



14873 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

Cycle: 24, Proposal Category: GO/DD

(Availability Mode: AVAILABLE)

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) 2MASS-J23062928-0502285	WFC3/IR	7	19-Dec-2016 21:00:54.0	yes
02	(1) 2MASS-J23062928-0502285	WFC3/IR	5	19-Dec-2016 21:01:13.0	yes
03	(1) 2MASS-J23062928-0502285	WFC3/IR	6	19-Dec-2016 21:01:30.0	yes
04	(1) 2MASS-J23062928-0502285	S/C WFC3/IR	5	19-Dec-2016 21:01:44.0	yes

23 Total Orbits Used

ABSTRACT

Owing to over 1500 hours of monitoring including a recent 20-d long follow-up with the Spitzer Space Telescope, we have now constrained the architecture of TRAPPIST-1's system up to its ice line. There is no doubt left regarding the system uniqueness for Earth-sized comparative planetology and for the search for extrasolar habitats.

The present request for DDT will fulfill the urgent need to inform the community about TRAPPIST-1 planets in order to guide their follow-up, notably in the context of the upcoming JWST Cycle 1 proposal. We request 23 HST/WFC3 orbits to assess the presence of extended atmospheres.

OBSERVING DESCRIPTION

We propose to observe the transits of TRAPPIST-1's planets with WFC3 on Dec.4, Dec. 29, and Jan. 10 to obtain their transmission spectra and assess the presence of extended atmospheres.

Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

Tue Dec 20 02:01:46 GMT 2016

Visit	Proposal 14873, Visit 01, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 03-DEC-2016:23:40:00 AND 04-DEC-2016:02:00:00; VISIBILITY INTERVAL 53.0 M					
	(Visit 01) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (Visit 01) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (Visit 01) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (Visit 01) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	2MASS-J23062928-0502285	RA: 23 06 30.3700 (346.6265417d) Dec: -05 02 36.90 (-5.04358d) Equinox: J2000		V=18.798 R=16.47, I=14.02, J=11.35, K=10.30	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	Exposure 1 (Orbit 1)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	F139M	SAMP-SEQ=RAPID; NSAMP=10		2.77815 Secs (2.778 Secs) [==>]	[1]
	2	Exposure 2 (Orbit 1)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,Forward; EXP PCS MODE FINE	112.00801 Secs X 10 (1120.08 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)]	[1]
	3	Exposure 3 (Orbit 1)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,Forward; SAA CONTOUR 11; EXP PCS MODE GYRO	112.00801 Secs X 6 (672.048 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)]	[1]
	4	Exposure 4 (Orbit 2)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,Forward; NEW OBSET FULL ACQ; EXP PCS MODE FINE	112.00801 Secs X 11 (1232.088 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)]	[2]
	5	Exposure 5 (Orbit 2)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,Forward; SAA CONTOUR 11; EXP PCS MODE GYRO	112.00801 Secs X 5 (560.04 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)]	[2]

Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

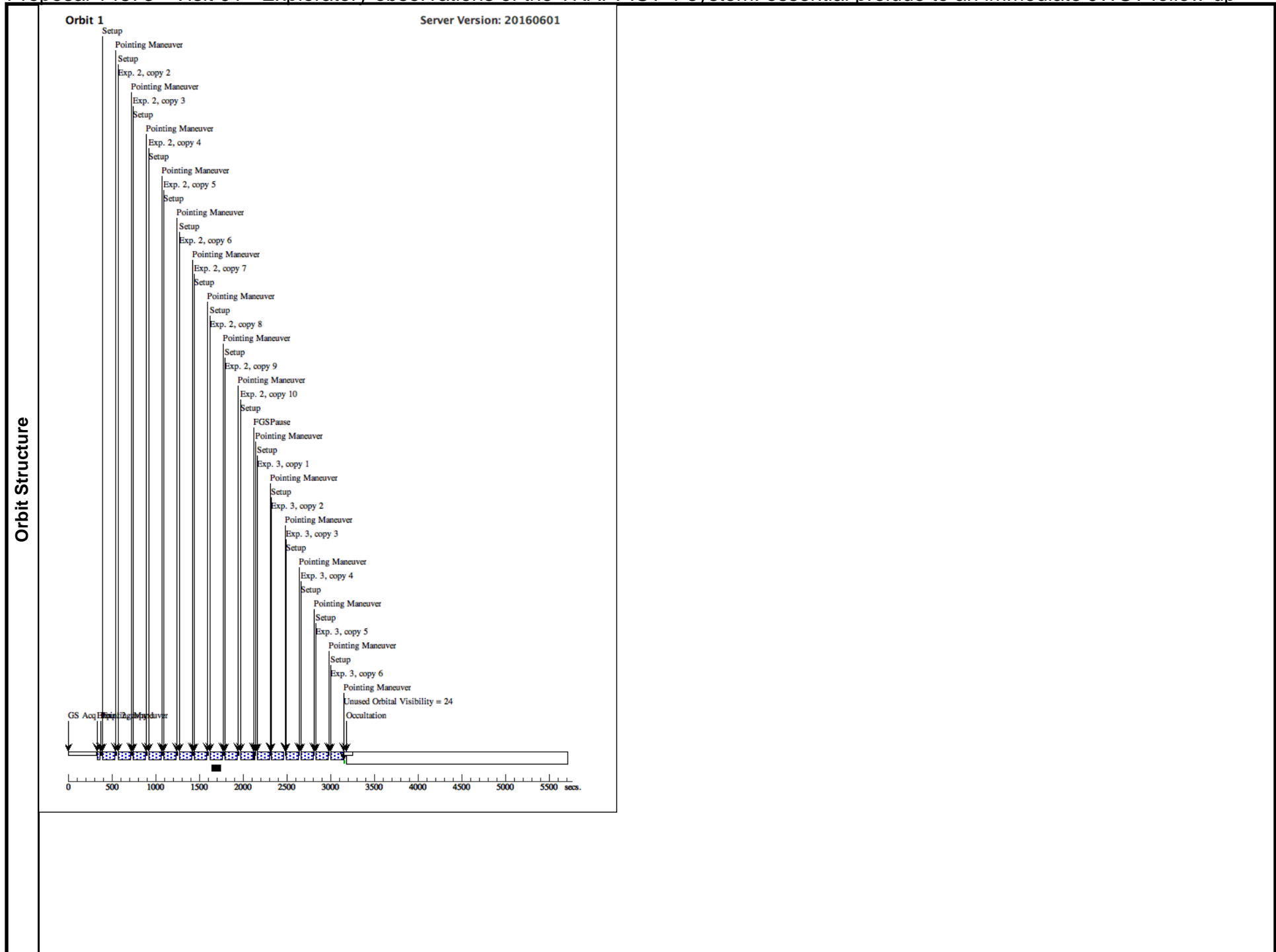
6	Exposure 6 (Orbit 3)	(1) 2MASS-J23062928-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees, Forward; NEW OBSET FULL ACQ; EXP PCS MODE FINE	112.00801 Secs X 12 (1344.096 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)]	[3]
7	Exposure 7 (Orbit 3)	(1) 2MASS-J23062928-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees, Forward; SAA CONTOUR 11; EXP PCS MODE GYRO	112.00801 Secs X 4 (448.032 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)]	[3]
8	Exposure 8 (Orbit 4)	(1) 2MASS-J23062928-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees, Forward; NEW OBSET FULL ACQ; EXP PCS MODE FINE	112.00801 Secs X 14 (1568.112 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)] [==>(Copy 13)] [==>(Copy 14)]	[4]
9	Exposure 9 (Orbit 4)	(1) 2MASS-J23062928-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees, Forward; SAA CONTOUR 11; EXP PCS MODE GYRO	112.00801 Secs X 2 (224.016 Secs) [==>(Copy 1)] [==>(Copy 2)]	[4]

Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

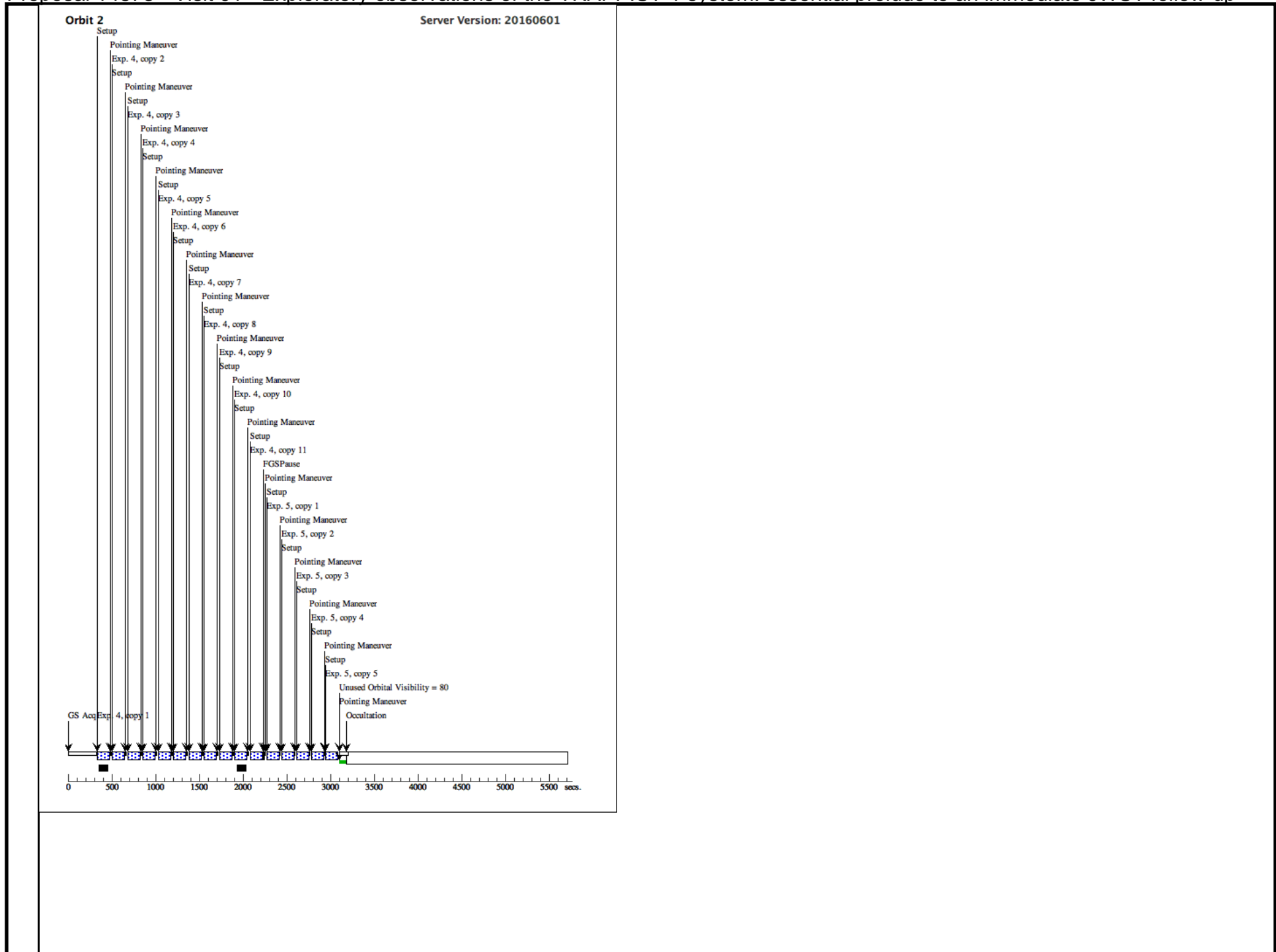
10	Exposure 10 (Orbit 5)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,For ward; NEW OBSET FULL ACQ; EXP PCS MODE FI NE	112.00801 Secs X 16 (1792.128 Sec s) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)] [==>(Copy 13)] [==>(Copy 14)] [==>(Copy 15)] [==>(Copy 16)]	[5]
11	Exposure 11 (Orbit 6)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,For ward	112.00801 Secs X 17 (1904.136 Sec s) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)] [==>(Copy 13)] [==>(Copy 14)] [==>(Copy 15)] [==>(Copy 16)] [==>(Copy 17)]	[6]

Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

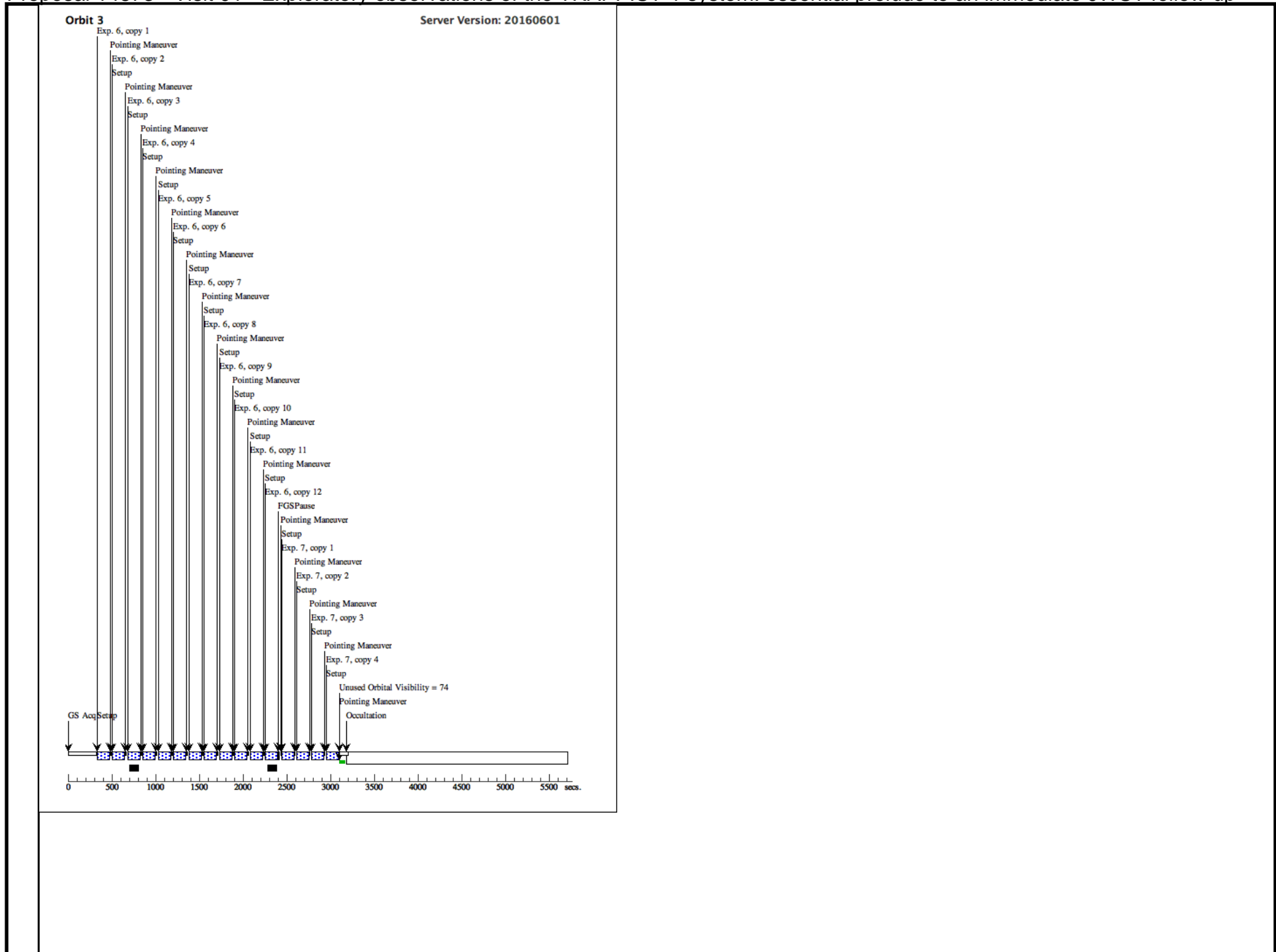
12	Exposure 12 (Orbit 7)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27.90.0 Degrees,For ward	112.00801 Secs X 17 (1904.136 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)] [==>(Copy 13)] [==>(Copy 14)] [==>(Copy 15)] [==>(Copy 16)] [==>(Copy 17)]	[7]
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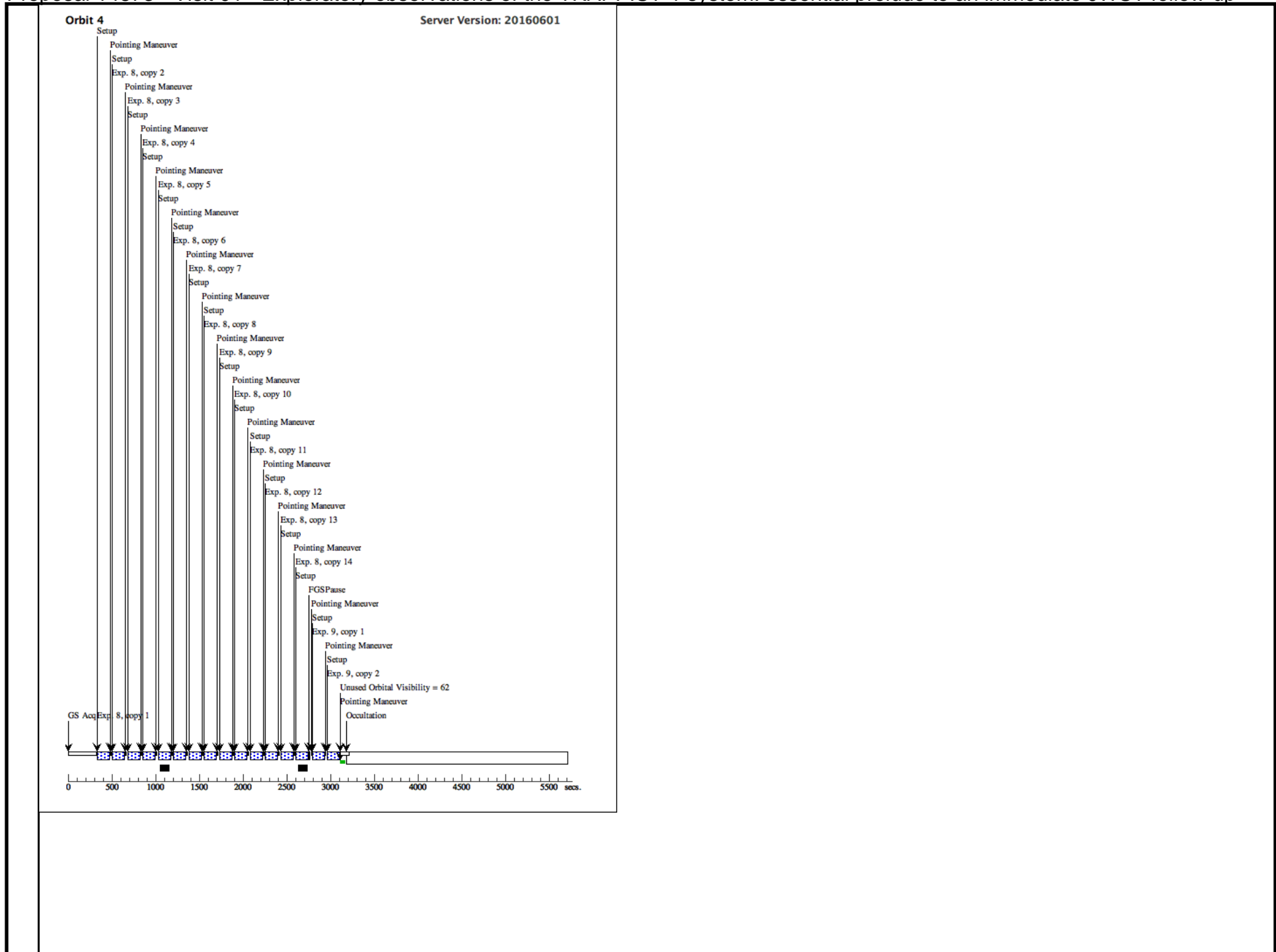
Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

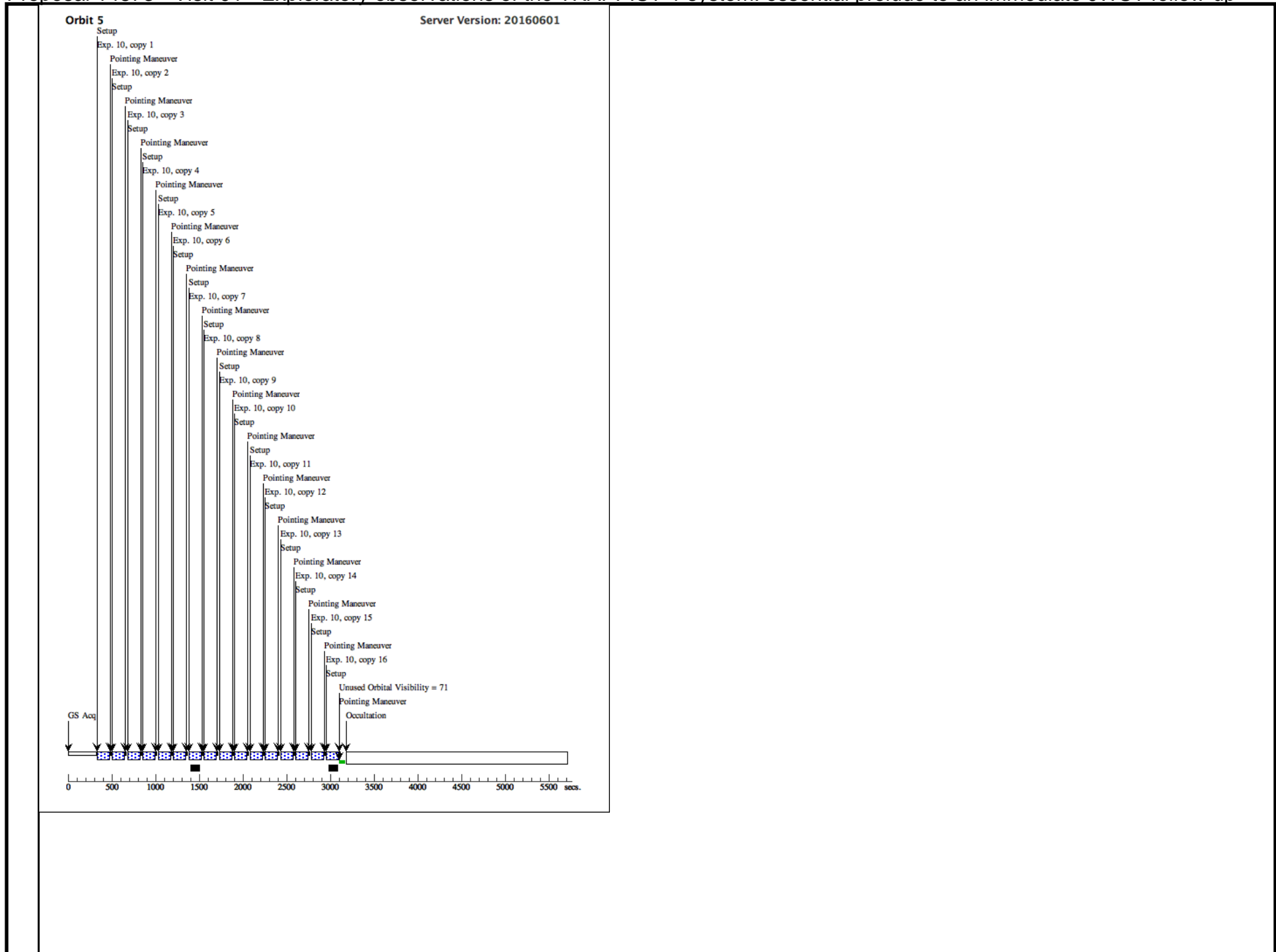


Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

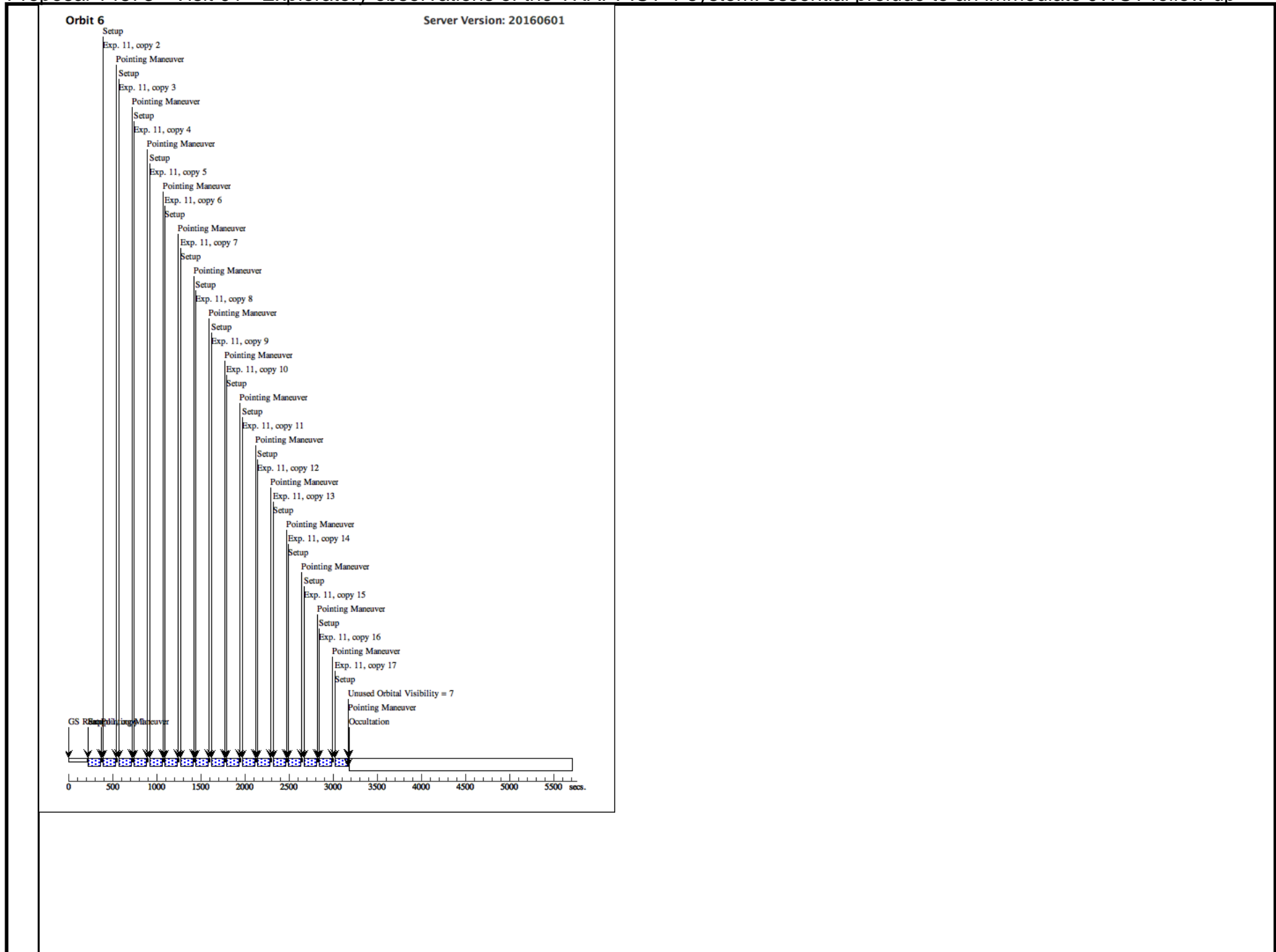


Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

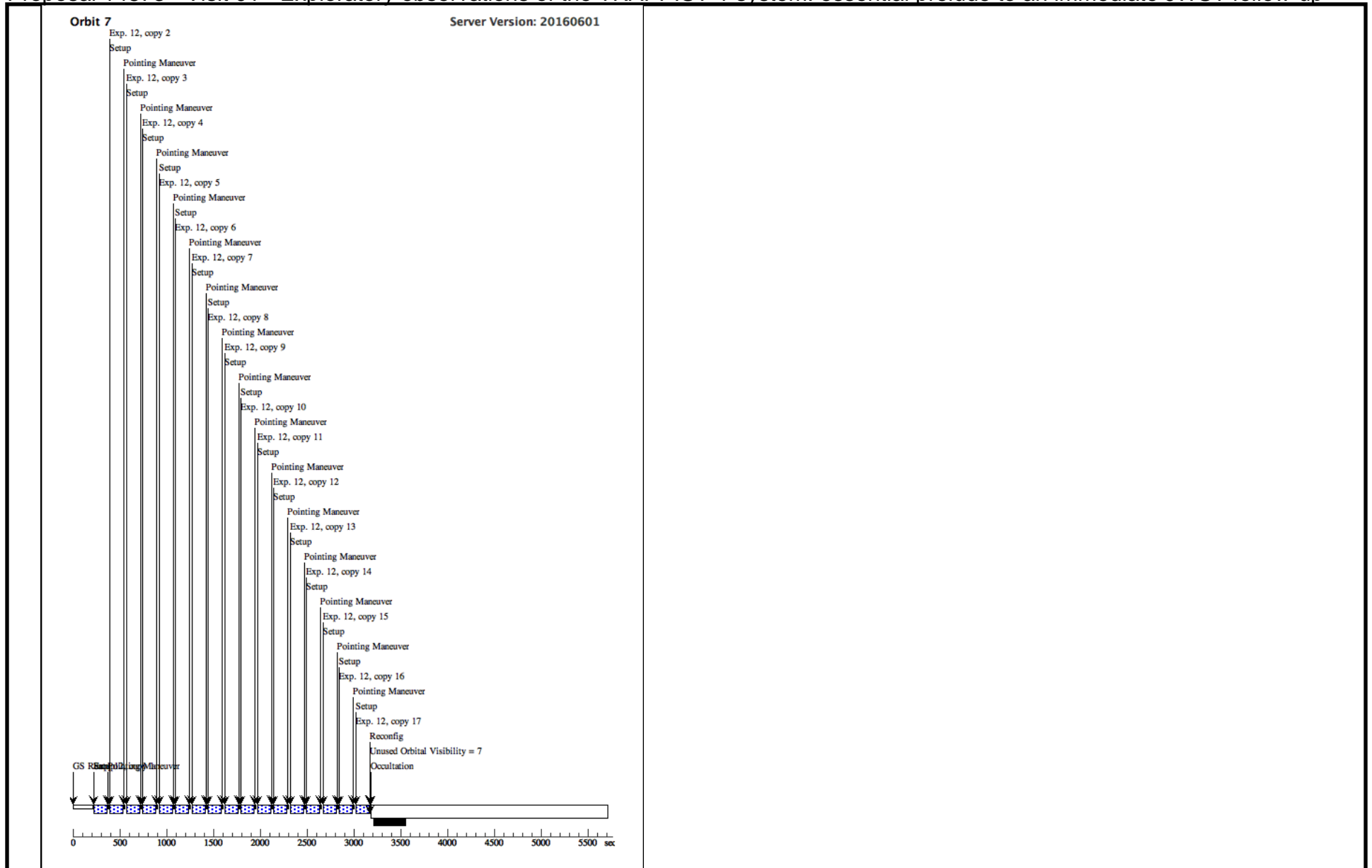




Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up



Proposal 14873 - Visit 01 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up



Proposal 14873 - Visit 02 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

Visit	Proposal 14873, Visit 02, scheduling Tue Dec 20 02:01:47 GMT 2016 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 29-DEC-2016:03:40:00 AND 29-DEC-2016:11:30:00					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(1)		2MASS-J23062928-0502285	RA: 23 06 30.3700 (346.6265417d) Dec: -05 02 36.90 (-5.04358d) Equinox: J2000		V=18.798 R=16.47, I=14.02, J=11.35, K=10.30	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 14873 - Visit 02 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	F139M	SAMP-SEQ=RAPID ; NSAMP=10			2.77815 Secs (2.778 Secs) [==>]	[1]

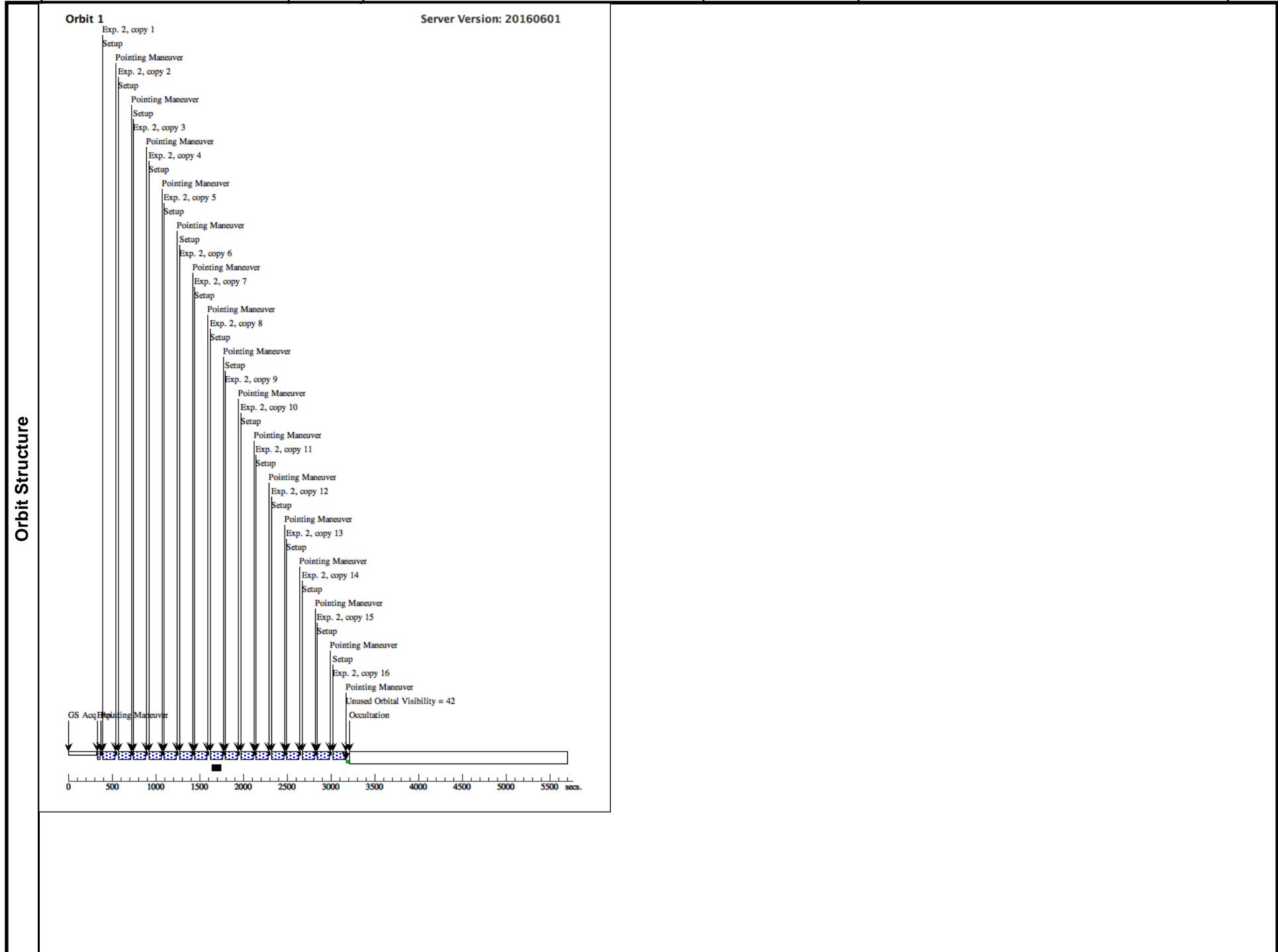
Exposures

Proposal 14873 - Visit 02 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

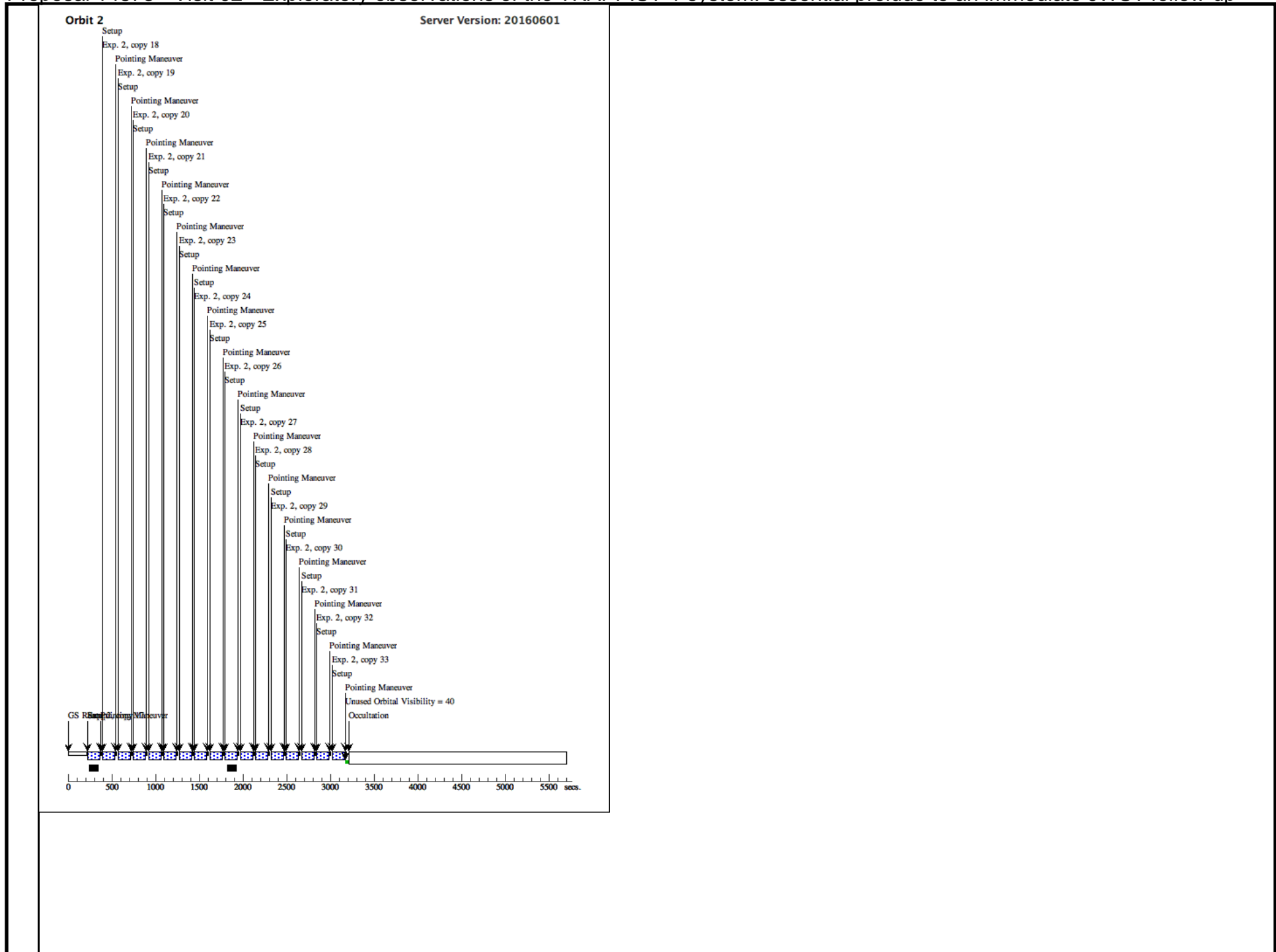
2	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27.90.0 Degrees,For ward	112.00801 Secs X 84 (9408.673 Secs)	
<p>[==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)] [==>(Copy 13)] [==>(Copy 14)] [==>(Copy 15)] [==>(Copy 16)]</p>							[1]
<p>[==>(Copy 17)] [==>(Copy 18)] [==>(Copy 19)] [==>(Copy 20)] [==>(Copy 21)] [==>(Copy 22)] [==>(Copy 23)] [==>(Copy 24)] [==>(Copy 25)] [==>(Copy 26)] [==>(Copy 27)] [==>(Copy 28)] [==>(Copy 29)] [==>(Copy 30)] [==>(Copy 31)] [==>(Copy 32)] [==>(Copy 33)]</p>							[2]

	<p>[==>(Copy 34)] [==>(Copy 35)] [==>(Copy 36)] [==>(Copy 37)] [==>(Copy 38)] [==>(Copy 39)] [==>(Copy 40)] [==>(Copy 41)] [==>(Copy 42)] [==>(Copy 43)] [==>(Copy 44)] [==>(Copy 45)] [==>(Copy 46)] [==>(Copy 47)] [==>(Copy 48)] [==>(Copy 49)] [==>(Copy 50)]</p>	<p>[3]</p>
	<p>[==>(Copy 51)] [==>(Copy 52)] [==>(Copy 53)] [==>(Copy 54)] [==>(Copy 55)] [==>(Copy 56)] [==>(Copy 57)] [==>(Copy 58)] [==>(Copy 59)] [==>(Copy 60)] [==>(Copy 61)] [==>(Copy 62)] [==>(Copy 63)] [==>(Copy 64)] [==>(Copy 65)] [==>(Copy 66)] [==>(Copy 67)]</p>	<p>[4]</p>

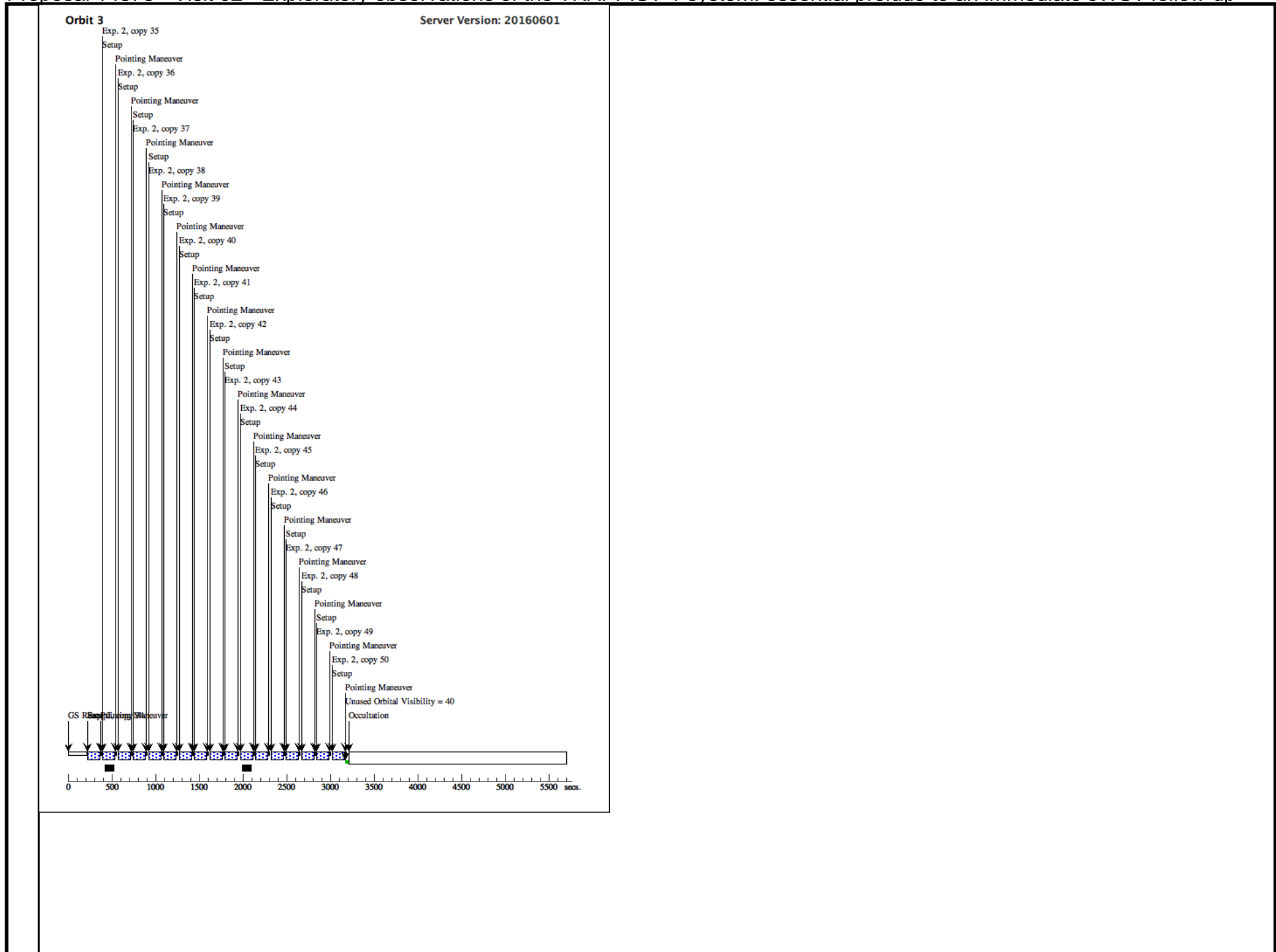
		<p>[==>(Copy 68)] [==>(Copy 69)] [==>(Copy 70)] [==>(Copy 71)] [==>(Copy 72)] [==>(Copy 73)] [==>(Copy 74)] [==>(Copy 75)] [==>(Copy 76)] [==>(Copy 77)] [==>(Copy 78)] [==>(Copy 79)] [==>(Copy 80)] [==>(Copy 81)] [==>(Copy 82)] [==>(Copy 83)] [==>(Copy 84)]</p>	<p>[5]</p>
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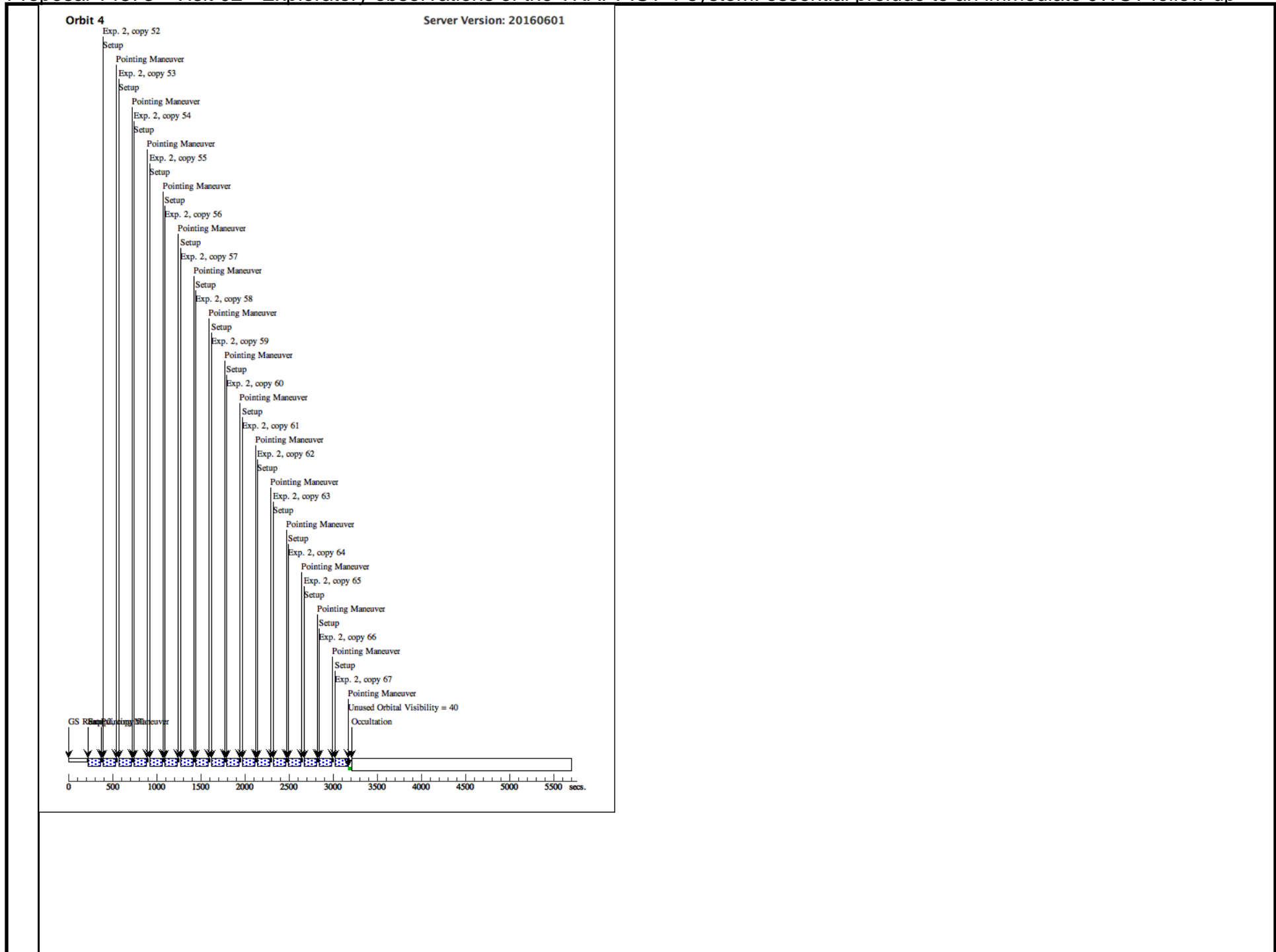
Proposal 14873 - Visit 02 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up



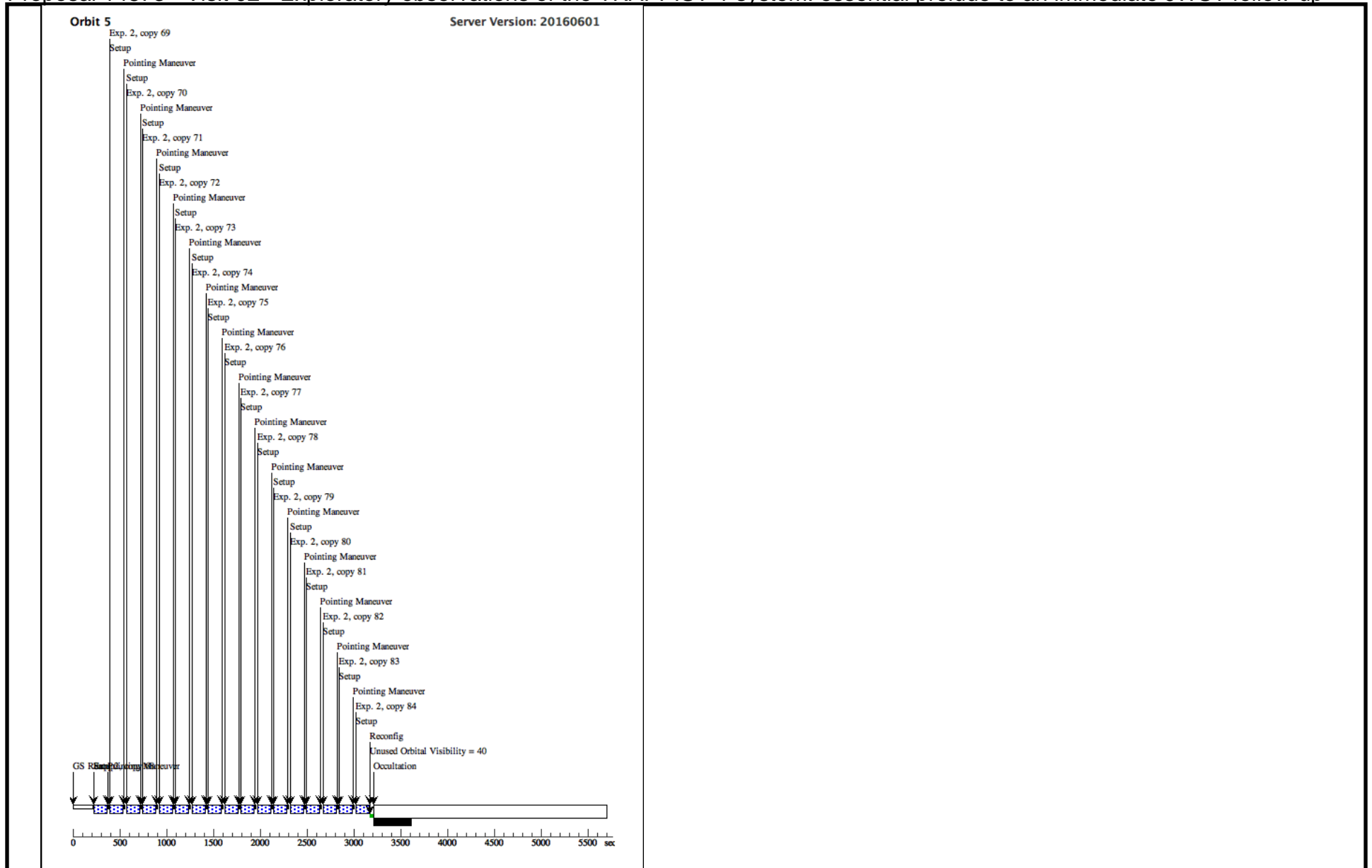
Proposal 14873 - Visit 02 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up



Proposal 14873 - Visit 02 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up



Proposal 14873 - Visit 02 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up



Proposal 14873 - Visit 03 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

Tue Dec 20 02:01:48 GMT 2016

Visit	Proposal 14873, Visit 03, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: BETWEEN 09-JAN-2017:16:40:00 AND 09-JAN-2017:17:40:00																	
	Diagnostics	(Visit 03) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO (Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																
Fixed Targets		<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>2MASS-J23062928-0502285</td> <td>RA: 23 06 30.3700 (346.6265417d) Dec: -05 02 36.90 (-5.04358d) Equinox: J2000</td> <td></td> <td>V=18.798 R=16.47, I=14.02, J=11.35, K=10.30</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	2MASS-J23062928-0502285	RA: 23 06 30.3700 (346.6265417d) Dec: -05 02 36.90 (-5.04358d) Equinox: J2000		V=18.798 R=16.47, I=14.02, J=11.35, K=10.30
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous												
(1)	2MASS-J23062928-0502285	RA: 23 06 30.3700 (346.6265417d) Dec: -05 02 36.90 (-5.04358d) Equinox: J2000		V=18.798 R=16.47, I=14.02, J=11.35, K=10.30	Reference Frame: SIMBAD													
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>																		

Proposal 14873 - Visit 03 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

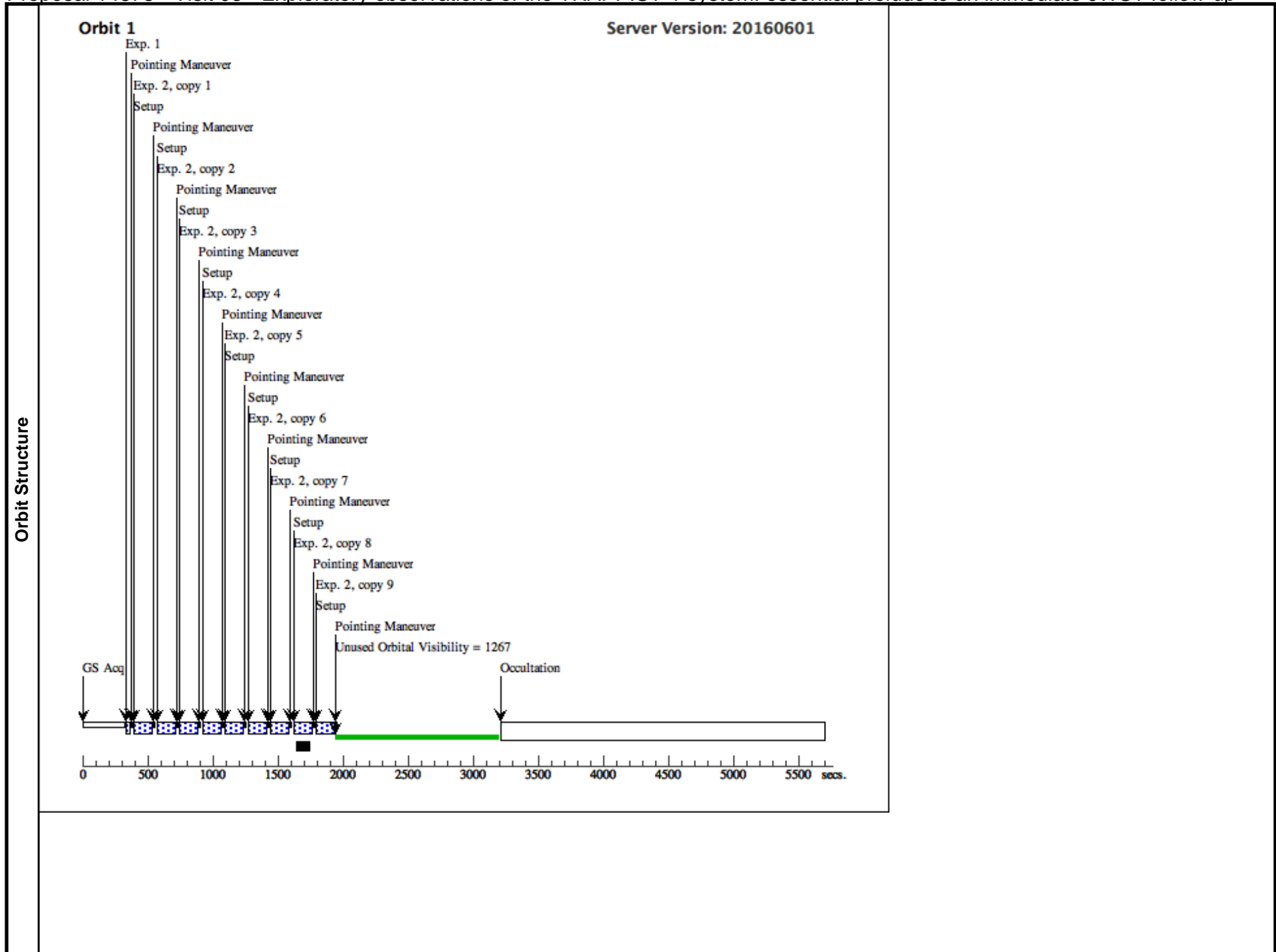
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	Exposure 1 (Orbit 1)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	F139M	SAMP-SEQ=RAPID ; NSAMP=10		2.77815 Secs (2.778 Secs) [==>]	[1]
	2	Exposure 2 (Orbit 1)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,Forward; EXP PCS MODE FINE	112.00801 Secs X 9 (1008.072 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)]	[1]
	3	Exposure 3 (Orbit 2)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,Forward; EXP PCS MODE FINE	112.00801 Secs X 2 (224.016 Secs) [==>(Copy 1)] [==>(Copy 2)]	[2]
	4	Exposure 4 (Orbit 2)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27,90.0 Degrees,Forward; SAA CONTOUR 11; EXP PCS MODE GYRO	112.00801 Secs X 15 (1680.12 Secs) [==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)] [==>(Copy 13)] [==>(Copy 14)] [==>(Copy 15)]	[2]

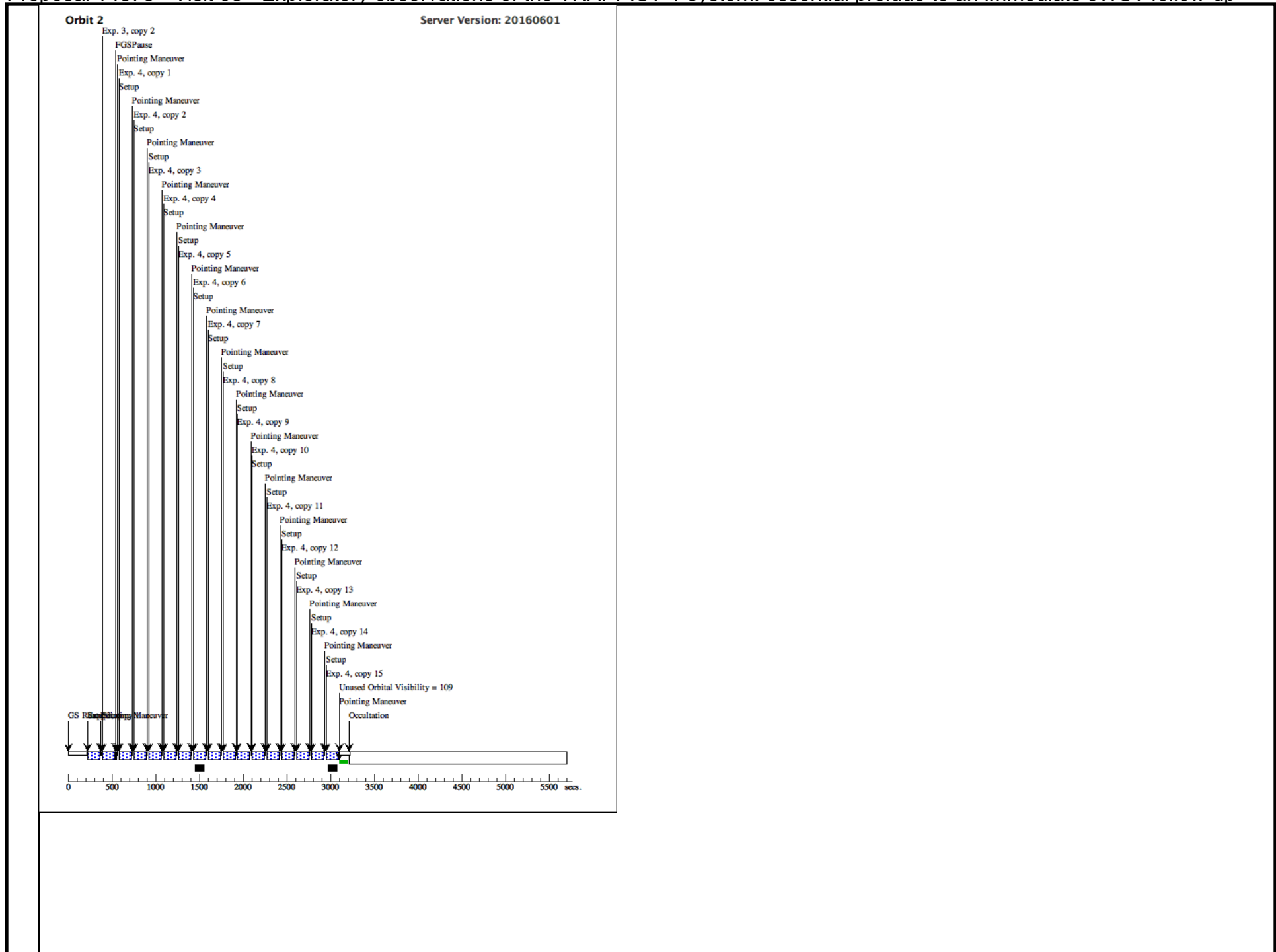
Proposal 14873 - Visit 03 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

5	Exposure 5 ((1) 2MASS-J230629 WFC3/IR, MULTIACCUM, Orbits 3-6) 28-0502285 GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27.90.0 Degrees,Forward; NEW OBSET FULL ACQ; EXP PCS MODE FI NE	112.00801 Secs X 67 (7504.537 Secs)	
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					[==>(Copy 29)]	
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					[==>(Copy 31)]	
					[==>(Copy 32)]	

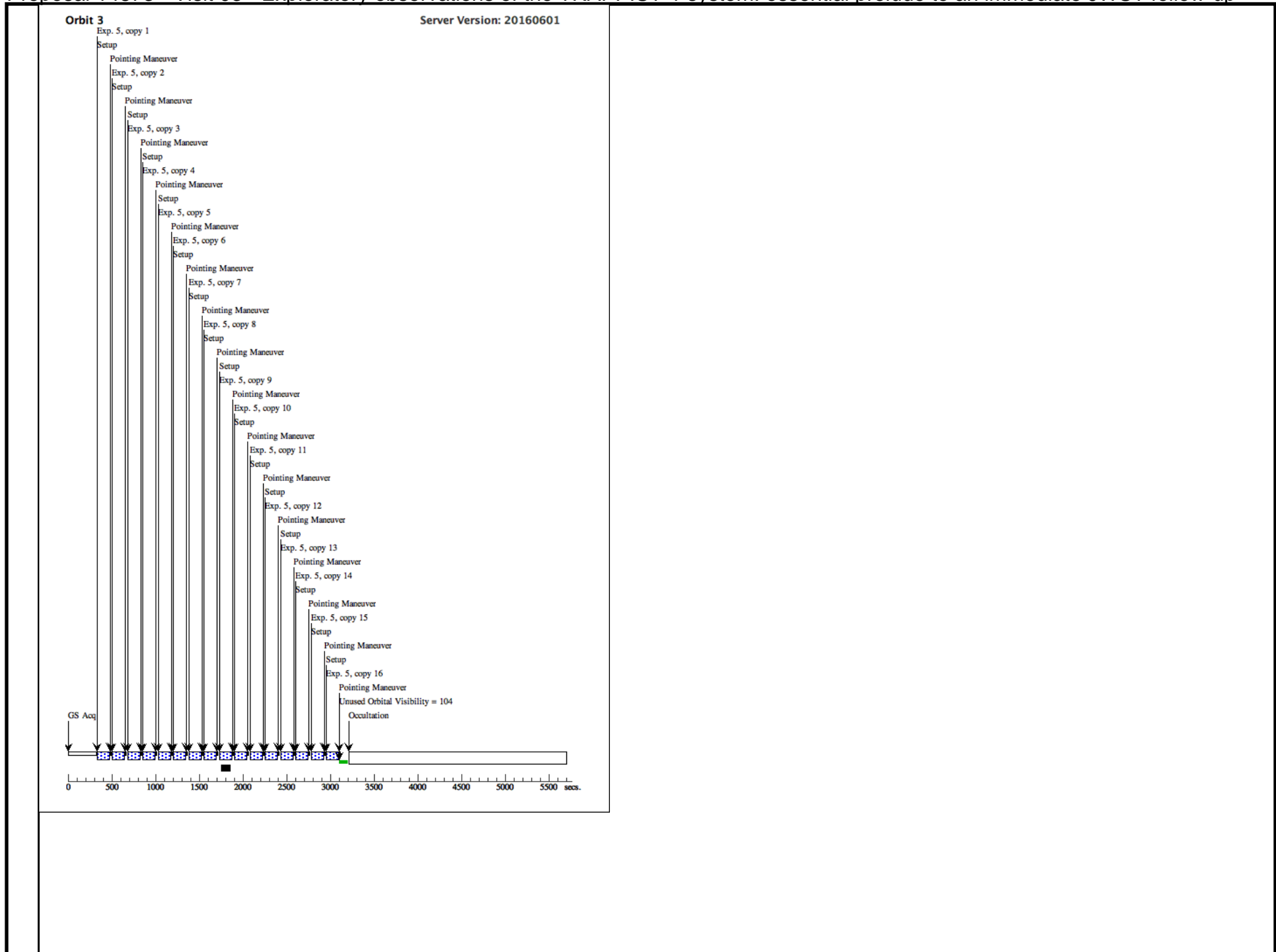
Proposal 14873 - Visit 03 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

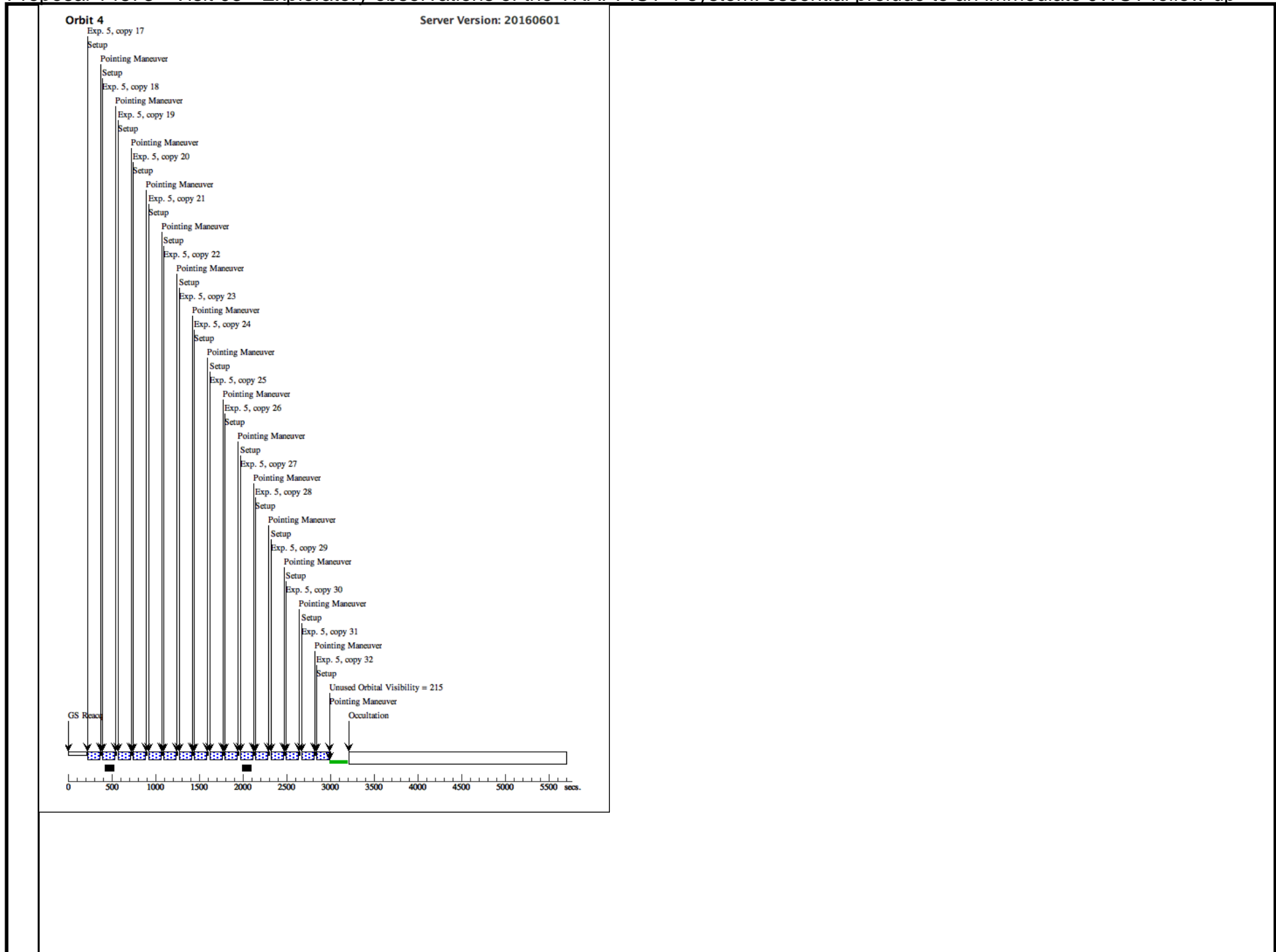
		<p>[==>(Copy 33)] [==>(Copy 34)] [==>(Copy 35)] [==>(Copy 36)] [==>(Copy 37)] [==>(Copy 38)] [==>(Copy 39)] [==>(Copy 40)] [==>(Copy 41)] [==>(Copy 42)] [==>(Copy 43)] [==>(Copy 44)] [==>(Copy 45)] [==>(Copy 46)] [==>(Copy 47)] [==>(Copy 48)]</p>	<p>[5]</p>
		<p>[==>(Copy 49)] [==>(Copy 50)] [==>(Copy 51)] [==>(Copy 52)] [==>(Copy 53)] [==>(Copy 54)] [==>(Copy 55)] [==>(Copy 56)] [==>(Copy 57)] [==>(Copy 58)] [==>(Copy 59)] [==>(Copy 60)] [==>(Copy 61)] [==>(Copy 62)] [==>(Copy 63)] [==>(Copy 64)] [==>(Copy 65)] [==>(Copy 66)] [==>(Copy 67)]</p>	<p>[6]</p>



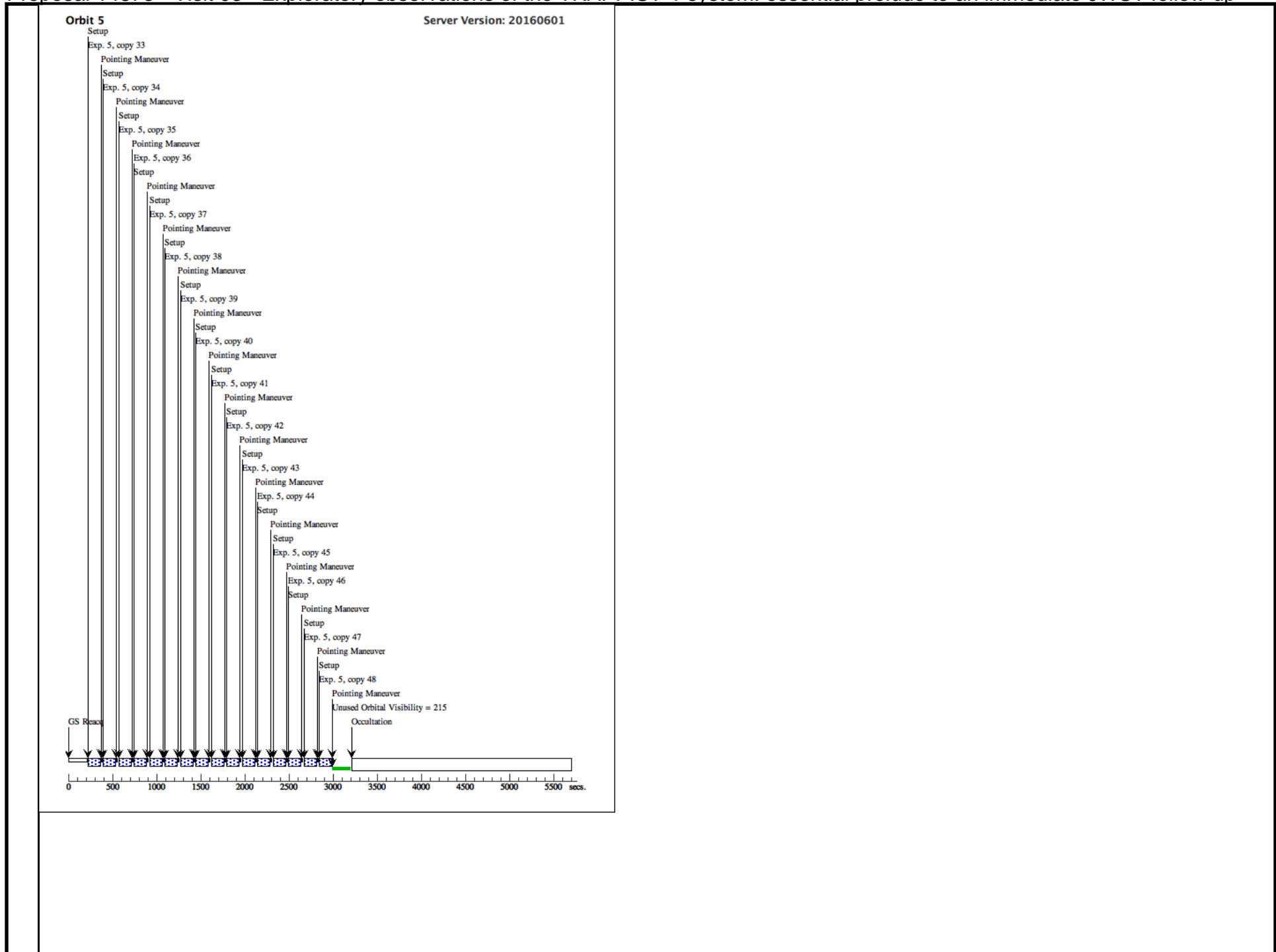


Proposal 14873 - Visit 03 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

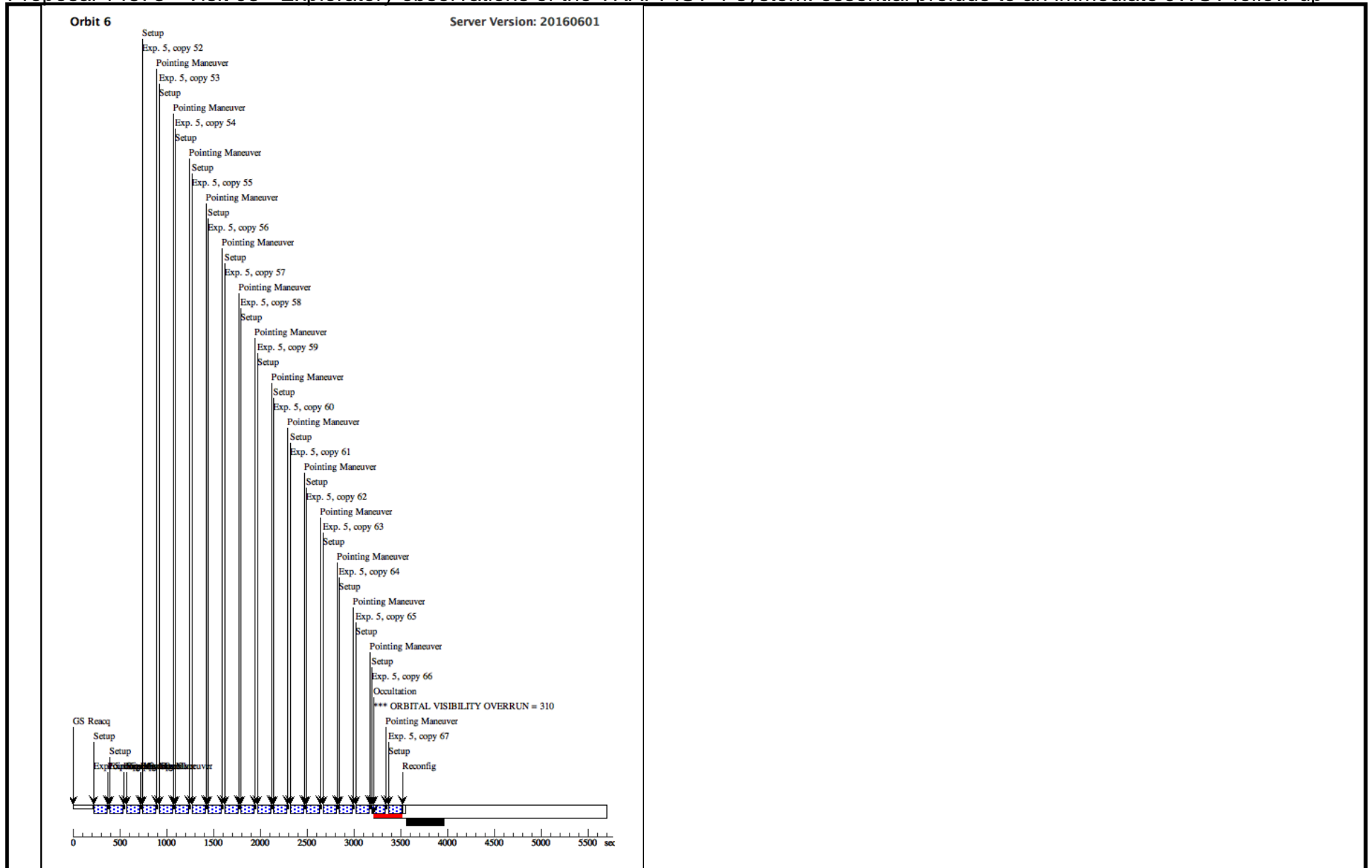




Proposal 14873 - Visit 03 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up



Proposal 14873 - Visit 03 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up



Proposal 14873 - Visit 04 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

Tue Dec 20 02:01:48 GMT 2016

Visit	Proposal 14873, Visit 04, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR, S/C Special Requirements: BETWEEN 10-JAN-2017:09:40:00 AND 10-JAN-2017:10:30:00																
	Diagnosics (Visit 04) Warning (Orbit Planner): EXPOSURE WITH SAA CONTOUR 11 WILL EXECUTE ON GYRO																
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>2MASS-J23062928-0502285</td> <td>RA: 23 06 30.3700 (346.6265417d) Dec: -05 02 36.90 (-5.04358d) Equinox: J2000</td> <td></td> <td>V=18.798 R=16.47, I=14.02, J=11.35, K=10.30</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	2MASS-J23062928-0502285	RA: 23 06 30.3700 (346.6265417d) Dec: -05 02 36.90 (-5.04358d) Equinox: J2000		V=18.798 R=16.47, I=14.02, J=11.35, K=10.30	Reference Frame: SIMBAD
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)	2MASS-J23062928-0502285	RA: 23 06 30.3700 (346.6265417d) Dec: -05 02 36.90 (-5.04358d) Equinox: J2000		V=18.798 R=16.47, I=14.02, J=11.35, K=10.30	Reference Frame: SIMBAD												
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>																	

Proposal 14873 - Visit 04 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Exposure 1 (Orbit 1)	(1) 2MASS-J230629-28-0502285	WFC3/IR, MULTIACCUM, GRISM256	F139M	SAMP-SEQ=RAPID ; NSAMP=10			2.77815 Secs (2.778 Secs) [==>]	[1]

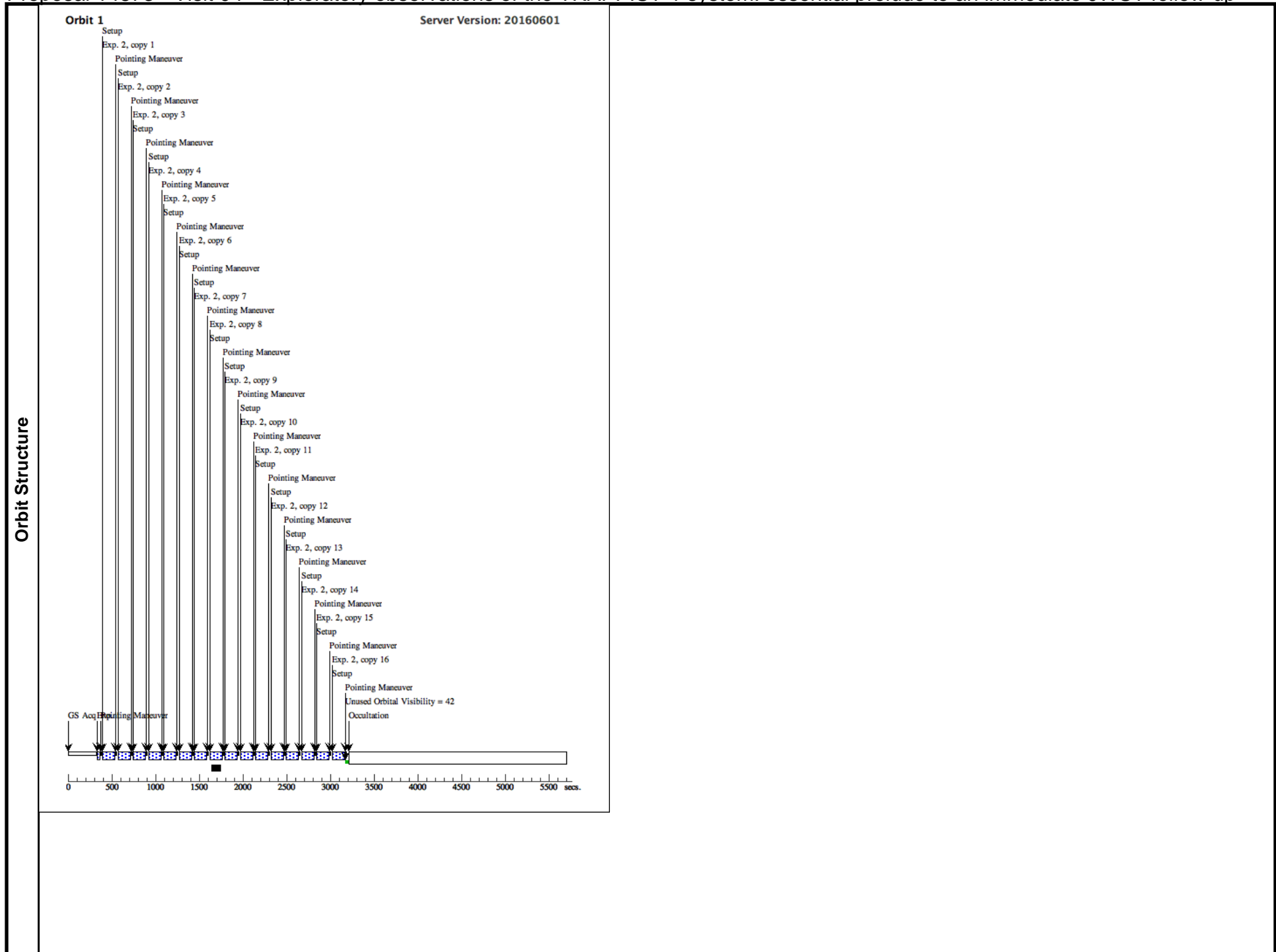
Exposures

Proposal 14873 - Visit 04 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

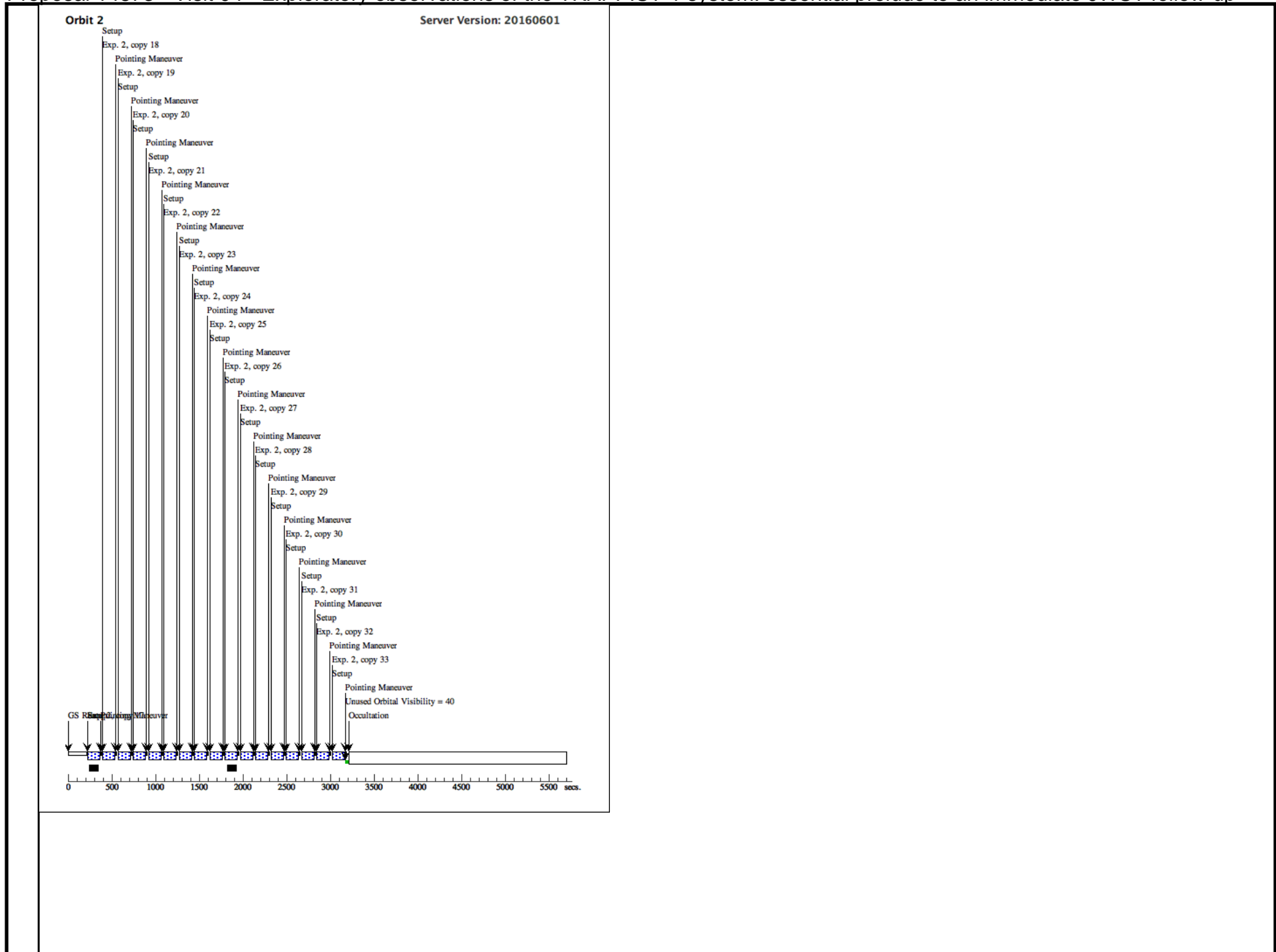
2	Exposure 2 ((1) 2MASS-J230629 Orbits 1-4) 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27.90.0 Degrees,Forward	112.00801 Secs X 52 (5824.417 Secs)	
<p>[==>(Copy 1)] [==>(Copy 2)] [==>(Copy 3)] [==>(Copy 4)] [==>(Copy 5)] [==>(Copy 6)] [==>(Copy 7)] [==>(Copy 8)] [==>(Copy 9)] [==>(Copy 10)] [==>(Copy 11)] [==>(Copy 12)] [==>(Copy 13)] [==>(Copy 14)] [==>(Copy 15)] [==>(Copy 16)]</p>							[1]
<p>[==>(Copy 17)] [==>(Copy 18)] [==>(Copy 19)] [==>(Copy 20)] [==>(Copy 21)] [==>(Copy 22)] [==>(Copy 23)] [==>(Copy 24)] [==>(Copy 25)] [==>(Copy 26)] [==>(Copy 27)] [==>(Copy 28)] [==>(Copy 29)] [==>(Copy 30)] [==>(Copy 31)] [==>(Copy 32)] [==>(Copy 33)]</p>							[2]

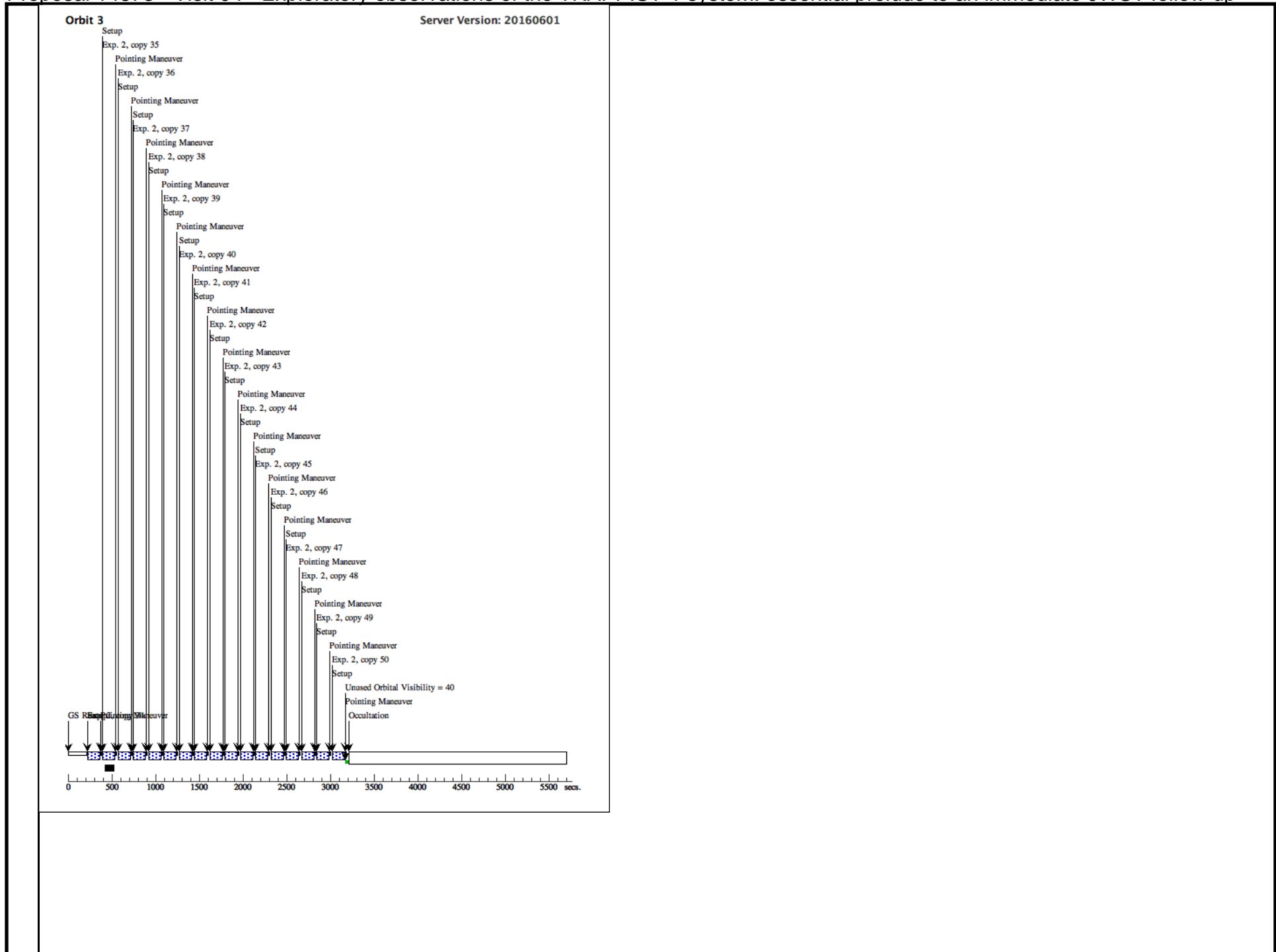
Proposal 14873 - Visit 04 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

									[3]
									[4]
3	Exposure 3 - forces GS ac q at beginning of orbit 5	(1) 2MASS-J230629 28-0502285	S/C, DATA, V1		EXP PCS MODE FI NE	Sequence 3-4 Non-Int in Visit 04		1 Secs (1 Secs)	[5]
								[5]	
4	Exposure 4 (gyro science for orbit 5)	(1) 2MASS-J230629 28-0502285	WFC3/IR, MULTIACCUM, GRISM256	G141	SAMP-SEQ=SPARS 25; NSAMP=6	SPATIAL SCAN 0.0 27.90.0 Degrees, Forward; SAA CONTOUR 11; EXP PCS MODE G YRO	Sequence 3-4 Non-Int in Visit 04	112.00801 Secs X 17 (1904.136 Secs)	[5]
								[5]	



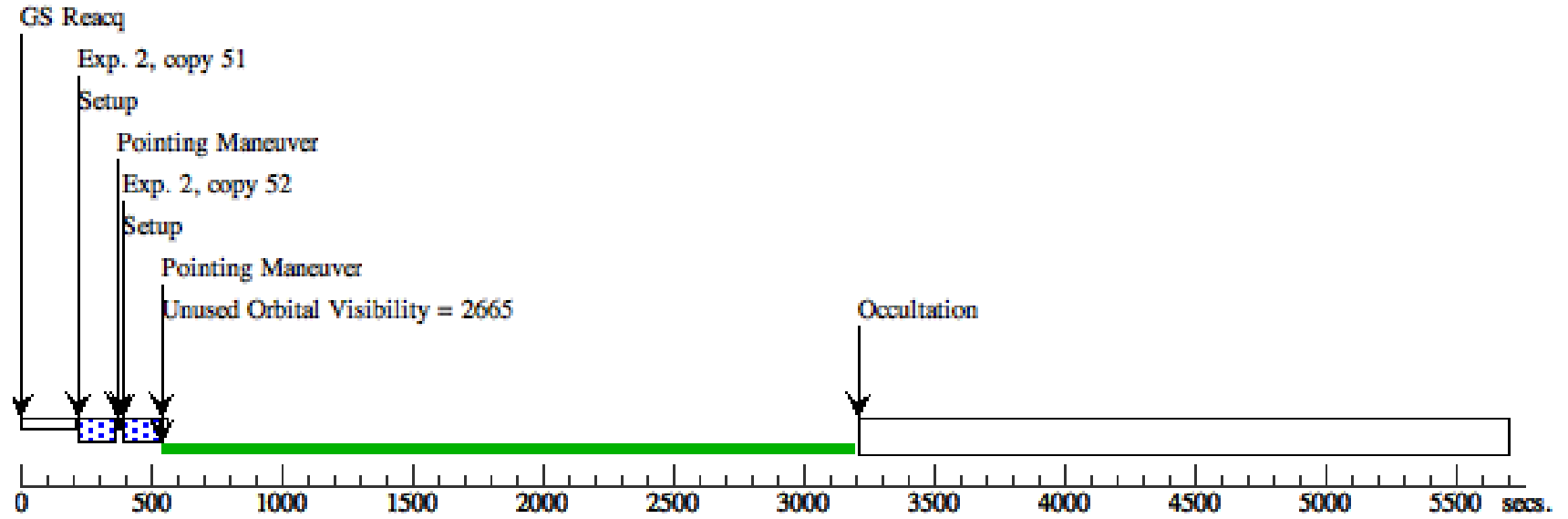
Proposal 14873 - Visit 04 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up





Orbit 4

Server Version: 20160601



Proposal 14873 - Visit 04 - Exploratory observations of the TRAPPIST-1 system: essential prelude to an immediate JWST follow-up

