



14039 - Broad-band imaging of Westerlund 2

Cycle: 22, Proposal Category: GO/DD

(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	(1) WESTERLUND-2	ACS/WFC	1	07-Nov-2014 21:06:58.0	yes
12	(1) WESTERLUND-2	ACS/WFC	1	07-Nov-2014 21:07:00.0	yes
13	(1) WESTERLUND-2	ACS/WFC	1	07-Nov-2014 21:07:02.0	yes
14	(1) WESTERLUND-2	ACS/WFC	1	07-Nov-2014 21:07:03.0	yes
16	(1) WESTERLUND-2	ACS/WFC	1	07-Nov-2014 21:07:04.0	yes
17	(1) WESTERLUND-2	ACS/WFC	1	07-Nov-2014 21:07:06.0	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>
18	(1) WESTERLUND-2	ACS/WFC	1	07-Nov-2014 21:07:07.0	yes
19	(1) WESTERLUND-2	ACS/WFC	1	07-Nov-2014 21:07:08.0	yes

8 Total Orbits Used

ABSTRACT

We will obtain a large mosaic of Westerlund 2 (Wd2), one of the youngest and most massive clusters in the Milky Way. Wd2 is quite unique, because it is close (8kpc), young (<2Myr), massive (>10⁴ Mo) and not well studied. This program expands upon data obtained in HST program 13038.

OBSERVING DESCRIPTION

We define a "donut" mosaic: a 3x3 mosaic with the central tile removed, since we have existing data from HST program 13038 there. We use the same filter set as 13038, such that a large uniform mosaic can be assembled.

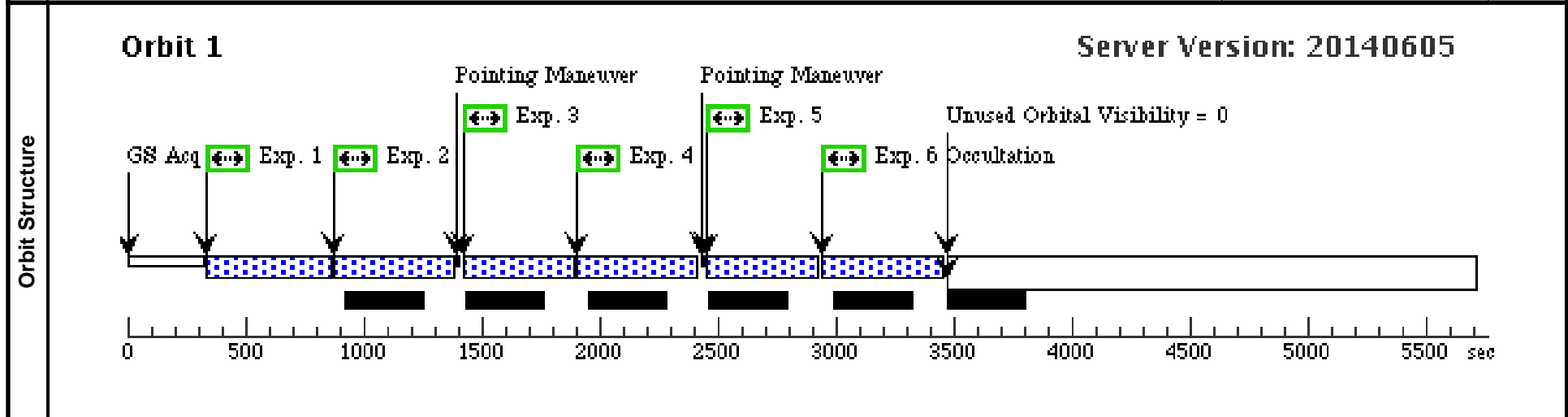
Proposal 14039 - Tile ACS visit (11) - Broad-band imaging of Westerlund 2

Sat Nov 08 02:07:09 GMT 2014

Visit	Proposal 14039, Tile ACS visit (11), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: ORIENT 275D TO 285 D				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WESTERLUND-2	RA: 10 24 5.7288 (156.0238700d) Dec: -57 45 47.34 (-57.76315d) Equinox: J2000		V=10.5	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -172.04 87798960106,-188.8 1396613151477		320 Secs (320 Secs) [==>]	[1]
	2	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -172.04 87798960106,-188.8 1396613151477		348 Secs (348 Secs) [==>]	[1]
	3	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -171.84 87798960106,-186.0 1396613151476		348 Secs (348 Secs) [==>]	[1]
	4	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -171.84 87798960106,-186.0 1396613151476		348 Secs (348 Secs) [==>]	[1]
	5	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -171.64 877989601058,-183. 21396613151478		348 Secs (348 Secs) [==>]	[1]
	6	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -171.64 877989601058,-183. 21396613151478		348 Secs (348 Secs) [==>]	[1]



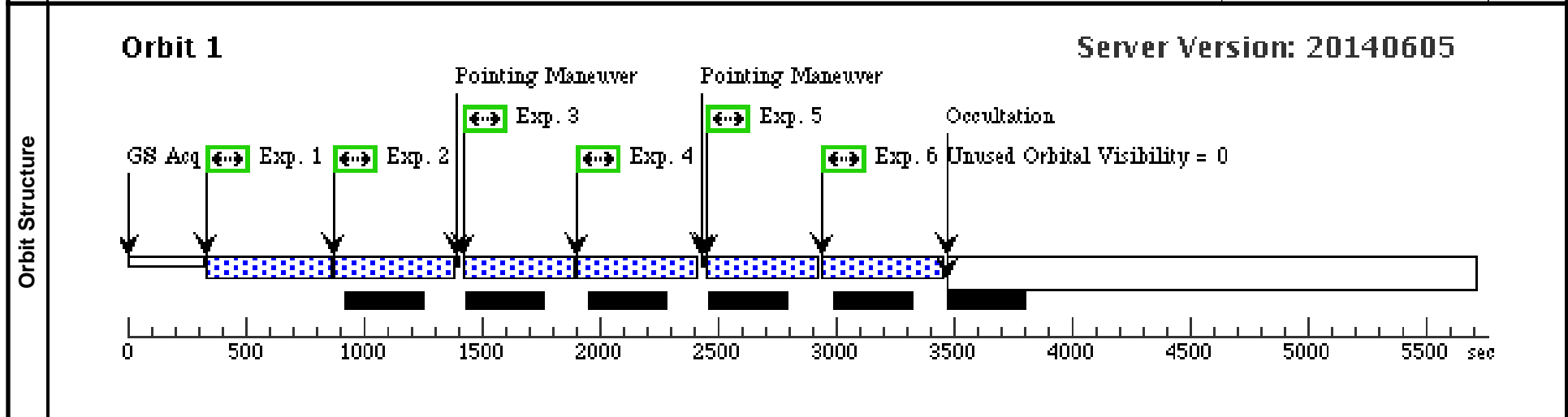
Proposal 14039 - Tile ACS visit (12) - Broad-band imaging of Westerlund 2

Sat Nov 08 02:07:10 GMT 2014

Visit	Proposal 14039, Tile ACS visit (12), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: SAME ORIENT AS 11				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WESTERLUND-2	RA: 10 24 5.7288 (156.0238700d) Dec: -57 45 47.34 (-57.76315d) Equinox: J2000		V=10.5	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 1.54182 22358123046,-176.6 7532874108207		320 Secs (320 Secs) [==>]	[1]
	2		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 1.54182 22358123046,-176.6 7532874108207		348 Secs (348 Secs) [==>]	[1]
	3		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 1.74182 22358123046,-173.8 7532874108206		348 Secs (348 Secs) [==>]	[1]
	4		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 1.74182 22358123046,-173.8 7532874108206		348 Secs (348 Secs) [==>]	[1]
	5		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 1.94182 22358123045,-171.0 7532874108207		348 Secs (348 Secs) [==>]	[1]
	6		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 1.94182 22358123045,-171.0 7532874108207		348 Secs (348 Secs) [==>]	[1]



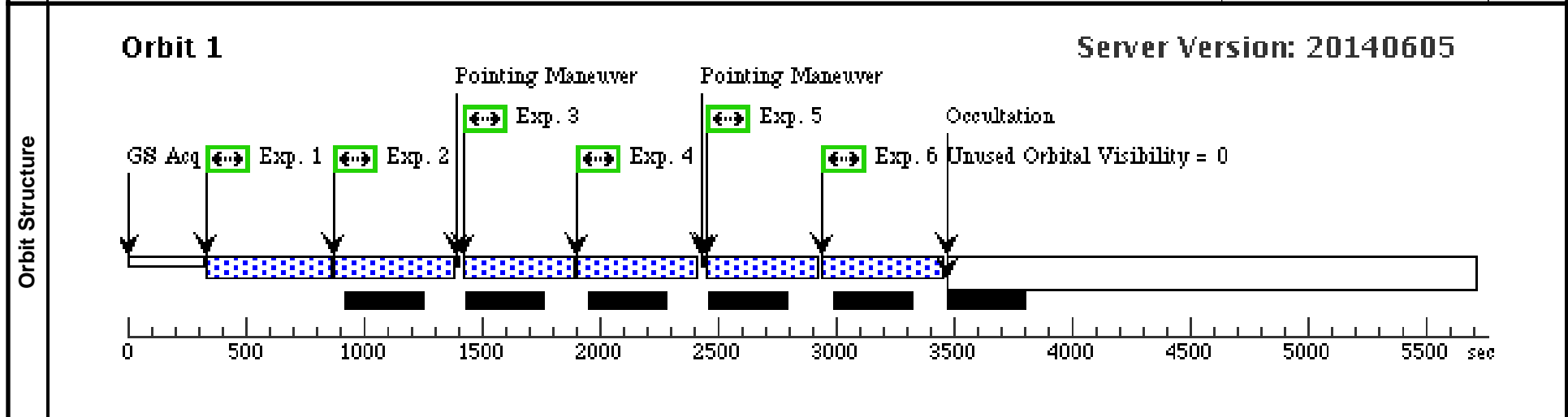
Proposal 14039 - Tile ACS visit (13) - Broad-band imaging of Westerlund 2

Sat Nov 08 02:07:10 GMT 2014

Visit	Proposal 14039, Tile ACS visit (13), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: SAME ORIENT AS 11				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WESTERLUND-2	RA: 10 24 5.7288 (156.0238700d) Dec: -57 45 47.34 (-57.76315d) Equinox: J2000		V=10.5	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 175.132 4243676352,-164.53 669135064936		320 Secs (320 Secs) [==>]	[1]
	2		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 175.132 4243676352,-164.53 669135064936		348 Secs (348 Secs) [==>]	[1]
	3		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 175.332 42436763518,-161.7 3669135064935		348 Secs (348 Secs) [==>]	[1]
	4		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 175.332 42436763518,-161.7 3669135064935		348 Secs (348 Secs) [==>]	[1]
	5		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 175.532 4243676352,-158.93 669135064937		348 Secs (348 Secs) [==>]	[1]
	6		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 175.532 4243676352,-158.93 669135064937		348 Secs (348 Secs) [==>]	[1]



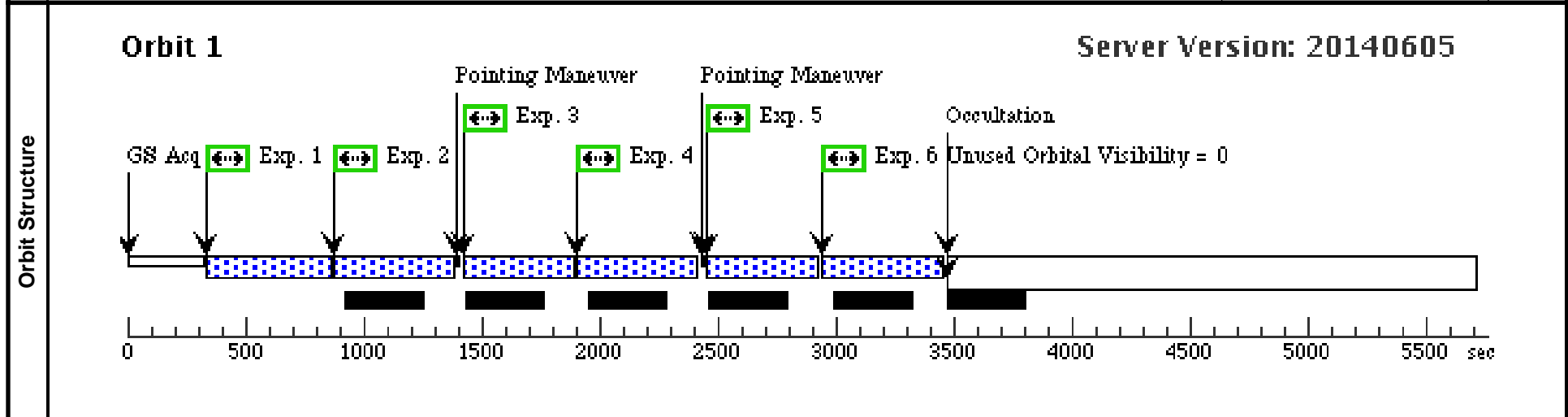
Proposal 14039 - Tile ACS visit (14) - Broad-band imaging of Westerlund 2

Sat Nov 08 02:07:10 GMT 2014

Visit	Proposal 14039, Tile ACS visit (14), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: SAME ORIENT AS 11				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WESTERLUND-2	RA: 10 24 5.7288 (156.0238700d) Dec: -57 45 47.34 (-57.76315d) Equinox: J2000		V=10.5	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -173.59 060213182286,-12.1 38637390432706		320 Secs (320 Secs) [==>]	[1]
	2		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -173.59 060213182286,-12.1 38637390432706		348 Secs (348 Secs) [==>]	[1]
	3		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -173.39 060213182287,-9.33 8637390432705		348 Secs (348 Secs) [==>]	[1]
	4		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -173.39 060213182287,-9.33 8637390432705		348 Secs (348 Secs) [==>]	[1]
	5		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -173.19 060213182286,-6.53 8637390432706		348 Secs (348 Secs) [==>]	[1]
	6		(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -173.19 060213182286,-6.53 8637390432706		348 Secs (348 Secs) [==>]	[1]



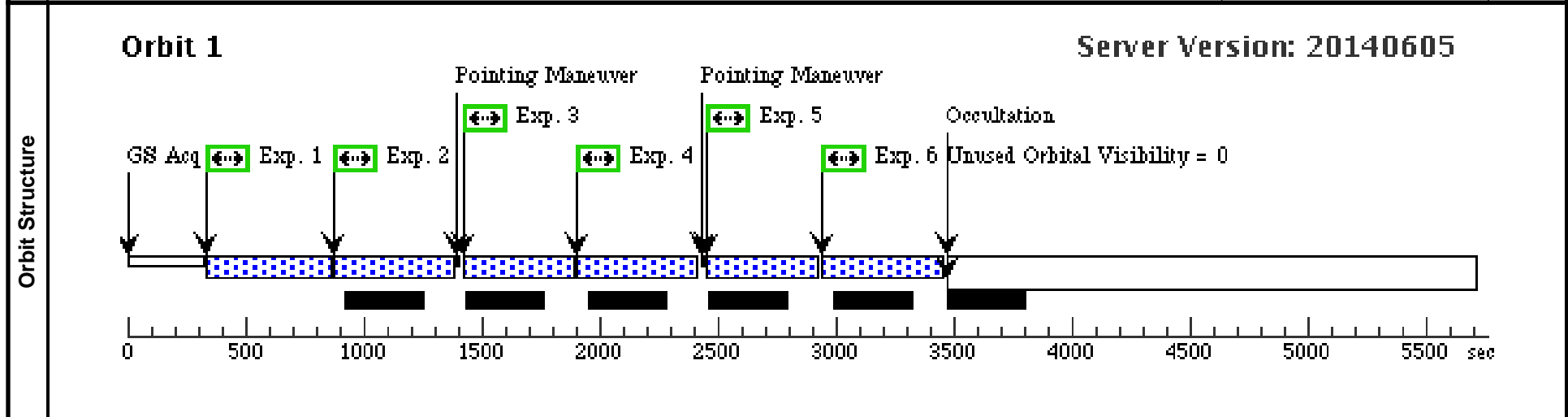
Proposal 14039 - Tile ACS visit (16) - Broad-band imaging of Westerlund 2

Sat Nov 08 02:07:10 GMT 2014

Visit	Proposal 14039, Tile ACS visit (16), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: SAME ORIENT AS 11				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WESTERLUND-2	RA: 10 24 5.7288 (156.0238700d) Dec: -57 45 47.34 (-57.76315d) Equinox: J2000		V=10.5	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) WESTERLUND- 2	(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 173.590 60213182292,12.138 637390432727		320 Secs (320 Secs) [==>]	[1]
	2	(1) WESTERLUND- 2	(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 173.590 60213182292,12.138 637390432727		348 Secs (348 Secs) [==>]	[1]
	3	(1) WESTERLUND- 2	(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 173.790 6021318229,14.9386 37390432728		348 Secs (348 Secs) [==>]	[1]
	4	(1) WESTERLUND- 2	(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 173.790 6021318229,14.9386 37390432728		348 Secs (348 Secs) [==>]	[1]
	5	(1) WESTERLUND- 2	(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 173.990 60213182293,17.738 63739043273		348 Secs (348 Secs) [==>]	[1]
	6	(1) WESTERLUND- 2	(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 173.990 60213182293,17.738 63739043273		348 Secs (348 Secs) [==>]	[1]



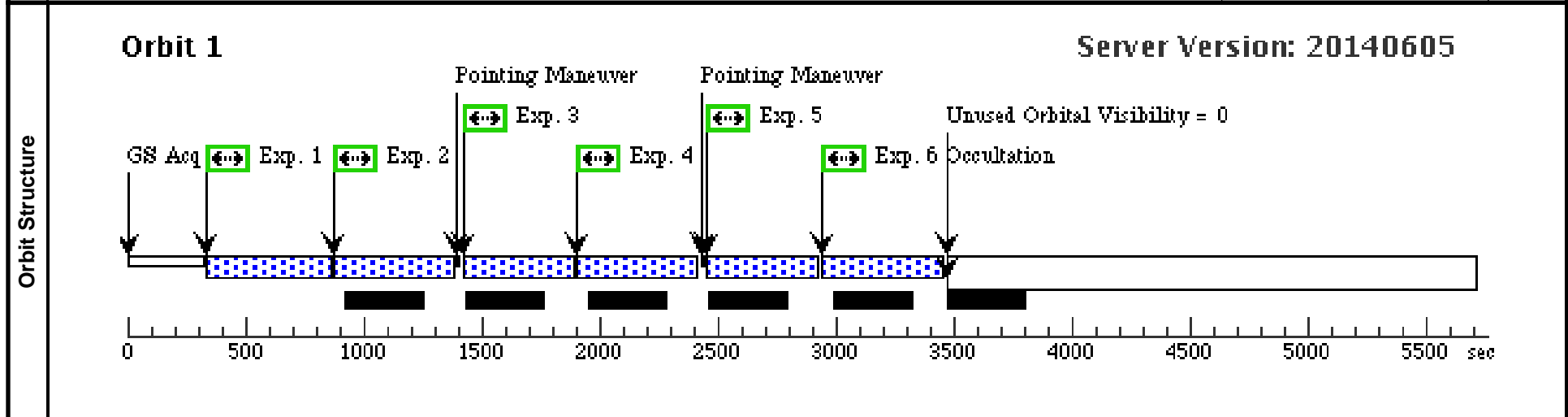
Proposal 14039 - Tile ACS visit (17) - Broad-band imaging of Westerlund 2

Sat Nov 08 02:07:10 GMT 2014

Visit	Proposal 14039, Tile ACS visit (17), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: SAME ORIENT AS 11				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WESTERLUND-2	RA: 10 24 5.7288 (156.0238700d) Dec: -57 45 47.34 (-57.76315d) Equinox: J2000		V=10.5	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -175.13 242436763514,164.5 3669135064936		320 Secs (320 Secs) [==>]	[1]
	2	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -175.13 242436763514,164.5 3669135064936		348 Secs (348 Secs) [==>]	[1]
	3	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -174.93 242436763515,167.3 3669135064937		348 Secs (348 Secs) [==>]	[1]
	4	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -174.93 242436763515,167.3 3669135064937		348 Secs (348 Secs) [==>]	[1]
	5	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -174.73 242436763513,170.1 3669135064936		348 Secs (348 Secs) [==>]	[1]
	6	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -174.73 242436763513,170.1 3669135064936		348 Secs (348 Secs) [==>]	[1]



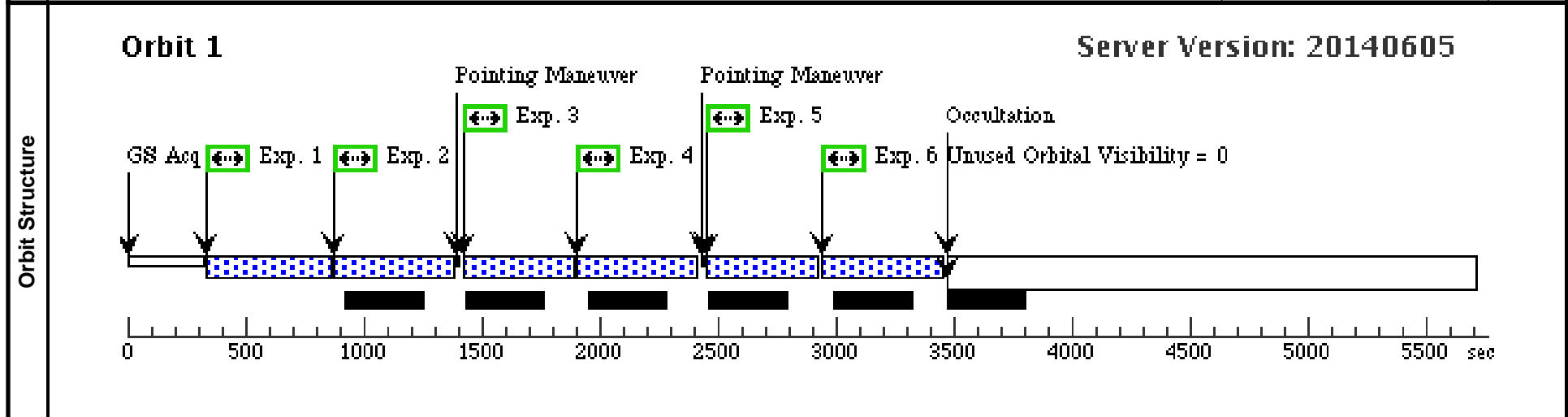
Proposal 14039 - Tile ACS visit (18) - Broad-band imaging of Westerlund 2

Sat Nov 08 02:07:10 GMT 2014

Visit	Proposal 14039, Tile ACS visit (18), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: SAME ORIENT AS 11				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WESTERLUND-2	RA: 10 24 5.7288 (156.0238700d) Dec: -57 45 47.34 (-57.76315d) Equinox: J2000		V=10.5	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -1.5418 222358122478,176.6 7532874108207		320 Secs (320 Secs) [==>]	[1]
	2	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -1.5418 222358122478,176.6 7532874108207		348 Secs (348 Secs) [==>]	[1]
	3	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -1.3418 222358122478,179.4 7532874108208		348 Secs (348 Secs) [==>]	[1]
	4	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -1.3418 222358122478,179.4 7532874108208		348 Secs (348 Secs) [==>]	[1]
	5	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG -1.1418 222358122478,182.2 7532874108206		348 Secs (348 Secs) [==>]	[1]
	6	(1) WESTERLUND-2	(1) WESTERLUND-2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG -1.1418 222358122478,182.2 7532874108206		348 Secs (348 Secs) [==>]	[1]



Proposal 14039 - Tile ACS visit (19) - Broad-band imaging of Westerlund 2

Sat Nov 08 02:07:10 GMT 2014

Visit	Proposal 14039, Tile ACS visit (19), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: SAME ORIENT AS 11				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WESTERLUND-2	RA: 10 24 5.7288 (156.0238700d) Dec: -57 45 47.34 (-57.76315d) Equinox: J2000		V=10.5	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 172.048 77989601064,188.81 396613151477		320 Secs (320 Secs) [==>]	[1]
	2		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 172.048 77989601064,188.81 396613151477		348 Secs (348 Secs) [==>]	[1]
	3		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 172.248 77989601063,191.61 39661315148		348 Secs (348 Secs) [==>]	[1]
	4		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 172.248 77989601063,191.61 39661315148		348 Secs (348 Secs) [==>]	[1]
	5		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 172.448 77989601065,194.41 396613151477		348 Secs (348 Secs) [==>]	[1]
	6		(1) WESTERLUND- 2	ACS/WFC, ACCUM, WFCENTER	F555W		POS TARG 172.448 77989601065,194.41 396613151477		348 Secs (348 Secs) [==>]	[1]

