1]
	7	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20 Secs [==>]	[1]
	8	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	9	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	10	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [==>]	[1]
	13	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20 Secs [==>]	[1]
	14	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	15	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	16	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [==>]	[1]
	17	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	18	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	19	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	20	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs [==>]	[1]
	21	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs [==>]	[1]



Proposal 11706 - Visit 06 - The Parallax of the Planet Host Star XO-3

Tue Jul 21 01:03:34 GMT 2009

Visit	Proposal 11706, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: ORIENT 281.5D TO 281.5 D; BETWEEN 31-JUL-2009:00:00:00 AND 02-AUG-2009:00:00:00 Comments: XO-3 intermediate parallax									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(1)	XO-3 Alt Name1: GSC-03727-01064	RA: 04 21 52.7050 (65.4696042d) Dec: +57 49 1.89 (57.81719d) Equinox: J2000		V=9.80+/-0.04	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
	(2)	XO-REF-49	RA: 04 22 34.1180 (65.6421583d) Dec: +57 49 25.25 (57.82368d) Equinox: J2000		V=14.0+/-0.2	Reference Frame: ICRS				
	(3)	XO-REF-34	RA: 04 21 35.6640 (65.3986000d) Dec: +57 50 1.36 (57.83371d) Equinox: J2000		V=12.6+/-0.2	Reference Frame: ICRS				
	(6)	XO-REF-291	RA: 04 21 23.5440 (65.3481000d) Dec: +57 47 0.02 (57.78334d) Equinox: J2000		V=13.9+/-0.2	Reference Frame: ICRS				
	(7)	XO-REF-243	RA: 04 22 17.9300 (65.5747083d) Dec: +57 48 4.32 (57.80120d) Equinox: J2000		V=13.3+/-0.2	Reference Frame: ICRS				
	(8)	XO-REF-1478	RA: 04 21 36.6100 (65.4025417d) Dec: +57 49 20.00 (57.82222d) Equinox: J2000		V=13.5+/-0.2	Reference Frame: ICRS				
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]
1		XO-3	(1) XO-3	FGS, POS, 1	F583W		POS TARG 51.3,-78.8; GS ACQ SCENARIO BASE1B3	Sequence 1-23 Non-Int	10 Secs [==>]	[1]
2		ref-34	(3) XO-REF-34	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
3		ref-243	(7) XO-REF-243	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
4		ref-291	(6) XO-REF-291	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
5		ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]

Proposal 11706 - Visit 06 - The Parallax of the Planet Host Star XO-3

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	6	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	10 Secs [==>]	[1]
	7	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	8	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	9	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	10	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	10 Secs [==>]	[1]
	13	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	14	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	15	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	16	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	17	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	10 Secs [==>]	[1]
	18	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	19	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	20	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	21	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	22	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [==>]	[1]
	23	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	10 Secs [==>]	[1]

