



13449 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Cycle: 21, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) COMA-BERENICES-1 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:30:59.0	yes
02	(1) COMA-BERENICES-1 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:31:17.0	yes
03	(1) COMA-BERENICES-1 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:31:33.0	yes

Proposal 13449 (STScI Edit Number: 5, Created: Thursday, October 24, 2013 8:34:33 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
04	(1) COMA-BERENICES-1 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:31:47.0	yes
05	(1) COMA-BERENICES-1 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:32:02.0	yes
06	(1) COMA-BERENICES-1 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:32:16.0	yes
07	(1) COMA-BERENICES-1 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:32:34.0	yes
08	(1) COMA-BERENICES-1 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:32:47.0	yes
17	(2) COMA-BERENICES-2 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:33:01.0	yes
18	(2) COMA-BERENICES-2 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:33:14.0	yes
19	(2) COMA-BERENICES-2 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:33:28.0	yes
20	(2) COMA-BERENICES-2 ANY	ACS/WFC WFC3/IR	3	24-Oct-2013 21:33:41.0	yes
13	(3) COMA-BERENICES-3 ANY	ACS/WFC WFC3/IR	2	24-Oct-2013 21:33:51.0	yes
14	(3) COMA-BERENICES-3 ANY	ACS/WFC WFC3/IR	2	24-Oct-2013 21:34:01.0	yes
15	(3) COMA-BERENICES-3 ANY	ACS/WFC WFC3/IR	2	24-Oct-2013 21:34:10.0	yes
16	(3) COMA-BERENICES-3 ANY	ACS/WFC WFC3/IR	2	24-Oct-2013 21:34:22.0	yes

44 Total Orbits Used

ABSTRACT

The stellar initial mass function (IMF) underlies all estimates of galaxy stellar masses and star formation histories. There are theoretical reasons and indirect observations to suggest that the IMF varies with galactic environment. We recently demonstrated via main sequence star counts that the Milky Way ultra-faint dwarf galaxies have shallower IMF slopes as compared to the Milky Way over the mass range $0.5 - 0.75 M_{\text{sun}}$, providing direct evidence that the IMF depends on galactic environment. However, these observations do not reach the stellar mass at which the IMF in the Milky Way turns over. Determining the presence and location of an IMF turn over in an environment distinct from the Milky Way will directly test theories of low mass star formation and have implications at all galaxy mass scales. We propose to measure the IMF in the ultra-faint dwarf galaxy Coma Berenices, one of the least luminous and most metal-poor galaxies known. Using the WFC3, we will measure the shape of the IMF to a stellar mass of $0.17 M_{\text{sun}}$. This extremely low mass limit is enabled by the combination of ComBer's proximity (44 kpc) and WFC3's infrared sensitivity to the light from such cool stars. The proposed observations represent a unique opportunity to cleanly determine the IMF in a significantly different environment than previously possible and will be the deepest direct IMF measurement outside the Milky Way.

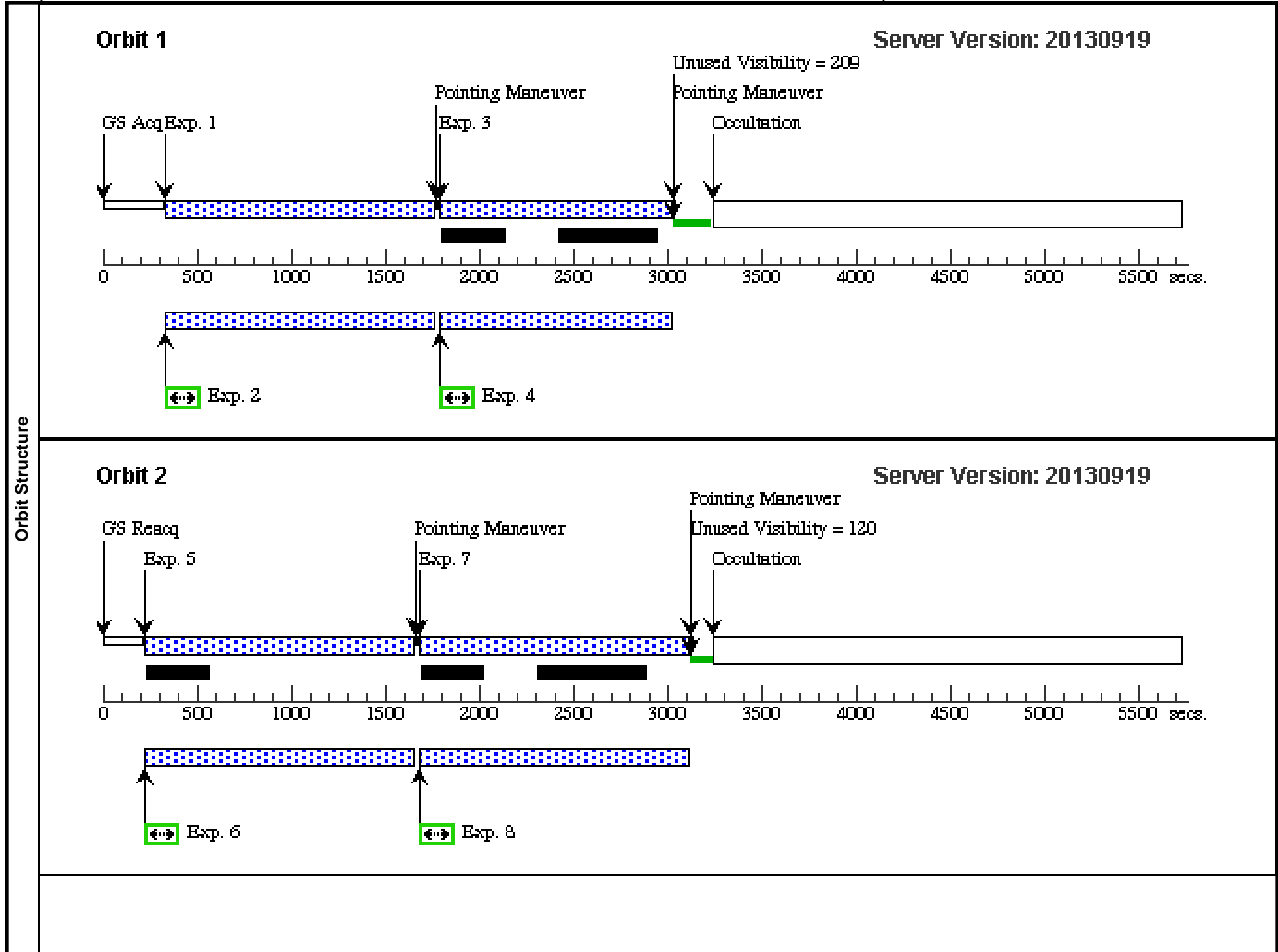
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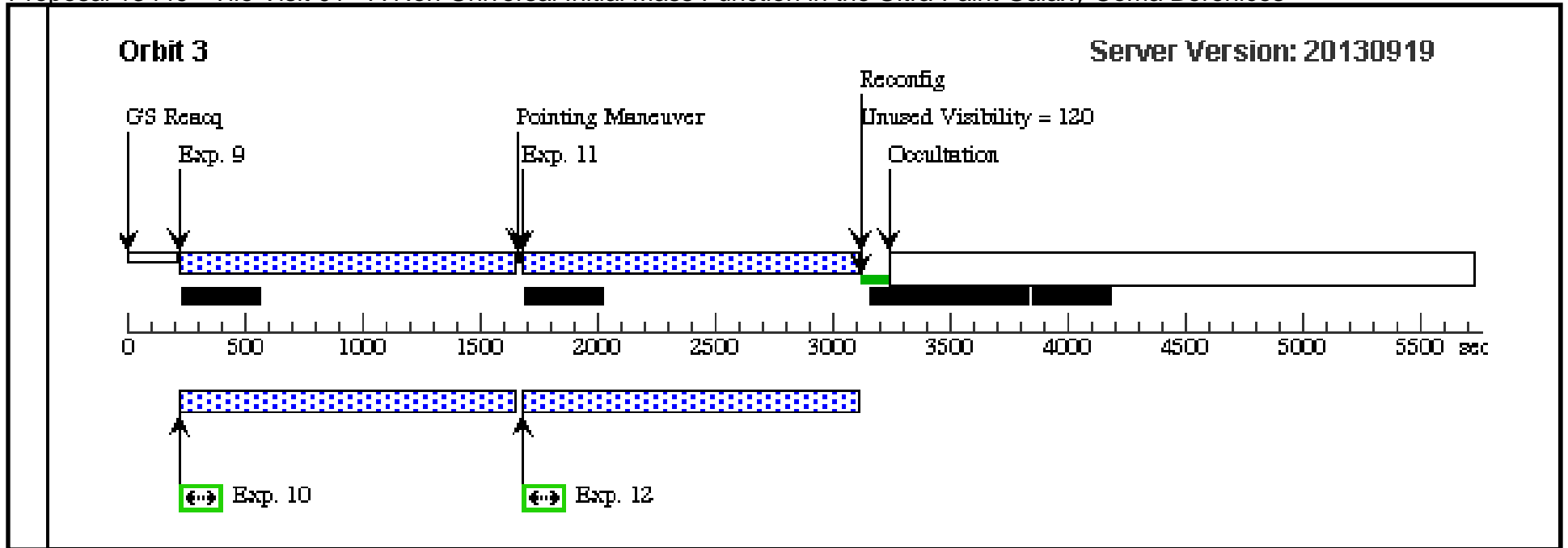
We will obtain a total of 44 orbits of WFC3/IR imaging in the Milky Way ultra-faint satellite galaxy Coma Berenices. Our goal is to resolve main sequence stars down to stellar masses of $0.17 M_{\text{sun}}$ in order to determine the stellar initial mass function (IMF) in this galaxy. We will obtain a 2x2 mosaic centered on Coma Berenices in WFC3/IR using the F110W and F160W filters. We will additionally obtain parallel exposures with ACS/WFC in F606W and F814W. We do not request a specific orient angle, however, all visits should be scheduled at the same orient to maximize the sky coverage at the required depth. Visits will consist of 2-3 orbits, with 2 exposures per orbit in a single filter. Within a visit, each exposure will be dithered to obtain good PSF sampling.

Proposal 13449 - Tile Visit 01 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:34 GMT 2013

Visit	Proposal 13449, Tile Visit 01, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: ORIENT 276D TO 280 D										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(1)	COMA-BERENICES-1	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence turnoff	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -68.127 88499999999,-60.38 759999999996; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 01	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in Tile Visit 01	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=STEP2 00	POS TARG -67.585 88499999999,-60.20 599999999996	Prime + Parallel Group 3-4 in Tile Visit 01	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in Tile Visit 01	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -67.789 18499999999,-59.90 319999999996	Prime + Parallel Group 5-6 in Tile Visit 01	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 01	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -68.330 885,-60.0666999999 9996	Prime + Parallel Group 7-8 in Tile Visit 01	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 01	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -69.855 48499999999,-58.54 159999999996	Prime + Parallel Group 9-10 in Tile Visit 01	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-10 in Tile Visit 01	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -69.652 18499999999,-58.66 199999999996	Prime + Parallel Group 11-12 in Tile Visit 01	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 11-12 in Tile Visit 01	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

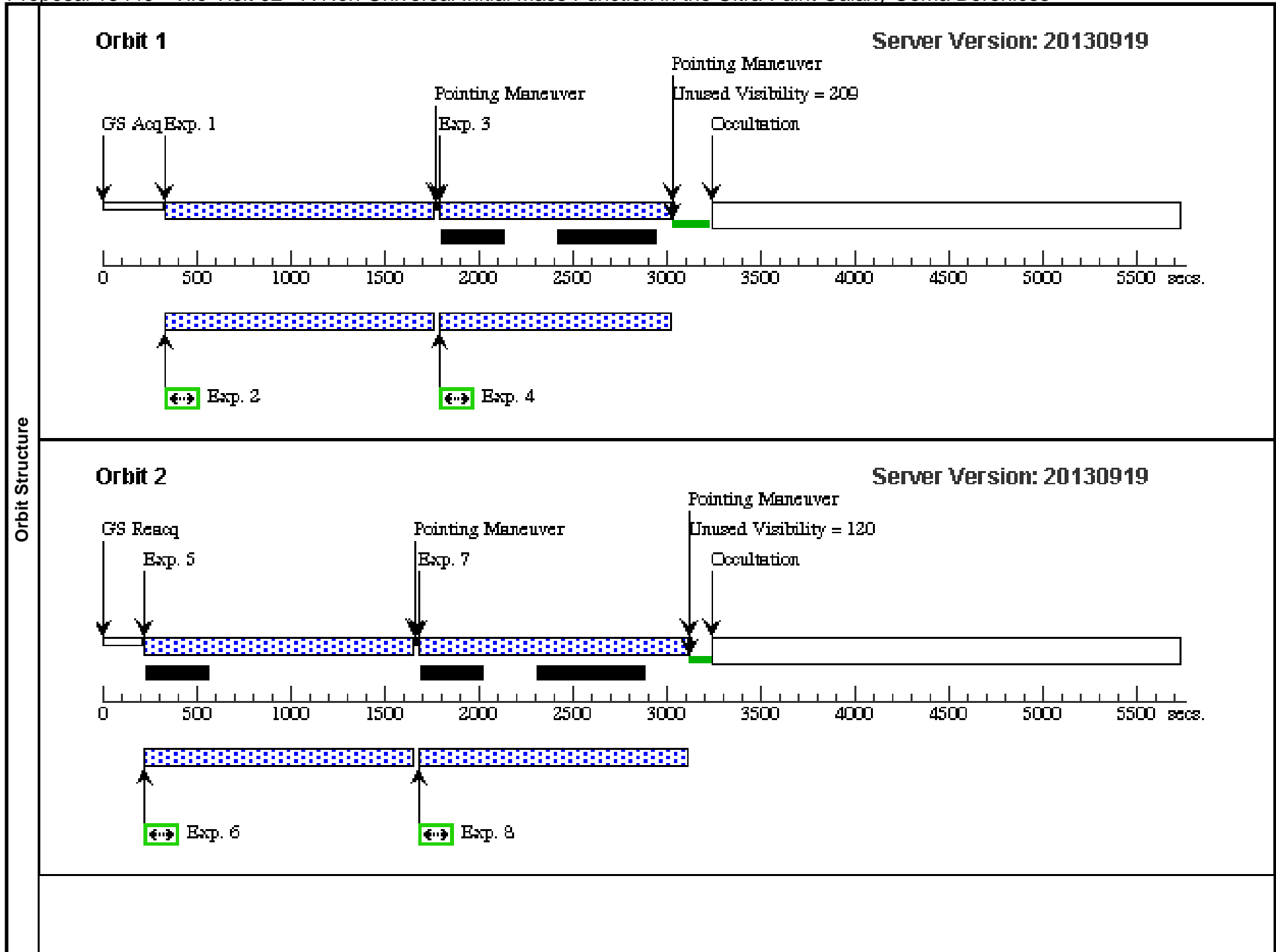


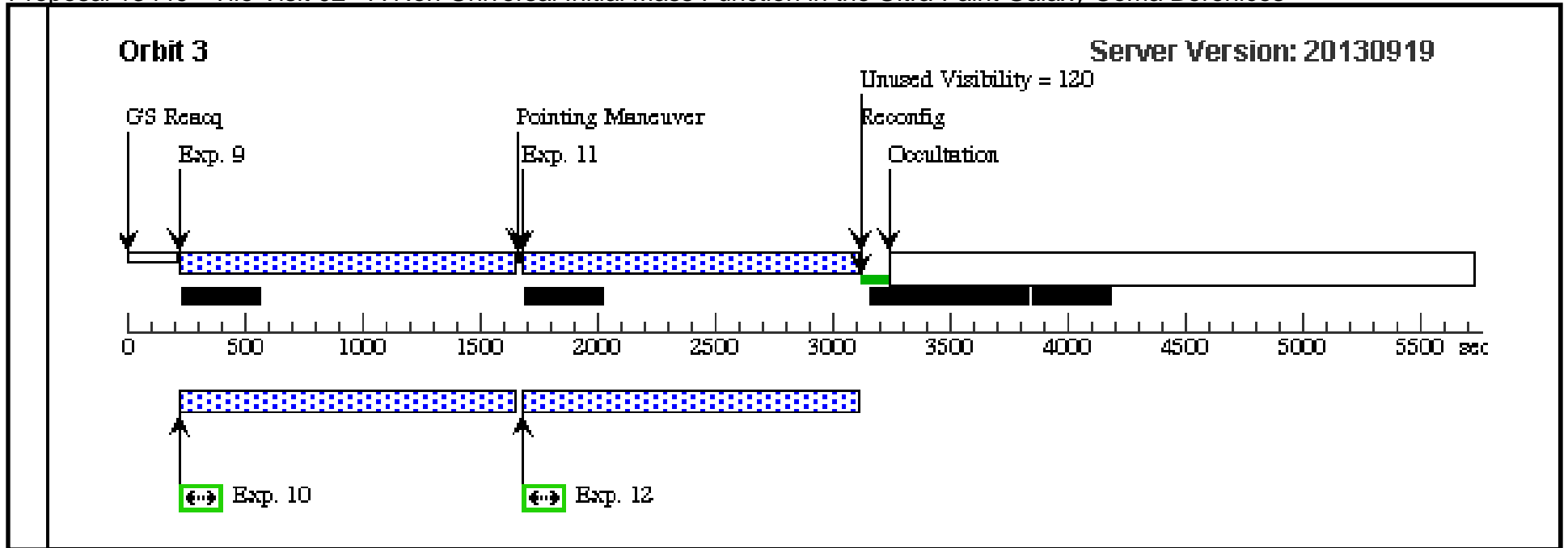


Proposal 13449 - Tile Visit 02 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:37 GMT 2013

Visit	Proposal 13449, Tile Visit 02, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	COMA-BERENICES-1	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence turnoff	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 68.1278 8499999999,-60.387 59999999996; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 02	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in Tile Visit 02	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=STEP2 00	POS TARG 68.6698 85,-60.20599999999 996	Prime + Parallel Group 3-4 in Tile Visit 02	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in Tile Visit 02	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 68.4665 85,-59.90319999999 996	Prime + Parallel Group 5-6 in Tile Visit 02	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 02	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 67.9248 8499999999,-60.066 69999999996	Prime + Parallel Group 7-8 in Tile Visit 02	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 02	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 66.4002 85,-58.54159999999 996	Prime + Parallel Group 9-10 in Tile Visit 02	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-10 in Tile Visit 02	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 66.6035 85,-58.66199999999 996	Prime + Parallel Group 11-12 in Tile Visit 02	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 11-12 in Tile Visit 02	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

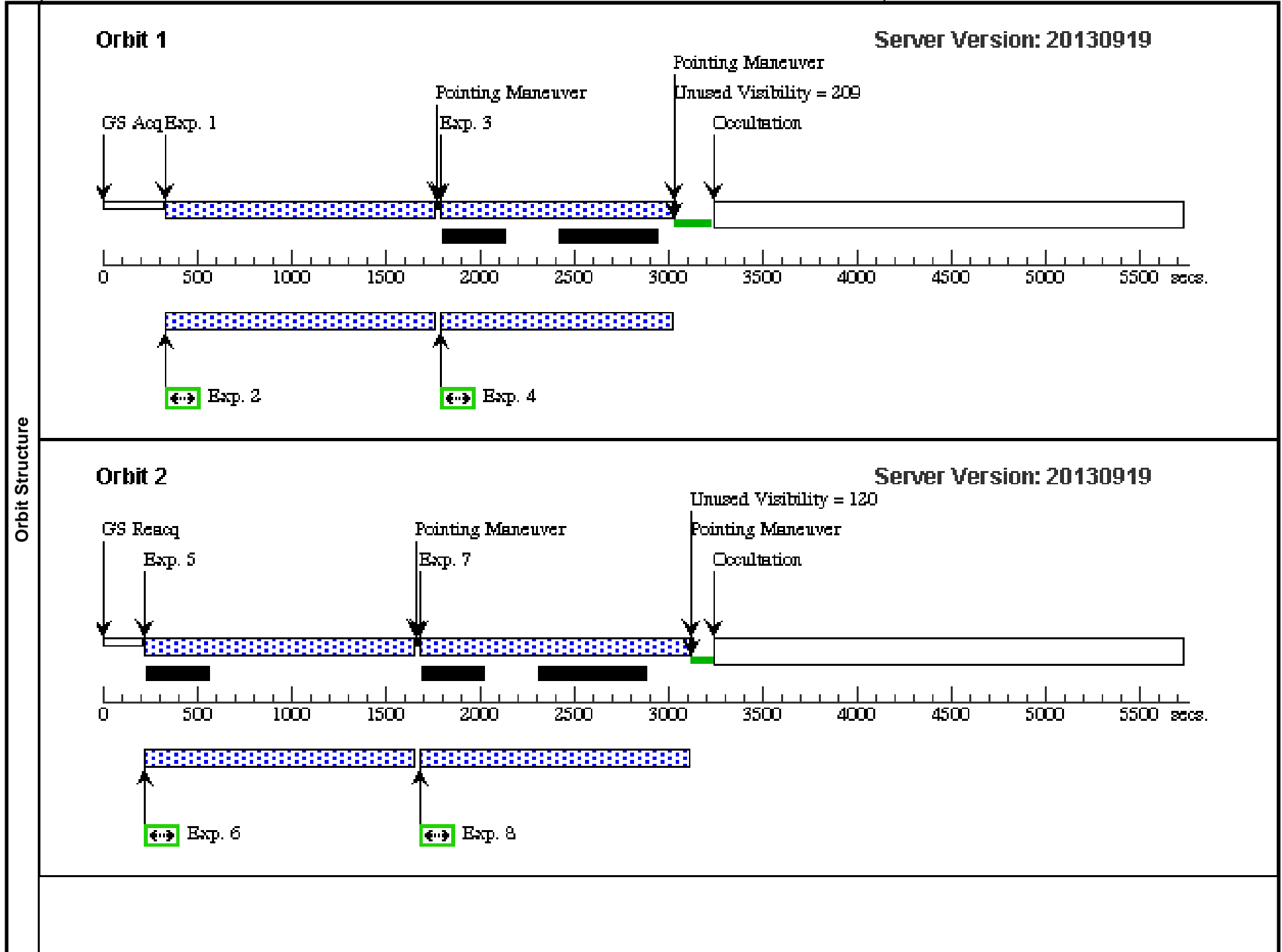


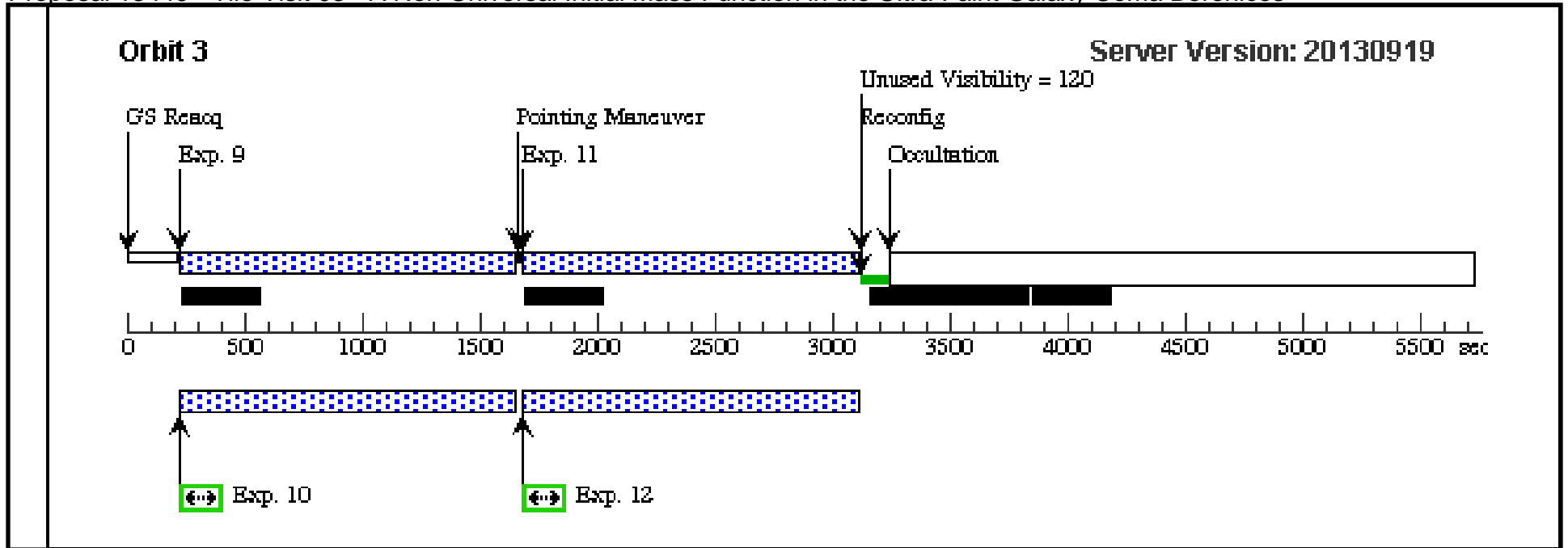


Proposal 13449 - Tile Visit 03 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:39 GMT 2013

Visit	Proposal 13449, Tile Visit 03, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(1)	COMA-BERENICES-1	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence turnoff	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -68.127 88499999999,60.387 59999999998; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 03	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in Tile Visit 03	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=STEP2 00	POS TARG -67.585 88499999999,60.569 19999999998	Prime + Parallel Group 3-4 in Tile Visit 03	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in Tile Visit 03	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -67.789 18499999999,60.871 99999999998	Prime + Parallel Group 5-6 in Tile Visit 03	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 03	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -68.330 885,60.70849999999 998	Prime + Parallel Group 7-8 in Tile Visit 03	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 03	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -69.855 48499999999,62.233 59999999998	Prime + Parallel Group 9-10 in Tile Visit 03	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-10 in Tile Visit 03	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -69.652 18499999999,62.113 19999999998	Prime + Parallel Group 11-12 in Tile Visit 03	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 11-12 in Tile Visit 03	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

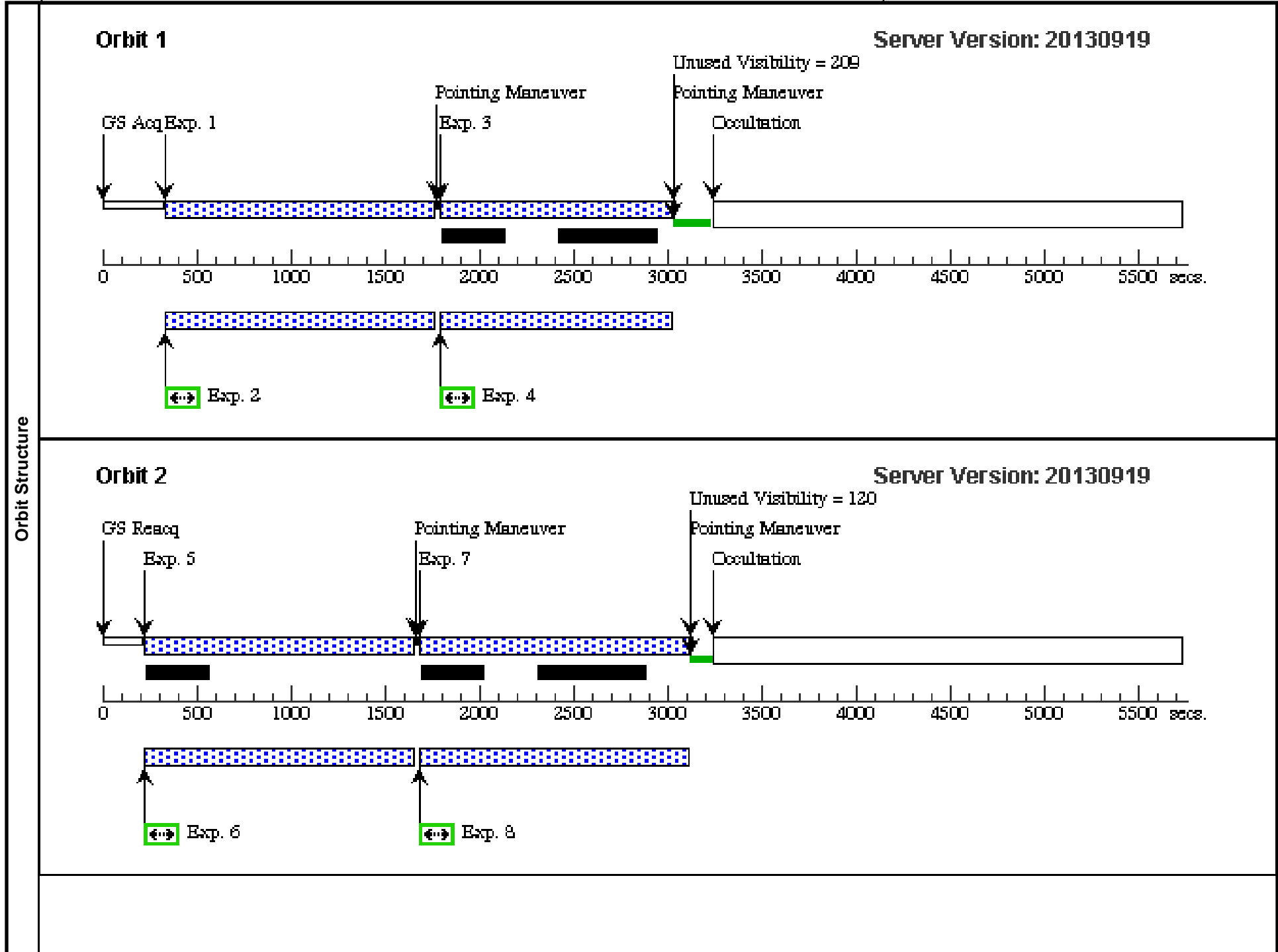


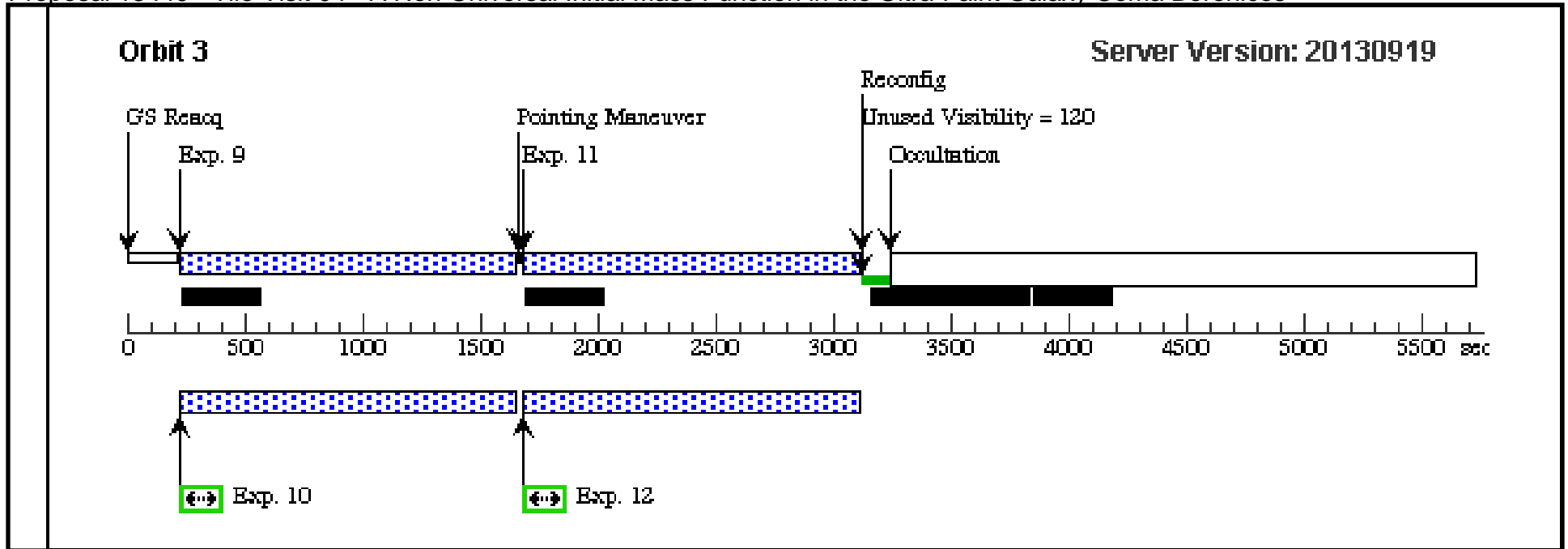


Proposal 13449 - Tile Visit 04 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:40 GMT 2013

Visit	Proposal 13449, Tile Visit 04, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	COMA-BERENICES-1	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence turnoff	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.1278 8499999999,60.3875 9999999998; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 04	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in Tile Visit 04	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG 68.6698 85,60.569199999999	Prime + Parallel Group 3-4 in Tile Visit 04	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in Tile Visit 04	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.4665 85,60.871999999999	Prime + Parallel Group 5-6 in Tile Visit 04	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 04	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 67.9248 8499999999,60.7084 9999999998	Prime + Parallel Group 7-8 in Tile Visit 04	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 04	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.4002 85,62.233599999999	Prime + Parallel Group 9-10 in Tile Visit 04	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-10 in Tile Visit 04	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.6035 85,62.113199999999	Prime + Parallel Group 11-12 in Tile Visit 04	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 11-12 in Tile Visit 04	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

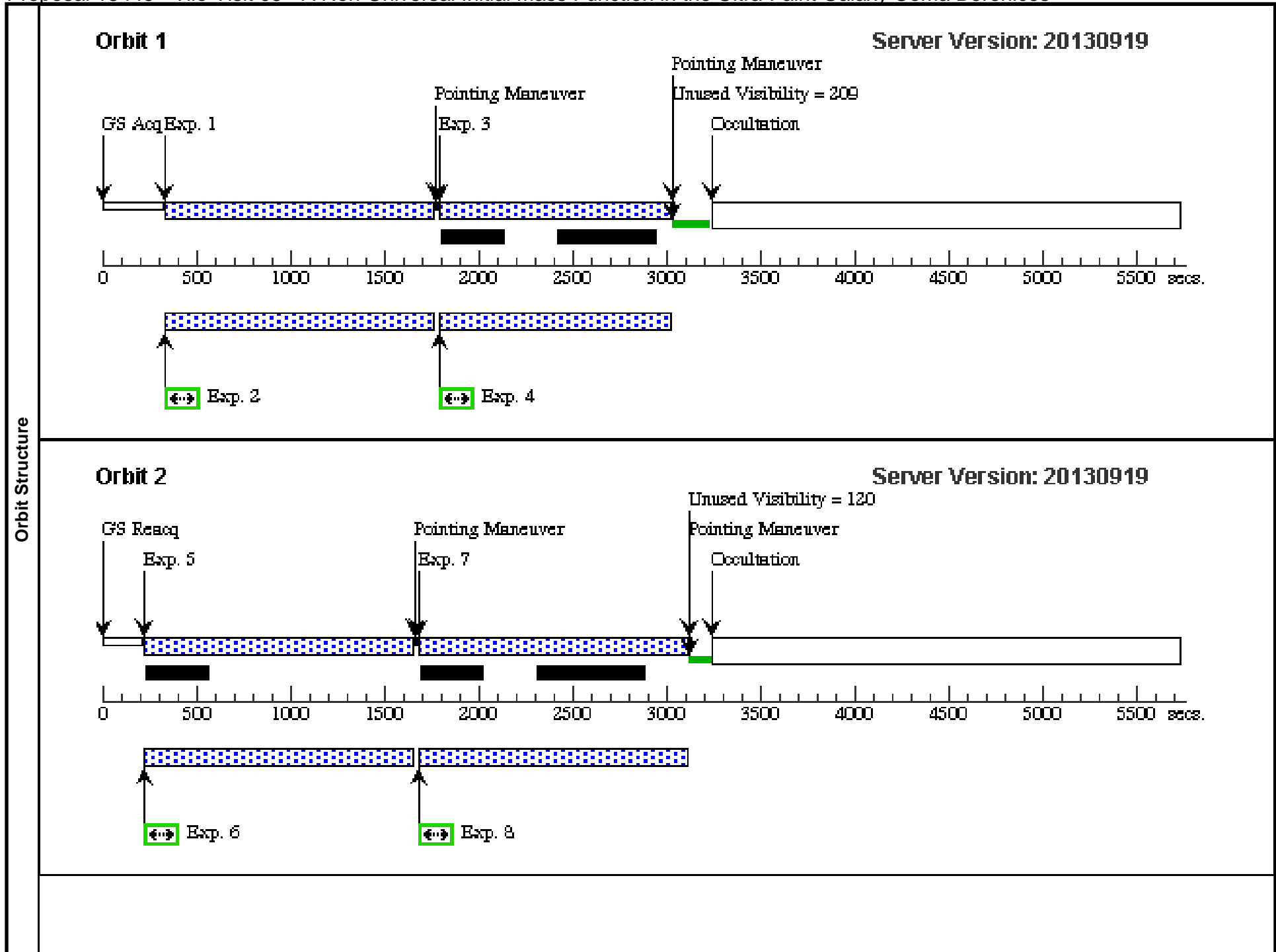


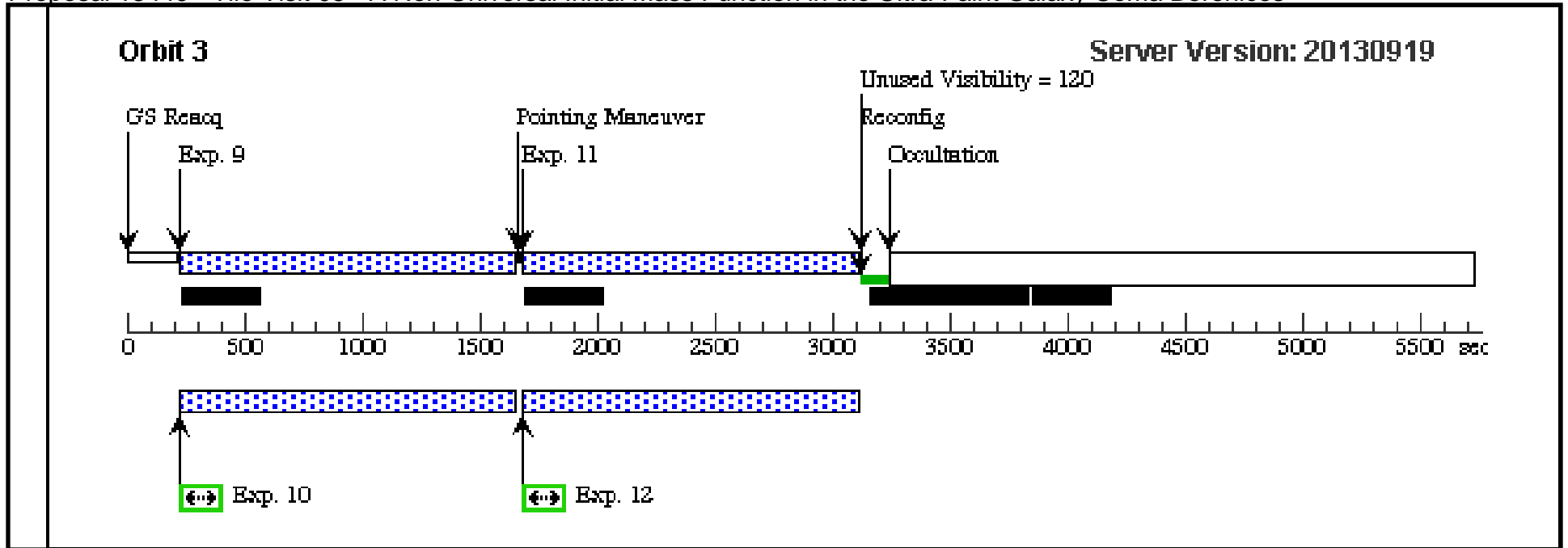


Proposal 13449 - Tile Visit 05 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:42 GMT 2013

Visit	Proposal 13449, Tile Visit 05, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(1)	COMA-BERENICES-1	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence turnoff	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -68.127 88499999999,-60.38 759999999996; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 05	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Tile Visit 05	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP2 00	POS TARG -67.585 88499999999,-60.20 599999999996	Prime + Parallel Group 3-4 in Tile Visit 05	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Tile Visit 05	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -67.789 18499999999,-59.90 319999999996	Prime + Parallel Group 5-6 in Tile Visit 05	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Tile Visit 05	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -68.330 885,-60.0666999999 9996	Prime + Parallel Group 7-8 in Tile Visit 05	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Tile Visit 05	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -69.854 885,-58.5415999999 9996	Prime + Parallel Group 9-10 in Tile Visit 05	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Tile Visit 05	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG -69.651 885,-58.6619999999 9996	Prime + Parallel Group 11-12 in Tile Visit 05	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 11-12 in Tile Visit 05	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

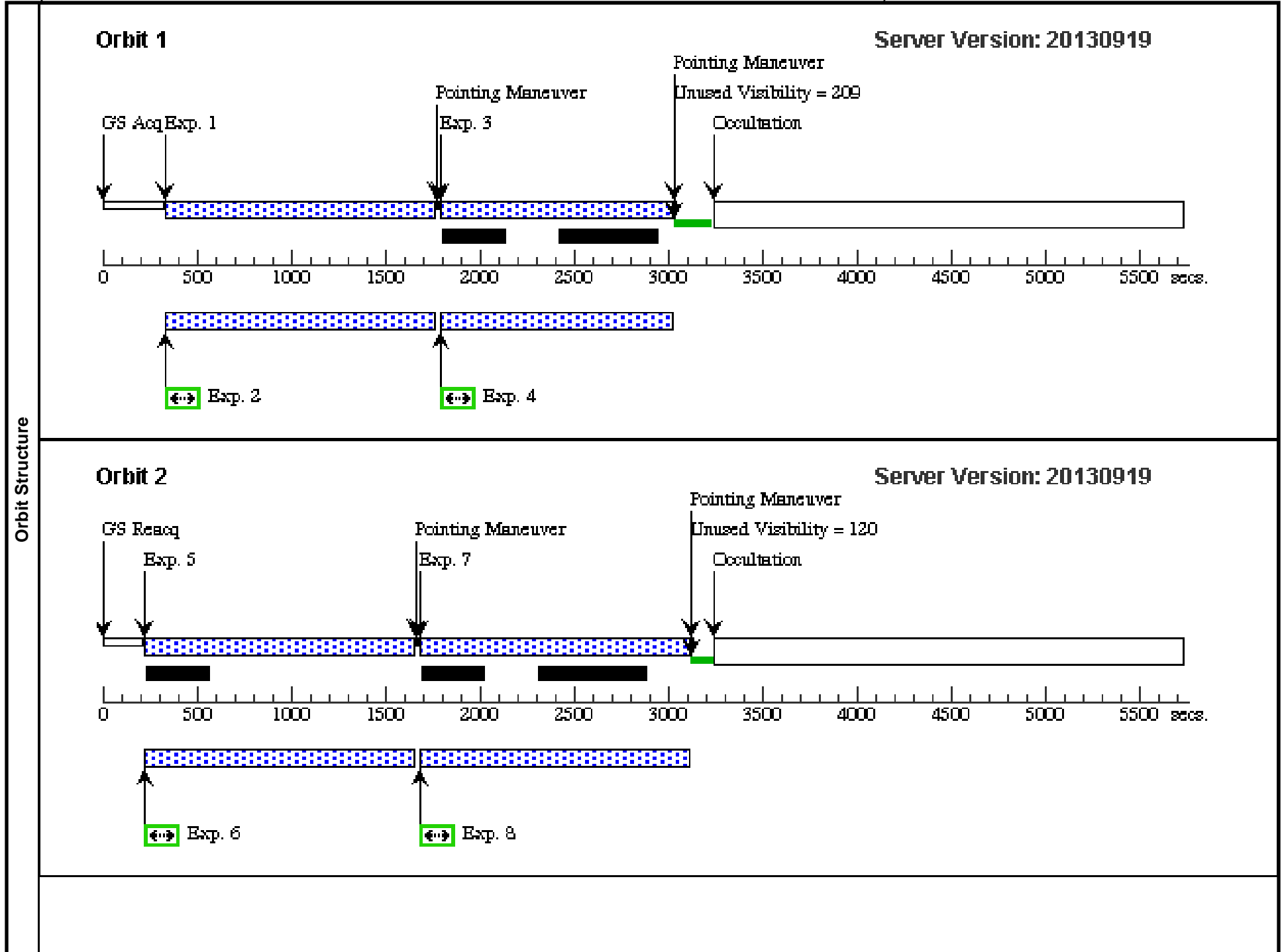


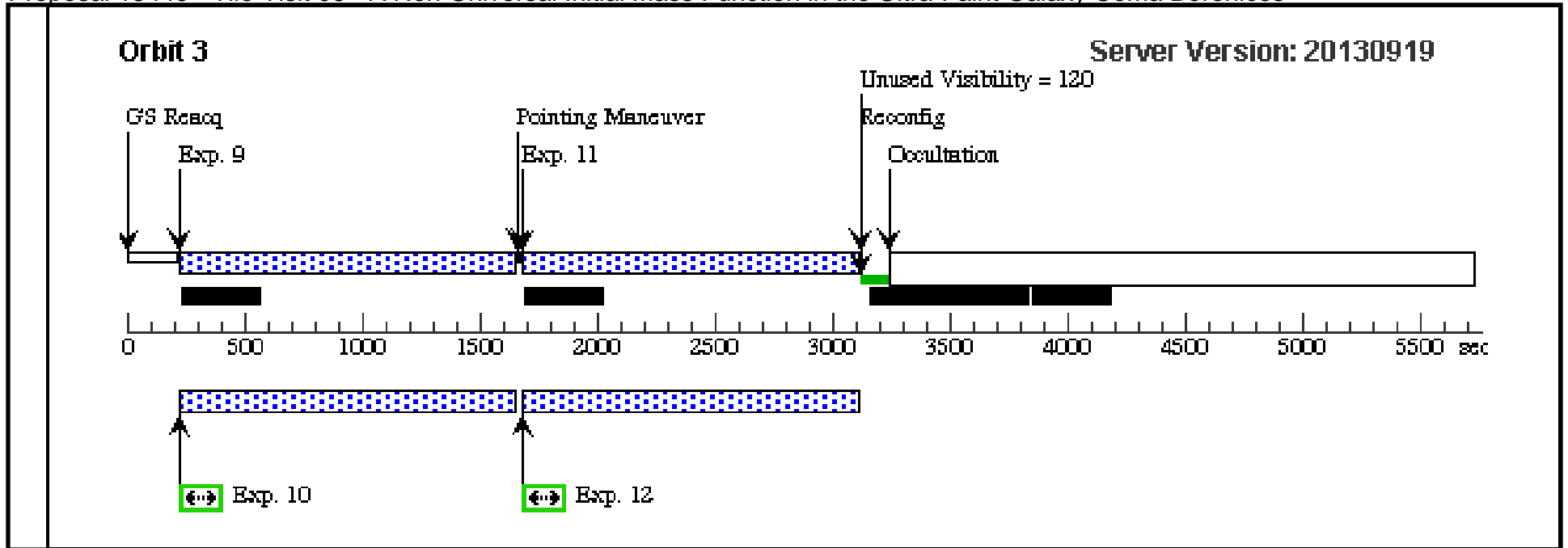


Proposal 13449 - Tile Visit 06 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:43 GMT 2013

Fixed Targets	Visit									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	Proposal 13449, Tile Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SAME ORIENT AS 01									
	(1)	COMA-BERENICES-1	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence turnoff	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 68.1278 8499999999,-60.387 59999999996; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 06	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Tile Visit 06	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP2 00	POS TARG 68.6698 85,-60.20599999999 996	Prime + Parallel Group 3-4 in Tile Visit 06	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Tile Visit 06	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 68.4665 85,-59.90319999999 996	Prime + Parallel Group 5-6 in Tile Visit 06	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Tile Visit 06	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 67.9248 8499999999,-60.066 69999999996	Prime + Parallel Group 7-8 in Tile Visit 06	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Tile Visit 06	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 66.4008 8499999999,-58.541 59999999996	Prime + Parallel Group 9-10 in Tile Visit 06	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Tile Visit 06	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP2 00	POS TARG 66.6038 8499999999,-58.661 99999999996	Prime + Parallel Group 11-12 in Tile Visit 06	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 11-12 in Tile Visit 06	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

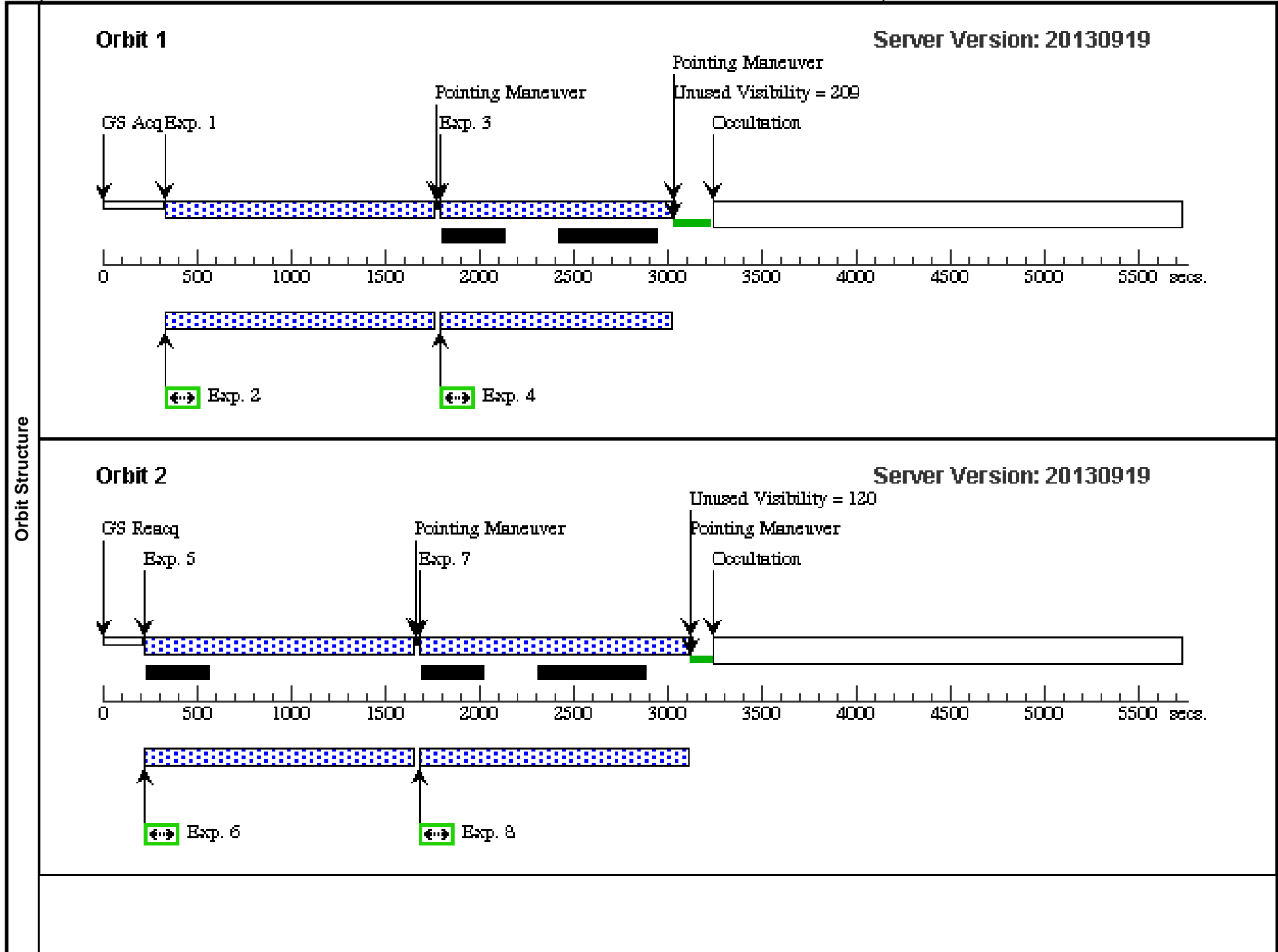


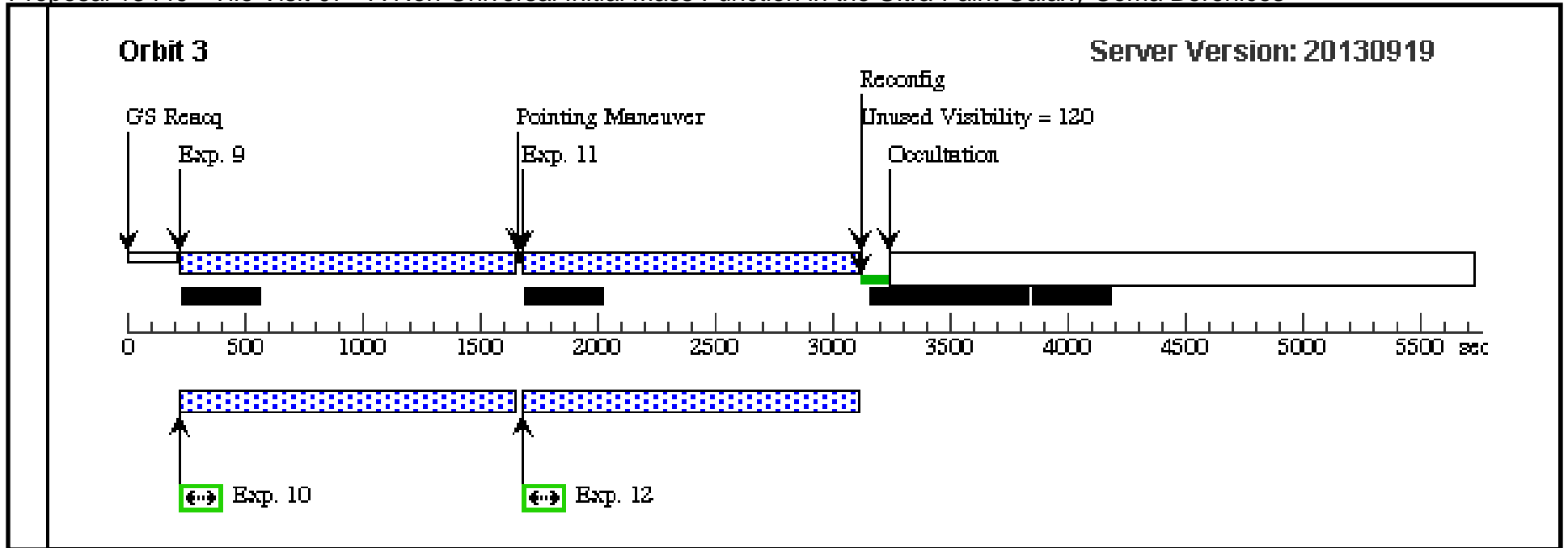


Proposal 13449 - Tile Visit 07 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:45 GMT 2013

Visit	Proposal 13449, Tile Visit 07, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	COMA-BERENICES-1	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence turnoff	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -68.12788499999999,60.38759999999998; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 07	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Tile Visit 07	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG -67.58588499999999,60.56919999999998	Prime + Parallel Group 3-4 in Tile Visit 07	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Tile Visit 07	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -67.78918499999999,60.87199999999998	Prime + Parallel Group 5-6 in Tile Visit 07	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Tile Visit 07	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -68.330885,60.70849999999998	Prime + Parallel Group 7-8 in Tile Visit 07	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Tile Visit 07	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -69.854885,62.23359999999998	Prime + Parallel Group 9-10 in Tile Visit 07	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Tile Visit 07	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -69.651885,62.11319999999998	Prime + Parallel Group 11-12 in Tile Visit 07	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 11-12 in Tile Visit 07	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

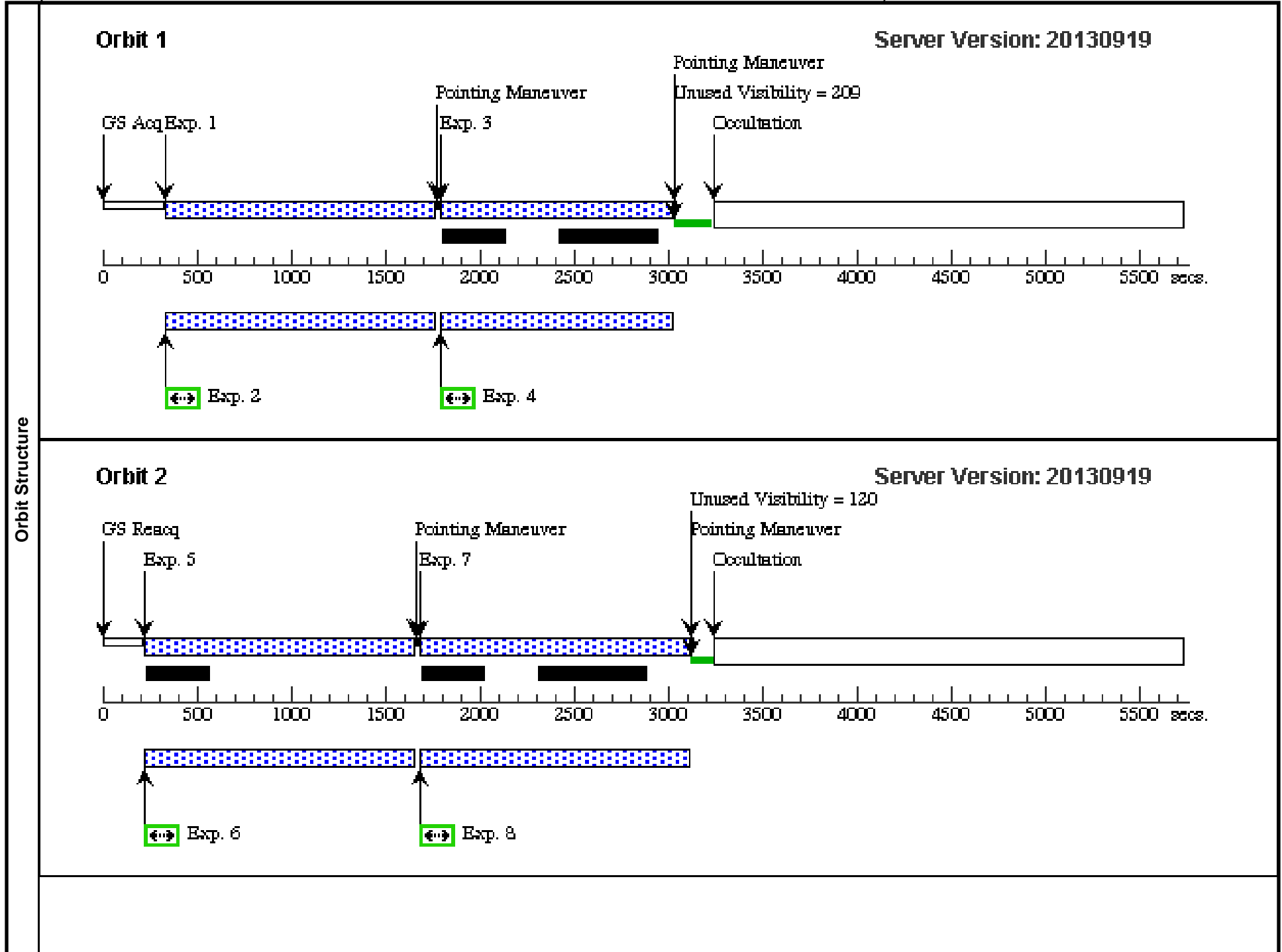


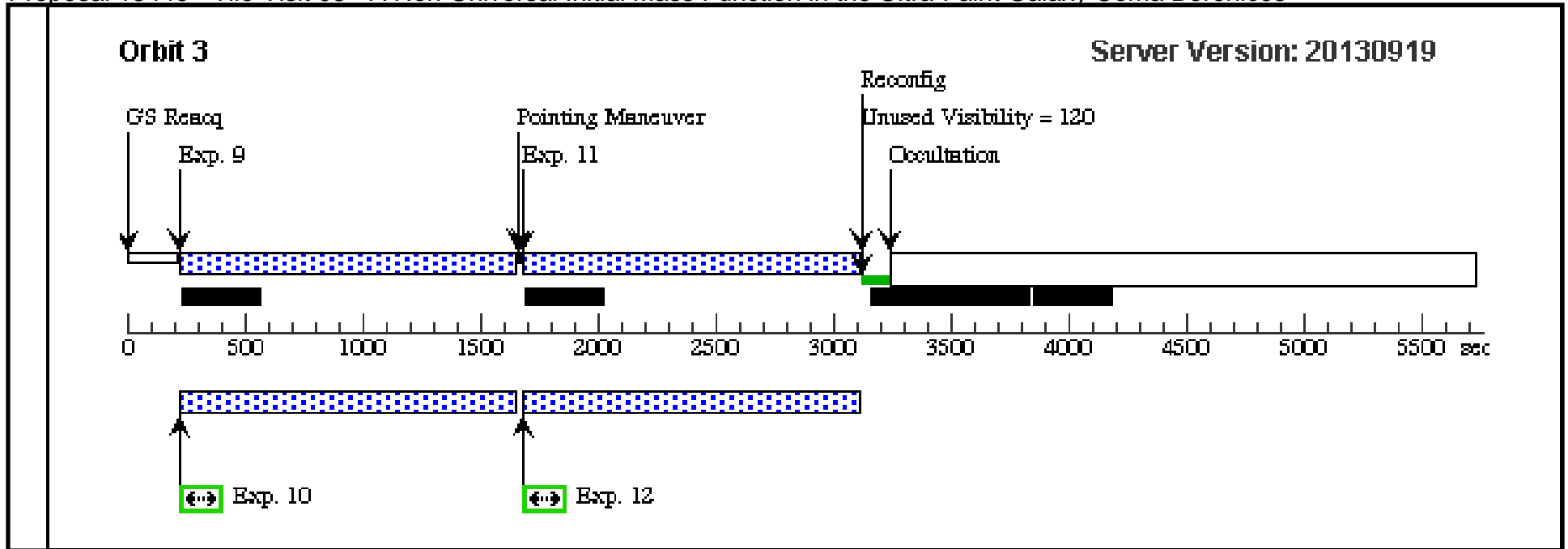


Proposal 13449 - Tile Visit 08 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:46 GMT 2013

Visit	Proposal 13449, Tile Visit 08, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	COMA-BERENICES-1	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence turnoff	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.12784999999999,60.38759999999998; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 08	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Tile Visit 08	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG 68.66985,60.56919999999998	Prime + Parallel Group 3-4 in Tile Visit 08	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Tile Visit 08	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.466585,60.87199999999998	Prime + Parallel Group 5-6 in Tile Visit 08	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Tile Visit 08	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 67.92488499999999,60.70849999999998	Prime + Parallel Group 7-8 in Tile Visit 08	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Tile Visit 08	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.40088499999999,62.23359999999998	Prime + Parallel Group 9-10 in Tile Visit 08	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Tile Visit 08	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(1) COMA-BERENICES-1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.60388499999999,62.11319999999998	Prime + Parallel Group 11-12 in Tile Visit 08	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 11-12 in Tile Visit 08	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

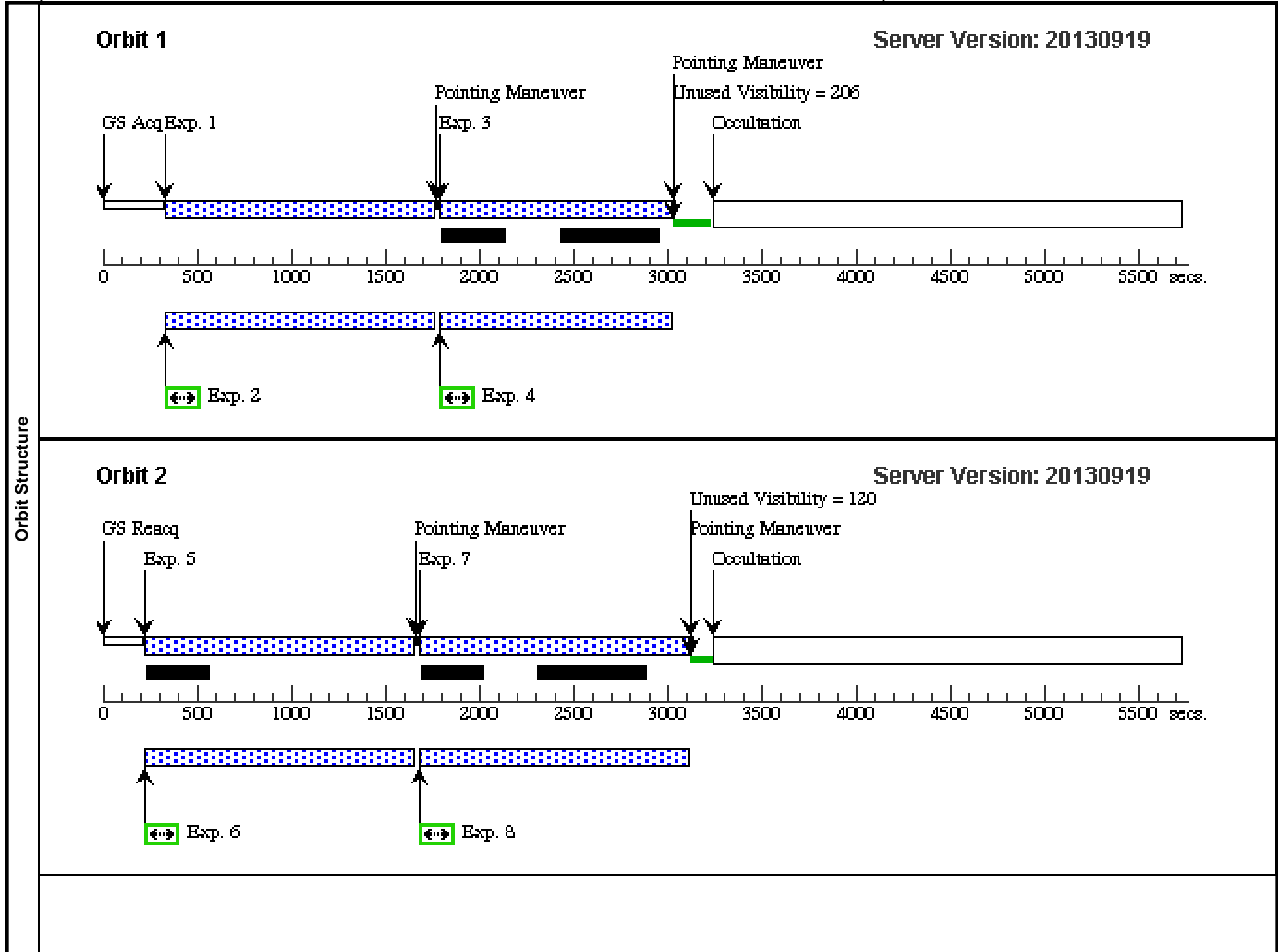


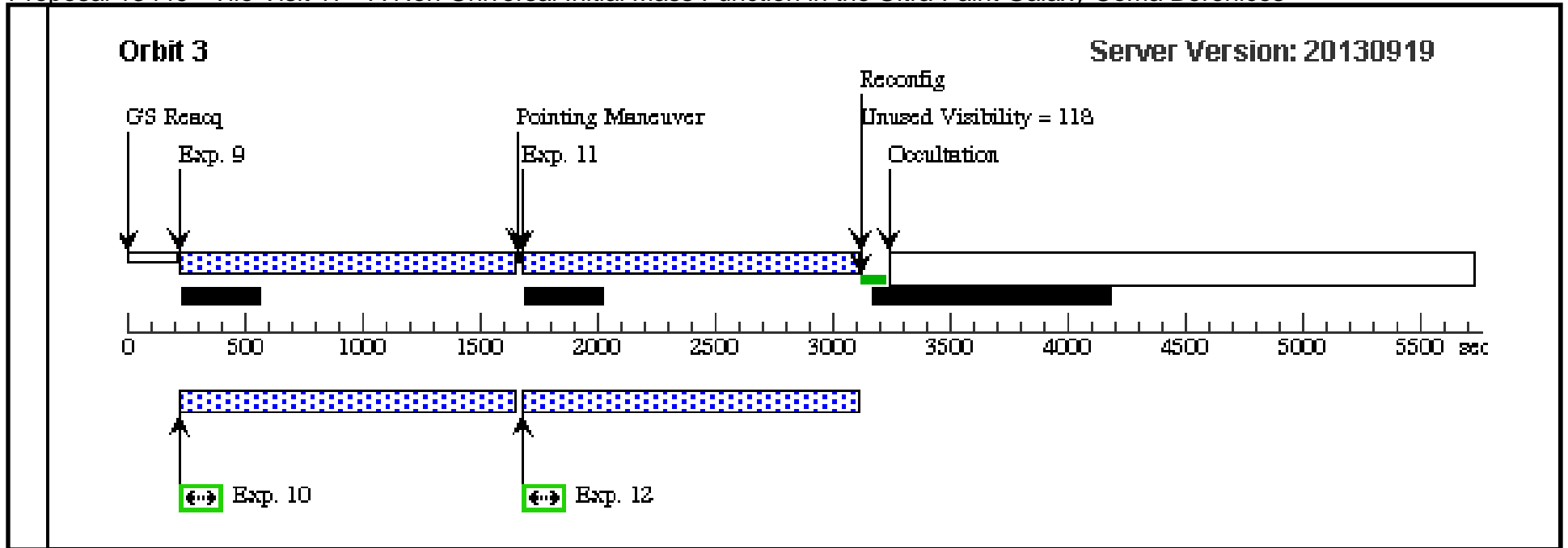


Proposal 13449 - Tile Visit 17 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:47 GMT 2013

Visit	Proposal 13449, Tile Visit 17, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	COMA-BERENICES-2	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence stars	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -69.34738499999999,-58.401599999999966; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 17	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in Tile Visit 17	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG -67.82308499999999,-60.12729999999996	Prime + Parallel Group 3-4 in Tile Visit 17	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in Tile Visit 17	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -67.28108499999999,-59.94559999999996	Prime + Parallel Group 5-6 in Tile Visit 17	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 17	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -67.48488499999999,-59.64289999999996	Prime + Parallel Group 7-8 in Tile Visit 17	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 17	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -68.02628499999999,-59.80639999999996	Prime + Parallel Group 9-10 in Tile Visit 17	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-10 in Tile Visit 17	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -69.54988499999999,-58.280599999999964	Prime + Parallel Group 11-12 in Tile Visit 17	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 11-12 in Tile Visit 17	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

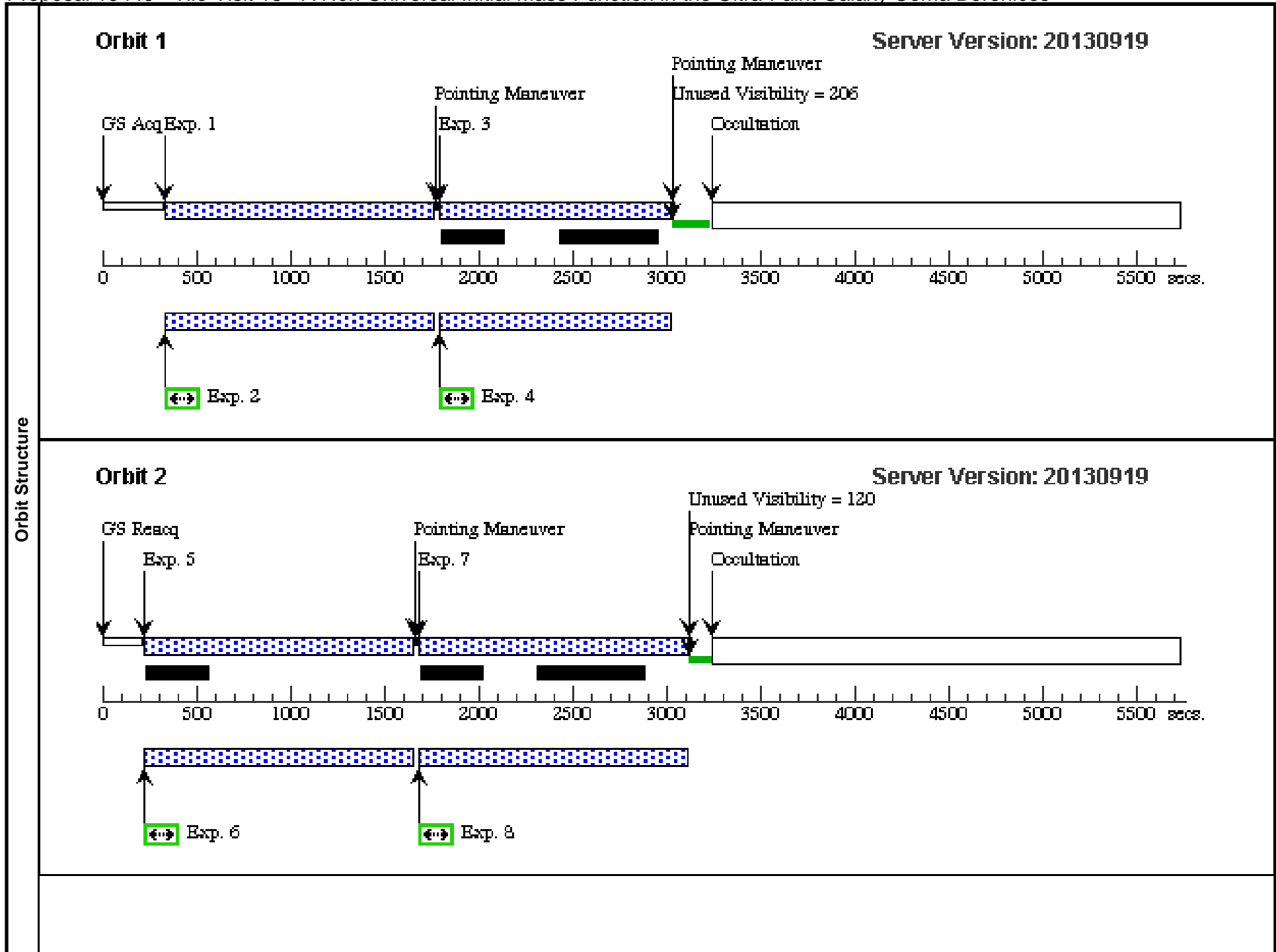


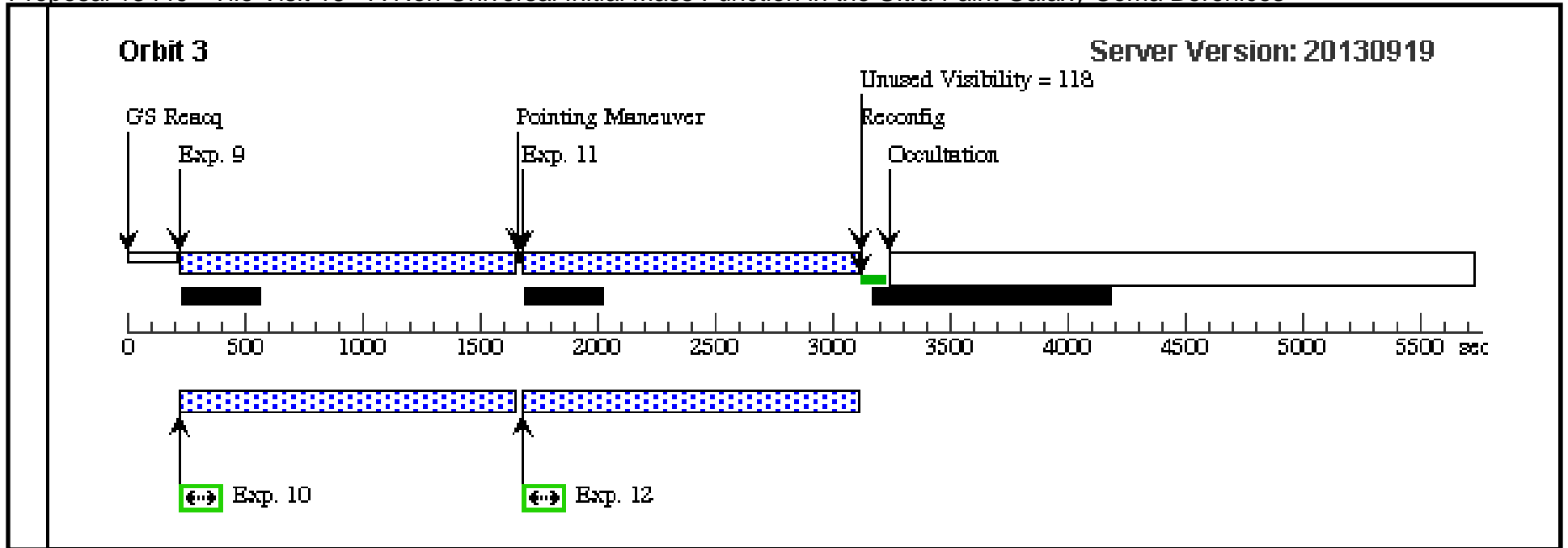


Proposal 13449 - Tile Visit 18 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:48 GMT 2013

Visit	Proposal 13449, Tile Visit 18, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(2)	COMA-BERENICES-2	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence stars	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.908385,-58.401599999999966; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 18	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in Tile Visit 18	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG 68.432684999999999,-60.127299999999996	Prime + Parallel Group 3-4 in Tile Visit 18	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in Tile Visit 18	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.974685,-59.945599999999996	Prime + Parallel Group 5-6 in Tile Visit 18	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 18	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.770884999999999,-59.642899999999996	Prime + Parallel Group 7-8 in Tile Visit 18	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 18	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.229485,-59.806399999999996	Prime + Parallel Group 9-10 in Tile Visit 18	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-10 in Tile Visit 18	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.705885,-58.280599999999996	Prime + Parallel Group 11-12 in Tile Visit 18	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 11-12 in Tile Visit 18	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

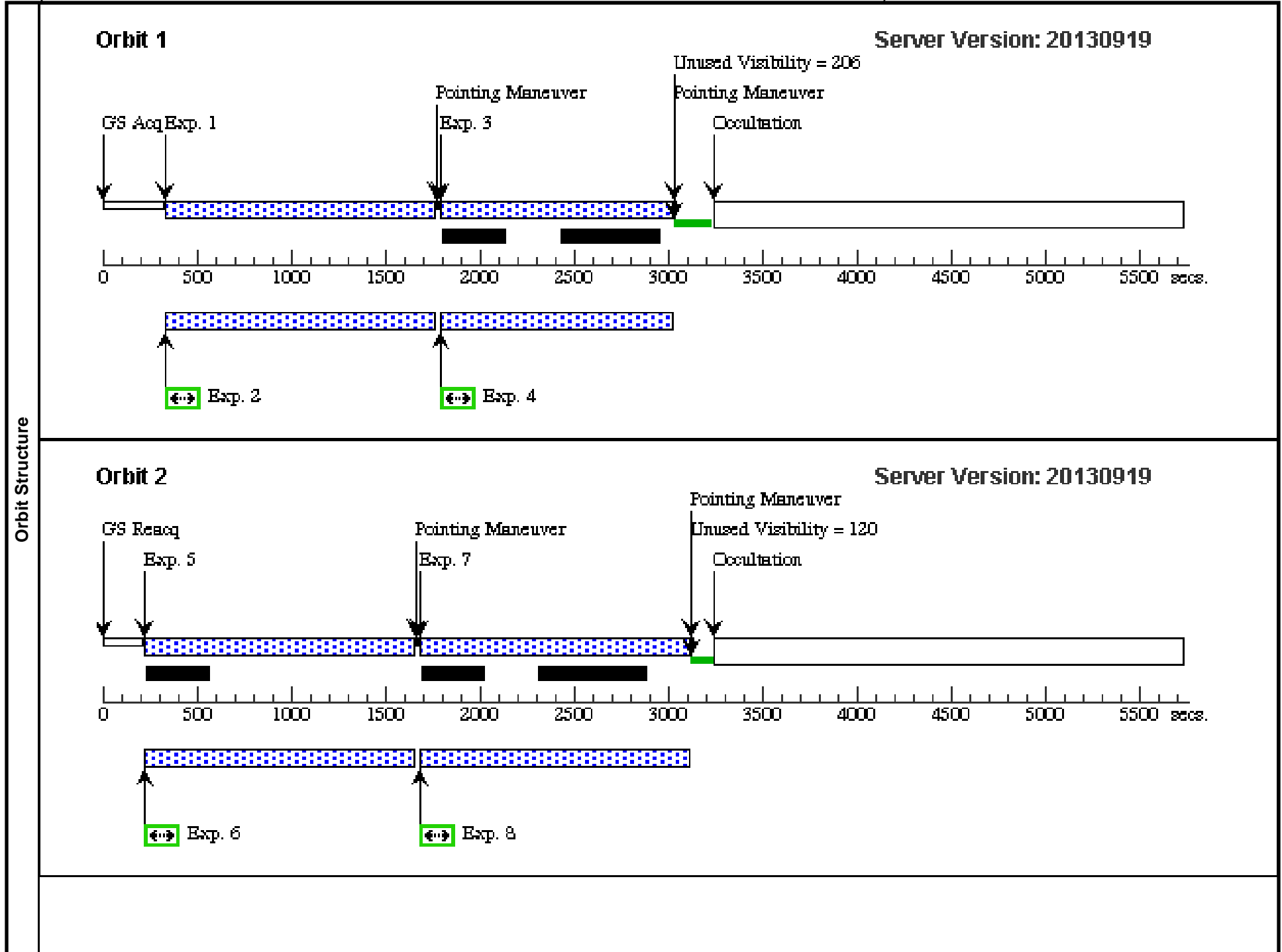


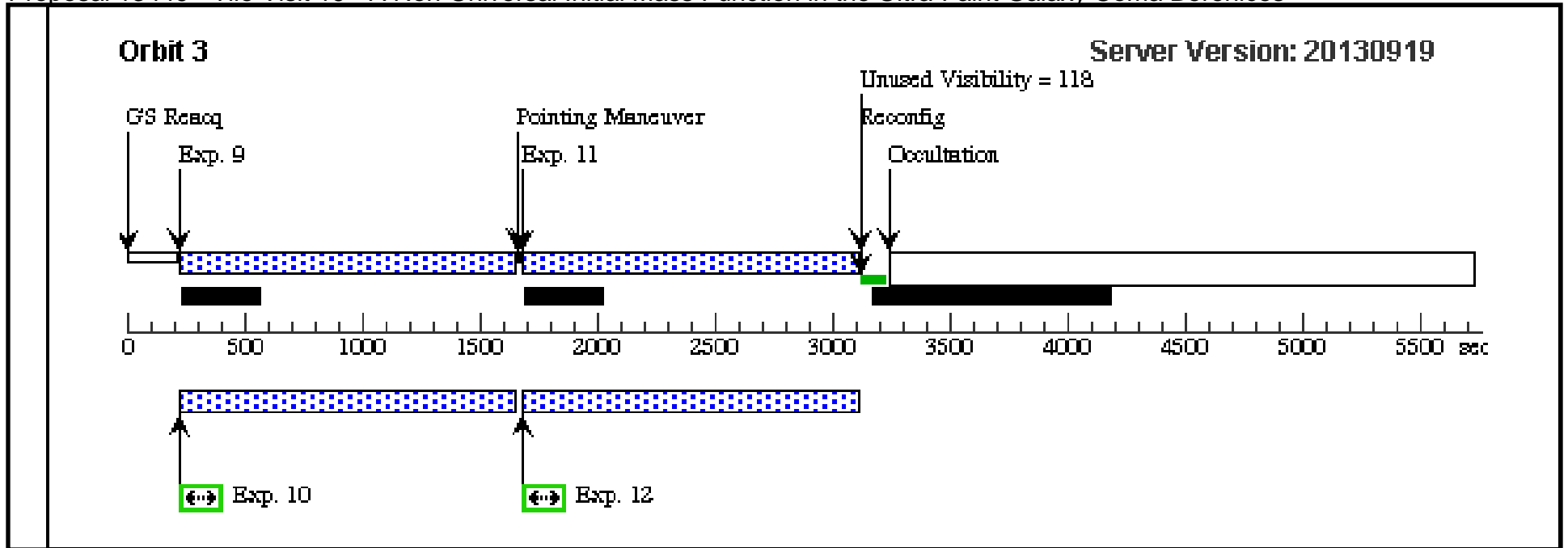


Proposal 13449 - Tile Visit 19 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:49 GMT 2013

Visit	Proposal 13449, Tile Visit 19, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(2)	COMA-BERENICES-2	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence stars	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -69.34738499999999,62.373599999999975; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 19	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in Tile Visit 19	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG -67.82308499999999,60.647899999999998	Prime + Parallel Group 3-4 in Tile Visit 19	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in Tile Visit 19	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -67.28108499999999,60.829599999999998	Prime + Parallel Group 5-6 in Tile Visit 19	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 19	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -67.48488499999999,61.132299999999998	Prime + Parallel Group 7-8 in Tile Visit 19	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 19	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -68.02628499999999,60.968799999999998	Prime + Parallel Group 9-10 in Tile Visit 19	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-10 in Tile Visit 19	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -69.54988499999999,62.494599999999998	Prime + Parallel Group 11-12 in Tile Visit 19	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 11-12 in Tile Visit 19	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

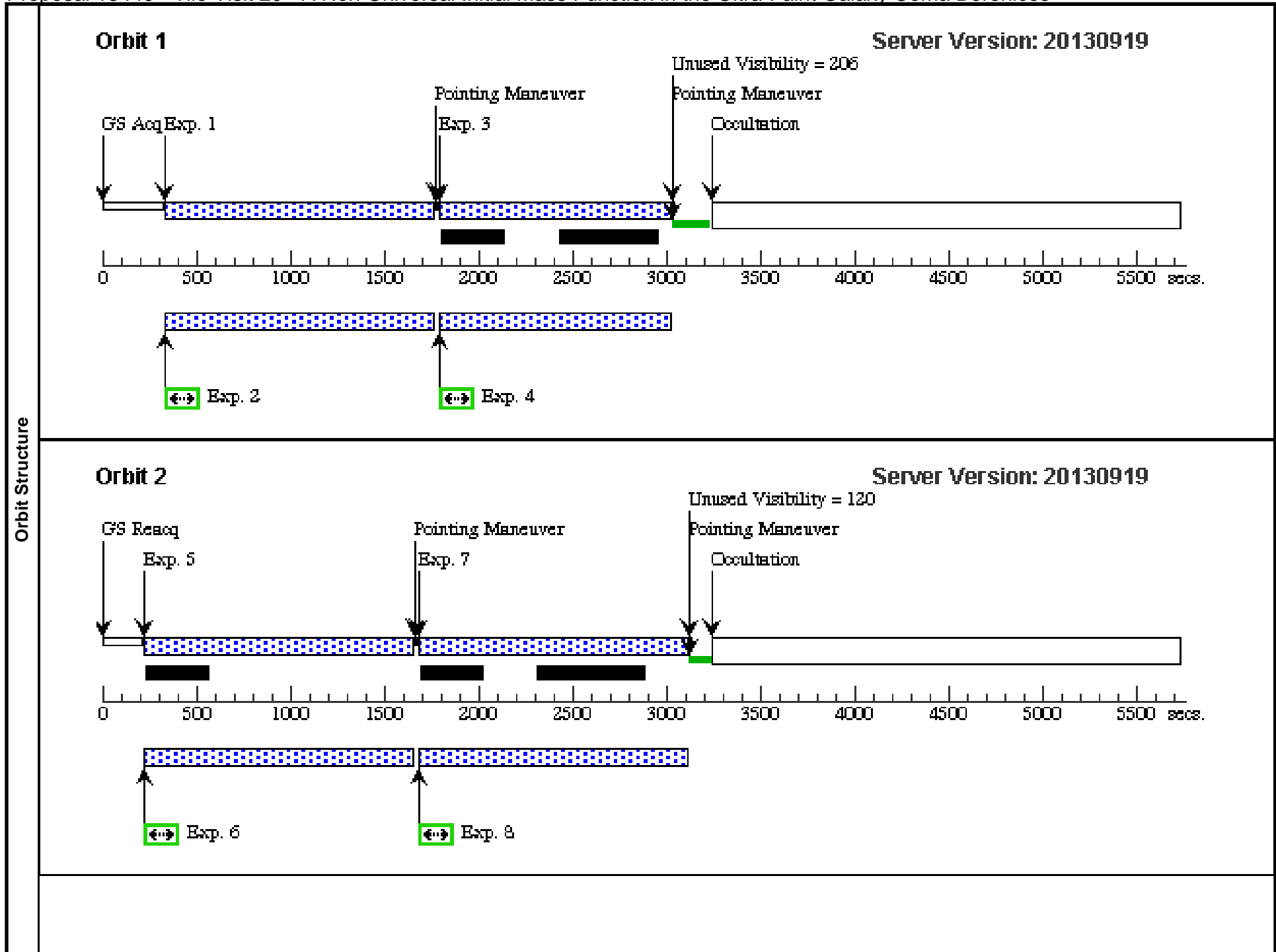


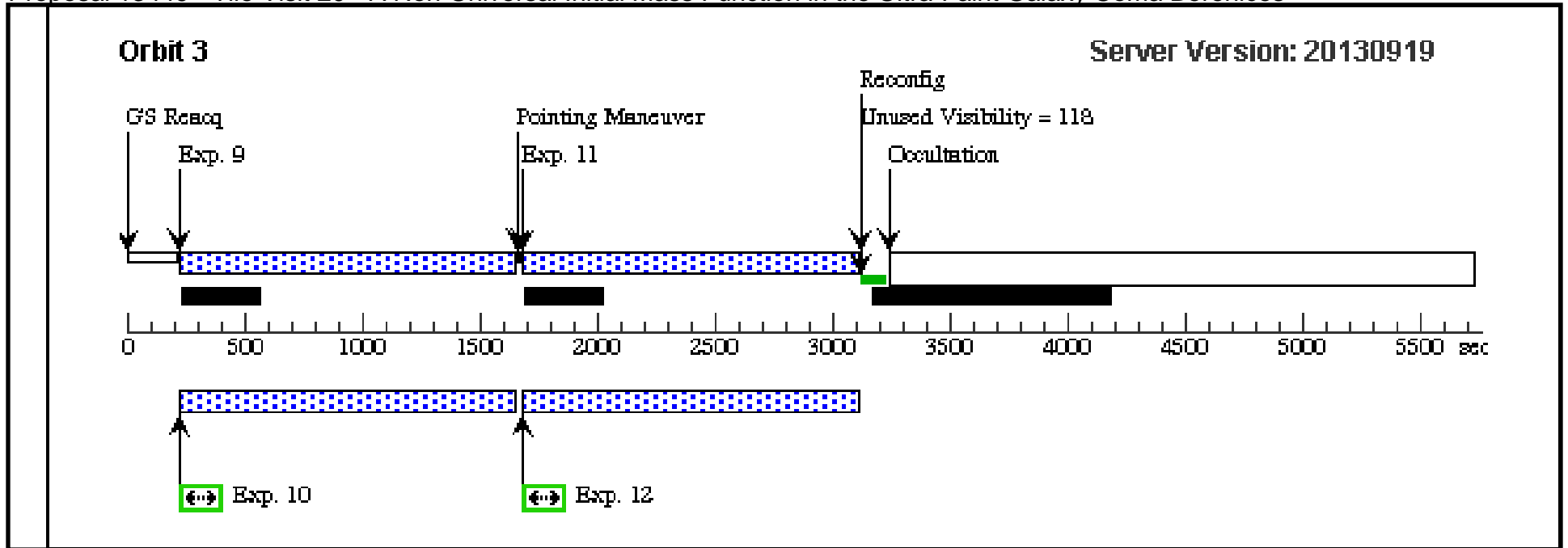


Proposal 13449 - Tile Visit 20 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:51 GMT 2013

Visit	Proposal 13449, Tile Visit 20, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(2)	COMA-BERENICES-2	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence stars	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.9083 85.62.3735999999999975; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 20	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 1-2 in Tile Visit 20	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG 68.4326 8499999999.60.6478 9999999998	Prime + Parallel Group 3-4 in Tile Visit 20	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 3-4 in Tile Visit 20	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.9746 85.60.829599999999998	Prime + Parallel Group 5-6 in Tile Visit 20	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 20	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	7		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.7708 8499999999.61.1322 9999999998	Prime + Parallel Group 7-8 in Tile Visit 20	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 20	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]
	9		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 68.2294 85.60.968799999999998	Prime + Parallel Group 9-10 in Tile Visit 20	1399.231402 Secs (1399.231 Secs) [==>]	[3]
	10		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 9-10 in Tile Visit 20	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]
	11		(2) COMA-BERENICES-2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.7058 85.62.494599999999998	Prime + Parallel Group 11-12 in Tile Visit 20	1399.231402 Secs (1399.231 Secs) [==>]	[3]
12		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 11-12 in Tile Visit 20	1000 Secs (1303 Secs) [==>1303.0 Secs]	[3]	

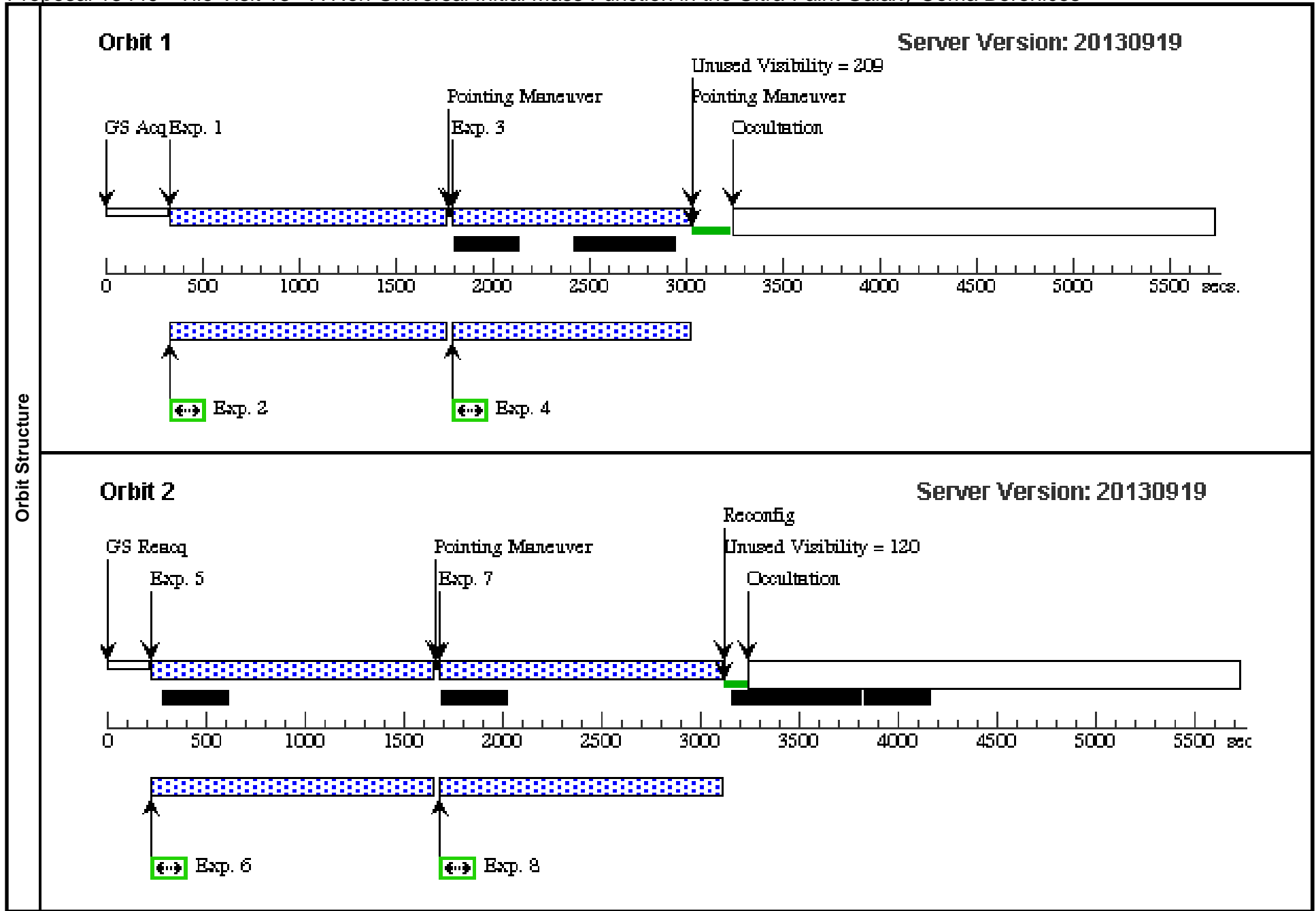




Proposal 13449 - Tile Visit 13 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:52 GMT 2013

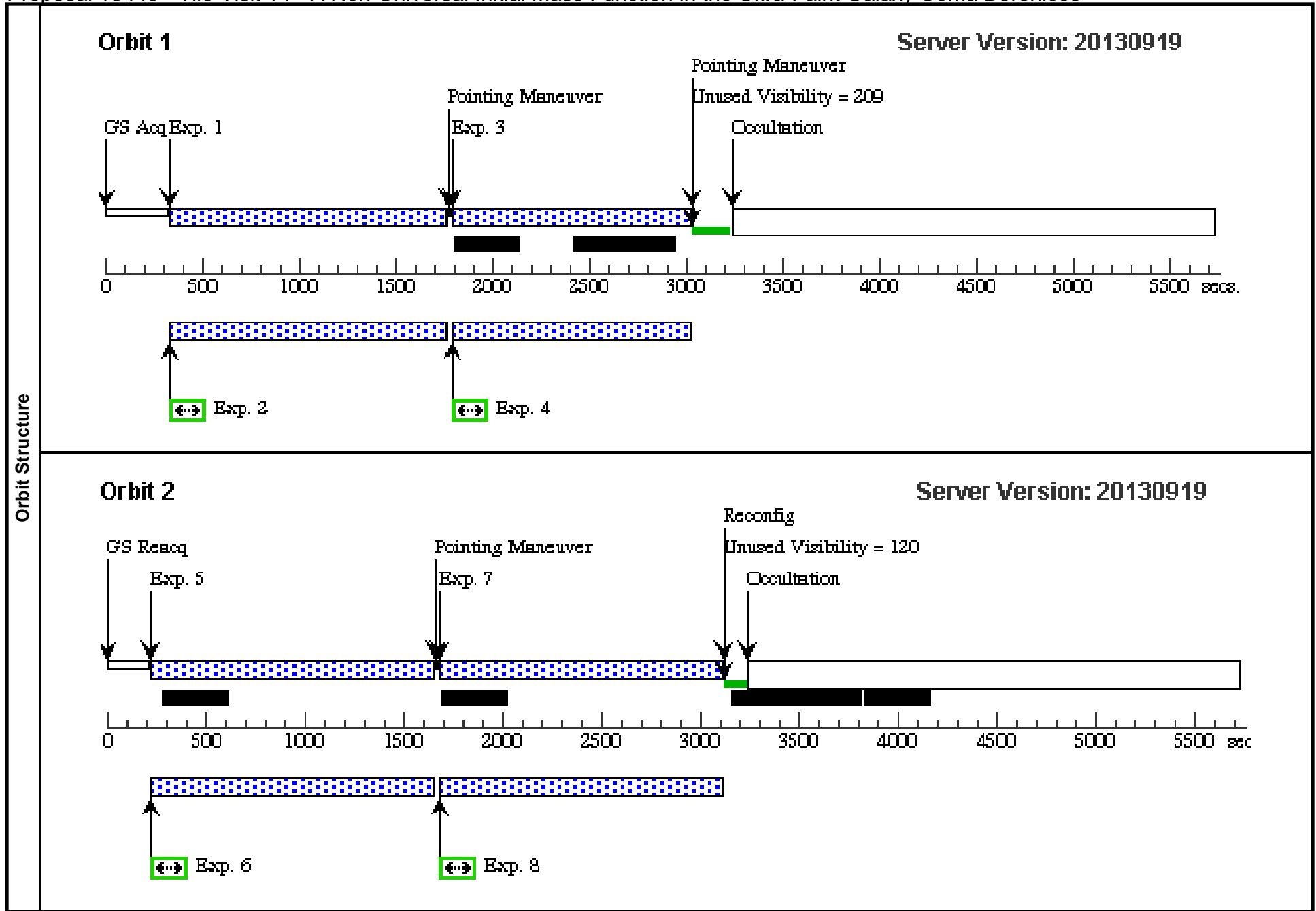
Visit	Proposal 13449, Tile Visit 13, implementation									
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/IR, ACS/WFC										
Special Requirements: SAME ORIENT AS 01										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(3)	COMA-BERENICES-3	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence stars	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -70.132 88499999999,-58.70 4599999999964; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 13	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Tile Visit 13	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG -69.766 88499999999,-58.95 259999999996	Prime + Parallel Group 3-4 in Tile Visit 13	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Tile Visit 13	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -70.132 88499999999,-58.74 859999999996	Prime + Parallel Group 5-6 in Tile Visit 13	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 13	1000 Secs (1248 Secs) [==>1248.0 Secs]	[2]
	7		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -69.766 88499999999,-58.95 259999999996	Prime + Parallel Group 7-8 in Tile Visit 13	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 13	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]



Proposal 13449 - Tile Visit 14 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:53 GMT 2013

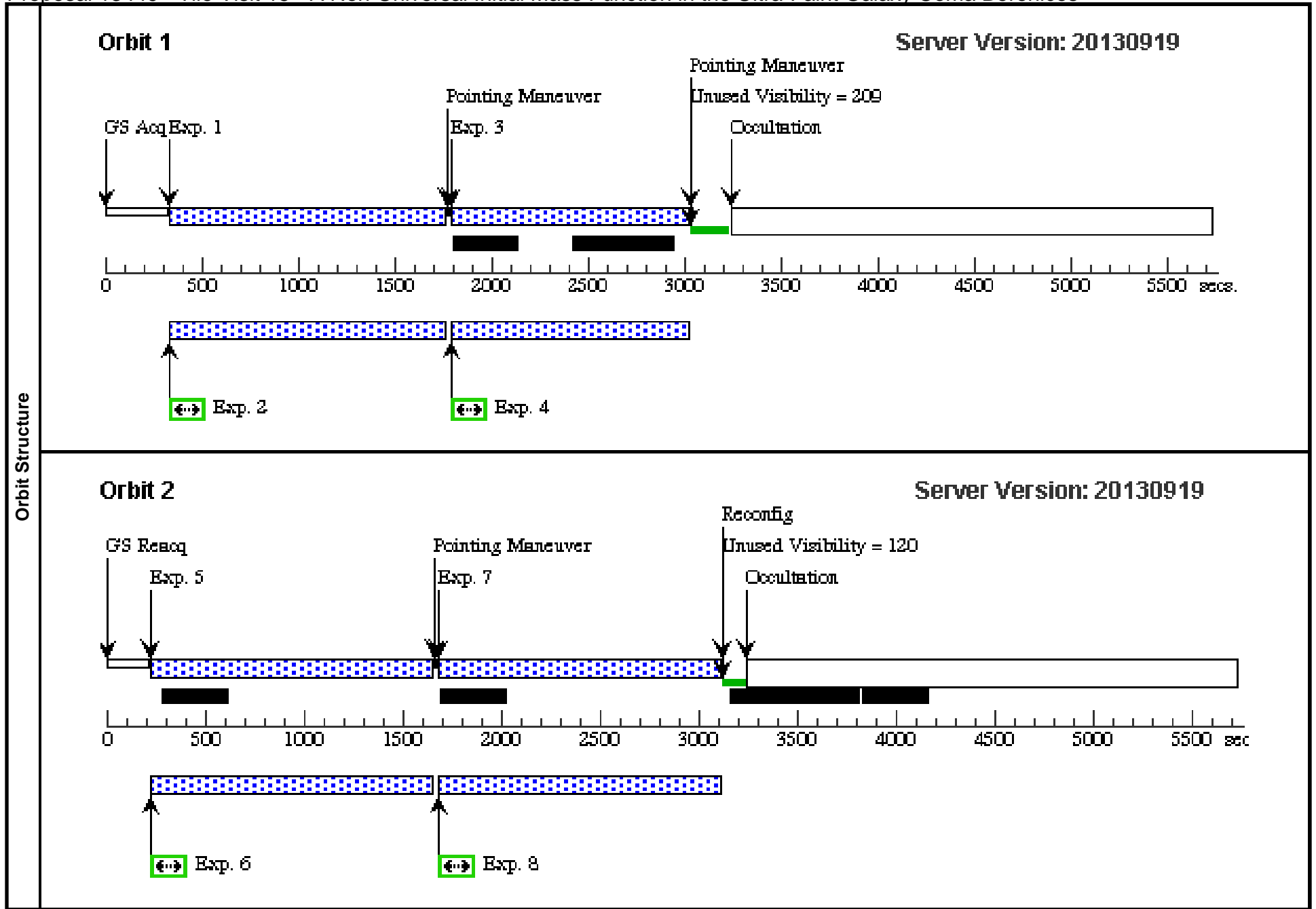
Visit	Proposal 13449, Tile Visit 14, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	COMA-BERENICES-3	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence stars	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.122885,-58.704599999999964; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 14	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Tile Visit 14	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG 66.488885,-58.952599999999996	Prime + Parallel Group 3-4 in Tile Visit 14	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Tile Visit 14	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.122885,-58.748599999999996	Prime + Parallel Group 5-6 in Tile Visit 14	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 14	1000 Secs (1248 Secs) [==>1248.0 Secs]	[2]
	7		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.488885,-58.952599999999996	Prime + Parallel Group 7-8 in Tile Visit 14	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 14	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]



Proposal 13449 - Tile Visit 15 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:53 GMT 2013

Visit	Proposal 13449, Tile Visit 15, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	COMA-BERENICES-3	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence stars	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -70.132 8849999999,62.070 59999999998; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 15	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Tile Visit 15	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG -69.766 8849999999,61.822 59999999998	Prime + Parallel Group 3-4 in Tile Visit 15	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Tile Visit 15	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -70.132 8849999999,62.026 59999999998	Prime + Parallel Group 5-6 in Tile Visit 15	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 15	1000 Secs (1248 Secs) [==>1248.0 Secs]	[2]
	7		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG -69.766 8849999999,61.822 59999999998	Prime + Parallel Group 7-8 in Tile Visit 15	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 15	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]



Proposal 13449 - Tile Visit 16 - A Non-Universal Initial Mass Function in the Ultra-Faint Galaxy Coma Berenices

Fri Oct 25 01:34:54 GMT 2013

Visit	Proposal 13449, Tile Visit 16, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	COMA-BERENICES-3	RA: 12 26 57.0000 (186.7375000d) Dec: +23 55 9.00 (23.91917d) Equinox: J2000		V=14.5+/-0.5 main sequence stars	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.1228 85.62.070599999999 GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Tile Visit 16	1399.231402 Secs (1399.231 Secs) [==>]	[1]
	2	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Tile Visit 16	1000 Secs (1221 Secs) [==>1221.0 Secs]	[1]
	3		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=STEP200	POS TARG 66.4888 85.61.822599999999	Prime + Parallel Group 3-4 in Tile Visit 16	1199.231335 Secs (1199.231 Secs) [==>]	[1]
	4	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Tile Visit 16	1000 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	5		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.1228 85.62.026599999999	Prime + Parallel Group 5-6 in Tile Visit 16	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	6	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 5-6 in Tile Visit 16	1000 Secs (1248 Secs) [==>1248.0 Secs]	[2]
	7		(3) COMA-BERENICES-3	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP200	POS TARG 66.4888 85.61.822599999999	Prime + Parallel Group 7-8 in Tile Visit 16	1399.231402 Secs (1399.231 Secs) [==>]	[2]
	8	ANY		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-8 in Tile Visit 16	1000 Secs (1303 Secs) [==>1303.0 Secs]	[2]

