



14807 - The primordial binary fraction in the young massive cluster Westerlund 2

Cycle: 24, Proposal Category: GO

(JWST Initiative)

(Availability Mode: AVAILABLE)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:46.0	yes
02	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:48.0	yes
03	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:50.0	yes
04	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:51.0	yes
05	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:53.0	yes
06	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:54.0	yes
07	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:56.0	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>
08	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:57.0	yes
09	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:02:59.0	yes
10	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:00.0	yes
11	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:02.0	yes
12	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:04.0	yes
13	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:05.0	yes
14	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:07.0	yes
15	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:08.0	yes
16	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:10.0	yes
17	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:11.0	yes
18	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:12.0	yes
19	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:14.0	yes
20	(1) CL-WESTERLUND-2	WFC3/UVIS	1	04-Apr-2017 21:03:15.0	yes

20 Total Orbits Used

ABSTRACT

This is a photometric and astrometric proposal designed to probe the unexplored population of primordial low- and intermediate-mass binaries (mass range ~ 0.5 to 8 Mo) in the young massive cluster Westerlund 2. Our observations are tailored to identify short, intermediate and long period binaries and therefore ascertain, for the first time, the fraction of low- and intermediate-mass binaries in an environment that resembles the conditions of stellar density and UV radiation found during the early evolution of globular clusters, or starburst galaxies. Knowledge of the orbital properties of soft and hard binaries over a broad range of masses can be used to constrain the models of star and cluster formation and evolution. A byproduct of this project will be an astrometric catalog of hundred of targets for spectroscopic follow up with JWST to study the early evolution of protoplanetary disks, which is one of the science themes of the Webb mission. If we can complete the requested observations in the next three cycles, we will be in the position to start the spectroscopic follow up in 2020, when JWST is fully commissioned. This makes the requested observations extremely timely.

OBSERVING DESCRIPTION

This is a proposal to characterize for the first time low-mass short-, medium- and long-period binaries in a region of massive star formation. We plan to repeatedly observe the same region for the next three years. To maximize the detection the observations must be spaced in a non-uniform logarithmic scale. Each visits will consist of one single orbit. The observations have been organized as follow:

CY24

During the first year we plan to detect the binaries with the shortest periods. To do so we need to schedule 10 equally spaced visits over 8 days (therefore scheduling a visit roughly every 19 hours). We will then schedule five visits roughly every 38 hours, for a total of 15 visits in 16 days. While it is not important when these 15 visits are scheduled within cycle24, it is important to maintain the cadence. During CY24 we will be collected other 5 visits that will be scheduled every 51 days.

CY25

During the second year we will organize our observations in 2 series of five visits each. In the first series we will observe Wd2 every 3.2 days (for a total of five visits in 16 days) and in the second series we will visit the cluster every 25.6 days (5 visits in 128 days). Other five visits will be acquired every 102.4 days, with three visits to be scheduled in CY25 and 2 in CY26.

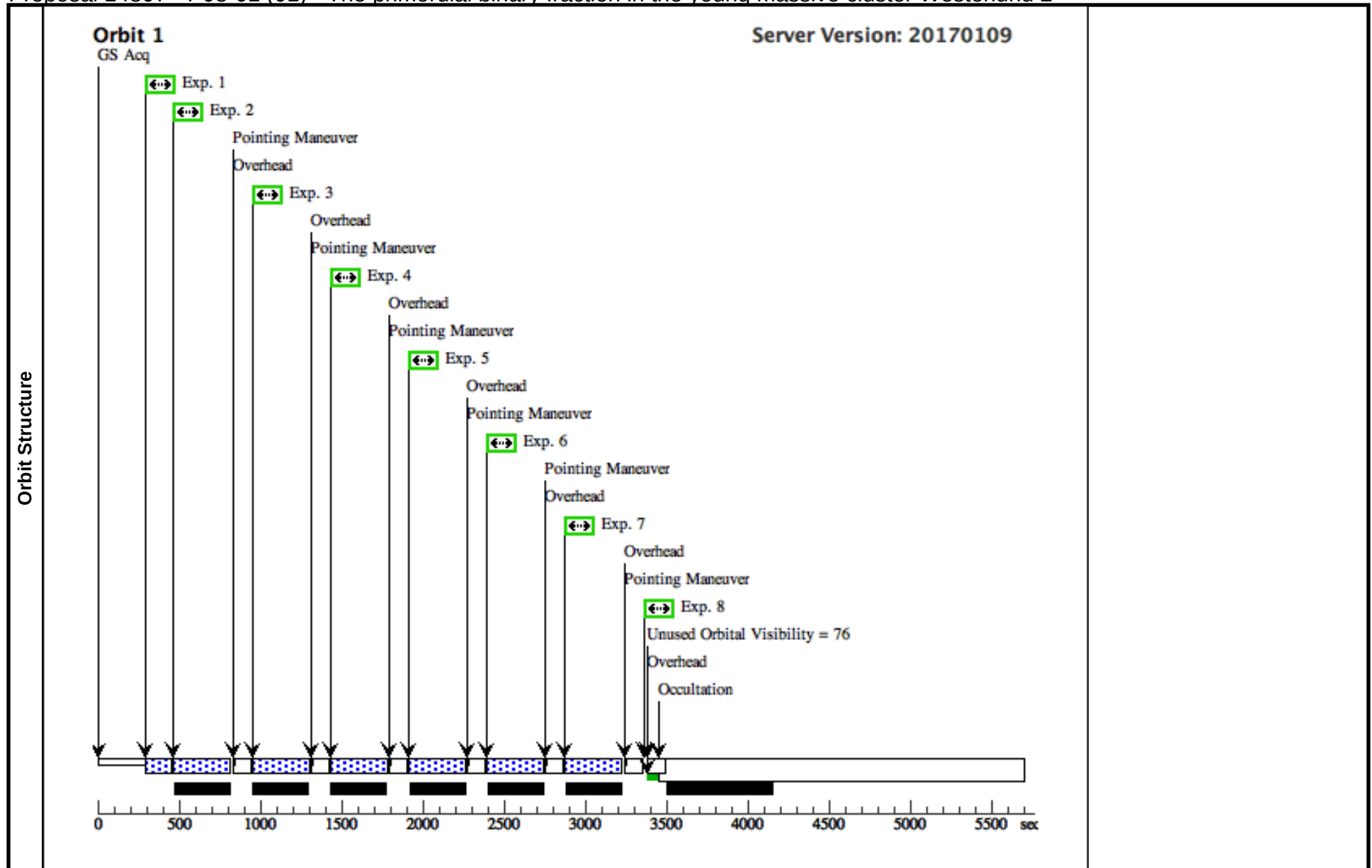
CY26

In CY26 in addition to the 2 visits every 102.4 days we will schedule 5 visits every 6.4 days (5 visits in 32 days) and five visits every 12.8 days (corresponding to an observing window of 64 days)

Because we want to carefully characterize the shape of the barely resolved stars, we need to minimize the effect of the shutter vibrations in the short exposures, therefore we request to acquire all the short exposures using SHUTTER=Blade A.

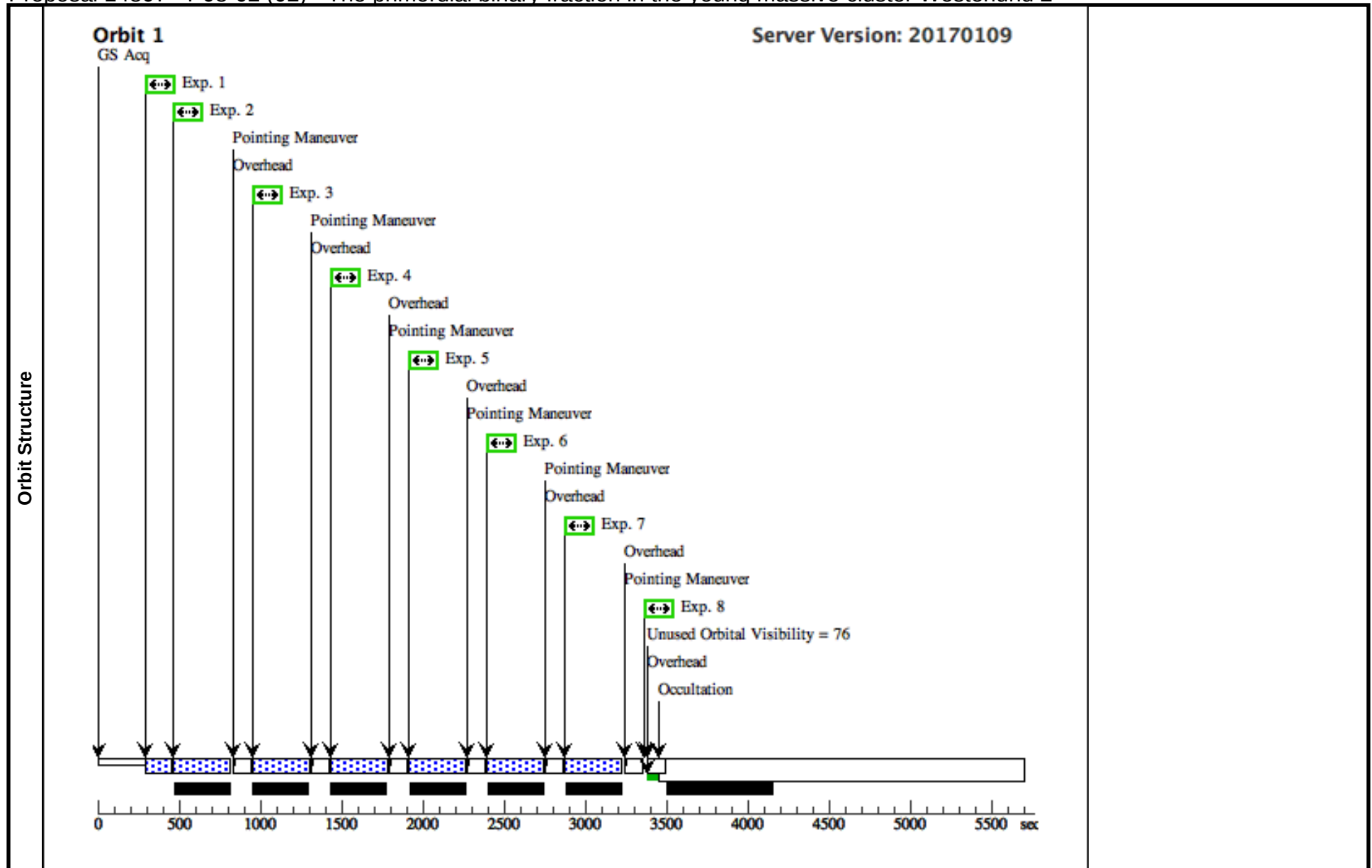
Proposal 14807 - P08-01 (01) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-01 (01), implementation								Wed Apr 05 01:03:17 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-01 (01)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-01 (01)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-01 (01)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-01 (01)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-01 (01)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-01 (01)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-01 (01)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-01 (01)	3 Secs (3 Secs) [==>]	[1]



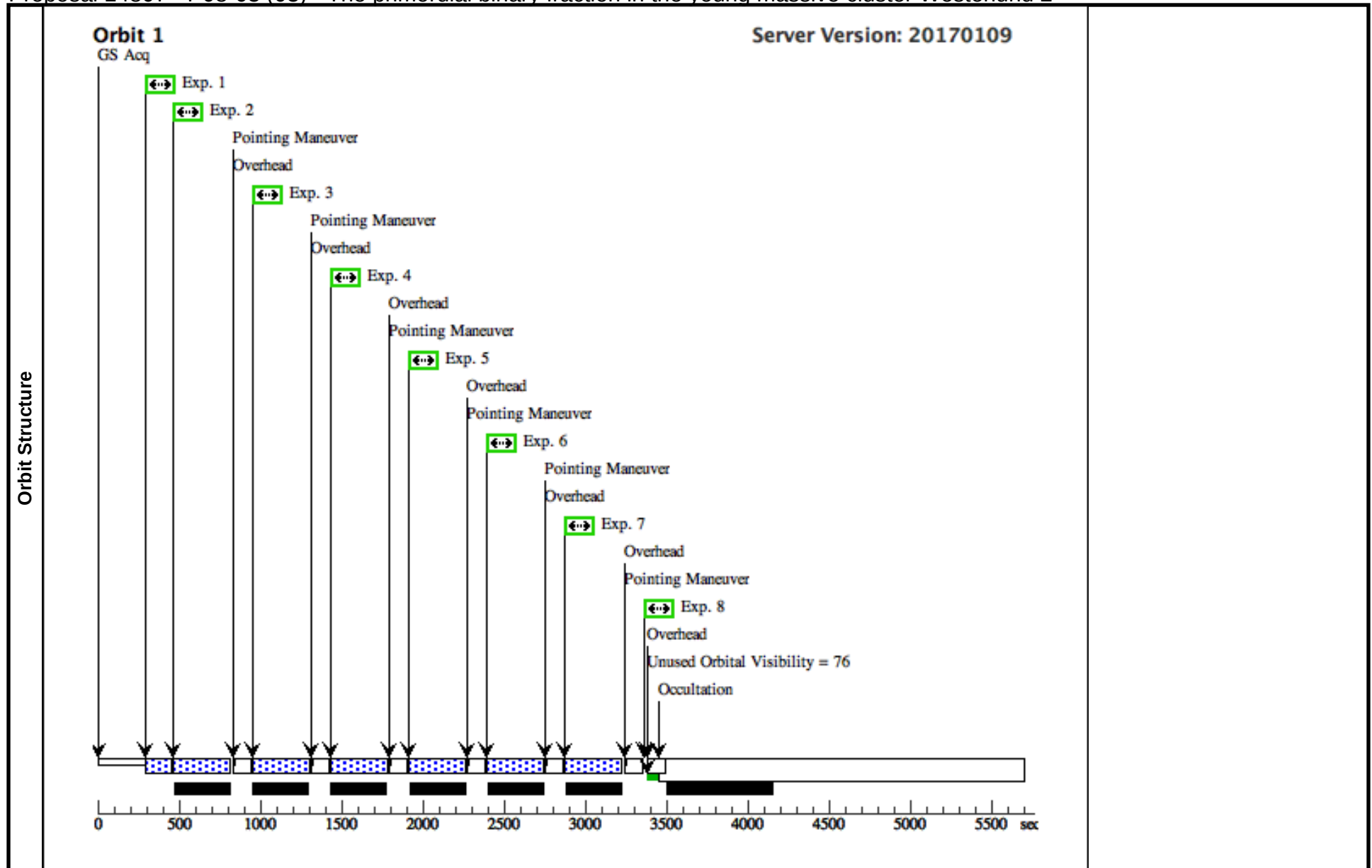
Proposal 14807 - P08-02 (02) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-02 (02), implementation Wed Apr 05 01:03:17 GMT 2017									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 18 H TO 20 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>		V=10.5	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-02 (02)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-02 (02)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-02 (02)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-02 (02)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-02 (02)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-02 (02)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-02 (02)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-02 (02)	3 Secs (3 Secs) [==>]	[1]



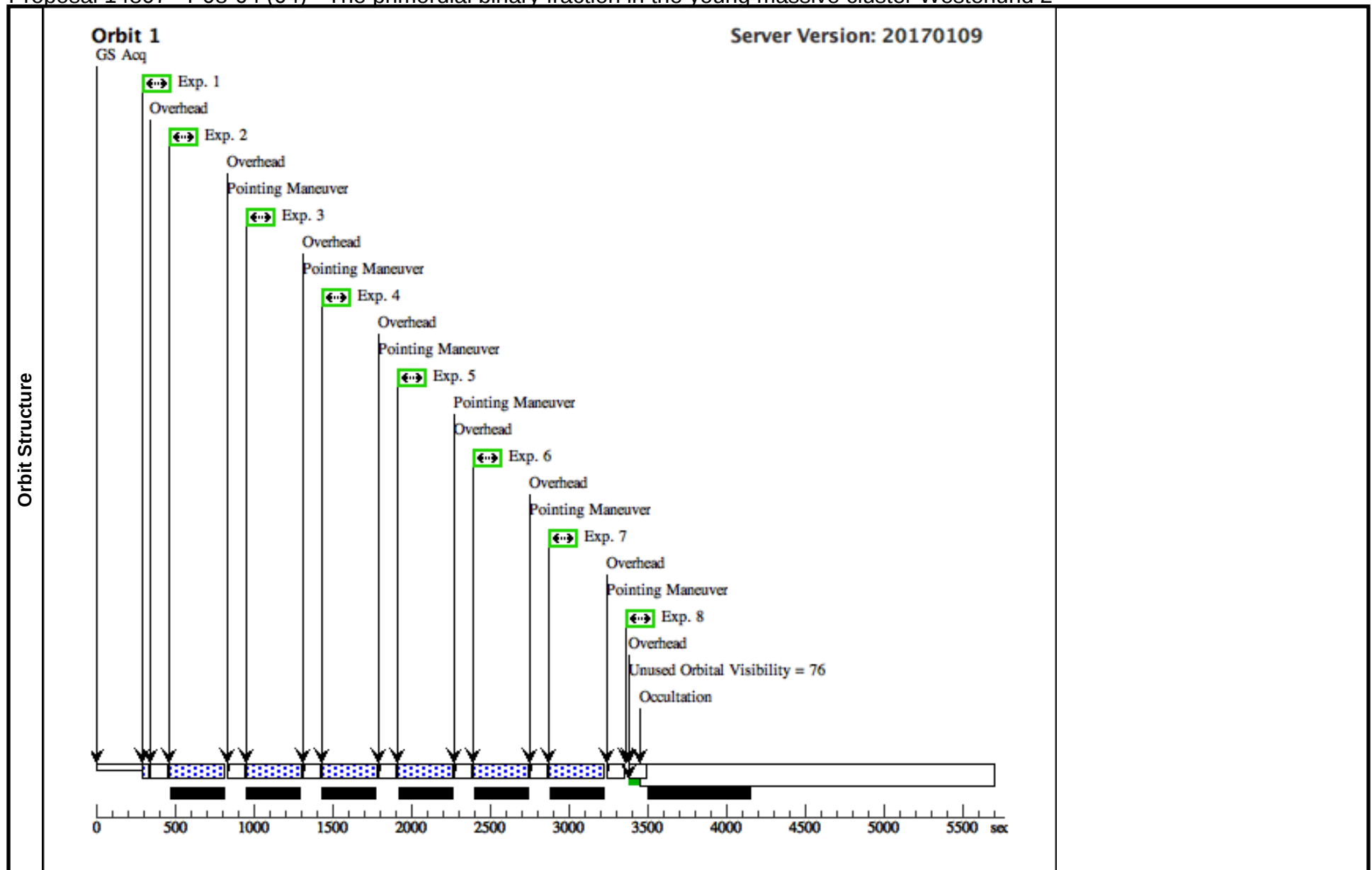
Proposal 14807 - P08-03 (03) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-03 (03), implementation							Wed Apr 05 01:03:17 GMT 2017		
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 36 H TO 38 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-03 (03)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-03 (03)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-03 (03)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-03 (03)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-03 (03)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-03 (03)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-03 (03)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-03 (03)	3 Secs (3 Secs) [==>]	[1]



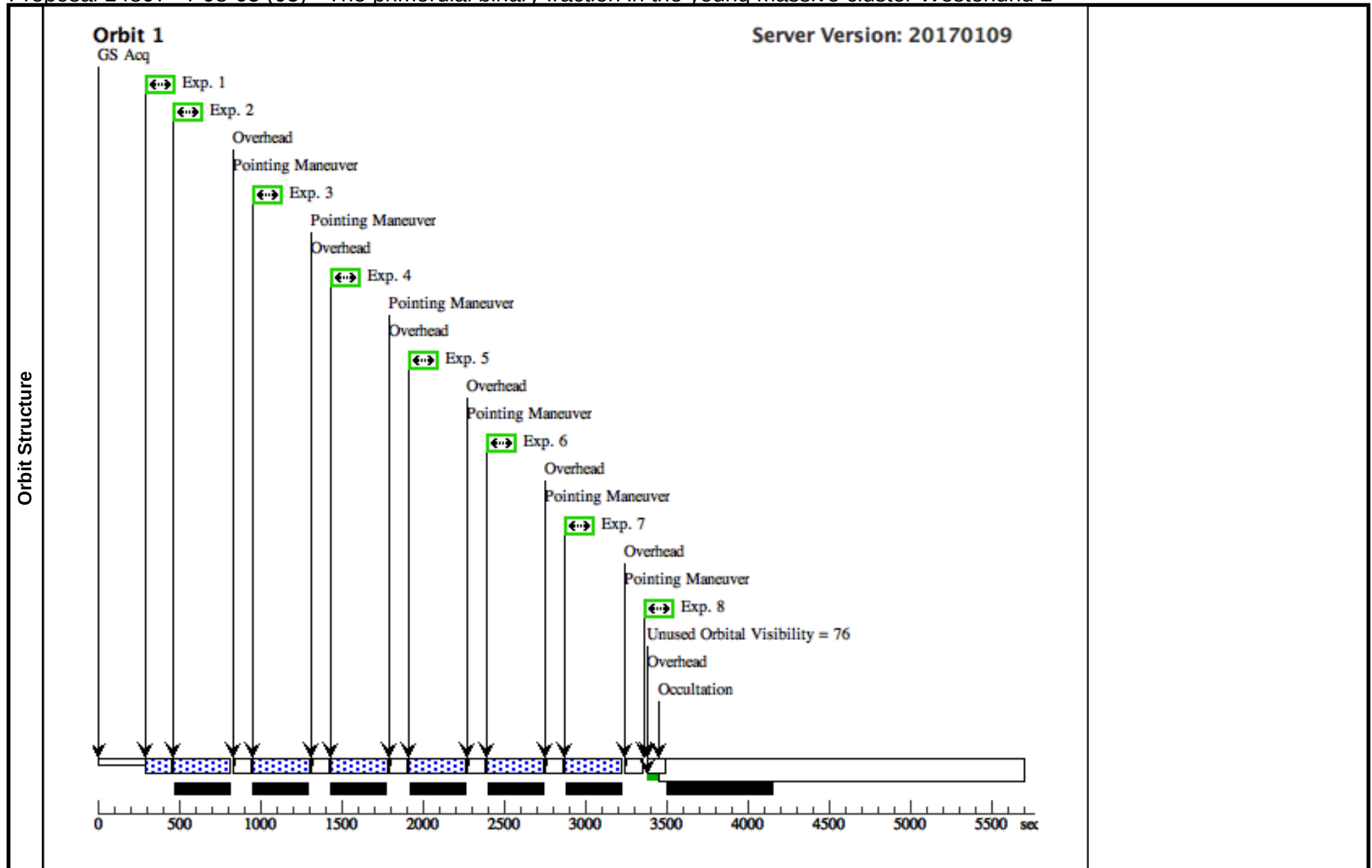
Proposal 14807 - P08-04 (04) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-04 (04), implementation										Wed Apr 05 01:03:17 GMT 2017
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: AFTER 01 BY 54 H TO 56 H; BEFORE 01-SEP-2017:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000				V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55		3 Secs (3 Secs) [==>]		[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55		350 Secs (350 Secs) [==>]		[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1. 429		350 Secs (350 Secs) [==>]		[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1. 25		350 Secs (350 Secs) [==>]		[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4			350 Secs (350 Secs) [==>]		[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0 .36		350 Secs (350 Secs) [==>]		[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,- 1.25		350 Secs (350 Secs) [==>]		[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,- 1.25		3 Secs (3 Secs) [==>]		[1]



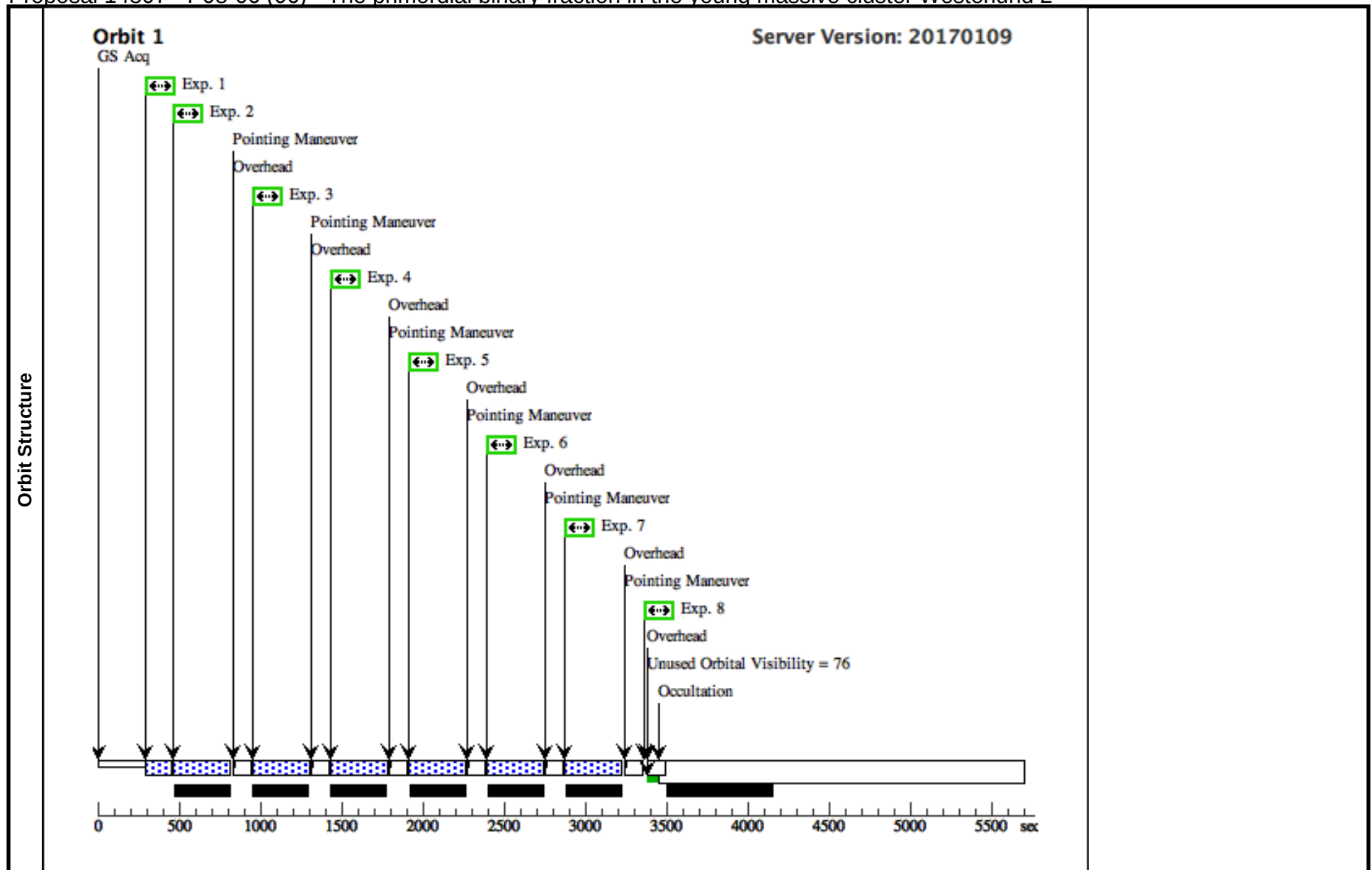
Proposal 14807 - P08-05 (05) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-05 (05), implementation Wed Apr 05 01:03:17 GMT 2017									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 72 H TO 74 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>		V=10.5	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-05 (05)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-05 (05)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-05 (05)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-05 (05)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-05 (05)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-05 (05)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-05 (05)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-05 (05)	3 Secs (3 Secs) [==>]	[1]



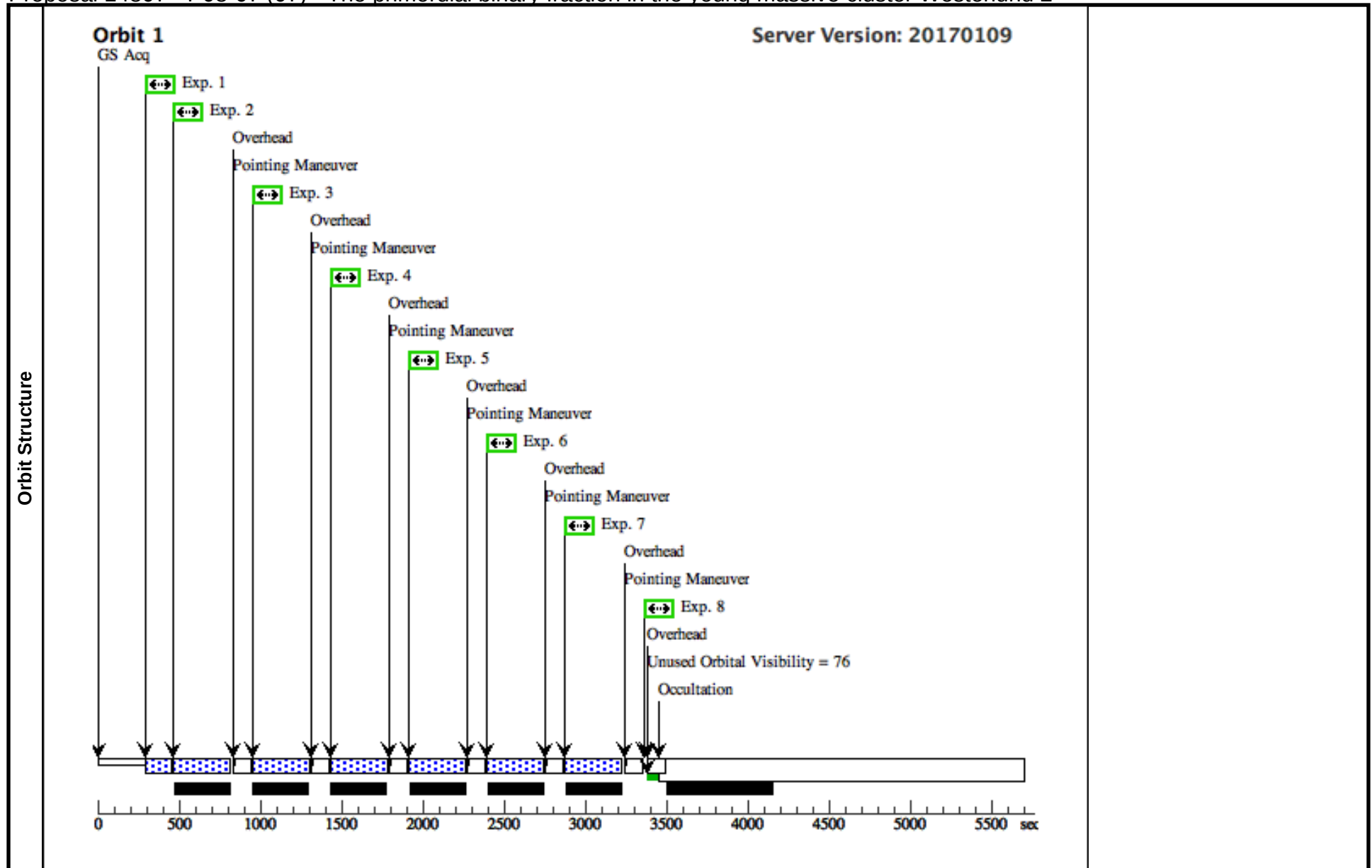
Proposal 14807 - P08-06 (06) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-06 (06), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 90 H TO 92 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-06 (06)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-06 (06)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-06 (06)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-06 (06)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-06 (06)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-06 (06)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-06 (06)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-06 (06)	3 Secs (3 Secs) [==>]	[1]



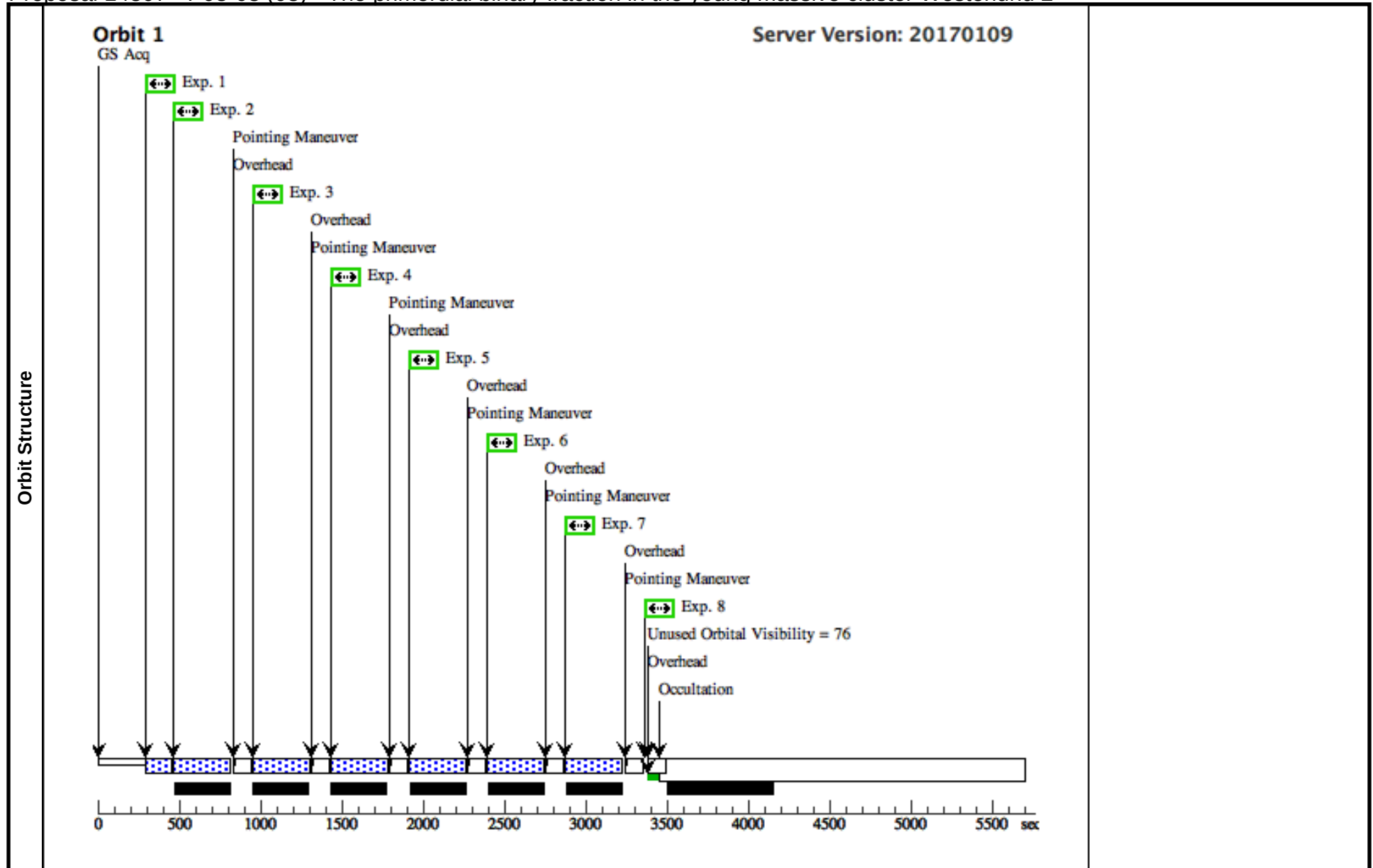
Proposal 14807 - P08-07 (07) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-07 (07), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 108 H TO 110 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-07 (07)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-07 (07)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-07 (07)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-07 (07)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-07 (07)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-07 (07)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-07 (07)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-07 (07)	3 Secs (3 Secs) [==>]	[1]



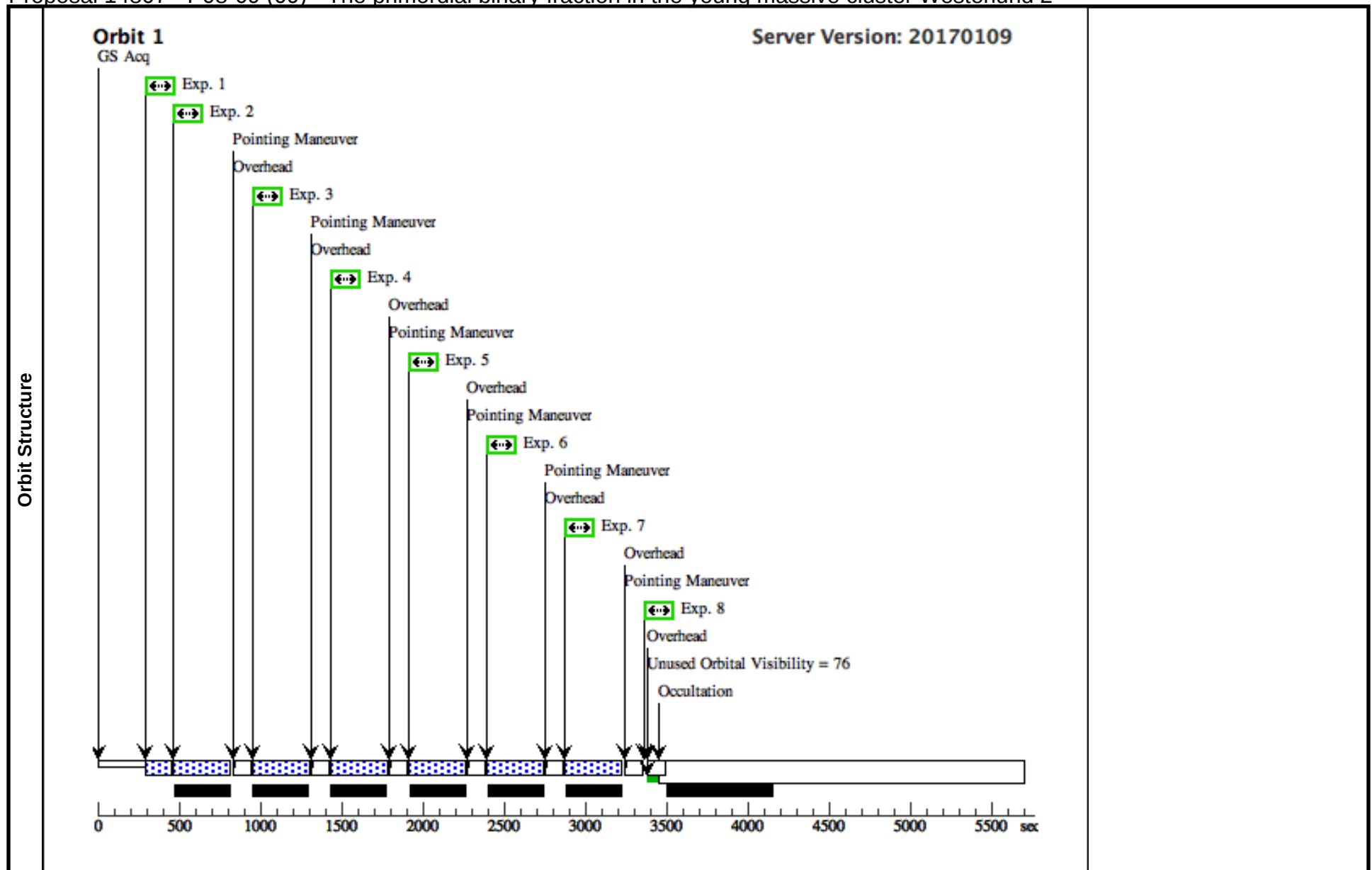
Proposal 14807 - P08-08 (08) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-08 (08), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 126 H TO 128 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-08 (08)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-08 (08)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-08 (08)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-08 (08)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-08 (08)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-08 (08)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-08 (08)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-08 (08)	3 Secs (3 Secs) [==>]	[1]



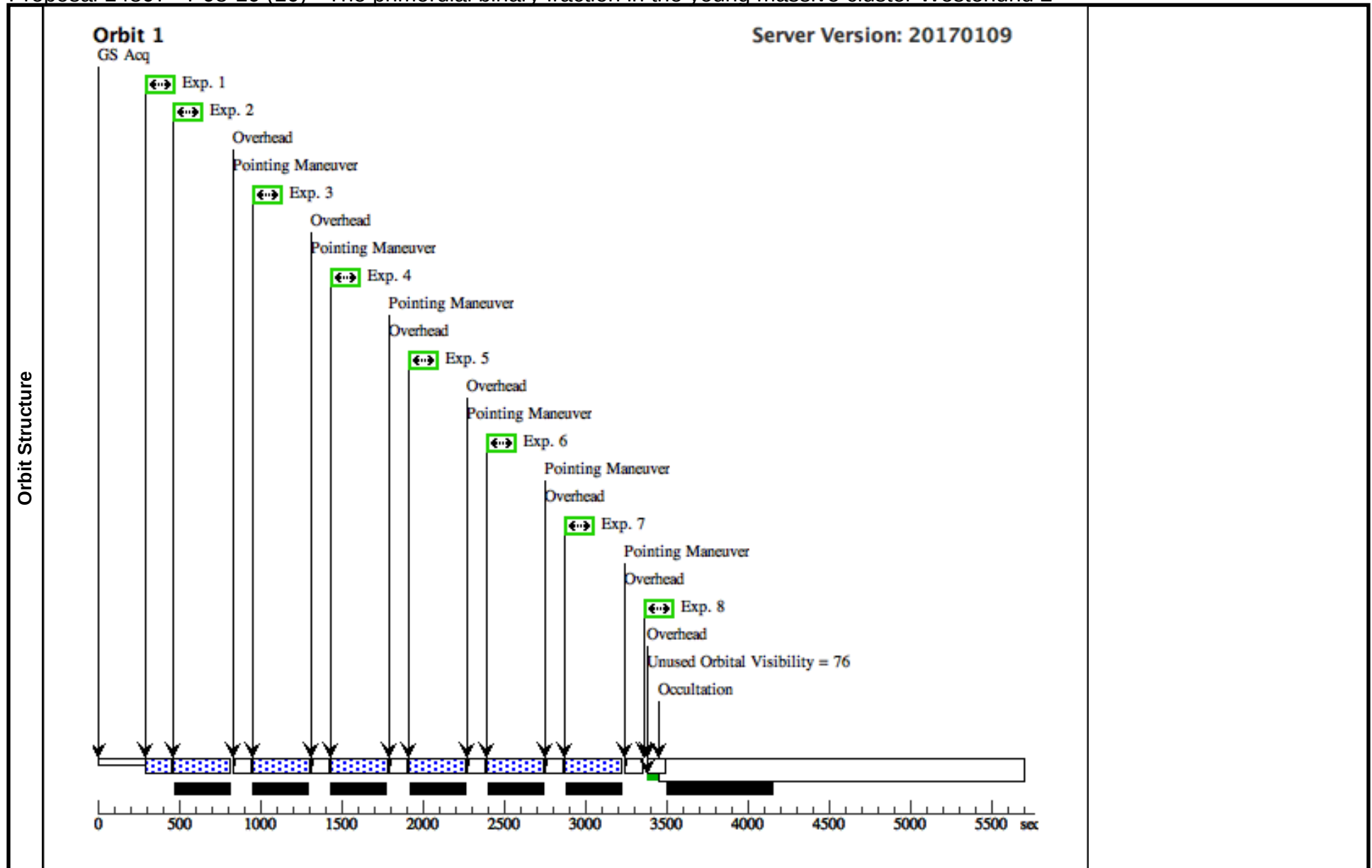
Proposal 14807 - P08-09 (09) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-09 (09), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 144 H TO 146 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-09 (09)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-09 (09)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-09 (09)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-09 (09)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-09 (09)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-09 (09)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-09 (09)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-09 (09)	3 Secs (3 Secs) [==>]	[1]



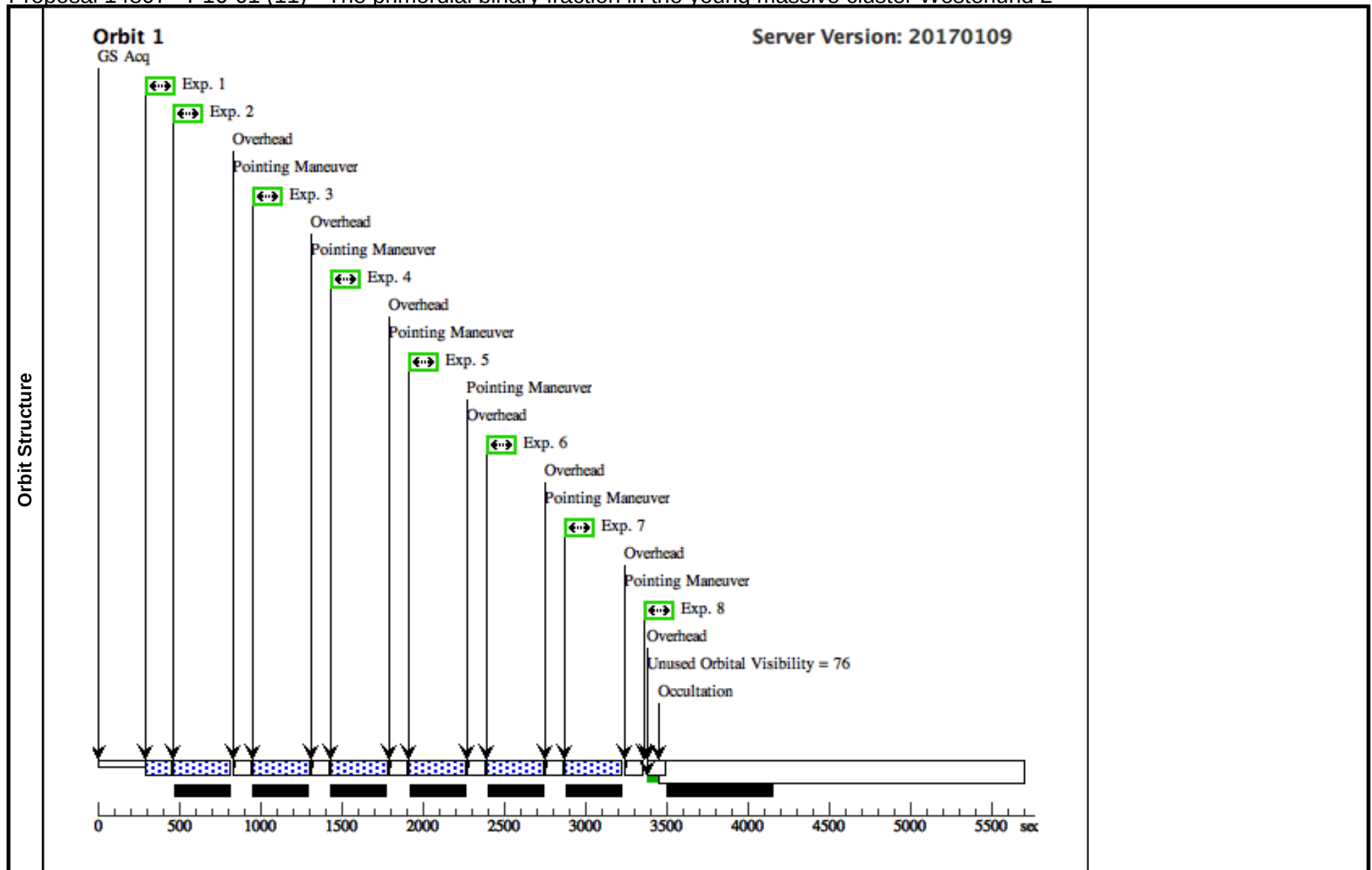
Proposal 14807 - P08-10 (10) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P08-10 (10), implementation Wed Apr 05 01:03:18 GMT 2017									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: AFTER 01 BY 162 H TO 164 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>		V=10.5	Reference Frame: SIMBAD				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-10 (10)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P08-10 (10)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P08-10 (10)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P08-10 (10)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P08-10 (10)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P08-10 (10)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P08-10 (10)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P08-10 (10)	3 Secs (3 Secs) [==>]	[1]



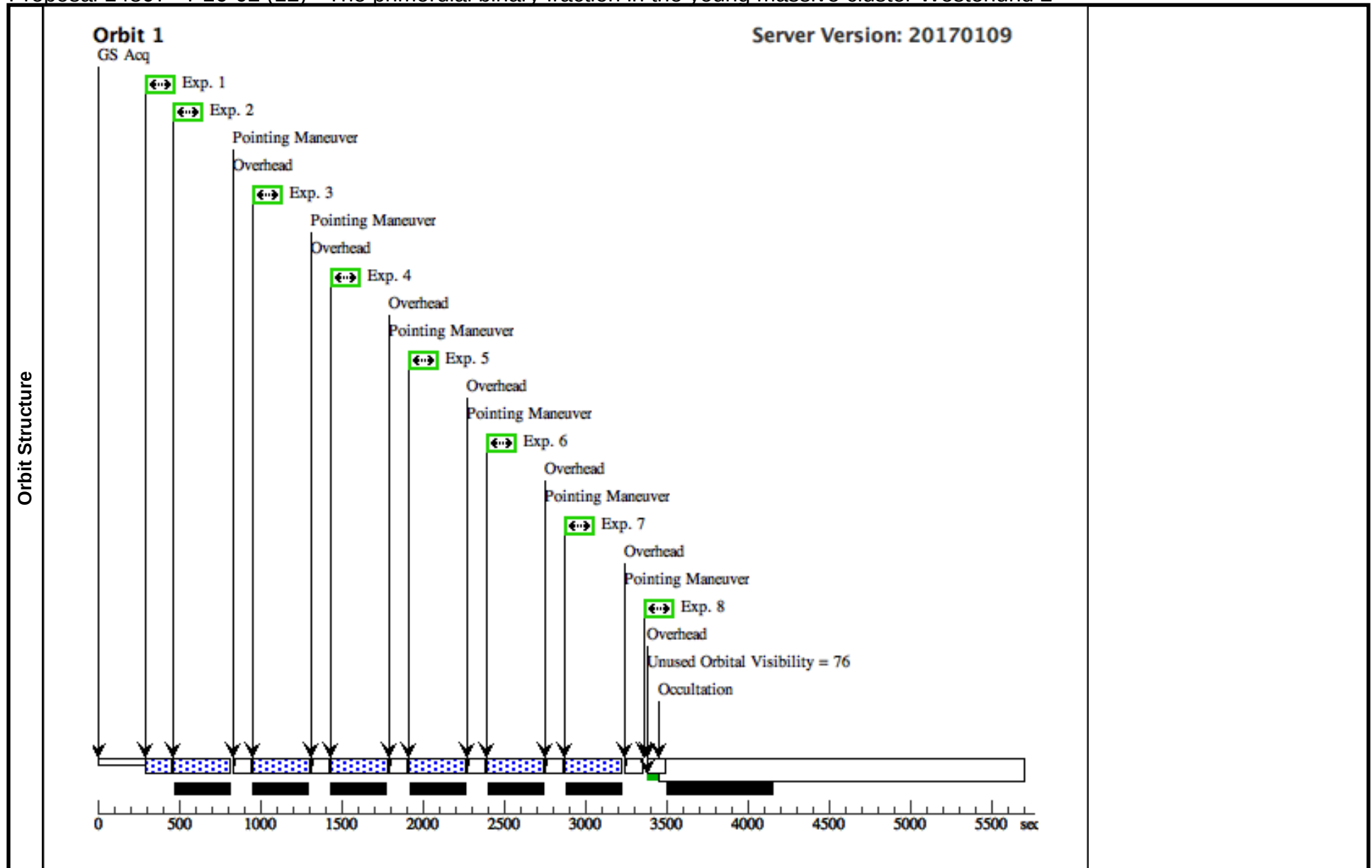
Proposal 14807 - P16-01 (11) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P16-01 (11), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 180 H TO 182 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-01 (11)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-01 (11)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P16-01 (11)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P16-01 (11)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P16-01 (11)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P16-01 (11)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P16-01 (11)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P16-01 (11)	3 Secs (3 Secs) [==>]	[1]



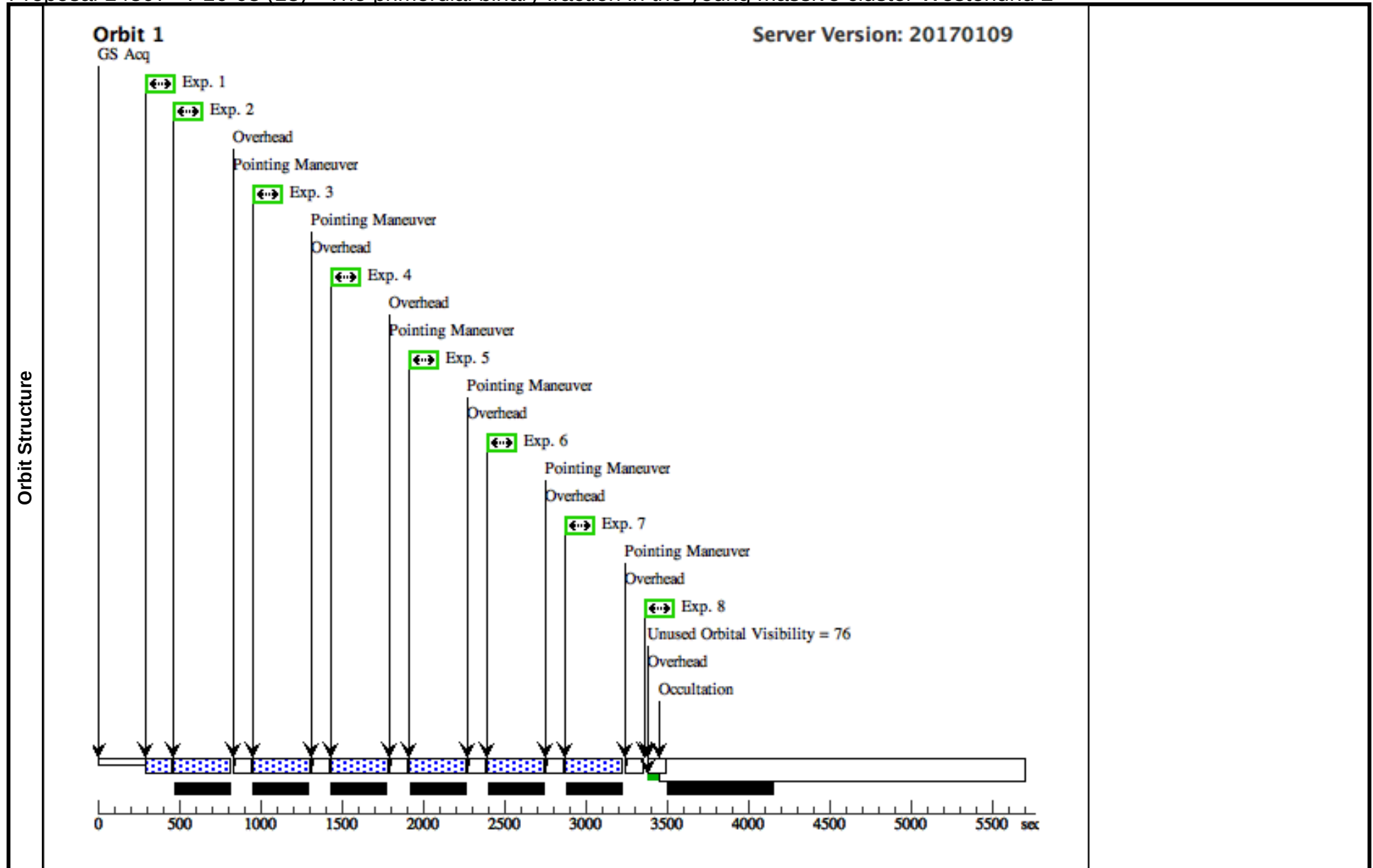
Proposal 14807 - P16-02 (12) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P16-02 (12), implementation						Wed Apr 05 01:03:18 GMT 2017			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 218 H TO 220 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5	Reference Frame: SIMBAD			
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-02 (12)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-02 (12)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P16-02 (12)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P16-02 (12)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P16-02 (12)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P16-02 (12)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P16-02 (12)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P16-02 (12)	3 Secs (3 Secs) [==>]	[1]



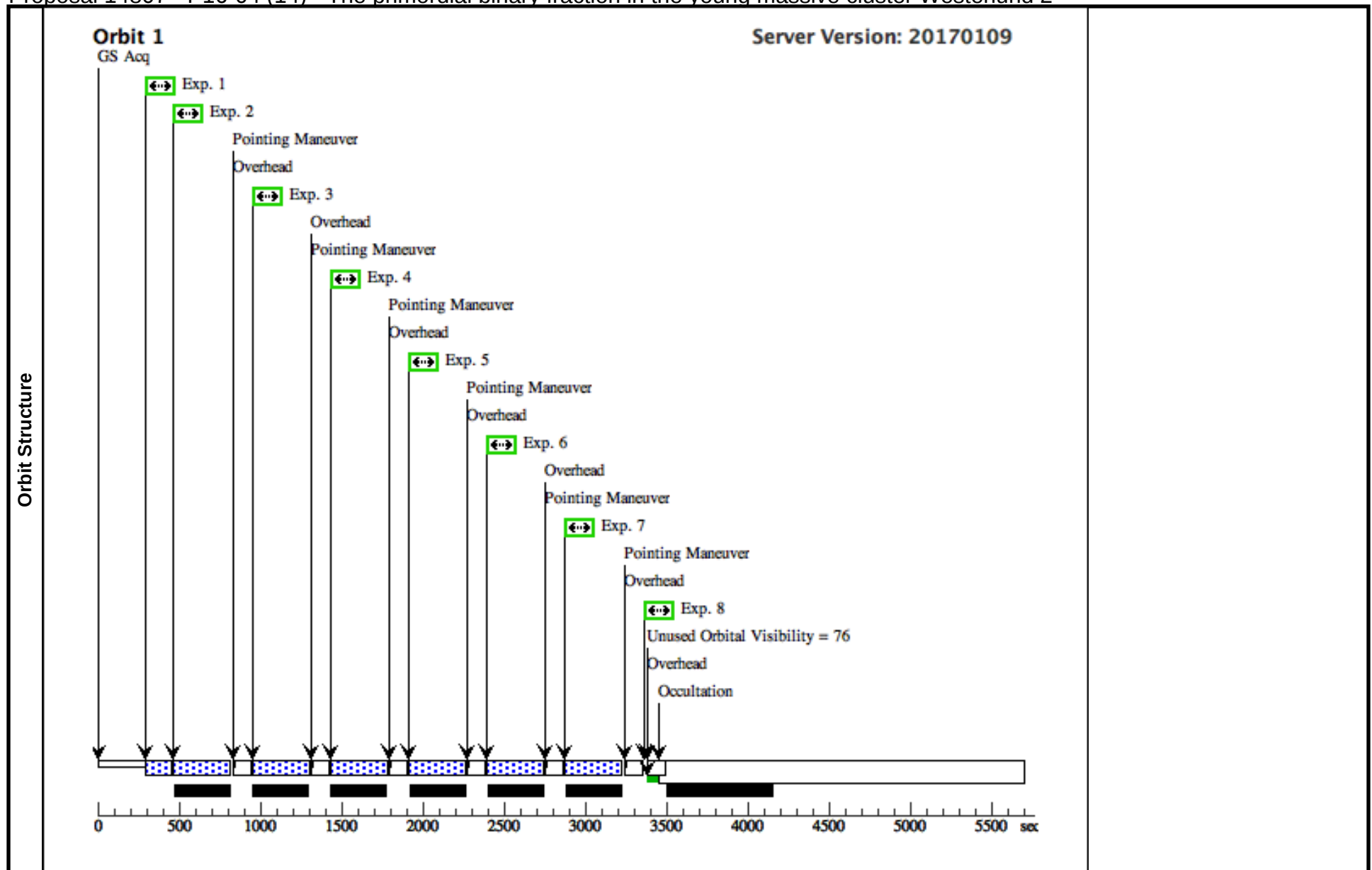
Proposal 14807 - P16-03 (13) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P16-03 (13), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 256 H TO 258 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-03 (13)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-03 (13)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P16-03 (13)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P16-03 (13)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P16-03 (13)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P16-03 (13)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P16-03 (13)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P16-03 (13)	3 Secs (3 Secs) [==>]	[1]



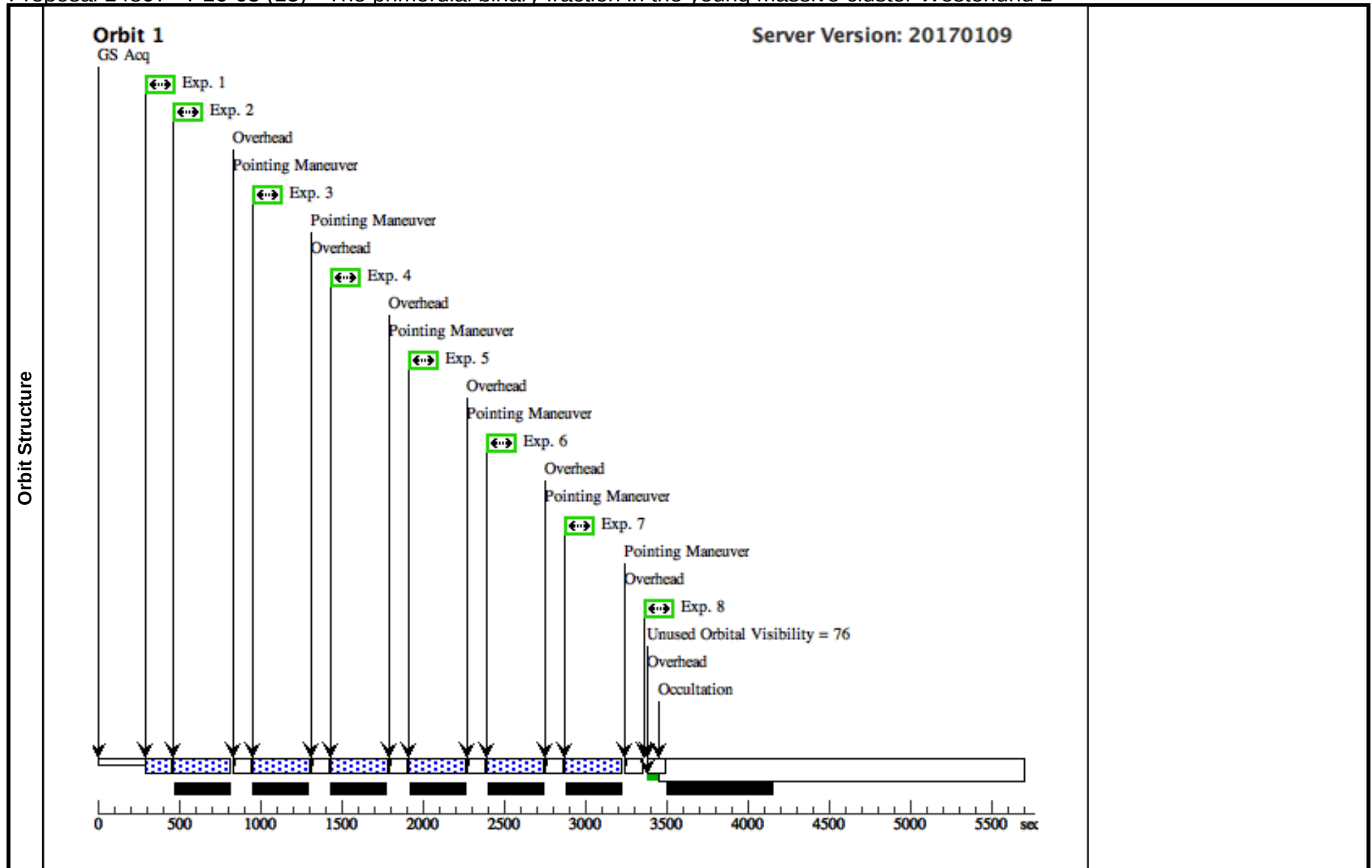
Proposal 14807 - P16-04 (14) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P16-04 (14), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 294 H TO 296 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-04 (14)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-04 (14)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P16-04 (14)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P16-04 (14)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P16-04 (14)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P16-04 (14)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P16-04 (14)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P16-04 (14)	3 Secs (3 Secs) [==>]	[1]



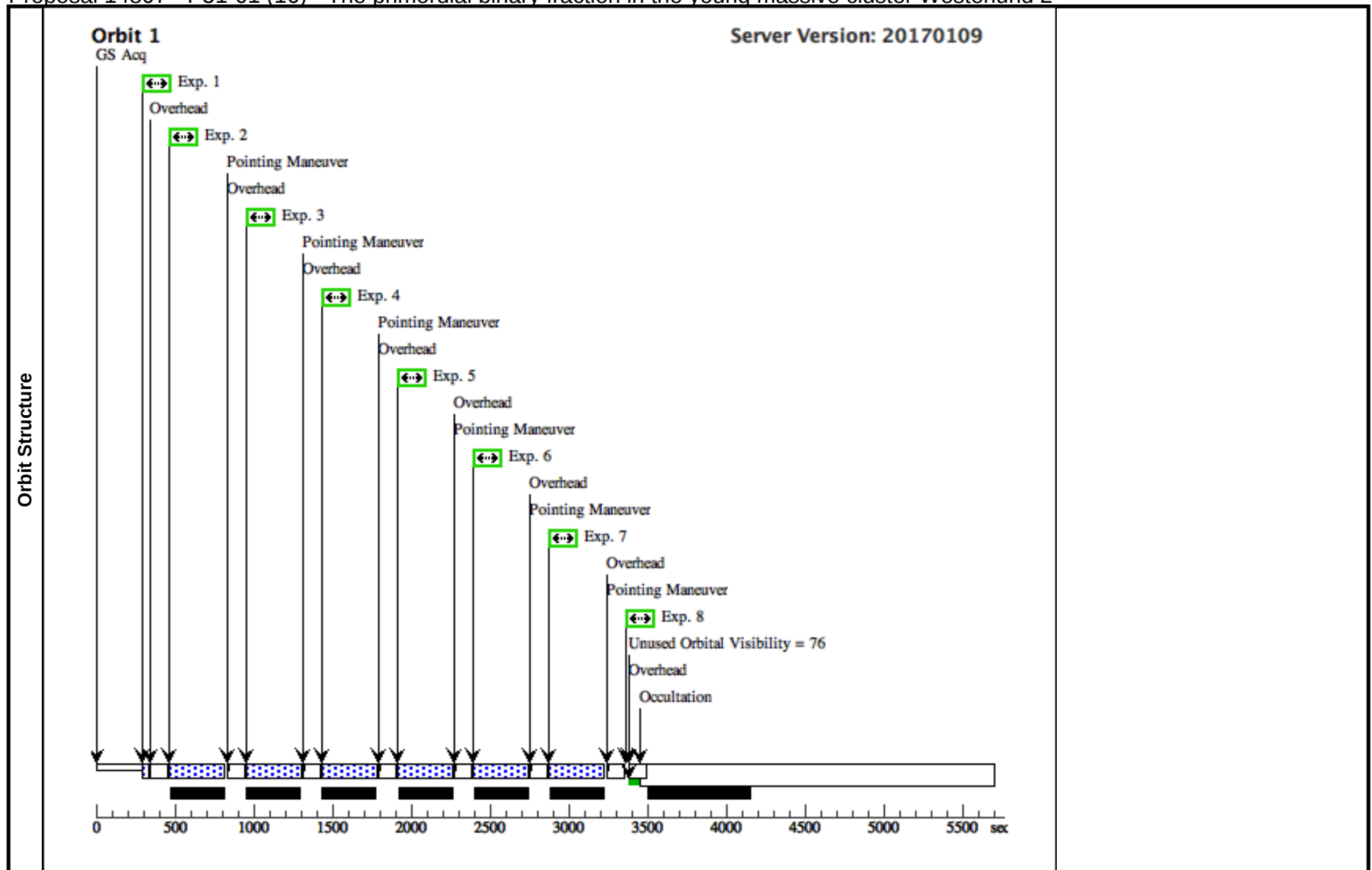
Proposal 14807 - P16-05 (15) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P16-05 (15), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 01 BY 484 H TO 486 H; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-05 (15)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P16-05 (15)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P16-05 (15)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P16-05 (15)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P16-05 (15)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P16-05 (15)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P16-05 (15)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P16-05 (15)	3 Secs (3 Secs) [==>]	[1]



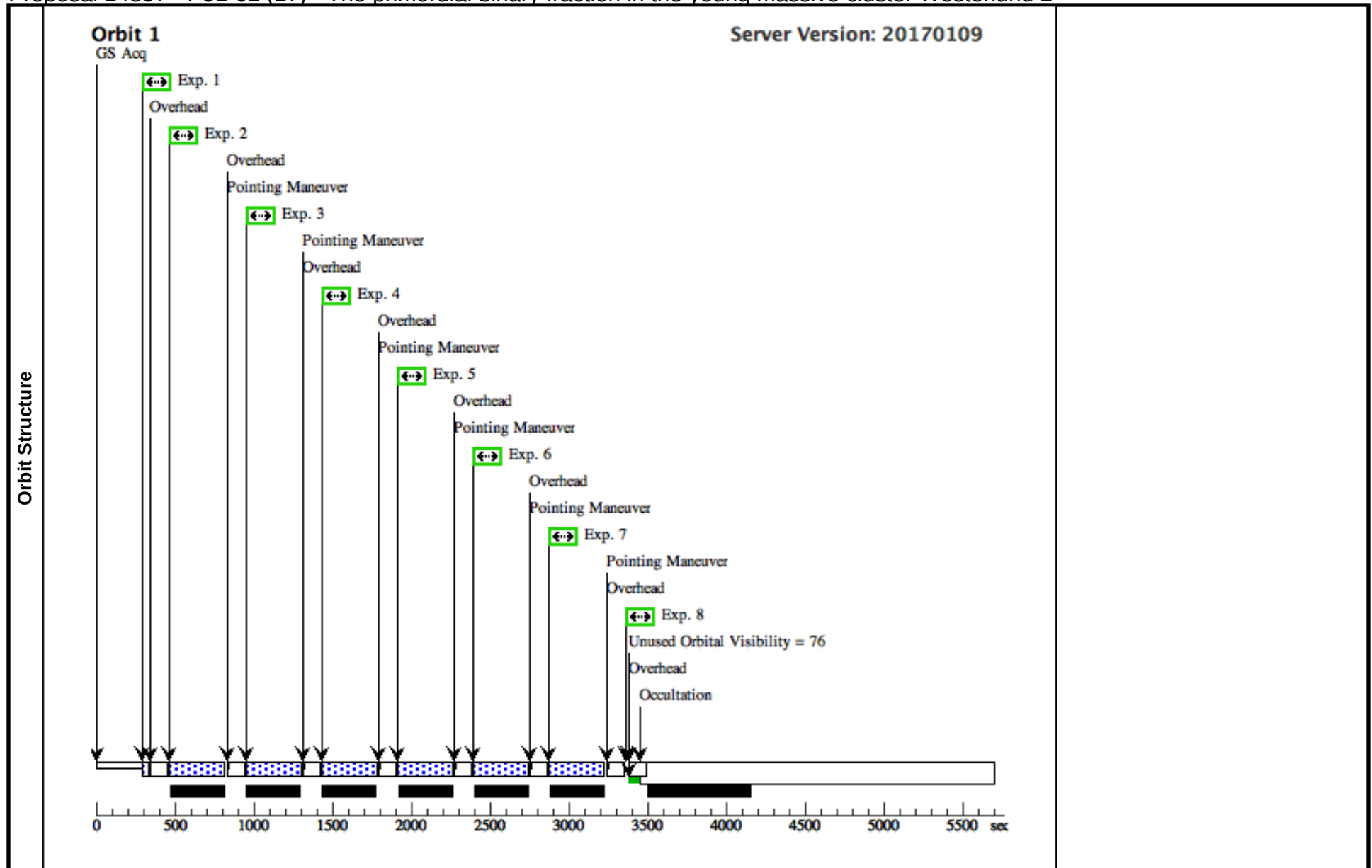
Proposal 14807 - P51-01 (16) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P51-01 (16), completed										Wed Apr 05 01:03:18 GMT 2017
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: BEFORE 01-SEP-2017:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000				V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55		3 Secs (3 Secs) [==>]		[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55		350 Secs (350 Secs) [==>]		[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1. 429		350 Secs (350 Secs) [==>]		[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1. 25		350 Secs (350 Secs) [==>]		[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4			350 Secs (350 Secs) [==>]		[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0 .36		350 Secs (350 Secs) [==>]		[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,- 1.25		350 Secs (350 Secs) [==>]		[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,- 1.25		3 Secs (3 Secs) [==>]		[1]



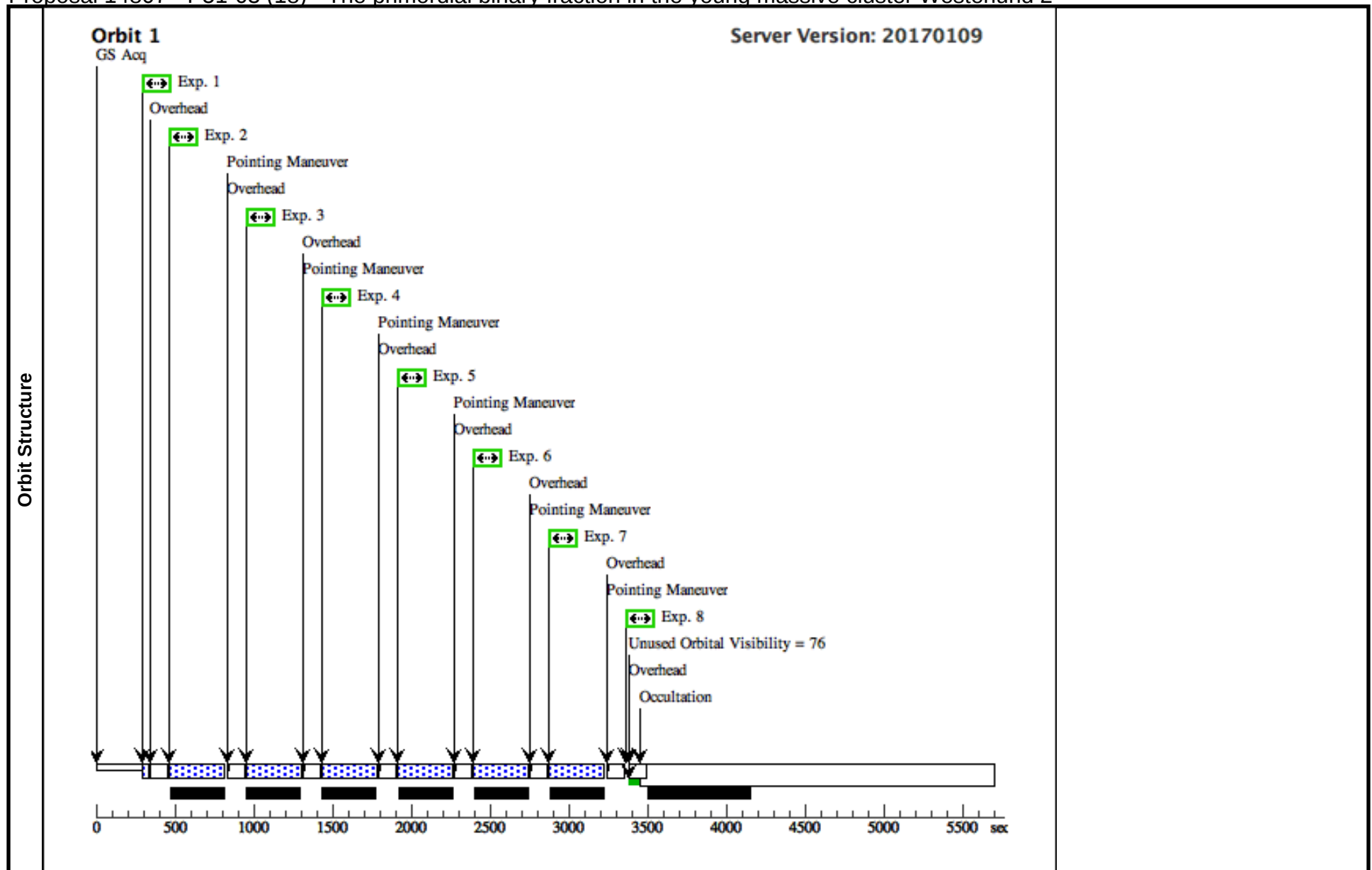
Proposal 14807 - P51-02 (17) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P51-02 (17), completed										Wed Apr 05 01:03:18 GMT 2017
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: AFTER 16 BY 51 D TO 52 D; BEFORE 01-SEP-2017:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000				V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55		3 Secs (3 Secs) [==>]		[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55		350 Secs (350 Secs) [==>]		[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429		350 Secs (350 Secs) [==>]		[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25		350 Secs (350 Secs) [==>]		[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4			350 Secs (350 Secs) [==>]		[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36		350 Secs (350 Secs) [==>]		[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25		350 Secs (350 Secs) [==>]		[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25		3 Secs (3 Secs) [==>]		[1]



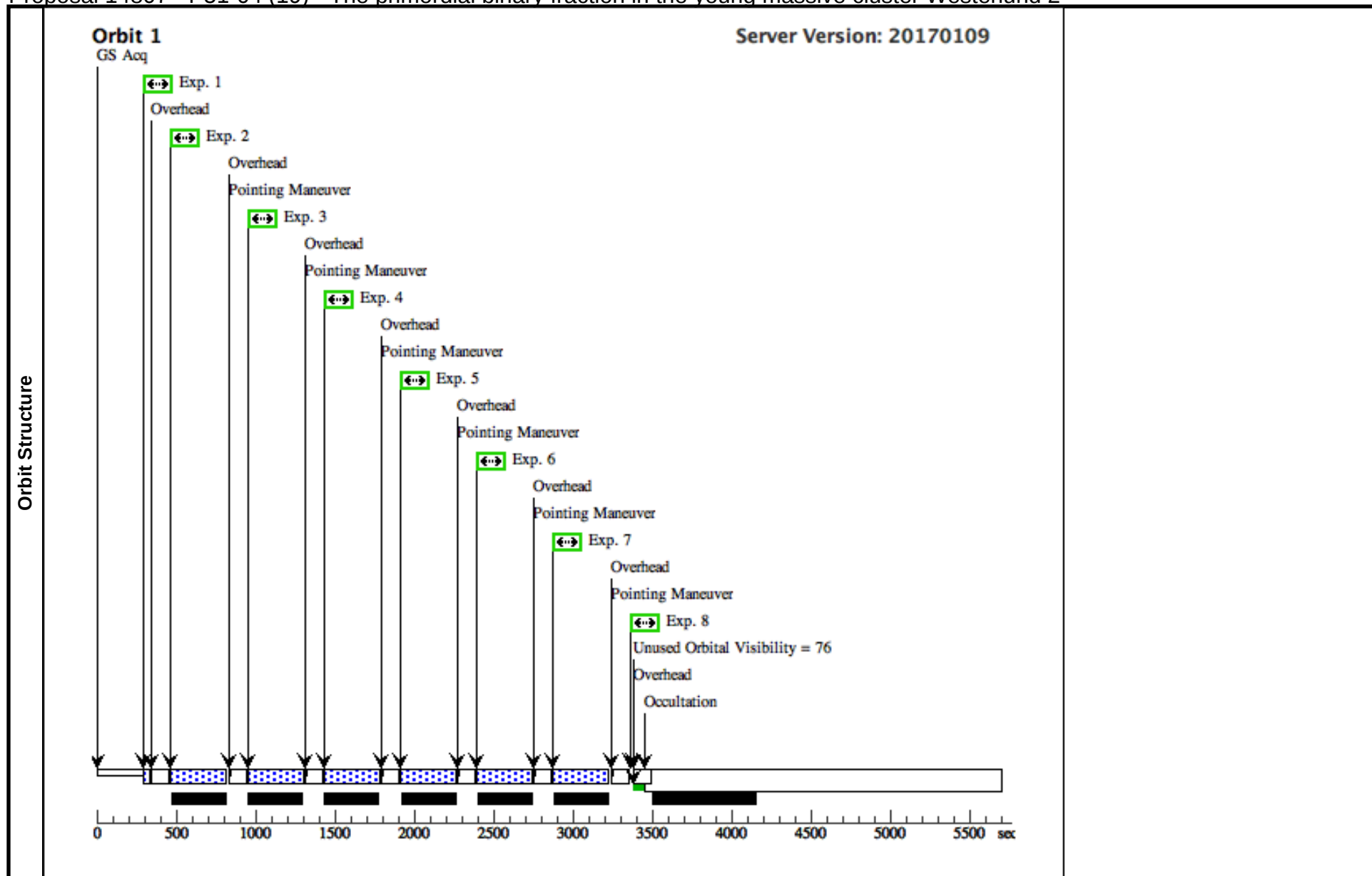
Proposal 14807 - P51-03 (18) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P51-03 (18), completed										Wed Apr 05 01:03:18 GMT 2017
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: AFTER 17 BY 51 D TO 52 D; BEFORE 01-SEP-2017:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000				V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55		3 Secs (3 Secs) [==>]		[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55		350 Secs (350 Secs) [==>]		[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429		350 Secs (350 Secs) [==>]		[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25		350 Secs (350 Secs) [==>]		[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4			350 Secs (350 Secs) [==>]		[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36		350 Secs (350 Secs) [==>]		[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25		350 Secs (350 Secs) [==>]		[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25		3 Secs (3 Secs) [==>]		[1]



Proposal 14807 - P51-04 (19) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P51-04 (19), completed										Wed Apr 05 01:03:18 GMT 2017
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: AFTER 18 BY 51 D TO 52 D; BEFORE 01-SEP-2017:00:00:00										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000				V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55		3 Secs (3 Secs) [==>]		[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55		350 Secs (350 Secs) [==>]		[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429		350 Secs (350 Secs) [==>]		[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25		350 Secs (350 Secs) [==>]		[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4			350 Secs (350 Secs) [==>]		[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36		350 Secs (350 Secs) [==>]		[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25		350 Secs (350 Secs) [==>]		[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25		3 Secs (3 Secs) [==>]		[1]



Proposal 14807 - P51-05 (20) - The primordial binary fraction in the young massive cluster Westerlund 2

Visit	Proposal 14807, P51-05 (20), implementation								Wed Apr 05 01:03:18 GMT 2017	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: AFTER 19 BY 51 D TO 52 D; BEFORE 01-SEP-2017:00:00:00									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	CL-WESTERLUND-2	RA: 10 24 1.6767 (156.0069863d) Dec: -57 45 13.42 (-57.75373d) Equinox: J2000			V=10.5		Reference Frame: SIMBAD		
	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) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P51-05 (20)	3 Secs (3 Secs) [==>]	[1]
	2		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.18,1.5 55	Sequence 1-8 Non-Int in P51-05 (20)	350 Secs (350 Secs) [==>]	[1]
	3		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.292,1.429	Sequence 1-8 Non-Int in P51-05 (20)	350 Secs (350 Secs) [==>]	[1]
	4		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG 0.186,1.25	Sequence 1-8 Non-Int in P51-05 (20)	350 Secs (350 Secs) [==>]	[1]
	5		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4		Sequence 1-8 Non-Int in P51-05 (20)	350 Secs (350 Secs) [==>]	[1]
	6		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.126,0.36	Sequence 1-8 Non-Int in P51-05 (20)	350 Secs (350 Secs) [==>]	[1]
	7		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=4	POS TARG -0.186,-1.25	Sequence 1-8 Non-Int in P51-05 (20)	350 Secs (350 Secs) [==>]	[1]
	8		(1) CL-WESTERLU ND-2	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12; BLADE=A	POS TARG -0.126,-1.25	Sequence 1-8 Non-Int in P51-05 (20)	3 Secs (3 Secs) [==>]	[1]

