



13771 - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Cycle: 22, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Daniel J. Lennon (PI) (ESA Member) (Contact)	ESA-European Space Astronomy Centre	danny.lennon@sciops.esa.int
Dr. Selma E. de Mink (CoI)	Carnegie Institution of Washington	demink@obs.carnegiescience.edu
Dr. Roeland P. van der Marel (CoI) (AdminUSPI)	Space Telescope Science Institute	marel@stsci.edu
Dr. Jay Anderson (CoI)	Space Telescope Science Institute	jayander@stsci.edu
Dr. Christopher J. Evans (CoI) (ESA Member)	Royal Observatory Edinburgh	chris.evans@stfc.ac.uk
Prof. Paul A. Crowther (CoI) (ESA Member)	University of Sheffield	paul.crowther@sheffield.ac.uk
Dr. Sangmo Tony Sohn (CoI)	The Johns Hopkins University	tsohn@stsci.edu
Dr. Luigi R. Bedin (CoI) (ESA Member)	Osservatorio Astronomico di Padova	luigi.bedin@oapd.inaf.it
Dr. Imants Platais (CoI)	The Johns Hopkins University	imants@pha.jhu.edu
Dr. Andrea J. Bellini (CoI)	Space Telescope Science Institute	bellini@stsci.edu
Dr. Elena Sabbi (CoI) (Contact)	Space Telescope Science Institute	sabbi@stsci.edu

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>
0L	(1) GAL-CEN-FIELD1	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:25.0	yes
2F	(1) GAL-CEN-FIELD1	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:27.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
2G	(1) GAL-CEN-FIELD1	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:28.0	yes
2H	(1) GAL-CEN-FIELD1	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:30.0	yes
2I	(1) GAL-CEN-FIELD1	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:32.0	yes
2J	(1) GAL-CEN-FIELD1	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:33.0	yes
0R	(2) GAL-CEN-FIELD2	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:35.0	yes
2K	(2) GAL-CEN-FIELD2	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:37.0	yes
2L	(2) GAL-CEN-FIELD2	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:38.0	yes
2M	(2) GAL-CEN-FIELD2	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:40.0	yes
2N	(2) GAL-CEN-FIELD2	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:42.0	yes
0W	(4) GAL-CEN-FIELD3	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:43.0	yes
2O	(4) GAL-CEN-FIELD3	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:45.0	yes
2P	(4) GAL-CEN-FIELD3	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:46.0	yes
2Q	(4) GAL-CEN-FIELD3	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:48.0	yes
2R	(4) GAL-CEN-FIELD3	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:49.0	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>
1B	(3) GAL-CEN-FIELD4	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:51.0	yes
2S	(3) GAL-CEN-FIELD4	ACS/WFC WFC3/IR	1	23-Jul-2014 21:39:52.0	yes

18 Total Orbits Used

ABSTRACT

The Galactic Center is one of the most perplexing and unusual regions of the Galaxy. Not only is it home to the central massive black hole but it contains three very massive young star clusters within the central 30 pc; the Arches, Quintuplet and Central clusters. Furthermore, emission-line surveys have revealed the presence of what appears to be a diaspora of ~ 40 very massive isolated Wolf-Rayet-like stars scattered throughout the region, outside of these massive clusters. Their origin is currently unknown but the suspected causes include such diverse and exotic mechanisms as ejection by dynamical interaction within the massive clusters, ejection by supernovae events within those clusters old enough to have SN, ejection by interaction with the central black hole, stellar mergers in the field, and in situ star formation of isolated massive stars. These processes however should all leave clear and distinct dynamical signatures on their products.

We propose using WFC3/IR to conduct a survey of ~ 150 square arcminutes the Galactic Center region to measure relative proper motions to an accuracy of 10 km/s for stars with masses as low as a few solar masses (late B-type). Our objectives include determining which of the known isolated massive stars are runaways, estimating their probable places of origin, discovering less luminous runaways that are invisible to emission line surveys, characterizing the dynamical properties of runaway stars in all luminosity ranges, and searching for signs of tidally disrupted massive clusters. The survey will have lasting legacy value to those trying to unravel the physics of galactic centers and the environments around massive black holes.

OBSERVING DESCRIPTION

This is the second of two 18-orbit epochs of a proper motion survey around the Galactic Center (GC). The first 18-orbit epoch was acquired in Cycle 20. In each epoch we are observing 36 adjacent fields with WFC3/IR with the F139M filter (changed from F125W) as the primary

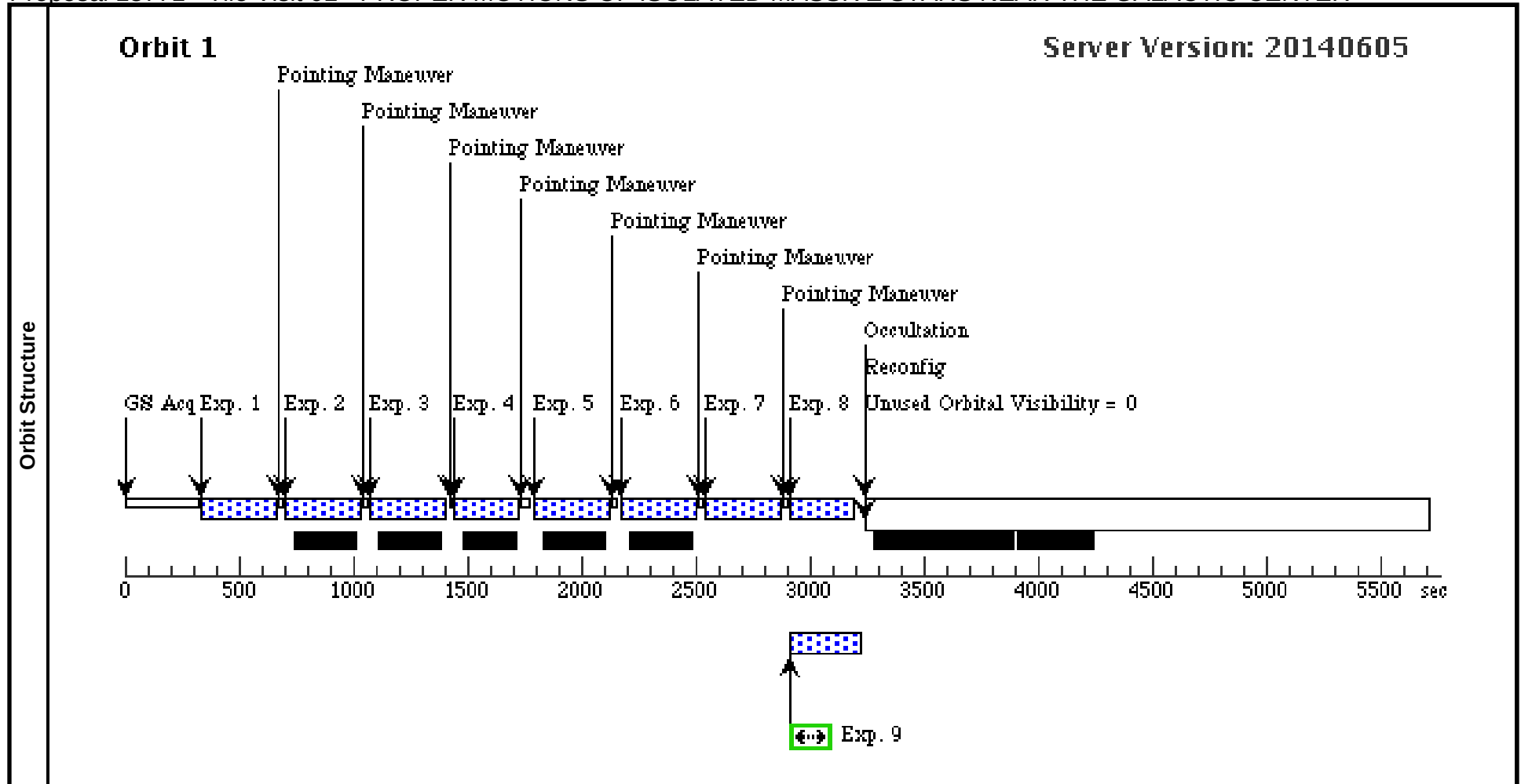
instrument. We are also using ACS/WFC with the F850LP filter (the longest band-pass filter on ACS) in coordinated parallel mode to obtain images for a smaller set of 18 fields, adjacent to the WFC3 survey area. The primary WFC3 survey area covers some 150 square arcminutes surrounding the Arches, Quintuplet and Central clusters. This area was previously the subject of a narrow-band (Paschen alpha) HST/NICMOS survey by another team (GO-11120). That survey was used to find massive star candidates subsequently confirmed as massive emission line stars through spectroscopy. Our survey will encompass all but a handful of the known isolated massive stars. It excludes the immediate environs of the three massive clusters, including the GC, since they are already the subject of other ongoing campaigns with HST.

----- Additional Comments -----

We request observations after August 2015 during Cycle 22 in order to maximize the time baseline between Cycle 20 and 22 observations. We request to acquire observations with exactly the same telescope roll angle to minimize the geometric distortion uncertainties. We realize that scheduling may be an issue for Cycle 22 and if that is the case we are prepared to look at alternative constraints.

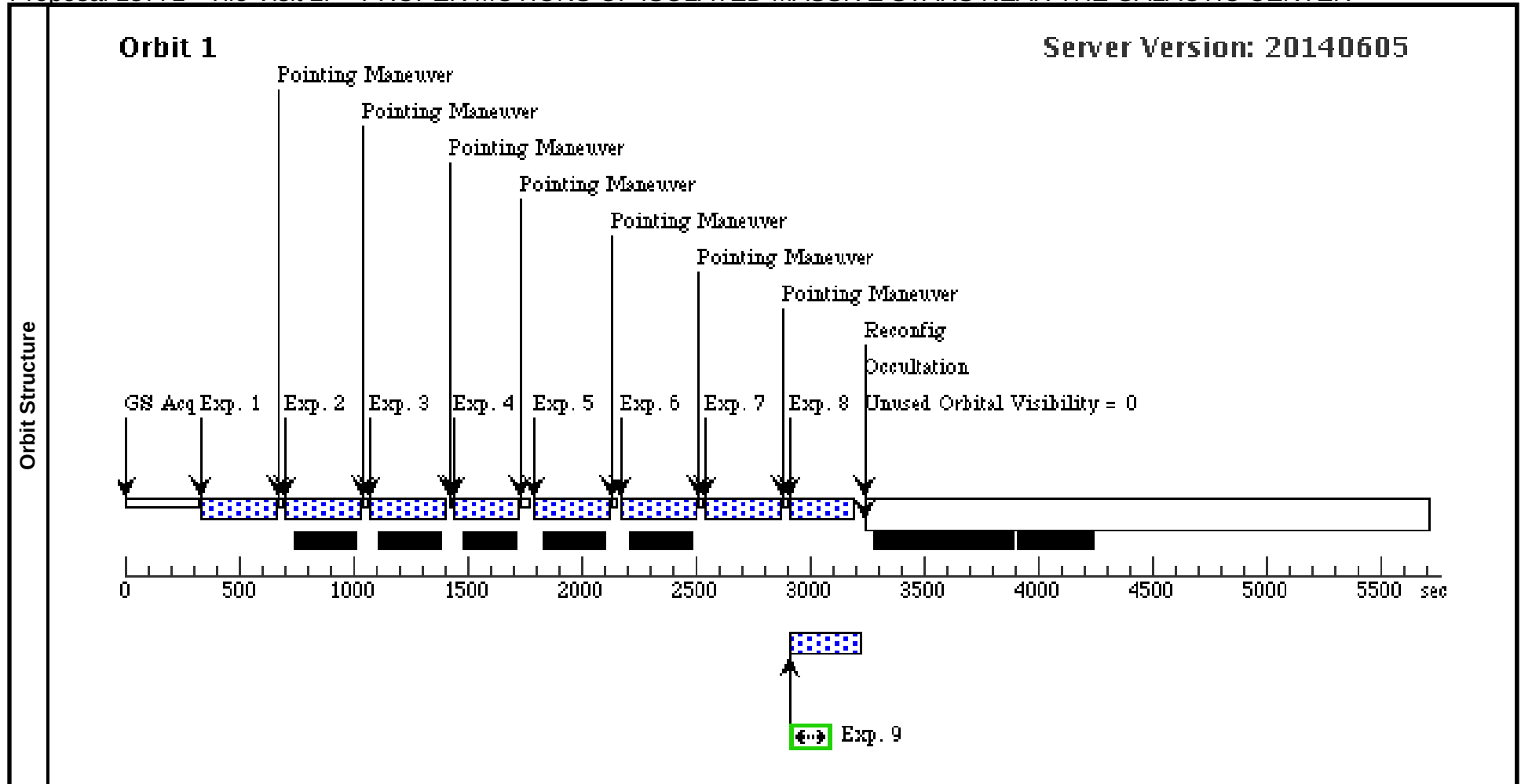
Proposal 13771 - Tile Visit 0L - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 0L, implementation								Thu Jul 24 01:39:54 GMT 2014		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 97.0329D TO 97.0329 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	GAL-CEN-FIELD1	RA: 17 45 30.0000 (266.3750000d) Dec: -28 55 39.58 (-28.92766d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -312.83 212499999996,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -302.83 212499999996,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -292.83 212499999996,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -297.83 212499999996,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -312.83 212499999996,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -302.83 212499999996,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -292.83 212499999996,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -302.83 212499999996,-60.0	Prime + Parallel Group 8-9 in Tile Visit 0L	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(1) GAL-CEN-FIELD1	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 0L	101 Secs (101 Secs) [==>]		[1]



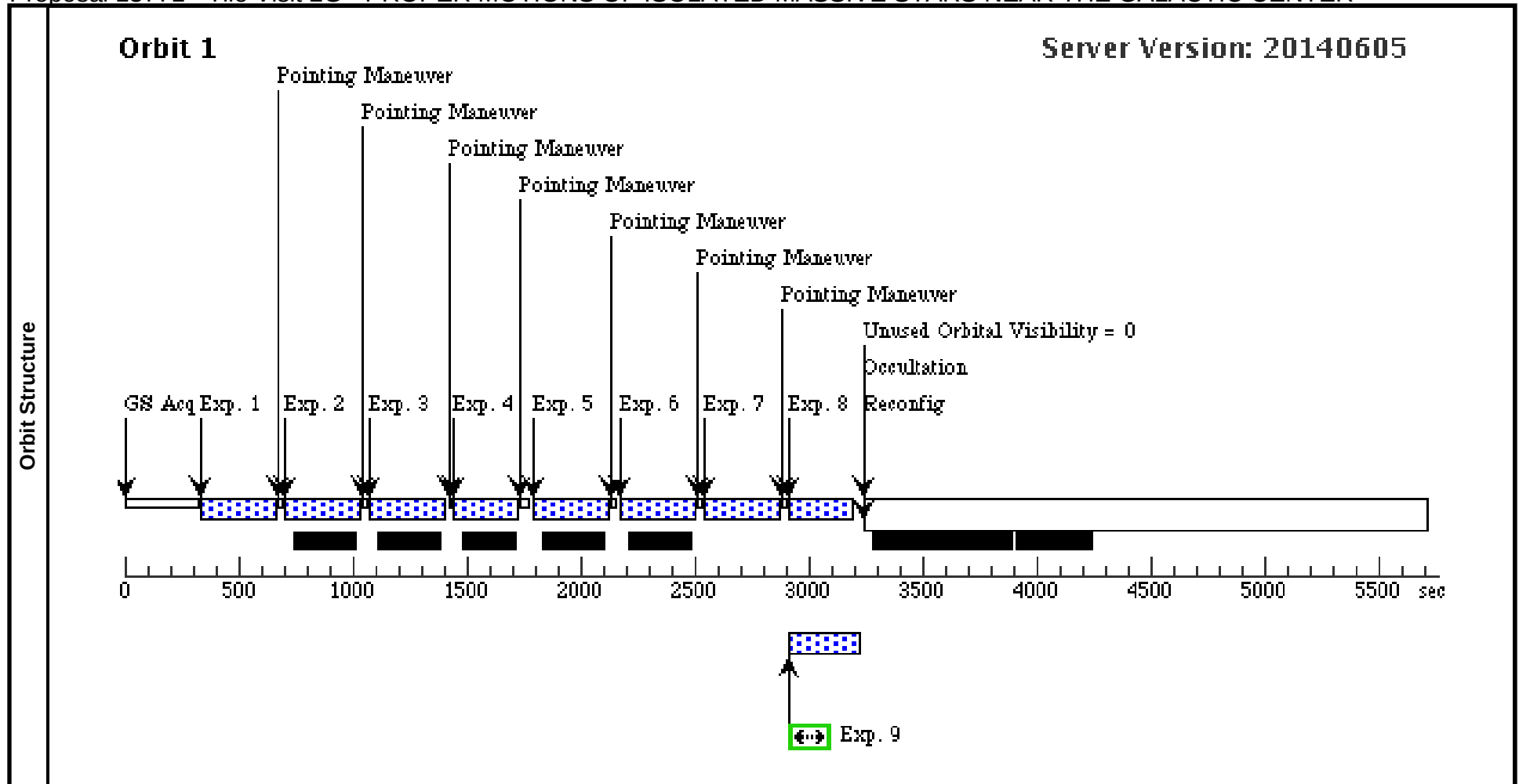
Proposal 13771 - Tile Visit 2F - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2F, implementation									Thu Jul 24 01:39:55 GMT 2014	
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 97.0178D TO 97.0178 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	GAL-CEN-FIELD1	RA: 17 45 30.0000 (266.3750000d) Dec: -28 55 39.58 (-28.92766d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -187.69 927499999997,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -177.69 927499999997,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -167.69 927499999997,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -172.69 927499999997,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -187.69 927499999997,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -177.69 927499999997,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -167.69 927499999997,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -177.69 927499999997,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2F	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(1) GAL-CEN-FIELD1	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2F	101 Secs (101 Secs) [==>]		[1]



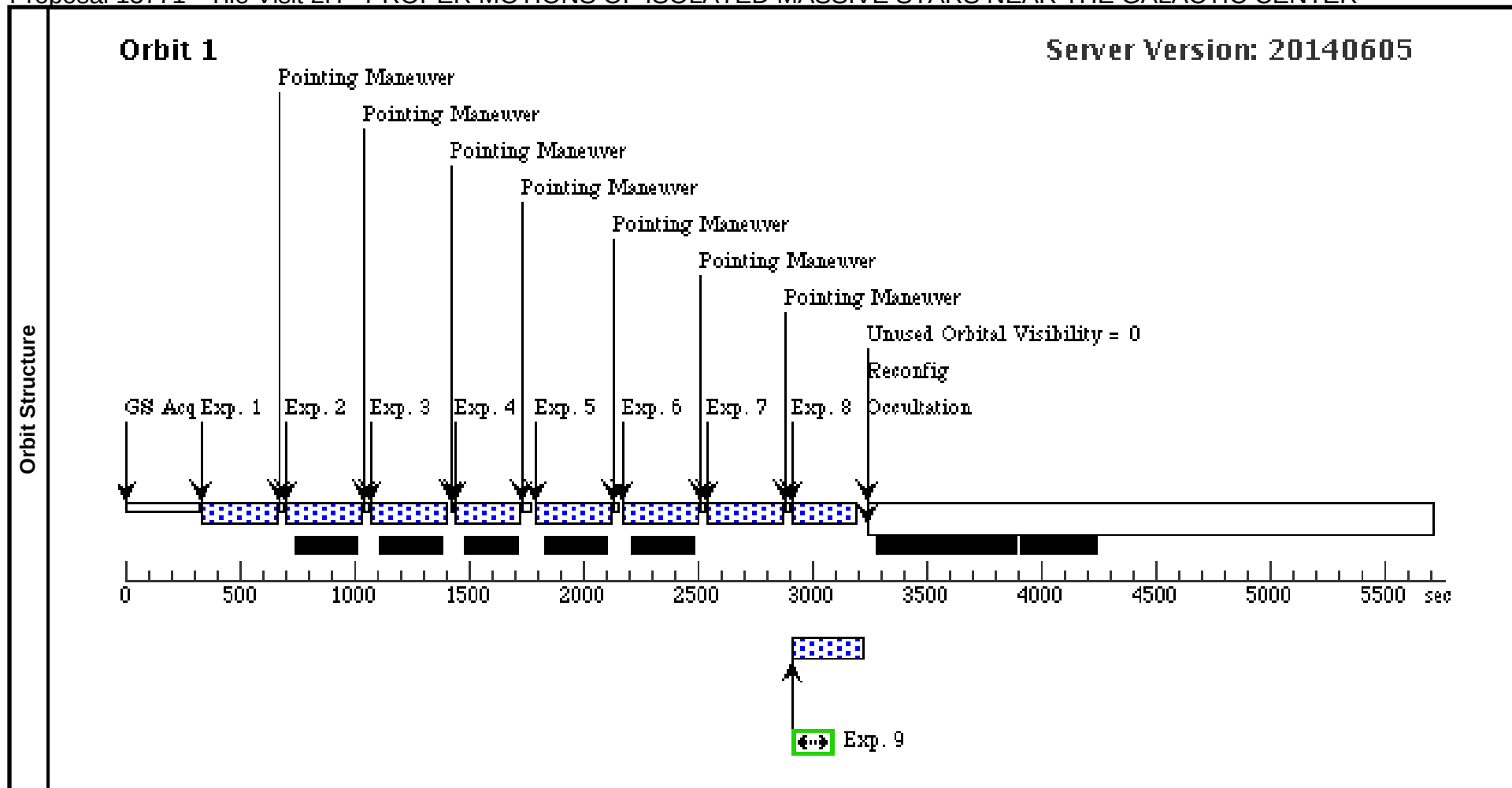
Proposal 13771 - Tile Visit 2G - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2G, implementation								Thu Jul 24 01:39:55 GMT 2014		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 97.0027D TO 97.0027 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	GAL-CEN-FIELD1	RA: 17 45 30.0000 (266.3750000d) Dec: -28 55 39.58 (-28.92766d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -62.566 42499999998,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -52.566 42499999998,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -42.566 42499999998,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -47.566 42499999998,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -62.566 42499999998,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -52.566 42499999998,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -42.566 42499999998,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -52.566 42499999998,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2G	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(1) GAL-CEN-FIELD1	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2G	101 Secs (101 Secs) [==>]		[1]



Proposal 13771 - Tile Visit 2H - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2H, implementation									Thu Jul 24 01:39:55 GMT 2014
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 96.9877D TO 96.9877 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(1)	GAL-CEN-FIELD1	RA: 17 45 30.0000 (266.3750000d) Dec: -28 55 39.58 (-28.92766d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 62.5664 2500000001,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 72.5664 2500000001,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 82.5664 2500000001,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 77.5664 2500000001,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 62.5664 2500000001,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 72.5664 2500000001,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 82.5664 2500000001,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 72.5664 2500000001,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2H	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(1) GAL-CEN-FIELD1	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2H	101 Secs (101 Secs) [==>]	[1]



Proposal 13771 - Tile Visit 2I - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

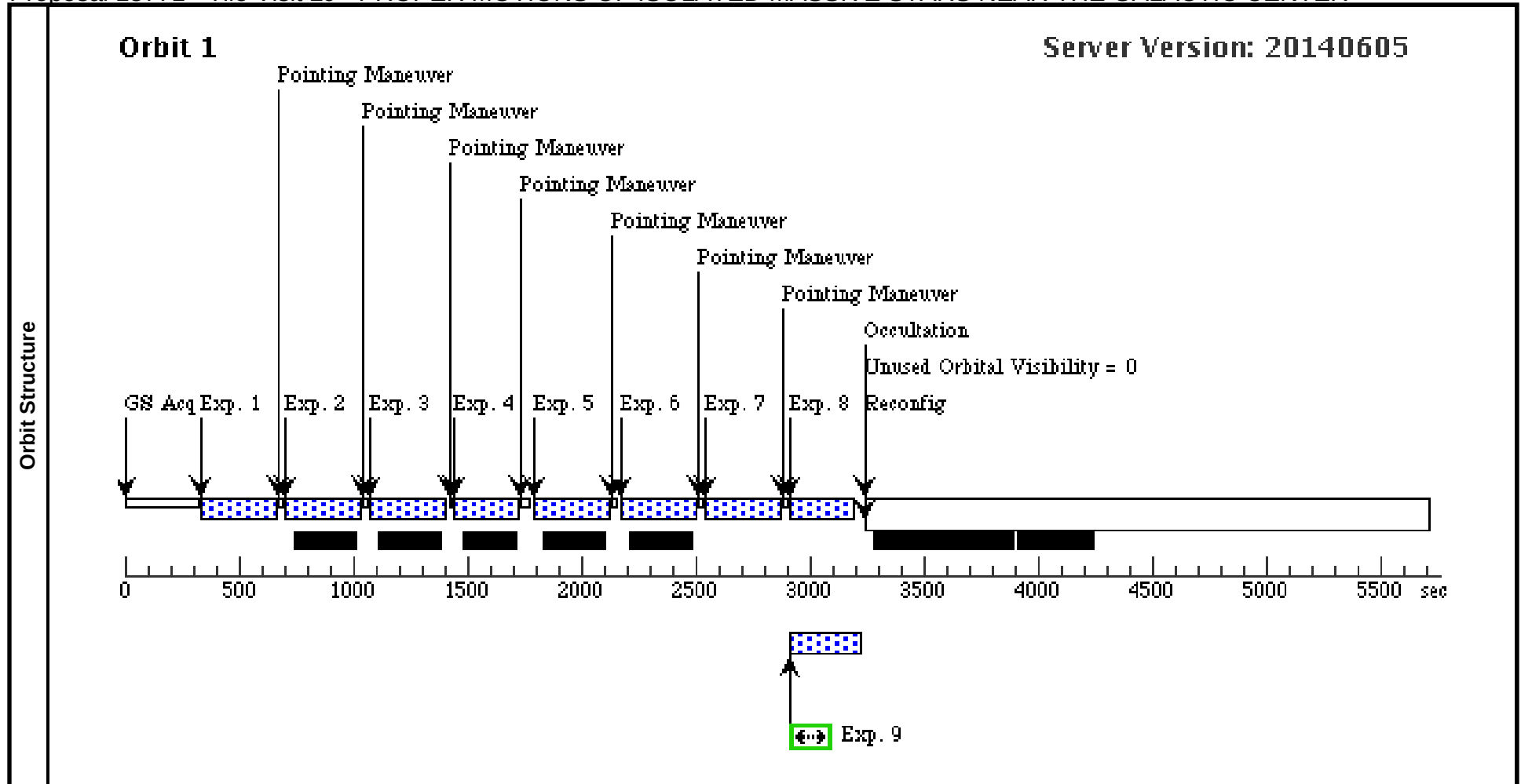
Visit	Proposal 13771, Tile Visit 2I, implementation									Thu Jul 24 01:39:55 GMT 2014
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 96.9726D TO 96.9726 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(1)	GAL-CEN-FIELD1	RA: 17 45 30.0000 (266.3750000d) Dec: -28 55 39.58 (-28.92766d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 187.699 275,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 197.699 275,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 207.699 275,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 202.699 275,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 187.699 275,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 197.699 275,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 207.699 275,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 197.699 275,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2I	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(1) GAL-CEN-FIELD1	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2I	101 Secs (101 Secs) [==>]	[1]

Server Version: 20140605



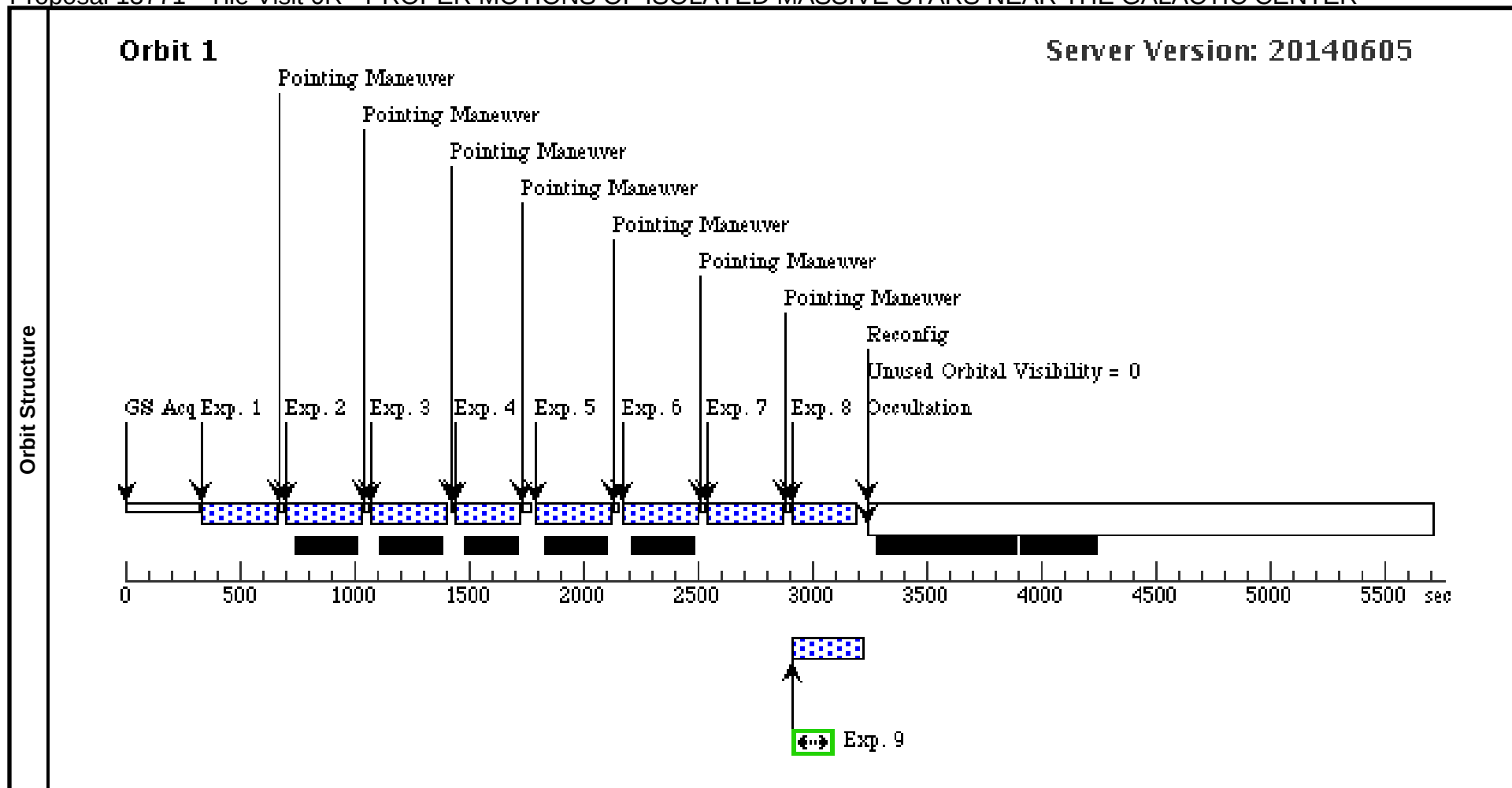
Proposal 13771 - Tile Visit 2J - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2J, implementation								Thu Jul 24 01:39:55 GMT 2014		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 96.9576D TO 96.9576 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	GAL-CEN-FIELD1	RA: 17 45 30.0000 (266.3750000d) Dec: -28 55 39.58 (-28.92766d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 312.832 125,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 322.832 125,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 332.832 125,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 327.832 125,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 312.832 125,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 322.832 125,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 332.832 125,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(1) GAL-CEN-FIELD1	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 322.832 125,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2J	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(1) GAL-CEN-FIELD1	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2J	101 Secs (101 Secs) [==>]		[1]



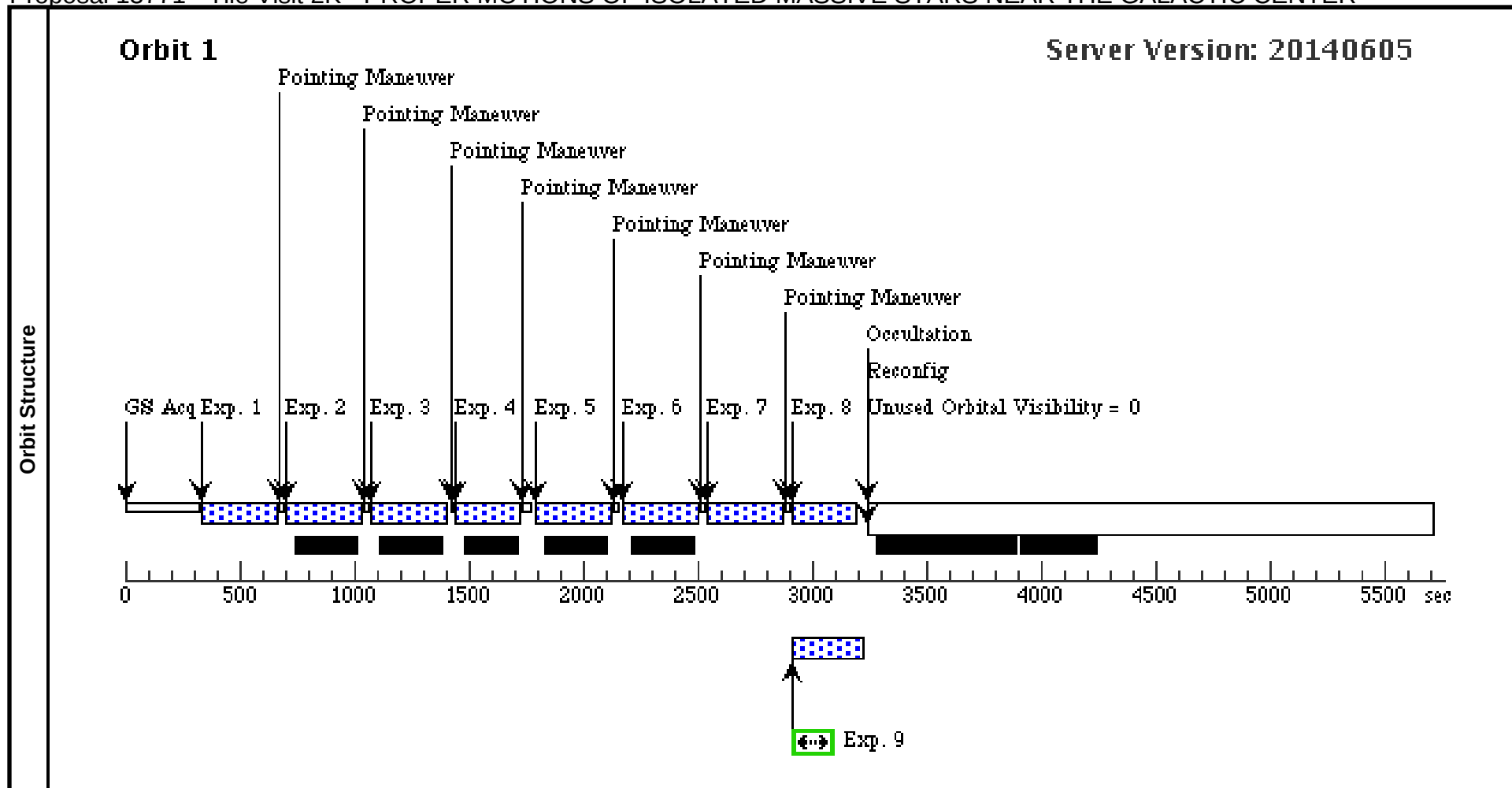
Proposal 13771 - Tile Visit 0R - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 0R, implementation									Thu Jul 24 01:39:55 GMT 2014
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 94.024D TO 94.024 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	GAL-CEN-FIELD2	RA: 17 45 6.7800 (266.2782500d) Dec: -29 06 49.94 (-29.11387d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -250.26 569999999998,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -240.26 569999999998,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -230.26 569999999998,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -235.26 569999999998,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -250.26 569999999998,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -240.26 569999999998,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -230.26 569999999998,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -240.26 569999999998,-60.0	Prime + Parallel Group 8-9 in Tile Visit 0R	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(2) GAL-CEN-FIELD2	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 0R	101 Secs (101 Secs) [==>]	[1]



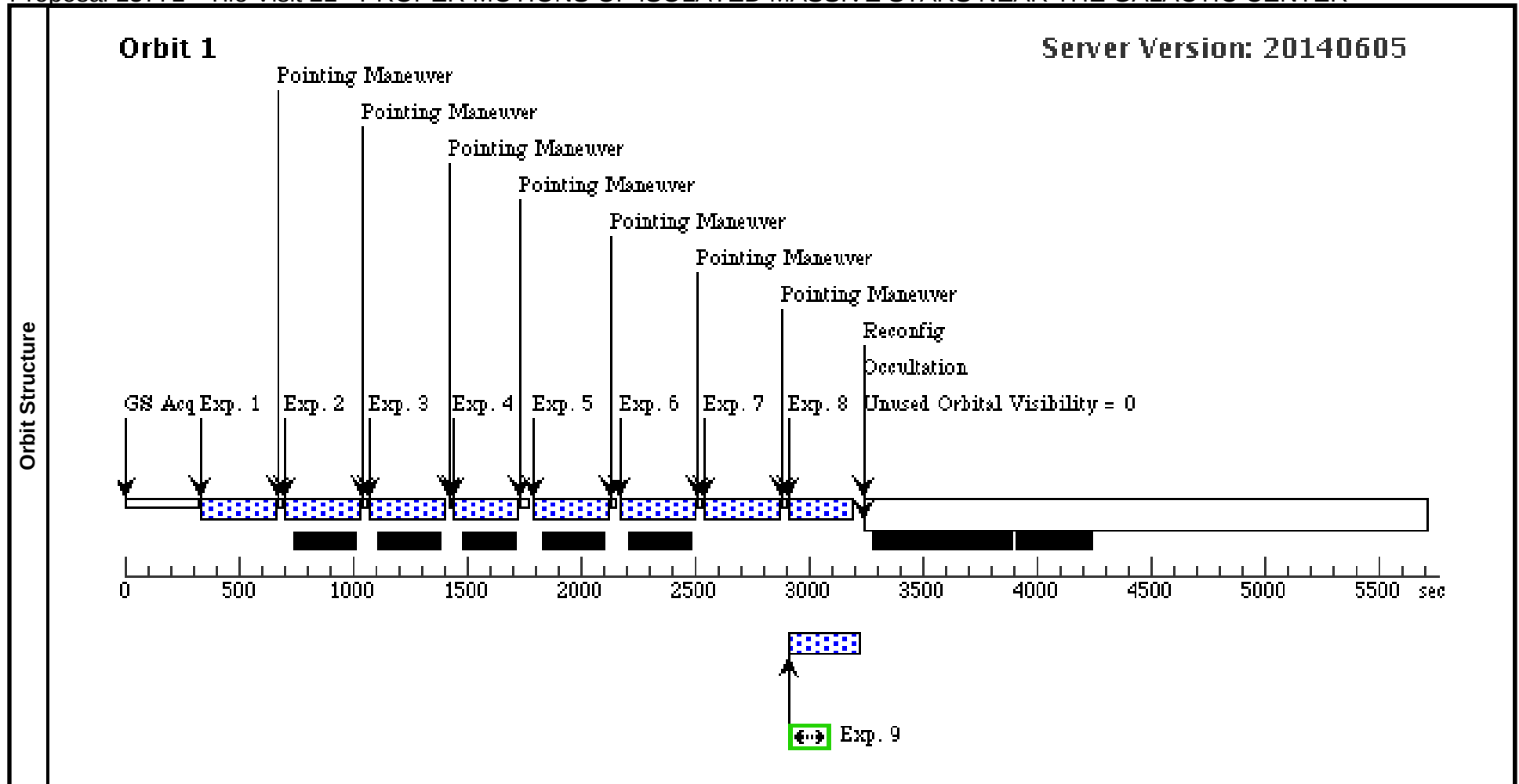
Proposal 13771 - Tile Visit 2K - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2K, implementation									Thu Jul 24 01:39:55 GMT 2014
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 94.0094D TO 94.0094 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	GAL-CEN-FIELD2	RA: 17 45 6.7800 (266.2782500d) Dec: -29 06 49.94 (-29.11387d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -125.13 284999999999,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -115.13 284999999999,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -105.13 284999999999,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -110.13 284999999999,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -125.13 284999999999,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -115.13 284999999999,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -105.13 284999999999,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -115.13 284999999999,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2K	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(2) GAL-CEN-FIELD2	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2K	101 Secs (101 Secs) [==>]	[1]



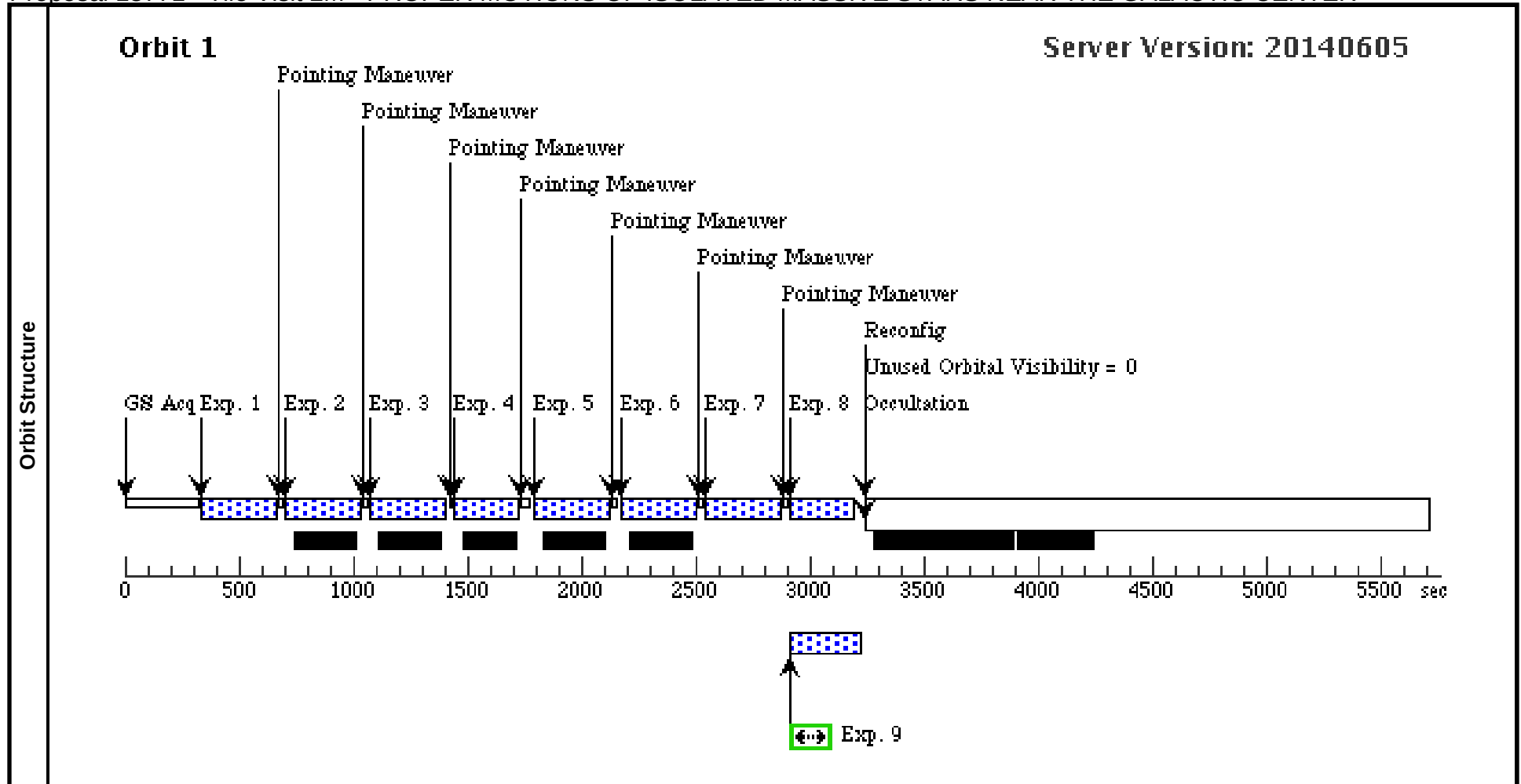
Proposal 13771 - Tile Visit 2L - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2L, implementation								Thu Jul 24 01:39:56 GMT 2014	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 93.9949D TO 93.9949 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	GAL-CEN-FIELD2	RA: 17 45 6.7800 (266.2782500d) Dec: -29 06 49.94 (-29.11387d) Equinox: J2000			V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 0.0,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 10.0,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 20.0,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP5 0	POS TARG 15.0,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 0.0,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 10.0,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP5 0	POS TARG 20.0,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP5 0	POS TARG 10.0,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2L	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(2) GAL-CEN-FIELD2	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2L	101 Secs (101 Secs) [==>]	[1]



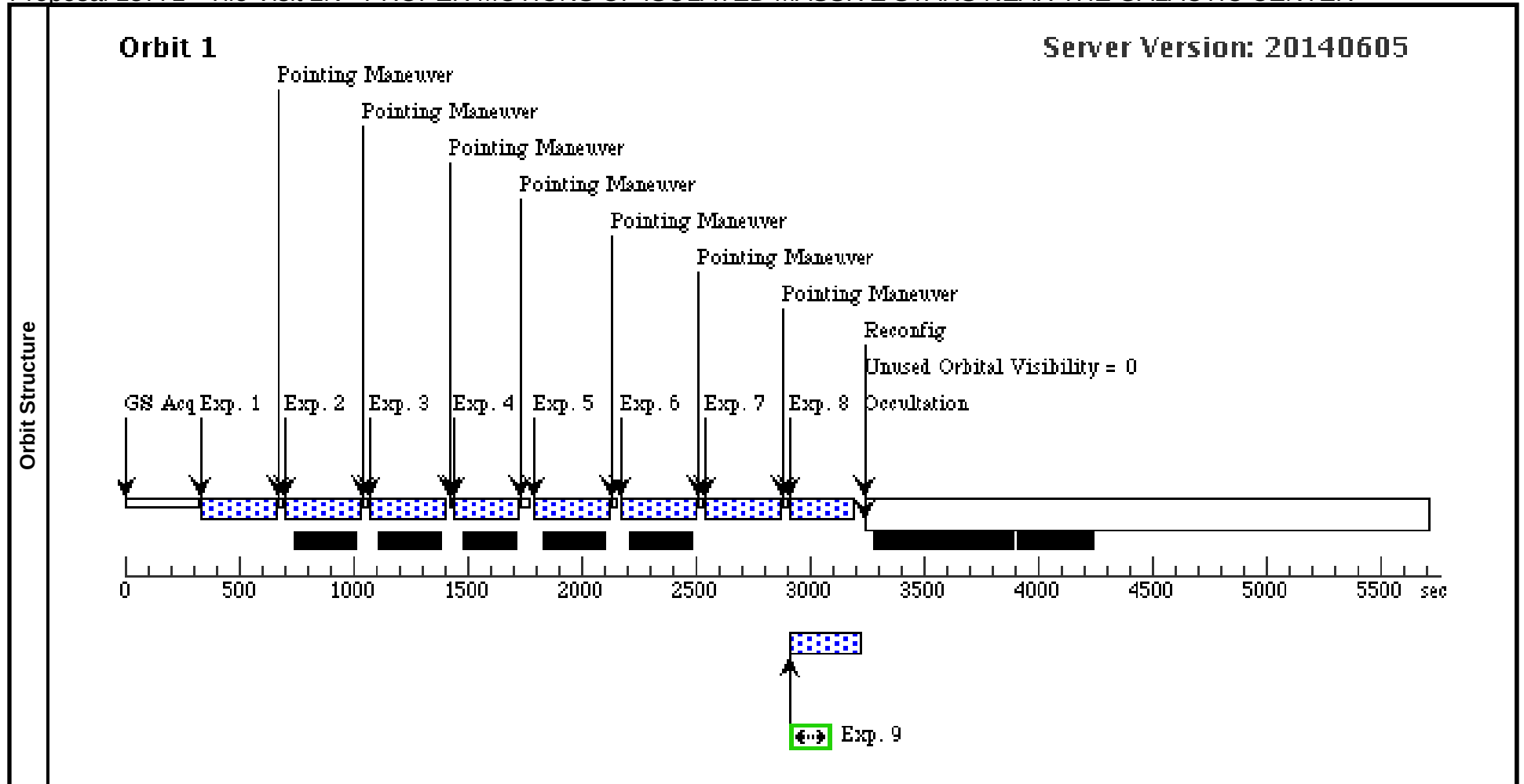
Proposal 13771 - Tile Visit 2M - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2M, implementation								Thu Jul 24 01:39:56 GMT 2014	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 93.9803D TO 93.9803 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	GAL-CEN-FIELD2	RA: 17 45 6.7800 (266.2782500d) Dec: -29 06 49.94 (-29.11387d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 125.132 84999999999,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 135.132 85,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 145.132 85,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 140.132 85,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 125.132 84999999999,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 135.132 85,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 145.132 85,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 135.132 85,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2M	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(2) GAL-CEN-FIELD2	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2M	101 Secs (101 Secs) [==>]	[1]



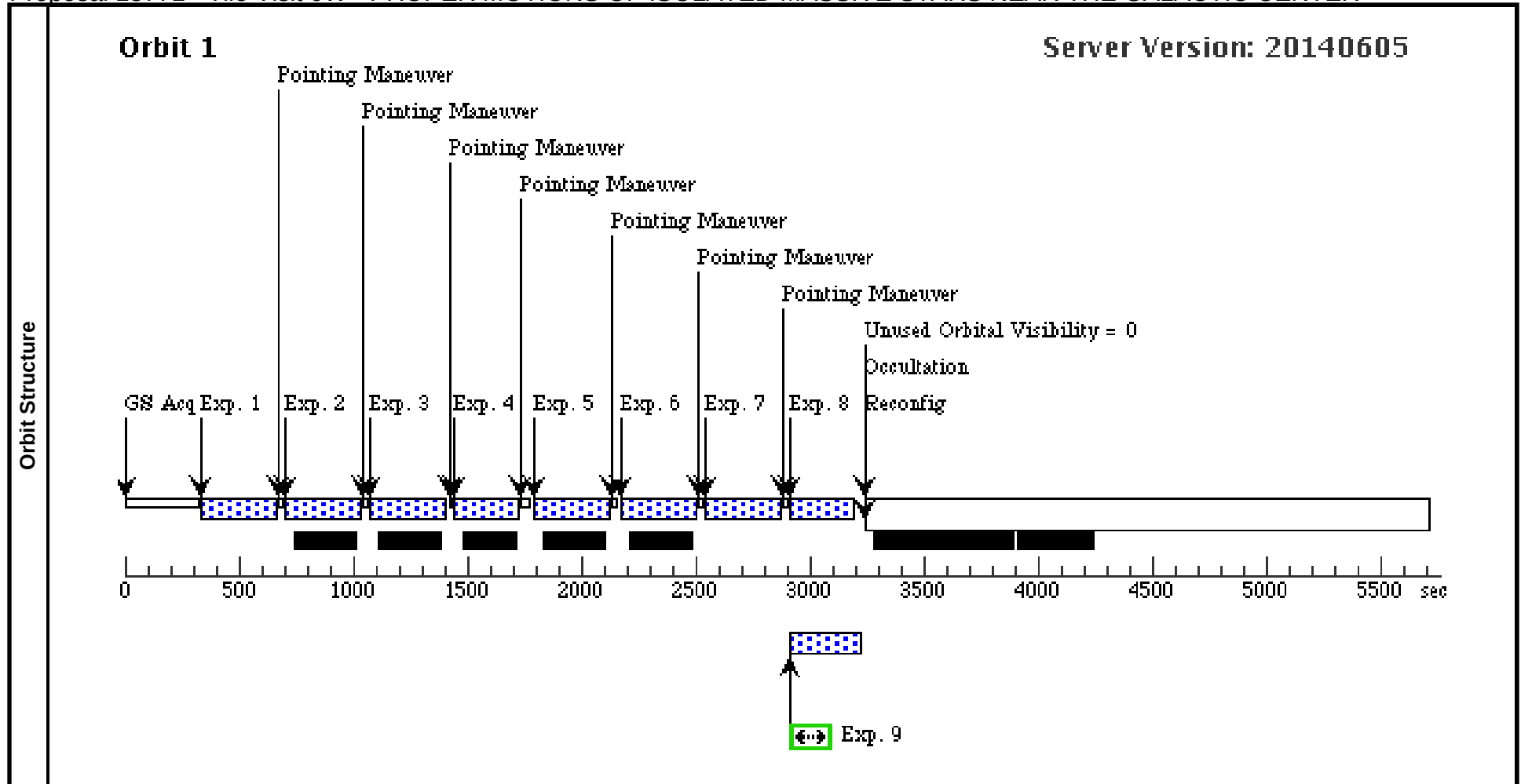
Proposal 13771 - Tile Visit 2N - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2N, implementation								Thu Jul 24 01:39:56 GMT 2014		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 93.9658D TO 93.9658 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	GAL-CEN-FIELD2	RA: 17 45 6.7800 (266.2782500d) Dec: -29 06 49.94 (-29.11387d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 250.265 69999999998,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 260.265 7,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 270.265 7,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 265.265 7,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 250.265 69999999998,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 260.265 7,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 270.265 7,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(2) GAL-CEN-FIELD2	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 260.265 7,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2N	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(2) GAL-CEN-FIELD2	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2N	101 Secs (101 Secs) [==>]		[1]



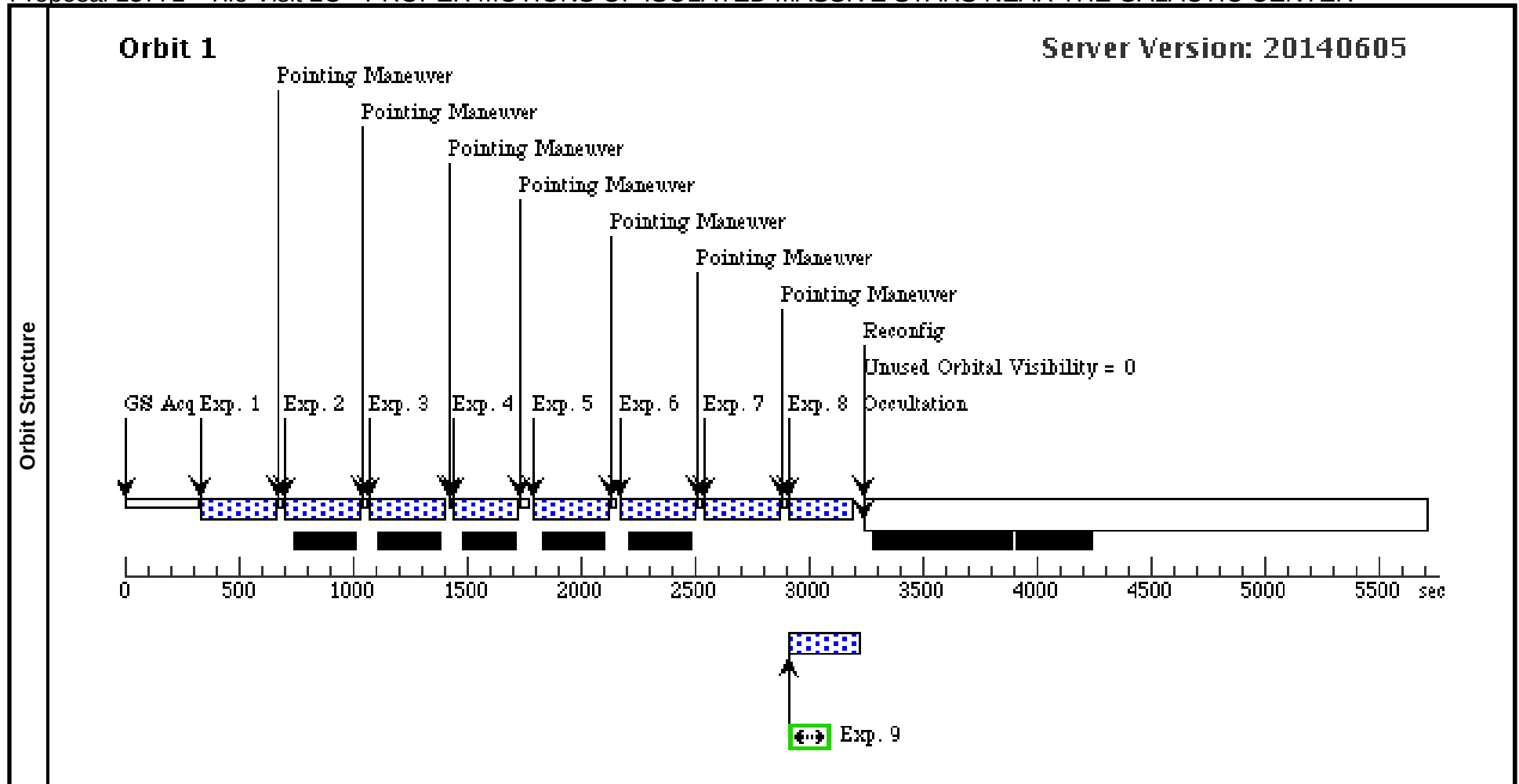
Proposal 13771 - Tile Visit 0W - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 0W, implementation										Thu Jul 24 01:39:56 GMT 2014
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 94.024D TO 94.024 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(4)	GAL-CEN-FIELD3	RA: 17 45 21.4400 (266.3393333d) Dec: -29 10 15.98 (-29.17111d) Equinox: J2000					V=(?) J=14-20		Reference Frame: ICRS	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -250.26 569999999998,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -240.26 569999999998,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -230.26 569999999998,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -235.26 569999999998,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -250.26 569999999998,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -240.26 569999999998,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -230.26 569999999998,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -240.26 569999999998,-60.0	Prime + Parallel Group 8-9 in Tile Visit 0W	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(4) GAL-CEN-FIELD3	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 0W	101 Secs (101 Secs) [==>]		[1]



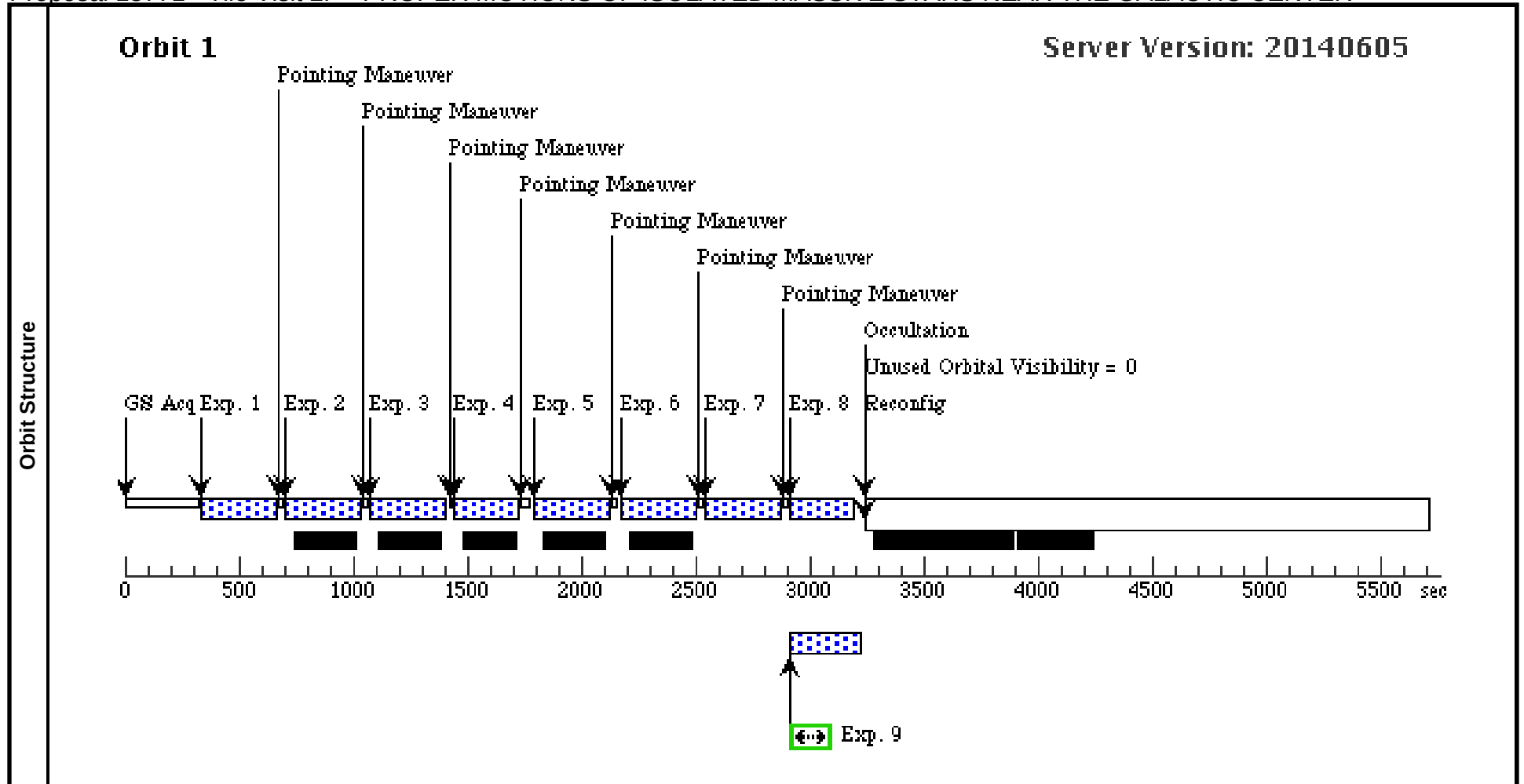
Proposal 13771 - Tile Visit 2O - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2O, implementation								Thu Jul 24 01:39:56 GMT 2014		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 94.0094D TO 94.0094 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	GAL-CEN-FIELD3	RA: 17 45 21.4400 (266.3393333d) Dec: -29 10 15.98 (-29.17111d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -125.13 284999999999,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -115.13 284999999999,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -105.13 284999999999,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -110.13 284999999999,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -125.13 284999999999,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -115.13 284999999999,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -105.13 284999999999,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -115.13 284999999999,-60.0	Prime + Parallel Group up 8-9 in Tile Visit 2O	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(4) GAL-CEN-FIELD3	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group up 8-9 in Tile Visit 2O	101 Secs (101 Secs) [==>]		[1]



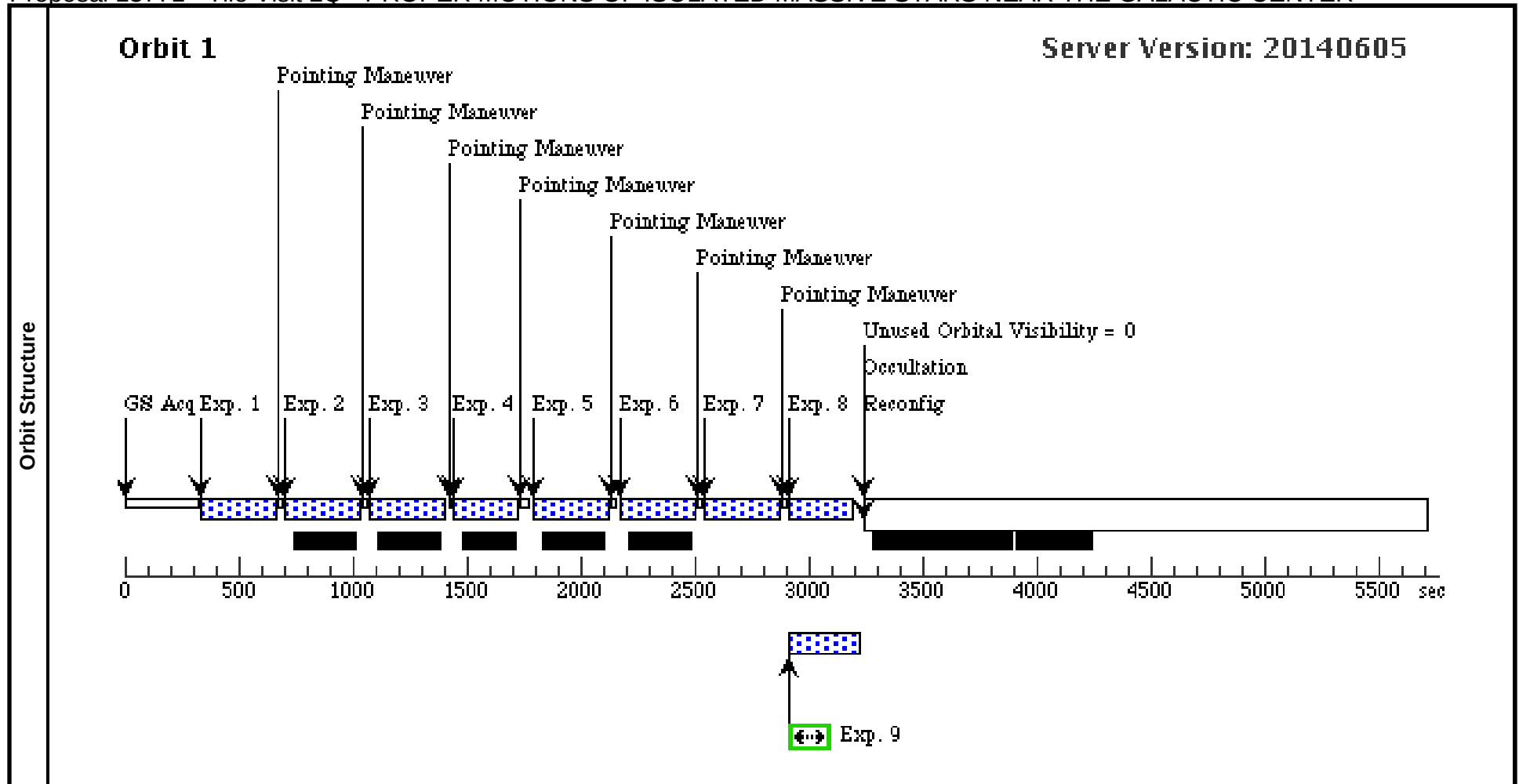
Proposal 13771 - Tile Visit 2P - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2P, implementation								Thu Jul 24 01:39:56 GMT 2014		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 93.9948D TO 93.9948 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	GAL-CEN-FIELD3	RA: 17 45 21.4400 (266.3393333d) Dec: -29 10 15.98 (-29.17111d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 0.0,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 10.0,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 20.0,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 15.0,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 0.0,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 10.0,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 20.0,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 10.0,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2P	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(4) GAL-CEN-FIELD3	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2P	101 Secs (101 Secs) [==>]		[1]



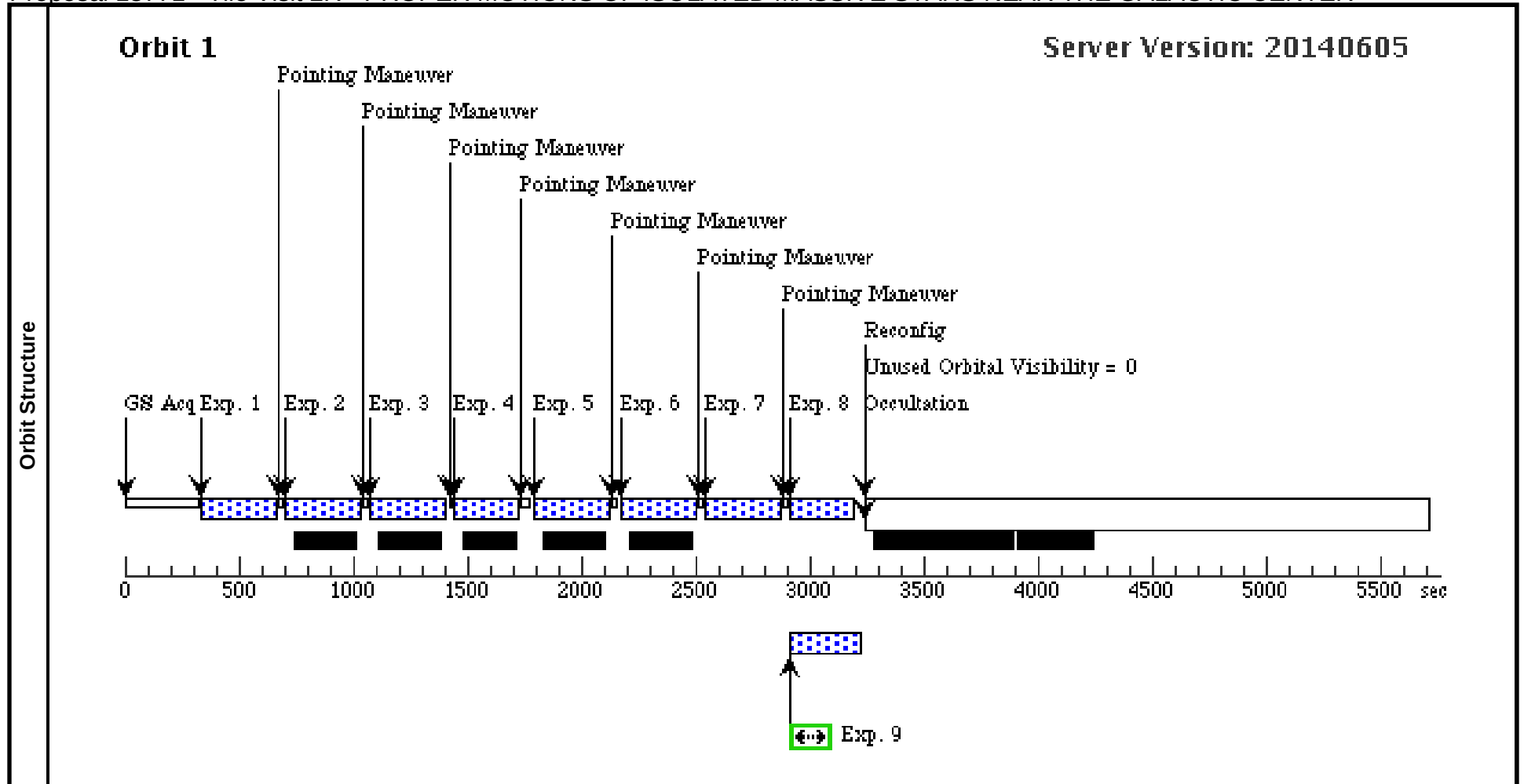
Proposal 13771 - Tile Visit 2Q - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2Q, implementation								Thu Jul 24 01:39:56 GMT 2014	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 93.9803D TO 93.9803 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	GAL-CEN-FIELD3	RA: 17 45 21.4400 (266.3393333d) Dec: -29 10 15.98 (-29.17111d) Equinox: J2000		V=(?) J=14-20	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 125.132 8499999999,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 135.132 85,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 145.132 85,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 140.132 85,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 125.132 8499999999,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 135.132 85,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 145.132 85,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 135.132 85,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2Q	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(4) GAL-CEN-FIELD3	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2Q	101 Secs (101 Secs) [==>]	[1]



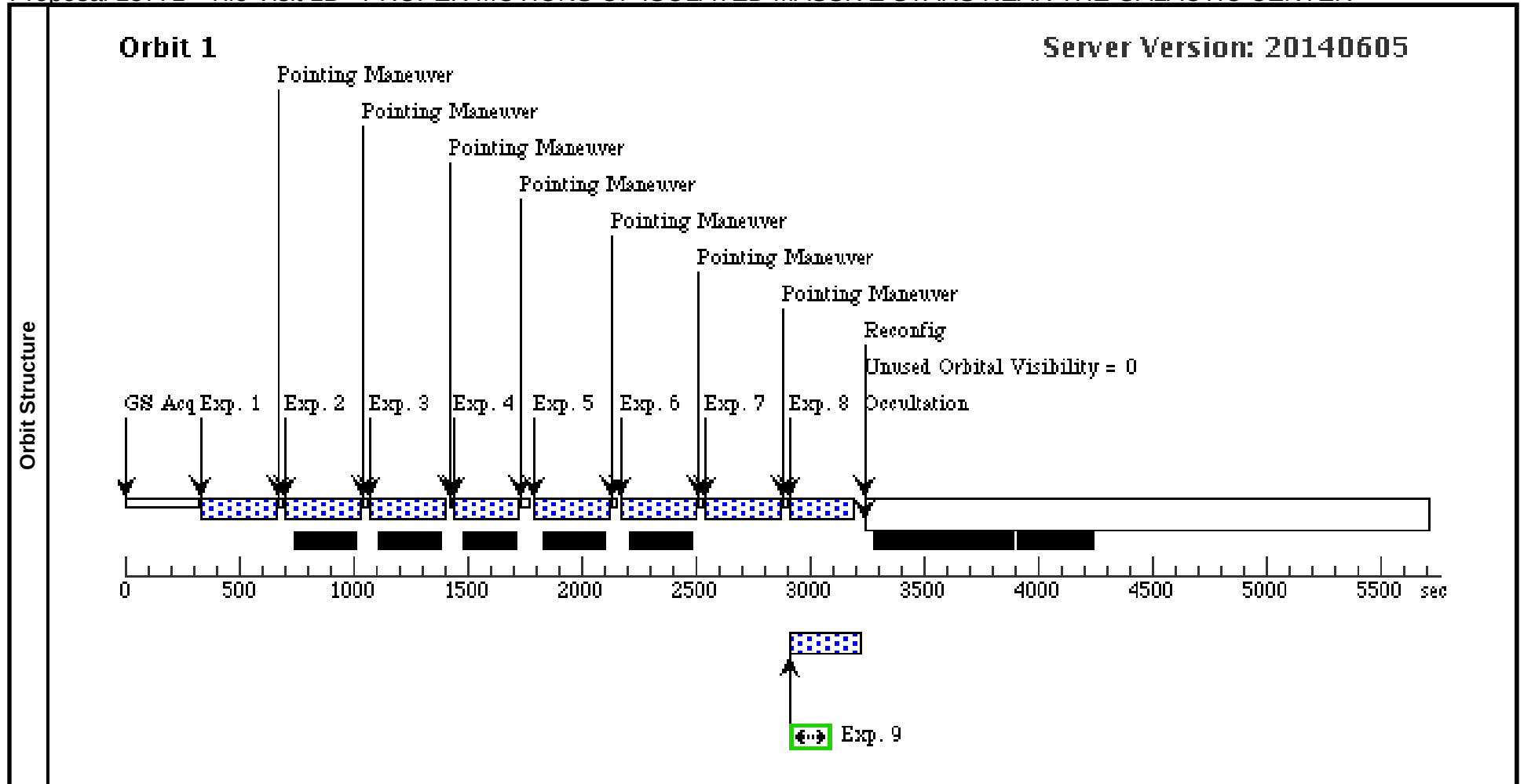
Proposal 13771 - Tile Visit 2R - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2R, implementation									Thu Jul 24 01:39:56 GMT 2014	
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR, ACS/WFC										
	Special Requirements: ORIENT 93.9657D TO 93.9657 D; AFTER 01-AUG-2015:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	GAL-CEN-FIELD3	RA: 17 45 21.4400 (266.3393333d) Dec: -29 10 15.98 (-29.17111d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 250.265 69999999998,50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	2		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 260.265 7,55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	3		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 270.265 7,45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	4		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 265.265 7,40.0		249.23203 Secs (249.232 Secs) [==>]		[1]
	5		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 250.265 69999999998,-50.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	6		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 260.265 7,-45.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	7		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 270.265 7,-55.0		299.232481 Secs (299.232 Secs) [==>]		[1]
	8		(4) GAL-CEN-FIELD3	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 260.265 7,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2R	249.23203 Secs (249.232 Secs) [==>]		[1]
	9		(4) GAL-CEN-FIELD3	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2R	101 Secs (101 Secs) [==>]		[1]



Proposal 13771 - Tile Visit 1B - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 1B, implementation									Thu Jul 24 01:39:56 GMT 2014
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 94.0021D TO 94.0021 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(3)	GAL-CEN-FIELD4	RA: 17 46 7.5600 (266.5315000d) Dec: -28 54 2.42 (-28.90067d) Equinox: J2000				V=(?) J=14-20		Reference Frame: ICRS	
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -62.566 424999999995,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -52.566 424999999995,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -42.566 424999999995,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -47.566 424999999995,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -62.566 424999999995,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -52.566 424999999995,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG -42.566 424999999995,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG -52.566 424999999995,-60.0	Prime + Parallel Group 8-9 in Tile Visit 1B	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(3) GAL-CEN-FIELD4	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 1B	101 Secs (101 Secs) [==>]	[1]



Proposal 13771 - Tile Visit 2S - PROPER MOTIONS OF ISOLATED MASSIVE STARS NEAR THE GALACTIC CENTER

Visit	Proposal 13771, Tile Visit 2S, implementation								Thu Jul 24 01:39:56 GMT 2014	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 93.9877D TO 93.9877 D; AFTER 01-AUG-2015:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	GAL-CEN-FIELD4	RA: 17 46 7.5600 (266.5315000d) Dec: -28 54 2.42 (-28.90067d) Equinox: J2000			V=(?) J=14-20		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 62.5664 24999999995,50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	2		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 72.5664 25,55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	3		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 82.5664 25,45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	4		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 77.5664 25,40.0		249.23203 Secs (249.232 Secs) [==>]	[1]
	5		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 62.5664 24999999995,-50.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	6		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 72.5664 25,-45.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	7		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=11; SAMP-SEQ=STEP50	POS TARG 82.5664 25,-55.0		299.232481 Secs (299.232 Secs) [==>]	[1]
	8		(3) GAL-CEN-FIELD4	WFC3/IR, MULTIACCUM, IR	F139M	NSAMP=10; SAMP-SEQ=STEP50	POS TARG 72.5664 25,-60.0	Prime + Parallel Group 8-9 in Tile Visit 2S	249.23203 Secs (249.232 Secs) [==>]	[1]
	9		(3) GAL-CEN-FIELD4	ACS/WFC, ACCUM, WFC	F850LP			Prime + Parallel Group 8-9 in Tile Visit 2S	101 Secs (101 Secs) [==>]	[1]

