



16777 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population Dataset

Cycle: 29, Proposal Category: GO

(UV Initiative)

(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	(2) NGC5139-P1	WFC3/UVIS	2	23-Aug-2022 09:00:24.0	yes
02	(3) NGC5139-P2	WFC3/UVIS	2	23-Aug-2022 09:00:26.0	yes
03	(4) NGC5139-P3	WFC3/UVIS	2	23-Aug-2022 09:00:28.0	yes
04	(5) NGC5139-P4	WFC3/UVIS	2	23-Aug-2022 09:00:30.0	yes
05	(6) NGC5139-P5	WFC3/UVIS	2	23-Aug-2022 09:00:31.0	yes
06	(7) NGC5139-P6	WFC3/UVIS	2	23-Aug-2022 09:00:33.0	yes
07	(8) NGC5139-P7	WFC3/UVIS	2	23-Aug-2022 09:00:34.0	yes
08	(9) NGC5139-P8	WFC3/UVIS	2	23-Aug-2022 09:00:37.0	yes
09	(10) NGC5139-P9	WFC3/UVIS	2	23-Aug-2022 09:00:38.0	yes
10	(5) NGC5139-P4	WFC3/UVIS	2	23-Aug-2022 09:00:40.0	yes

20 Total Orbits Used

ABSTRACT

Omega Centauri appears to be the stripped nucleus of one of the largest satellite galaxies that has fallen into the Milky Way. Yet the formation history of Omega Centauri is poorly understood due to the complexity of its stellar populations. We propose to obtain WFC3/UVIS imaging to measure proper motions and use UV photometry to constrain stellar abundances and ages for hundreds of thousands of stars within Omega Centauri's effective radius. In combination with a MUSE spectral mosaic that will provide star-by-star metallicity and radial velocity measurements, we will create and publicly release an unprecedented catalog of 3-D stellar velocities, age estimates, and abundance information. This combination of kinematic and stellar population information will enable us to study the details of both how and when Omega Centauri formed. These results will provide insight on the galaxy in which Omega Centauri formed and its interaction with the Milky Way, and will serve as a template for understanding the formation and tidal stripping of nuclear star clusters.

OBSERVING DESCRIPTION

Proposal 16777 (STScI Edit Number: 1, Created: Tuesday, August 23, 2022 at 8:00:40 AM Eastern Standard Time) - Overview

For each of the 9 fields, we have designed an observing strategy that maximizes our ability to obtain both multi-band photometry and proper motions.

The exposures include the following:

F275W -- 2x773s + 1x700s exposure = 2246s total exposure

F336W -- 2x20s exposures (for bright objects) + 3x475s = 1425s for long exposures

F814W (2x15s exposures (for bright objects; saturation expected at F814W~13.5) + 2x250s = 500s for long exposures

This ensures a S/N > 100 at the faintest main sequence turnoff in each filter (F275W~20.5, F336W~19.5, F814W~18) and reaching limiting Vega magnitudes of ~25 in all filters.

The dithers between exposures are done along the diagonal (POSTARG X=Y), with a maximum of 7.8 arcsecond offsets between pointing centers of the exposures at an individual pointing. This strategy ensures good mixing of pixel phases for individual stars between exposures (to ensure robust astrometry) while minimizing the area around the edges with lower numbers of exposures (to ensure robust photometry). Within a filter, exposures are taken at large enough dithers to cover the 1.2 arcsecond chip gap. No duplication of positions are made for the long exposures to help limit systematics in the proper motion determinations.

The orientation requirements are required to ensure coverage of the areas we wish to cover and maintaining small overlaps between each set of frames. The result will be nearly continual spatial coverage out to the effective radius. The observations have several schedulable windows with availabilities ranging between 4 and 20 days.

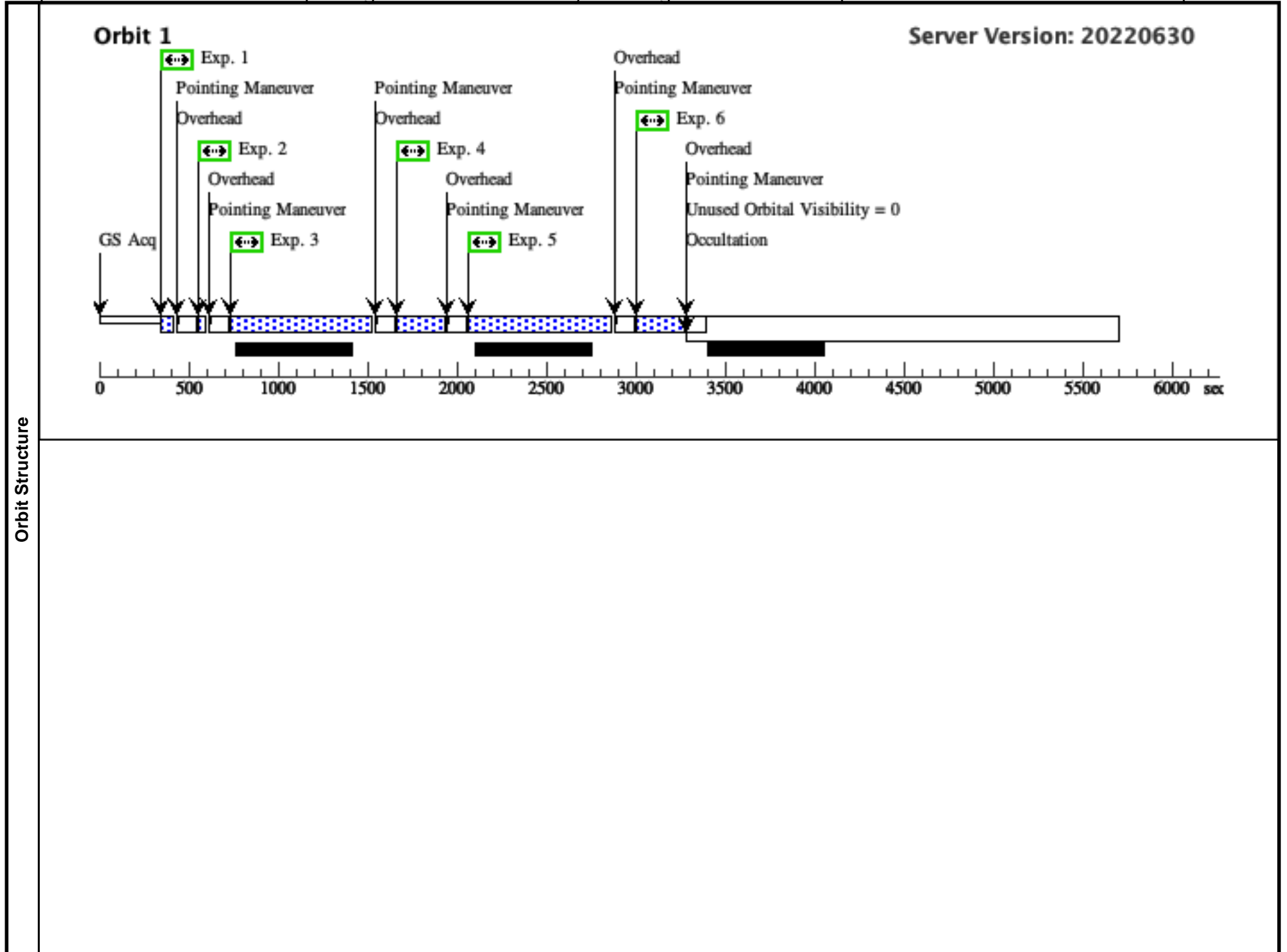
Proposal 16777 - Visit 01 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

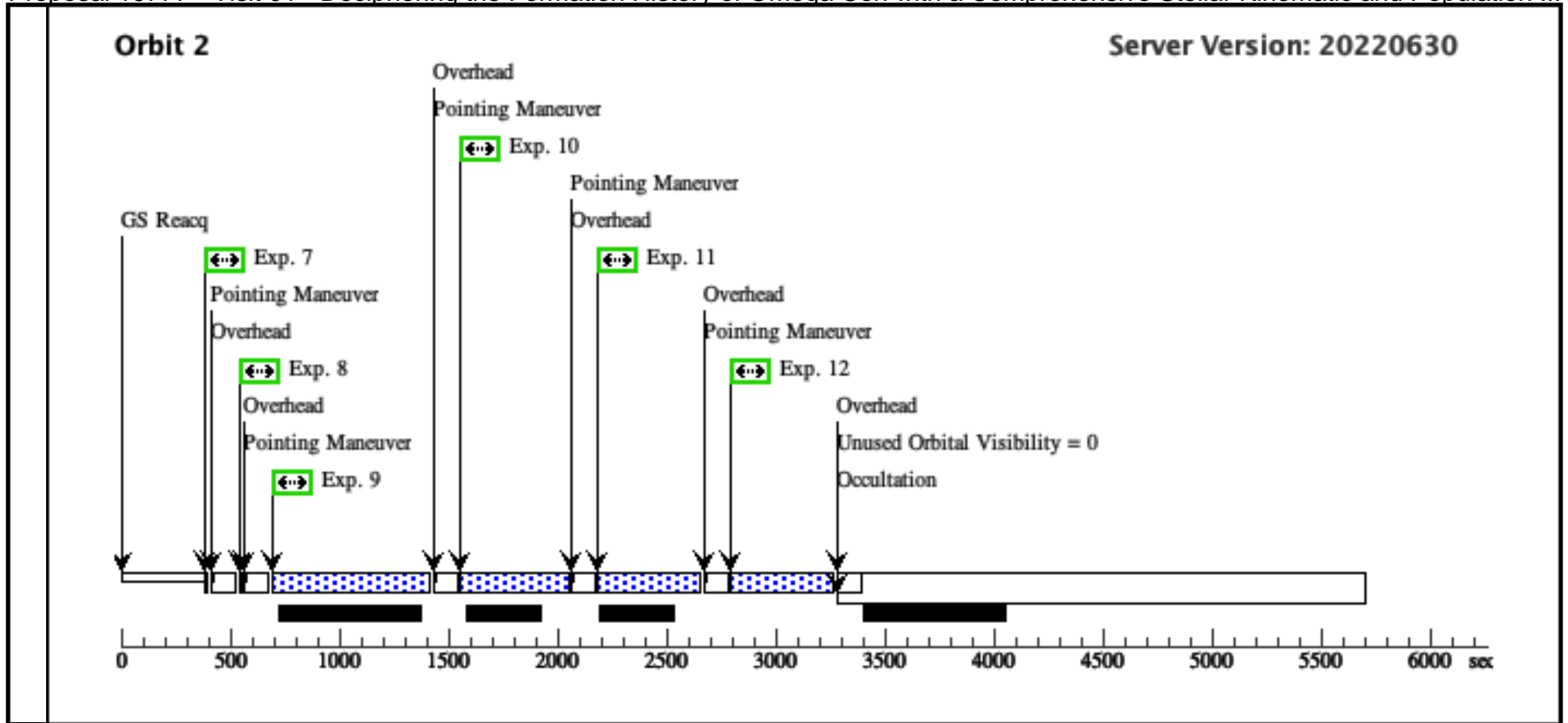
Tue Aug 23 13:00:40 GMT 2022

Visit	Proposal 16777, Visit 01, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D																	
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(Exposure 12 (Visit 01)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																		
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>(2)</td> <td>NGC5139-P1</td> <td>RA: 13 26 48.3660 (201.7015250d) Dec: -47 25 2.47 (-47.41735d) Equinox: J2000</td> <td></td> <td>V=20.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	NGC5139-P1	RA: 13 26 48.3660 (201.7015250d) Dec: -47 25 2.47 (-47.41735d) Equinox: J2000		V=20.0
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Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]																		

Proposal 16777 - Visit 01 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(2) NGC5139-P1	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		





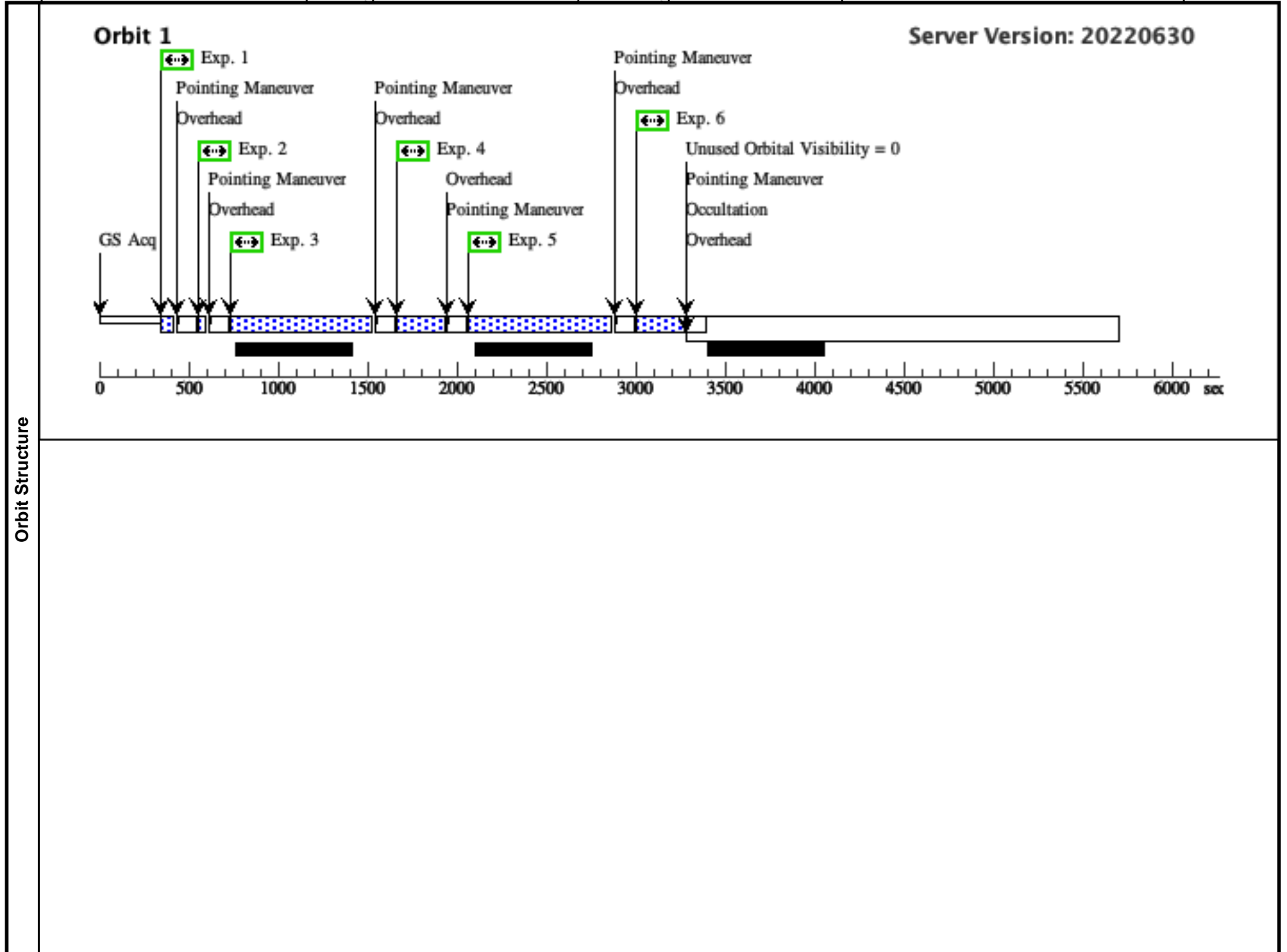
Proposal 16777 - Visit 02 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Tue Aug 23 13:00:41 GMT 2022

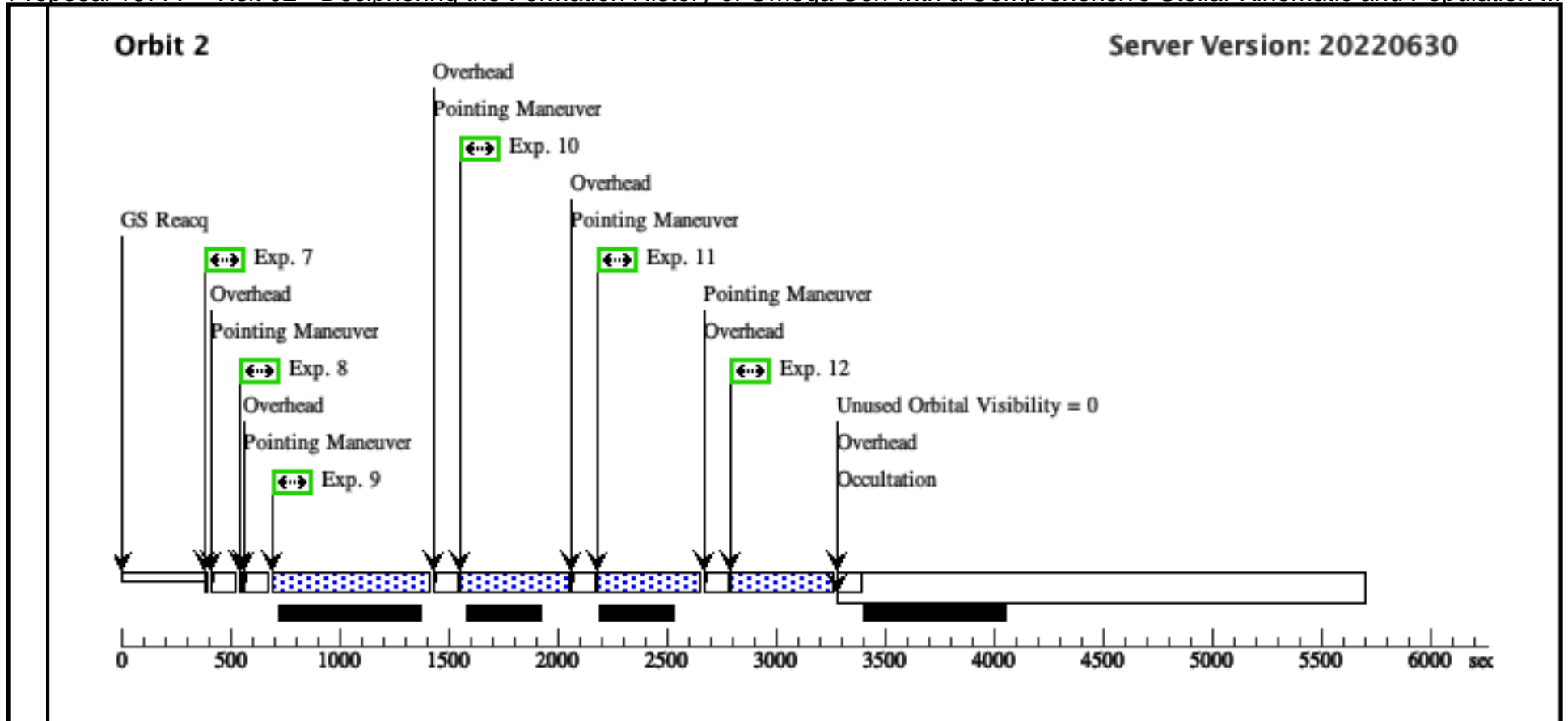
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(3)	NGC5139-P2	RA: 13 27 3.4190 (201.7642458d) Dec: -47 25 22.67 (-47.42296d) Equinox: J2000		V=20.0	Reference Frame: ICRS												
Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]																	

Proposal 16777 - Visit 02 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(3) NGC5139-P2	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		



Orbit Structure



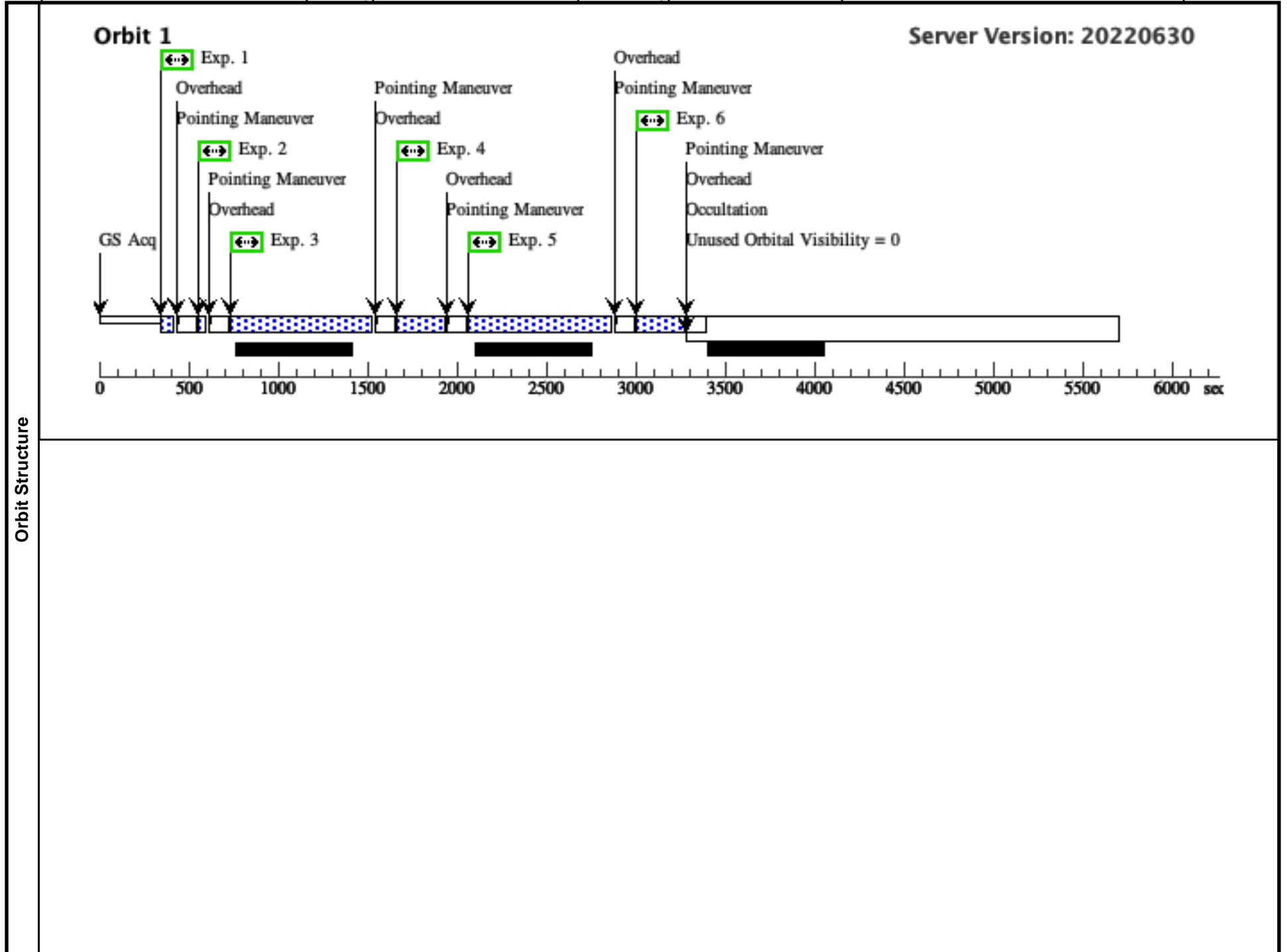
Proposal 16777 - Visit 03 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

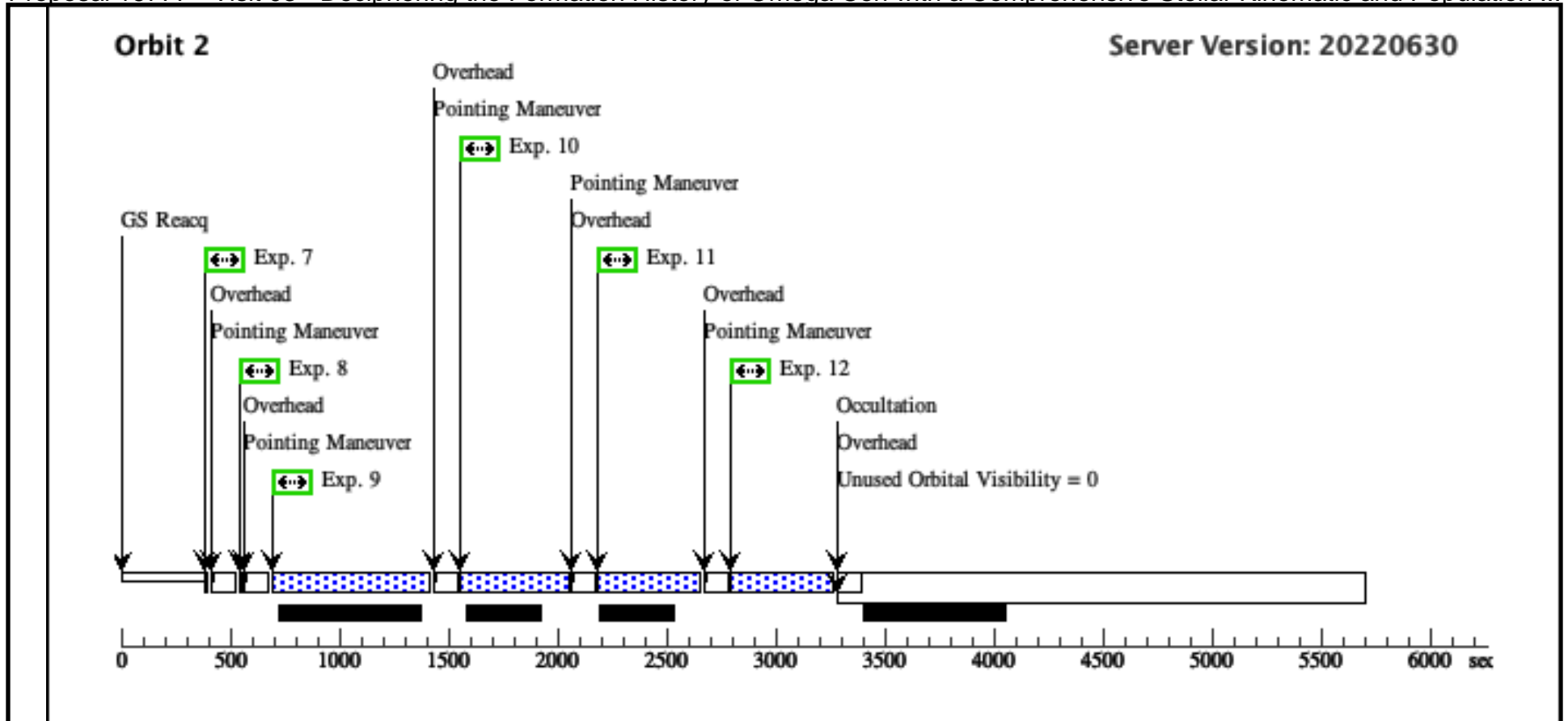
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Visit	Proposal 16777, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D					
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	NGC5139-P3	RA: 13 27 6.6410 (201.7776708d) Dec: -47 27 45.09 (-47.46253d) Equinox: J2000		V=20.0	Reference Frame: ICRS
Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]						

Proposal 16777 - Visit 03 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(4) NGC5139-P3	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		

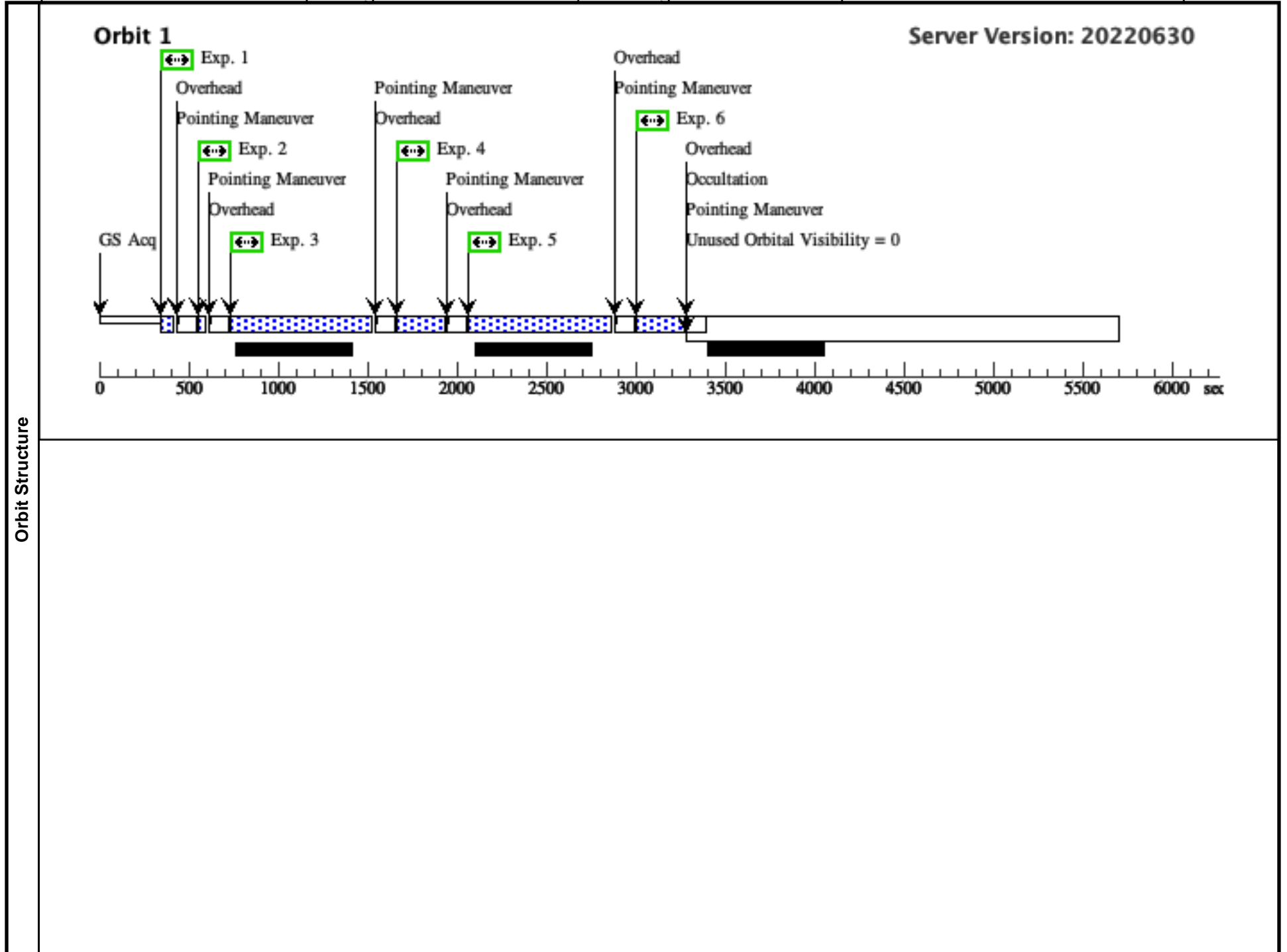


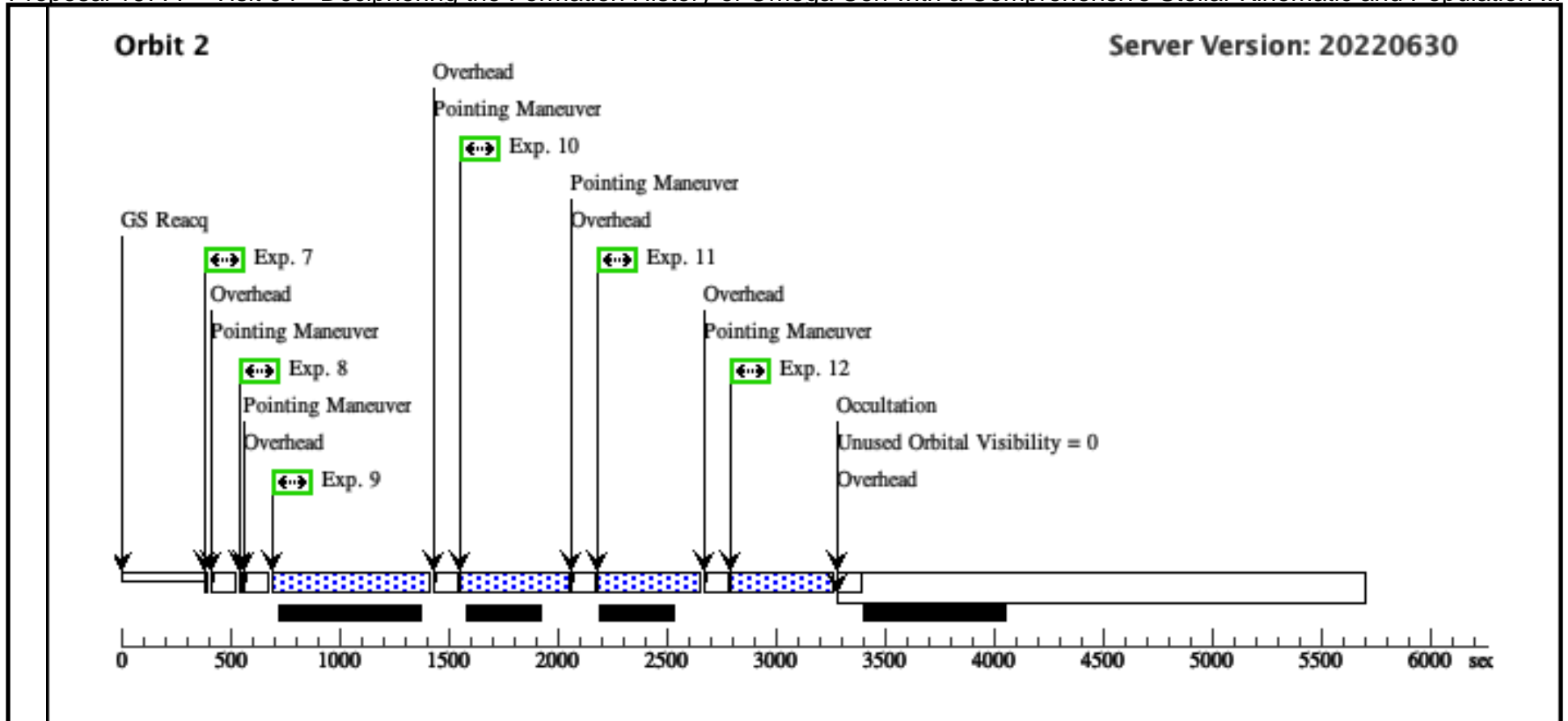


Visit	Proposal 16777, Visit 04, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D					
	(Exposure 1 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 04)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	NGC5139-P4	RA: 13 27 6.8680 (201.7786167d) Dec: -47 30 17.89 (-47.50497d) Equinox: J2000		V=20.0	Reference Frame: ICRS
Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]						

Proposal 16777 - Visit 04 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		





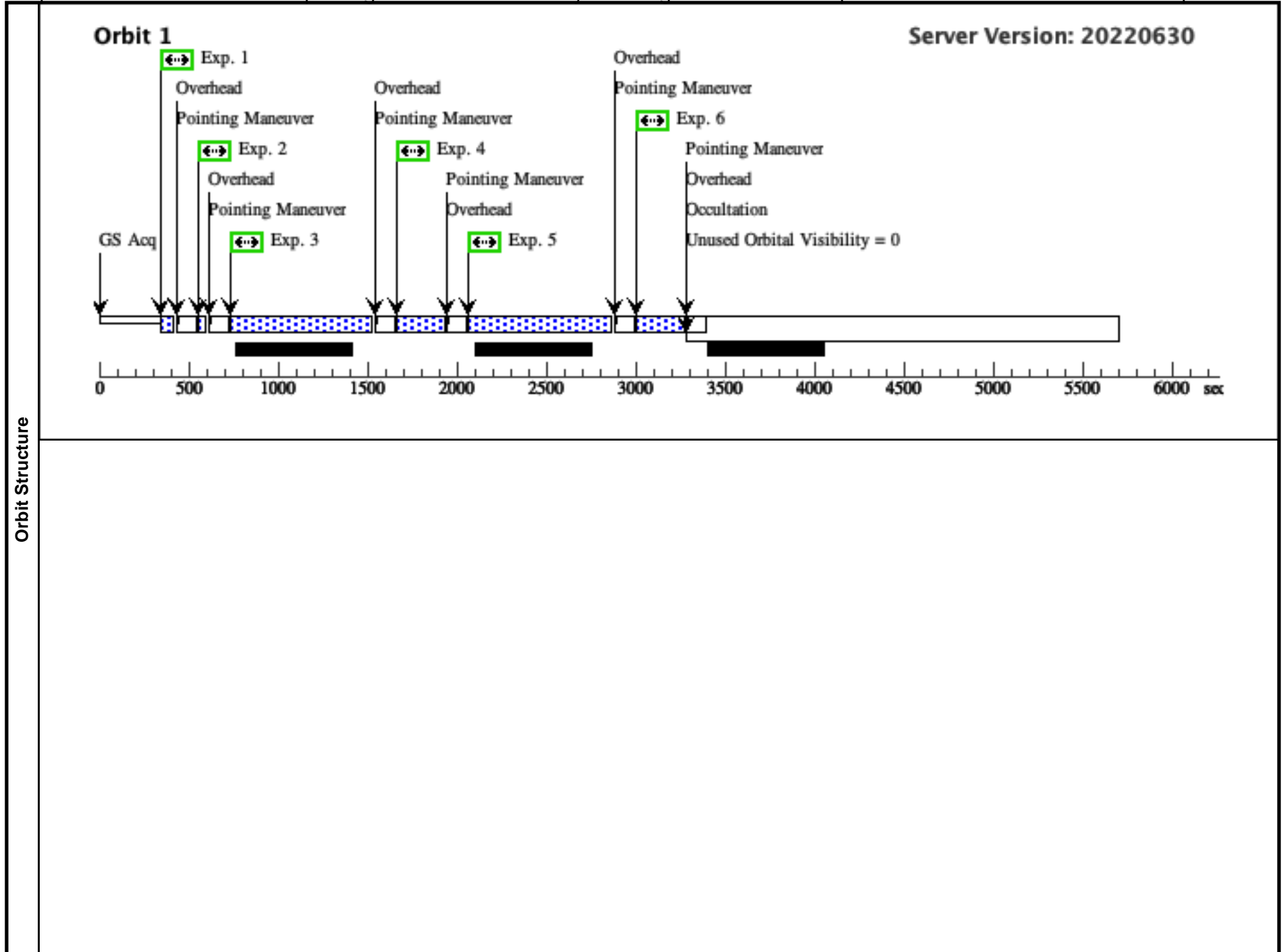
Proposal 16777 - Visit 05 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

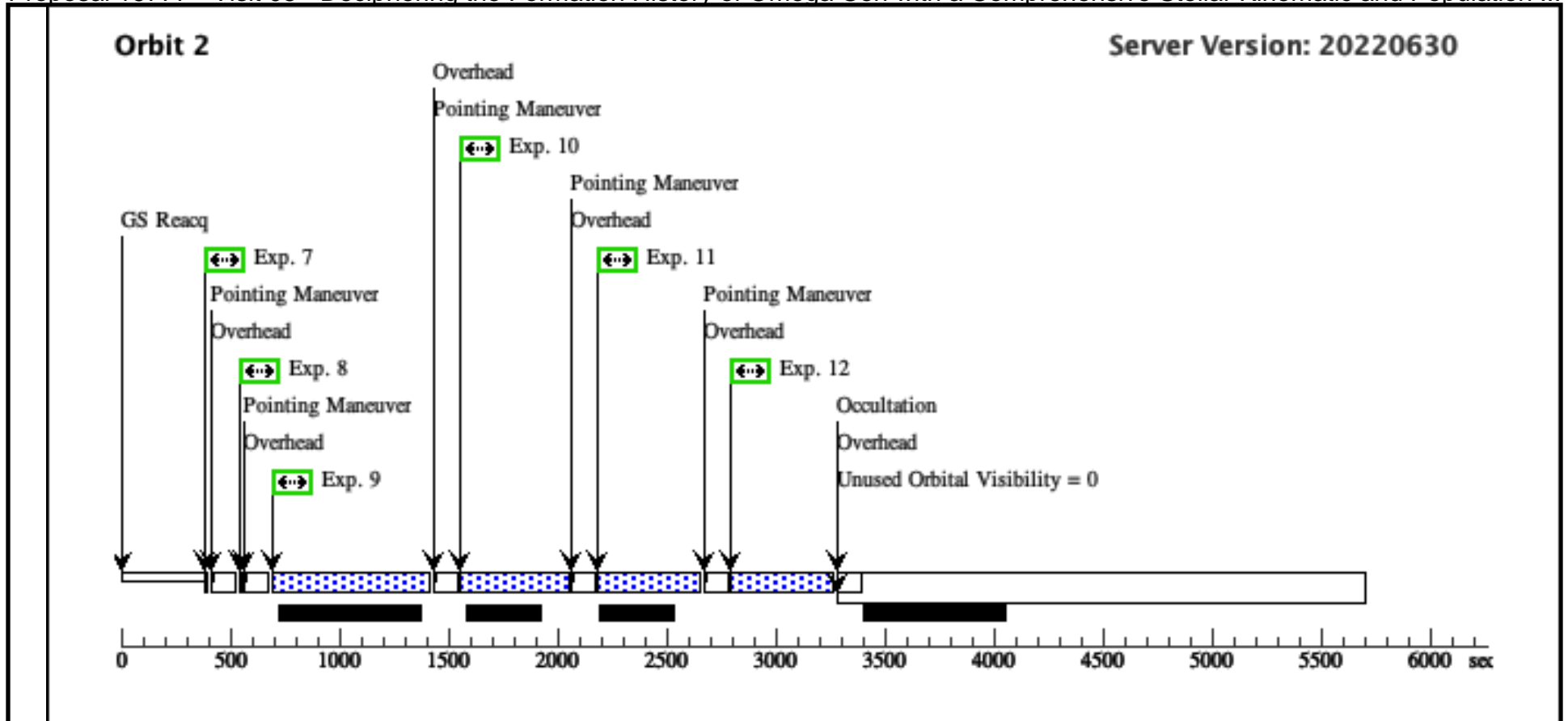
Tue Aug 23 13:00:41 GMT 2022

Visit	Proposal 16777, Visit 05, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D						
	Diagnostics	(Exposure 1 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 05)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(6)	NGC5139-P5	RA: 13 26 55.6480 (201.7318667d) Dec: -47 31 28.18 (-47.52449d) Equinox: J2000		V=20.0	Reference Frame: ICRS
<i>Comments:</i> Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]							

Proposal 16777 - Visit 05 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(6) NGC5139-P5	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		

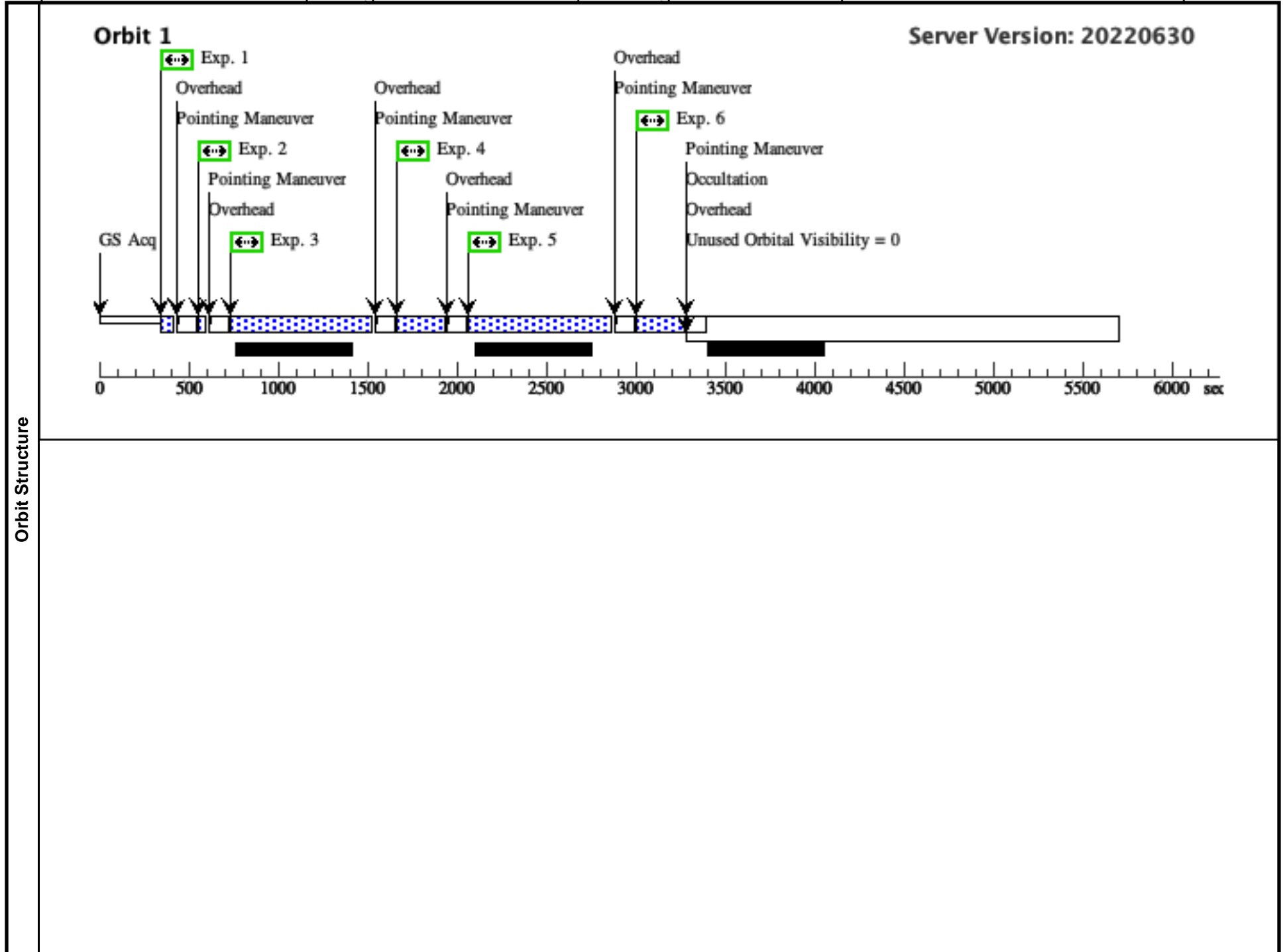


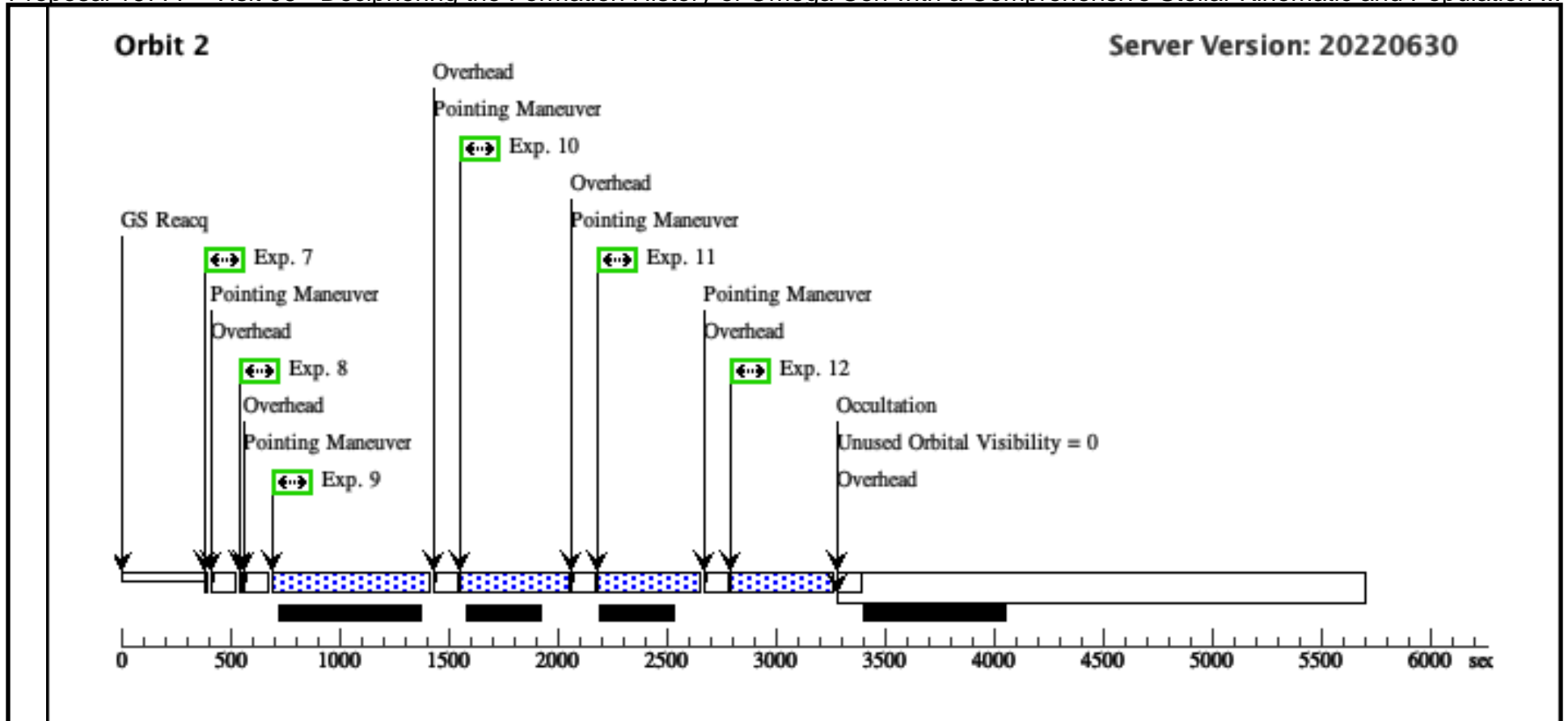


Visit	Proposal 16777, Visit 06, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D						
	Diagnostics	(Exposure 1 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 06)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(7)	NGC5139-P6	RA: 13 26 40.6370 (201.6693208d) Dec: -47 31 51.13 (-47.53087d) Equinox: J2000		V=20.0	Reference Frame: ICRS
<i>Comments:</i> Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]							

Proposal 16777 - Visit 06 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(7) NGC5139-P6	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		

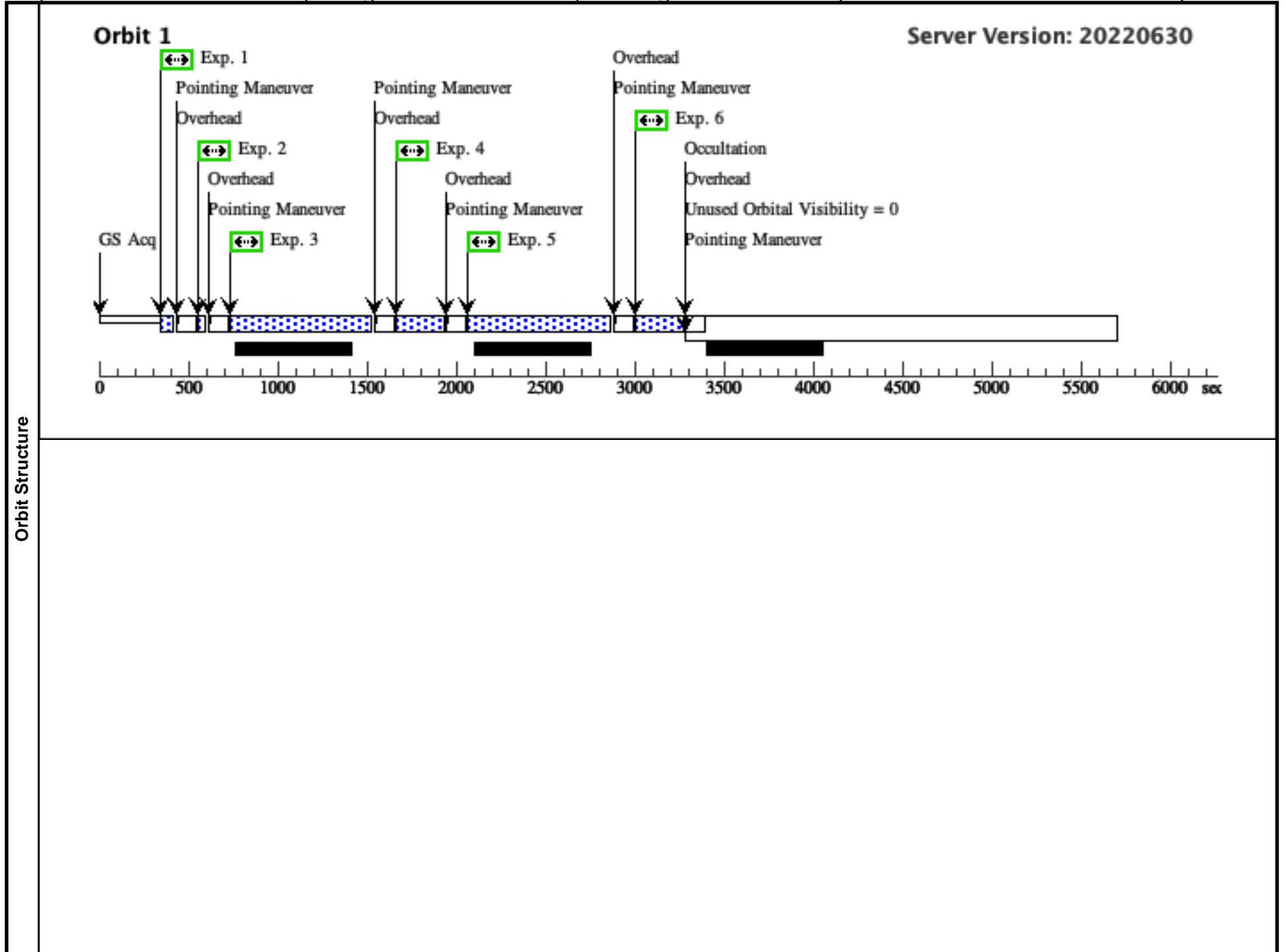


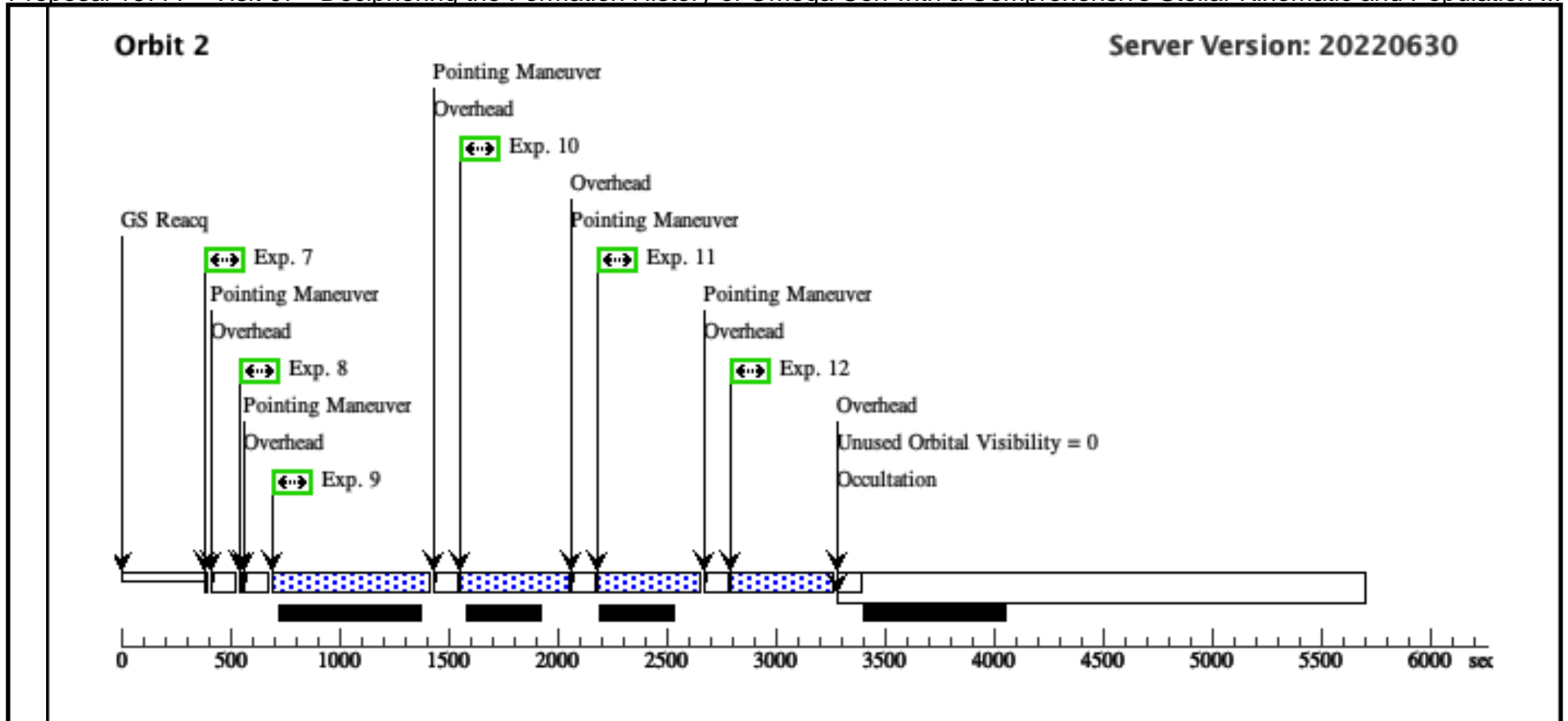


Visit	Proposal 16777, Visit 07, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D					
	(Exposure 1 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 07)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	NGC5139-P7	RA: 13 26 26.5180 (201.6104917d) Dec: -47 30 37.98 (-47.51055d) Equinox: J2000		V=20.0	Reference Frame: ICRS
Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]						

Proposal 16777 - Visit 07 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(8) NGC5139-P7	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		

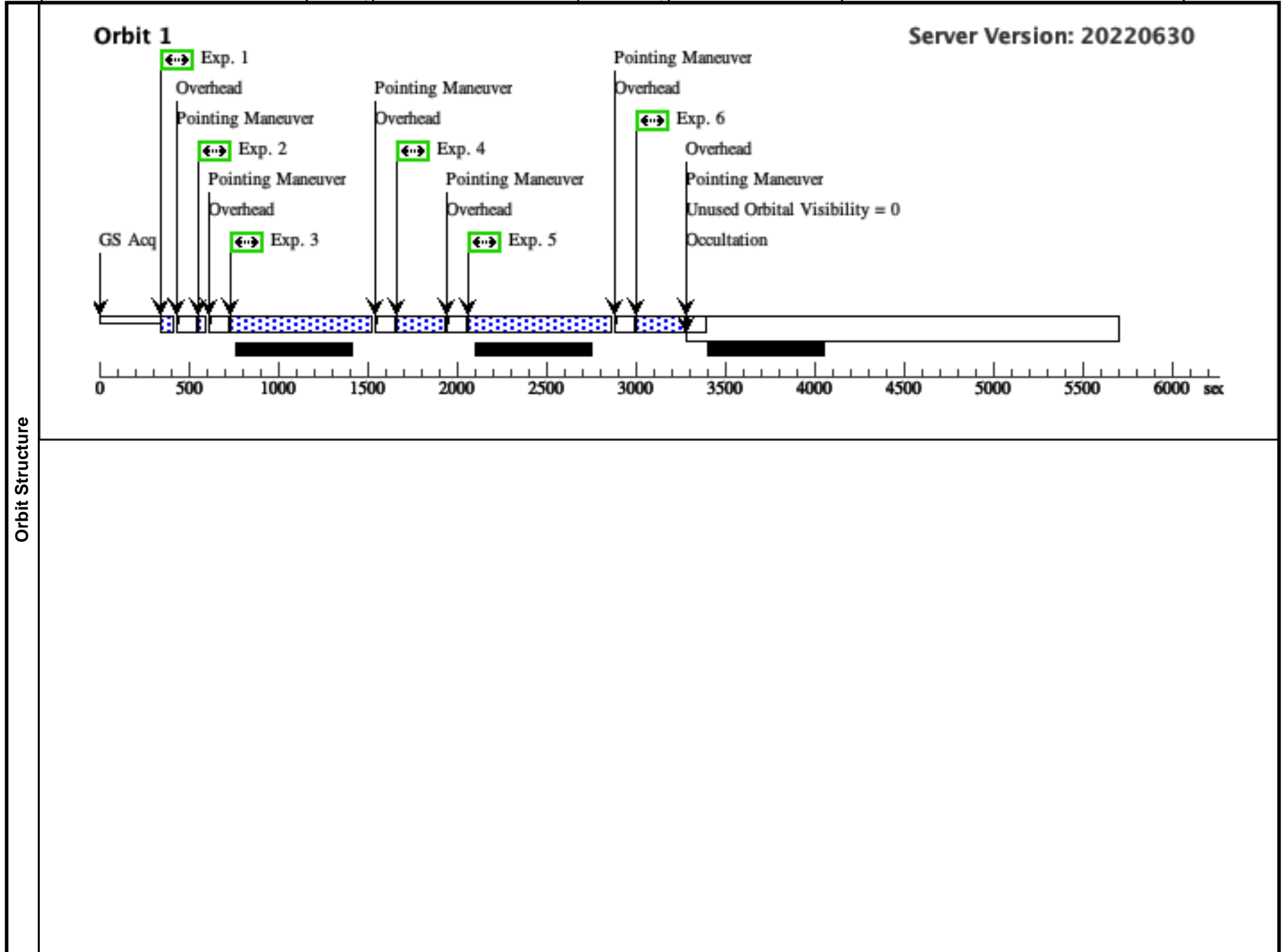


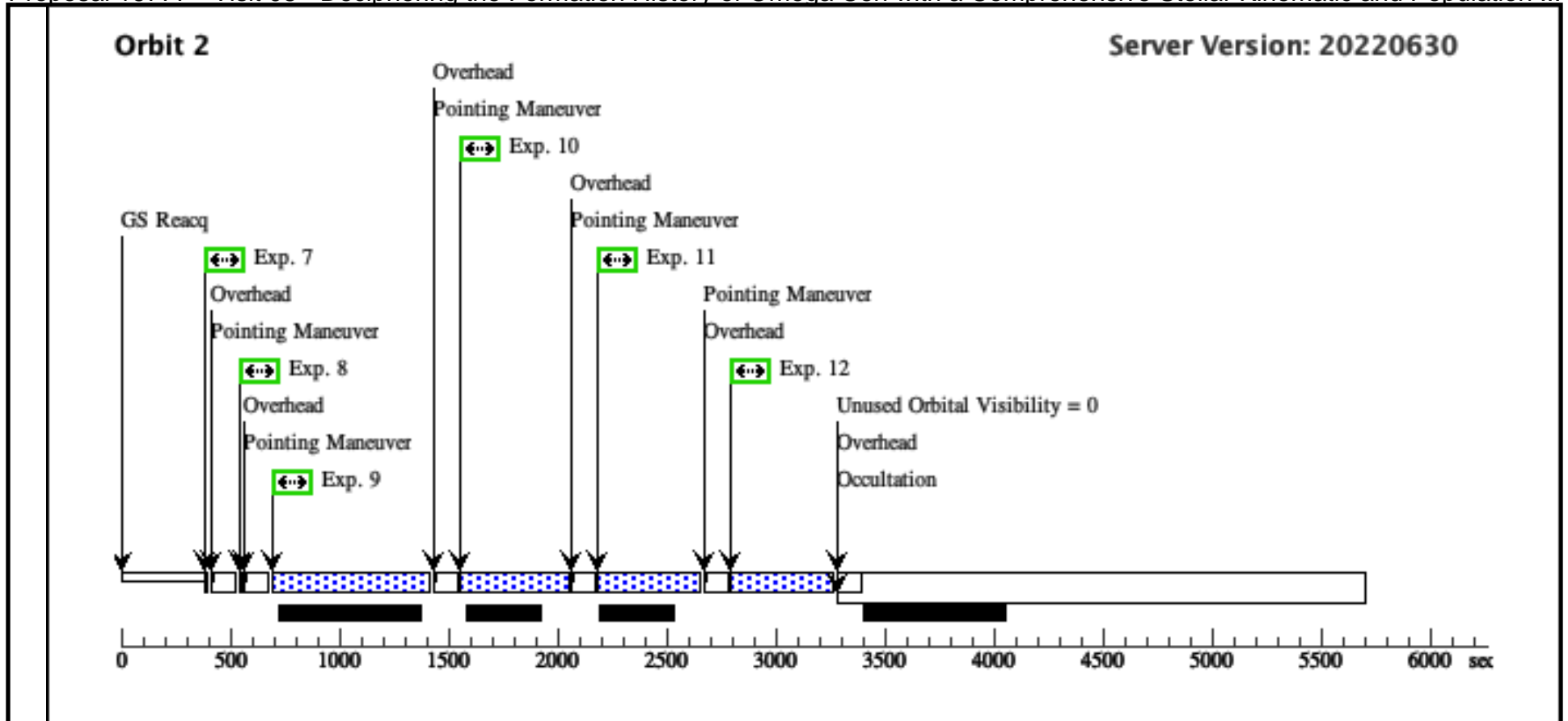


Visit	Proposal 16777, Visit 08, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D					
	(Exposure 1 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 08)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	NGC5139-P8	RA: 13 26 26.5610 (201.6106708d) Dec: -47 28 3.58 (-47.46766d) Equinox: J2000		V=20.0	Reference Frame: ICRS
<i>Comments:</i> Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]						

Proposal 16777 - Visit 08 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(9) NGC5139-P8	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		

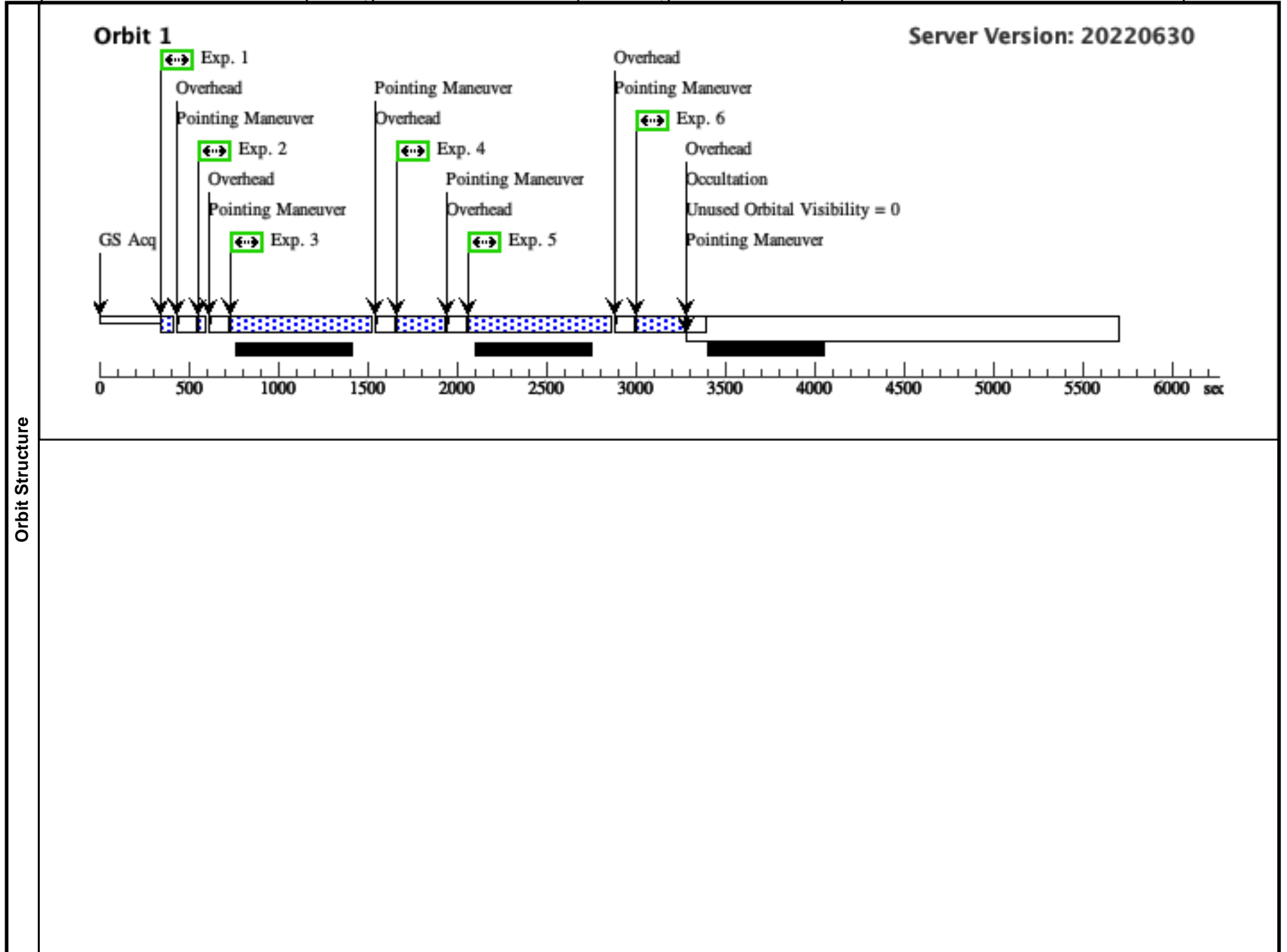


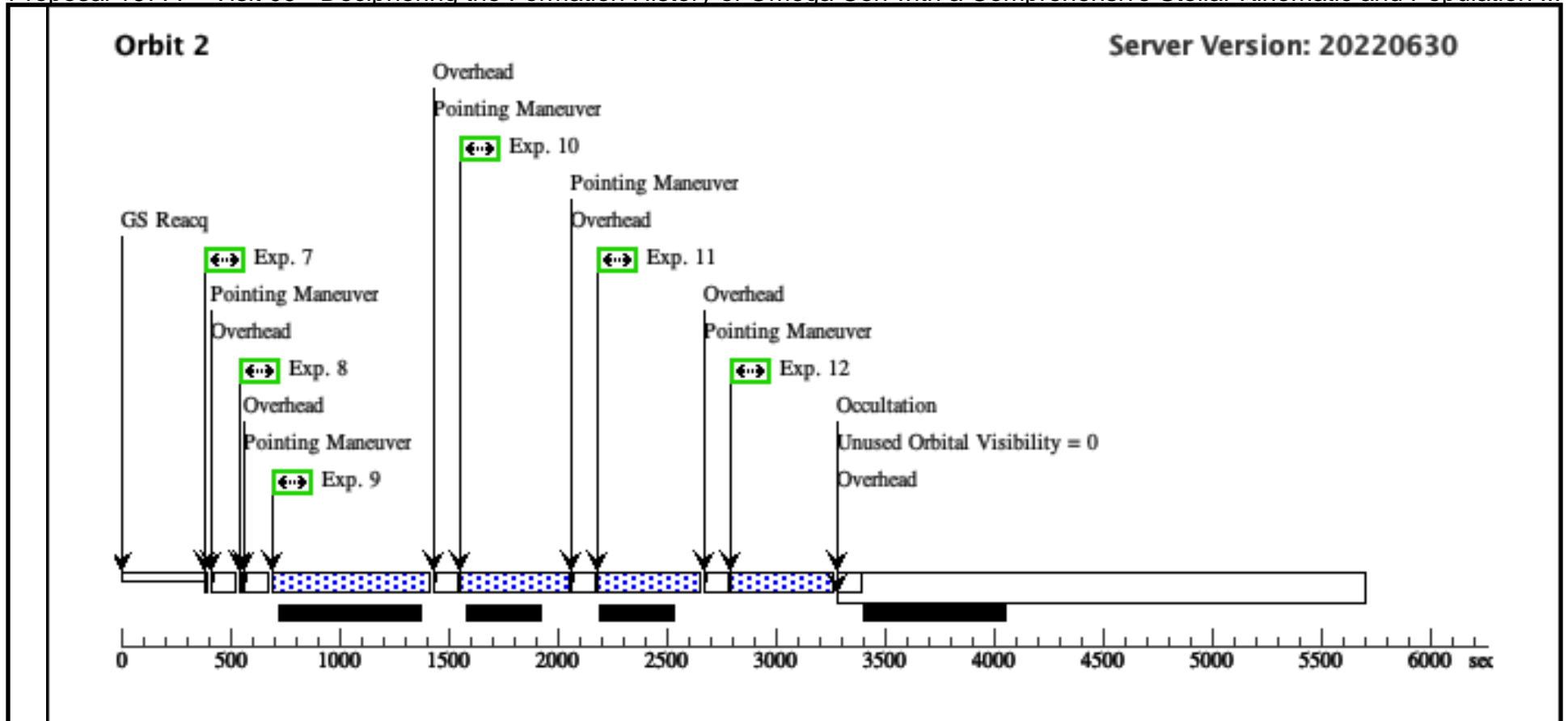


Visit	Proposal 16777, Visit 09, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D					
	(Exposure 1 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 09)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	NGC5139-P9	RA: 13 26 33.3050 (201.6387708d) Dec: -47 25 26.96 (-47.42416d) Equinox: J2000		V=20.0	Reference Frame: ICRS
Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]						

Proposal 16777 - Visit 09 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(10) NGC5139-P9	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		





Visit	Proposal 16777, Visit 10 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 40D TO 50 D; ORIENT 130D TO 140 D; ORIENT 220D TO 230 D; ORIENT 310D TO 320 D						
	Diagnostics	(Exposure 1 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 7 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 8 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 9 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 10 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 11 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 12 (Visit 10)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(5)	NGC5139-P4	RA: 13 27 6.8680 (201.7786167d) Dec: -47 30 17.89 (-47.50497d) Equinox: J2000		V=20.0	Reference Frame: ICRS
<i>Comments:</i> Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]							

Proposal 16777 - Visit 10 - Deciphering the Formation History of Omega Cen with a Comprehensive Stellar Kinematic and Population ...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG -2,-2	40 Secs (40 Secs)	[==>]	[1]	
	2	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=12	POS TARG 1,1	40 Secs (40 Secs)	[==>]	[1]	
	3	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 0.5,0.5	773 Secs (773 Secs)	[==>]	[1]	
	4	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG -1,-1	250 Secs (250 Secs)	[==>]	[1]	
	5	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG -1.5,-1.5	773 Secs (773 Secs)	[==>]	[1]	
	6	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=7	POS TARG 3,3	250 Secs (250 Secs)	[==>]	[1]	
	7	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 0,0	15 Secs (15 Secs)	[==>]	[2]	
	8	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 2,2	15 Secs (15 Secs)	[==>]	[2]	
	9	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=11	POS TARG 1.5,1.5	700 Secs (700 Secs)	[==>]	[2]	
	10	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 2.5,2.5	475 Secs (475 Secs)	[==>]	[2]	
	11	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG 0.0,0	475 Secs (475 Secs)	[==>]	[2]	
12	(5) NGC5139-P4	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=11	POS TARG -2.5,-2.5	475 Secs (475 Secs)	[==>]	[2]		

