



15201 - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y Brown Dwarfs

Cycle: 25, 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) W0005+3737	WFC3/IR	1	10-Jun-2019 10:00:17.0	yes
02	(2) W0015-4615	WFC3/IR	1	10-Jun-2019 10:00:18.0	yes
03	(3) W0032-4946	WFC3/IR	1	10-Jun-2019 10:00:20.0	yes
04	(4) W0038+2758	WFC3/IR	1	10-Jun-2019 10:00:21.0	yes
05	(5) W0049+2151	WFC3/IR	1	10-Jun-2019 10:00:22.0	yes
06	(6) CFBDSJ0133+0231	WFC3/IR	1	10-Jun-2019 10:00:23.0	yes
07	(7) W0325-3854	WFC3/IR	1	10-Jun-2019 10:00:24.0	yes
08	(8) W0325-5044	WFC3/IR	1	10-Jun-2019 10:00:25.0	yes

Proposal 15201 (STScI Edit Number: 4, Created: Monday, June 10, 2019 at 9:00:56 AM Eastern Standard Time) - 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>
09	(9) W0350-5658	WFC3/IR	1	10-Jun-2019 10:00:26.0	yes
10	(10) W0359-5401	WFC3/IR	1	10-Jun-2019 10:00:28.0	yes
11	(11) W0404-6420	WFC3/IR	1	10-Jun-2019 10:00:29.0	yes
12	(12) W0410+1502	WFC3/IR	1	10-Jun-2019 10:00:30.0	yes
13	(13) W0413-4750	WFC3/IR	1	10-Jun-2019 10:00:31.0	yes
14	(14) W0744+5628	WFC3/IR	1	10-Jun-2019 10:00:32.0	yes
64	(14) W0744+5628	WFC3/IR	1	10-Jun-2019 10:00:33.0	yes
15	(15) W0811-8051	WFC3/IR	1	10-Jun-2019 10:00:35.0	yes
16	(16) W0812+4021	WFC3/IR	1	10-Jun-2019 10:00:36.0	yes
17	(17) W0857+5604	WFC3/IR	1	10-Jun-2019 10:00:37.0	yes
18	(18) W0943+3607	WFC3/IR	1	10-Jun-2019 10:00:38.0	yes
19	(19) W1051-2138	WFC3/IR	1	10-Jun-2019 10:00:39.0	yes
69	(19) W1051-2138	WFC3/IR	1	10-Jun-2019 10:00:40.0	yes
20	(20) W1206+8401	WFC3/IR	1	10-Jun-2019 10:00:41.0	yes
21	(21) W1318-1758	WFC3/IR	1	10-Jun-2019 10:00:42.0	yes
71	(21) W1318-1758	WFC3/IR	1	10-Jun-2019 10:00:43.0	yes
22	(22) W1541-2250	WFC3/IR	1	10-Jun-2019 10:00:44.0	yes
23	(23) W1639-6847	WFC3/IR	1	10-Jun-2019 10:00:45.0	yes
24	(24) W1738+2732	WFC3/IR	1	10-Jun-2019 10:00:46.0	yes
25	(25) W2019-1148	WFC3/IR	1	10-Jun-2019 10:00:47.0	yes
26	(26) W2056+1459	WFC3/IR	1	10-Jun-2019 10:00:49.0	yes
27	(27) W2102-4429	WFC3/IR	1	10-Jun-2019 10:00:50.0	yes
28	(28) W2212-6931	WFC3/IR	1	10-Jun-2019 10:00:51.0	yes
29	(29) W2255-3118	WFC3/IR	1	10-Jun-2019 10:00:52.0	yes
30	(30) W2313-8037	WFC3/IR	1	10-Jun-2019 10:00:53.0	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>
31	(31) W2325-4105	WFC3/IR	1	10-Jun-2019 10:00:54.0	yes
32	(32) W2332-4325	WFC3/IR	1	10-Jun-2019 10:00:55.0	yes
33	(33) W2354+0240	WFC3/IR	1	10-Jun-2019 10:00:56.0	yes

36 Total Orbits Used

ABSTRACT

We propose to obtain WFC3/IR imaging of the very coolest brown dwarfs ($T < 800$ K) to search for substellar and planetary-mass companions to these objects. Companions discovered by this program would likely be analogues of the ~ 250 K brown dwarf WISE 0855 and would provide vital benchmark objects for theoretical models, closing the gap in mass and temperature between brown dwarfs and planets. Finding such an object as a member of a binary system would be even more valuable as it would allow for the measurement of dynamical masses. We recently placed the first constraints to date on the binary frequency for brown dwarfs with spectral types $>T8$. This program will triple our current sample size, a requirement in order to confirm our current results and compare substellar binary properties for various spectral type and age populations. The WFC3/IR plate will allow us to probe near equal-mass binaries down to separations of $0.2''$ ($2-3$ AU for the typical distances of our targets). True cool companions should show strong absorption around $1.4 \mu\text{m}$ as a result of the deep water absorption band observed at that wavelength in substellar spectra. We therefore propose observations in the WFC3 F127M and F139M filters which will allow us to robustly identify bona fide candidates and distinguish them from background stars based on this spectral feature. Most of our targets lack suitable NGS AO guide stars or LGS AO tip-tilt stars to be observed with ground-based telescopes, and the $1.4 \mu\text{m}$ water band is often unobservable from the ground due to telluric water absorption. WFC3 on HST is thus the only instrument suitable for these observations.

OBSERVING DESCRIPTION

We propose to obtain WFC3 IR channel imaging for a sample of 33 ultra cool field brown dwarfs with spectral types $>T8$. High contrasts are not necessary for this survey as these objects are already intrinsically faint and any likely detectable companion will be near equal magnitude (i.e. potential companions will not have magnitude differences greater than 2-3, realistically.) While the WFC3/IR channel has a coarse plate-scale of $0.13''$, this should not affect our science goals as our sample has typical estimated distances of 10-15 pc, affording us excellent physical resolution. With the under-sampled WFC3 PSF, we should be able to detect near equal-mass binaries down to separations of $\sim 0.2''$, corresponding to separations of 1-4 AU. Any candidate within $1''$ is very likely to be a true companion.

Proposal 15201 (STScI Edit Number: 4, Created: Monday, June 10, 2019 at 9:00:56 AM Eastern Standard Time) - Overview

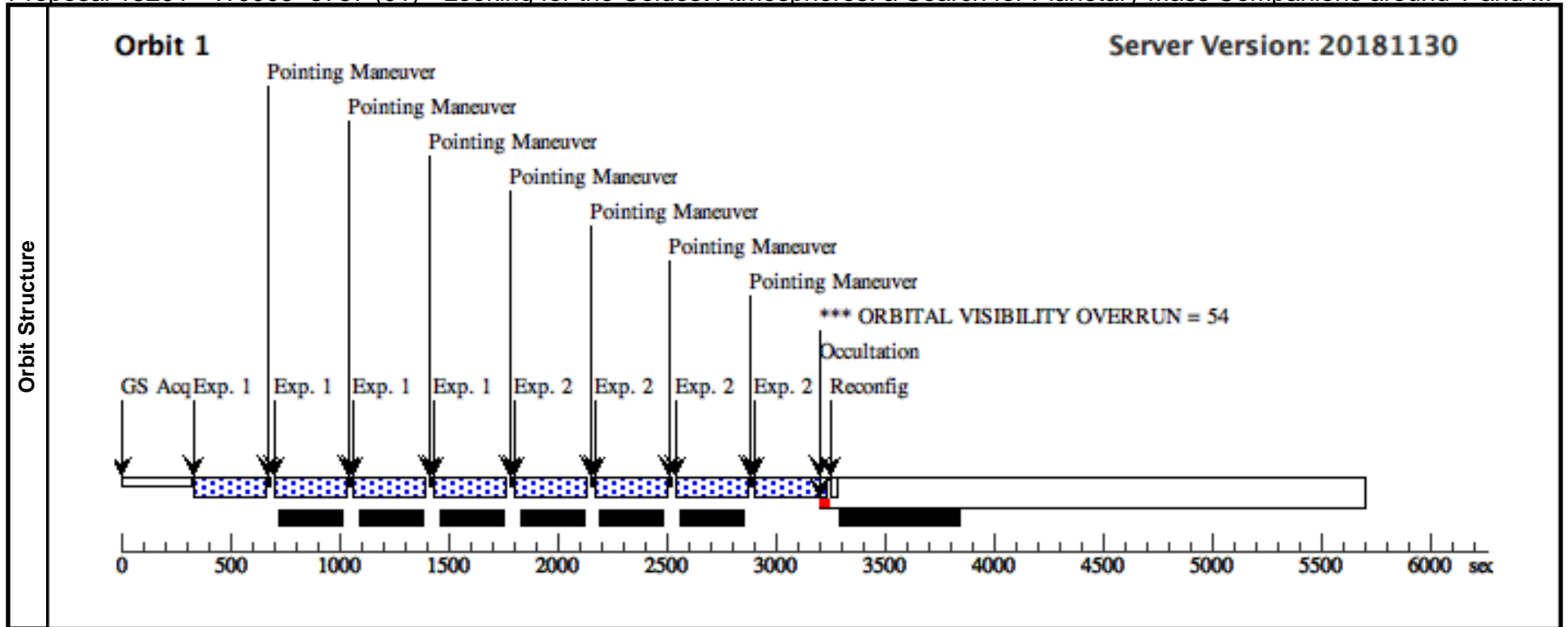
In order to clearly distinguish cool substellar/planetary-mass companions from background stars, we propose observations in the F127M and F139M filters. A true cool companion will be considerably brighter in F127M relative to F139M due to a deep water absorption feature at 1.4 μm . On the other hand, a background star should be comparably bright in both filters. Thus F139M-F127M colours can be used to determine if a candidate is indeed substellar. Use of WFC3's capability to image in the F139M water filter is essential for this work, as this will allow us to clearly distinguish between true substellar companions and background stars. WFC3 on HST is the only available instrument capable of observing reliably in both of these filters, since the bandpass of the water filter is often unobservable from the ground due to telluric water absorption. Additionally, more than half of our sample is unobservable from the ground due to the lack of suitable NGS AO guide stars or LGS AO tip-tilt stars.

For each target we thus request 1 orbit for deep imaging in the F127M and F139M bands. We will use box dithering patterns to allow removal of hot pixels and improve sampling of the PSF. Taking four dither positions in the two filters with exposure times of 300s each will take about 51 minutes (including integration time and overheads) which fits nicely into the predicted 54 minute visibility period for our targets. Since our targets are intrinsically faint, we do not expect any of our science targets to saturate in this exposure time.

Proposal 15201 - W0005+3737 (01) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:56 GMT 2019

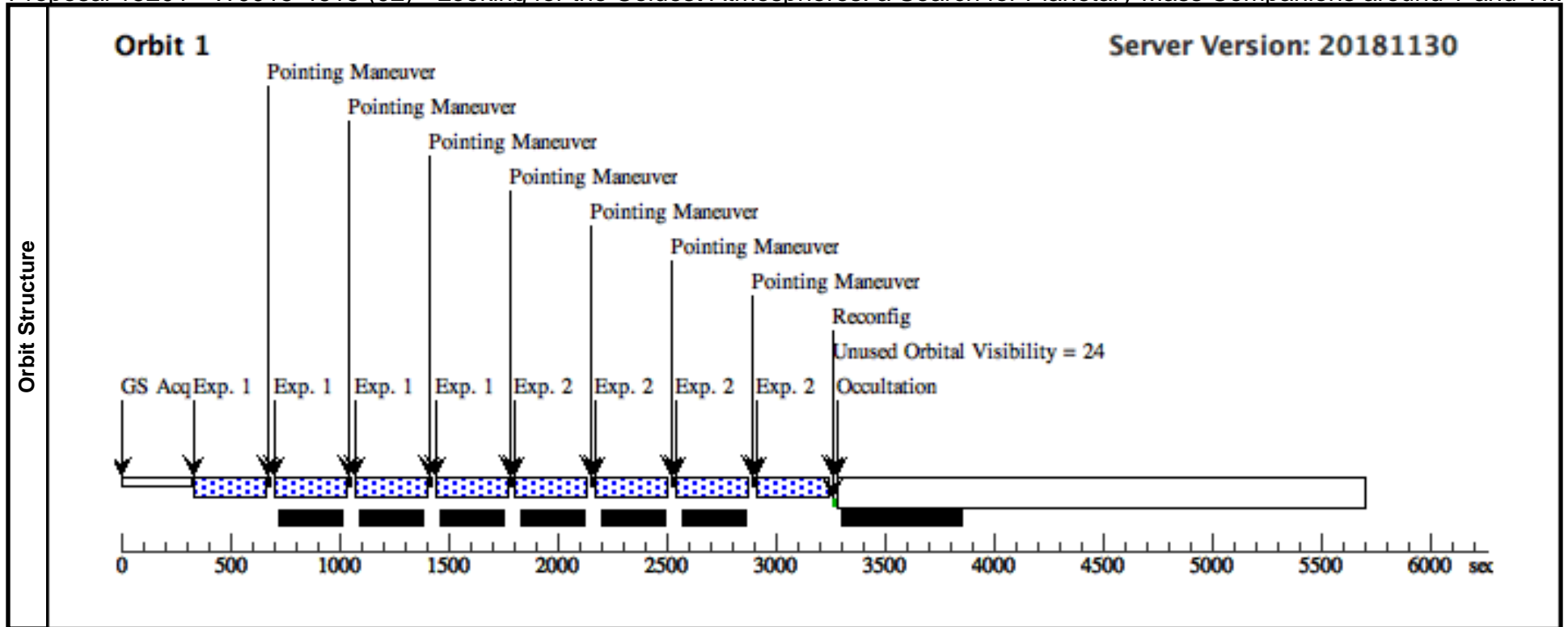
Visit	Proposal 15201, W0005+3737 (01), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 77D TO 83 D; ORIENT 257D TO 263 D									
	(W0005+3737 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(6)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2.5 Line Spacing=2.5	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	W0005+3737 Alt Name1: WISEJ000517.48+373720.5	RA: 00 05 17.4800 (1.3228333d) Dec: +37 37 20.50 (37.62236d) Equinox: J2000		V=(?) J=18.33	Reference Frame: ICRS				
Comments: T9 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) W0005+3737	(1) W0005+3737	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25			Pattern 6, Exps 1-1 in W0005+3737 (01) (6)	302.938471 Secs (1211.754 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]
2	(1) W0005+3737	(1) W0005+3737	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25		POS TARG 1,1	Pattern 6, Exps 2-2 in W0005+3737 (01) (6)	302.938471 Secs (1211.754 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 15201 - W0015-4615 (02) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:57 GMT 2019

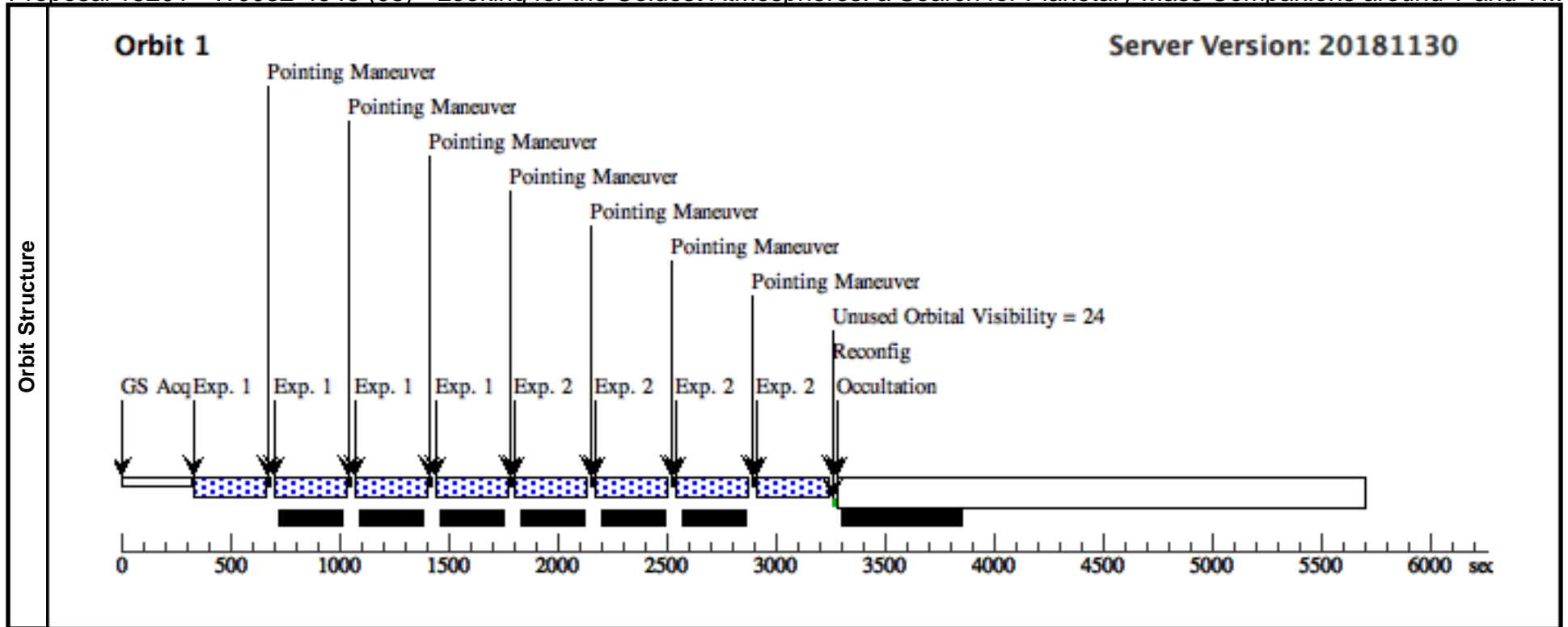
Visit	Proposal 15201, W0015-4615 (02), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 4D TO 10 D; ORIENT 184D TO 190 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	W0015-4615	RA: 00 15 5.8770 (3.7744875d) Dec: -46 15 17.68 (-46.25491d) Equinox: J2000		V=(?) W2=14.25	Reference Frame: ICRS				
	<i>Comments: T8</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) W0015-4615	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25			Pattern 2, Exps 1-1 in W0015-4615 (02) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(2) W0015-4615	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 2, Exps 2-2 in W0015-4615 (02) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W0032-4946 (03) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:57 GMT 2019

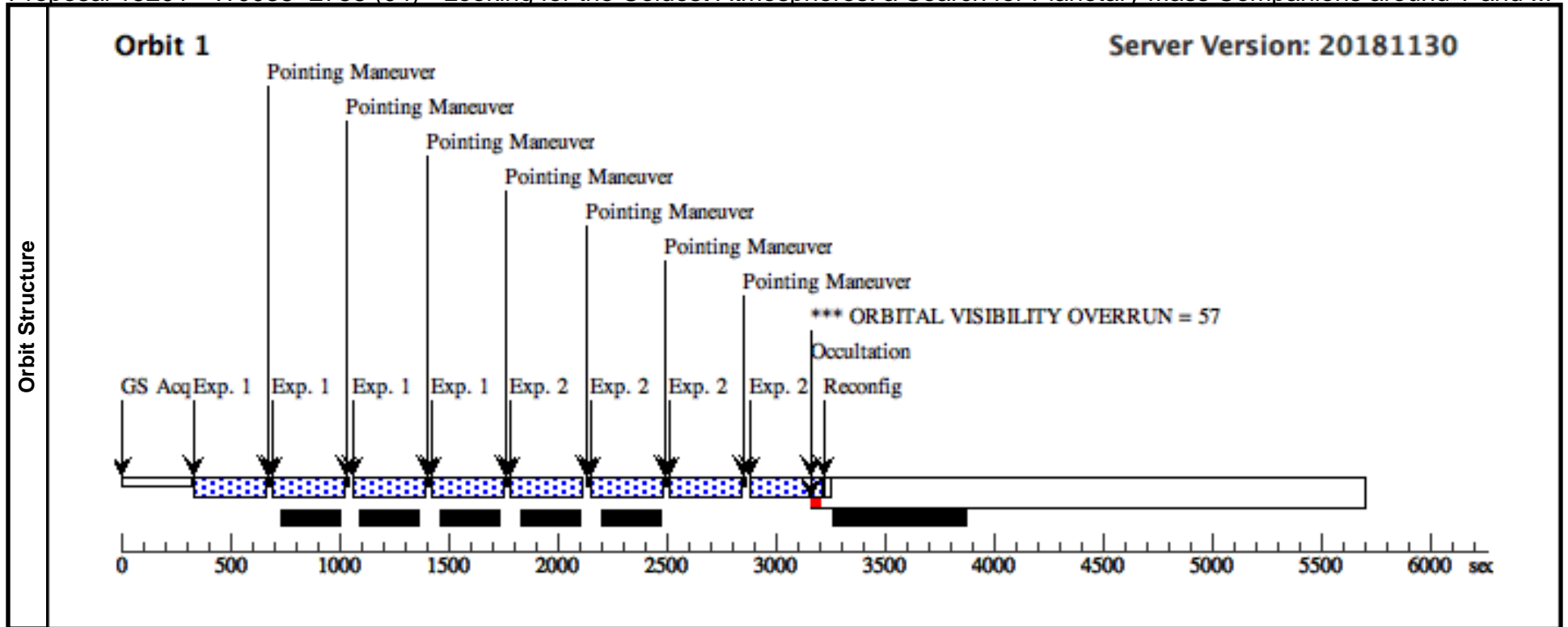
Visit	Proposal 15201, W0032-4946 (03), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	W0032-4946	RA: 00 32 31.0920 (8.1295500d)		V=(?) W2=15.07	Reference Frame: ICRS				
		Alt Name1: WISEJ003231.09-494651.4	Dec: -49 46 51.47 (-49.78096d)	Equinox: J2000						
		<i>Comments: T8.5</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) W0032-4946	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25		Pattern 2, Exps 1-1 in W0032-4946 (03) (2)	302.938471 Secs (1211.754 Secs)	[1]
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		
2		(3) W0032-4946	WFC3/IR, MULTIACCUM, IR	F139M	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1	Pattern 2, Exps 2-2 in W0032-4946 (03) (2)	302.938471 Secs (1211.754 Secs)	[1]
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		



Proposal 15201 - W0038+2758 (04) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:57 GMT 2019

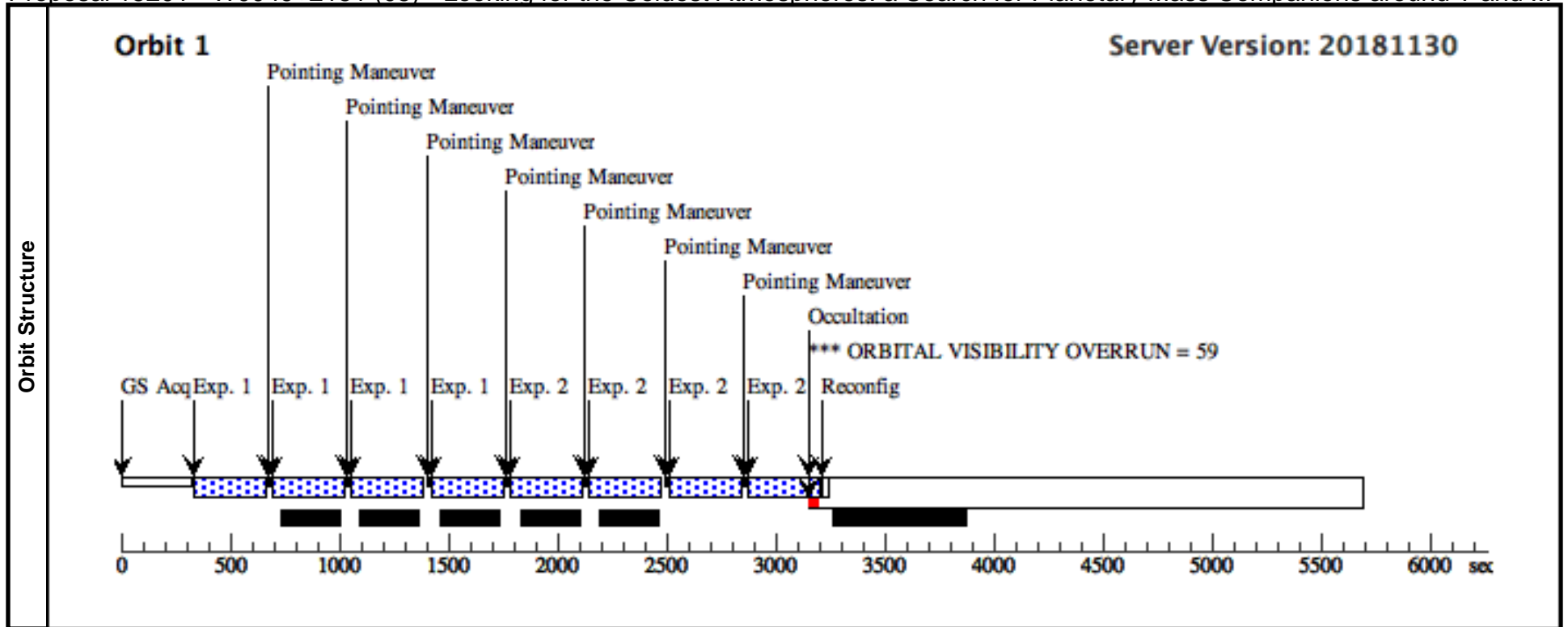
Visit	Proposal 15201, W0038+2758 (04), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(W0038+2758 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(6)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2.5 Line Spacing=2.5	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	W0038+2758 Alt Name1: WISEJ003829.05+275852.1	RA: 00 38 29.0500 (9.6210417d) Dec: +27 58 52.10 (27.98114d) Equinox: J2000		V=(?) J=18.61	Reference Frame: ICRS				
Comments: T9 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) W0038+2758	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0			Pattern 6, Exps 1-1 in W0038+2758 (04) (6)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(4) W0038+2758	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0		POS TARG 1,1	Pattern 6, Exps 2-2 in W0038+2758 (04) (6)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W0049+2151 (05) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:57 GMT 2019

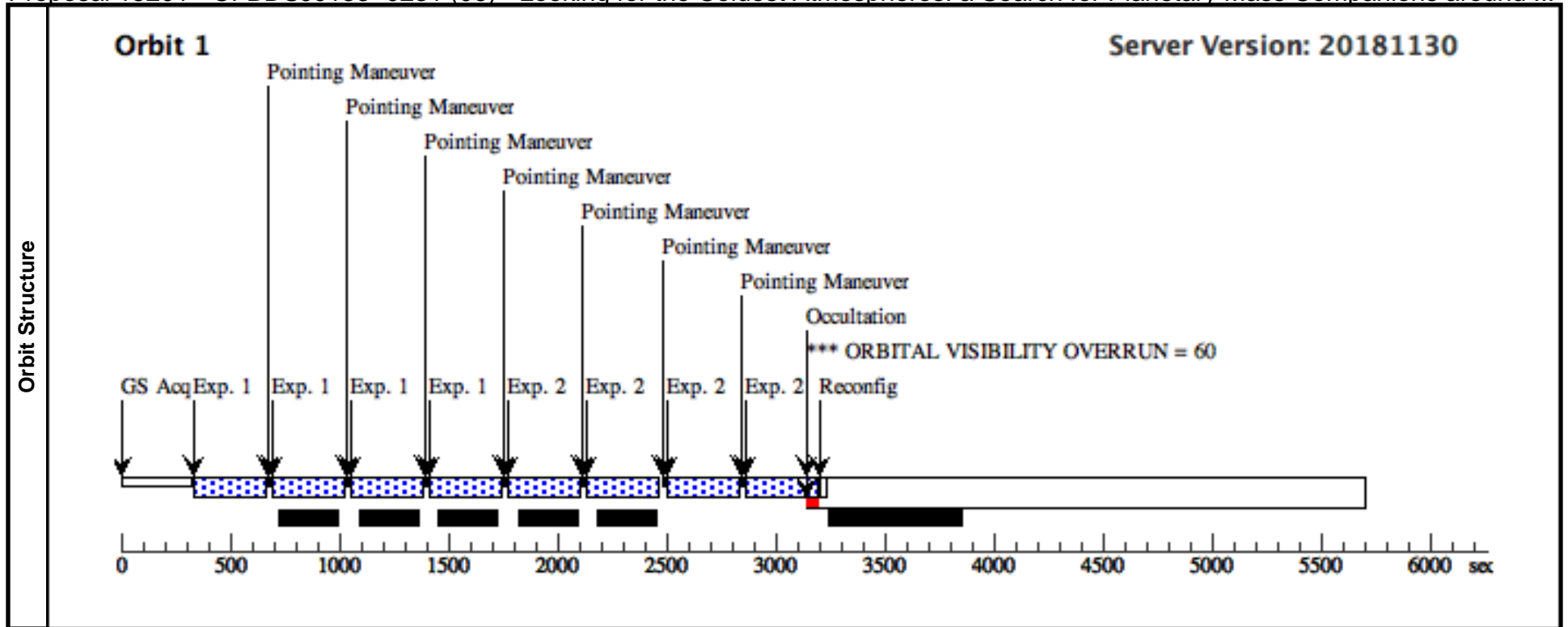
Visit	Proposal 15201, W0049+2151 (05), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 105D TO 111 D; ORIENT 285D TO 291 D									
	(W0049+2151 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	W0049+2151 Alt Name1: WISEJ004945.61+21512.0.0 Comments: T8.5 Category=STAR Description=[BROWN DWARF]	RA: 00 49 45.6100 (12.4400417d) Dec: +21 51 20.00 (21.85556d) Equinox: J2000		V=(?) J=16.72	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(5) W0049+2151	(5) W0049+2151	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0	GS ACQ SCENARI O BASE1B3	Pattern 3, Exps 1-1 i n W0049+2151 (05) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(5) W0049+2151	(5) W0049+2151	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 1,1	Pattern 3, Exps 2-2 i n W0049+2151 (05) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - CFBDSJ0133+0231 (06) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around ...

Mon Jun 10 14:00:57 GMT 2019

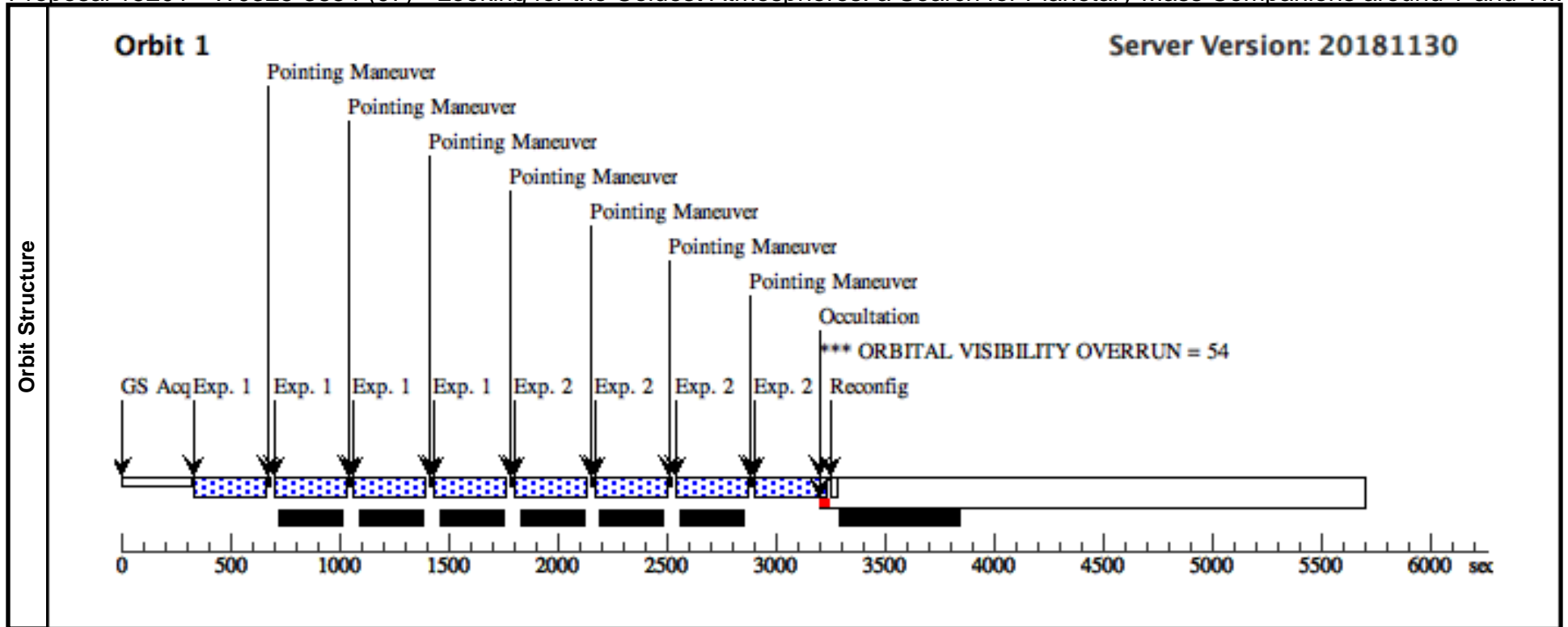
Visit	Proposal 15201, CFBDSJ0133+0231 (06), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(CFBDSJ0133+0231 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(5)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1 Line Spacing=1	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	CFBDSJ0133+0231 Alt Name1: CFBDSJ013302+023128	RA: 01 33 2.2700 (23.2594583d) Dec: +02 31 28.40 (2.52456d) Equinox: J2000		V=(?) J=18.34	Reference Frame: ICRS				
Comments: T8 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(6) CFBDSJ0133+0231	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0			Pattern 5, Exps 1-1 in CFBDSJ0133+0231 (06) (5)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(6) CFBDSJ0133+0231	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 1,1		Pattern 5, Exps 2-2 in CFBDSJ0133+0231 (06) (5)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W0325-3854 (07) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:57 GMT 2019

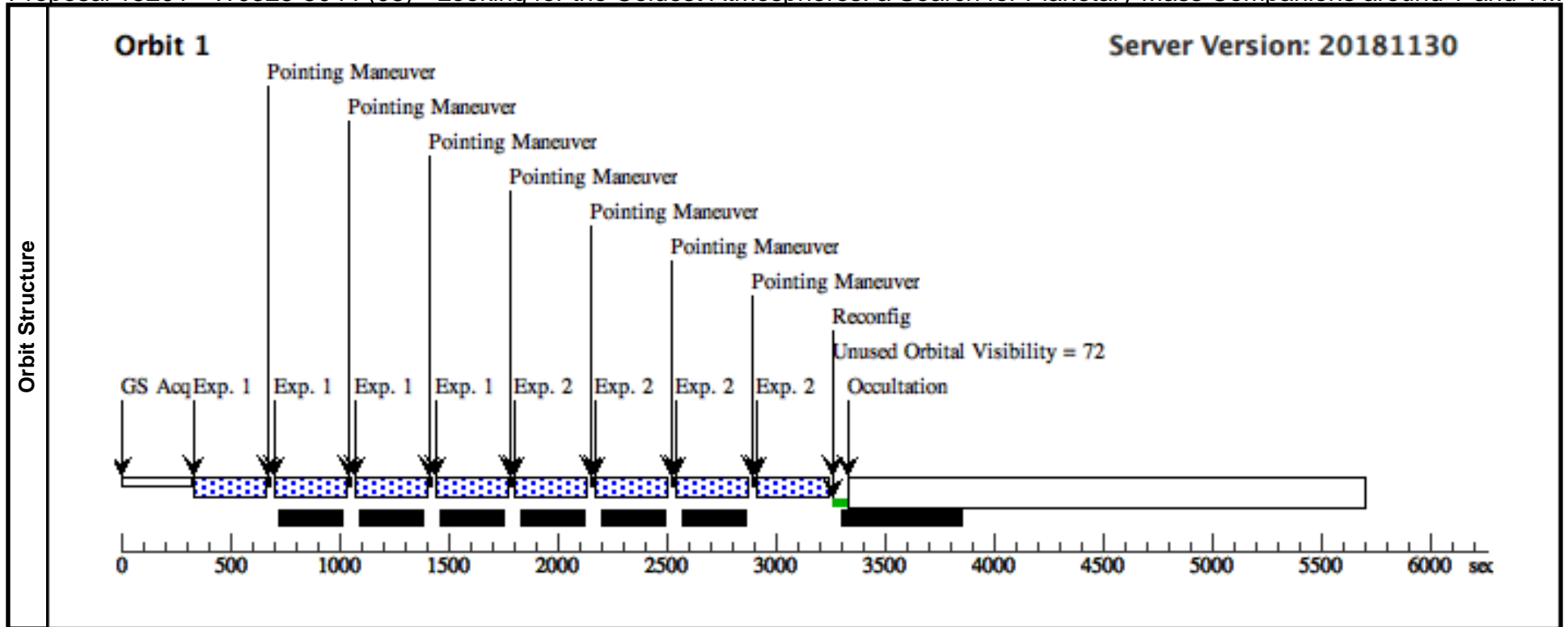
Visit	Proposal 15201, W0325-3854 (07), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(W0325-3854 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(6)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2.5 Line Spacing=2.5	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	W0325-3854 Alt Name1: WISEJ032517.69-385454.1	RA: 03 25 17.6900 (51.3237083d) Dec: -38 54 54.10 (-38.91503d) Equinox: J2000		V=(?) J=19.40	Reference Frame: ICRS				
Comments: T9 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(7) W0325-3854	(7) W0325-3854	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25		Pattern 6, Exps 1-1 in W0325-3854 (07) (6)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(7) W0325-3854	(7) W0325-3854	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 6, Exps 2-2 in W0325-3854 (07) (6)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W0325-5044 (08) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:57 GMT 2019

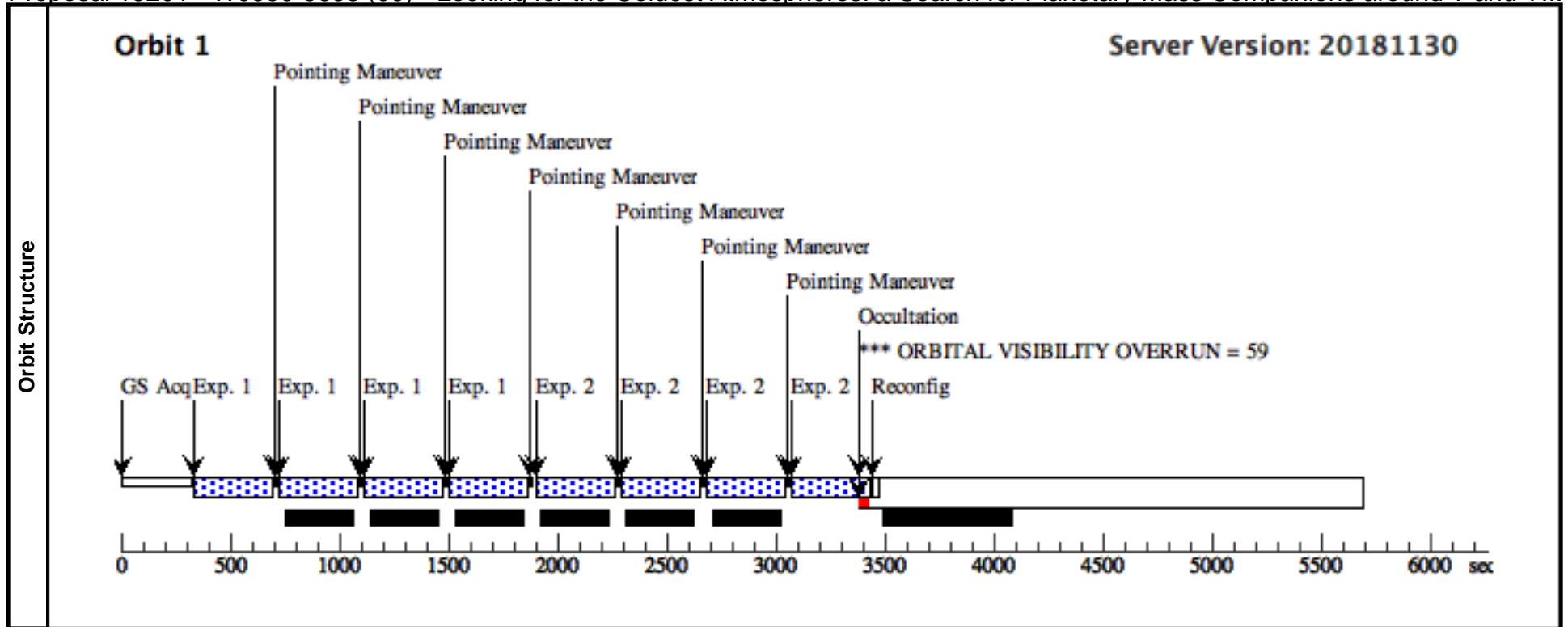
Visit	Proposal 15201, W0325-5044 (08), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 120D TO 126 D; ORIENT 300D TO 306 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	W0325-5044	RA: 03 25 4.5200 (51.2688333d)		V=(?) J=18.94	Reference Frame: ICRS				
		Alt Name1: WISEAJ032504.52-504403.0	Dec: -50 44 3.00 (-50.73417d) Equinox: J2000							
		<i>Comments: T8</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) W0325-5044	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25		Pattern 2, Exps 1-1 in W0325-5044 (08) (2)	302.938471 Secs (1211.754 Secs)	[1]
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		
2		(8) W0325-5044	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1	Pattern 2, Exps 2-2 in W0325-5044 (08) (2)	302.938471 Secs (1211.754 Secs)	[1]	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		



Proposal 15201 - W0350-5658 (09) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:57 GMT 2019

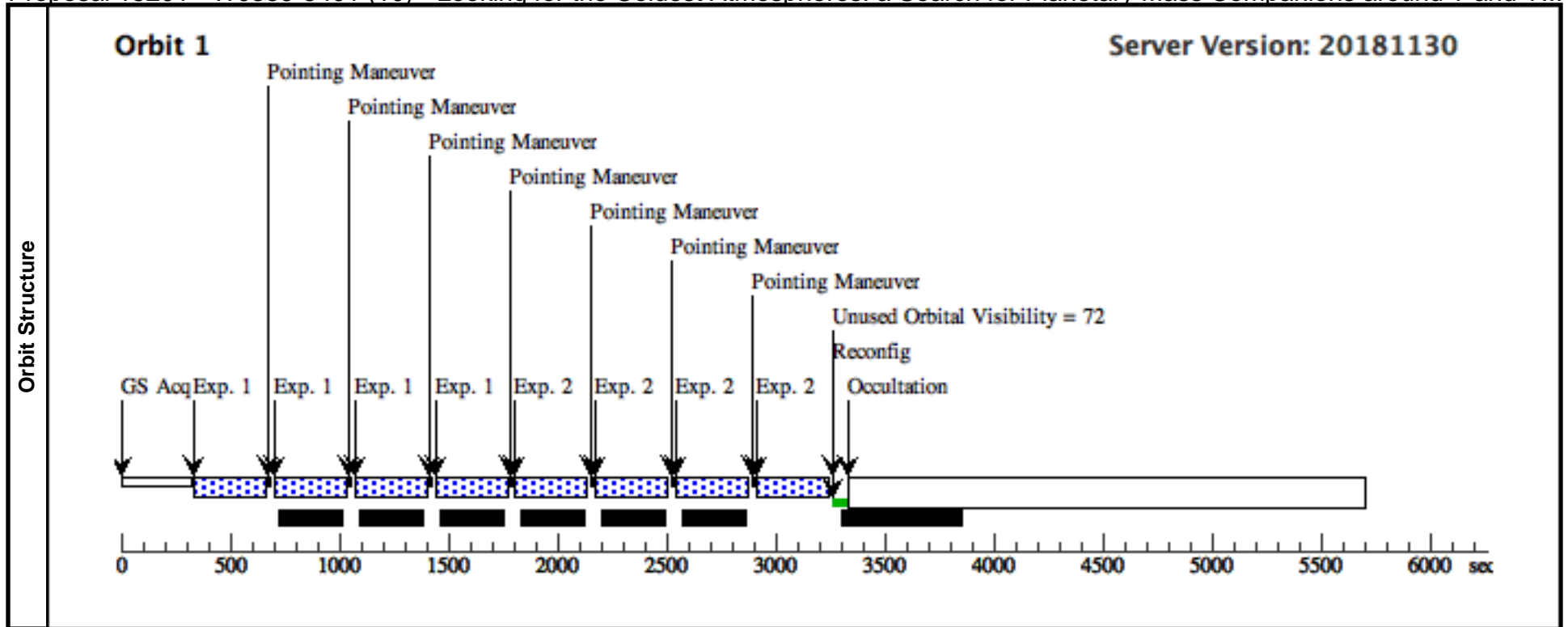
Visit	Proposal 15201, W0350-5658 (09), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 78D TO 84 D; ORIENT 258D TO 264 D									
	(W0350-5658 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	W0350-5658 Alt Name1: WISEJ035000.32-565830.2	RA: 03 50 0.3280 (57.5013667d) Dec: -56 58 30.23 (-56.97506d) Equinox: J2000		V=(?) J=22.18	Reference Frame: ICRS				
Comments: Y1 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) W0350-5658		WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25		Pattern 3, Exps 1-1 in W0350-5658 (09) (3)	327.938986 Secs (1311.756 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2	(9) W0350-5658		WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 3, Exps 2-2 in W0350-5658 (09) (3)	327.938986 Secs (1311.756 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 15201 - W0359-5401 (10) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:57 GMT 2019

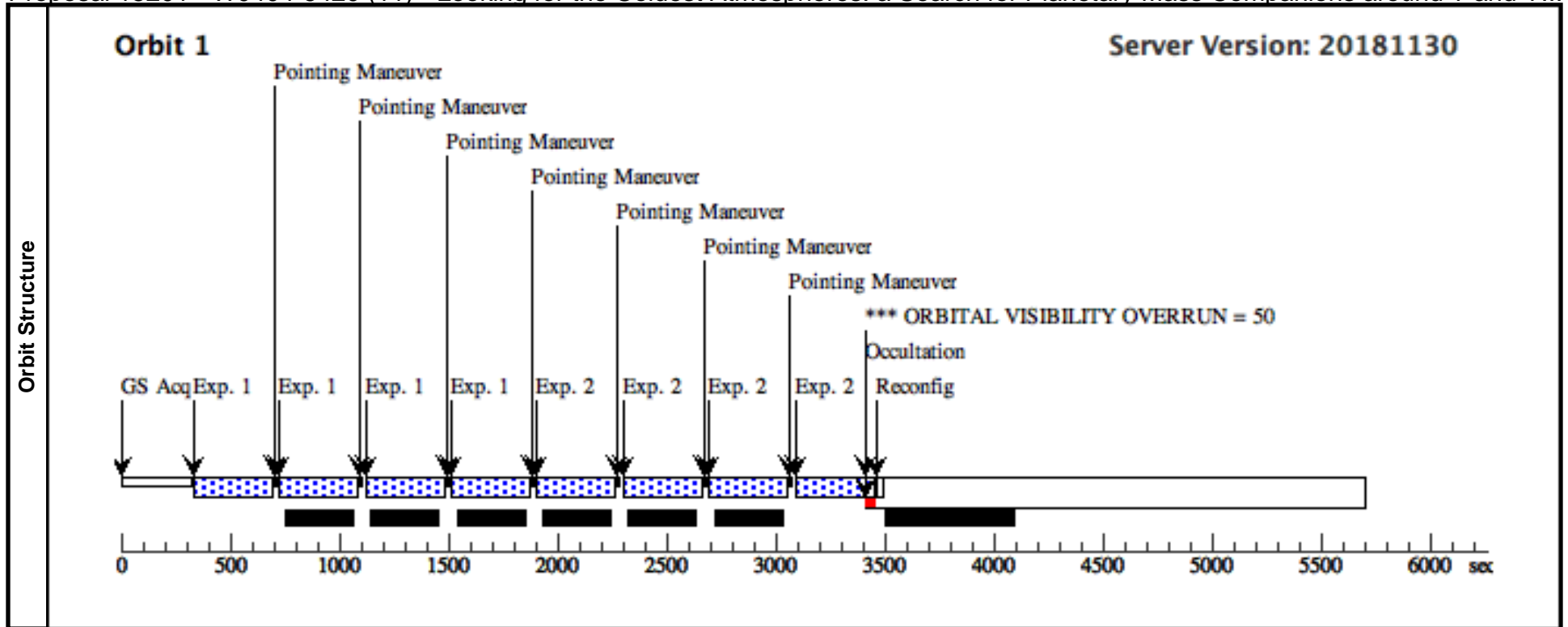
Visit	Proposal 15201, W0359-5401 (10), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 63D TO 69 D; ORIENT 243D TO 249 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	W0359-5401	RA: 03 59 34.0670 (59.8919458d)		V=(?) J=21.40	Reference Frame: ICRS				
		Alt Name1: WISEJ035934.06-540154.6	Dec: -54 01 54.64 (-54.03184d) Equinox: J2000							
		<i>Comments: Y0</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) W0359-5401	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25		Pattern 2, Exps 1-1 in W0359-5401 (10) (2)	302.938471 Secs (1211.754 Secs)	[1]
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		
2		(10) W0359-5401	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1	Pattern 2, Exps 2-2 in W0359-5401 (10) (2)	302.938471 Secs (1211.754 Secs)	[1]	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		



Proposal 15201 - W0404-6420 (11) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:57 GMT 2019

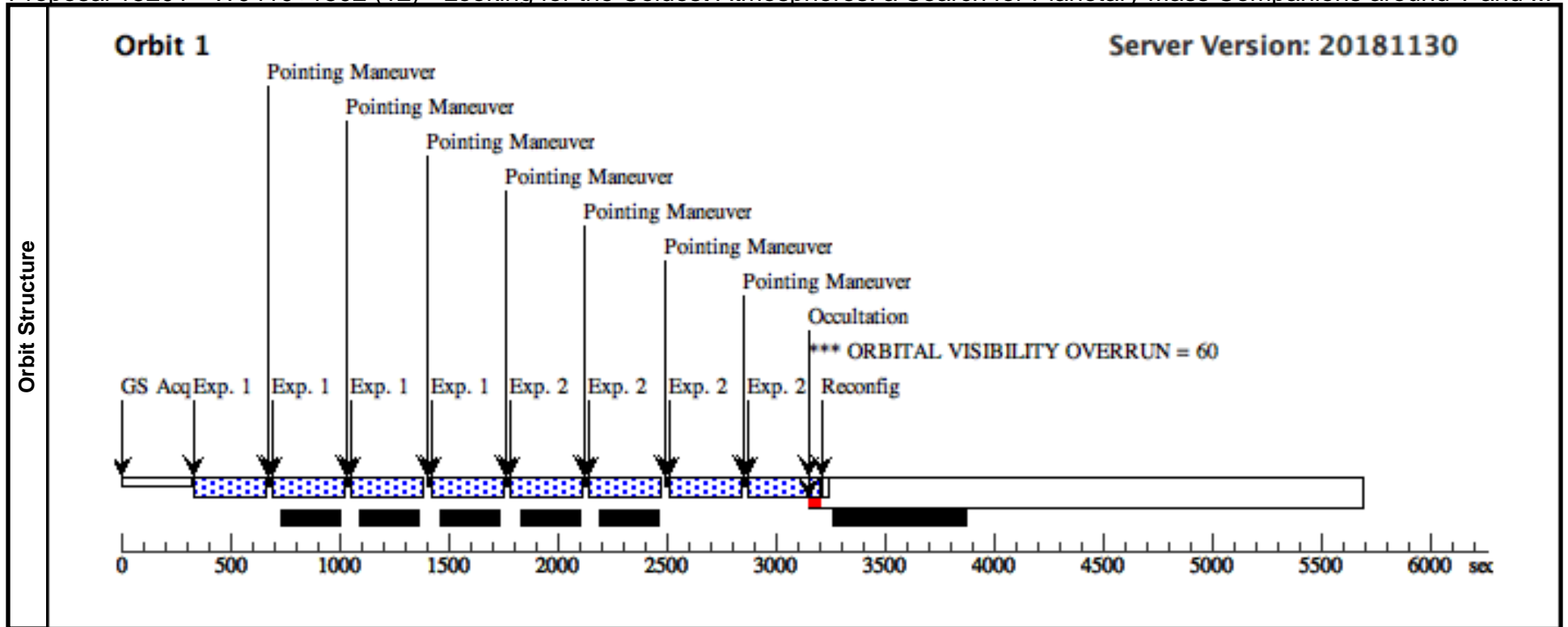
Visit	Proposal 15201, W0404-6420 (11), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 72D TO 78 D; ORIENT 252D TO 258 D									
	(W0404-6420 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	W0404-6420 Alt Name1: WISEAJ040443.50-642030.0 Comments: T9 Category=STAR Description=[BROWN DWARF]	RA: 04 04 41.9440 (61.1747667d) Dec: -64 20 42.91 (-64.34525d) Equinox: J2000		V=(?) J=20.33	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) W0404-6420	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25		Pattern 2, Exps 1-1 in W0404-6420 (11) (2)	327.938986 Secs (1311.756 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2		(11) W0404-6420	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 2, Exps 2-2 in W0404-6420 (11) (2)	327.938986 Secs (1311.756 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 15201 - W0410+1502 (12) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:57 GMT 2019

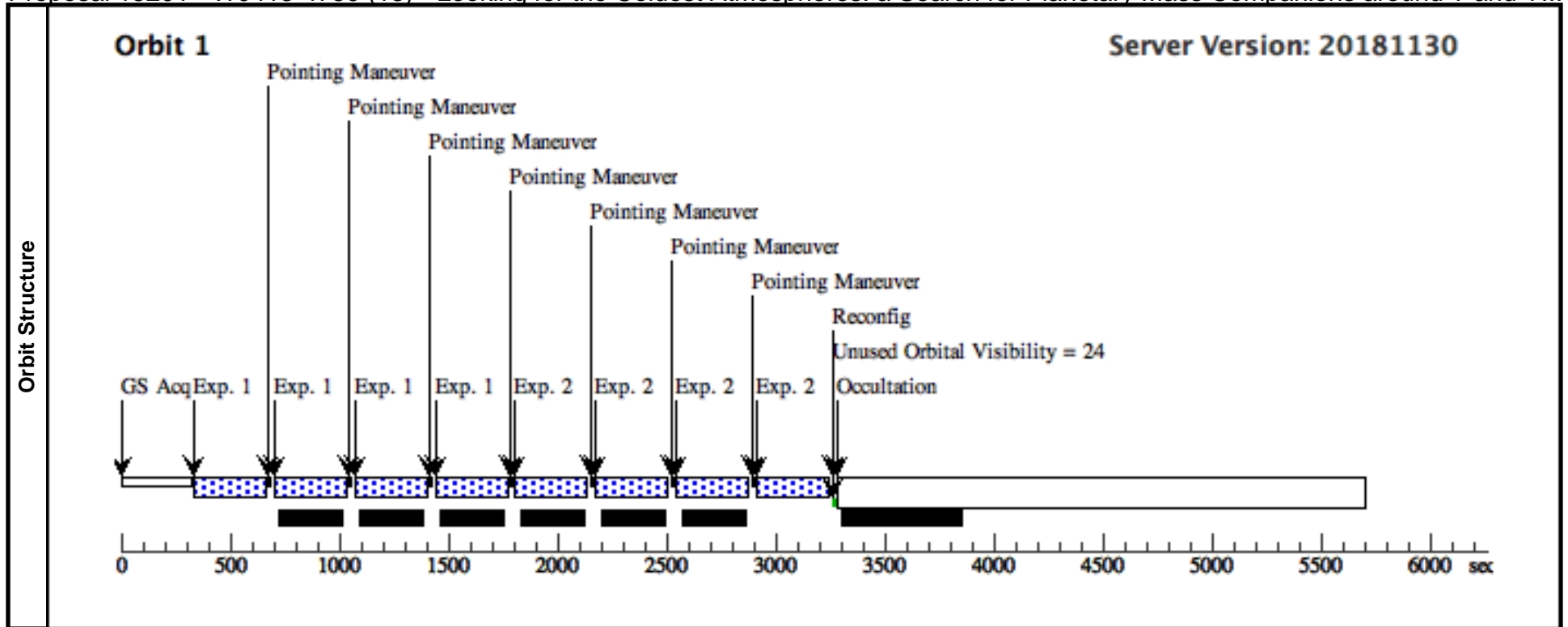
Visit	Proposal 15201, W0410+1502 (12), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 87D TO 93 D; ORIENT 267D TO 273 D									
	(W0410+1502 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	W0410+1502	RA: 04 10 22.7130 (62.5946375d)		V=(?) J=19.44	Reference Frame: ICRS				
Alt Name1: WISEJ041022.71+15024 8.4 Equinox: J2000 Comments: Y0 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) W0410+1502	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0		Pattern 3, Exps 1-1 i n W0410+1502 (12) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(12) W0410+1502	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 1,1		Pattern 3, Exps 2-2 i n W0410+1502 (12) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W0413-4750 (13) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:57 GMT 2019

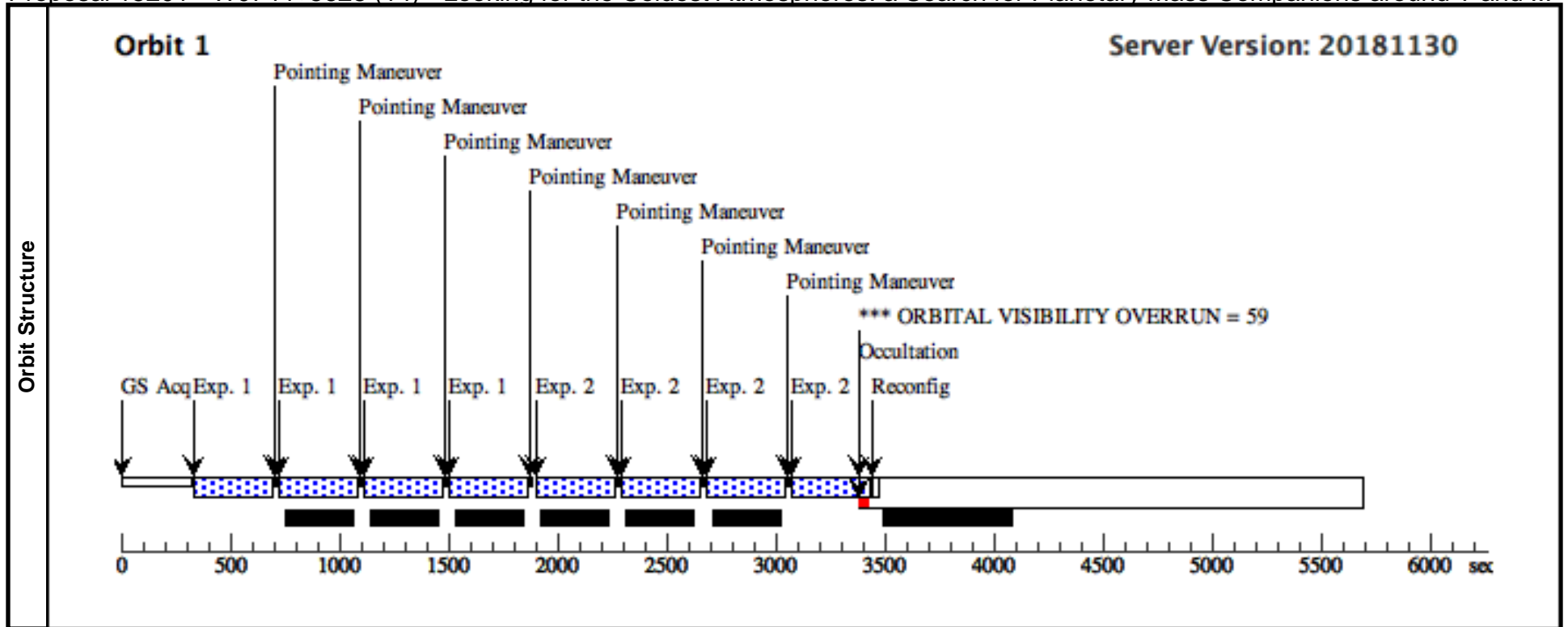
Visit	Proposal 15201, W0413-4750 (13), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	W0413-4750	RA: 04 13 58.1400 (63.4922500d)		V=(?) J=20.29	Reference Frame: ICRS				
		Alt Name1: WISEJ041358.14-475039.3	Dec: -47 50 39.30 (-47.84425d) Equinox: J2000							
		<i>Comments: T9</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(13) W0413-4750	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25		Pattern 2, Exps 1-1 in W0413-4750 (13) (2)	302.938471 Secs (1211.754 Secs)	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
	2		(13) W0413-4750	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1	Pattern 2, Exps 2-2 in W0413-4750 (13) (2)	302.938471 Secs (1211.754 Secs)	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 15201 - W0744+5628 (14) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:57 GMT 2019

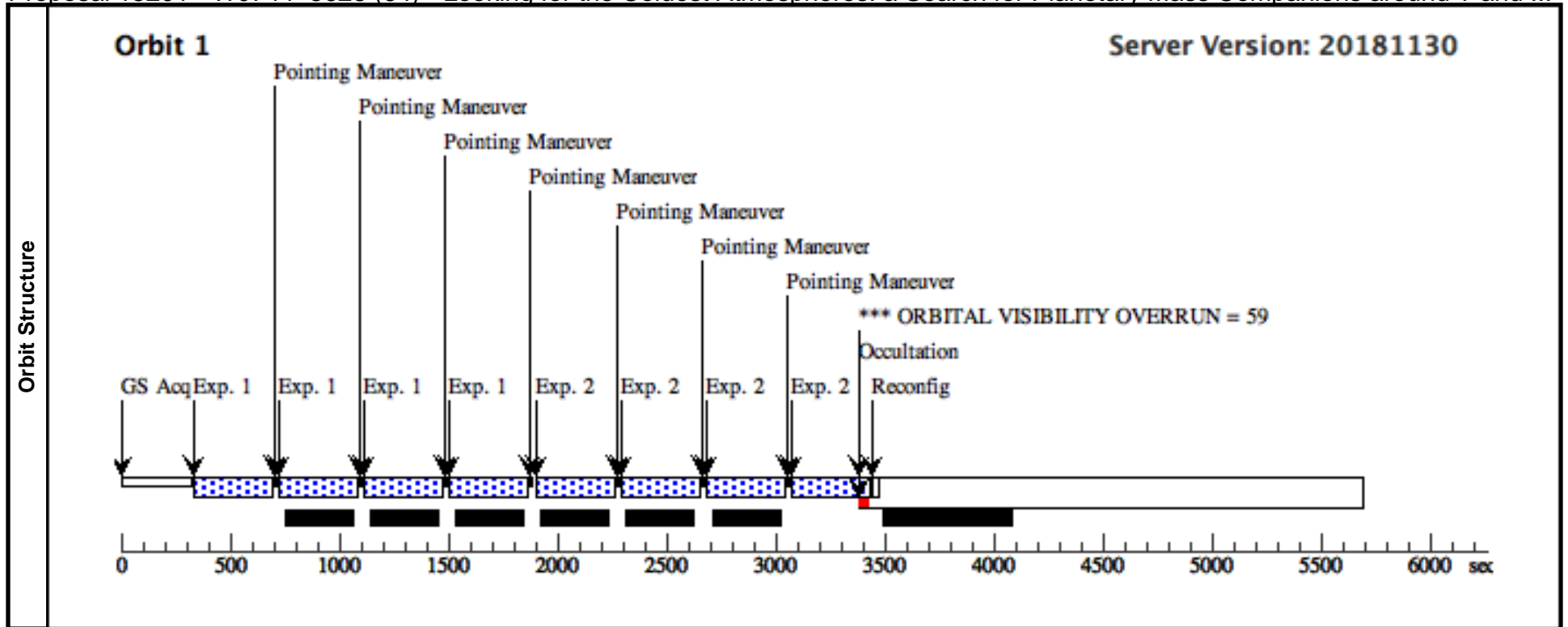
Visit	Proposal 15201, W0744+5628 (14), failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 11D TO 17 D; ORIENT 191D TO 197 D									
	(W0744+5628 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	W0744+5628 Alt Name1: WISEJ074457.25+56282 1.0	RA: 07 44 57.1500 (116.2381250d) Dec: +56 28 21.80 (56.47272d) Equinox: J2000		V=(?) J=17.68	Reference Frame: ICRS				
Comments: T8 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(14) W0744+5628	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25			Pattern 3, Exps 1-1 in W0744+5628 (14) (3)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(14) W0744+5628	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25	POS TARG 1,1			Pattern 3, Exps 2-2 in W0744+5628 (14) (3)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W0744+5628 (64) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:57 GMT 2019

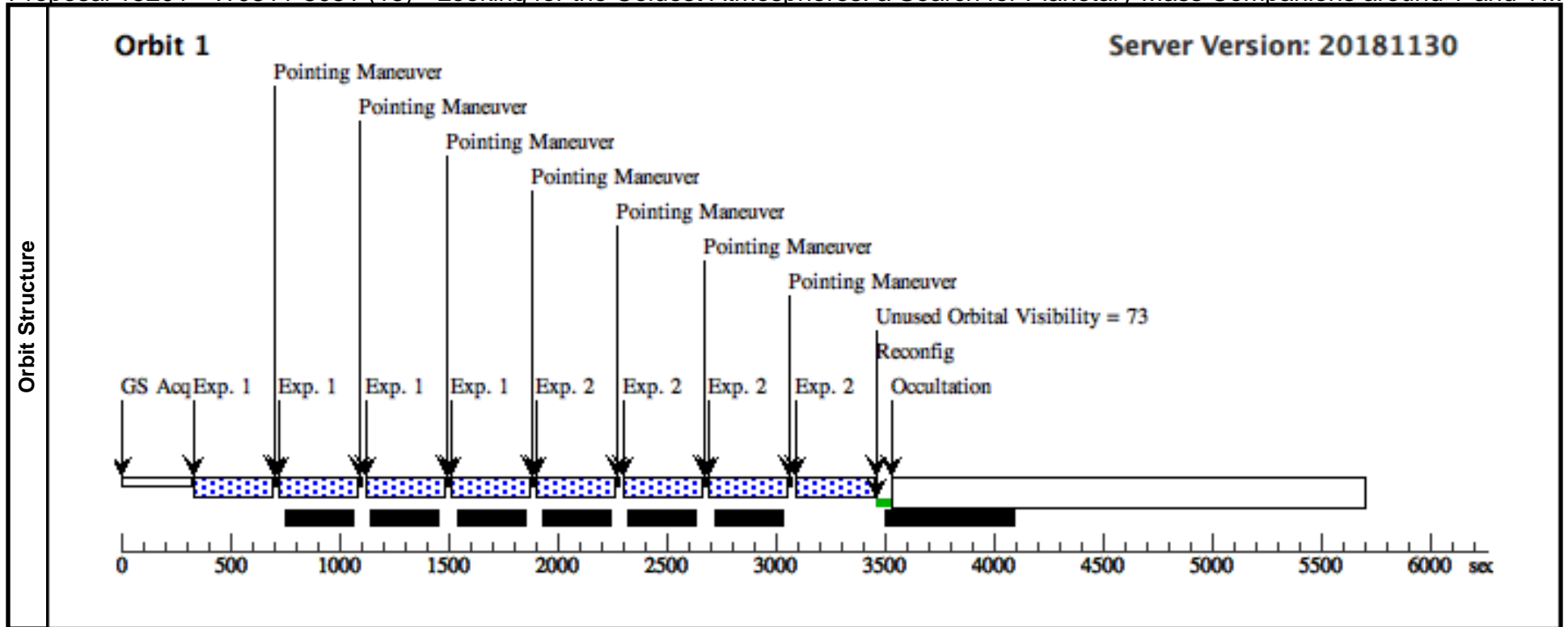
Visit	Proposal 15201, W0744+5628 (64), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 101D TO 107 D; ORIENT 281D TO 287 D									
	(W0744+5628 (64)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	W0744+5628 Alt Name1: WISEJ074457.25+562821.0	RA: 07 44 57.1500 (116.2381250d) Dec: +56 28 21.80 (56.47272d) Equinox: J2000		V=(?) J=17.68	Reference Frame: ICRS				
Comments: T8 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(14) W0744+5628	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25			Pattern 3, Exps 1-1 in W0744+5628 (64) (3)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(14) W0744+5628	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25		POS TARG 1,1		Pattern 3, Exps 2-2 in W0744+5628 (64) (3)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W0811-8051 (15) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

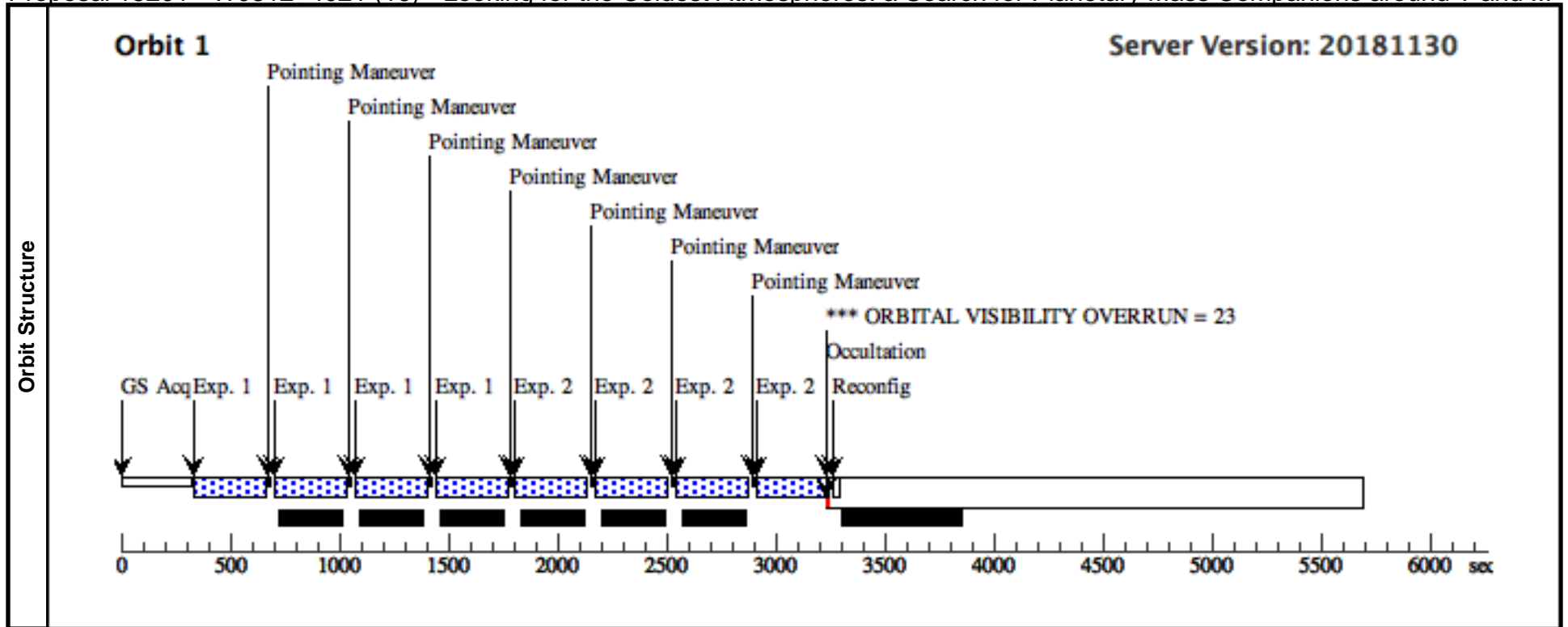
Mon Jun 10 14:00:57 GMT 2019

Visit	Proposal 15201, W0811-8051 (15), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	W0811-8051	RA: 08 11 17.8100 (122.8242083d)		V=(?) J=19.31	Reference Frame: ICRS				
		Alt Name1: WISEJ081117.81-805141.3	Dec: -80 51 41.30 (-80.86147d) Equinox: J2000							
		<i>Comments: T9.5</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(15) W0811-8051	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25		Pattern 2, Exps 1-1 in W0811-8051 (15) (2)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(15) W0811-8051	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25	POS TARG 1,1	Pattern 2, Exps 2-2 in W0811-8051 (15) (2)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W0812+4021 (16) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

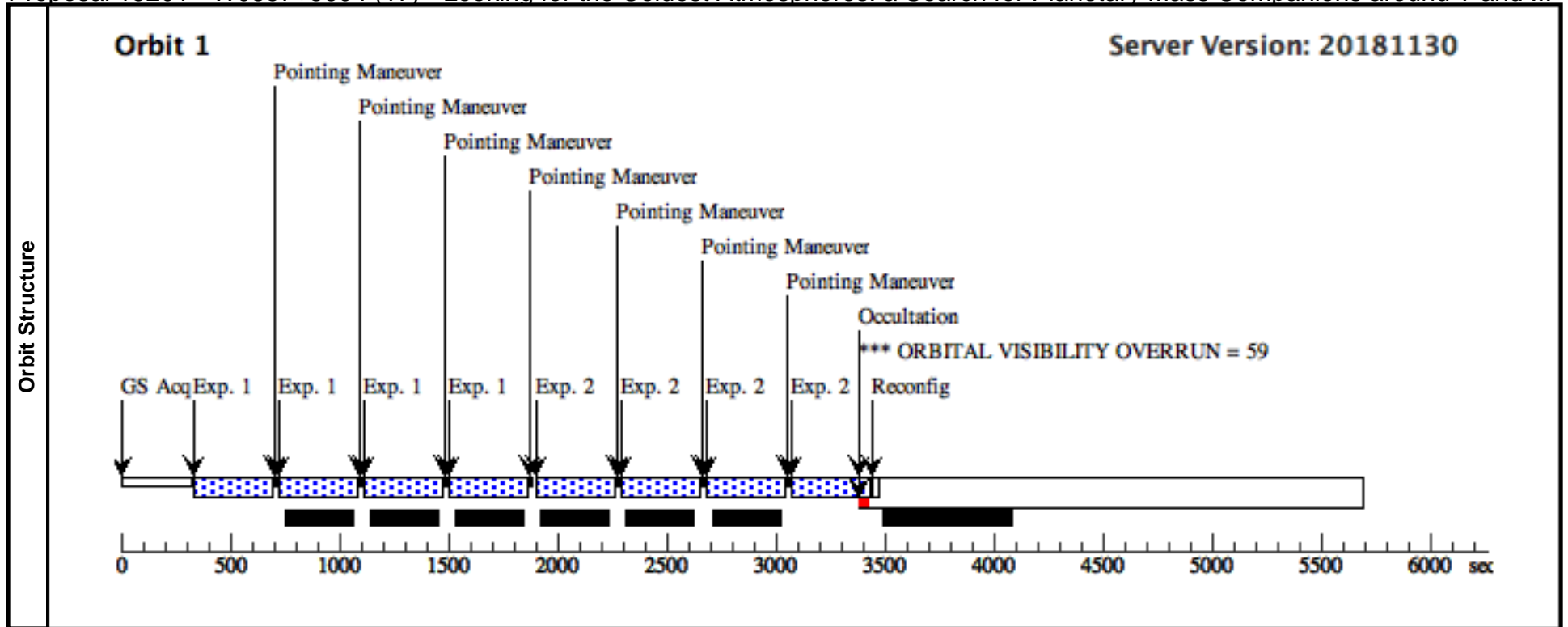
Visit	Proposal 15201, W0812+4021 (16), completed Mon Jun 10 14:00:57 GMT 2019 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 105D TO 111 D; ORIENT 285D TO 291 D									
	Diagnostics (W0812+4021 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	W0812+4021 Alt Name1: WISEJ081220.04+402106.2	RA: 08 12 20.0400 (123.0835000d) Dec: +40 21 6.20 (40.35172d) Equinox: J2000		V=(?) J=18.39	Reference Frame: ICRS				
Comments: T8 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(16) W0812+4021	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25			Pattern 2, Exps 1-1 in W0812+4021 (16) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	(16) W0812+4021	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 2, Exps 2-2 in W0812+4021 (16) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W0857+5604 (17) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:58 GMT 2019

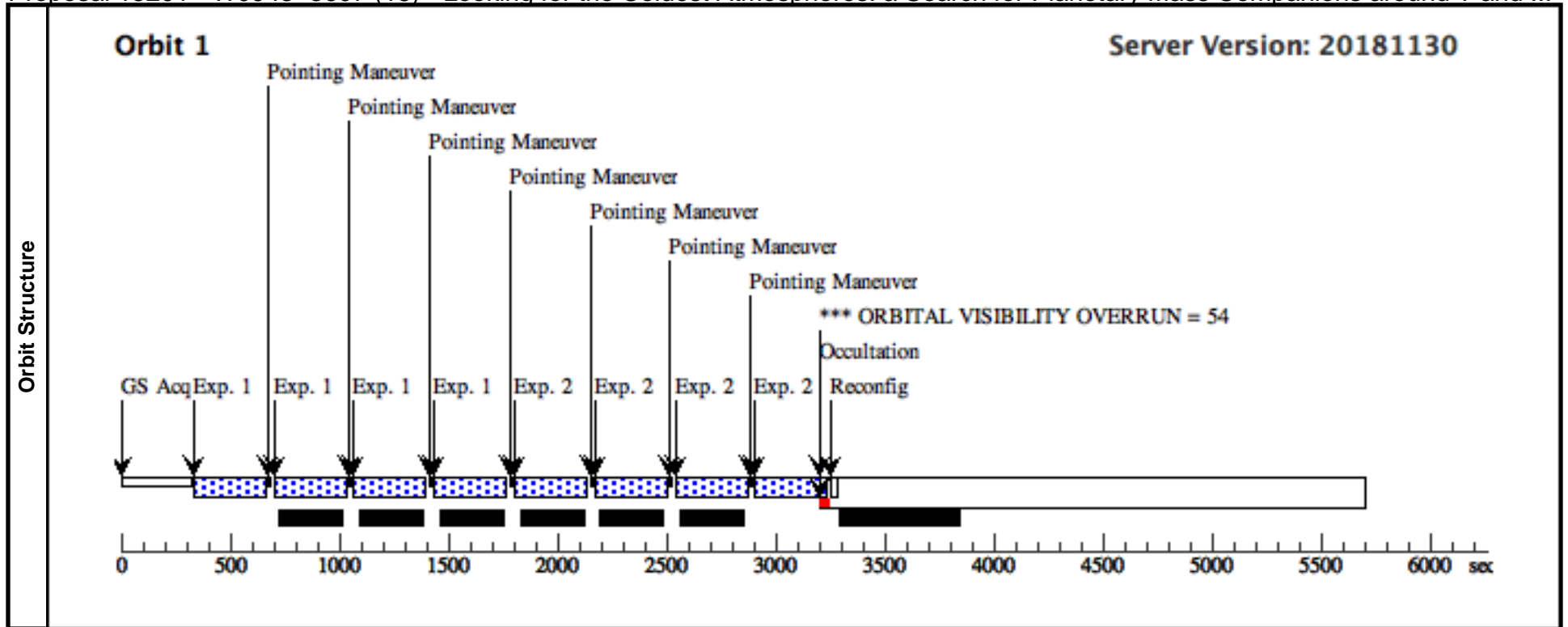
Visit	Proposal 15201, W0857+5604 (17), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 105D TO 111 D; ORIENT 285D TO 291 D									
	(W0857+5604 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	W0857+5604 Alt Name1: WISEJ085716.24+560407.6	RA: 08 57 16.2500 (134.3177083d) Dec: +56 04 7.60 (56.06878d) Equinox: J2000		V=(?) J=17.65	Reference Frame: ICRS				
Comments: T8 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(17) W0857+5604	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25			Pattern 3, Exps 1-1 in W0857+5604 (17) (3)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(17) W0857+5604	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25		POS TARG 1,1		Pattern 3, Exps 2-2 in W0857+5604 (17) (3)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W0943+3607 (18) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:58 GMT 2019

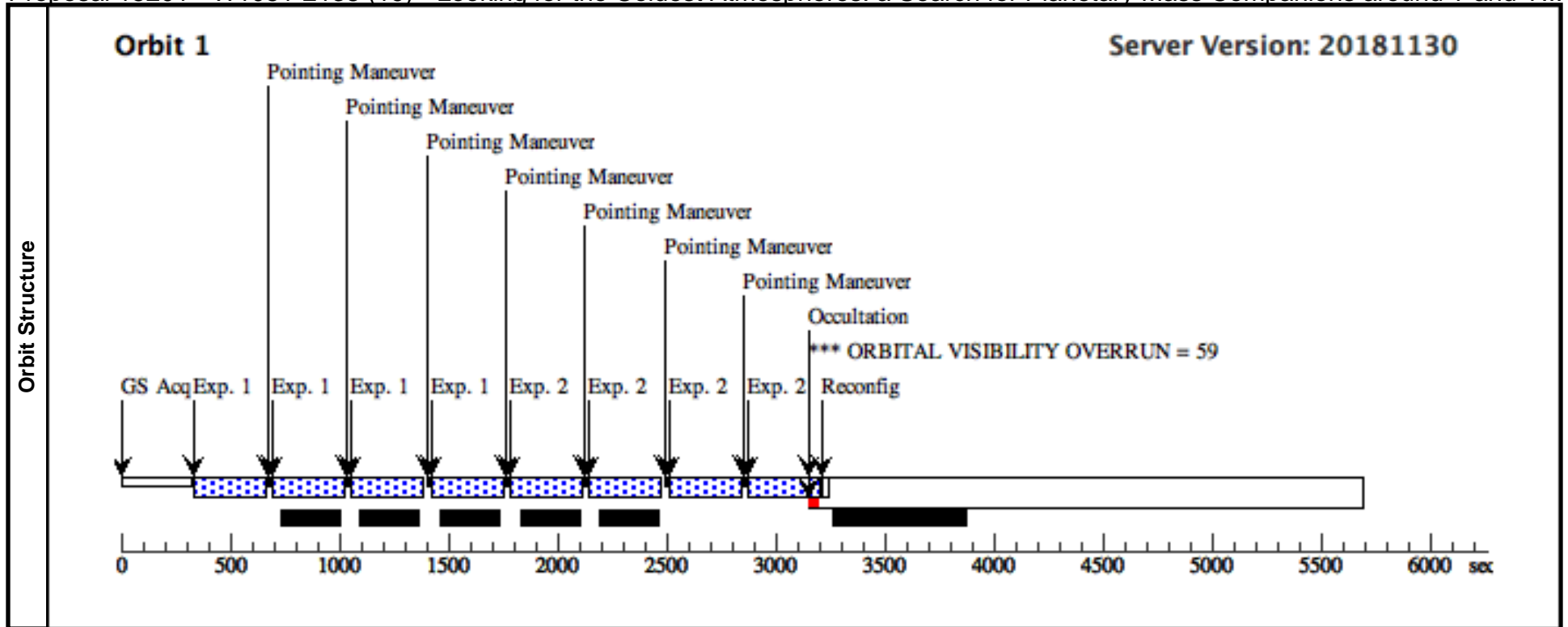
Visit	Proposal 15201, W0943+3607 (18), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 151D TO 157 D; ORIENT 331D TO 337 D									
	(W0943+3607 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(6)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2.5 Line Spacing=2.5	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	W0943+3607 Alt Name1: WISEJ094305.98+360723.5	RA: 09 43 5.9890 (145.7749542d) Dec: +36 07 23.57 (36.12321d) Equinox: J2000		V=(?) J=19.74	Reference Frame: ICRS				
Comments: T9.5 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(18) W0943+3607	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25			Pattern 6, Exps 1-1 in W0943+3607 (18) (6)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(18) W0943+3607	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25		POS TARG 1,1		Pattern 6, Exps 2-2 in W0943+3607 (18) (6)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W1051-2138 (19) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

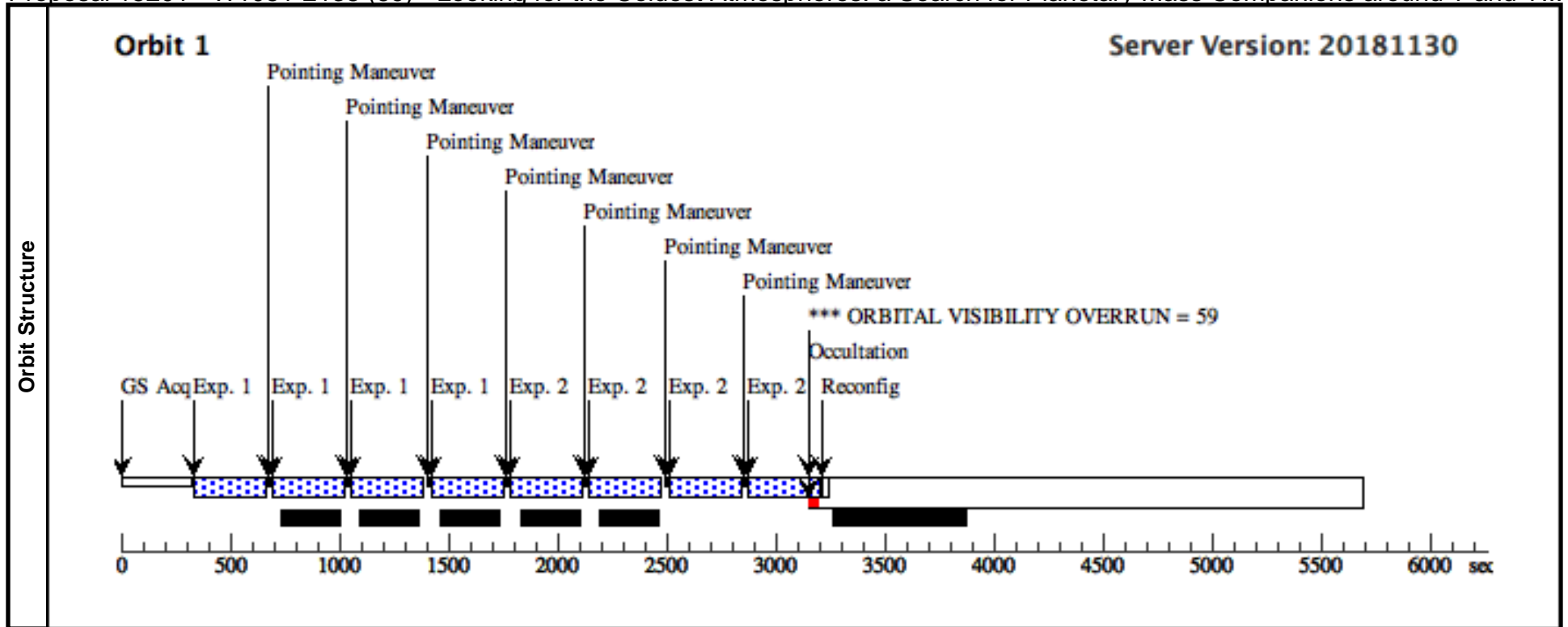
Visit	Proposal 15201, W1051-2138 (19), failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 115D TO 121 D; ORIENT 295D TO 301 D									
	(W1051-2138 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	W1051-2138 Alt Name1: WISEJ105130.01-213859.7	RA: 10 51 30.0100 (162.8750417d) Dec: -21 38 59.70 (-21.64992d) Equinox: J2000		V=(?) J=18.93	Reference Frame: ICRS				
Comments: T9 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(19) W1051-2138	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0			Pattern 3, Exps 1-1 in W1051-2138 (19) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(19) W1051-2138	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0		POS TARG 1,1	Pattern 3, Exps 2-2 in W1051-2138 (19) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W1051-2138 (69) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

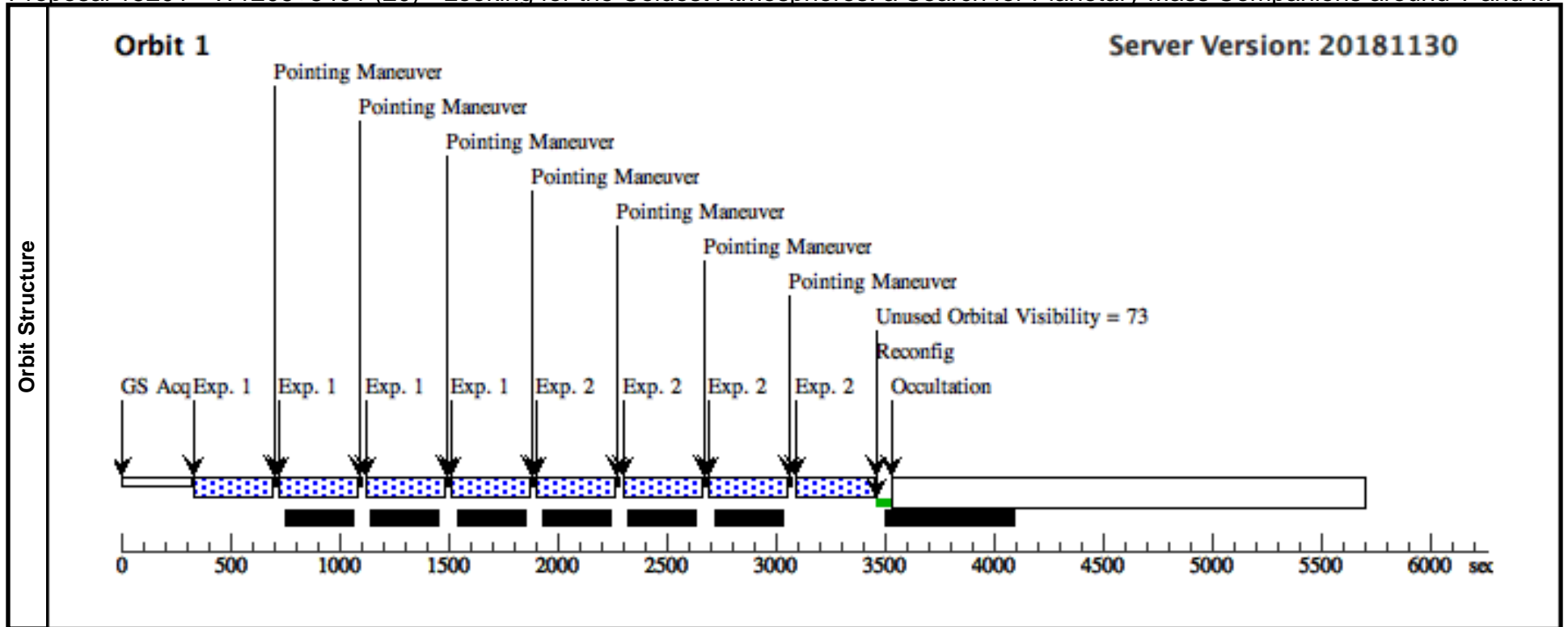
Visit	Proposal 15201, W1051-2138 (69), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 115D TO 121 D; ORIENT 295D TO 301 D									
	(W1051-2138 (69)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	W1051-2138 Alt Name1: WISEJ105130.01-213859.7	RA: 10 51 30.0100 (162.8750417d) Dec: -21 38 59.70 (-21.64992d) Equinox: J2000		V=(?) J=18.93	Reference Frame: ICRS				
Comments: T9 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(19) W1051-2138	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP50			Pattern 3, Exps 1-1 in W1051-2138 (69) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(19) W1051-2138	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50		POS TARG 1,1	Pattern 3, Exps 2-2 in W1051-2138 (69) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W1206+8401 (20) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Mon Jun 10 14:00:58 GMT 2019

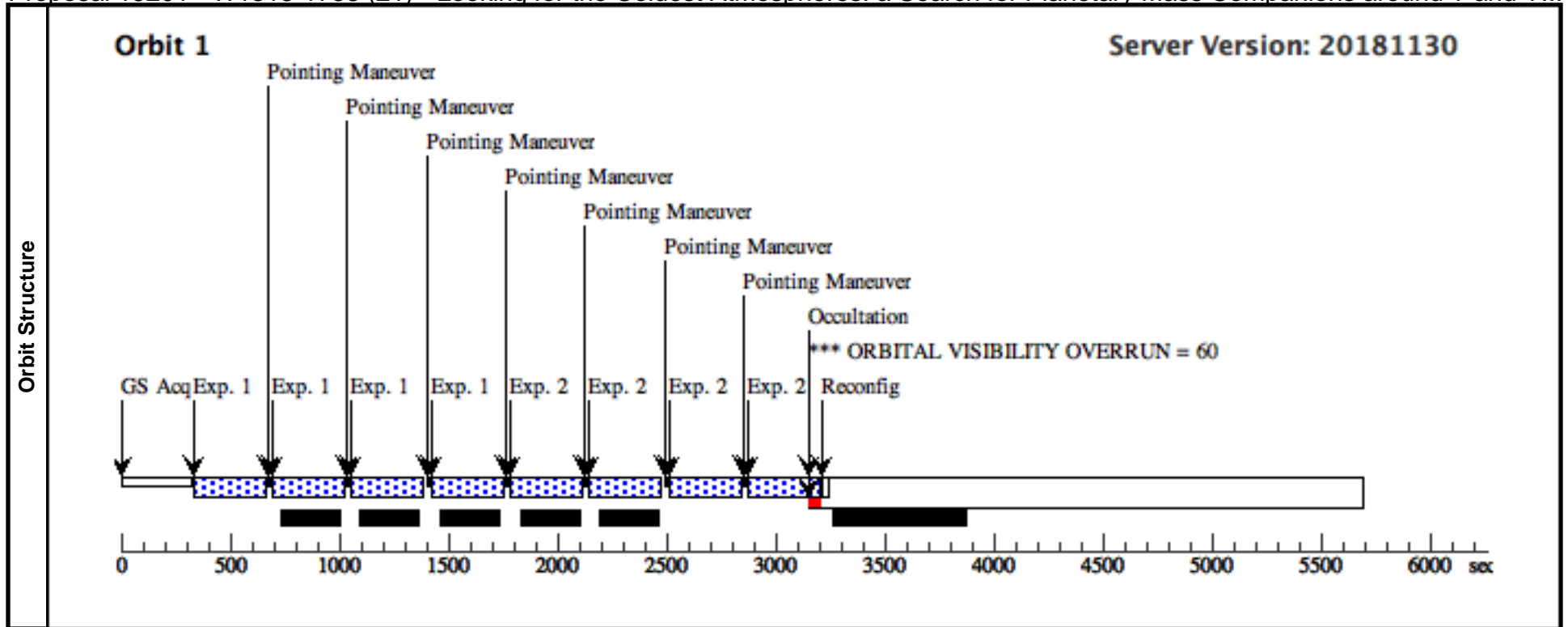
Visit	Proposal 15201, W1206+8401 (20), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 178D TO 184 D; ORIENT 358D TO 4 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(20)	W1206+8401	RA: 12 06 4.3800 (181.5182500d)		V=(?) J=20.47	Reference Frame: ICRS				
		Alt Name1: WISEJ120604.38+840110.6	Dec: +84 01 10.60 (84.01961d) Equinox: J2000							
		Comments: Y0 Category=STAR Description=[BROWN DWARF]								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(20) W1206+8401	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25			Pattern 2, Exps 1-1 in W1206+8401 (20) (2)	327.938986 Secs (1311.756 Secs)	[1]
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		
2	(20) W1206+8401	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 2, Exps 2-2 in W1206+8401 (20) (2)	327.938986 Secs (1311.756 Secs)	[1]	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		



Proposal 15201 - W1318-1758 (21) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

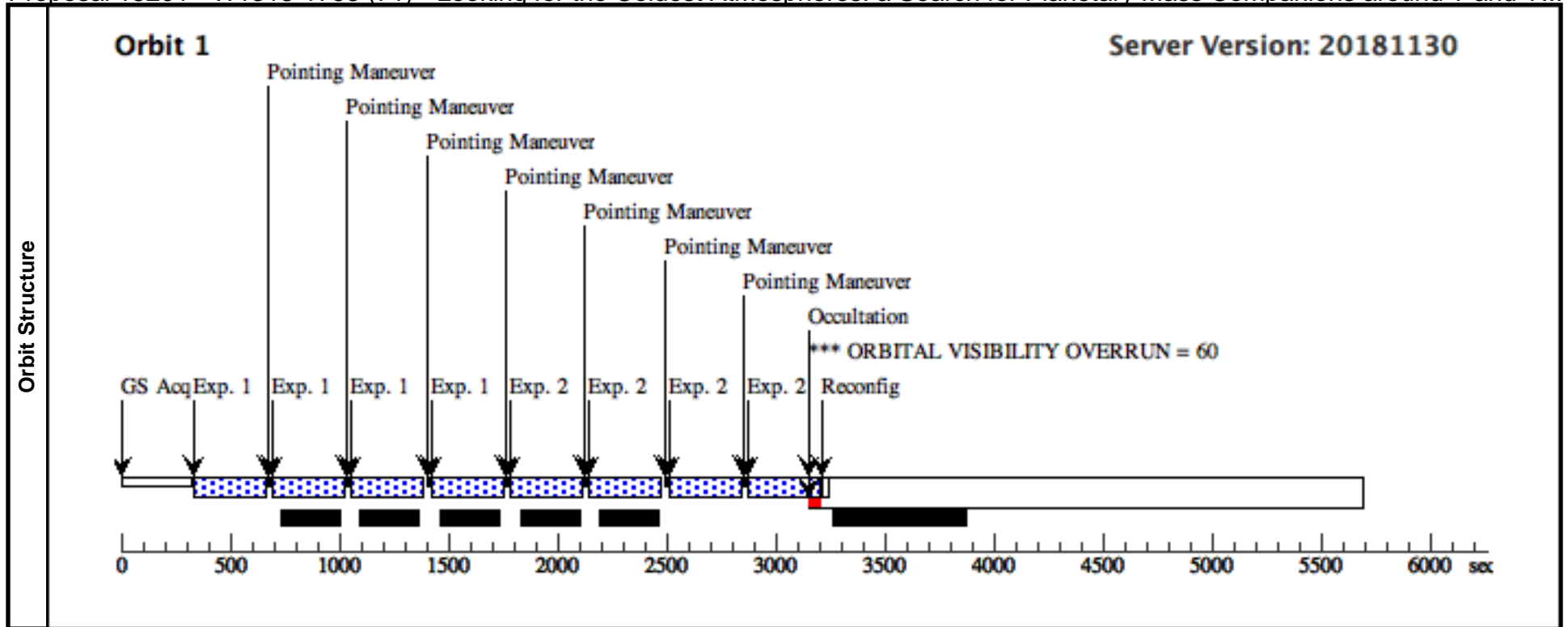
Visit	Proposal 15201, W1318-1758 (21), failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(W1318-1758 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	W1318-1758 Alt Name1: WISEJ131833.98-175826.5	RA: 13 18 33.9800 (199.6415833d) Dec: -17 58 26.50 (-17.97403d) Equinox: J2000		V=(?) J=18.43	Reference Frame: ICRS				
Comments: T9 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(21) W1318-1758	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0			Pattern 3, Exps 1-1 in W1318-1758 (21) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(21) W1318-1758	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0		POS TARG 1,1		Pattern 3, Exps 2-2 in W1318-1758 (21) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W1318-1758 (71) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

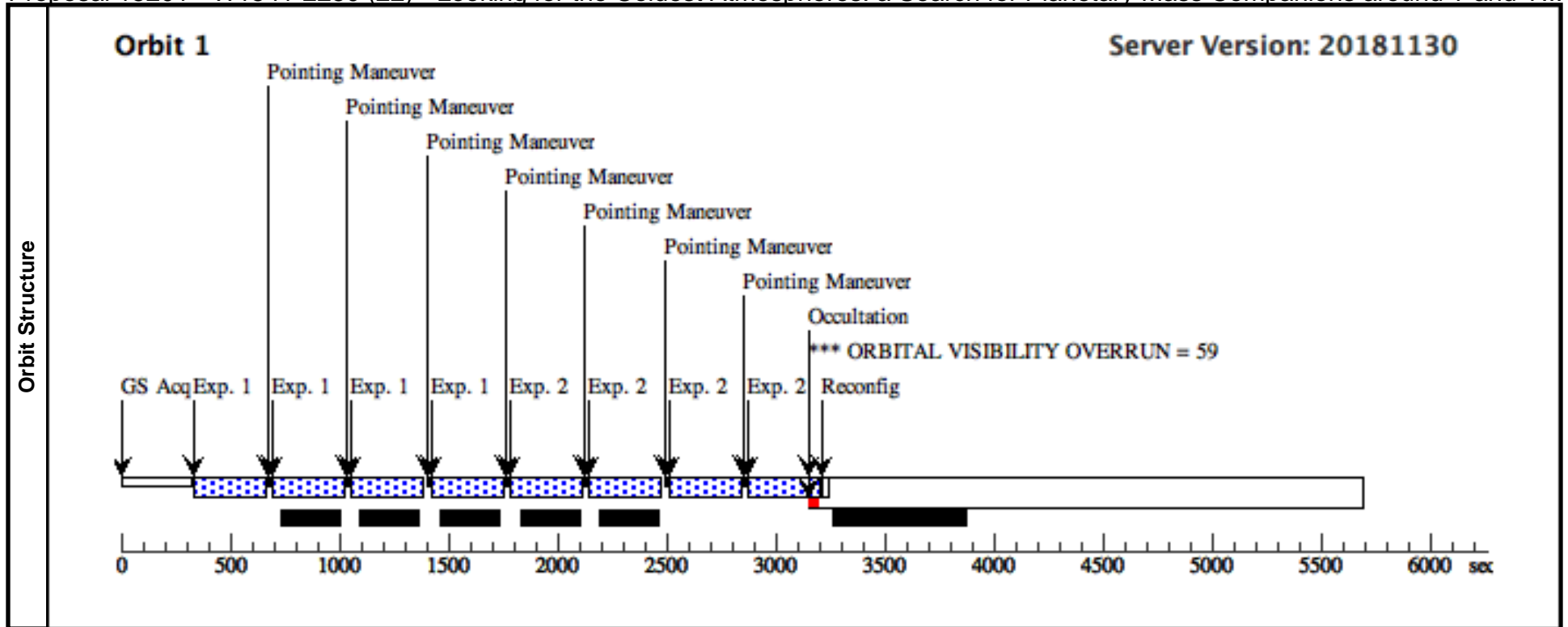
Visit	Proposal 15201, W1318-1758 (71), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(W1318-1758 (71)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	W1318-1758 Alt Name1: WISEJ131833.98-175826.5	RA: 13 18 33.9800 (199.6415833d) Dec: -17 58 26.50 (-17.97403d) Equinox: J2000		V=(?) J=18.43	Reference Frame: ICRS				
Comments: T9 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(21) W1318-1758	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0			Pattern 3, Exps 1-1 in W1318-1758 (71) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(21) W1318-1758	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0		POS TARG 1,1		Pattern 3, Exps 2-2 in W1318-1758 (71) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W1541-2250 (22) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

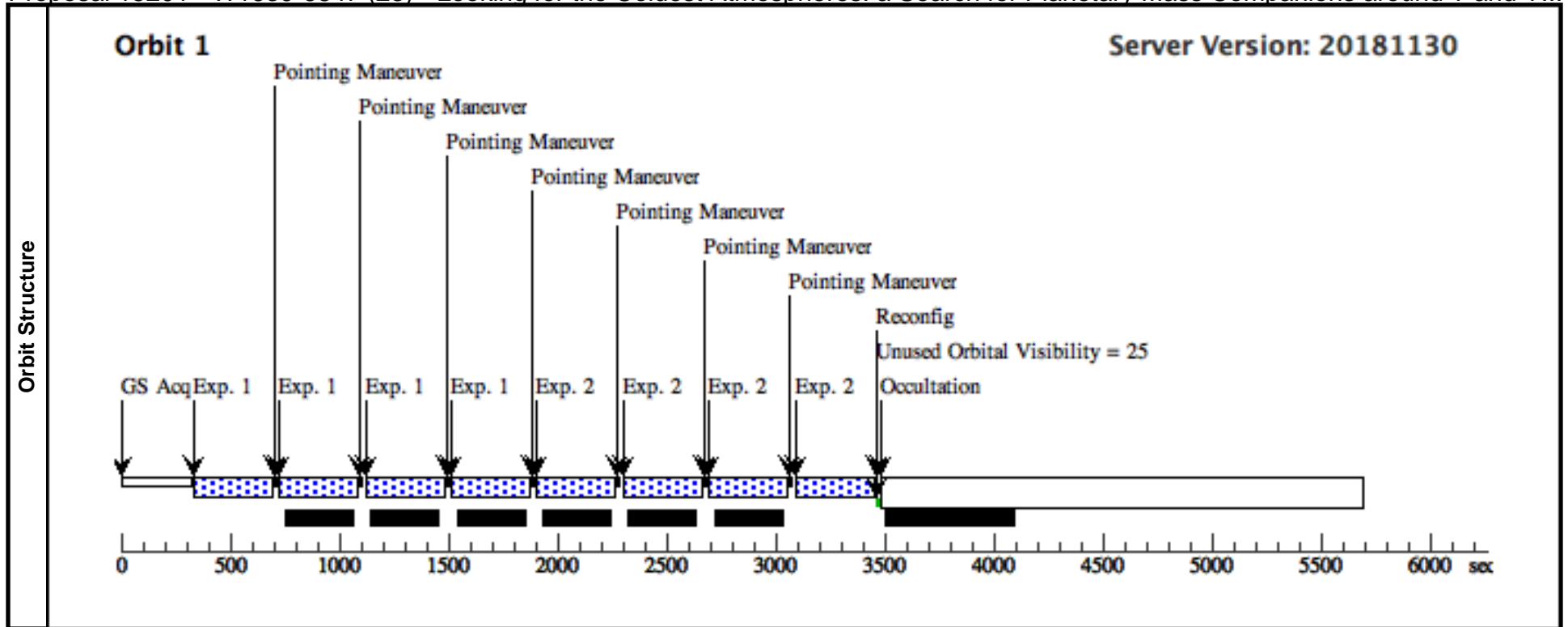
Visit	Proposal 15201, W1541-2250 (22), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 104D TO 110 D; ORIENT 284D TO 290 D									
	(W1541-2250 (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2 Line Spacing=2	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	W1541-2250 Alt Name1: WISEJ154151.65-225024.9	RA: 15 41 51.6600 (235.4652500d) Dec: -22 50 24.99 (-22.84028d) Equinox: J2000		V=(?) J=20.99	Reference Frame: ICRS				
Comments: Y0.5 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(22) W1541-2250	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0		Pattern 3, Exps 1-1 in W1541-2250 (22) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(22) W1541-2250	WFC3/IR, MULTIACCUM, IR	F139M		NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 1,1	Pattern 3, Exps 2-2 in W1541-2250 (22) (3)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W1639-6847 (23) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

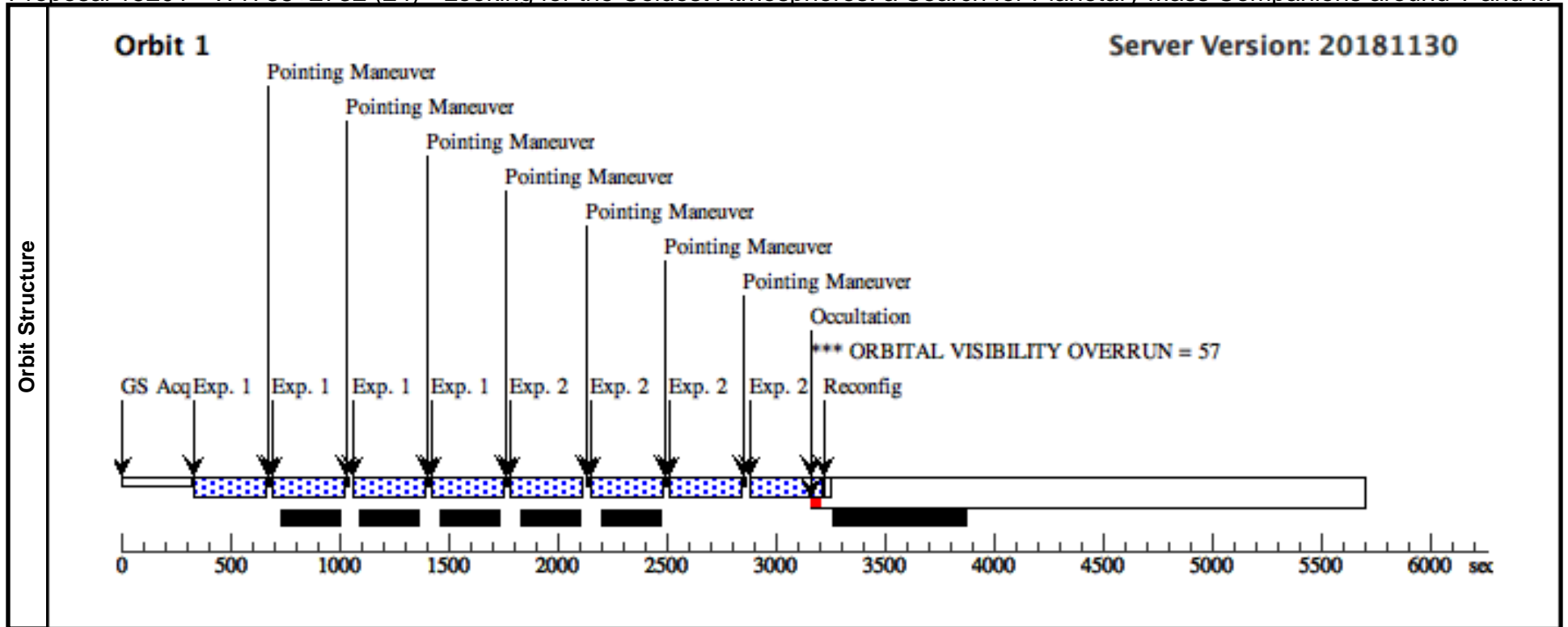
Visit	Proposal 15201, W1639-6847 (23), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 84D TO 90 D; ORIENT 264D TO 270 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	W1639-6847	RA: 16 39 40.8300 (249.9201250d)		V=(?) J=20.57	Reference Frame: ICRS				
		Alt Name1: WISEJ163940.83-684738.6 <i>Comments: YOp</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>	Dec: -68 47 38.60 (-68.79406d) Equinox: J2000							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(23) W1639-6847	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25		Pattern 2, Exps 1-1 in W1639-6847 (23) (2)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(23) W1639-6847	WFC3/IR, MULTIACCUM, IR	F139M	F139M	NSAMP=14; SAMP-SEQ=SPAR S25	POS TARG 1,1	Pattern 2, Exps 2-2 in W1639-6847 (23) (2)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W1738+2732 (24) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

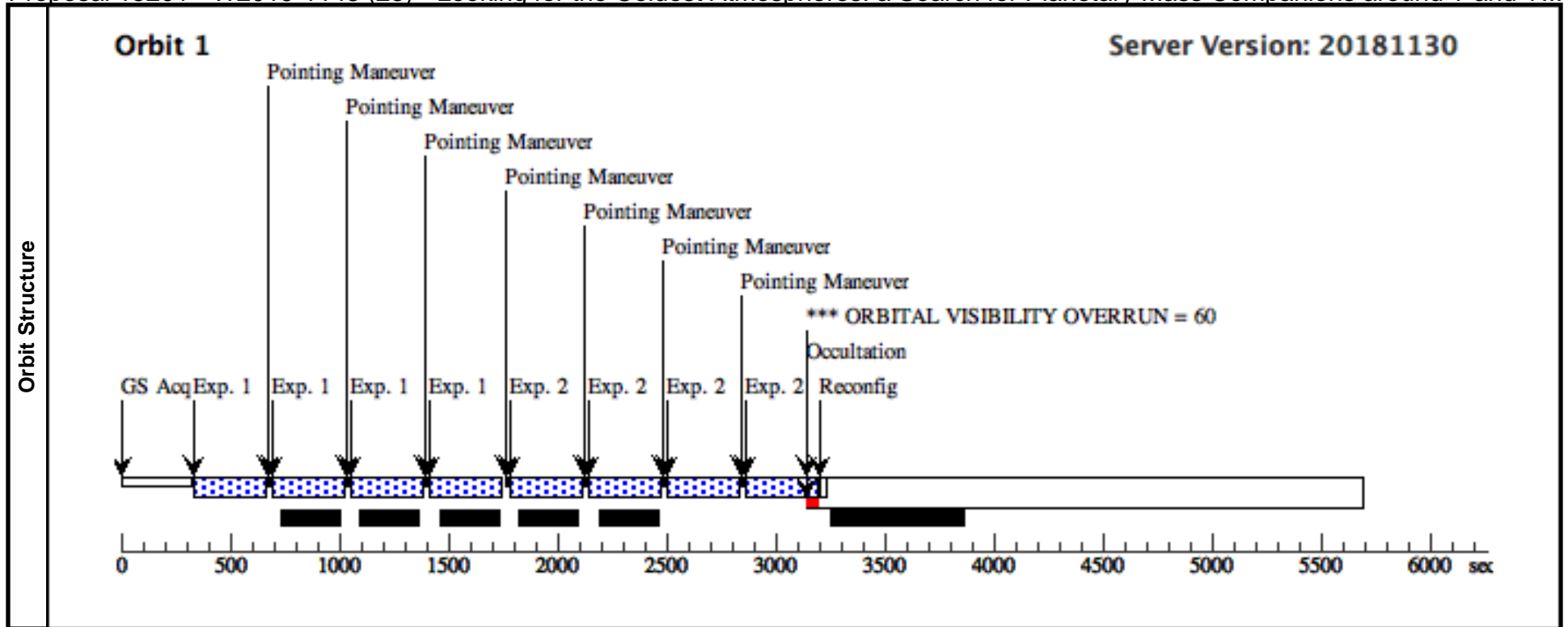
Mon Jun 10 14:00:58 GMT 2019

Visit	Proposal 15201, W1738+2732 (24), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 39D TO 45 D; ORIENT 219D TO 225 D									
	(W1738+2732 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(6)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=2.5 Line Spacing=2.5	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(24)	W1738+2732 Alt Name1: WISEJ173835.53+27325 9.0	RA: 17 38 35.5340 (264.6480583d) Dec: +27 32 59.10 (27.54975d) Equinox: J2000		V=(?) J=19.47	Reference Frame: ICRS				
Comments: Y0 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(24) W1738+2732	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0			Pattern 6, Exps 1-1 in W1738+2732 (24) (6)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(24) W1738+2732	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0		POS TARG 1,1	Pattern 6, Exps 2-2 in W1738+2732 (24) (6)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



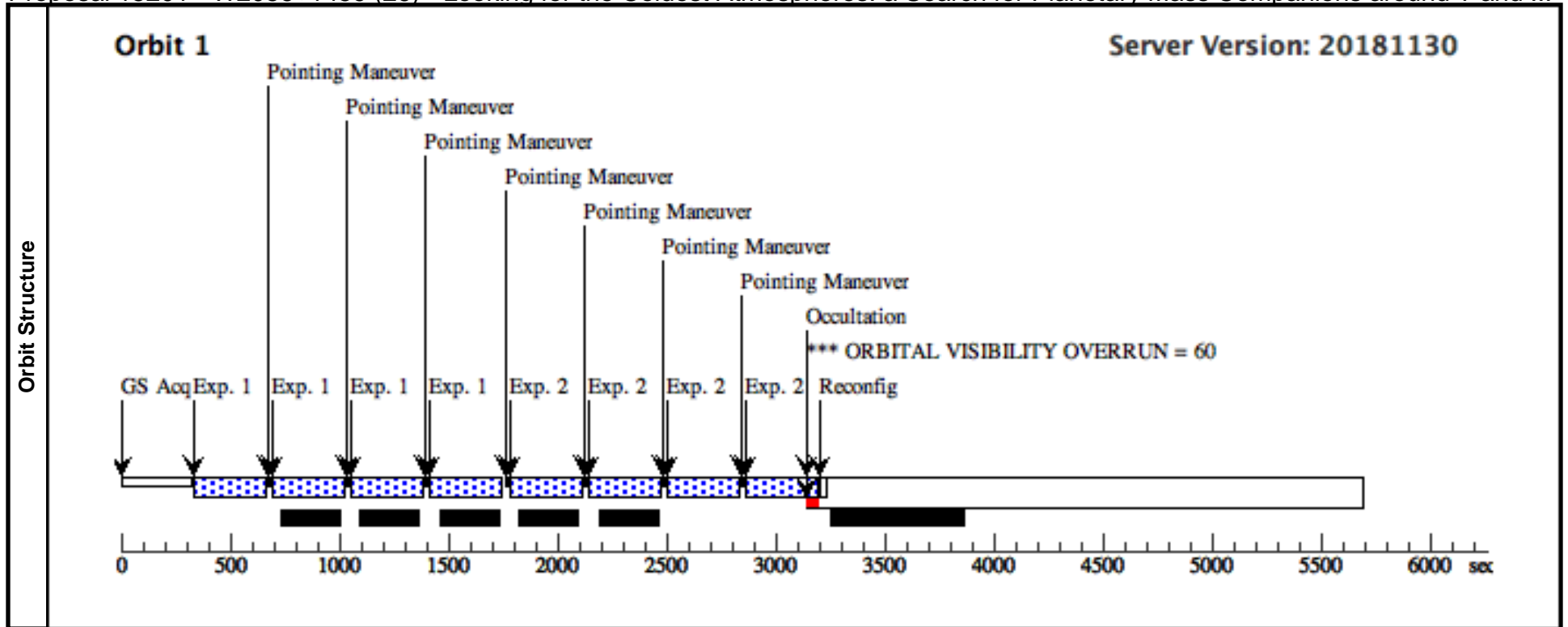
Proposal 15201 - W2019-1148 (25) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Visit	Proposal 15201, W2019-1148 (25), completed Mon Jun 10 14:00:58 GMT 2019 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Diagnostics (W2019-1148 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(4)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.5 Line Spacing=1.5	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(25)	W2019-1148 Alt Name1: WISEJ201920.76-114807.5 <i>Comments: T8.5</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>	RA: 20 19 20.7600 (304.8365000d) Dec: -11 48 7.50 (-11.80208d) Equinox: J2000		V=(?) J=18.54	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(25) W2019-1148	(25) W2019-1148	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0		Pattern 4, Exps 1-1 in W2019-1148 (25) (4)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	(25) W2019-1148	(25) W2019-1148	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 1,1	Pattern 4, Exps 2-2 in W2019-1148 (25) (4)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W2056+1459 (26) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

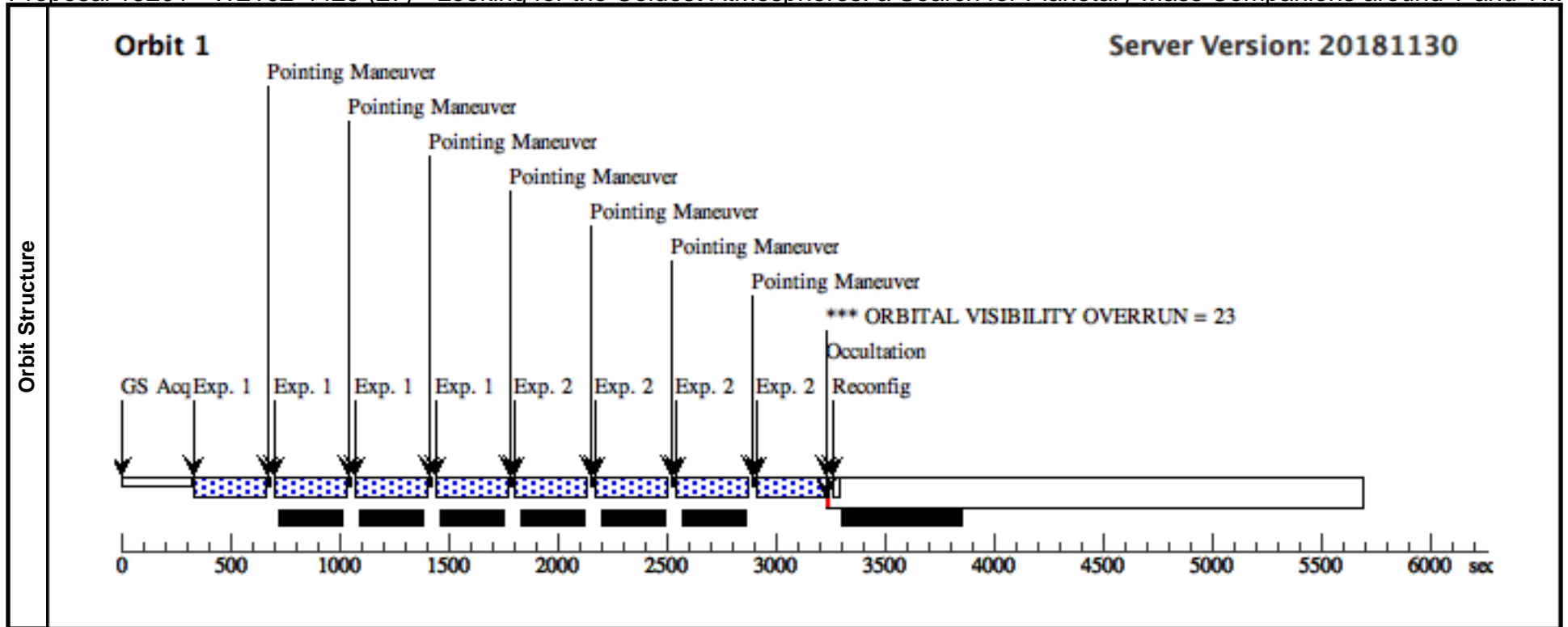
Visit	Proposal 15201, W2056+1459 (26), completed Mon Jun 10 14:00:58 GMT 2019 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 125D TO 131 D; ORIENT 305D TO 311 D									
	Diagnostics (W2056+1459 (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(4)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.5 Line Spacing=1.5	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(26)	W2056+1459 Alt Name1: WISEJ205628.91+145953.2	RA: 20 56 27.8844 (314.1161850d) Dec: +14 59 46.25 (14.99618d) Equinox: J2000		V=(?) J=19.21	Reference Frame: ICRS				
Comments: Y0 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(26) W2056+1459	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0			Pattern 4, Exps 1-1 in W2056+1459 (26) (4)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(26) W2056+1459	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0		POS TARG 1,1		Pattern 4, Exps 2-2 in W2056+1459 (26) (4)	299.232481 Secs (1196.93 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W2102-4429 (27) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

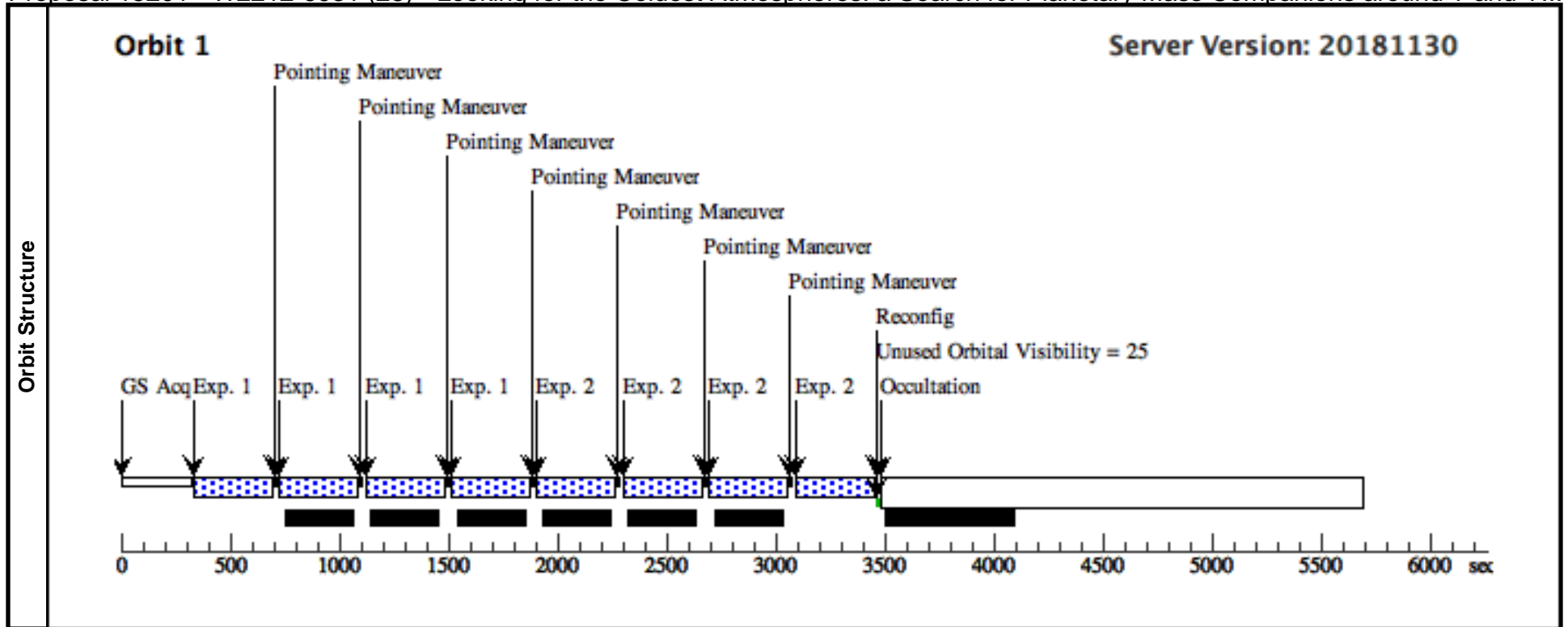
Visit	Proposal 15201, W2102-4429 (27), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(W2102-4429 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(27)	W2102-4429 Alt Name1: WISEJ210200.15-442919.5 <i>Comments: T9</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>	RA: 21 02 0.1500 (315.5006250d) Dec: -44 29 19.50 (-44.48875d) Equinox: J2000		V=(?) J=18.08	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(27) W2102-4429	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25			Pattern 2, Exps 1-1 in W2102-4429 (27) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(27) W2102-4429	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25		POS TARG 1,1		Pattern 2, Exps 2-2 in W2102-4429 (27) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W2212-6931 (28) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

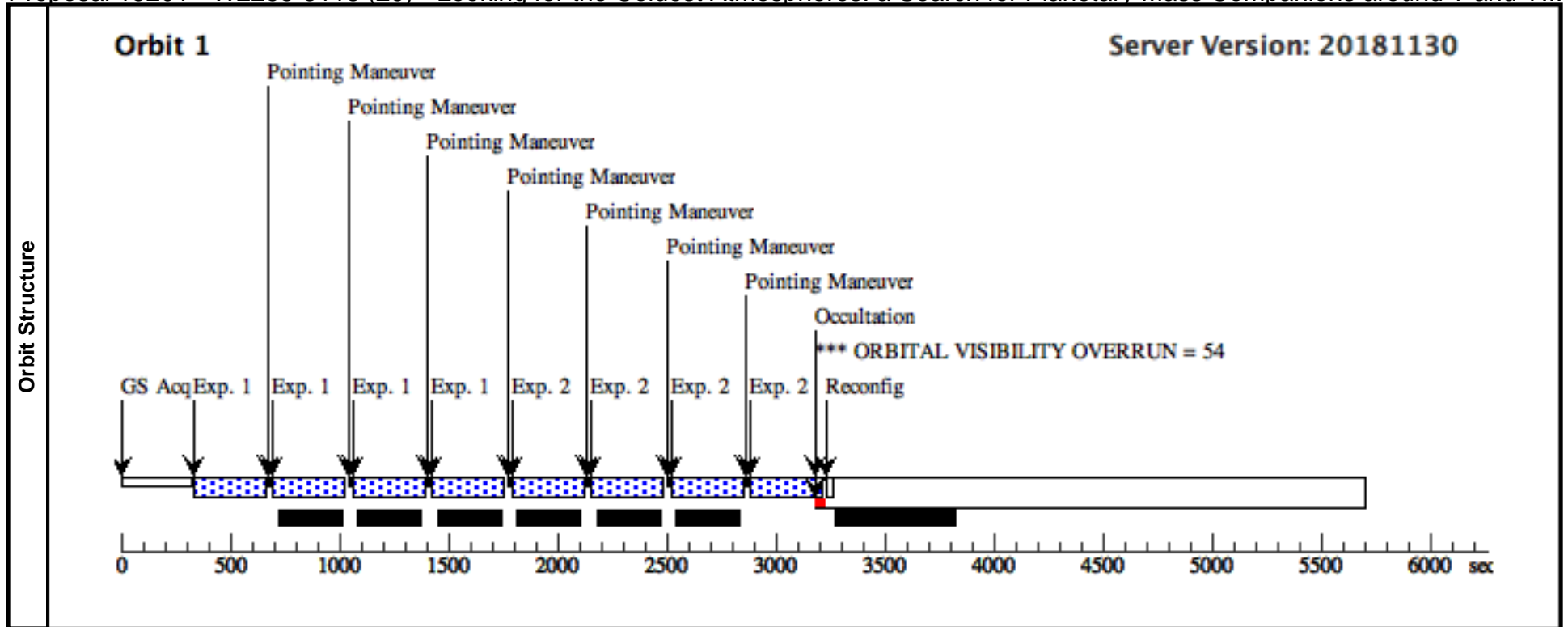
Visit	Proposal 15201, W2212-6931 (28), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 165D TO 171 D; ORIENT 345D TO 351 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(28)	W2212-6931 Alt Name1: WISEAJ221216.27-693121.6 <i>Comments: T9</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>	RA: 22 12 16.2700 (333.0677917d) Dec: -69 31 21.60 (-69.52267d) Equinox: J2000		V=(?) J=20.28	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(28) W2212-6931	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25			Pattern 2, Exps 1-1 in W2212-6931 (28) (2)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(28) W2212-6931	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 2, Exps 2-2 in W2212-6931 (28) (2)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W2255-3118 (29) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

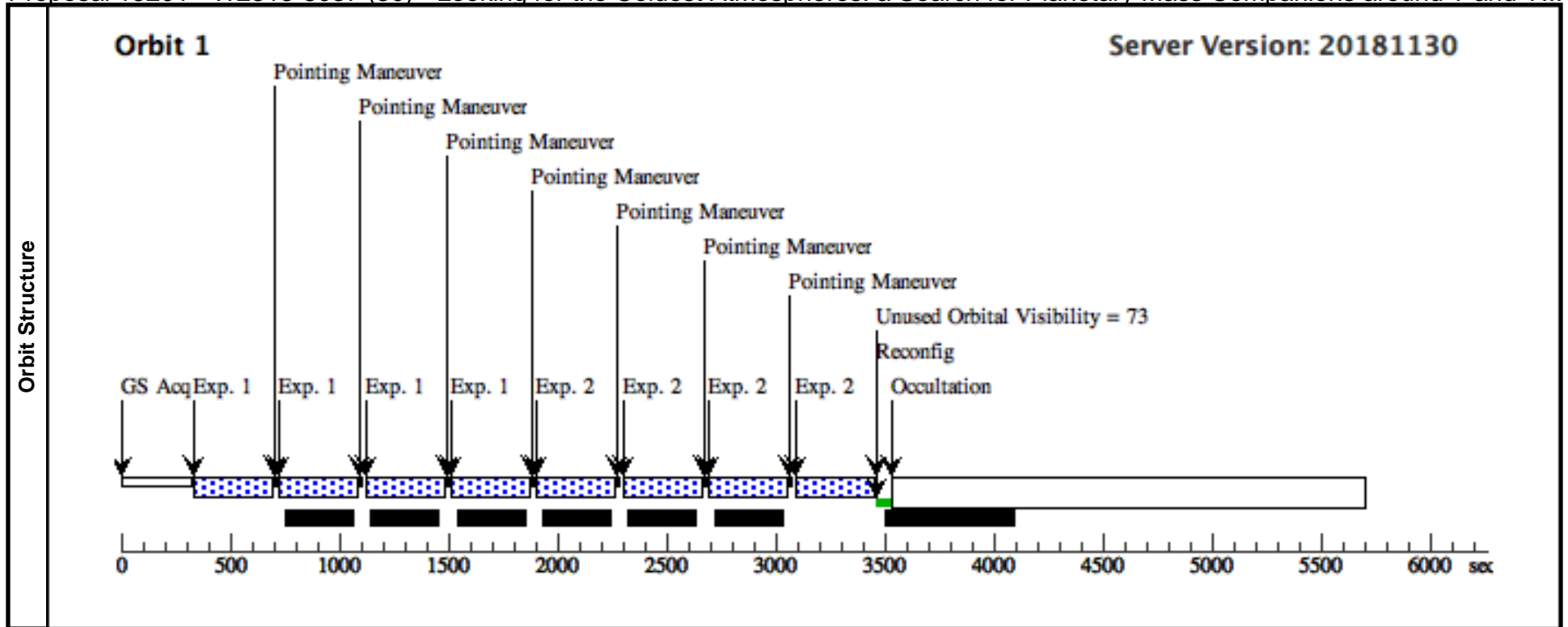
Visit	Proposal 15201, W2255-3118 (29), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 45D TO 51 D; ORIENT 225D TO 231 D									
	(W2255-3118 (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(5)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1 Line Spacing=1	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(29)	W2255-3118 Alt Name1: WISEJ225540.75-311842.0	RA: 22 55 40.7400 (343.9197500d) Dec: -31 18 41.80 (-31.31161d) Equinox: J2000		V=(?) J=17.29	Reference Frame: ICRS				
Comments: T8 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(29) W2255-3118	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25			Pattern 5, Exps 1-1 in W2255-3118 (29) (5)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	(29) W2255-3118	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 5, Exps 2-2 in W2255-3118 (29) (5)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W2313-8037 (30) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

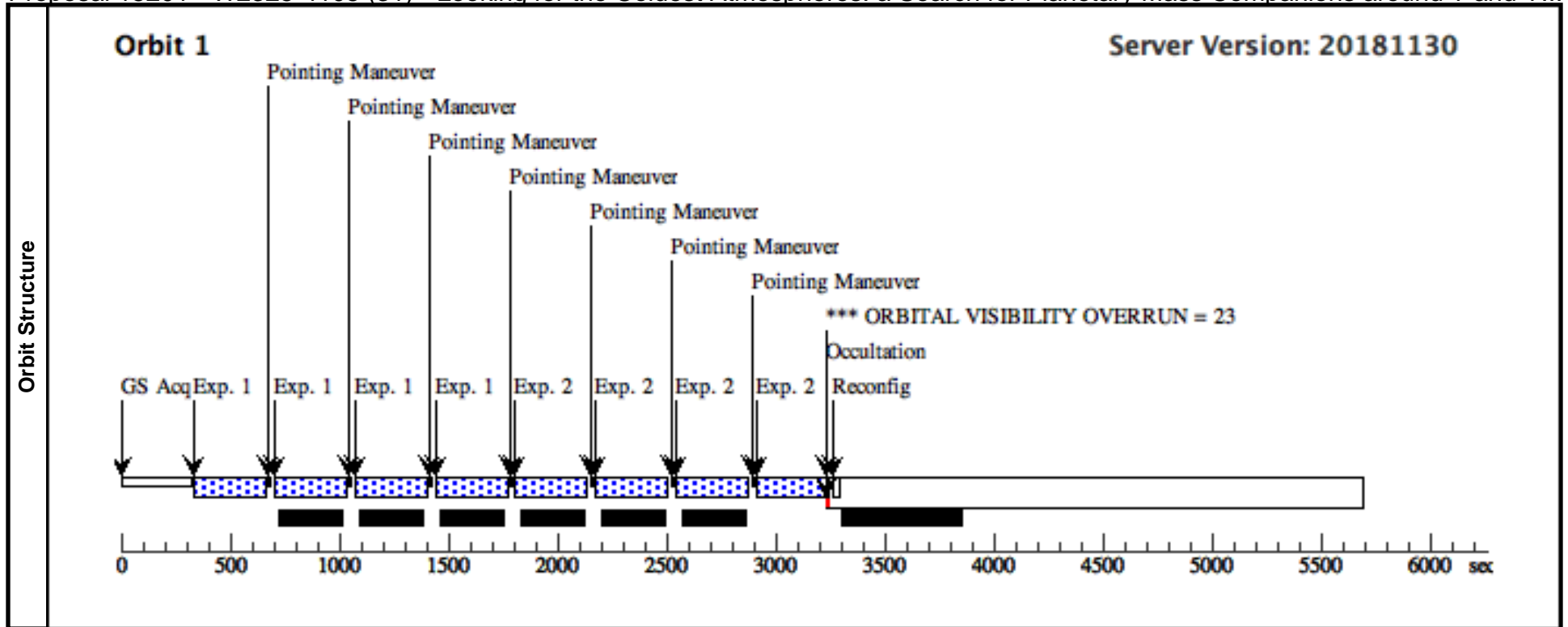
Visit	Proposal 15201, W2313-8037 (30), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 19D TO 25 D; ORIENT 199D TO 205 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(30)	W2313-8037	RA: 23 13 36.4000 (348.4016667d) Dec: -80 37 0.30 (-80.61675d) Equinox: J2000		V=(?) J=16.97	Reference Frame: ICRS				
	<i>Comments: T8</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(30) W2313-8037	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=14; SAMP-SEQ=SPAR S25			Pattern 2, Exps 1-1 in W2313-8037 (30) (2)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(30) W2313-8037	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=14; SAMP-SEQ=SPAR S25	POS TARG 1,1		Pattern 2, Exps 2-2 in W2313-8037 (30) (2)	327.938986 Secs (1311.756 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W2325-4105 (31) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

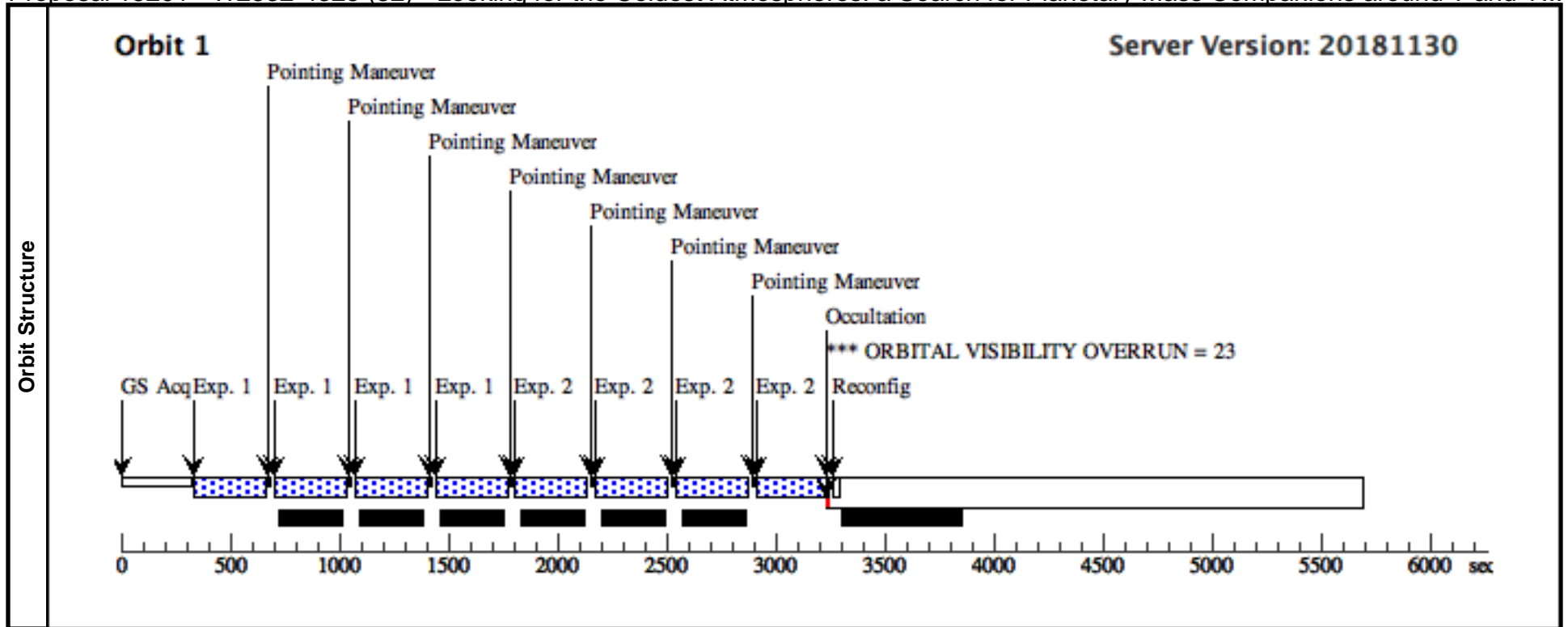
Visit	Proposal 15201, W2325-4105 (31), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 67D TO 73 D; ORIENT 247D TO 253 D									
	(W2325-4105 (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(31)	W2325-4105 Alt Name1: WISEJ232519.53-410535.0	RA: 23 25 19.5400 (351.3314167d) Dec: -41 05 34.90 (-41.09303d) Equinox: J2000		V=(?) J=19.75	Reference Frame: ICRS				
Comments: T9p Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(31) W2325-4105	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25			Pattern 2, Exps 1-1 in W2325-4105 (31) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(31) W2325-4105	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25		POS TARG 1,1		Pattern 2, Exps 2-2 in W2325-4105 (31) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 15201 - W2332-4325 (32) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and Y...

Mon Jun 10 14:00:58 GMT 2019

Visit	Proposal 15201, W2332-4325 (32), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 59D TO 65 D; ORIENT 239D TO 245 D									
	(W2332-4325 (32)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=3 Line Spacing=3	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(32)	W2332-4325 Alt Name1: WISEJ233226.49-432510.6 <i>Comments: T9</i> <i>Category=STAR</i> <i>Description=[BROWN DWARF]</i>	RA: 23 32 26.4970 (353.1104042d) Dec: -43 25 10.64 (-43.41962d) Equinox: J2000		V=(?) J=19.13	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(32) W2332-4325	(32) W2332-4325	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=13; SAMP-SEQ=SPAR S25	GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-1 in W2332-4325 (32) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2	(32) W2332-4325	(32) W2332-4325	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=13; SAMP-SEQ=SPAR S25	POS TARG 1,1	Pattern 2, Exps 2-2 in W2332-4325 (32) (2)	302.938471 Secs (1211.754 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 15201 - W2354+0240 (33) - Looking for the Coldest Atmospheres: a Search for Planetary Mass Companions around T and ...

Visit	Proposal 15201, W2354+0240 (33), completed Mon Jun 10 14:00:58 GMT 2019 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 243D TO 249 D; ORIENT 63D TO 69 D									
	(W2354+0240 (33)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(5)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1 Line Spacing=1	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1), (2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(33)	W2354+0240 Alt Name1: WISEJ235402.77+024015.0	RA: 23 54 2.6544 (358.5110600d) Dec: +02 40 3.13 (2.66754d) Equinox: J2000		V=(?) J=23.07	Reference Frame: ICRS				
Comments: Y1 Category=STAR Description=[BROWN DWARF]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(33) W2354+0240	(33) W2354+0240	WFC3/IR, MULTIACCUM, IR	F127M	NSAMP=11; SAMP-SEQ=STEP5 0			Pattern 5, Exps 1-1 in W2354+0240 (33) (5)	299.232481 Secs (1196.93 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]
2	(33) W2354+0240	(33) W2354+0240	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 1,1		Pattern 5, Exps 2-2 in W2354+0240 (33) (5)	299.232481 Secs (1196.93 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

