



## 12563 - Very Low-Mass Pleiades Binaries

Cycle: 19, Proposal Category: GO

(Availability Mode: SUPPORTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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) BRB17	WFC3/UVIS	1	12-Jul-2011 22:23:48.0	yes
02	(2) NPNPL2	WFC3/UVIS	1	12-Jul-2011 22:23:52.0	yes
03	(3) PLIZ31	WFC3/UVIS	1	12-Jul-2011 22:23:55.0	yes
04	(4) BRB21	WFC3/UVIS	1	12-Jul-2011 22:23:58.0	yes
05	(5) PLIZ35	WFC3/UVIS	1	12-Jul-2011 22:24:01.0	yes
06	(6) BRB23	WFC3/UVIS	1	12-Jul-2011 22:24:03.0	yes
07	(7) PLIZ161	WFC3/UVIS	1	12-Jul-2011 22:24:06.0	yes
08	(8) UGCSJ0348+2550	WFC3/UVIS	1	12-Jul-2011 22:24:09.0	yes
09	(9) BRB28	WFC3/UVIS	1	12-Jul-2011 22:24:11.0	yes
10	(10) PLIZ1262	WFC3/UVIS	1	12-Jul-2011 22:24:14.0	yes
11	(11) BRB29	WFC3/UVIS	1	12-Jul-2011 22:24:16.0	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>
12	(12) CFHT-PL-15	WFC3/UVIS	1	12-Jul-2011 22:24:19.0	yes
13	(13) CFHT-PL-16	WFC3/UVIS	1	12-Jul-2011 22:24:21.0	yes

13 Total Orbits Used

## **ABSTRACT**

We propose to advance the understanding of substellar models by developing a homogeneous sample of binaries intermediate between the ages of young star-forming (~few Myr) and field (~few Gyr) populations. We will establish this sample through high-resolution imaging of substellar objects in the Pleiades. The Pleiades is an ideal venue for such a study given its richness, accurate age (130+/-20~Myr), and well-determined distance (120.2+/-1.9 pc). Our sample will more than triple the sample of brown dwarfs observed by HST at the lowest masses (< 0.04 Msun). Combined with previous observations of Pleiades brown dwarfs, we will develop the first large sample of brown dwarf binaries of an intermediate age, which can be used to constrain the binary frequency and separation distribution. Our sample will also set the stage for future dynamical mass measurements in the Pleiades.

## **OBSERVING DESCRIPTION**

This is a binary survey of 13 brown dwarfs in the Pleiades using WFC3/UVIS. Each target requires one orbit to obtain 2 dithered images in each of F814W and F850LP. Dithering order is set by the need to dump the buffer during the longer F814W exposures. Overheads are dominated by CCD readout time, but we choose to keep the full field of UVIS rather than subarraying because the increased field of view may prove useful for absolute astrometry of the binaries in our sample and the gain by subarraying is marginal.

Proposal 12563 - Visit 01 - Very Low-Mass Pleiades Binaries

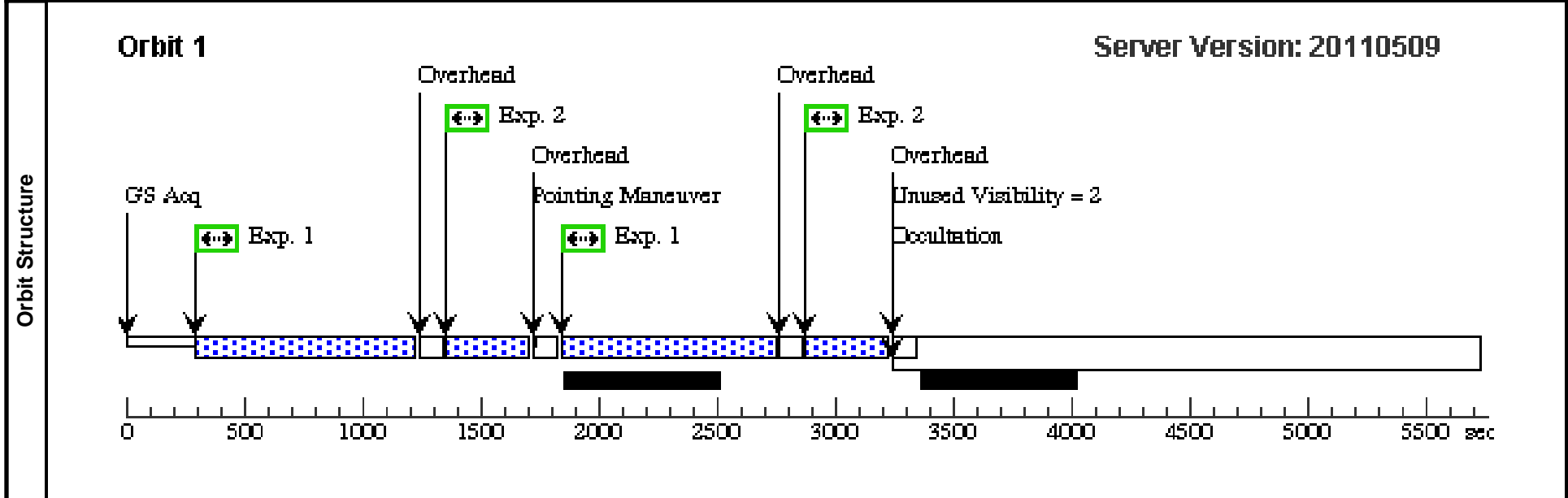
Wed Jul 13 02:24:25 GMT 2011

<b>Visit</b>	<b>Proposal 12563, Visit 01</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	BRB17	RA: 03 54 7.9778 (58.5332408d) Dec: +23 54 27.86 (23.90774d) Equinox: J2000		V=(?) K = 16.03	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F814W	(1) BRB17	WFC3/UVIS, ACCUM, UVIS	F814W			Pattern 1, Exps 1-2 in Visit 01 (1)	900 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	F850LP	(1) BRB17	WFC3/UVIS, ACCUM, UVIS	F850LP			Pattern 1, Exps 1-2 in Visit 01 (1)	340 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12563 - Visit 02 - Very Low-Mass Pleiades Binaries

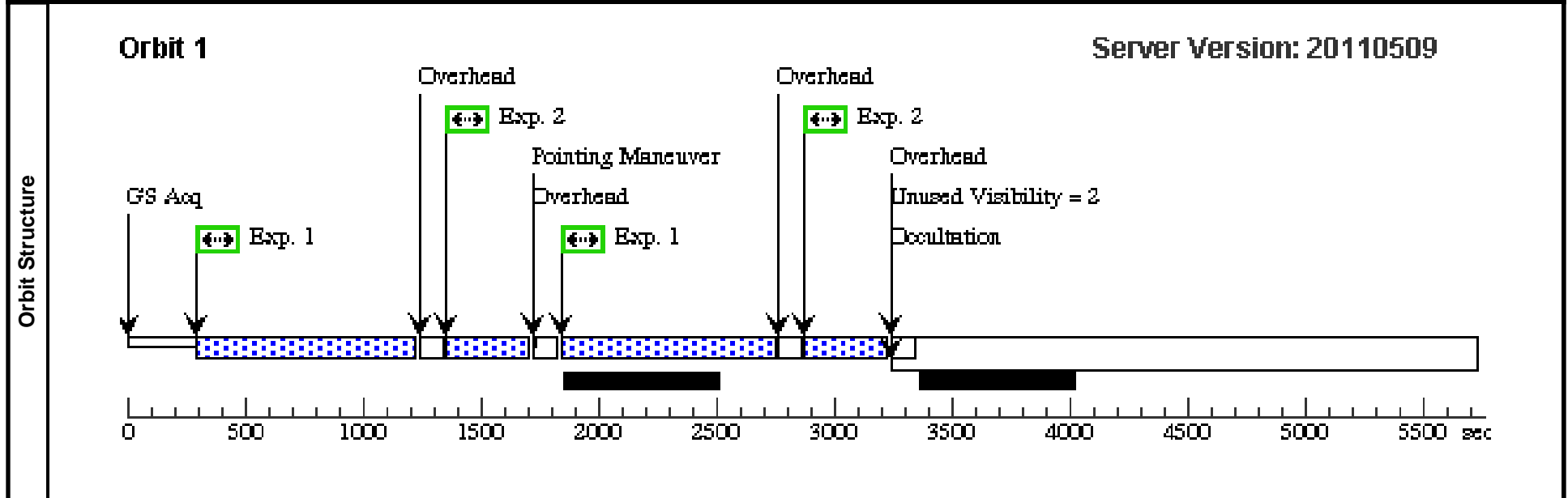
Wed Jul 13 02:24:26 GMT 2011

<b>Visit</b>	<b>Proposal 12563, Visit 02</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	NPPL2	RA: 03 46 34.2569 (56.6427371d) Dec: +23 50 3.73 (23.83437d) Equinox: J2000		V=(?) K = 16.09	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F814W	(2) NPPL2	WFC3/UVIS, ACCUM, UVIS	F814W			Pattern 1, Exps 1-2 in Visit 02 (1)	900 Secs	
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]
2	F850LP	(2) NPPL2	WFC3/UVIS, ACCUM, UVIS	F850LP			Pattern 1, Exps 1-2 in Visit 02 (1)	340 Secs		
								[=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 12563 - Visit 03 - Very Low-Mass Pleiades Binaries

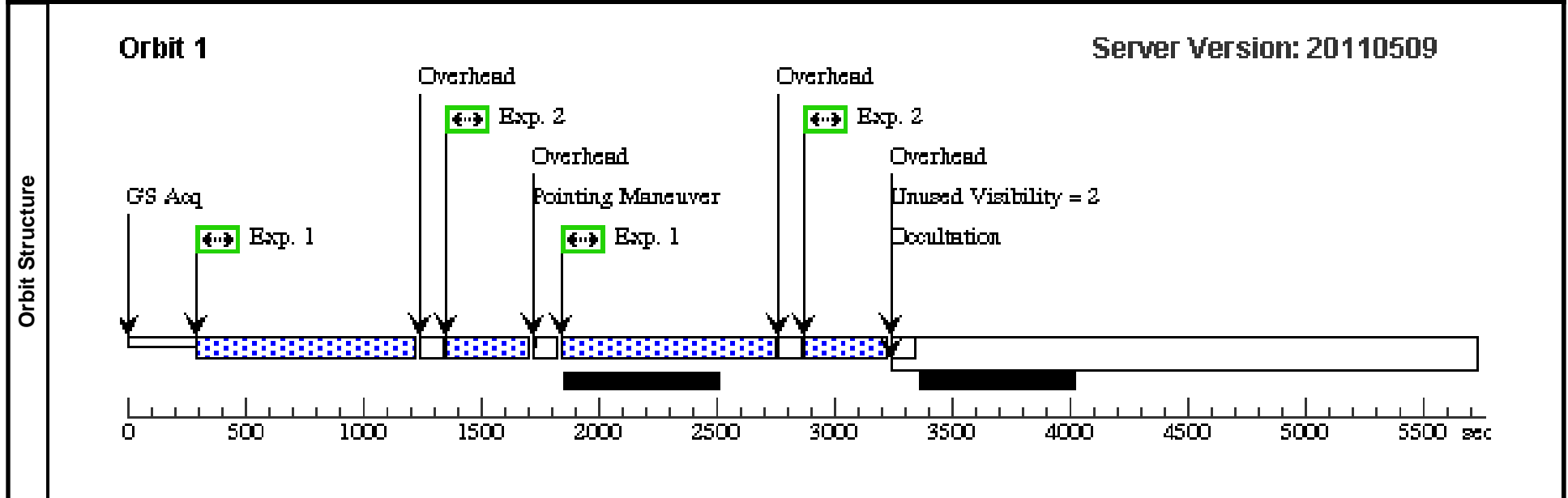
Wed Jul 13 02:24:26 GMT 2011

<b>Visit</b>	Proposal 12563, Visit 03		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	PLIZ31	RA: 03 51 47.6501 (57.9485421d) Dec: +24 39 59.20 (24.66644d) Equinox: J2000		V=(?) K = 16.10	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	F814W	(3) PLIZ31	WFC3/UVIS, ACCUM, UVIS	F814W				Pattern 1, Exps 1-2 in Visit 03 (1)	900 Secs	
										[=>(Pattern 1)] [=>(Pattern 2)]	[1]
2	F850LP	(3) PLIZ31	WFC3/UVIS, ACCUM, UVIS	F850LP				Pattern 1, Exps 1-2 in Visit 03 (1)	340 Secs		
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 12563 - Visit 04 - Very Low-Mass Pleiades Binaries

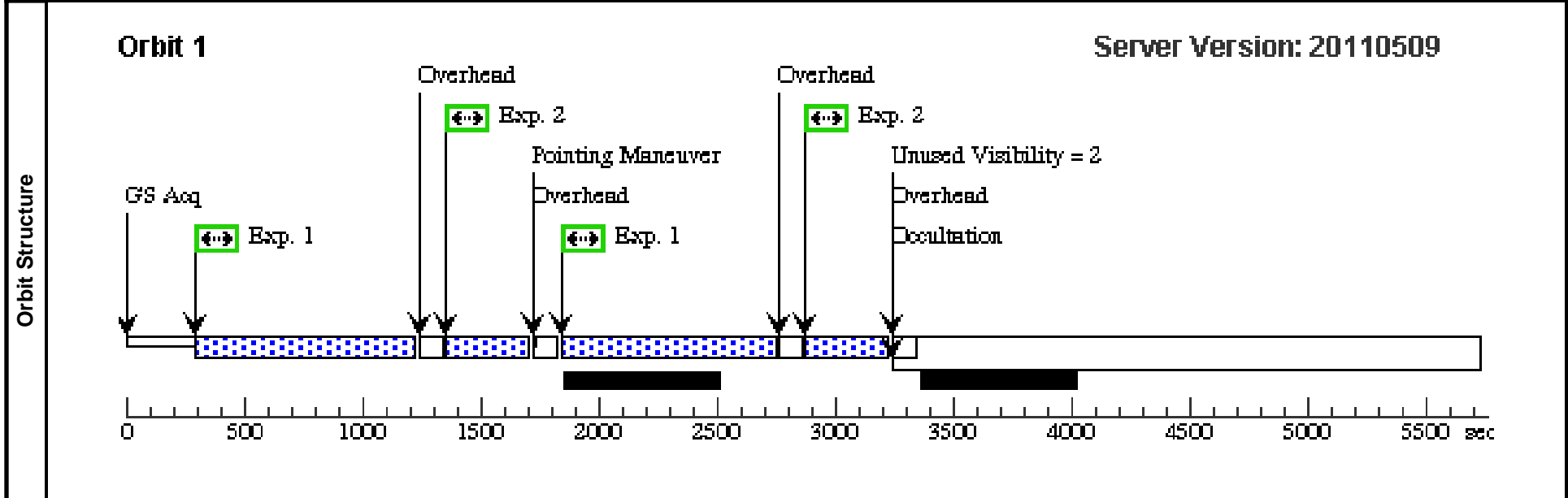
Wed Jul 13 02:24:26 GMT 2011

<b>Visit</b>	<b>Proposal 12563, Visit 04</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	BRB21	RA: 03 54 10.2749 (58.5428121d) Dec: +23 41 40.21 (23.69450d) Equinox: J2000		V=(?) K = 16.39	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F814W	(4) BRB21	WFC3/UVIS, ACCUM, UVIS	F814W			Pattern 1, Exps 1-2 in Visit 04 (1)	900 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	F850LP	(4) BRB21	WFC3/UVIS, ACCUM, UVIS	F850LP			Pattern 1, Exps 1-2 in Visit 04 (1)	340 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12563 - Visit 05 - Very Low-Mass Pleiades Binaries

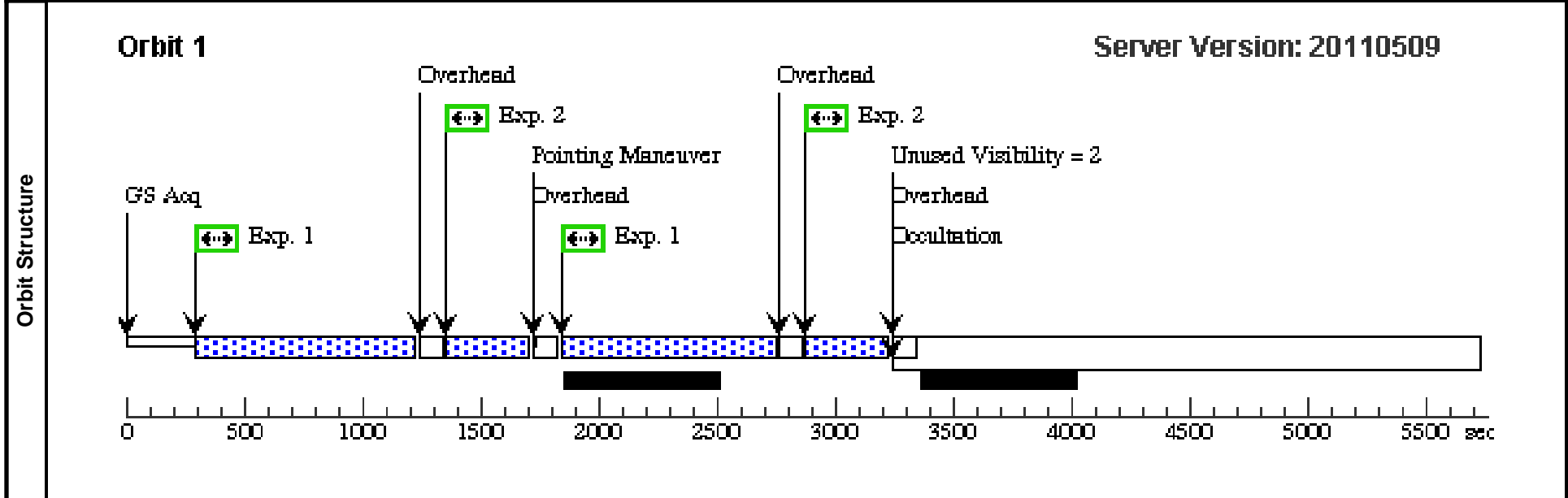
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<b>Visit</b>	<b>Proposal 12563, Visit 05</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	PLIZ35	RA: 03 52 39.1577 (58.1631571d) Dec: +24 46 29.52 (24.77487d) Equinox: J2000		V=(?) K = 16.51	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F814W	(5) PLIZ35	WFC3/UVIS, ACCUM, UVIS	F814W			Pattern 1, Exps 1-2 in Visit 05 (1)	900 Secs	
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	F850LP	(5) PLIZ35	WFC3/UVIS, ACCUM, UVIS	F850LP			Pattern 1, Exps 1-2 in Visit 05 (1)	340 Secs	
								[=>(Pattern 1)] [=>(Pattern 2)]	[1]	

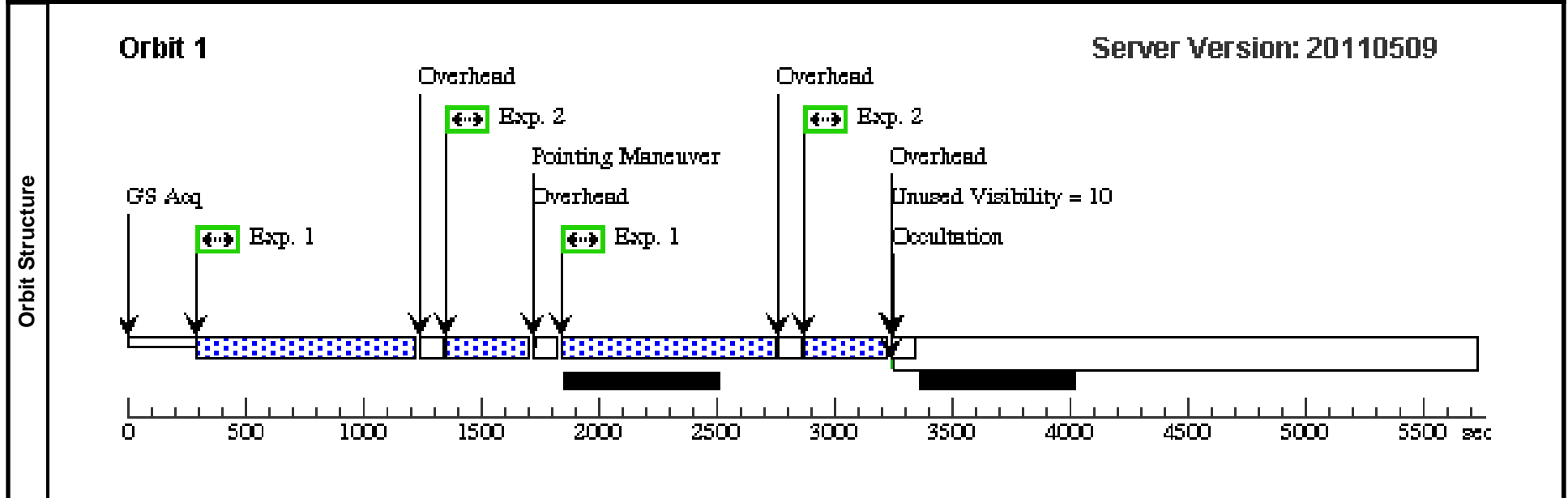


<b>Visit</b>	<b>Proposal 12563, Visit 06</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	BRB23	RA: 03 50 39.5376 (57.6647400d) Dec: +25 02 54.72 (25.04853d) Equinox: J2000		V=(?) K = 16.56	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F814W	(6) BRB23	WFC3/UVIS, ACCUM, UVIS	F814W			Pattern 1, Exps 1-2 in Visit 06 (1)	900 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	F850LP	(6) BRB23	WFC3/UVIS, ACCUM, UVIS	F850LP			Pattern 1, Exps 1-2 in Visit 06 (1)	340 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12563 - Visit 07 - Very Low-Mass Pleiades Binaries

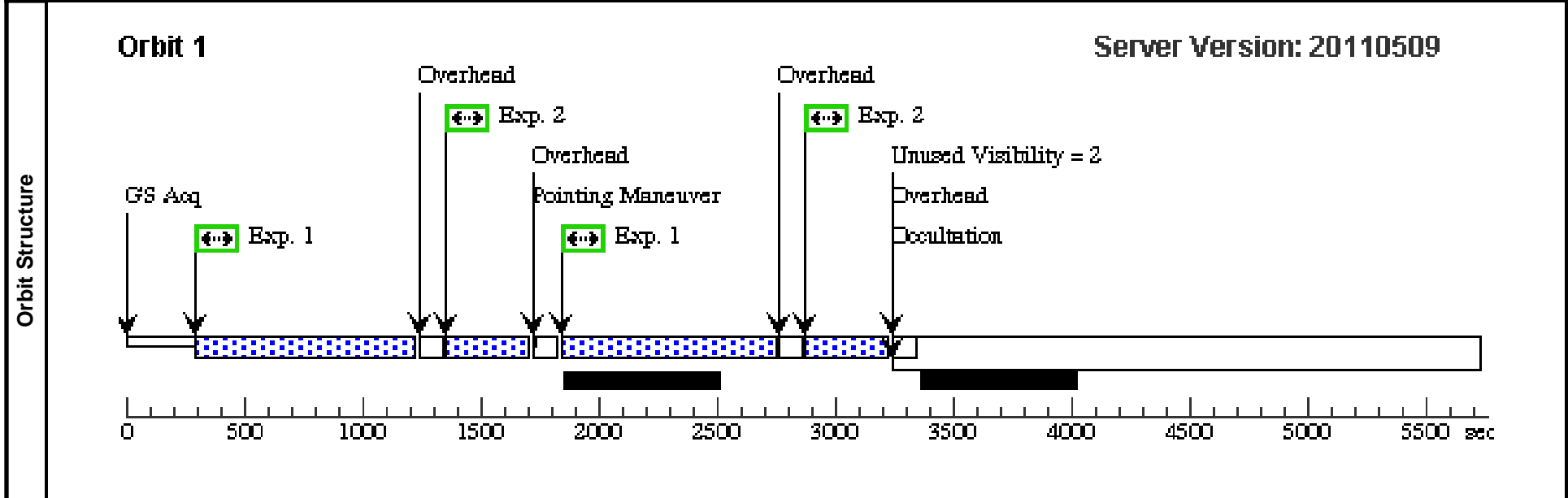
Wed Jul 13 02:24:27 GMT 2011

<b>Visit</b>	Proposal 12563, Visit 07		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	PLIZ161	RA: 03 51 29.4708 (57.8727950d) Dec: +24 00 37.34 (24.01037d) Equinox: J2000		V=(?) K = 16.70	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	F814W	(7) PLIZ161	WFC3/UVIS, ACCUM, UVIS	F814W				Pattern 1, Exps 1-2 in Visit 07 (1)	900 Secs	
										[=>(Pattern 1)] [=>(Pattern 2)]	[1]
2	F850LP	(7) PLIZ161	WFC3/UVIS, ACCUM, UVIS	F850LP				Pattern 1, Exps 1-2 in Visit 07 (1)	340 Secs		
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]	

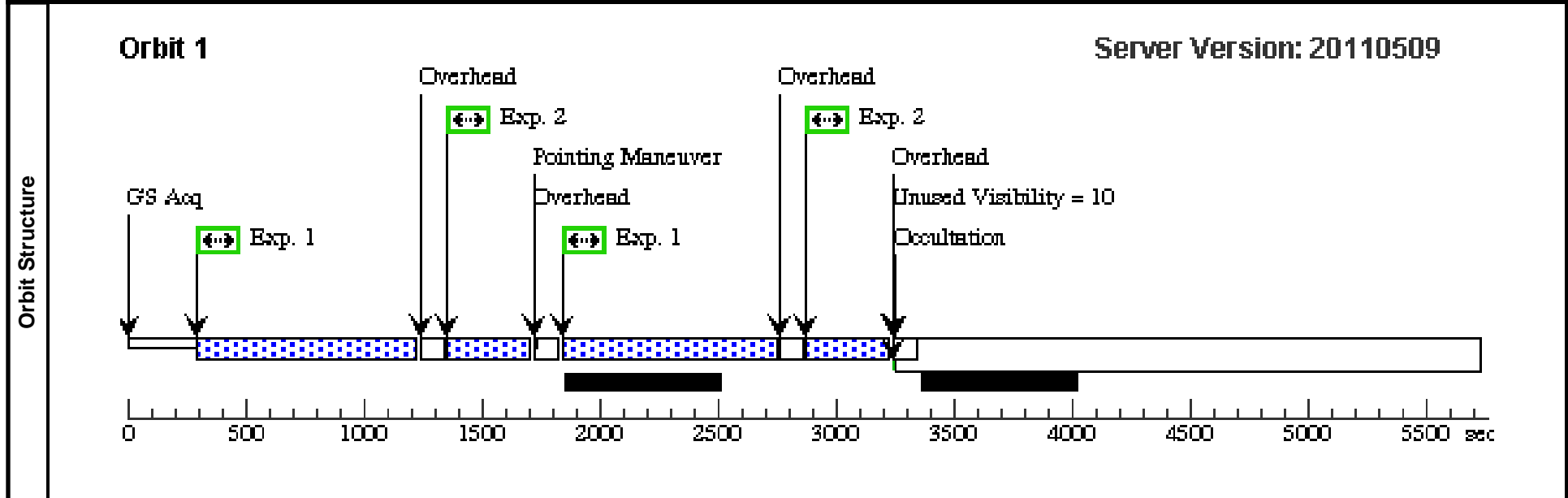


<b>Visit</b>	<b>Proposal 12563, Visit 08</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.145 Line Spacing=		(1-2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	UGCSJ0348+2550	RA: 03 48 15.6314 (57.0651308d) Dec: +25 50 8.94 (25.83582d) Equinox: J2000		V=(?) K = 16.73	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F814W	(8) UGCSJ0348+2550	WFC3/UVIS, ACCUM, UVIS	F814W			Pattern 1, Exps 1-2 in Visit 08 (1)	900 Secs	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	
	2	F850LP	(8) UGCSJ0348+2550	WFC3/UVIS, ACCUM, UVIS	F850LP			Pattern 1, Exps 1-2 in Visit 08 (1)	340 Secs	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	



Proposal 12563 - Visit 09 - Very Low-Mass Pleiades Binaries

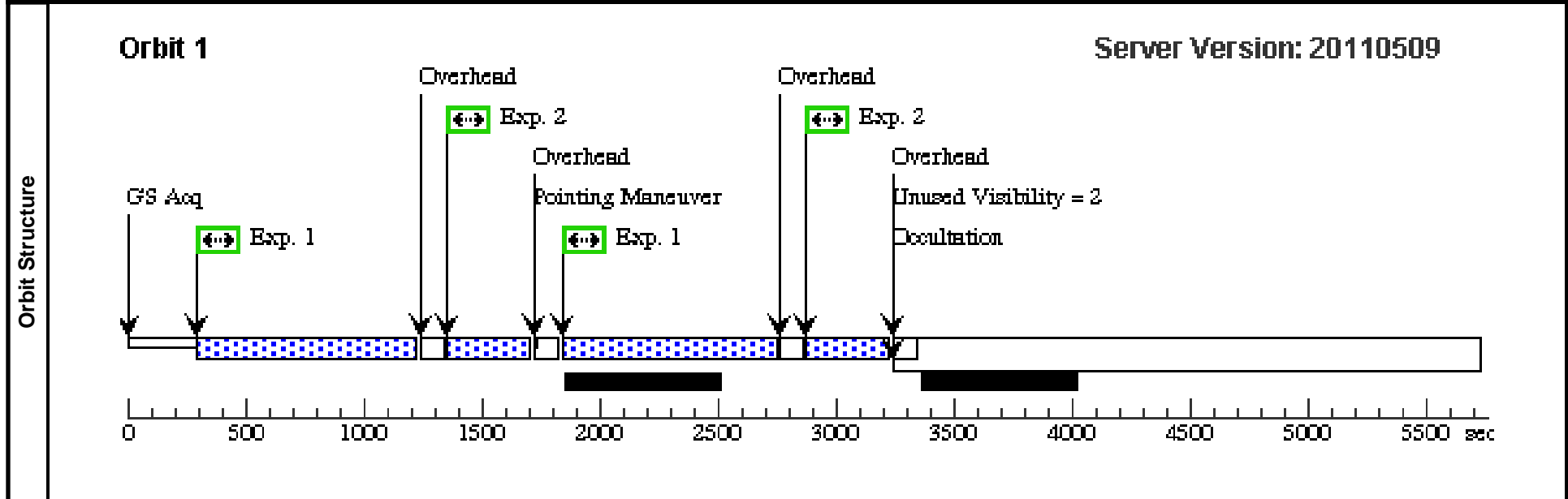
Wed Jul 13 02:24:28 GMT 2011

<b>Visit</b>	<b>Proposal 12563, Visit 09</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	BRB28	RA: 03 52 54.8981 (58.2287421d) Dec: +24 37 18.15 (24.62171d) Equinox: J2000		V=(?) K = 16.93	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	F814W	(9) BRB28	WFC3/UVIS, ACCUM, UVIS	F814W				Pattern 1, Exps 1-2 in Visit 09 (1)	900 Secs	
										[=>(Pattern 1)] [=>(Pattern 2)]	[1]
2	F850LP	(9) BRB28	WFC3/UVIS, ACCUM, UVIS	F850LP				Pattern 1, Exps 1-2 in Visit 09 (1)	340 Secs		
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 12563 - Visit 10 - Very Low-Mass Pleiades Binaries

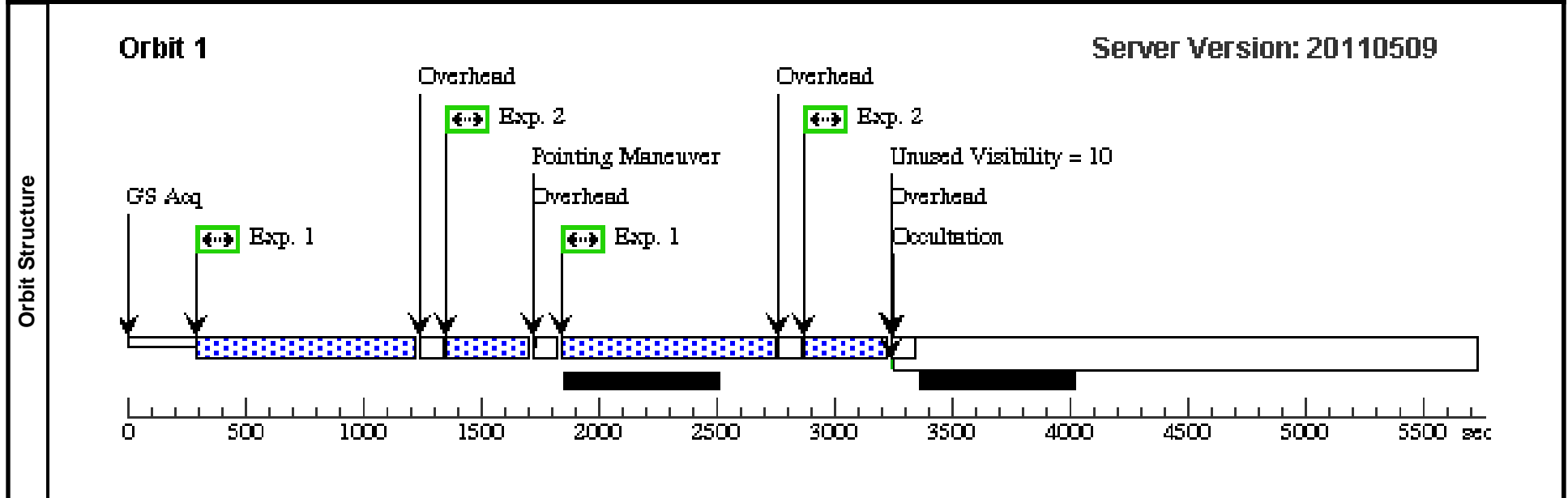
Wed Jul 13 02:24:28 GMT 2011

<b>Visit</b>	<b>Proposal 12563, Visit 10</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	PLIZ1262	RA: 03 44 27.2700 (56.1136250d) Dec: +25 44 42.00 (25.74500d) Equinox: J2000		V=(?) K = 16.97	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F814W	(10) PLIZ1262	WFC3/UVIS, ACCUM, UVIS	F814W			Pattern 1, Exps 1-2 in Visit 10 (1)	900 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	F850LP	(10) PLIZ1262	WFC3/UVIS, ACCUM, UVIS	F850LP			Pattern 1, Exps 1-2 in Visit 10 (1)	340 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 12563 - Visit 11 - Very Low-Mass Pleiades Binaries

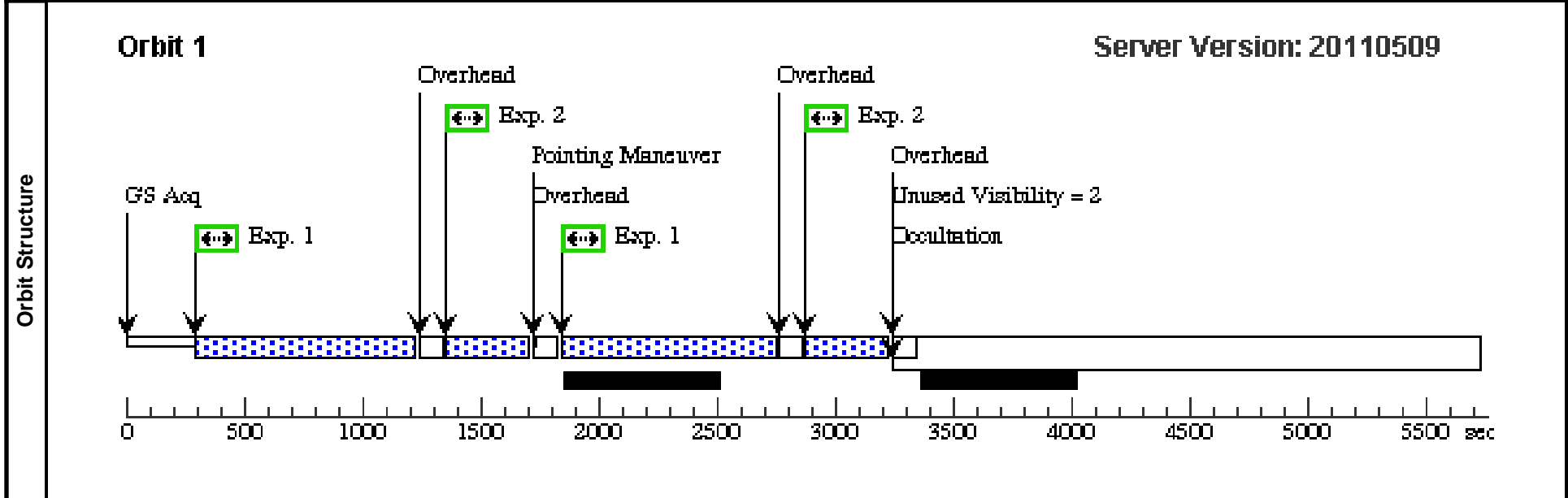
Wed Jul 13 02:24:28 GMT 2011

<b>Visit</b>	<b>Proposal 12563, Visit 11</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	BRB29	RA: 03 54 1.4287 (58.5059529d) Dec: +23 49 57.71 (23.83270d) Equinox: J2000		V=(?) K = 17.00	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	F814W	(11) BRB29	WFC3/UVIS, ACCUM, UVIS	F814W				Pattern 1, Exps 1-2 in Visit 11 (1)	900 Secs	
										[=>(Pattern 1)] [=>(Pattern 2)]	[1]
2	F850LP	(11) BRB29	WFC3/UVIS, ACCUM, UVIS	F850LP				Pattern 1, Exps 1-2 in Visit 11 (1)	340 Secs		
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 12563 - Visit 12 - Very Low-Mass Pleiades Binaries

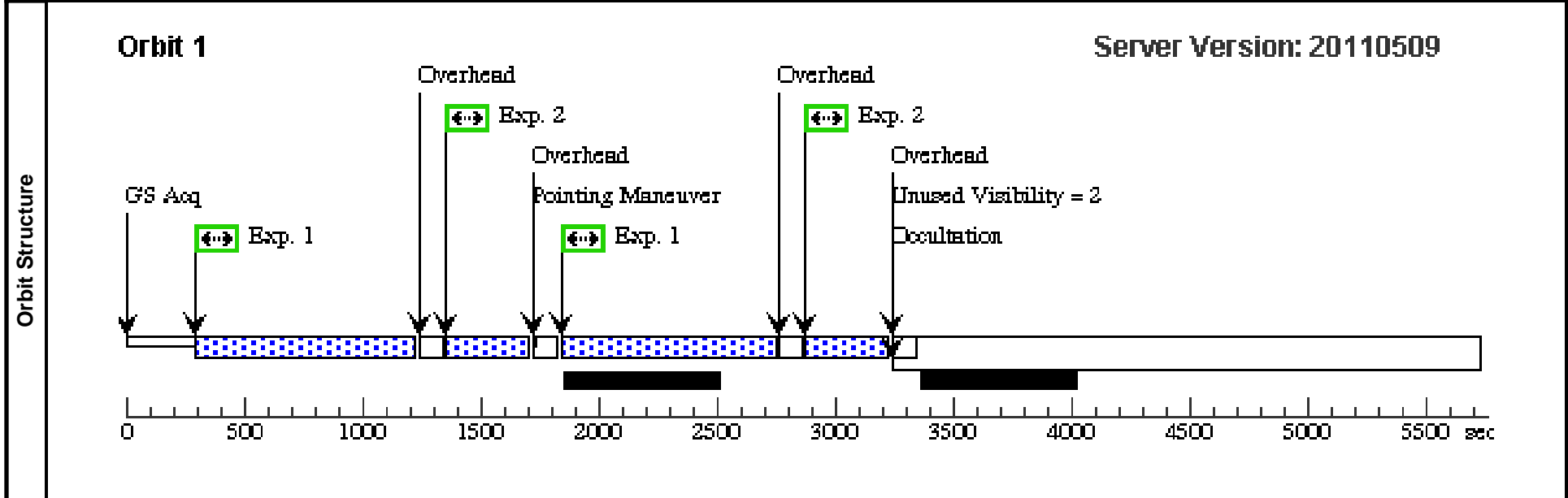
Wed Jul 13 02:24:29 GMT 2011

<b>Visit</b>	Proposal 12563, Visit 12		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: PCS MODE FINE		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	CFHT-PL-15	RA: 03 55 12.4999 (58.8020829d) Dec: +23 17 38.00 (23.29389d) Equinox: J2000		V=(?) K = 14.84	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	F814W	(12) CFHT-PL-15	WFC3/UVIS, ACCUM, UVIS	F814W				Pattern 1, Exps 1-2 in Visit 12 (1)	900 Secs	
										[=>(Pattern 1)] [=>(Pattern 2)]	[1]
2	F850LP	(12) CFHT-PL-15	WFC3/UVIS, ACCUM, UVIS	F850LP				Pattern 1, Exps 1-2 in Visit 12 (1)	340 Secs		
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 12563 - Visit 13 - Very Low-Mass Pleiades Binaries

Wed Jul 13 02:24:29 GMT 2011

<b>Visit</b>	<b>Proposal 12563, Visit 13</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE		
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<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(13)	CFHT-PL-16	RA: 03 44 35.2001 (56.1466671d) Dec: +25 13 41.60 (25.22822d) Equinox: J2000		V=(?) K = 14.45	Reference Frame: ICRS

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F814W	(13) CFHT-PL-16	WFC3/UVIS, ACCUM, UVIS	F814W			Pattern 1, Exps 1-2 in Visit 13 (1)	900 Secs	
									[=>(Pattern 1)] [=>(Pattern 2)]	[1]
2	F850LP	(13) CFHT-PL-16	WFC3/UVIS, ACCUM, UVIS	F850LP			Pattern 1, Exps 1-2 in Visit 13 (1)	340 Secs		
								[=>(Pattern 1)] [=>(Pattern 2)]	[1]	

