



11214 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

Cycle: 16, 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>
10	(2) AU-MIC (3) AUMIC-REF1 (4) AUMIC-REF2 (5) AUMIC-REF3 (6) AUMIC-REF4 (7) AUMIC-REF5 (8) AUMIC-REF6	FGS	1	18-Jan-2008 04:01:38.0	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>
11	(2) AU-MIC (3) AUMIC-REF1 (4) AUMIC-REF2 (5) AUMIC-REF3 (6) AUMIC-REF4 (7) AUMIC-REF5 (8) AUMIC-REF6	FGS	1	18-Jan-2008 04:01:49.0	yes
12	(2) AU-MIC (3) AUMIC-REF1 (4) AUMIC-REF2 (5) AUMIC-REF3 (6) AUMIC-REF4 (7) AUMIC-REF5 (8) AUMIC-REF6	FGS	1	18-Jan-2008 04:01:58.0	yes
13	(2) AU-MIC (3) AUMIC-REF1 (4) AUMIC-REF2 (5) AUMIC-REF3 (6) AUMIC-REF4 (7) AUMIC-REF5 (8) AUMIC-REF6	FGS	1	18-Jan-2008 04:02:09.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
14	(2) AU-MIC (3) AUMIC-REF1 (4) AUMIC-REF2 (5) AUMIC-REF3 (6) AUMIC-REF4 (7) AUMIC-REF5 (8) AUMIC-REF6	FGS	1	18-Jan-2008 04:02:17.0	yes
15	(2) AU-MIC (3) AUMIC-REF1 (4) AUMIC-REF2 (5) AUMIC-REF3 (6) AUMIC-REF4 (7) AUMIC-REF5 (8) AUMIC-REF6	FGS	1	18-Jan-2008 04:02:26.0	yes

6 Total Orbits Used

ABSTRACT

Beta Pic and AU Mic are two nearby Vega-type debris disk stars. Both of these disk systems have been spatially resolved in exquisite detail, predominantly via the ACS coronagraph and WFPC-2 cameras onboard HST. These images exhibit a wealth of morphological features which provide compelling indirect evidence that these systems likely harbor short-period planetary body(ies). We propose to use the superlative astrometric capabilities of HST/FGS to directly detect these planets, hence provide the first direct planet detection in a Vega-type system whose disk has been imaged at high spatial resolution.

OBSERVING DESCRIPTION

We will use FGS1r to monitor the position of AU Mic relative to nearby field stars to investigate the possible presence of Jupiter mass planets in orbit about the star.

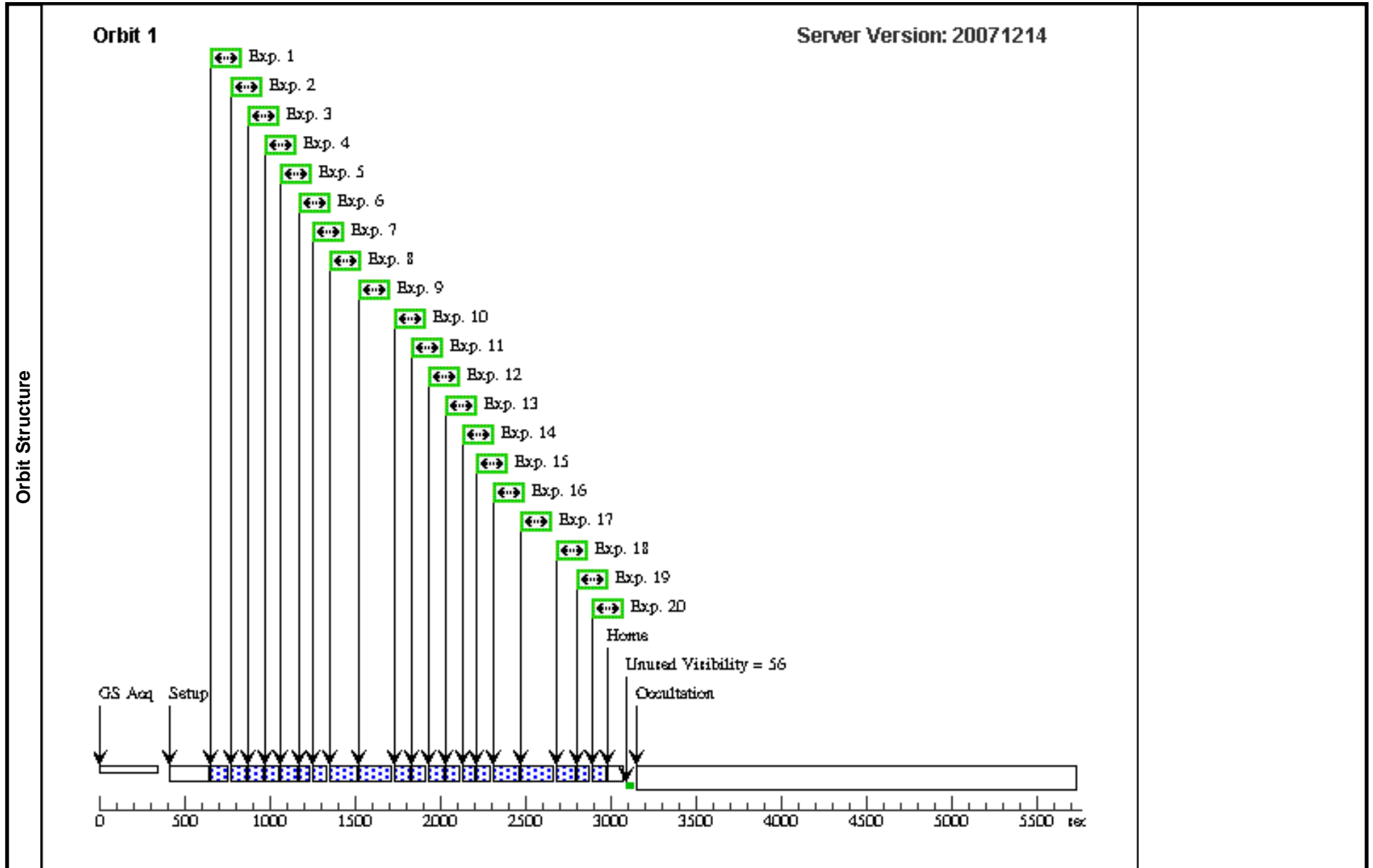
Proposal 11214 - Visit 10 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

Fri Jan 18 09:02:30 GMT 2008

Visit		Proposal 11214, Visit 10								
		Diagnostic Status: No Diagnostics								
		Scientific Instruments: FGS								
		Special Requirements: ORIENT 265.0D TO 265.0 D; BETWEEN 30-MAY-2007:00:00:00 AND 03-JUN-2007:00:00:00								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	AU-MIC	RA: 20 45 9.5318 (311.2897158d) Dec: -31 20 27.24 (-31.34090d) Equinox: J2000	Proper Motion RA: 0.021883s/yr Proper Motion Dec: -0.36009"/yr Parallax: 0.1006" Epoch of Position: 2000.0	V=8.61+/-0.1 B = 10.05	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
	(3)	AUMIC-REF1 Alt Name1: S333311099	RA: 20 45 25.3990 (311.3558292d) Dec: -31 20 34.19 (-31.34283d) Equinox: J2000		V=13.8+/-0.1 B=14.14, R=12.94	Reference Frame: ICRS				
	(4)	AUMIC-REF2 Alt Name1: S333311079	RA: 20 45 14.0350 (311.3084792d) Dec: -31 18 21.50 (-31.30597d) Equinox: J2000		V=13.86+/-0.1	Reference Frame: ICRS				
	(5)	AUMIC-REF3 Alt Name1: S333311078	RA: 20 45 10.2070 (311.2925292d) Dec: -31 18 12.82 (-31.30356d) Equinox: J2000		V=14.3+/-0.1 B=14.59, R=13.60	Reference Frame: ICRS				
	(6)	AUMIC-REF4 Alt Name1: S333311095	RA: 20 45 10.5350 (311.2938958d) Dec: -31 19 52.65 (-31.33129d) Equinox: J2000		V=14.73+/-0.1 B=14.91, R=14.19	Reference Frame: ICRS				
	(7)	AUMIC-REF5 Alt Name1: S333311024350	RA: 20 44 55.0020 (311.2291750d) Dec: -31 19 51.63 (-31.33101d) Equinox: J2000		V=15.5+/-0.1	Reference Frame: ICRS				
(8)	AUMIC-REF6 Alt Name1: S33311024296	RA: 20 44 51.4090 (311.2142042d) Dec: -31 20 21.43 (-31.33929d) Equinox: J2000		V=15.9+/-0.1	Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) AU-MIC		FGS, POS, 1	F583W		POS TARG 0.0,40.0	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	2	(3) AUMIC-REF1		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	3	(4) AUMIC-REF2		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	4	(5) AUMIC-REF3		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
5	(6) AUMIC-REF4		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]	

Proposal 11214 - Visit 10 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	6	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	7	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	8	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	9	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	10	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	11	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	12	(4) AUMIC-REF2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	13	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	14	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	15	(6) AUMIC-REF4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	16	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	17	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	18	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	19	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	20	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]



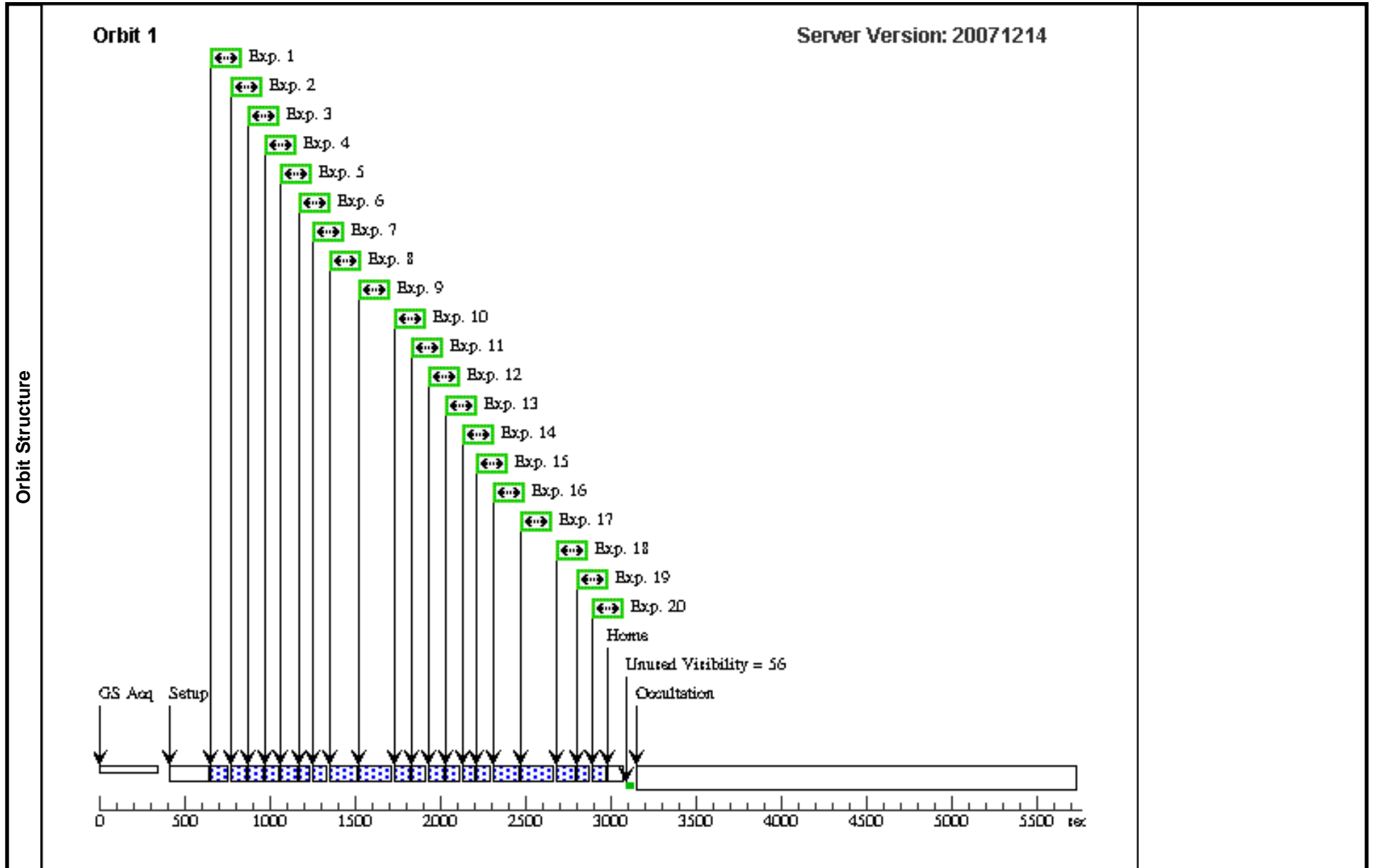
Proposal 11214 - Visit 11 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

Fri Jan 18 09:02:32 GMT 2008

Visit		Proposal 11214, Visit 11									
		Diagnostic Status: No Diagnostics									
		Scientific Instruments: FGS									
		Special Requirements: ORIENT 265.0D TO 265.0 D; BETWEEN 25-JUN-2007:00:00:00 AND 01-JUL-2007:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	AU-MIC	RA: 20 45 9.5318 (311.2897158d) Dec: -31 20 27.24 (-31.34090d) Equinox: J2000	Proper Motion RA: 0.021883s/yr Proper Motion Dec: -0.36009"/yr Parallax: 0.1006" Epoch of Position: 2000.0	V=8.61+/-0.1 B = 10.05	Reference Frame: ICRS					
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
	(3)	AUMIC-REF1 Alt Name1: S333311099	RA: 20 45 25.3990 (311.3558292d) Dec: -31 20 34.19 (-31.34283d) Equinox: J2000		V=13.8+/-0.1 B=14.14, R=12.94	Reference Frame: ICRS					
	(4)	AUMIC-REF2 Alt Name1: S333311079	RA: 20 45 14.0350 (311.3084792d) Dec: -31 18 21.50 (-31.30597d) Equinox: J2000		V=13.86+/-0.1	Reference Frame: ICRS					
	(5)	AUMIC-REF3 Alt Name1: S333311078	RA: 20 45 10.2070 (311.2925292d) Dec: -31 18 12.82 (-31.30356d) Equinox: J2000		V=14.3+/-0.1 B=14.59, R=13.60	Reference Frame: ICRS					
	(6)	AUMIC-REF4 Alt Name1: S333311095	RA: 20 45 10.5350 (311.2938958d) Dec: -31 19 52.65 (-31.33129d) Equinox: J2000		V=14.73+/-0.1 B=14.91, R=14.19	Reference Frame: ICRS					
	(7)	AUMIC-REF5 Alt Name1: S333311024350	RA: 20 44 55.0020 (311.2291750d) Dec: -31 19 51.63 (-31.33101d) Equinox: J2000		V=15.5+/-0.1	Reference Frame: ICRS					
(8)	AUMIC-REF6 Alt Name1: S33311024296	RA: 20 44 51.4090 (311.2142042d) Dec: -31 20 21.43 (-31.33929d) Equinox: J2000		V=15.9+/-0.1	Reference Frame: ICRS						
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	(2) AU-MIC		FGS, POS, 1	F583W		POS TARG 0.0,40.0	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]	
	2	(3) AUMIC-REF1		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]	
	3	(4) AUMIC-REF2		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]	
	4	(5) AUMIC-REF3		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]	
	5	(6) AUMIC-REF4		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]	

Proposal 11214 - Visit 11 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	6	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	7	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	8	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	9	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	10	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	11	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	12	(4) AUMIC-REF2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	13	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	14	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	15	(6) AUMIC-REF4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	16	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	17	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	18	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	19	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	20	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]



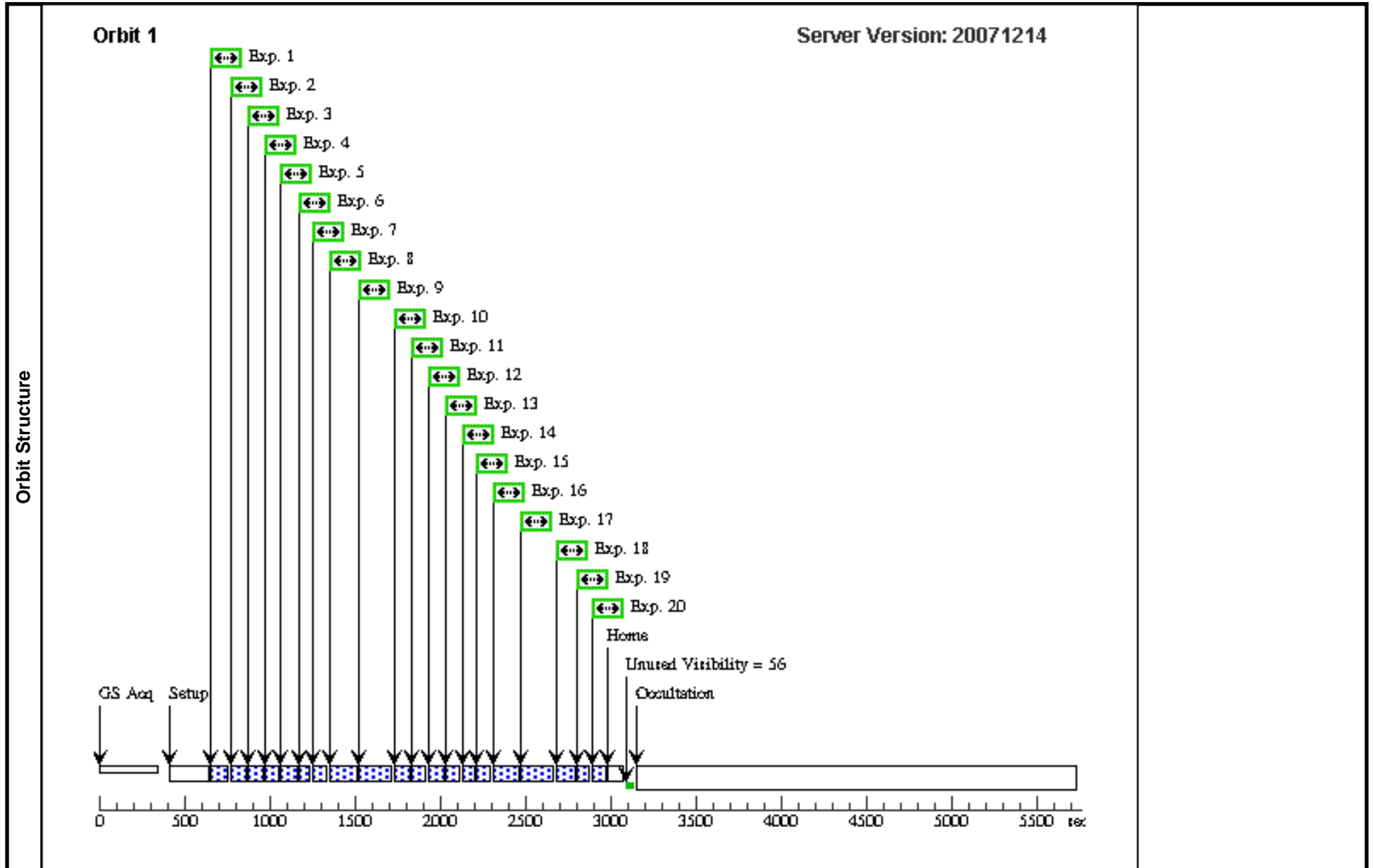
Proposal 11214 - Visit 12 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

Fri Jan 18 09:02:34 GMT 2008

Visit		Proposal 11214, Visit 12								
		Diagnostic Status: No Diagnostics								
		Scientific Instruments: FGS								
		Special Requirements: ORIENT 265.0D TO 265.0 D; BETWEEN 10-JUL-2007:00:00:00 AND 13-JUL-2007:00:00:00								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	AU-MIC	RA: 20 45 9.5318 (311.2897158d) Dec: -31 20 27.24 (-31.34090d) Equinox: J2000	Proper Motion RA: 0.021883s/yr Proper Motion Dec: -0.36009"/yr Parallax: 0.1006" Epoch of Position: 2000.0	V=8.61+/-0.1 B = 10.05	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
	(3)	AUMIC-REF1 Alt Name1: S333311099	RA: 20 45 25.3990 (311.3558292d) Dec: -31 20 34.19 (-31.34283d) Equinox: J2000		V=13.8+/-0.1 B=14.14, R=12.94	Reference Frame: ICRS				
	(4)	AUMIC-REF2 Alt Name1: S333311079	RA: 20 45 14.0350 (311.3084792d) Dec: -31 18 21.50 (-31.30597d) Equinox: J2000		V=13.86+/-0.1	Reference Frame: ICRS				
	(5)	AUMIC-REF3 Alt Name1: S333311078	RA: 20 45 10.2070 (311.2925292d) Dec: -31 18 12.82 (-31.30356d) Equinox: J2000		V=14.3+/-0.1 B=14.59, R=13.60	Reference Frame: ICRS				
	(6)	AUMIC-REF4 Alt Name1: S333311095	RA: 20 45 10.5350 (311.2938958d) Dec: -31 19 52.65 (-31.33129d) Equinox: J2000		V=14.73+/-0.1 B=14.91, R=14.19	Reference Frame: ICRS				
	(7)	AUMIC-REF5 Alt Name1: S333311024350	RA: 20 44 55.0020 (311.2291750d) Dec: -31 19 51.63 (-31.33101d) Equinox: J2000		V=15.5+/-0.1	Reference Frame: ICRS				
(8)	AUMIC-REF6 Alt Name1: S33311024296	RA: 20 44 51.4090 (311.2142042d) Dec: -31 20 21.43 (-31.33929d) Equinox: J2000		V=15.9+/-0.1	Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) AU-MIC		FGS, POS, 1	F583W		POS TARG 0.0,40.0	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	2	(3) AUMIC-REF1		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	3	(4) AUMIC-REF2		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	4	(5) AUMIC-REF3		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
5	(6) AUMIC-REF4		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]	

Proposal 11214 - Visit 12 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	6	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	7	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	8	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	9	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	10	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	11	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	12	(4) AUMIC-REF2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	13	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	14	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	15	(6) AUMIC-REF4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	16	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	17	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	18	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	19	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	20	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]



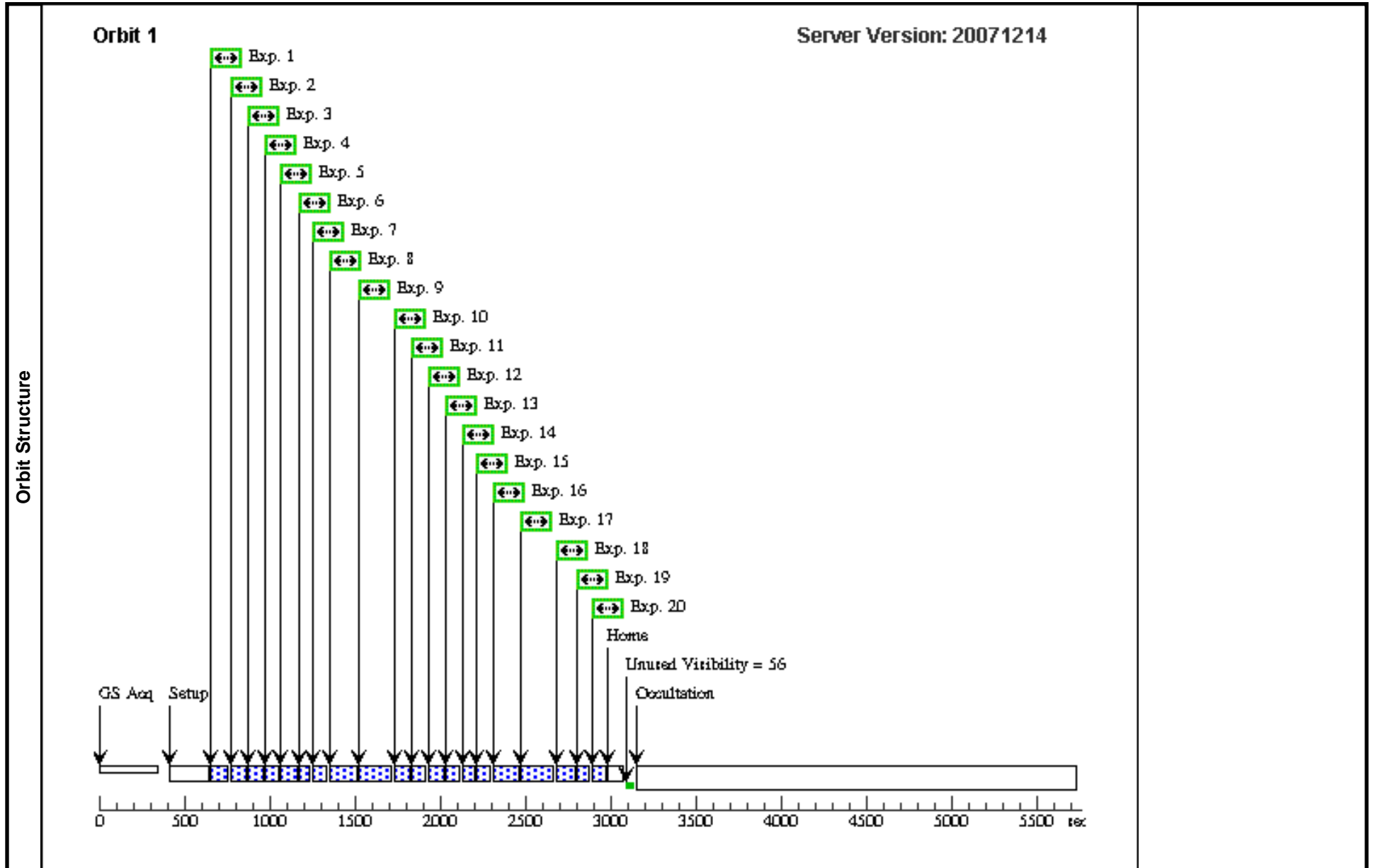
Proposal 11214 - Visit 13 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

Fri Jan 18 09:02:35 GMT 2008

Visit		Proposal 11214, Visit 13								
		Diagnostic Status: No Diagnostics								
		Scientific Instruments: FGS								
		Special Requirements: ORIENT 265.0D TO 265.0 D; BETWEEN 26-APR-2008:00:00:00 AND 01-MAY-2008:00:00:00								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	AU-MIC	RA: 20 45 9.5318 (311.2897158d) Dec: -31 20 27.24 (-31.34090d) Equinox: J2000	Proper Motion RA: 0.021883s/yr Proper Motion Dec: -0.36009"/yr Parallax: 0.1006" Epoch of Position: 2000.0	V=8.61+/-0.1 B = 10.05	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
	(3)	AUMIC-REF1 Alt Name1: S333311099	RA: 20 45 25.3990 (311.3558292d) Dec: -31 20 34.19 (-31.34283d) Equinox: J2000		V=13.8+/-0.1 B=14.14, R=12.94	Reference Frame: ICRS				
	(4)	AUMIC-REF2 Alt Name1: S333311079	RA: 20 45 14.0350 (311.3084792d) Dec: -31 18 21.50 (-31.30597d) Equinox: J2000		V=13.86+/-0.1	Reference Frame: ICRS				
	(5)	AUMIC-REF3 Alt Name1: S333311078	RA: 20 45 10.2070 (311.2925292d) Dec: -31 18 12.82 (-31.30356d) Equinox: J2000		V=14.3+/-0.1 B=14.59, R=13.60	Reference Frame: ICRS				
	(6)	AUMIC-REF4 Alt Name1: S333311095	RA: 20 45 10.5350 (311.2938958d) Dec: -31 19 52.65 (-31.33129d) Equinox: J2000		V=14.73+/-0.1 B=14.91, R=14.19	Reference Frame: ICRS				
	(7)	AUMIC-REF5 Alt Name1: S333311024350	RA: 20 44 55.0020 (311.2291750d) Dec: -31 19 51.63 (-31.33101d) Equinox: J2000		V=15.5+/-0.1	Reference Frame: ICRS				
(8)	AUMIC-REF6 Alt Name1: S33311024296	RA: 20 44 51.4090 (311.2142042d) Dec: -31 20 21.43 (-31.33929d) Equinox: J2000		V=15.9+/-0.1	Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) AU-MIC		FGS, POS, 1	F583W		POS TARG 0.0,40.0	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	2	(3) AUMIC-REF1		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	3	(4) AUMIC-REF2		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	4	(5) AUMIC-REF3		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
5	(6) AUMIC-REF4		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]	

Proposal 11214 - Visit 13 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	6	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	7	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	8	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	9	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	10	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	11	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	12	(4) AUMIC-REF2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	13	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	14	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	15	(6) AUMIC-REF4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	16	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	17	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	18	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	19	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	20	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]



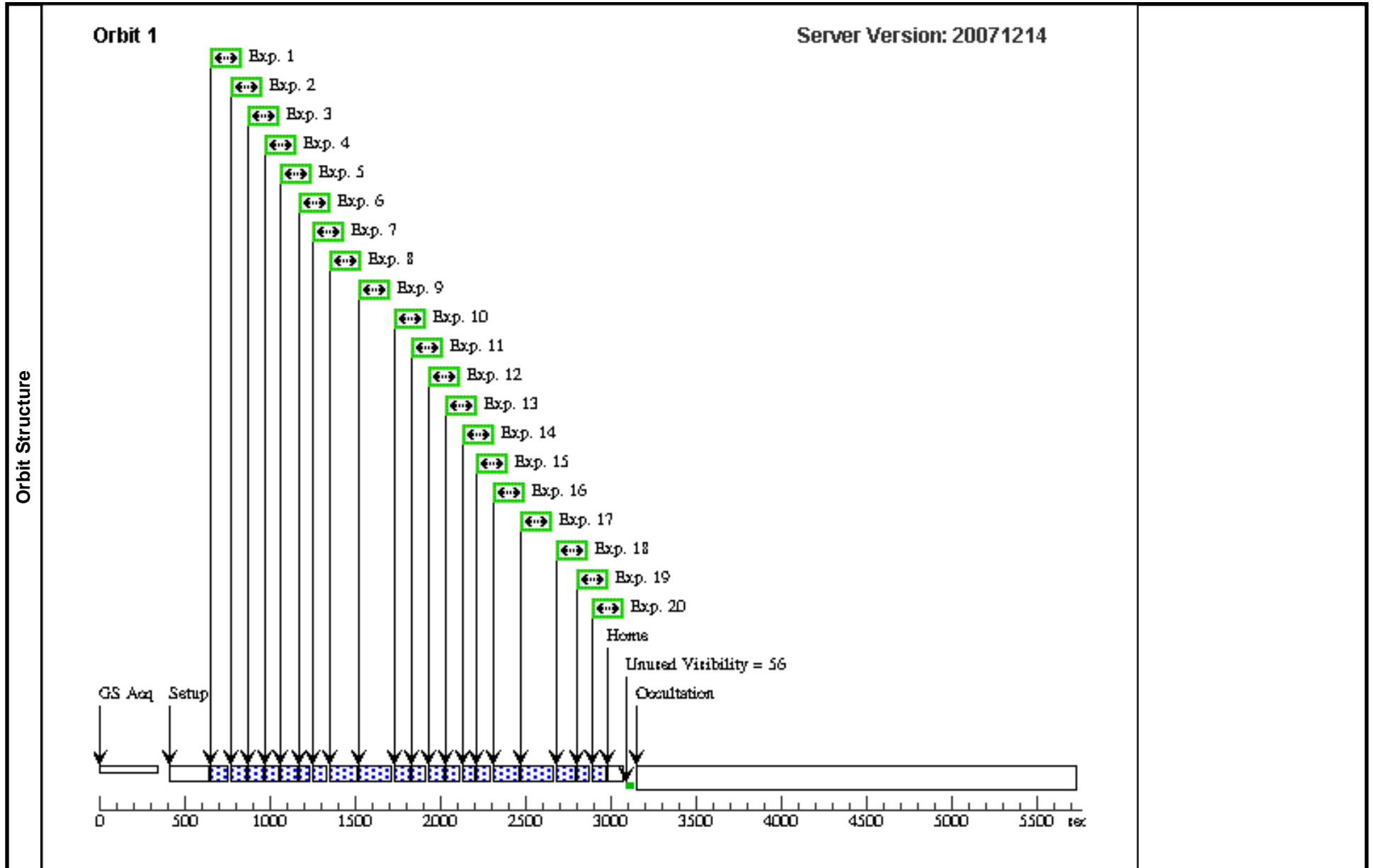
Proposal 11214 - Visit 14 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

Fri Jan 18 09:02:36 GMT 2008

Visit		Proposal 11214, Visit 14								
		Diagnostic Status: No Diagnostics								
		Scientific Instruments: FGS								
		Special Requirements: ORIENT 265.0D TO 265.0 D; BETWEEN 30-MAY-2008:00:00:00 AND 15-JUN-2008:00:00:00								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	AU-MIC	RA: 20 45 9.5318 (311.2897158d) Dec: -31 20 27.24 (-31.34090d) Equinox: J2000	Proper Motion RA: 0.021883s/yr Proper Motion Dec: -0.36009"/yr Parallax: 0.1006" Epoch of Position: 2000.0	V=8.61+/-0.1 B = 10.05	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
	(3)	AUMIC-REF1 Alt Name1: S333311099	RA: 20 45 25.3990 (311.3558292d) Dec: -31 20 34.19 (-31.34283d) Equinox: J2000		V=13.8+/-0.1 B=14.14, R=12.94	Reference Frame: ICRS				
	(4)	AUMIC-REF2 Alt Name1: S333311079	RA: 20 45 14.0350 (311.3084792d) Dec: -31 18 21.50 (-31.30597d) Equinox: J2000		V=13.86+/-0.1	Reference Frame: ICRS				
	(5)	AUMIC-REF3 Alt Name1: S333311078	RA: 20 45 10.2070 (311.2925292d) Dec: -31 18 12.82 (-31.30356d) Equinox: J2000		V=14.3+/-0.1 B=14.59, R=13.60	Reference Frame: ICRS				
	(6)	AUMIC-REF4 Alt Name1: S333311095	RA: 20 45 10.5350 (311.2938958d) Dec: -31 19 52.65 (-31.33129d) Equinox: J2000		V=14.73+/-0.1 B=14.91, R=14.19	Reference Frame: ICRS				
	(7)	AUMIC-REF5 Alt Name1: S333311024350	RA: 20 44 55.0020 (311.2291750d) Dec: -31 19 51.63 (-31.33101d) Equinox: J2000		V=15.5+/-0.1	Reference Frame: ICRS				
(8)	AUMIC-REF6 Alt Name1: S33311024296	RA: 20 44 51.4090 (311.2142042d) Dec: -31 20 21.43 (-31.33929d) Equinox: J2000		V=15.9+/-0.1	Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) AU-MIC		FGS, POS, 1	F583W		POS TARG 0.0,40.0	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	2	(3) AUMIC-REF1		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	3	(4) AUMIC-REF2		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	4	(5) AUMIC-REF3		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	5	(6) AUMIC-REF4		FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]

Proposal 11214 - Visit 14 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	6	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	7	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	8	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	9	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	10	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	11	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	12	(4) AUMIC-REF2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	13	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	14	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	15	(6) AUMIC-REF4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	16	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	17	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	18	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	19	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	20	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]



Proposal 11214 - Visit 15 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

Fri Jan 18 09:02:37 GMT 2008

Visit		Proposal 11214, Visit 15									
		Diagnostic Status: No Diagnostics									
		Scientific Instruments: FGS									
		Special Requirements: ORIENT 265.0D TO 265.0 D; BETWEEN 10-JUL-2008:00:00:00 AND 13-JUL-2008:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	AU-MIC	RA: 20 45 9.5318 (311.2897158d) Dec: -31 20 27.24 (-31.34090d) Equinox: J2000	Proper Motion RA: 0.021883s/yr Proper Motion Dec: -0.36009"/yr Parallax: 0.1006" Epoch of Position: 2000.0	V=8.61+/-0.1 B = 10.05	Reference Frame: ICRS					
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
	(3)	AUMIC-REF1 Alt Name1: S333311099	RA: 20 45 25.3990 (311.3558292d) Dec: -31 20 34.19 (-31.34283d) Equinox: J2000		V=13.8+/-0.1 B=14.14, R=12.94	Reference Frame: ICRS					
	(4)	AUMIC-REF2 Alt Name1: S333311079	RA: 20 45 14.0350 (311.3084792d) Dec: -31 18 21.50 (-31.30597d) Equinox: J2000		V=13.86+/-0.1	Reference Frame: ICRS					
	(5)	AUMIC-REF3 Alt Name1: S333311078	RA: 20 45 10.2070 (311.2925292d) Dec: -31 18 12.82 (-31.30356d) Equinox: J2000		V=14.3+/-0.1 B=14.59, R=13.60	Reference Frame: ICRS					
	(6)	AUMIC-REF4 Alt Name1: S333311095	RA: 20 45 10.5350 (311.2938958d) Dec: -31 19 52.65 (-31.33129d) Equinox: J2000		V=14.73+/-0.1 B=14.91, R=14.19	Reference Frame: ICRS					
	(7)	AUMIC-REF5 Alt Name1: S333311024350	RA: 20 44 55.0020 (311.2291750d) Dec: -31 19 51.63 (-31.33101d) Equinox: J2000		V=15.5+/-0.1	Reference Frame: ICRS					
(8)	AUMIC-REF6 Alt Name1: S33311024296	RA: 20 44 51.4090 (311.2142042d) Dec: -31 20 21.43 (-31.33929d) Equinox: J2000		V=15.9+/-0.1	Reference Frame: ICRS						
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	(2) AU-MIC	FGS, POS, 1	F583W		POS TARG 0.0,40.0	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]		
	2	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]		
	3	(4) AUMIC-REF2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]		
	4	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]		
	5	(6) AUMIC-REF4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]		

Proposal 11214 - Visit 15 - HST/FGS Astrometric Search for Young Planets Around Beta Pic and AU Mic

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	6	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	7	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	8	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	9	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	10	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	11	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	12	(4) AUMIC-REF2	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	13	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	14	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	15	(6) AUMIC-REF4	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	16	(7) AUMIC-REF5	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	17	(8) AUMIC-REF6	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	18	(5) AUMIC-REF3	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	19	(2) AU-MIC	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]
	20	(3) AUMIC-REF1	FGS, POS, 1	F583W		SAME POS AS 1	Sequence 1-20 Non-Int	15.0 Secs [==>]	[1]

