



## 12321 - The Parallax of the Planet Host Star XO-3

Cycle: 18, 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	09-Jul-2010 01:57:10.0	yes

Proposal 12321 (STScI Edit Number: 1, Created: Friday, July 9, 2010 12:57:50 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>
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	09-Jul-2010 01:57:21.0	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	09-Jul-2010 01:57:29.0	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	09-Jul-2010 01:57:38.0	yes
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	09-Jul-2010 01:57:46.0	yes

5 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**

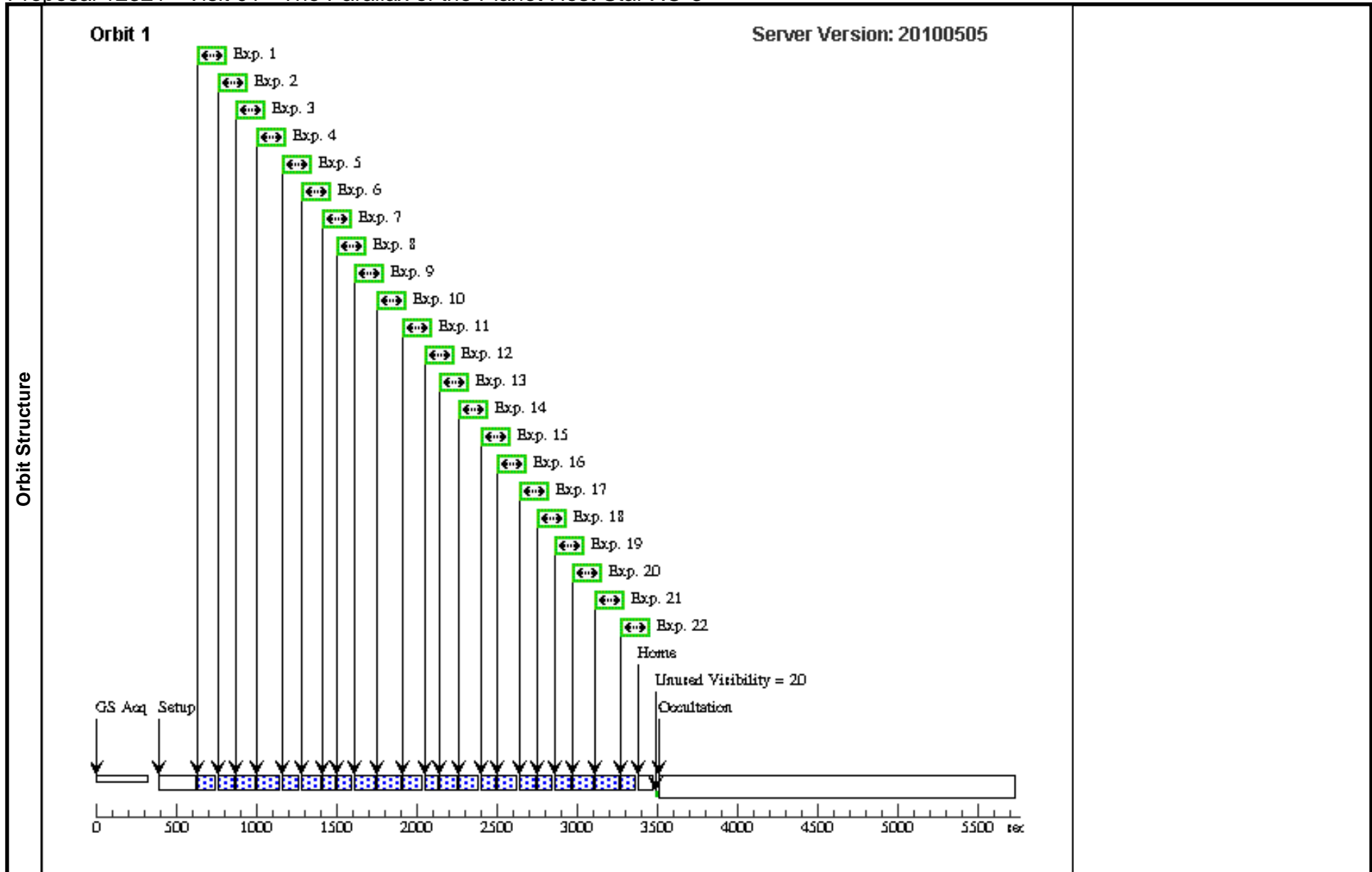
For this proposed study we will obtain 11 orbits of astrometric data with FGS 1r for XO-3 and associated reference stars, spread over 2 years. The pattern will be two orbits near the four maximum parallax factors, and one orbit at each of the first, second, and third intervening minimum parallax factors. 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  $\sim 0.2$  mas. Each visit will include multiple POS mode (fringe tracking) observations of XO-3 and  $\sim 5$  astrometric reference stars.

Proposal 12321 (STScI Edit Number: 1, Created: Friday, July 9, 2010 12:57:50 AM EST) - Overview

Visit	<p><b>Proposal 12321, Visit 01, implementation</b> <span style="float: right;">Fri Jul 09 05:57:51 GMT 2010</span>  <b>Diagnostic Status: No Diagnostics</b>                  Scientific Instruments: FGS                  Special Requirements: ORIENT 111D TO 113 D; BETWEEN 31-DEC-2010:00:00:00 AND 07-FEB-2011:00:00:00                  Comments: XO-3 intermediate parallax</p>						
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)		XO-3	RA: 04 21 52.7050 (65.4696042d) Dec: +57 49 1.89 (57.81719d) Equinox: J2000 Alt Name1: GSC-03727-01064		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		

Proposal 12321 (STScI Edit Number: 1, Created: Friday, July 9, 2010 12:57:50 AM EST) - Overview

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	XO-3	(1) XO-3	FGS, POS, 1	F583W	POS TARG 87.7,54.3	Sequence 1-22 Non-Int	10 Secs [=>26.0 Secs ]	[1]
	2	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	3	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>42.0 Secs ]	[1]
	4	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>42.0 Secs ]	[1]
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	6	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>42.0 Secs ]	[1]
	7	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10 Secs [=>26.0 Secs ]	[1]
	8	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	9	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	10	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10 Secs [=>26.0 Secs ]	[1]
	13	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>42.0 Secs ]	[1]
	14	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	15	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>42.0 Secs ]	[1]
	16	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	17	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10 Secs [=>26.0 Secs ]	[1]
	18	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	19	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	20	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	21	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	30 Secs [=>46.0 Secs ]	[1]
	22	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-22 Non-Int	10 Secs [=>26.0 Secs ]	[1]



Proposal 12321 - Visit 01 - The Parallax of the Planet Host Star XO-3

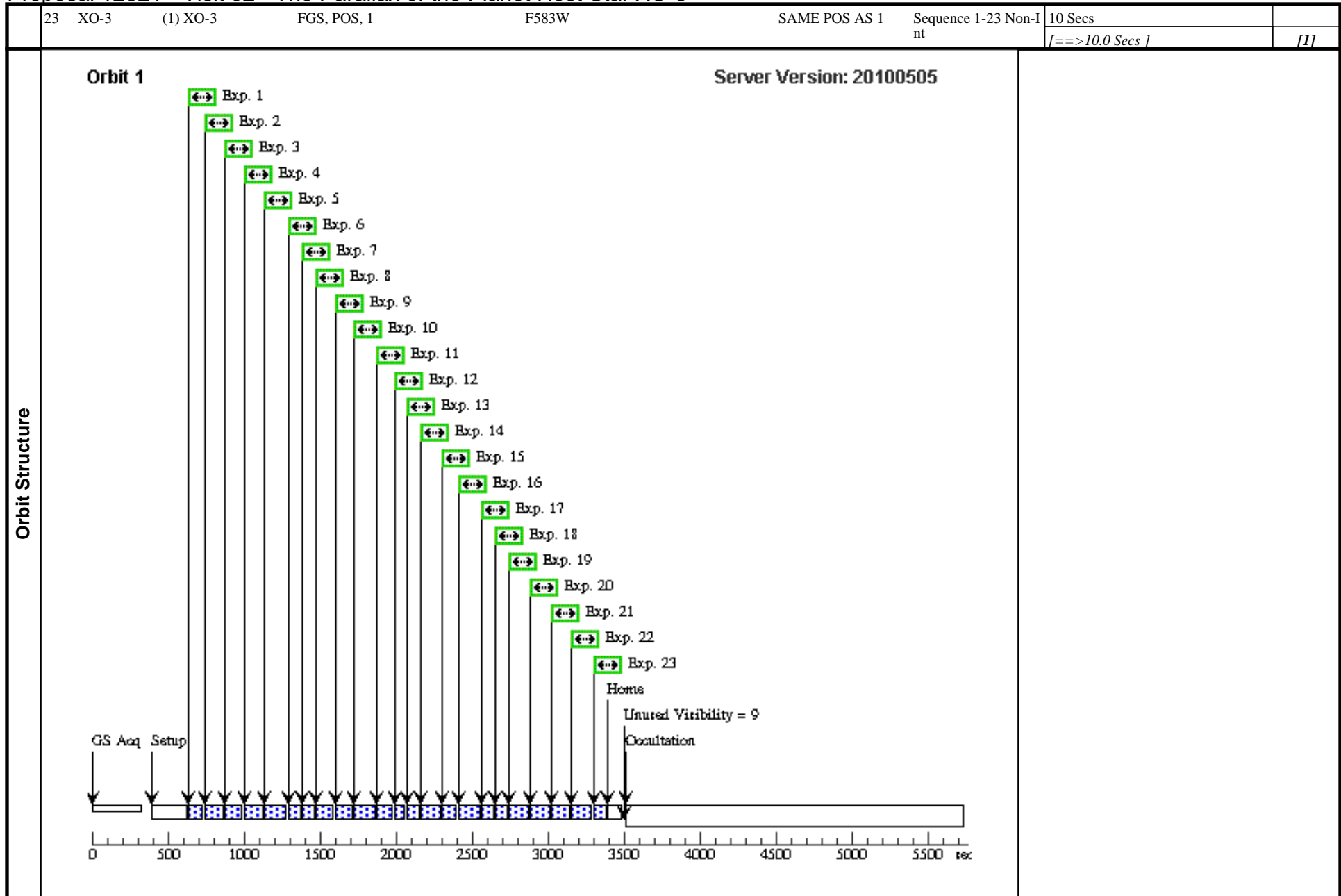
Fri Jul 09 05:57:52 GMT 2010

Visit	Proposal 12321, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: ORIENT 74.5D TO 76.5 D; BETWEEN 11-FEB-2011:00:00:00 AND 14-FEB-2011:00:00:00 Comments: XO-3 at max parallax						
	Fixed Targets	#	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	
(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		

Proposal 12321 - 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	1	XO-3	(1) XO-3	FGS, POS, 1	F583W	POS TARG 9.5,-2.7	Sequence 1-23 Non-Int	10 Secs [=>10.0 Secs ]	[1]
	2	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	3	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	4	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	6	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	10 Secs [=>10.0 Secs ]	[1]
	7	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	8	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	9	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	10	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	10 Secs [=>10.0 Secs ]	[1]
	13	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	14	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	15	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	16	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	17	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	10 Secs [=>10.0 Secs ]	[1]
	18	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	19	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	20	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	21	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]
	22	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-23 Non-Int	30 Secs [=>30.0 Secs ]	[1]

Proposal 12321 - Visit 02 - The Parallax of the Planet Host Star XO-3



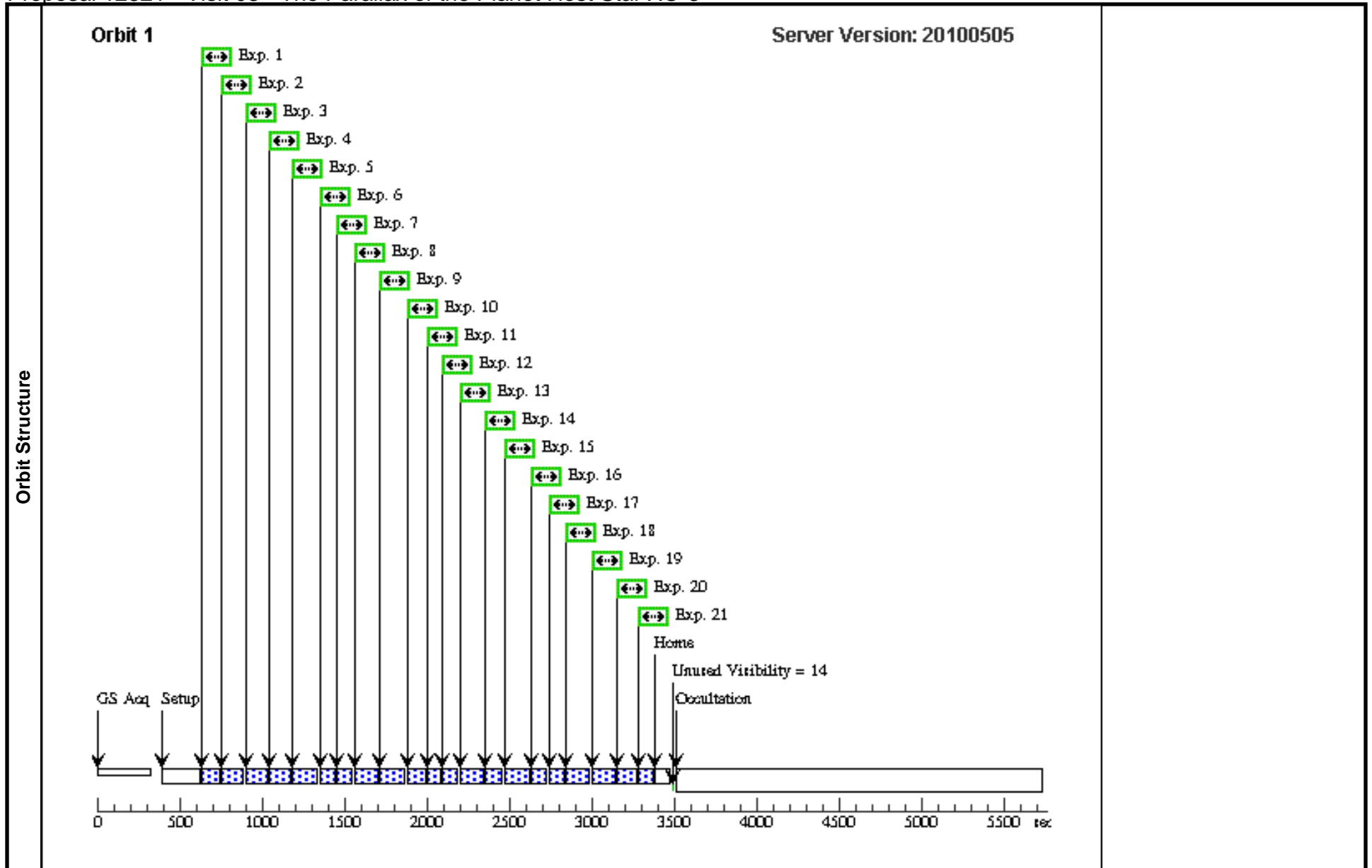
Proposal 12321 - Visit 02 - The Parallax of the Planet Host Star XO-3

Fri Jul 09 05:57:54 GMT 2010

Visit	Proposal 12321, Visit 03, implementation						
	Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: ORIENT 74.5D TO 76.5 D; BETWEEN 17-FEB-2011:00:00:00 AND 22-FEB-2011:00:00:00 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) 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		

Proposal 12321 - Visit 02 - 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	1	XO-3	(1) XO-3	FGS, POS, 1	F583W	POS TARG 9.5,-2.7	Sequence 1-21 Non-Int	10 Secs	[1]	
								[=>22.0 Secs ]		
	2	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]	
								[=>42.0 Secs ]		
	3	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]	
								[=>42.0 Secs ]		
	4	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]	
								[=>42.0 Secs ]		
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]	
								[=>42.0 Secs ]		
	6	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[1]	
								[=>22.0 Secs ]		
	7	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]	
								[=>42.0 Secs ]		
	8	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]	
								[=>42.0 Secs ]		
	9	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]	
								[=>42.0 Secs ]		
	10	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]	
								[=>42.0 Secs ]		
	11	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[1]	
							[=>22.0 Secs ]			
12	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]		
							[=>42.0 Secs ]			
13	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]		
							[=>42.0 Secs ]			
14	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]		
							[=>42.0 Secs ]			
15	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]		
							[=>42.0 Secs ]			
16	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[1]		
							[=>22.0 Secs ]			
17	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]		
							[=>42.0 Secs ]			
18	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]		
							[=>42.0 Secs ]			
19	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]		
							[=>42.0 Secs ]			
20	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[1]		
							[=>42.0 Secs ]			
21	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[1]		
							[=>22.0 Secs ]			



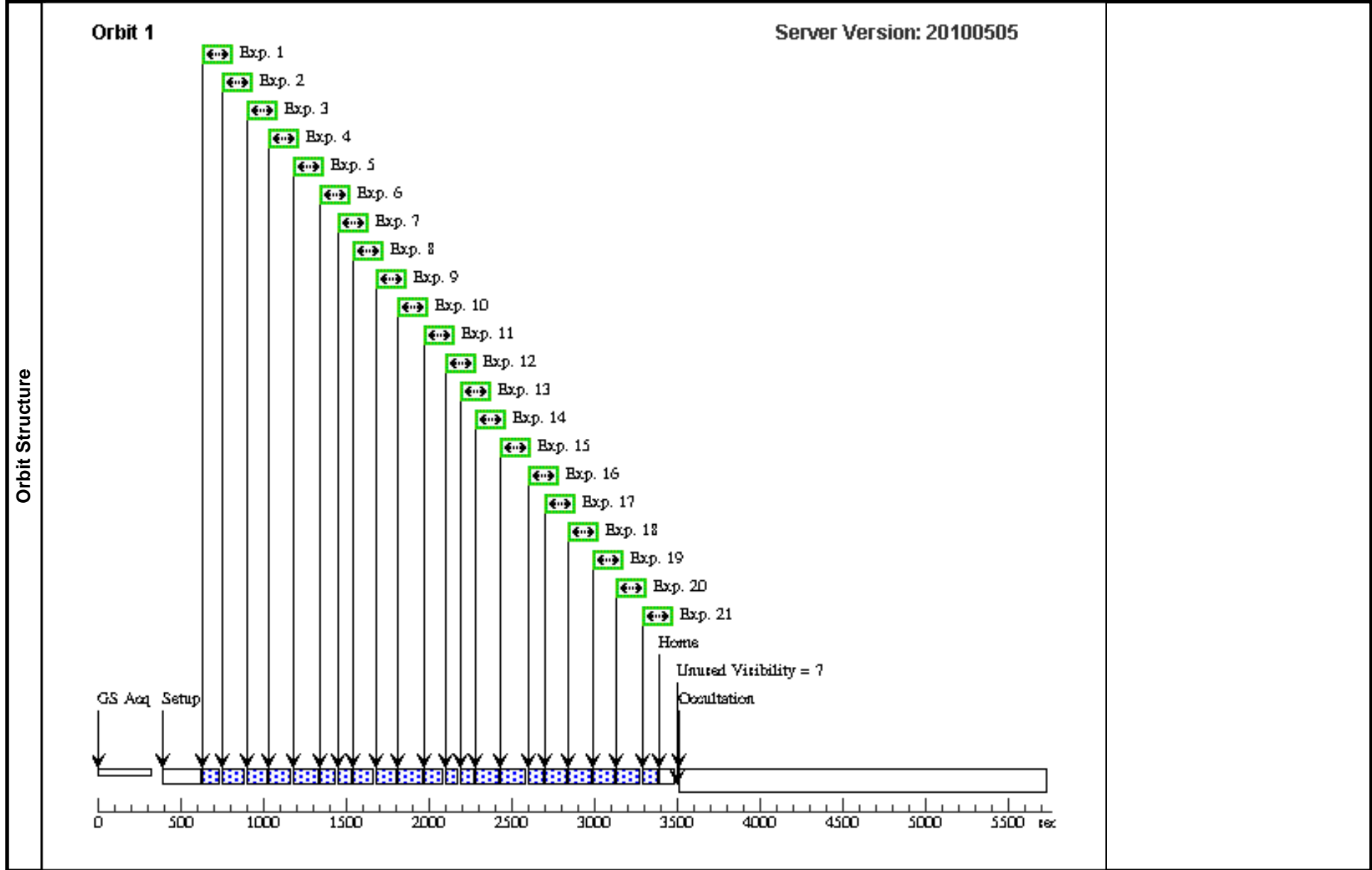
Proposal 12321 - Visit 03 - The Parallax of the Planet Host Star XO-3

Fri Jul 09 05:57:55 GMT 2010

Visit	Proposal 12321, Visit 04, implementation						
	Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: ORIENT 258.0D TO 259.0 D; BETWEEN 01-SEP-2010:00:00:00 AND 03-SEP-2010:00:00:00 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) 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		

Proposal 12321 - 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	1	XO-3	(1) XO-3	FGS, POS, 1	F583W	POS TARG -0.9,-21.6	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]
	2	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	3	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	4	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	6	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]
	7	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20 Secs	[=>31.0 Secs ]	[1]
	8	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	9	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	10	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]
	13	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20 Secs	[=>31.0 Secs ]	[1]
	14	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	15	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	16	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]
	17	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	18	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	19	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	20	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	21	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]



Proposal 12321 - Visit 04 - The Parallax of the Planet Host Star XO-3

Fri Jul 09 05:57:55 GMT 2010

Visit	Proposal 12321, Visit 05, implementation						
	Diagnostic Status: No Diagnostics Scientific Instruments: FGS Special Requirements: ORIENT 258.0D TO 259.0 D; BETWEEN 05-SEP-2011:00:00:00 AND 09-SEP-2011:00:00:00 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) 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		

Proposal 12321 - 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	1	XO-3	(1) XO-3	FGS, POS, 1	F583W	POS TARG -0.9,-21.6	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]
	2	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	3	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	4	ref-99	(5) XO-REF-99	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	5	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	6	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]
	7	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20 Secs	[=>31.0 Secs ]	[1]
	8	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	9	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	10	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	11	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	12	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]
	13	ref-34	(3) XO-REF-34	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	20 Secs	[=>31.0 Secs ]	[1]
	14	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	15	ref-83	(4) XO-REF-83	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	16	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]
	17	ref-49	(2) XO-REF-49	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	18	ref-1478	(8) XO-REF-1478	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	19	ref-243	(7) XO-REF-243	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	20	ref-291	(6) XO-REF-291	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	30 Secs	[=>41.0 Secs ]	[1]
	21	XO-3	(1) XO-3	FGS, POS, 1	F583W	SAME POS AS 1	Sequence 1-21 Non-Int	10 Secs	[=>21.0 Secs ]	[1]

