



10922 - Searching for Signs of a Double Generation of Stars in Galactic Globular Clusters

Cycle: 15, 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>
11	(4) NGC-2808-GO9899	ACS/WFC	1	21-May-2007 21:32:45.0	yes
12	(4) NGC-2808-GO9899	ACS/WFC	1	21-May-2007 21:32:56.0	yes
13	(6) MESSIER-054-WFPC2	WFPC2	3	21-May-2007 21:33:06.0	yes
14	(6) MESSIER-054-WFPC2	WFPC2	3	21-May-2007 21:33:16.0	yes
15	(6) MESSIER-054-WFPC2	WFPC2	3	21-May-2007 21:33:26.0	yes

11 Total Orbits Used

ABSTRACT

This proposal has been stimulated by new findings of ours that may have a strong impact on the interpretation of globular cluster (GC) stellar populations. In 2004, based on HST data, we have found that the main sequence of the Galactic globular cluster Omega Centauri is split into two sequences; spectroscopic analysis has shown that the only isochrones which are able to fit the combination of color and metallicity of the bluest of the two sequences were younger and greatly enriched in helium. A number of observational facts, and theoretical evidence suggest that our results on Omega Centauri might represent an extreme case of a phenomenon which has also been at work in other GCs. We have selected the most promising GCs to find out whether this hypothesis is correct, and make a strong case for its likelihood and the value of pursuing it.

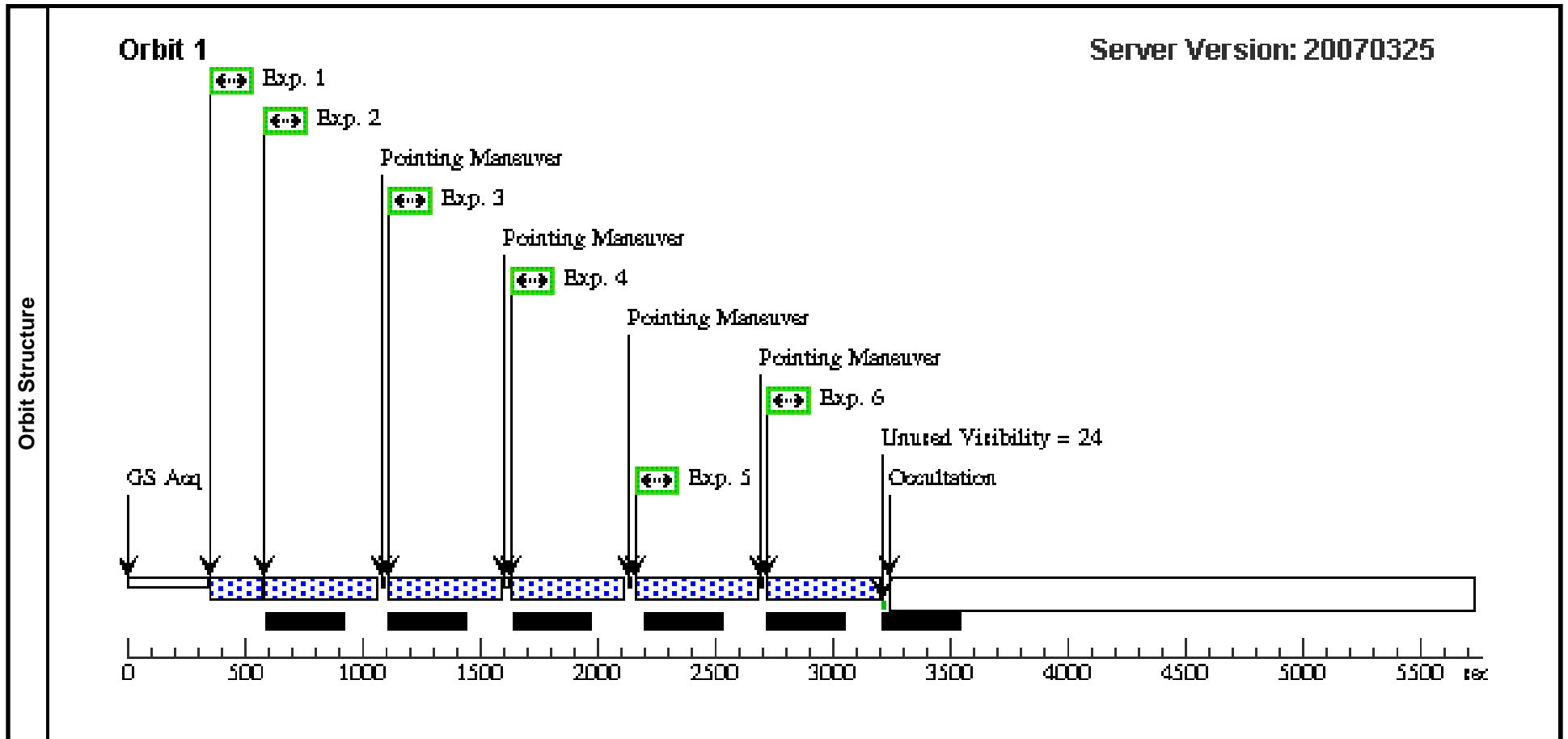
OBSERVING DESCRIPTION

We intend to measure the main sequence (MS) of these two clusters with the highest possible photometric and astrometric precision, pushing HST to its photometric and astrometric limits (imaging-wise). High-precision photometry is needed to investigate any possible split in the MS due to multiple populations. High-precision astrometry is needed to measure proper motions (using archival data as a first epoch) with the aim of cleaning the CMDs from field stars. Following Anderson and King (ACS/ISR-2006-01), in order minimize photometric errors (due to imperfect modeling of the PSF and the detector's charge-diffusion variations, CTE, etc...), we plan to take the observations with as many large dithers and different orientations as possible.

Proposal 10922 - Visit 11 - Searching for Signs of a Double Generation of Stars in Galactic Globular Clusters

Mon May 21 20:33:29 GMT 2007

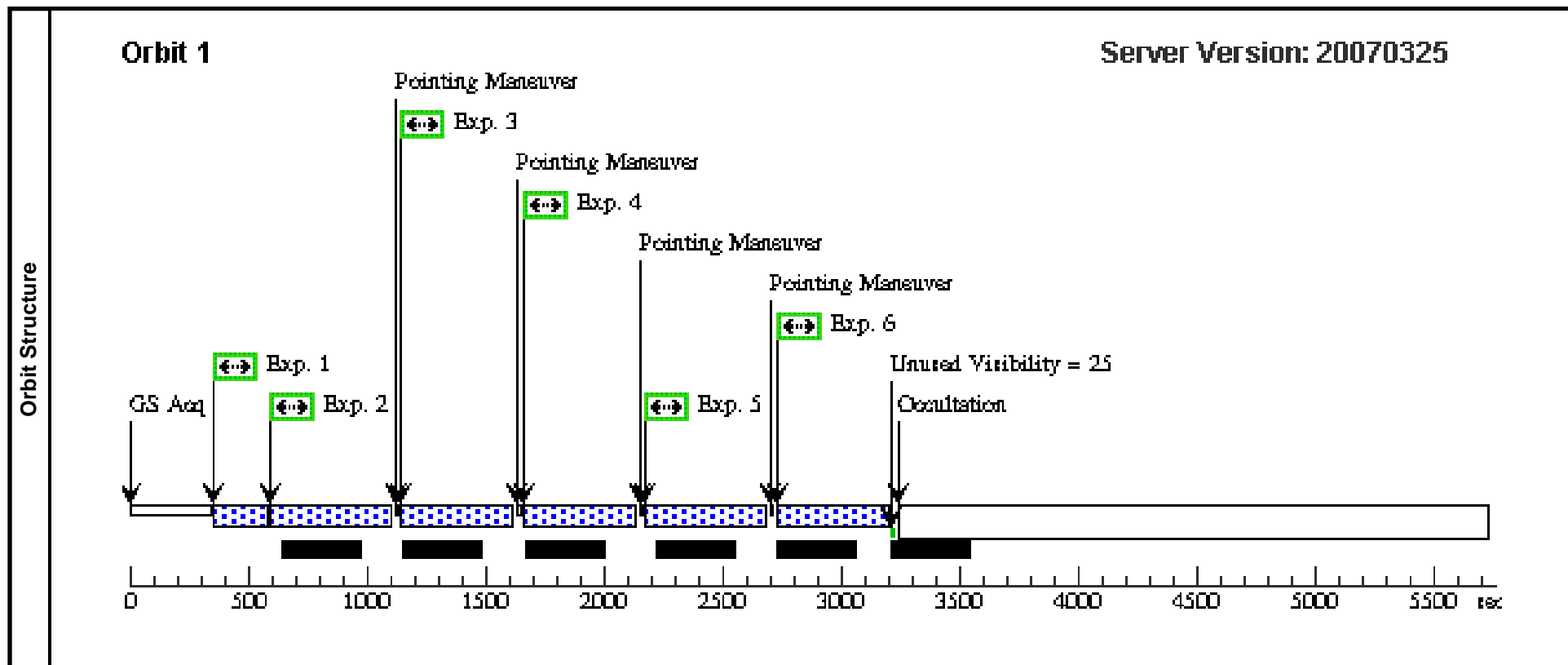
Visit	Proposal 10922, Visit 11, completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 265.0D TO 275.0 D									
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	(4)	NGC-2808-GO9899	RA: 09 11 39.8000 (137.9158333d) Dec: -64 54 12.00 (-64.90333d) Equinox: J2000		V=-9.39+/-0.5	Reference Frame: NED				
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO; GAIN=2	POS TARG 2,-2		10.0 Secs [==>]	[1]
	2		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO; GAIN=2	POS TARG 2,-2		360.0 Secs [==>]	[1]
	3		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO; GAIN=2	POS TARG -2,2		360.0 Secs [==>]	[1]
	4		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO; GAIN=2	POS TARG 6,-6		360.0 Secs [==>]	[1]
	5		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F475W	CR-SPLIT=NO; GAIN=2	POS TARG 2,-2		360.0 Secs [==>]	[1]
	6		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F475W	CR-SPLIT=NO; GAIN=2	POS TARG -2,2		360.0 Secs [==>]	[1]



Proposal 10922 - Visit 12 - Searching for Signs of a Double Generation of Stars in Galactic Globular Clusters

Mon May 21 20:33:30 GMT 2007

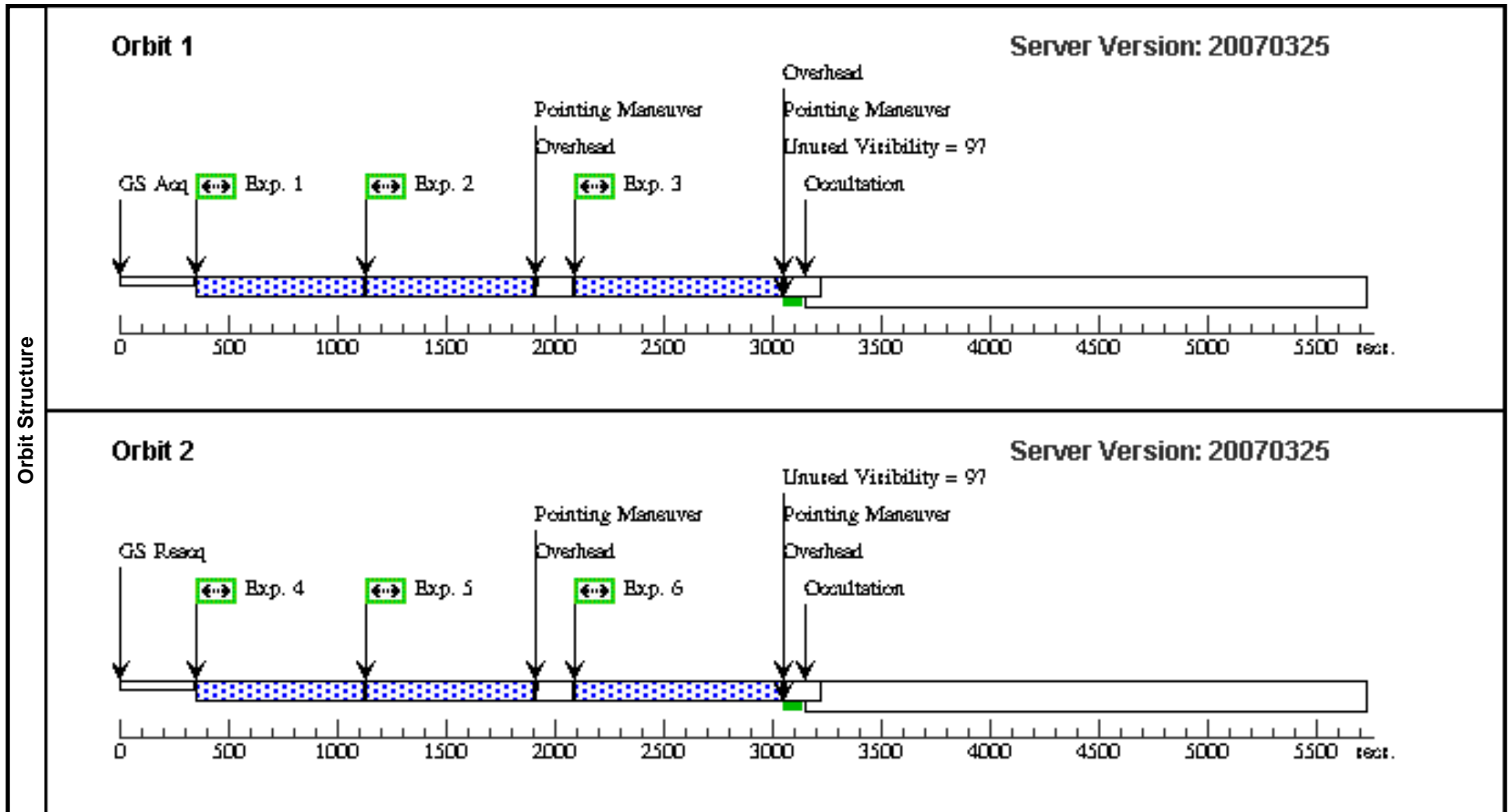
Visit	Proposal 10922, Visit 12, completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 175.0D TO 185.0 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	NGC-2808-GO9899	RA: 09 11 39.8000 (137.9158333d) Dec: -64 54 12.00 (-64.90333d) Equinox: J2000		V=-9.39+/-0.5	Reference Frame: NED				
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F475W	CR-SPLIT=NO; GAIN=2	POS TARG 2,-2		20.0 Secs [==>]	[1]
	2		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO; GAIN=2	POS TARG 2,-2		350.0 Secs [==>]	[1]
	3		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO; GAIN=2	POS TARG -2,2		350.0 Secs [==>]	[1]
	4		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO; GAIN=2	POS TARG 6,-6		350.0 Secs [==>]	[1]
	5		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F475W	CR-SPLIT=NO; GAIN=2	POS TARG 2,-2		350.0 Secs [==>]	[1]
	6		(4) NGC-2808-GO9899	ACS/WFC, ACCUM, WFCENTER	F475W	CR-SPLIT=NO; GAIN=2	POS TARG -2,2		350.0 Secs [==>]	[1]

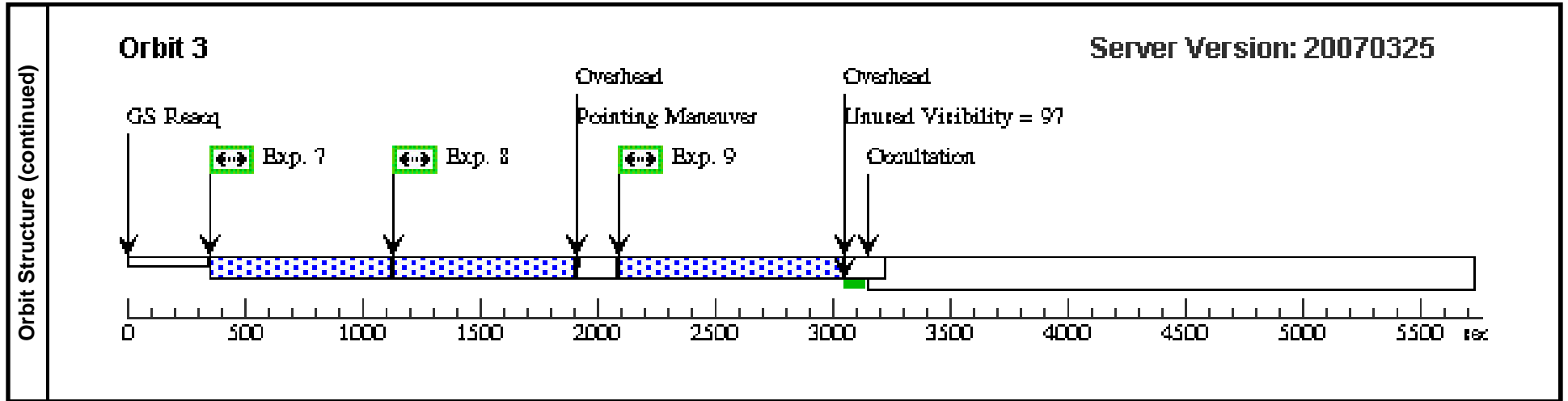


Proposal 10922 - Visit 13 - Searching for Signs of a Double Generation of Stars in Galactic Globular Clusters

Mon May 21 20:33:31 GMT 2007

Visit	Proposal 10922, Visit 13 Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 274.0D TO 284.0 D																																																																																																													
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(6)</td> <td>MESSIER-054-WFPC2</td> <td>RA: 18 55 12.0000 (283.8000000d) Dec: -30 29 0.00 (-30.48333d) Equinox: J2000</td> <td></td> <td>V=-10.01+/-0.5</td> <td>Reference Frame: NED</td> </tr> <tr> <td colspan="6"><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i></td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	MESSIER-054-WFPC2	RA: 18 55 12.0000 (283.8000000d) Dec: -30 29 0.00 (-30.48333d) Equinox: J2000		V=-10.01+/-0.5	Reference Frame: NED	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>																																																																																						
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(6)	MESSIER-054-WFPC2	RA: 18 55 12.0000 (283.8000000d) Dec: -30 29 0.00 (-30.48333d) Equinox: J2000		V=-10.01+/-0.5	Reference Frame: NED																																																																																																									
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Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F814W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG -0.6,-1.3</td> <td></td> <td>500.0 Secs [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F450W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG -0.6,-1.3</td> <td></td> <td>700.0 Secs [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F450W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG -0.75,-0.65</td> <td></td> <td>800.0 Secs [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F814W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG 0.2333,-1</td> <td></td> <td>500.0 Secs [==>]</td> <td>[2]</td> </tr> <tr> <td>5</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F450W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG 0.2333,-1</td> <td></td> <td>700.0 Secs [==>]</td> <td>[2]</td> </tr> <tr> <td>6</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F450W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG 0.0833,-0.35</td> <td></td> <td>800.0 Secs [==>]</td> <td>[2]</td> </tr> <tr> <td>7</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F814W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG 1.2666,-0.6</td> <td></td> <td>500.0 Secs [==>]</td> <td>[3]</td> </tr> <tr> <td>8</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F450W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG 1.2666,-0.6</td> <td></td> <td>700.0 Secs [==>]</td> <td>[3]</td> </tr> <tr> <td>9</td> <td>(6) MESSIER-054-WFPC2</td> <td>(6) MESSIER-054-WFPC2</td> <td>WFPC2, IMAGE, WFALL-FIX</td> <td>F450W</td> <td>ATD-GAIN=15; CR-SPLIT=NO</td> <td>POS TARG 1.1166,0.05</td> <td></td> <td>800.0 Secs [==>]</td> <td>[3]</td> </tr> </tbody> </table>										#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	1	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.6,-1.3		500.0 Secs [==>]	[1]	2	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.6,-1.3		700.0 Secs [==>]	[1]	3	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.75,-0.65		800.0 Secs [==>]	[1]	4	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.2333,-1		500.0 Secs [==>]	[2]	5	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.2333,-1		700.0 Secs [==>]	[2]	6	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.0833,-0.35		800.0 Secs [==>]	[2]	7	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 1.2666,-0.6		500.0 Secs [==>]	[3]	8	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 1.2666,-0.6		700.0 Secs [==>]	[3]	9	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 1.1166,0.05		800.0 Secs [==>]	[3]
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit																																																																																																					
1	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.6,-1.3		500.0 Secs [==>]	[1]																																																																																																					
2	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.6,-1.3		700.0 Secs [==>]	[1]																																																																																																					
3	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.75,-0.65		800.0 Secs [==>]	[1]																																																																																																					
4	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.2333,-1		500.0 Secs [==>]	[2]																																																																																																					
5	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.2333,-1		700.0 Secs [==>]	[2]																																																																																																					
6	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.0833,-0.35		800.0 Secs [==>]	[2]																																																																																																					
7	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 1.2666,-0.6		500.0 Secs [==>]	[3]																																																																																																					
8	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 1.2666,-0.6		700.0 Secs [==>]	[3]																																																																																																					
9	(6) MESSIER-054-WFPC2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 1.1166,0.05		800.0 Secs [==>]	[3]																																																																																																					

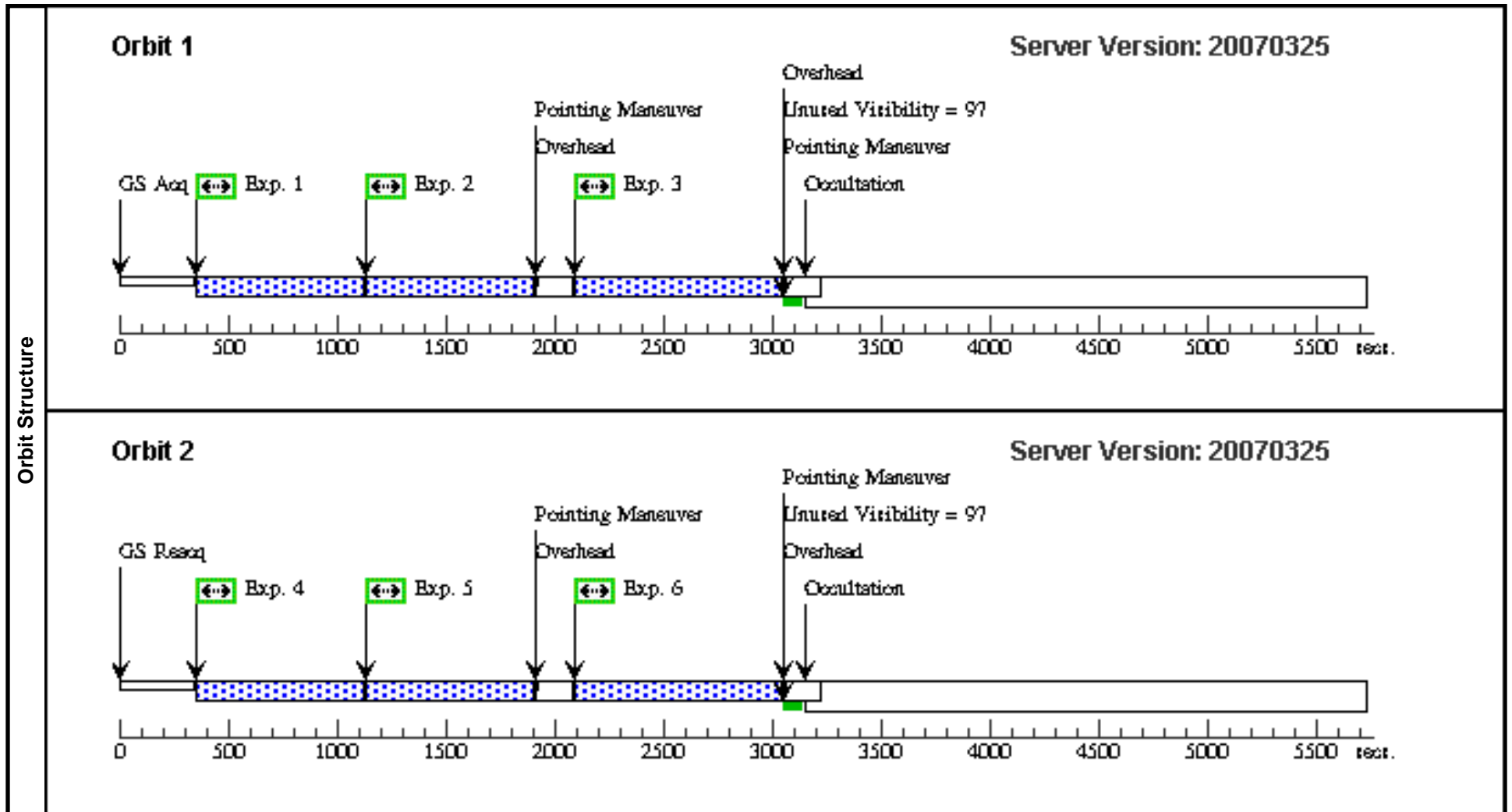


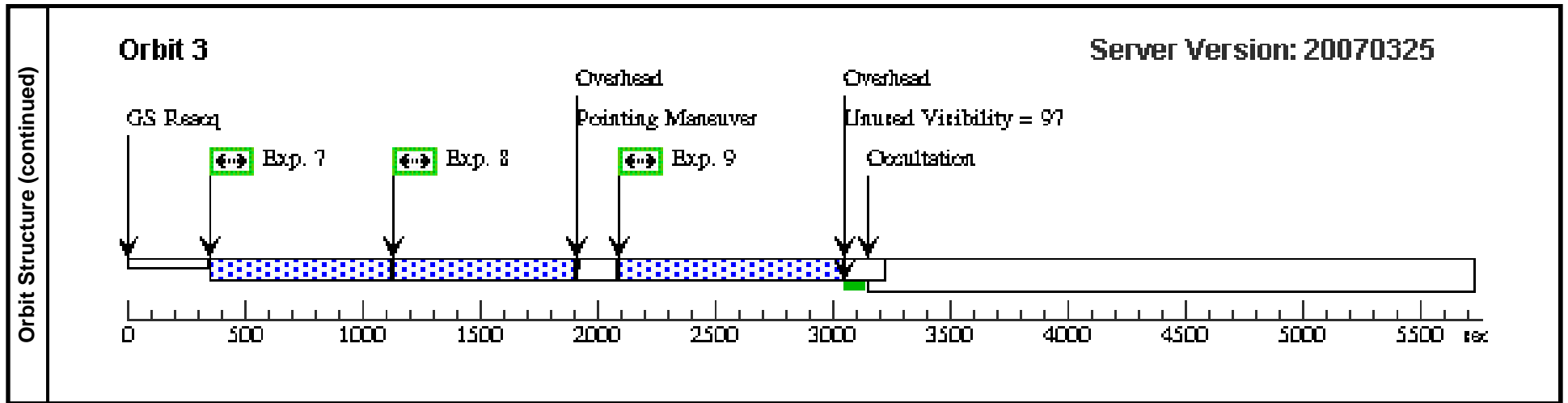


Proposal 10922 - Visit 14 - Searching for Signs of a Double Generation of Stars in Galactic Globular Clusters

Mon May 21 20:33:32 GMT 2007

Visit	Proposal 10922, Visit 14 Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 274.0D TO 284.0 D																											
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(6)</td> <td>MESSIER-054-WFPC2</td> <td>RA: 18 55 12.0000 (283.8000000d) Dec: -30 29 0.00 (-30.48333d) Equinox: J2000</td> <td></td> <td>V=-10.01+/-0.5</td> <td>Reference Frame: NED</td> </tr> <tr> <td colspan="6"><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i></td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	MESSIER-054-WFPC2	RA: 18 55 12.0000 (283.8000000d) Dec: -30 29 0.00 (-30.48333d) Equinox: J2000		V=-10.01+/-0.5	Reference Frame: NED	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>				
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																							
(6)	MESSIER-054-WFPC2	RA: 18 55 12.0000 (283.8000000d) Dec: -30 29 0.00 (-30.48333d) Equinox: J2000		V=-10.01+/-0.5	Reference Frame: NED																							
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>																												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit																		
	1	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -1.2,-0.2 667	500.0 Secs [==>]	[1]																				
	2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -1.2,-0.2 667	700.0 Secs [==>]	[1]																				
	3	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -1.35,0. 3833	800.0 Secs [==>]	[1]																				
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	5	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.2667, -0.0667	700.0 Secs [==>]	[2]																				
	6	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.4167, 0.5833	800.0 Secs [==>]	[2]																				
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	8	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.5666,0 .2333	700.0 Secs [==>]	[3]																				
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Proposal 10922 - Visit 15 - Searching for Signs of a Double Generation of Stars in Galactic Globular Clusters

Mon May 21 20:33:33 GMT 2007

Visit	Proposal 10922, Visit 15 Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 274.0D TO 284.0 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(6)	MESSIER-054-WFPC2	RA: 18 55 12.0000 (283.8000000d) Dec: -30 29 0.00 (-30.48333d) Equinox: J2000			V=-10.01+/-0.5	Reference Frame: NED			
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.9,0.7 666			500.0 Secs [==>]	[1]
	2	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.9,0.7 666			700.0 Secs [==>]	[1]
	3	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -1.05,1. 4166			800.0 Secs [==>]	[1]
	4	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.0667, 1.1666			500.0 Secs [==>]	[2]
	5	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.0667, 1.1666			700.0 Secs [==>]	[2]
	6	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG -0.2167, 1.8166			800.0 Secs [==>]	[2]
	7	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F814W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.8666,1. .4666			500.0 Secs [==>]	[3]
	8	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.8666,1. .4666			700.0 Secs [==>]	[3]
	9	(6) MESSIER-054-WFPC2	WFPC2, IMAGE, WFALL-FIX	F450W	ATD-GAIN=15; CR-SPLIT=NO	POS TARG 0.7166,2. .1166			800.0 Secs [==>]	[3]

