



15649 - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Cycle: 26, Proposal Category: GO

(UV Initiative)

(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) HARO-11	WFC3/UVIS	3	25-Jan-2019 10:00:50.0	yes
02	(1) HARO-11	WFC3/IR	1	25-Jan-2019 10:00:51.0	yes
03	(2) MCG+12-02-001	WFC3/UVIS	2	25-Jan-2019 10:00:53.0	yes
04	(2) MCG+12-02-001	WFC3/IR	1	25-Jan-2019 10:00:54.0	yes
05	(3) IC-1623	WFC3/UVIS	2	25-Jan-2019 10:00:55.0	yes
06	(3) IC-1623	WFC3/IR	1	25-Jan-2019 10:00:56.0	yes
07	(4) NGC-1614	WFC3/UVIS	1	25-Jan-2019 10:00:57.0	yes
08	(4) NGC-1614	WFC3/IR	1	25-Jan-2019 10:00:57.0	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>
09	(5) NGC-2623	WFC3/UVIS	1	25-Jan-2019 10:00:58.0	yes
10	(5) NGC-2623	WFC3/IR	1	25-Jan-2019 10:00:59.0	yes
11	(6) NGC-3256	WFC3/UVIS	1	25-Jan-2019 10:00:59.0	yes
12	(6) NGC-3256	WFC3/IR	1	25-Jan-2019 10:01:00.0	yes
13	(7) NGC3690	WFC3/UVIS	1	25-Jan-2019 10:01:01.0	yes
14	(7) NGC3690	WFC3/IR	1	25-Jan-2019 10:01:01.0	yes
15	(11) ARP220	WFC3/UVIS	2	25-Jan-2019 10:01:03.0	yes
16	(11) ARP220	WFC3/IR	1	25-Jan-2019 10:01:04.0	yes
17	(12) IC4687-UVIS	WFC3/UVIS	2	25-Jan-2019 10:01:05.0	yes
18	(14) IC4687-IR	WFC3/IR	1	25-Jan-2019 10:01:06.0	yes
19	(8) ESO338-IG04	WFC3/UVIS	2	25-Jan-2019 10:01:07.0	yes
20	(8) ESO338-IG04	WFC3/IR	1	25-Jan-2019 10:01:09.0	yes
21	(9) ESO185-IG13	WFC3/UVIS	4	25-Jan-2019 10:01:11.0	yes
22	(9) ESO185-IG13	WFC3/IR	1	25-Jan-2019 10:01:12.0	yes
23	(13) ARP298-UVIS	WFC3/UVIS	2	25-Jan-2019 10:01:13.0	yes
24	(16) ARP298-IR	WFC3/IR	1	25-Jan-2019 10:01:14.0	yes
25	(10) MRK331-UVIS	WFC3/UVIS	2	25-Jan-2019 10:01:15.0	yes
26	(15) MRK331-IR	WFC3/IR	1	25-Jan-2019 10:01:16.0	yes

38 Total Orbits Used

ABSTRACT

We propose to complete multi-wavelength broad- and narrow-band imaging, from the ultraviolet through the near-infrared, of a sample of 13 of the most extreme star-forming galaxies found in the nearby ($D < 100$ Mpc) universe. These include massive and dwarf, interacting and isolated, dusty and nearly dust-free galaxies. The intense star formation in these galaxies can result in the formation of extremely massive young star clusters, in excess of a million solar masses, similar to the most massive known ancient globular clusters and 1-2 orders of magnitude more massive than any young cluster found in nearby quiescent/normal star-forming galaxies. The properties of clusters and larger scale star-forming clumps in intense star-

forming environments are required to address a number of outstanding issues, including whether the fraction of stars in bound clusters or the upper cutoff in cluster mass functions increases with star formation intensity, and how long the clumps survive. Our results will differentiate between various assumptions and prescriptions for feedback used in the current generation of cosmological hydrodynamic simulations. The multi-wavelength observations will allow us to constrain dust geometry, and begin to peer through the dust to discover some of the clusters obscured at UV and optical wavelengths, work that will be completed by JWST. A similar suite of benchmark HST observations of normal, nearby galaxies already exists as part of the LEGUS project, and will be used as a reference to quantify the extreme star formation in our sample.

OBSERVING DESCRIPTION

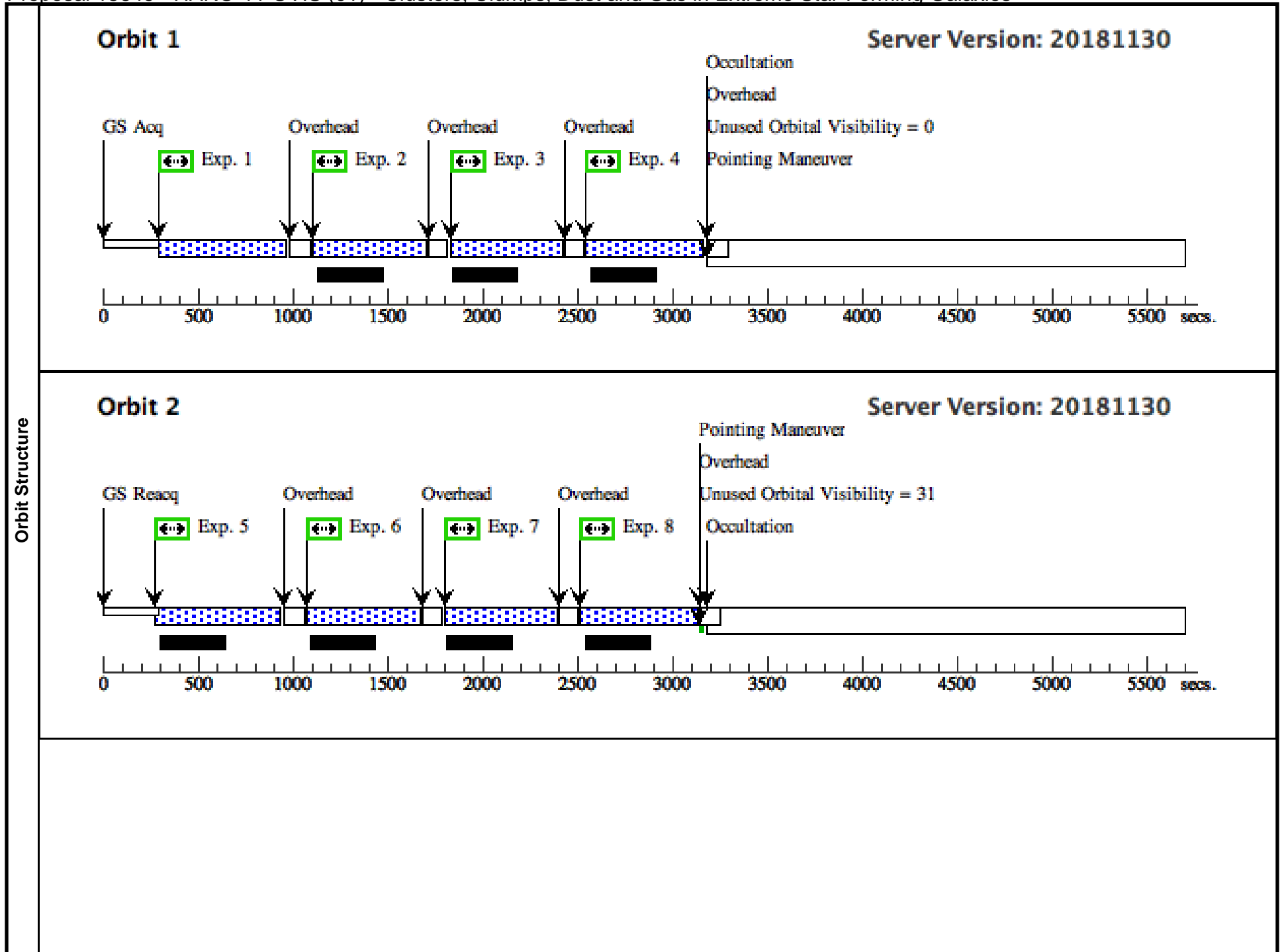
We are observing 13 high star-forming galaxies, including mergers, ULIRGs, and blue compact dwarfs. These have distances between ~40 and 100 Mpc. We observed each galaxy in the UVIS-F275W filter and the IR-F160W filter, and include additional B, V, I, Halpha, and PaB filters if they are not available in the archive.

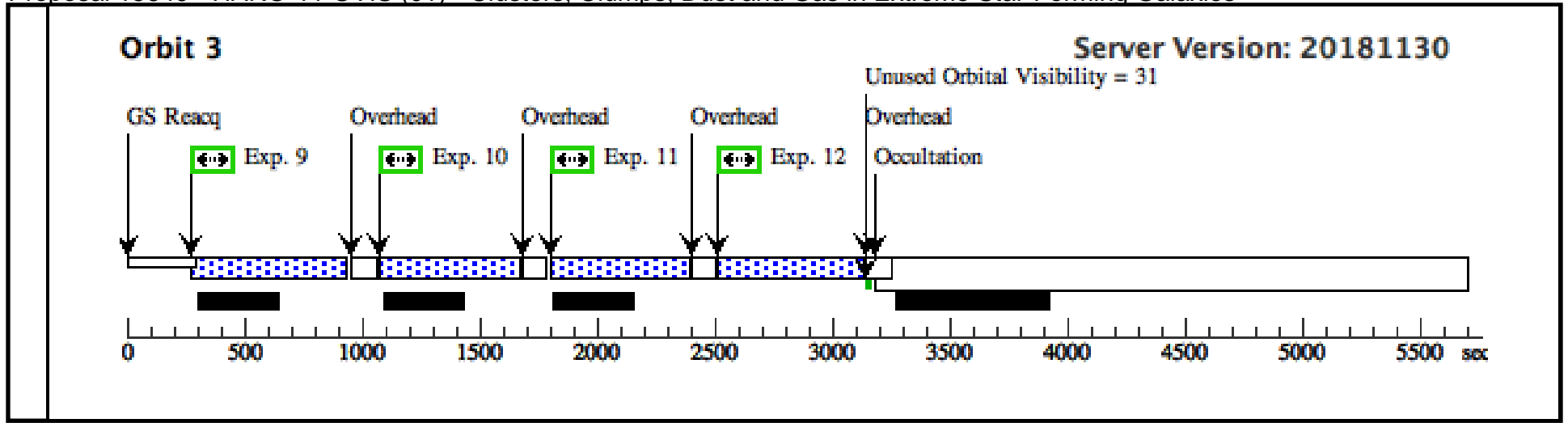
In a few cases, we include weak orientation constraints in order to fit the tidal tails in the smaller IR detector.

Proposal 15649 - HARO-11-UVIS (01) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:17 GMT 2019

Visit	Proposal 15649, HARO-11-UVIS (01), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	HARO-11	RA: 00 36 52.7000 (9.2195833d) Dec: -33 33 17.00 (-33.55472d) Equinox: J2000		V=14.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			640 Secs (640 Secs)	[1]
	2	F814W-1	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				580 Secs (580 Secs)	[1]
	3	F555W-1	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				580 Secs (580 Secs)	[1]
	4	F665W-1	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12			600 Secs (600 Secs)	[1]
	5	F275W-2	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.092,1.298		640 Secs (640 Secs)	[2]
	6	F814W-2	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 0.092,1.298		580 Secs (580 Secs)	[2]
	7	F555W-2	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.092,1.298		580 Secs (580 Secs)	[2]
	8	F665W-2	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.092,1.298		600 Secs (600 Secs)	[2]
	9	F275W-3	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.185,2.497		640 Secs (640 Secs)	[3]
	10	F814W-3	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 0.185,2.497		580 Secs (580 Secs)	[3]
	11	F555W-3	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.185,2.497		580 Secs (580 Secs)	[3]
	12	F665W-3	(1) HARO-11	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.185,2.497		600 Secs (600 Secs)	[3]

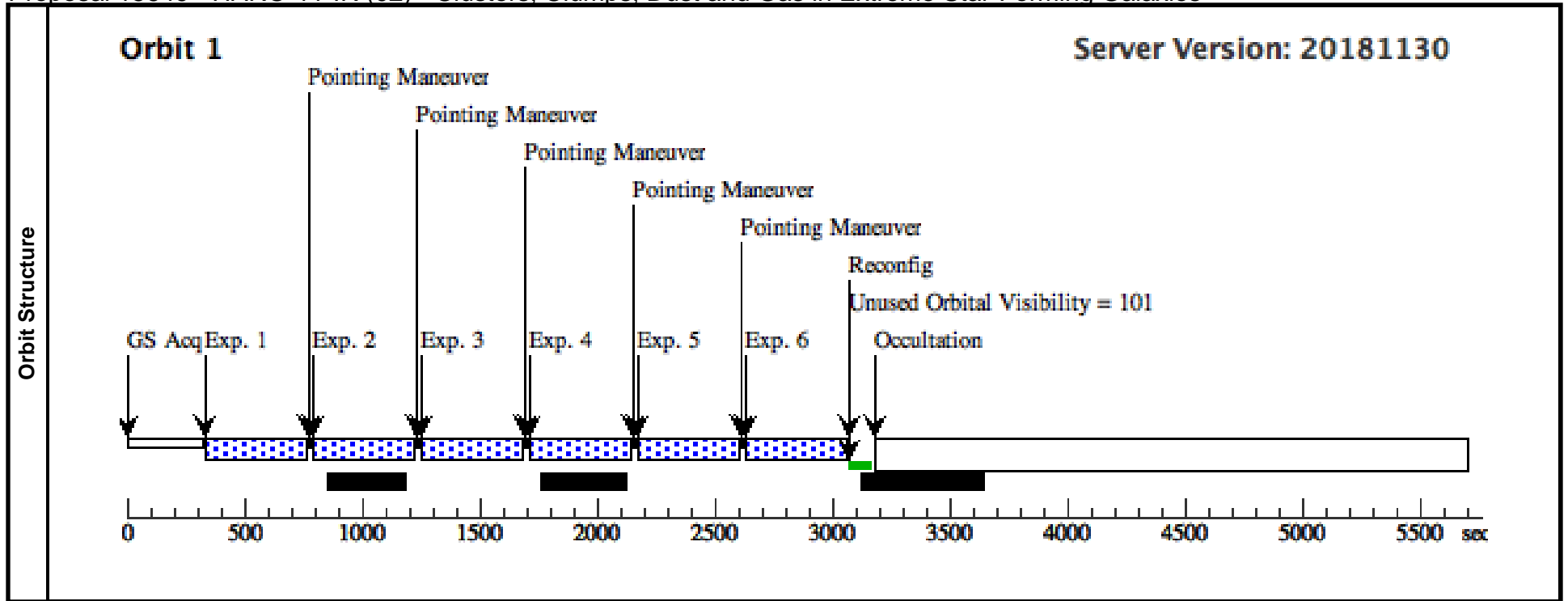




Proposal 15649 - HARO-11-IR (02) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:17 GMT 2019

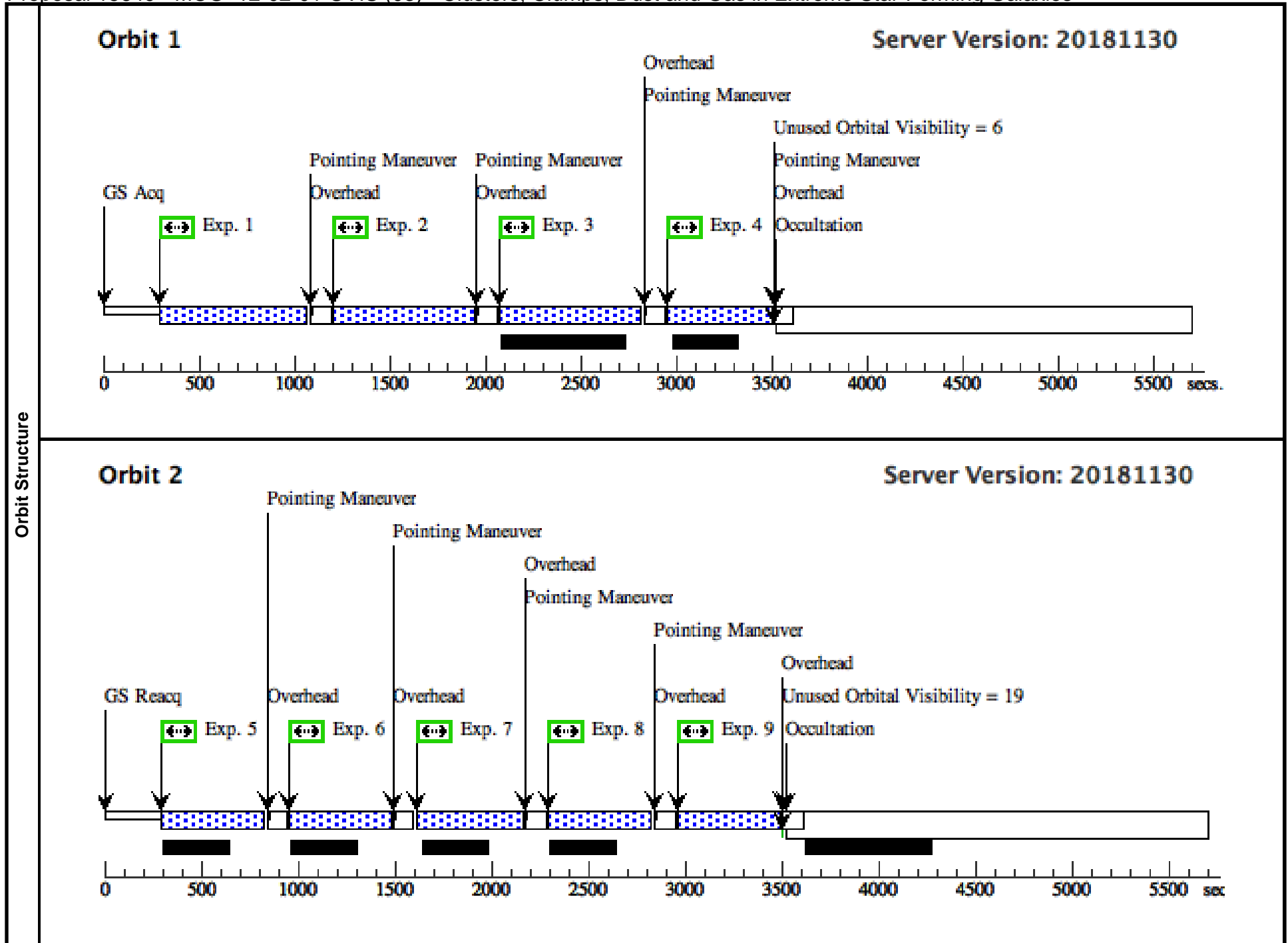
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	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F130N-1	(1) HARO-11	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.0,0.0		399.231067 Secs (399.231 Secs) [==>]	[1]
	2	F130N-2	(1) HARO-11	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.474,0. 424		399.231067 Secs (399.231 Secs) [==>]	[1]
	3	F160W-1	(1) HARO-11	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9			399.231067 Secs (399.231 Secs) [==>]	[1]
	4	F160W-2	(1) HARO-11	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.542,0. 182		399.231067 Secs (399.231 Secs) [==>]	[1]
	5	F160W-3	(1) HARO-11	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.339,0. 485		399.231067 Secs (399.231 Secs) [==>]	[1]
	6	F160W-4	(1) HARO-11	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG -0.203,0 .303		399.231067 Secs (399.231 Secs) [==>]	[1]



Proposal 15649 - MCG+12-02-01-UVIS (03) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

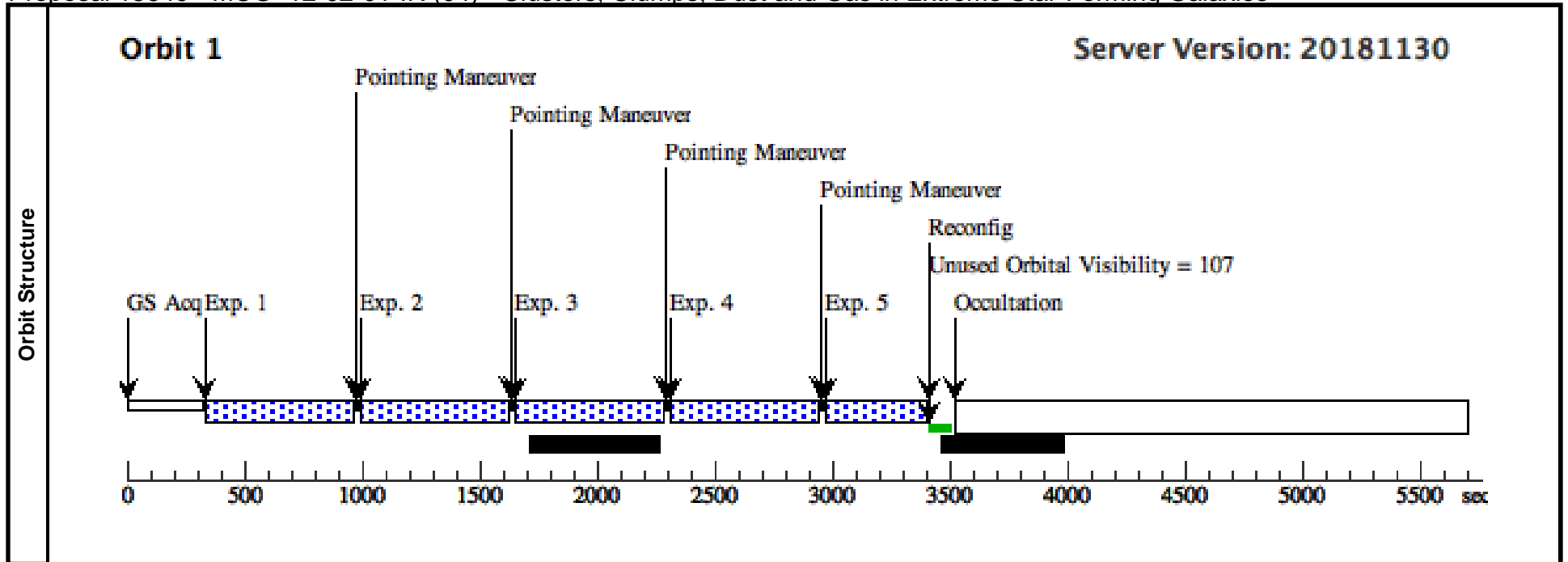
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Visit	Proposal 15649, MCG+12-02-01-UVIS (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	MCG+12-02-001	RA: 00 54 3.6100 (13.5150417d) Dec: +73 05 11.80 (73.08661d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			740 Secs (740 Secs)	
									[==>]	[1]
	2	F275W-2	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.092,1.298		740 Secs (740 Secs)	
									[==>]	[1]
	3	F275W-3	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.185,2.497		740 Secs (740 Secs)	
									[==>]	[1]
	4	F555W-1	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				530 Secs (530 Secs)	
									[==>]	[1]
	5	F555W-2	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.092,1.298		530 Secs (530 Secs)	
								[==>]	[2]	
6	F555W-3	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.185,2.497		530 Secs (530 Secs)		
								[==>]	[2]	
7	F665W-1	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12			530 Secs (530 Secs)		
								[==>]	[2]	
8	F665W-2	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.092,1.298		530 Secs (530 Secs)		
								[==>]	[2]	
9	F665W-3	(2) MCG+12-02-001	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.185,2.497		530 Secs (530 Secs)		
								[==>]	[2]	



Proposal 15649 - MCG+12-02-01-IR (04) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

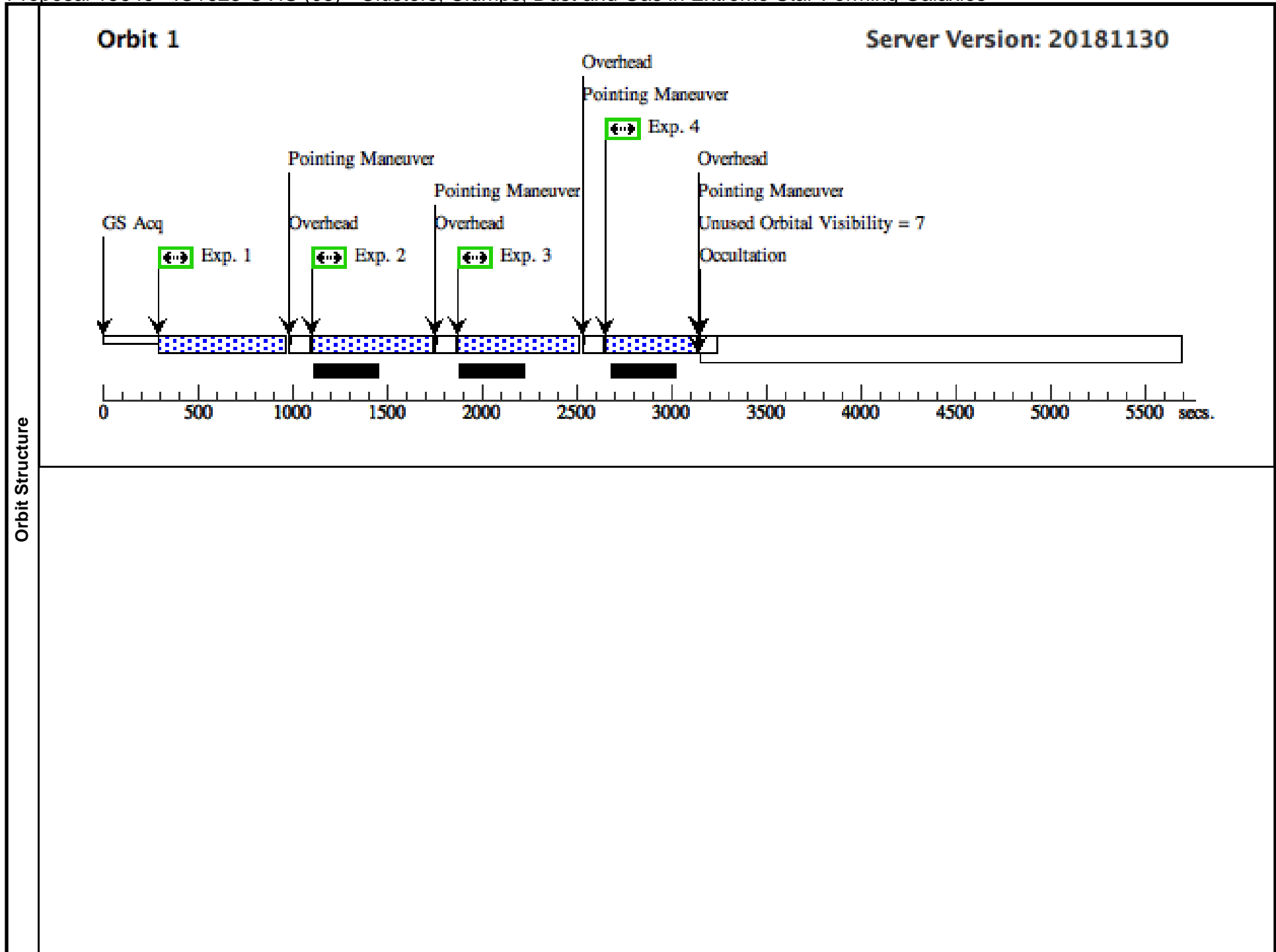
Visit	Proposal 15649, MCG+12-02-01-IR (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Fri Jan 25 15:01:17 GMT 2019												
	Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>MCG+12-02-001</td> <td>RA: 00 54 3.6100 (13.5150417d) Dec: +73 05 11.80 (73.08661d) Equinox: J2000</td> <td></td> <td>V=14.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[STARBURST]</p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	MCG+12-02-001	RA: 00 54 3.6100 (13.5150417d) Dec: +73 05 11.80 (73.08661d) Equinox: J2000		V=14.0	Reference Frame: ICRS
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous												
(2)	MCG+12-02-001	RA: 00 54 3.6100 (13.5150417d) Dec: +73 05 11.80 (73.08661d) Equinox: J2000		V=14.0	Reference Frame: ICRS													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit								
	1	F160W-1	(2) MCG+12-02-001	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10			599.231134 Secs (599.231 Secs) [==>]	[1]								
	2	F160W-2	(2) MCG+12-02-001	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.542,0. 182		599.231134 Secs (599.231 Secs) [==>]	[1]								
	3	F160W-3	(2) MCG+12-02-001	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.339,0. 485		599.231134 Secs (599.231 Secs) [==>]	[1]								
	4	F160W-4	(2) MCG+12-02-001	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG -0.203,0 .303		599.231134 Secs (599.231 Secs) [==>]	[1]								
	5	F160W-1-S	(2) MCG+12-02-001	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP4 00; NSAMP=9			399.231067 Secs (399.231 Secs) [==>]	[1]								



Proposal 15649 - IC1623-UVIS (05) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

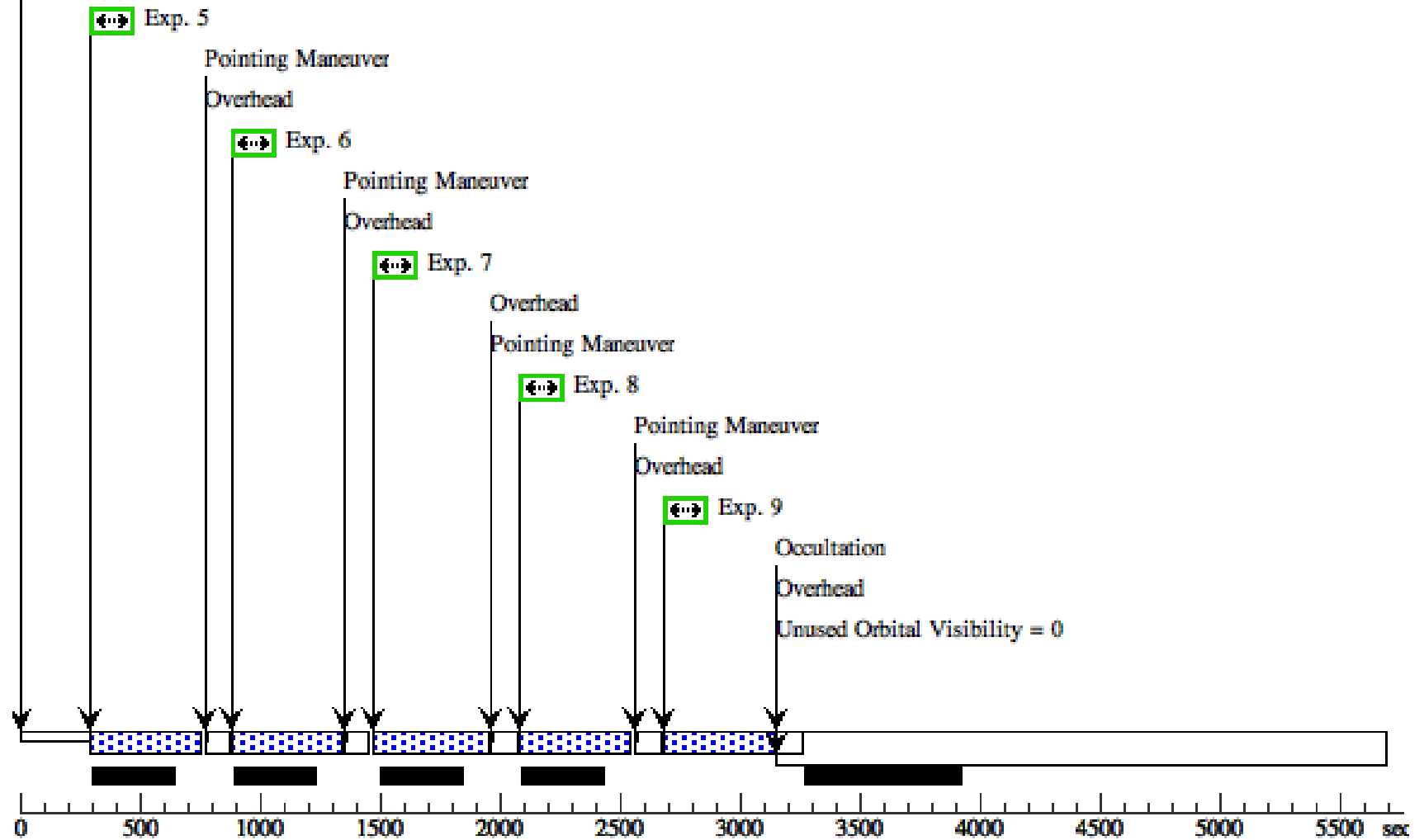
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Visit	Proposal 15649, IC1623-UVIS (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)																																																																																																													
	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>(3)</td> <td>IC-1623</td> <td>RA: 01 07 47.2000 (16.9466667d) Dec: -17 30 25.00 (-17.50694d) Equinox: J2000</td> <td></td> <td>V=14.0</td> <td>Reference Frame: SIMBAD</td> </tr> <tr> <td colspan="6"> <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=GALAXY</i> <i>Description=[STARBURST]</i> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	IC-1623	RA: 01 07 47.2000 (16.9466667d) Dec: -17 30 25.00 (-17.50694d) Equinox: J2000		V=14.0	Reference Frame: SIMBAD	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=GALAXY</i> <i>Description=[STARBURST]</i>																																																																																						
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(3)	IC-1623	RA: 01 07 47.2000 (16.9466667d) Dec: -17 30 25.00 (-17.50694d) Equinox: J2000		V=14.0	Reference Frame: SIMBAD																																																																																																									
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=GALAXY</i> <i>Description=[STARBURST]</i>																																																																																																														
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 (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F275W-1</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F275W</td> <td>FLASH=12</td> <td></td> <td></td> <td>640 Secs (640 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>F275W-2</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F275W</td> <td>FLASH=12</td> <td>POS TARG 0.092,1.298</td> <td></td> <td>640 Secs (640 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>F275W-3</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F275W</td> <td>FLASH=12</td> <td>POS TARG 0.185,2.497</td> <td></td> <td>640 Secs (640 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>F555W-1</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F555W</td> <td></td> <td></td> <td></td> <td>460 Secs (460 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>F555W-2</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F555W</td> <td></td> <td>POS TARG 0.092,1.298</td> <td></td> <td>460 Secs (460 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>6</td> <td>F555W-3</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F555W</td> <td></td> <td>POS TARG 0.185,2.497</td> <td></td> <td>460 Secs (460 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>7</td> <td>F665W-1</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F665N</td> <td>FLASH=12</td> <td></td> <td></td> <td>460 Secs (460 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>8</td> <td>F665W-2</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F665N</td> <td>FLASH=12</td> <td>POS TARG 0.092,1.298</td> <td></td> <td>460 Secs (460 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>9</td> <td>F665W-3</td> <td>(3) IC-1623</td> <td>WFC3/UVIS, ACCUM, UVIS-CENTER</td> <td>F665N</td> <td>FLASH=12</td> <td>POS TARG 0.185,2.497</td> <td></td> <td>460 Secs (460 Secs) [==>]</td> <td>[2]</td> </tr> </tbody> </table>										#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	F275W-1	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			640 Secs (640 Secs) [==>]	[1]	2	F275W-2	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.092,1.298		640 Secs (640 Secs) [==>]	[1]	3	F275W-3	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.185,2.497		640 Secs (640 Secs) [==>]	[1]	4	F555W-1	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				460 Secs (460 Secs) [==>]	[1]	5	F555W-2	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.092,1.298		460 Secs (460 Secs) [==>]	[2]	6	F555W-3	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.185,2.497		460 Secs (460 Secs) [==>]	[2]	7	F665W-1	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12			460 Secs (460 Secs) [==>]	[2]	8	F665W-2	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.092,1.298		460 Secs (460 Secs) [==>]	[2]	9	F665W-3	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.185,2.497		460 Secs (460 Secs) [==>]	[2]
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																																																																					
1	F275W-1	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			640 Secs (640 Secs) [==>]	[1]																																																																																																					
2	F275W-2	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.092,1.298		640 Secs (640 Secs) [==>]	[1]																																																																																																					
3	F275W-3	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.185,2.497		640 Secs (640 Secs) [==>]	[1]																																																																																																					
4	F555W-1	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				460 Secs (460 Secs) [==>]	[1]																																																																																																					
5	F555W-2	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.092,1.298		460 Secs (460 Secs) [==>]	[2]																																																																																																					
6	F555W-3	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.185,2.497		460 Secs (460 Secs) [==>]	[2]																																																																																																					
7	F665W-1	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12			460 Secs (460 Secs) [==>]	[2]																																																																																																					
8	F665W-2	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.092,1.298		460 Secs (460 Secs) [==>]	[2]																																																																																																					
9	F665W-3	(3) IC-1623	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.185,2.497		460 Secs (460 Secs) [==>]	[2]																																																																																																					



Orbit 2

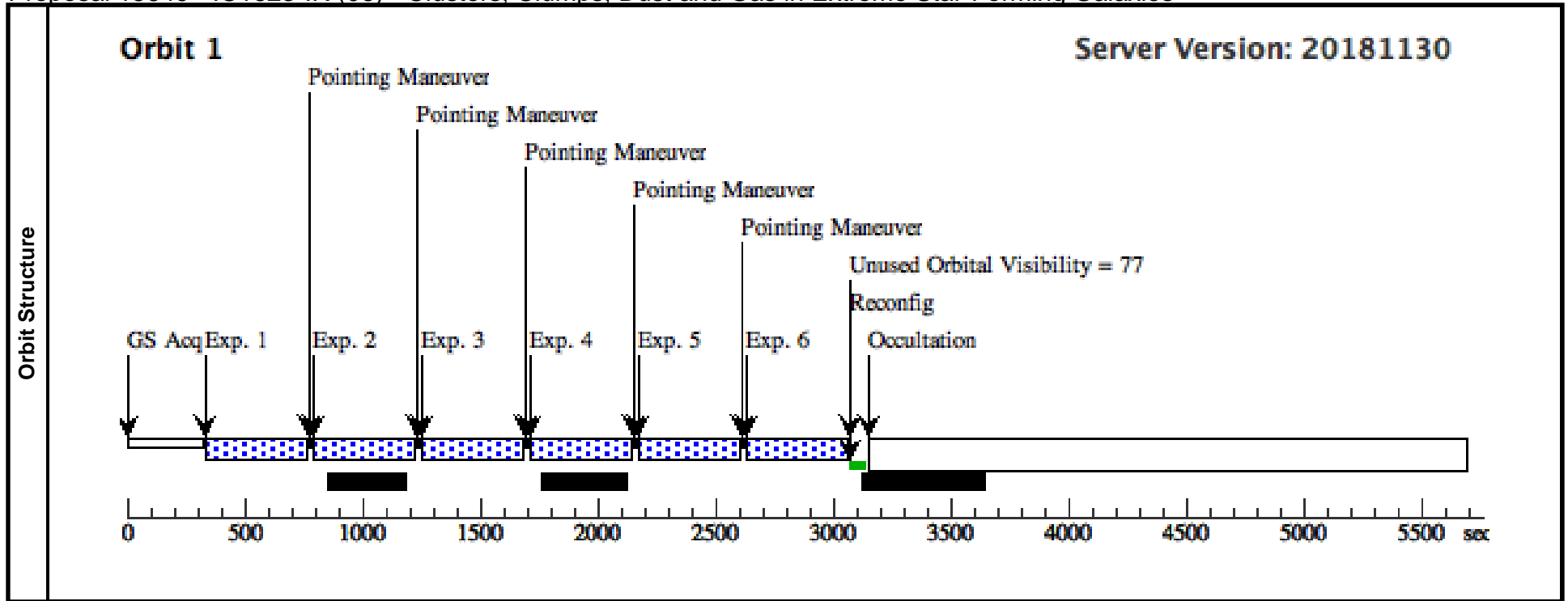
GS Reacq



Proposal 15649 - IC1623-IR (06) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, IC1623-IR (06), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Fixed Targets	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (3) IC-1623 RA: 01 07 47.2000 (16.9466667d) Dec: -17 30 25.00 (-17.50694d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F130N-1	(3) IC-1623	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.0,0.0		399.231067 Secs (399.231 Secs) [==>]	[1]
	2	F130N-2	(3) IC-1623	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.474,0. 424		399.231067 Secs (399.231 Secs) [==>]	[1]
	3	F160W-1	(3) IC-1623	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9			399.231067 Secs (399.231 Secs) [==>]	[1]
	4	F160W-2	(3) IC-1623	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.542,0. 182		399.231067 Secs (399.231 Secs) [==>]	[1]
	5	F160W-3	(3) IC-1623	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.339,0. 485		399.231067 Secs (399.231 Secs) [==>]	[1]
	6	F160W-4	(3) IC-1623	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG -0.203,0 .303		399.231067 Secs (399.231 Secs) [==>]	[1]



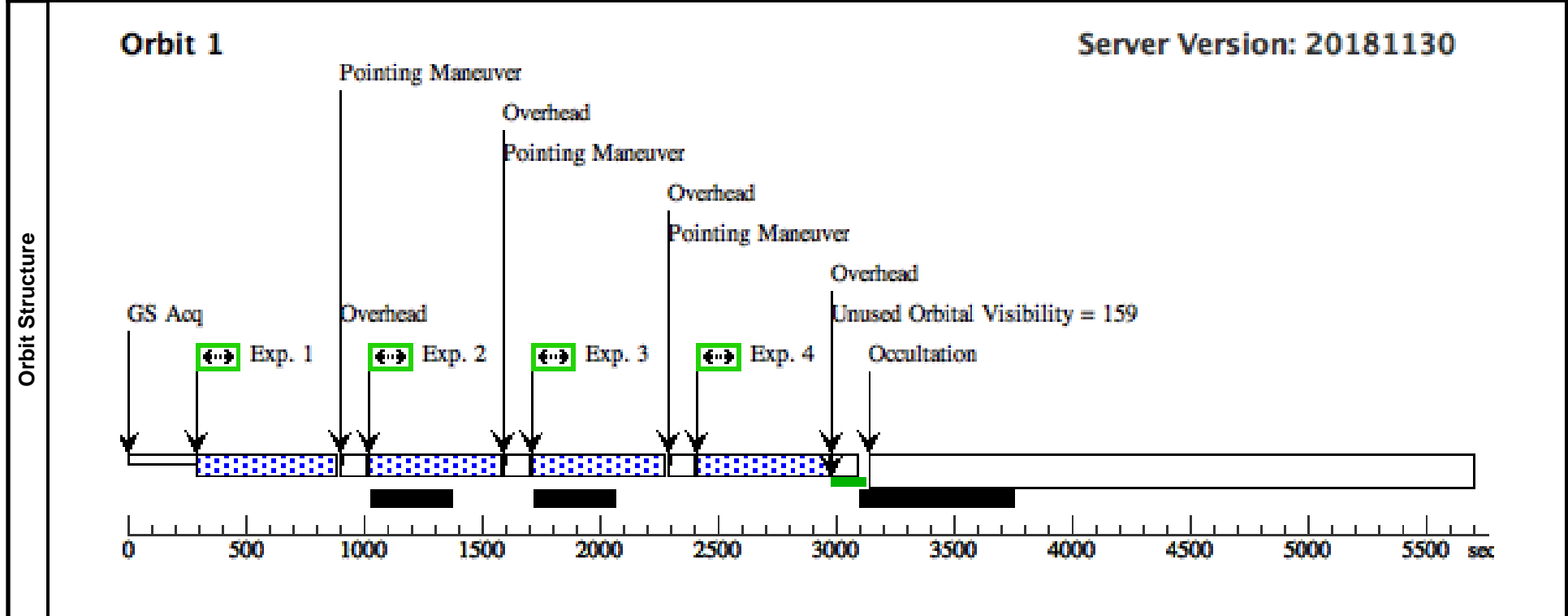
Proposal 15649 - NGC1614-UVIS (07) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, NGC1614-UVIS (07), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	NGC-1614	RA: 04 34 0.0270 (68.5001125d) Dec: -08 34 44.57 (-8.57905d) Equinox: J2000		V=13.99	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	Category=GALAXY Description=[STARBURST]					

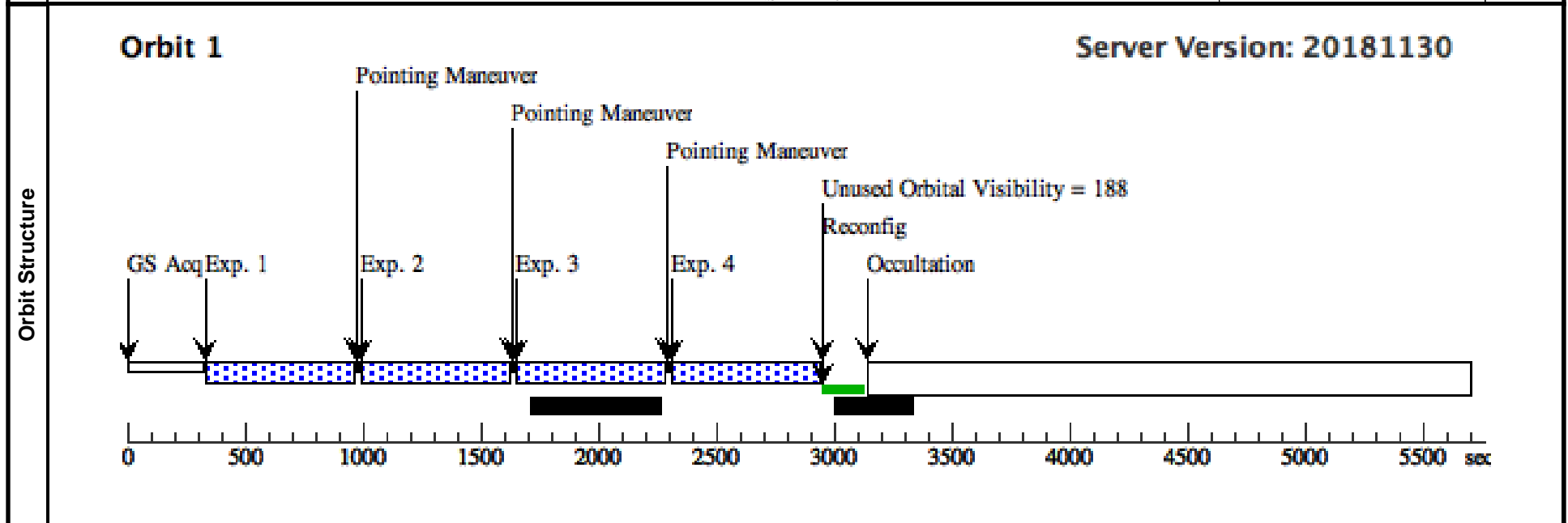
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(4) NGC-1614	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			560 Secs (560 Secs) [==>]	[1]
	2	F275W-2	(4) NGC-1614	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.158,1.268		560 Secs (560 Secs) [==>]	[1]
	3	F275W-3	(4) NGC-1614	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.099,2.497		560 Secs (560 Secs) [==>]	[1]
	4	F275W-4	(4) NGC-1614	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG -0.060,-1.268		560 Secs (560 Secs) [==>]	[1]



Visit	Proposal 15649, NGC1614-IR (08), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/IR				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	NGC-1614	RA: 04 34 0.0270 (68.5001125d) Dec: -08 34 44.57 (-8.57905d) Equinox: J2000		V=13.99	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	Category=GALAXY Description=[STARBURST]					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W-1	(4) NGC-1614	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10			599.231134 Secs (599.231 Secs) [==>]	[1]
	2	F160W-2	(4) NGC-1614	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.542,0. 182		599.231134 Secs (599.231 Secs) [==>]	[1]
	3	F160W-3	(4) NGC-1614	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.339,0. 485		599.231134 Secs (599.231 Secs) [==>]	[1]
	4	F160W-4	(4) NGC-1614	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG -0.203,0 .303		599.231134 Secs (599.231 Secs) [==>]	[1]



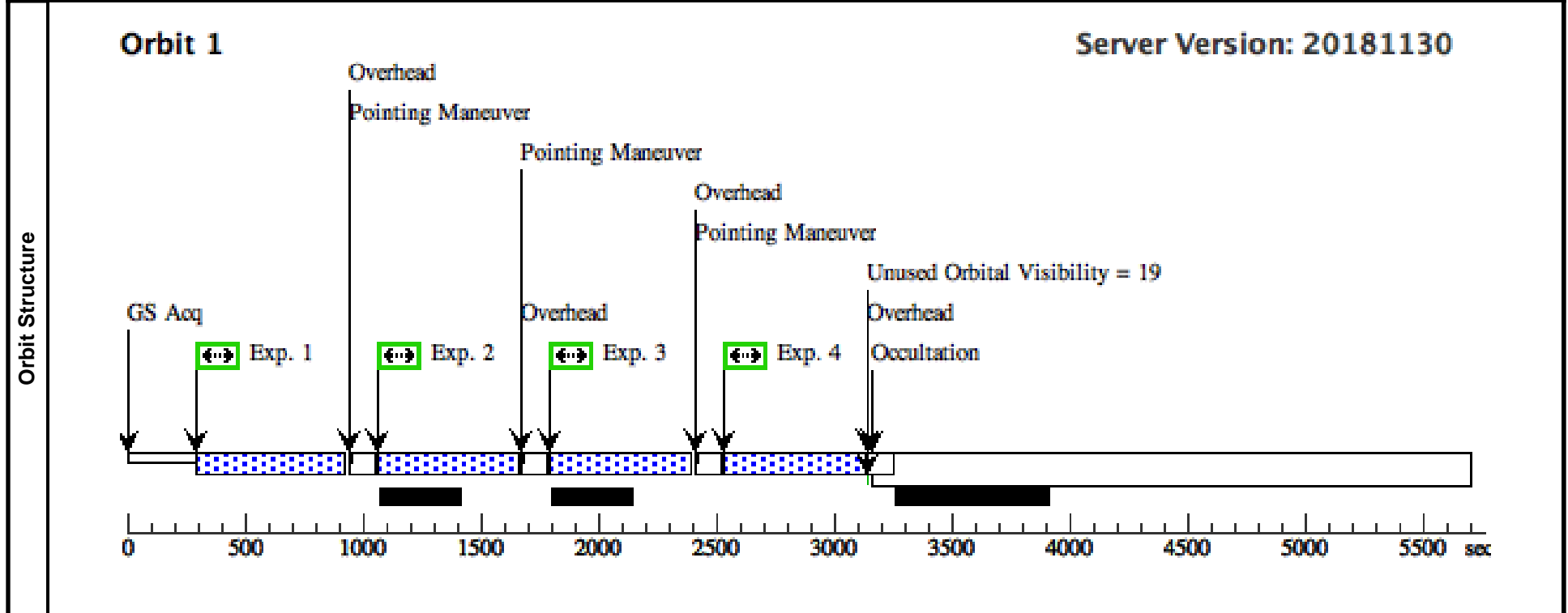
Proposal 15649 - NGC2623-UVIS (09) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, NGC2623-UVIS (09), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	NGC-2623	RA: 08 38 24.0930 (129.6003875d) Dec: +25 45 16.70 (25.75464d) Equinox: J2000		V=13.36	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						
<i>Category=GALAXY</i>						
<i>Description=[STARBURST]</i>						

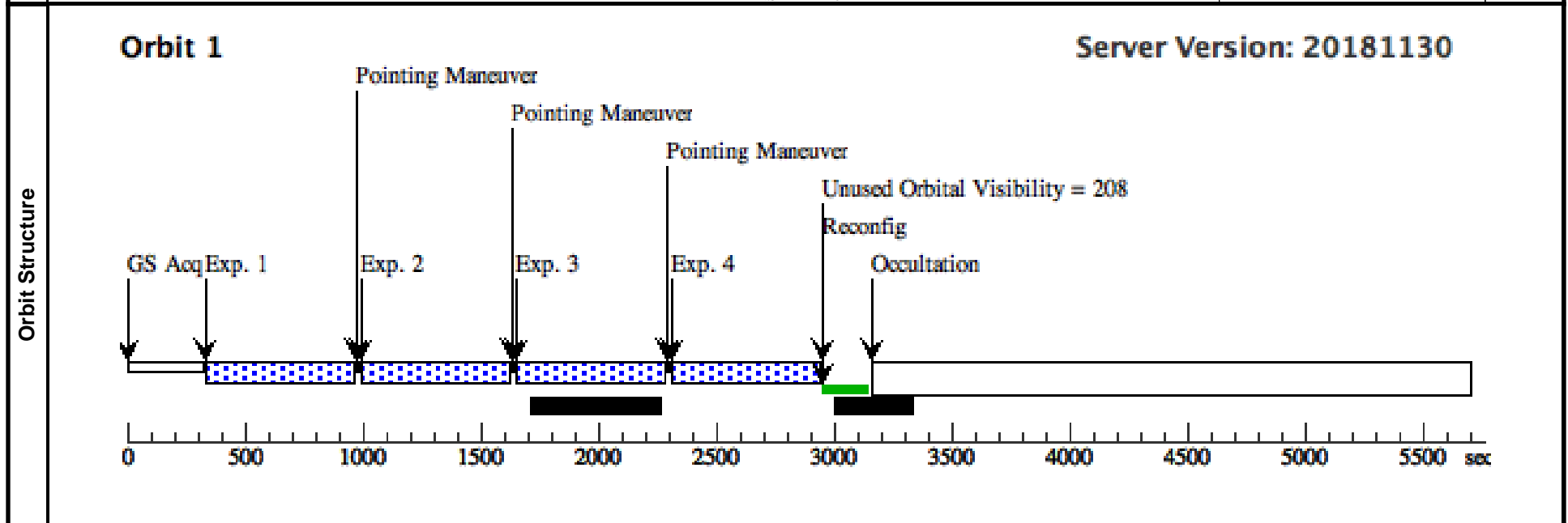
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(5) NGC-2623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			600 Secs (600 Secs) [==>]	[1]
	2	F275W-2	(5) NGC-2623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.158,1.268		600 Secs (600 Secs) [==>]	[1]
	3	F275W-3	(5) NGC-2623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.099,2.497		600 Secs (600 Secs) [==>]	[1]
	4	F275W-4	(5) NGC-2623	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG -0.060,-1.268		600 Secs (600 Secs) [==>]	[1]



Visit	Proposal 15649, NGC2623-IR (10), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/IR				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	NGC-2623	RA: 08 38 24.0930 (129.6003875d) Dec: +25 45 16.70 (25.75464d) Equinox: J2000		V=13.36	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	Category=GALAXY Description=[STARBURST]					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F160W-1	(5) NGC-2623	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10				599.231134 Secs (599.231 Secs) [==>]	[1]
	2	F160W-2	(5) NGC-2623	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.542,0. 182			599.231134 Secs (599.231 Secs) [==>]	[1]
	3	F160W-3	(5) NGC-2623	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.339,0. 485			599.231134 Secs (599.231 Secs) [==>]	[1]
4	F160W-4	(5) NGC-2623	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG -0.203,0 .303			599.231134 Secs (599.231 Secs) [==>]	[1]	



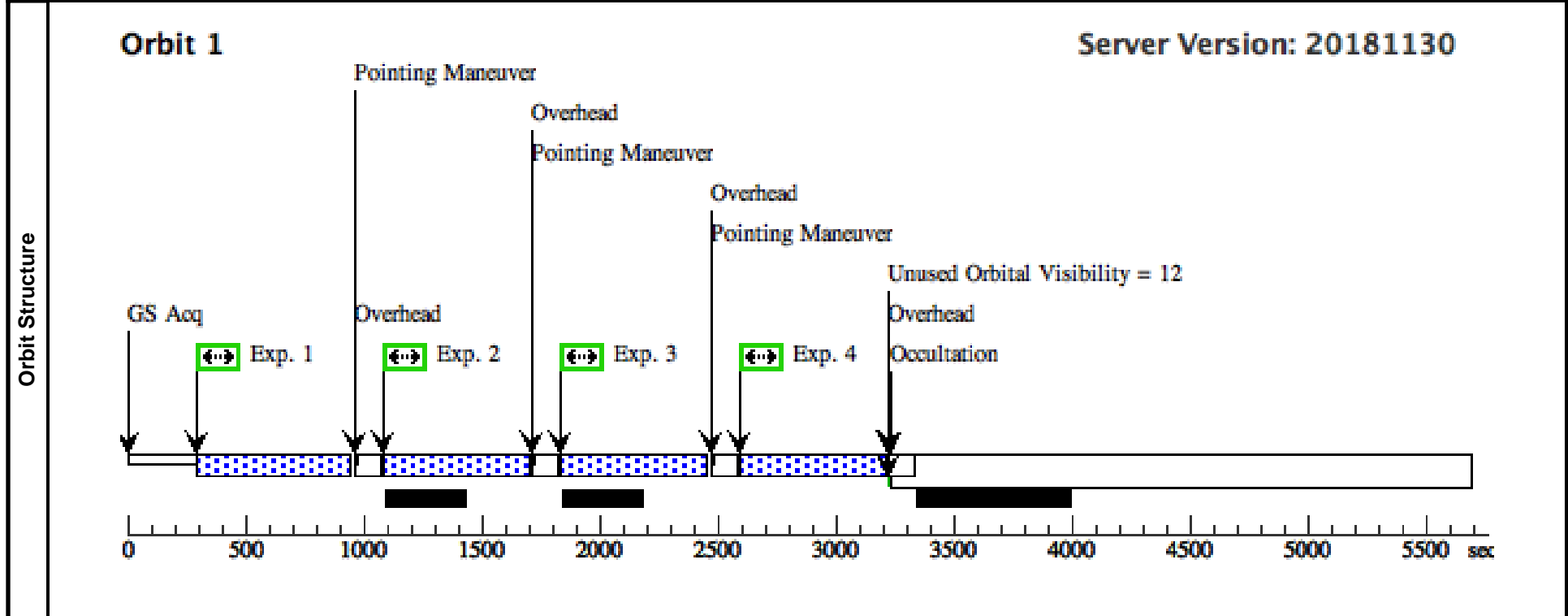
Proposal 15649 - NGC3256-UVIS (11) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, NGC3256-UVIS (11), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	NGC-3256	RA: 10 27 51.6000 (156.9650000d) Dec: -43 54 18.00 (-43.90500d) Equinox: J2000		V=11.33	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]					

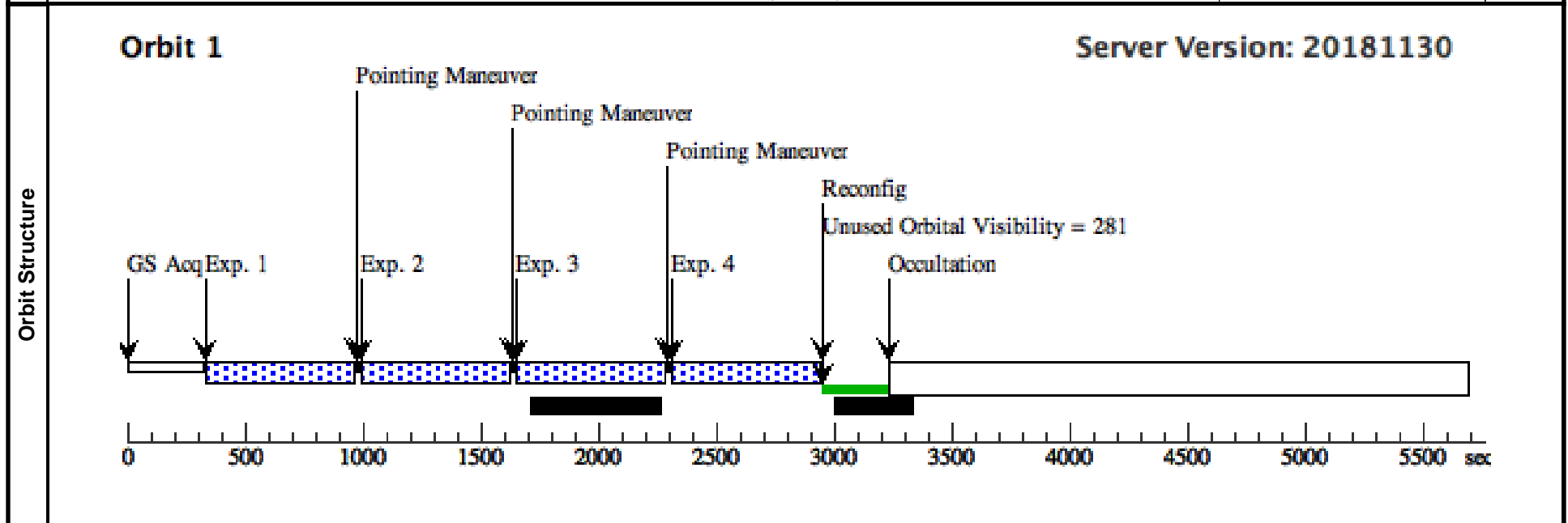
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(6) NGC-3256	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			620 Secs (620 Secs) [==>]	[1]
	2	F275W-2	(6) NGC-3256	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.158,1.268		620 Secs (620 Secs) [==>]	[1]
	3	F275W-3	(6) NGC-3256	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.099,2.497		620 Secs (620 Secs) [==>]	[1]
	4	F275W-4	(6) NGC-3256	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG -0.060,-1.268		620 Secs (620 Secs) [==>]	[1]



Visit	Proposal 15649, NGC3256-IR (12), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/IR				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	NGC-3256	RA: 10 27 51.6000 (156.9650000d) Dec: -43 54 18.00 (-43.90500d) Equinox: J2000		V=11.33	Reference Frame: SIMBAD
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						
<i>Category=GALAXY</i>						
<i>Description=[STARBURST]</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F160W-1	(6) NGC-3256	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10			599.231134 Secs (599.231 Secs) [==>]	[1]
	2	F160W-2	(6) NGC-3256	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.542,0. 182		599.231134 Secs (599.231 Secs) [==>]	[1]
	3	F160W-3	(6) NGC-3256	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.339,0. 485		599.231134 Secs (599.231 Secs) [==>]	[1]
	4	F160W-4	(6) NGC-3256	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG -0.203,0 .303		599.231134 Secs (599.231 Secs) [==>]	[1]



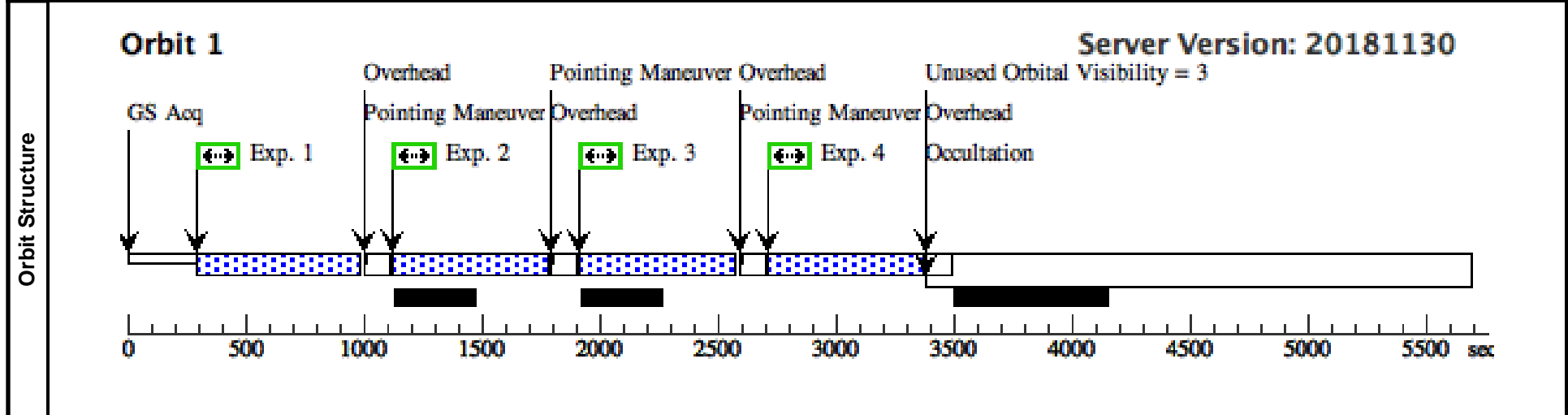
Proposal 15649 - NGC3690-UVIS (13) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, NGC3690-UVIS (13), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	NGC3690	RA: 11 28 30.5000 (172.1270833d) Dec: +58 33 59.00 (58.56639d) Equinox: J2000		V=12.86	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	Category=GALAXY Description=[STARBURST]					

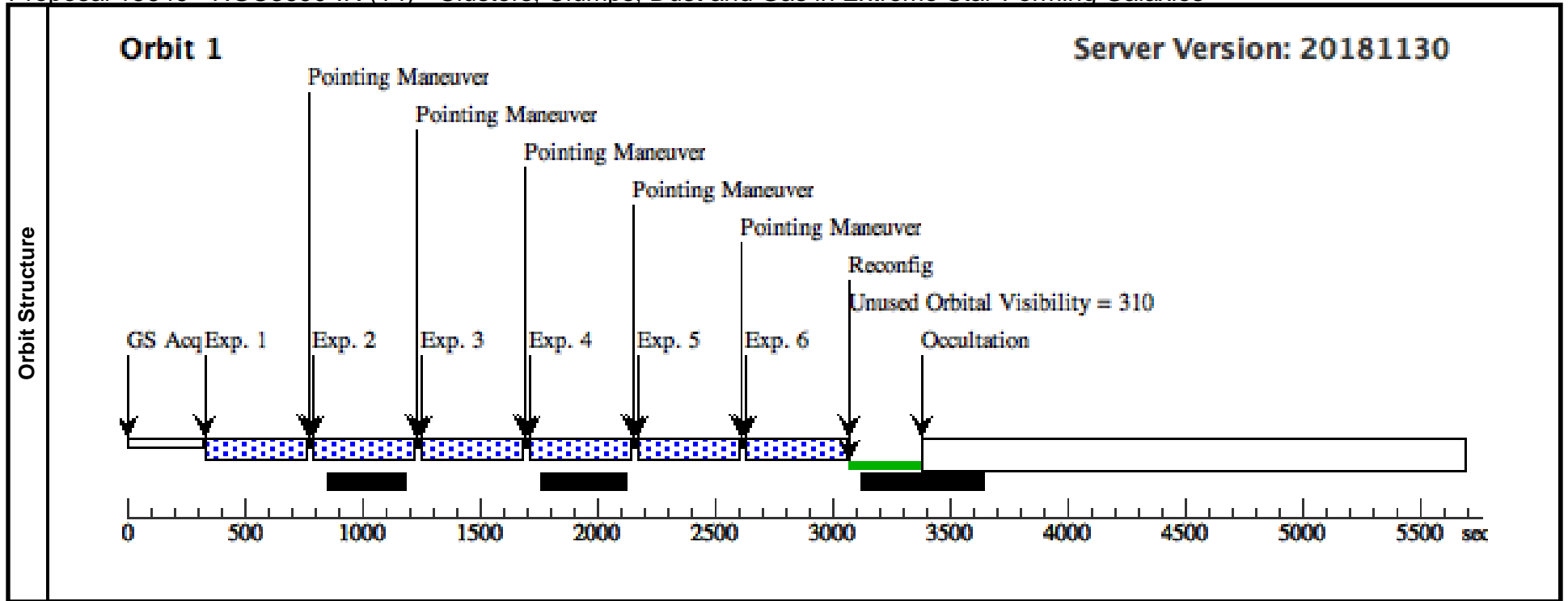
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(7) NGC3690	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			660 Secs (660 Secs) [==>]	[1]
	2	F275W-2	(7) NGC3690	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.158,1.268		660 Secs (660 Secs) [==>]	[1]
	3	F275W-3	(7) NGC3690	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.099,2.497		660 Secs (660 Secs) [==>]	[1]
	4	F275W-4	(7) NGC3690	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG -0.060,-1.268		660 Secs (660 Secs) [==>]	[1]



Proposal 15649 - NGC3690-IR (14) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, NGC3690-IR (14), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Fixed Targets	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (7) NGC3690 RA: 11 28 30.5000 (172.1270833d) Dec: +58 33 59.00 (58.56639d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) NGC3690	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.0,0.0		399.231067 Secs (399.231 Secs) [==>]	[1]
	2		(7) NGC3690	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.474,0.424		399.231067 Secs (399.231 Secs) [==>]	[1]
	3		(7) NGC3690	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9			399.231067 Secs (399.231 Secs) [==>]	[1]
	4		(7) NGC3690	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.542,0.182		399.231067 Secs (399.231 Secs) [==>]	[1]
	5		(7) NGC3690	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.339,0.485		399.231067 Secs (399.231 Secs) [==>]	[1]
	6		(7) NGC3690	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG -0.203,0.303		399.231067 Secs (399.231 Secs) [==>]	[1]



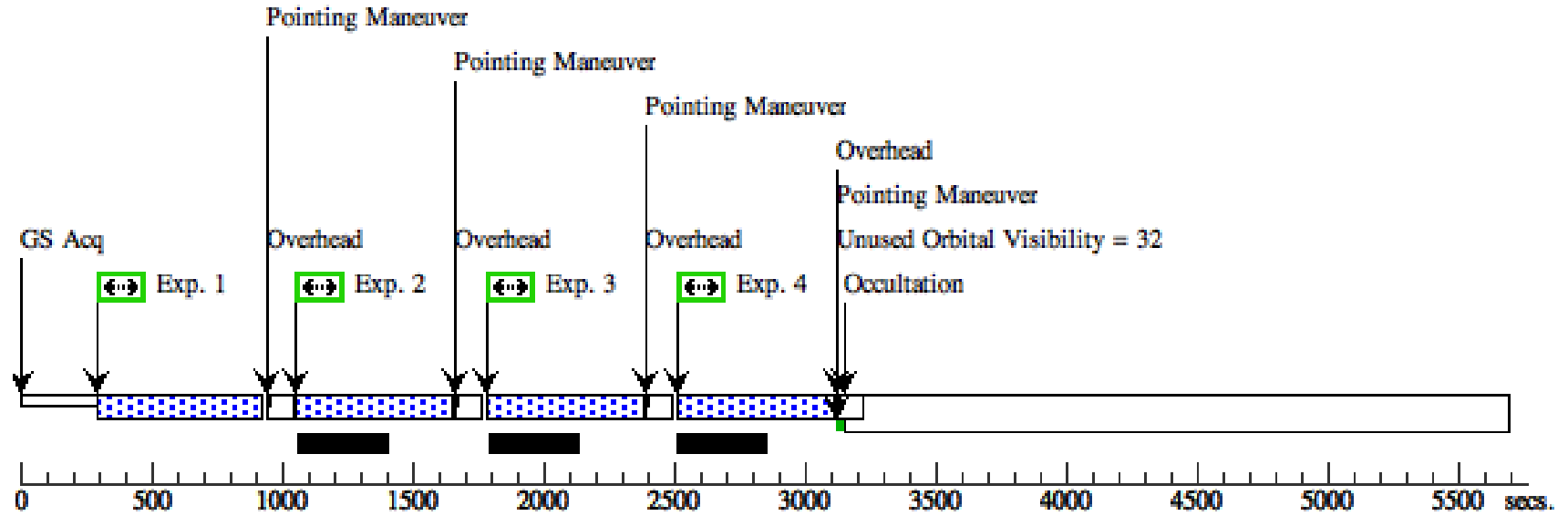
Proposal 15649 - ARP220-UVIS (15) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

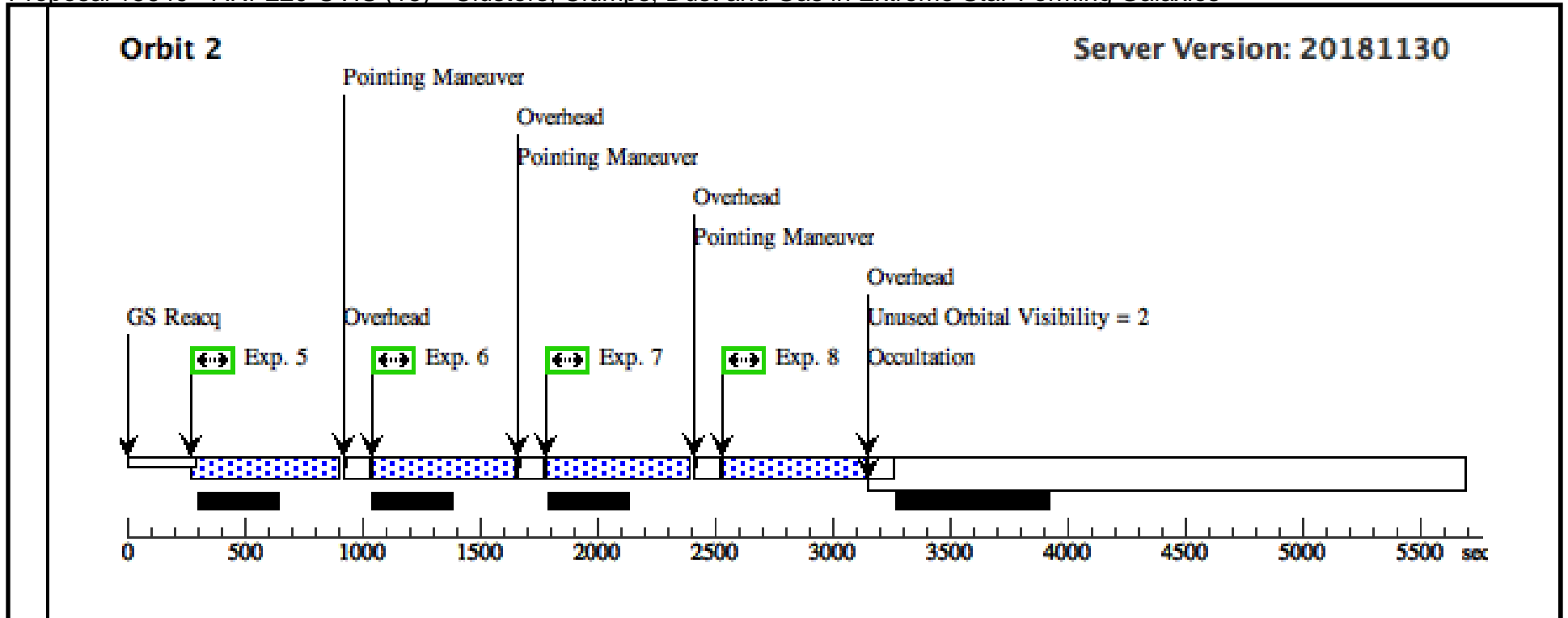
Visit	Proposal 15649, ARP220-UVIS (15), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(11)	ARP220	RA: 15 34 57.2600 (233.7385833d) Dec: +23 30 11.30 (23.50314d) Equinox: J2000		V=7	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F555W-1	(11) ARP220	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				600 Secs (600 Secs) [==>]	[1]
	2	F555W-2	(11) ARP220	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.158,1.268		600 Secs (600 Secs) [==>]	[1]
	3	F555W-3	(11) ARP220	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.099,2.497		600 Secs (600 Secs) [==>]	[1]
	4	F555W-4	(11) ARP220	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG -0.060,-1.268		600 Secs (600 Secs) [==>]	[1]
	5	F275W-1	(11) ARP220	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			610 Secs (610 Secs) [==>]	[2]
	6	F275W-2	(11) ARP220	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.158,1.268		610 Secs (610 Secs) [==>]	[2]
	7	F275W-3	(11) ARP220	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.099,2.497		610 Secs (610 Secs) [==>]	[2]
	8	F275W-4	(11) ARP220	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG -0.060,-1.268		610 Secs (610 Secs) [==>]	[2]

Orbit 1

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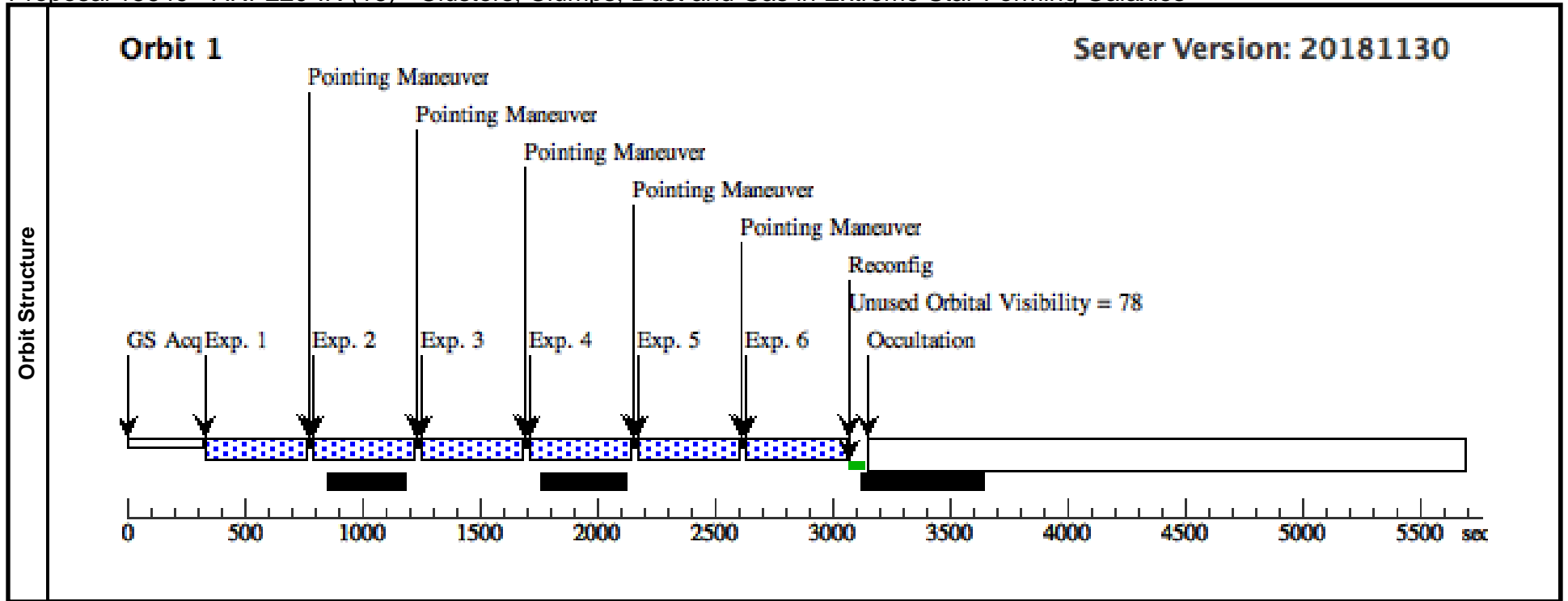
Orbit Structure



Proposal 15649 - ARP220-IR (16) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, ARP220-IR (16), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(11)	ARP220	RA: 15 34 57.2600 (233.7385833d) Dec: +23 30 11.30 (23.50314d) Equinox: J2000		V=7	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(11) ARP220		WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.0,0.0		399.231067 Secs (399.231 Secs) [==>]	[1]
	2	(11) ARP220		WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.474,0. 424		399.231067 Secs (399.231 Secs) [==>]	[1]
	3	(11) ARP220		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9			399.231067 Secs (399.231 Secs) [==>]	[1]
	4	(11) ARP220		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.542,0. 182		399.231067 Secs (399.231 Secs) [==>]	[1]
	5	(11) ARP220		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.339,0. 485		399.231067 Secs (399.231 Secs) [==>]	[1]
	6	(11) ARP220		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG -0.203,0 .303		399.231067 Secs (399.231 Secs) [==>]	[1]



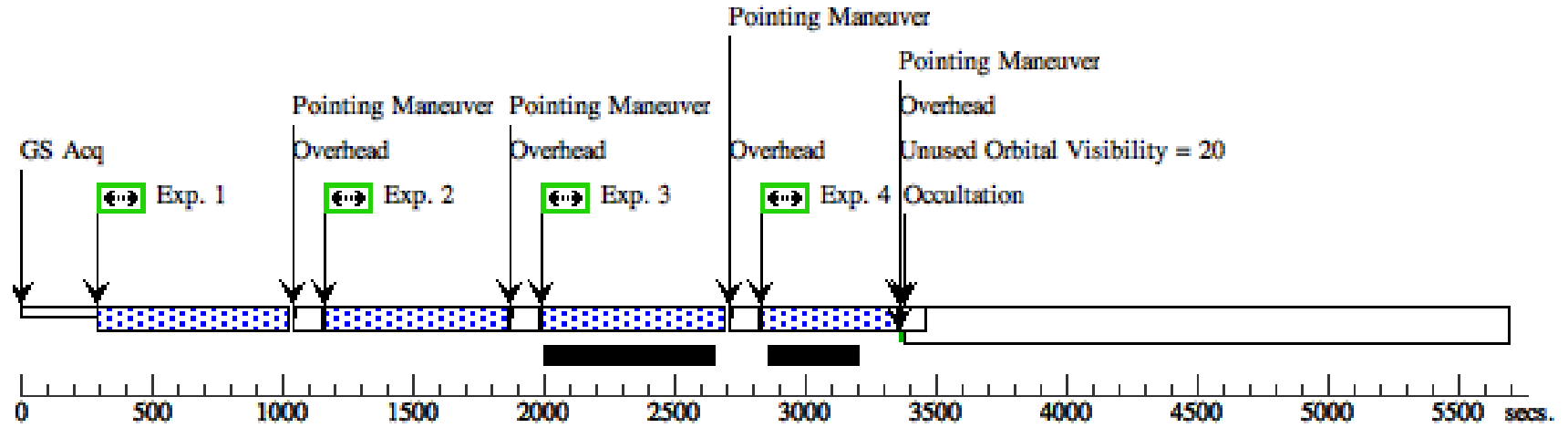
Proposal 15649 - IC4687-UVIS (17) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, IC4687-UVIS (17), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 18									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(12)	IC4687-UVIS	RA: 18 13 39.6300 (273.4151250d) Dec: -57 43 43.80 (-57.72883d) Equinox: J2000		V=12.65	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			700 Secs (700 Secs) [==>]	[1]
	2	F275W-2	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.092,1.298		700 Secs (700 Secs) [==>]	[1]
	3	F275W-3	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.185,2.497		700 Secs (700 Secs) [==>]	[1]
	4	F555W-1	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				500 Secs (500 Secs) [==>]	[1]
	5	F555W-2	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.092,1.298		500 Secs (500 Secs) [==>]	[2]
	6	F555W-3	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.185,2.497		500 Secs (500 Secs) [==>]	[2]
	7	F665W-1	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12			500 Secs (500 Secs) [==>]	[2]
	8	F665W-2	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.092,1.298		500 Secs (500 Secs) [==>]	[2]
	9	F665W-3	(12) IC4687-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.185,2.497		500 Secs (500 Secs) [==>]	[2]

Orbit 1

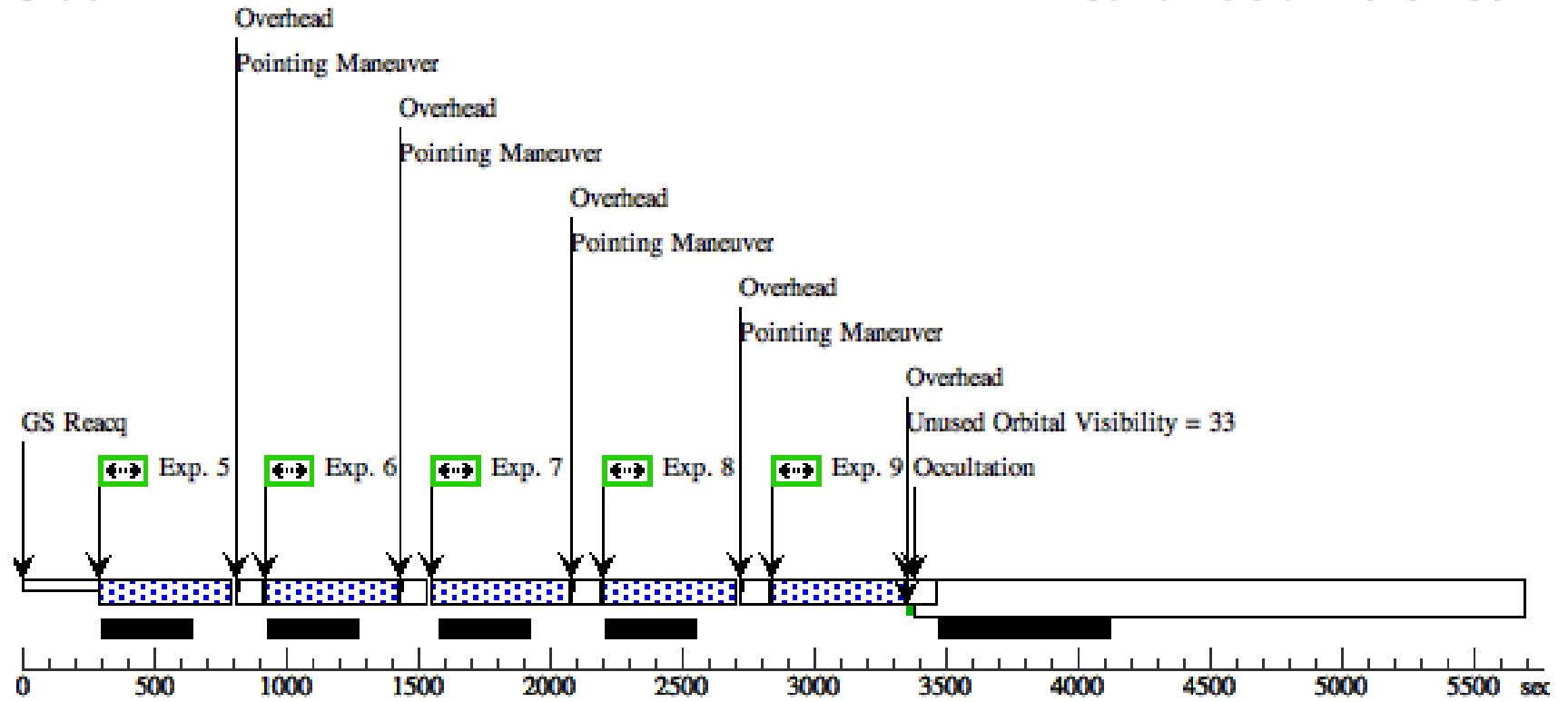
Server Version: 20181130



Orbit Structure

Orbit 2

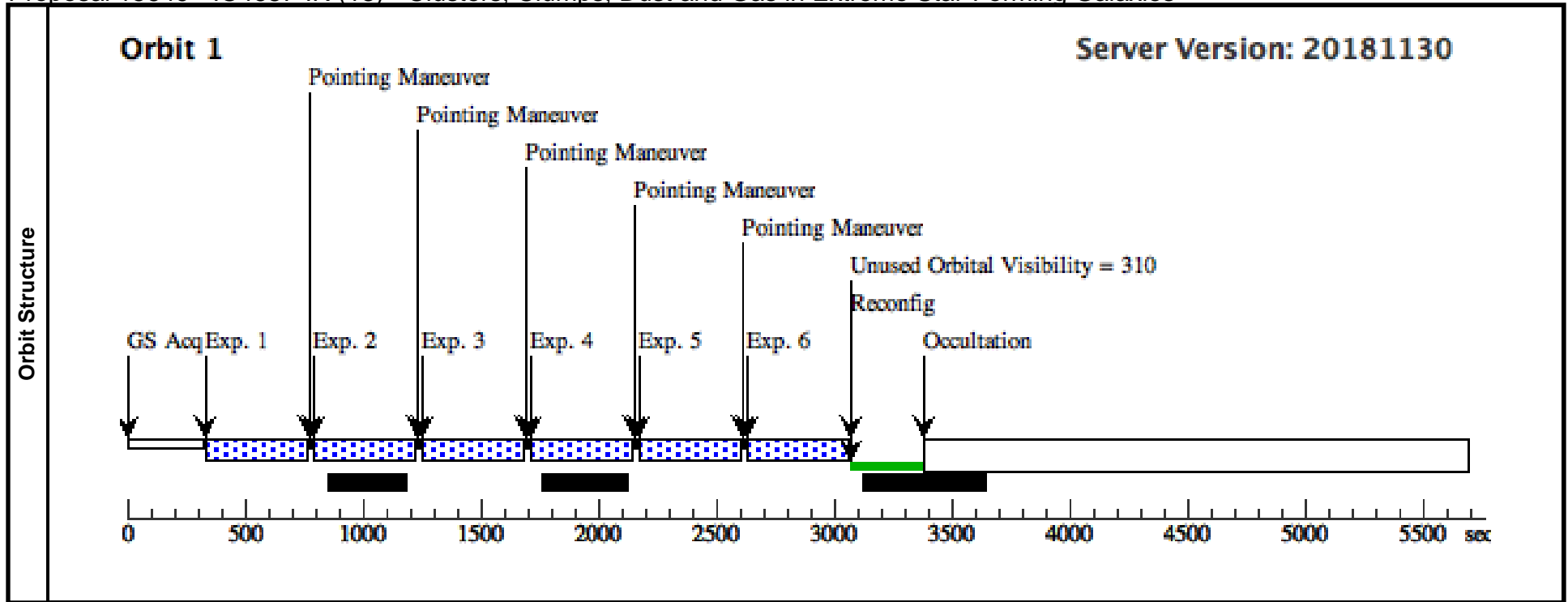
Server Version: 20181130



Proposal 15649 - IC4687-IR (18) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, IC4687-IR (18), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 75D TO 84 D; ORIENT 174D TO 182 D; ORIENT 254D TO 265 D; ORIENT 353D TO 5 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(14)	IC4687-IR	RA: 18 13 39.5700 (273.4148750d) Dec: -57 43 37.50 (-57.72708d) Equinox: J2000		V=12.65	Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(14) IC4687-IR		WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.0,0.0		399.231067 Secs (399.231 Secs) [==>]	[1]
	2	(14) IC4687-IR		WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.474,0.424		399.231067 Secs (399.231 Secs) [==>]	[1]
	3	(14) IC4687-IR		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9			399.231067 Secs (399.231 Secs) [==>]	[1]
	4	(14) IC4687-IR		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.542,0.182		399.231067 Secs (399.231 Secs) [==>]	[1]
	5	(14) IC4687-IR		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.339,0.485		399.231067 Secs (399.231 Secs) [==>]	[1]
	6	(14) IC4687-IR		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG -0.203,0.303		399.231067 Secs (399.231 Secs) [==>]	[1]



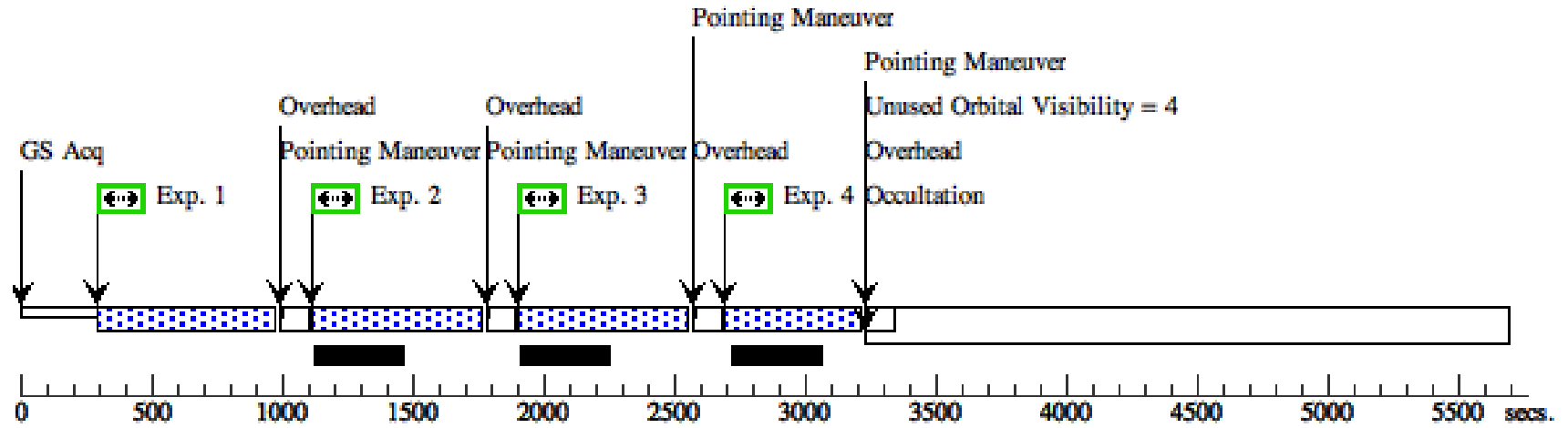
Proposal 15649 - ESO338-IG04-UVIS (19) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, ESO338-IG04-UVIS (19), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(8)	ESO338-IG04	RA: 19 27 58.2000 (291.9925000d) Dec: -41 34 32.00 (-41.57556d) Equinox: J2000		V=14.5	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			655 Secs (655 Secs) [==>]	[1]
	2	F275W-2	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.092,1.298		655 Secs (655 Secs) [==>]	[1]
	3	F275W-3	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.185,2.497		655 Secs (655 Secs) [==>]	[1]
	4	F438W-1	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=8			500 Secs (500 Secs) [==>]	[1]
	5	F438W-2	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=8	POS TARG 0.092,1.298		500 Secs (500 Secs) [==>]	[2]
	6	F438W-3	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=8	POS TARG 0.185,2.497		500 Secs (500 Secs) [==>]	[2]
	7	F814W-1	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5			450 Secs (450 Secs) [==>]	[2]
	8	F814W-2	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG 0.092,1.298		450 Secs (450 Secs) [==>]	[2]
	9	F814W-3	(8) ESO338-IG04	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=5	POS TARG 0.185,2.497		450 Secs (450 Secs) [==>]	[2]

Orbit 1

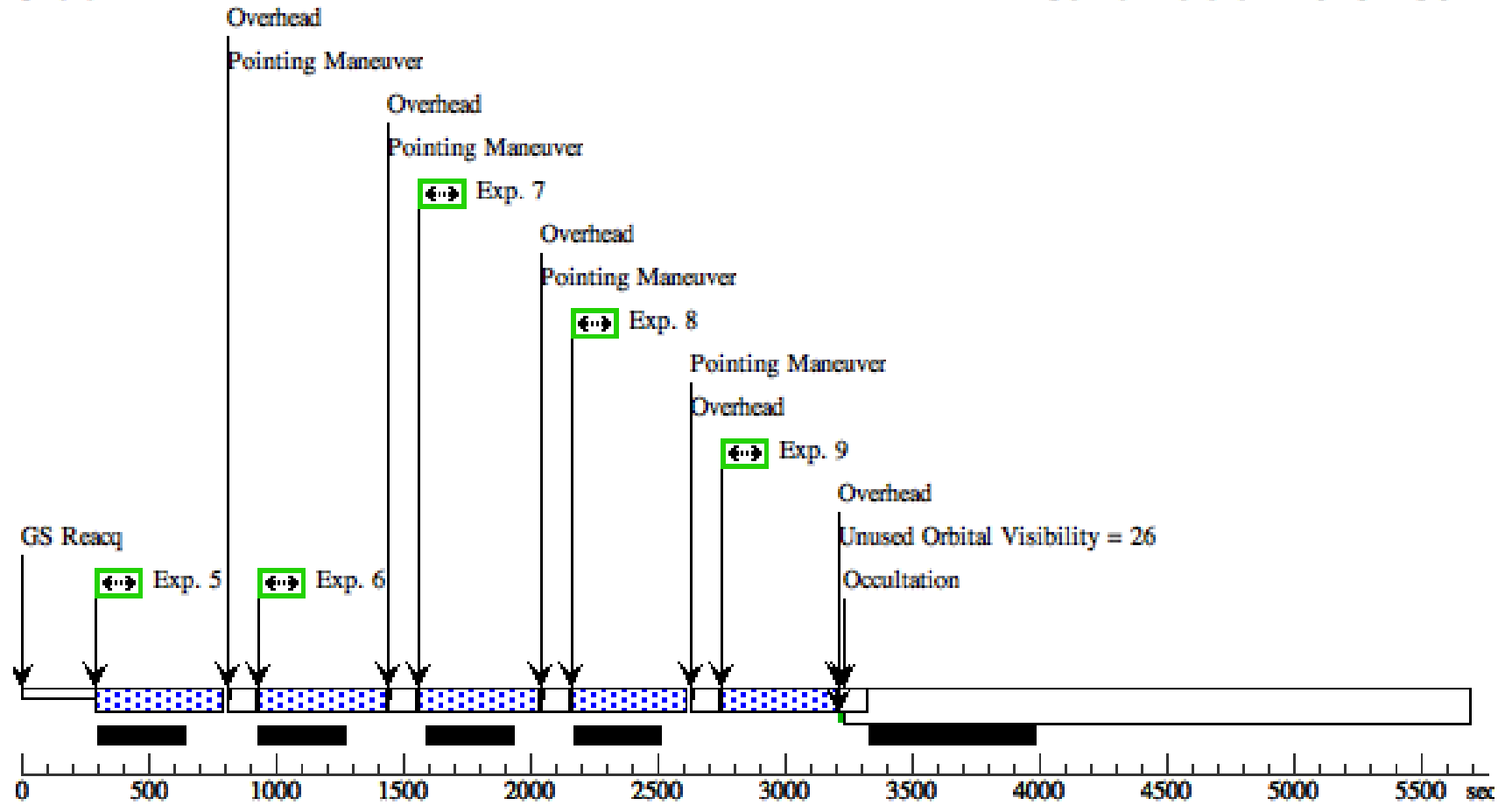
Server Version: 20181130



Orbit Structure

Orbit 2

Server Version: 20181130



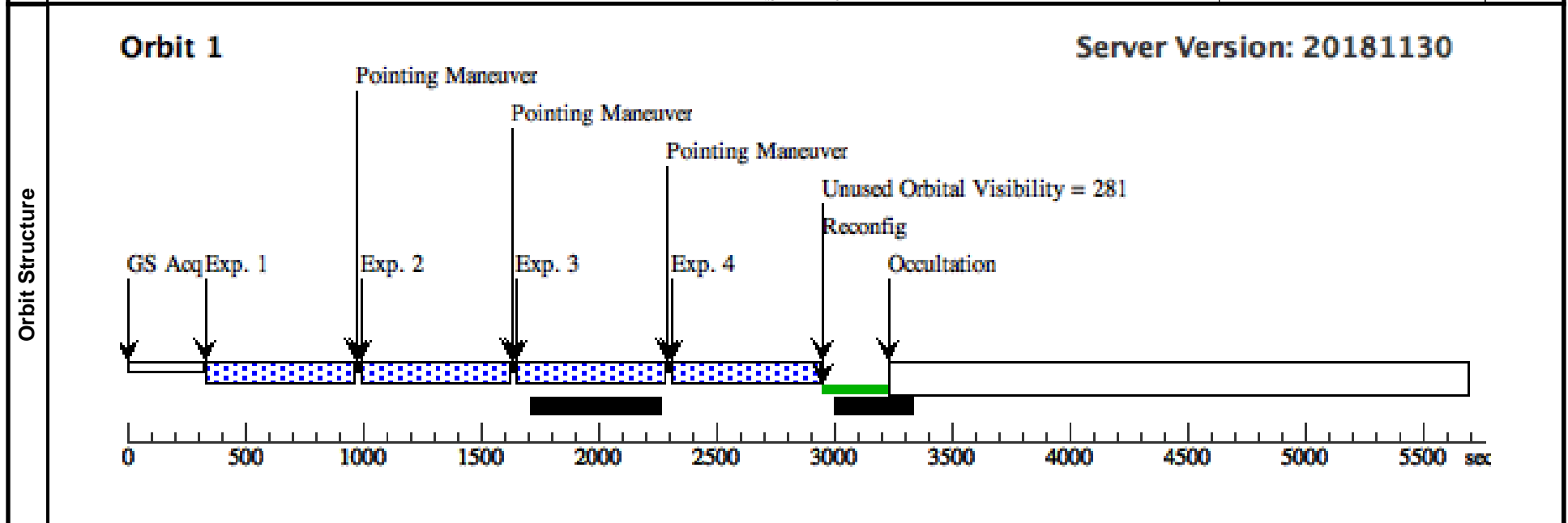
Proposal 15649 - ESO338-IG04-IR (20) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, ESO338-IG04-IR (20), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/IR				
	Special Requirements: (none)				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	ESO338-IG04	RA: 19 27 58.2000 (291.9925000d) Dec: -41 34 32.00 (-41.57556d) Equinox: J2000		V=14.5	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	Category=GALAXY Description=[STARBURST]					

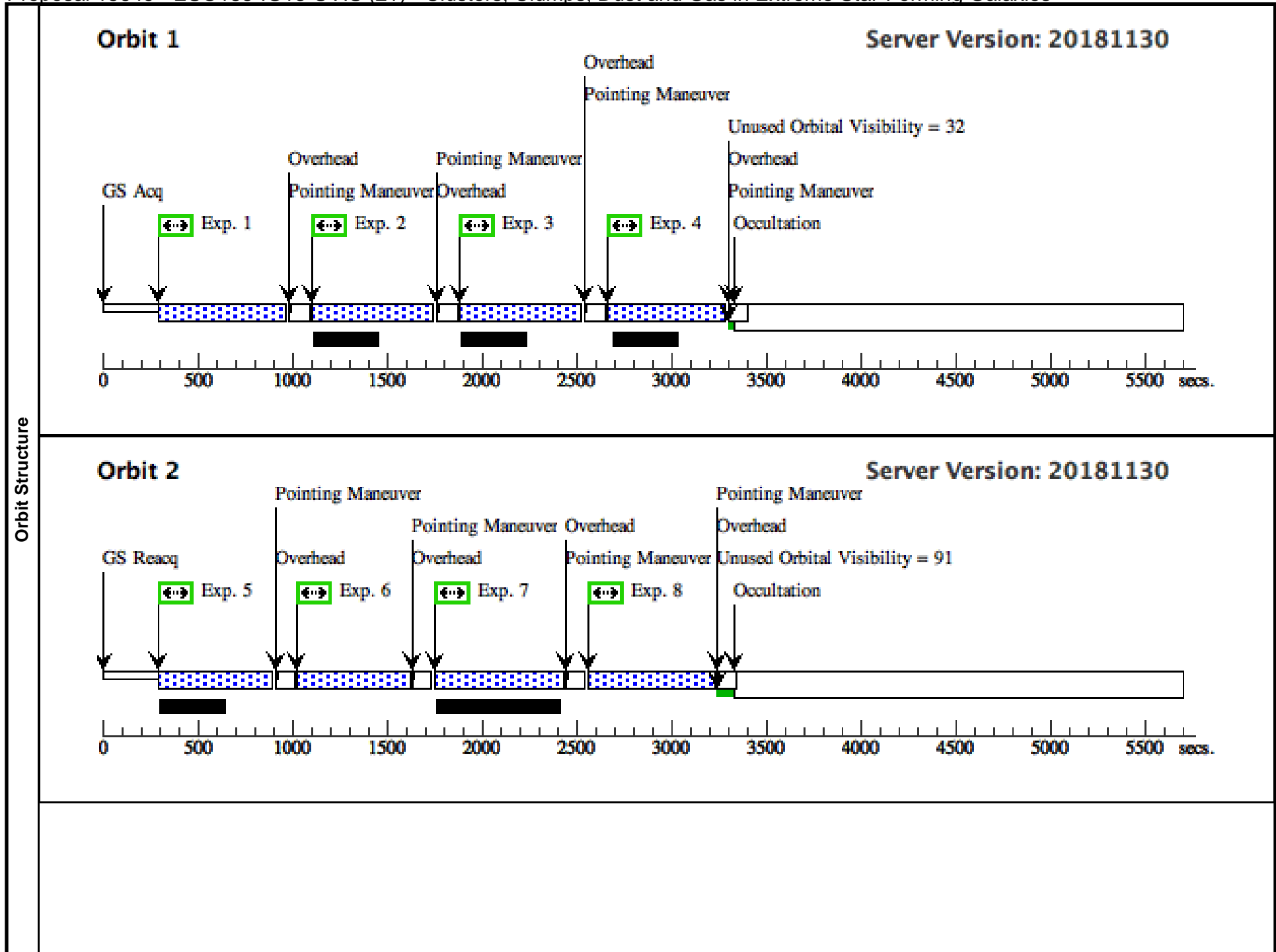
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) ESO338-IG04	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10			599.231134 Secs (599.231 Secs) [==>]	[1]
	2		(8) ESO338-IG04	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.542,0. 182		599.231134 Secs (599.231 Secs) [==>]	[1]
	3		(8) ESO338-IG04	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG 0.339,0. 485		599.231134 Secs (599.231 Secs) [==>]	[1]
	4		(8) ESO338-IG04	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=10	POS TARG -0.203,0 .303		599.231134 Secs (599.231 Secs) [==>]	[1]



Proposal 15649 - ESO185-IG13-UVIS (21) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

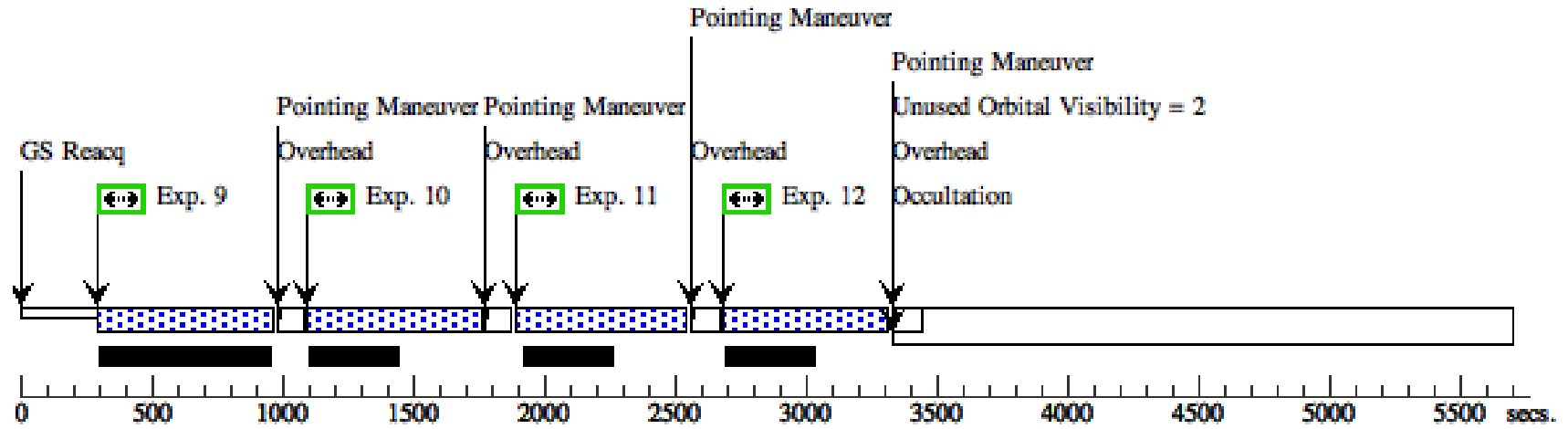
Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, ESO185-IG13-UVIS (21), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	ESO185-IG13	RA: 19 45 0.5000 (296.2520833d) Dec: -54 15 3.00 (-54.25083d) Equinox: J2000		V=13.8	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			645 Secs (645 Secs) [==>]	[1]
	2	F275W-2	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.092,1.298		645 Secs (645 Secs) [==>]	[1]
	3	F275W-3	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.185,2.497		645 Secs (645 Secs) [==>]	[1]
	4	F814W-1	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				600 Secs (600 Secs) [==>]	[1]
	5	F814W-2	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 0.092,1.298		600 Secs (600 Secs) [==>]	[2]
	6	F814W-3	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 0.185,2.497		600 Secs (600 Secs) [==>]	[2]
	7	F555W-1	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				670 Secs (670 Secs) [==>]	[2]
	8	F555W-2	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.158,1.268		670 Secs (670 Secs) [==>]	[2]
	9	F555W-3	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.099,2.497		670 Secs (670 Secs) [==>]	[3]
	10	F555W-4	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG -0.060,-1.268		670 Secs (670 Secs) [==>]	[3]
	11	F665W-1	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12			635 Secs (635 Secs) [==>]	[3]
	12	F665W-2	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.092,1.298		635 Secs (635 Secs) [==>]	[3]
	13	F665W-3	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.185,2.497		635 Secs (635 Secs) [==>]	[4]
	14	F438W-1	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=8			630 Secs (630 Secs) [==>]	[4]
	15	F438W-2	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=8	POS TARG 0.092,1.298		630 Secs (630 Secs) [==>]	[4]
16	F438W-3	(9) ESO185-IG13	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=8	POS TARG 0.185,2.497		630 Secs (630 Secs) [==>]	[4]	



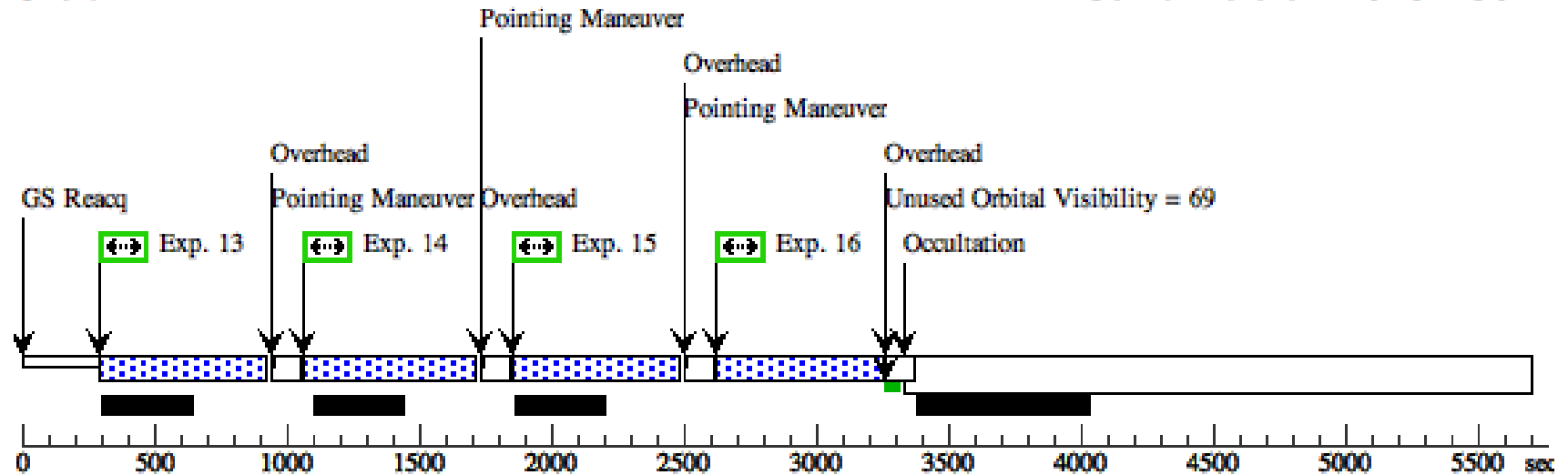
Orbit 3

Server Version: 20181130



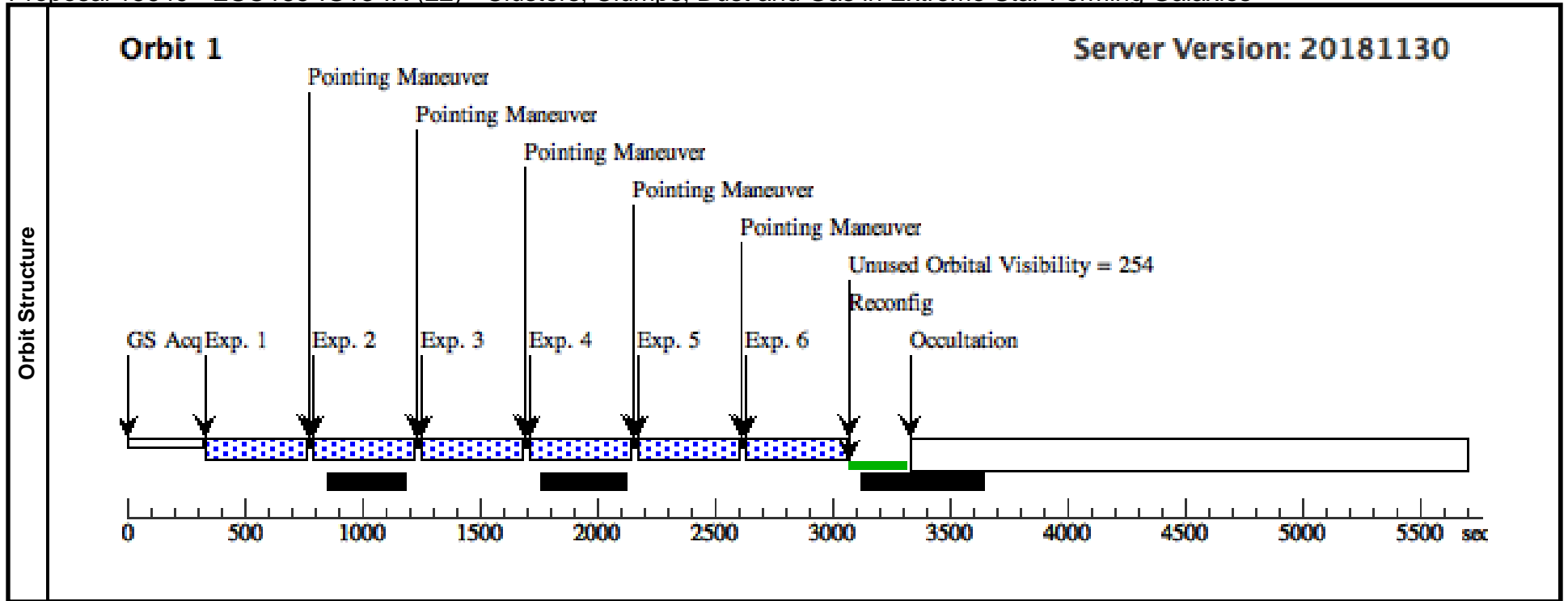
Orbit 4

Server Version: 20181130



Proposal 15649 - ESO185-IG13-IR (22) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

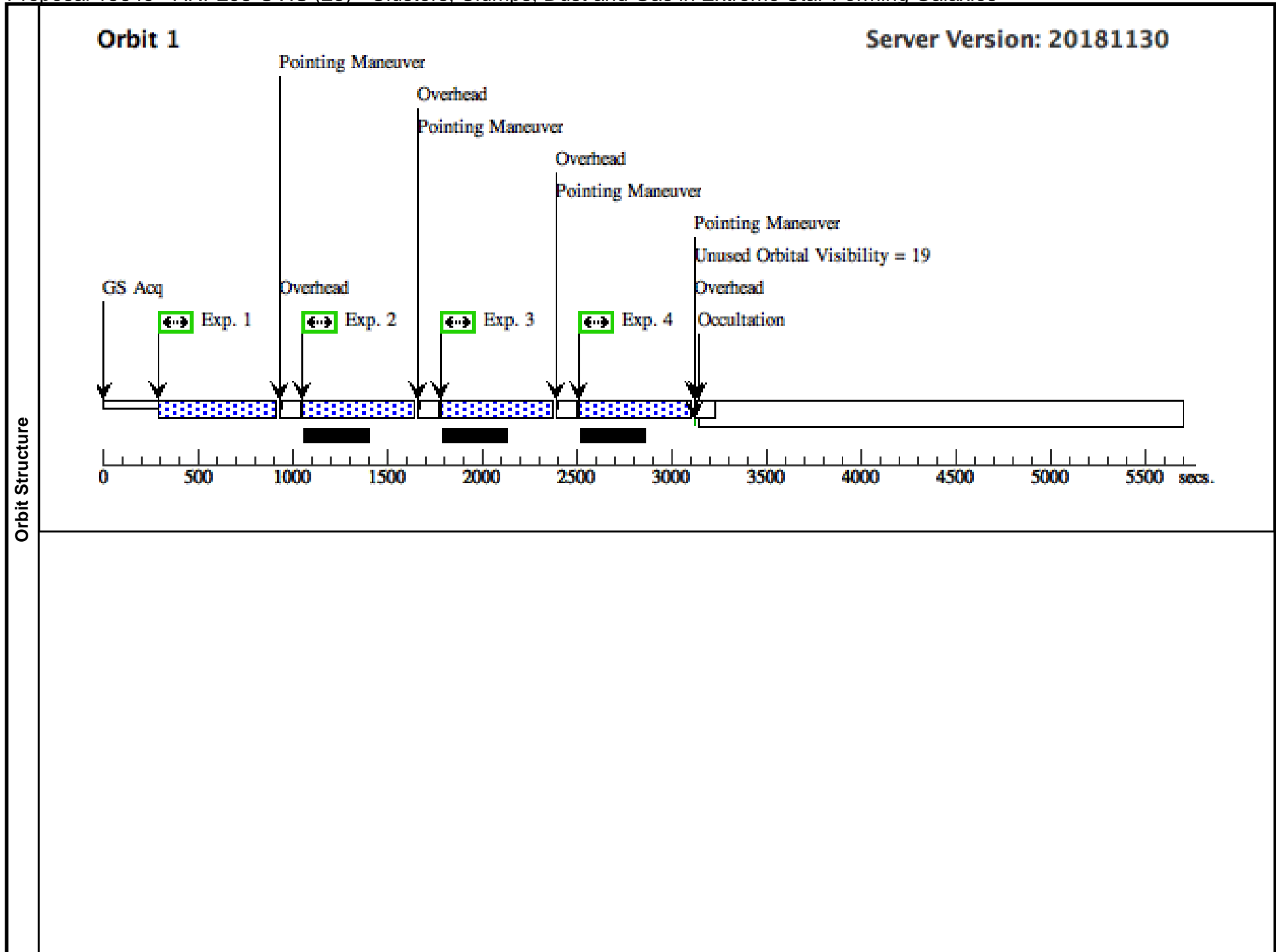
Visit		Proposal 15649, ESO185-IG13-IR (22), implementation					Fri Jan 25 15:01:18 GMT 2019				
Fixed Targets		Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
(9)	ESO185-IG13	RA: 19 45 0.5000 (296.2520833d) Dec: -54 15 3.00 (-54.25083d) Equinox: J2000		V=13.8	Reference Frame: SIMBAD						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]											
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	(9) ESO185-IG13	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.0,0.0			399.231067 Secs (399.231 Secs) [==>]	[1]
		2	(9) ESO185-IG13	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.474,0.424			399.231067 Secs (399.231 Secs) [==>]	[1]
		3	(9) ESO185-IG13	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9				399.231067 Secs (399.231 Secs) [==>]	[1]
		4	(9) ESO185-IG13	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.542,0.182			399.231067 Secs (399.231 Secs) [==>]	[1]
		5	(9) ESO185-IG13	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.339,0.485			399.231067 Secs (399.231 Secs) [==>]	[1]
		6	(9) ESO185-IG13	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG -0.203,0.303			399.231067 Secs (399.231 Secs) [==>]	[1]

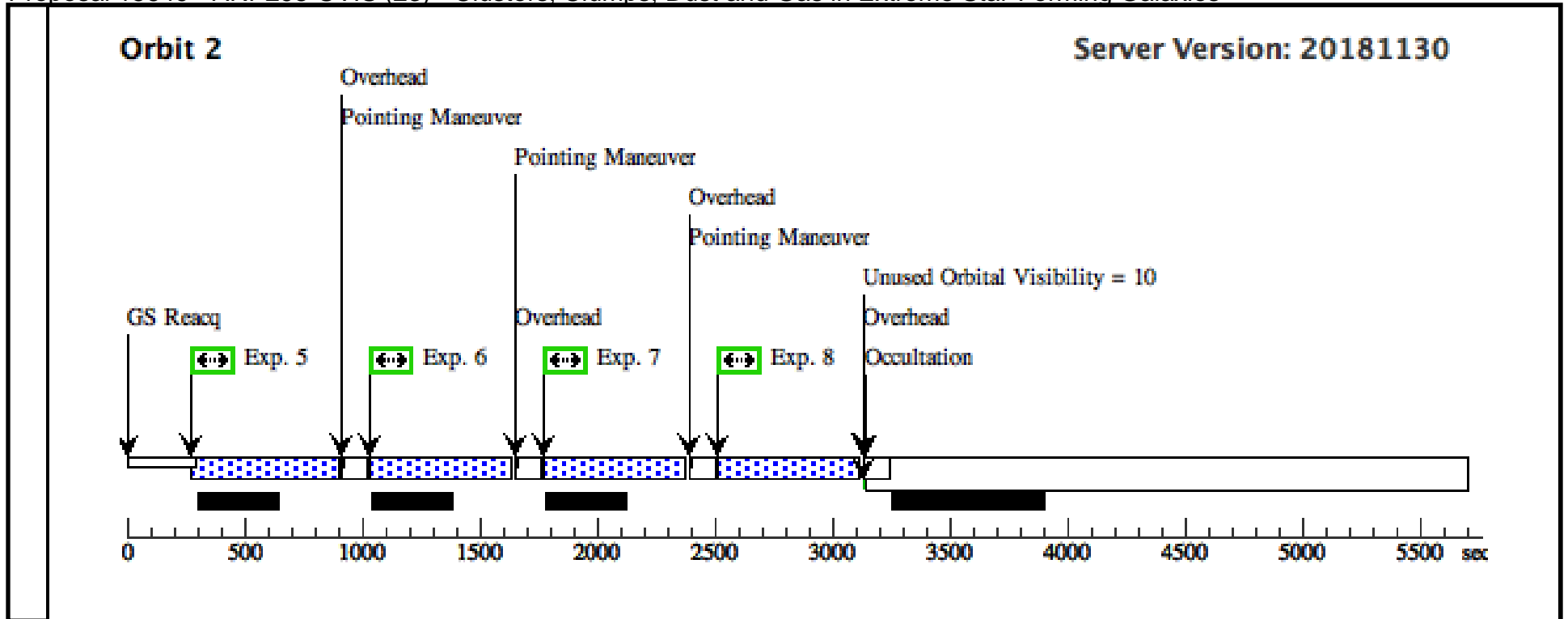


Proposal 15649 - ARP298-UVIS (23) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit		Proposal 15649, ARP298-UVIS (23), implementation									
Visit		Diagnostic Status: No Diagnostics									
Visit		Scientific Instruments: WFC3/UVIS									
Visit		Special Requirements: SAME ORIENT AS 24									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(13)	ARP298-UVIS	RA: 23 03 16.8000 (345.8200000d) Dec: +08 52 52.00 (8.88111d) Equinox: J2000		V=14	Reference Frame: ICRS					
		<i>Comments:</i>									
		<i>Category=GALAXY</i>									
		<i>Description=[STARBURST]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F665W-1	(13) ARP298-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12			595 Secs (595 Secs)	[1]	
	2	F665W-2	(13) ARP298-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.158,1.268		595 Secs (595 Secs)	[1]	
	3	F665W-3	(13) ARP298-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.099,2.497		595 Secs (595 Secs)	[1]	
	4	F665W-4	(13) ARP298-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG -0.060,-1.268		595 Secs (595 Secs)	[1]	
	5	F275W-1	(13) ARP298-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			605 Secs (605 Secs)	[2]	
	6	F275W-2	(13) ARP298-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.158,1.268		605 Secs (605 Secs)	[2]	
	7	F275W-3	(13) ARP298-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.099,2.497		605 Secs (605 Secs)	[2]	
	8	F275W-4	(13) ARP298-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG -0.060,-1.268		605 Secs (605 Secs)	[2]	

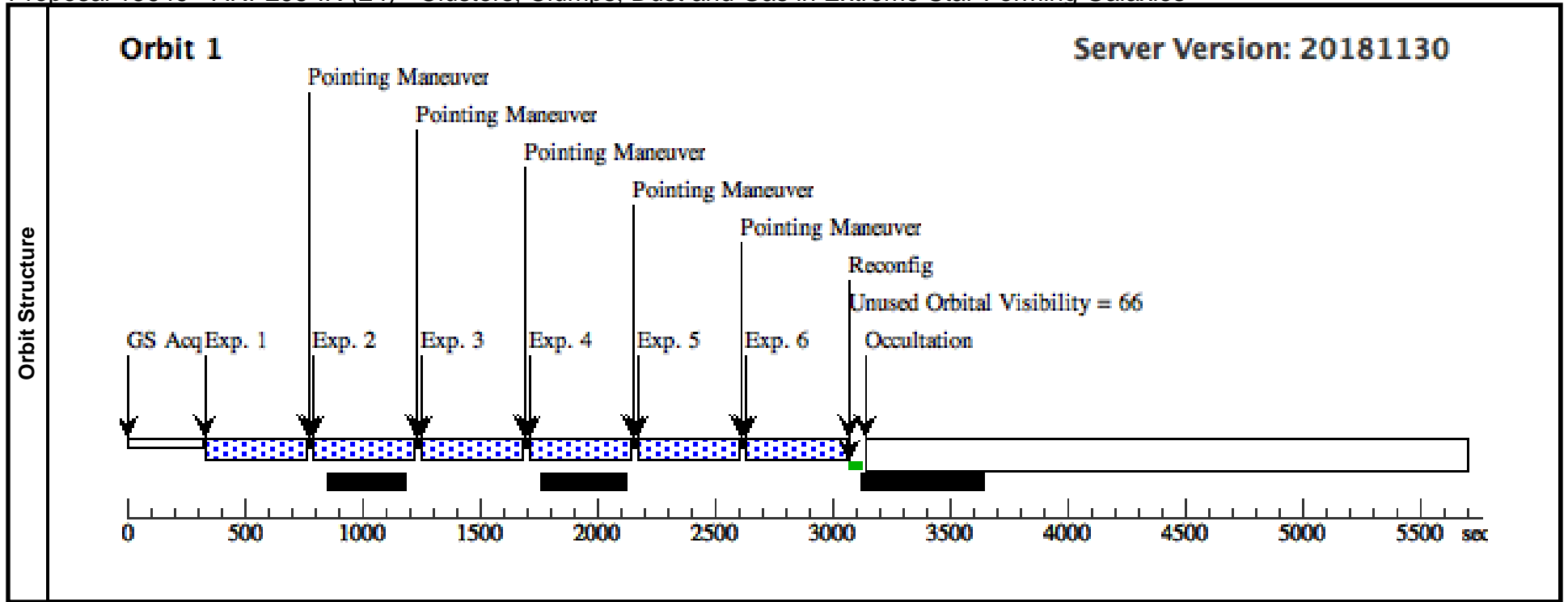




Proposal 15649 - ARP298-IR (24) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, ARP298-IR (24), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 50D TO 80 D; ORIENT 225D TO 255 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(16)	ARP298-IR	RA: 23 03 15.9700 (345.8165417d) Dec: +08 52 55.00 (8.88194d) Equinox: J2000		V=14	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(16) ARP298-IR		WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.0,0.0		399.231067 Secs (399.231 Secs) [==>]	[1]
	2	(16) ARP298-IR		WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.474,0.424		399.231067 Secs (399.231 Secs) [==>]	[1]
	3	(16) ARP298-IR		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9			399.231067 Secs (399.231 Secs) [==>]	[1]
	4	(16) ARP298-IR		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.542,0.182		399.231067 Secs (399.231 Secs) [==>]	[1]
	5	(16) ARP298-IR		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.339,0.485		399.231067 Secs (399.231 Secs) [==>]	[1]
	6	(16) ARP298-IR		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG -0.203,0.303		399.231067 Secs (399.231 Secs) [==>]	[1]



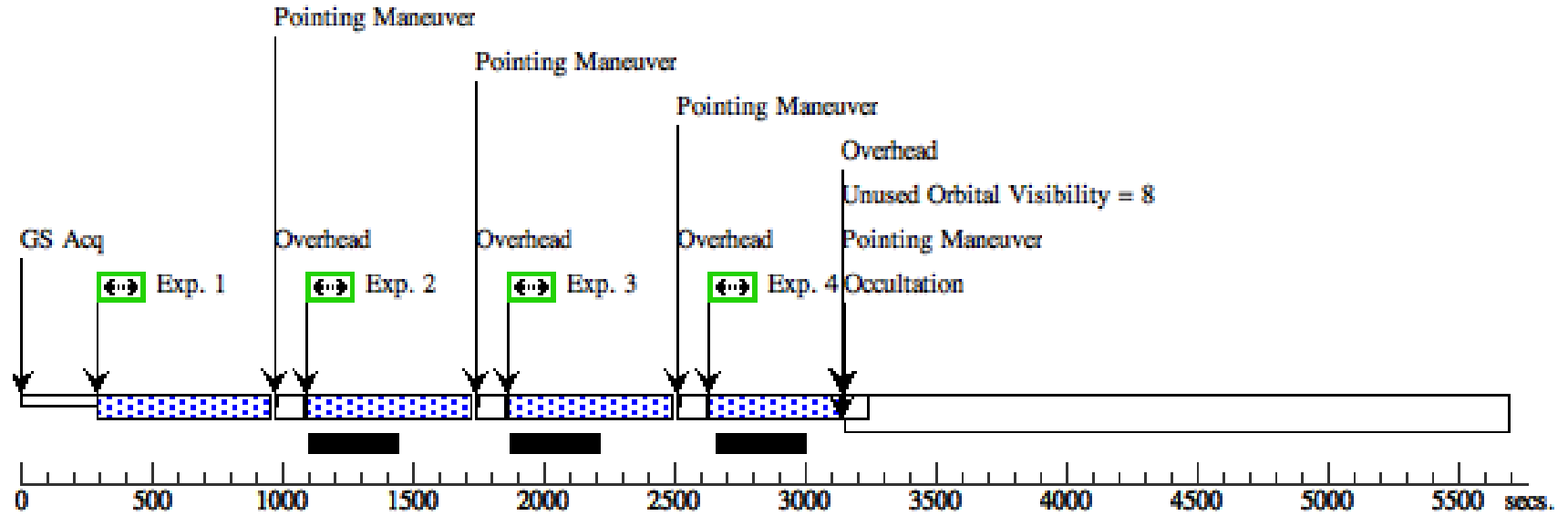
Proposal 15649 - MRK331-UVIS (25) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:18 GMT 2019

Visit	Proposal 15649, MRK331-UVIS (25), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SAME ORIENT AS 26									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(10)	MRK331-UVIS	RA: 23 51 22.6000 (357.8441667d) Dec: +20 34 53.00 (20.58139d) Equinox: J2000			V=14.4	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W-1	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12			635 Secs (635 Secs)	
									[==>]	[1]
	2	F275W-2	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.092,1.298		635 Secs (635 Secs)	
									[==>]	[1]
	3	F275W-3	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=12	POS TARG 0.185,2.497		635 Secs (635 Secs)	
									[==>]	[1]
	4	F555W-1	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				475 Secs (475 Secs)	
									[==>]	[1]
	5	F555W-2	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.092,1.298		475 Secs (475 Secs)	
									[==>]	[2]
	6	F555W-3	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.185,2.497		475 Secs (475 Secs)	
									[==>]	[2]
	7	F665W-1	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12			450 Secs (450 Secs)	
									[==>]	[2]
	8	F665W-2	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.092,1.298		450 Secs (450 Secs)	
									[==>]	[2]
	9	F665W-3	(10) MRK331-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F665N	FLASH=12	POS TARG 0.185,2.497		450 Secs (450 Secs)	
									[==>]	[2]

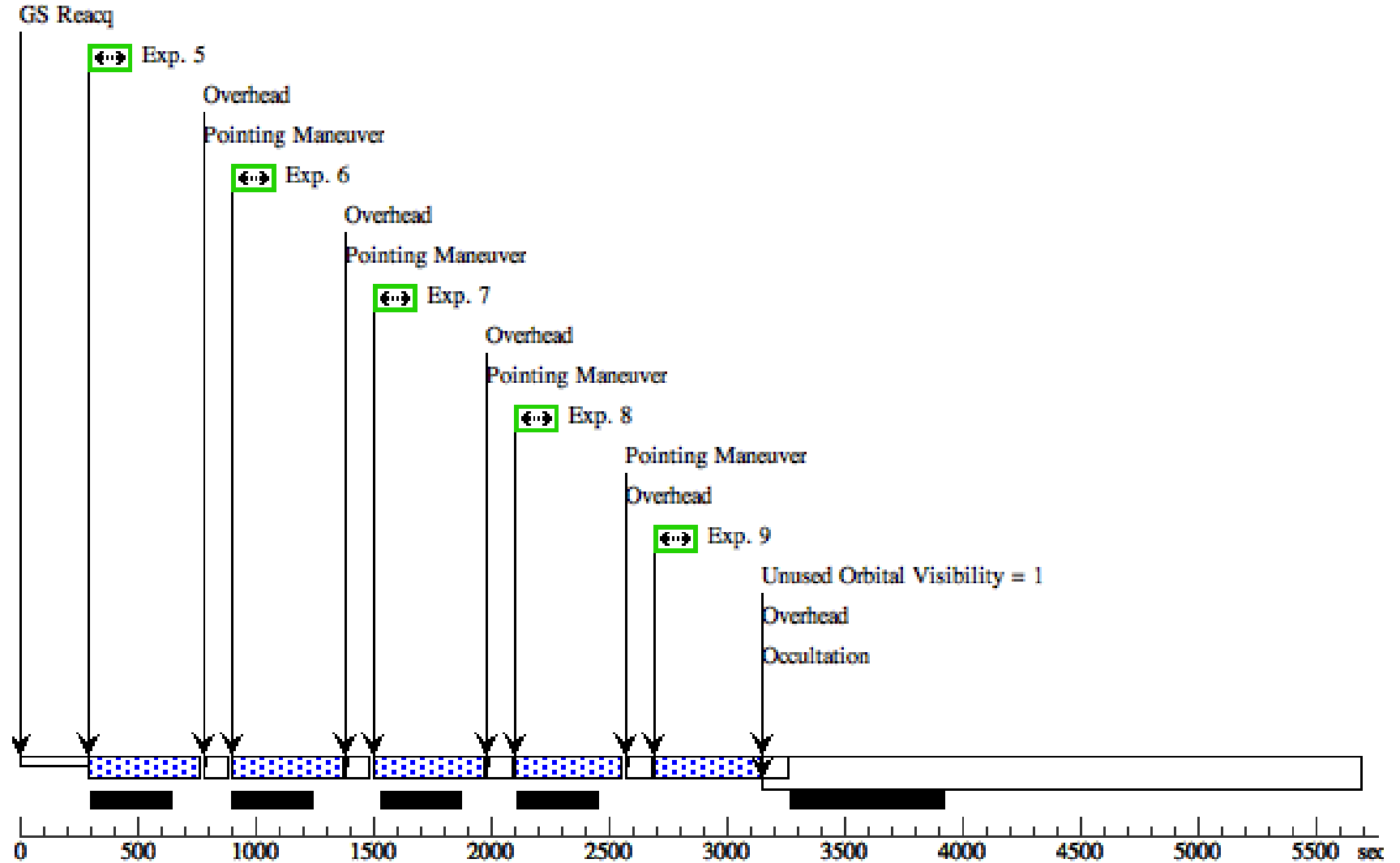
Orbit 1

Server Version: 20181130



Orbit Structure

Orbit 2



Proposal 15649 - MRK331-IR (26) - Clusters, Clumps, Dust and Gas in Extreme Star-Forming Galaxies

Fri Jan 25 15:01:19 GMT 2019

Visit	Proposal 15649, MRK331-IR (26), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 266D TO 283 D; ORIENT 342D TO 353 D; ORIENT 82D TO 106 D; ORIENT 163D TO 175 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(15)	MRK331-IR	RA: 23 51 23.3700 (357.8473750d) Dec: +20 34 56.70 (20.58242d) Equinox: J2000		V=14.4	Reference Frame: SIMBAD			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F130N-1	(15) MRK331-IR	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.0,0.0		399.231067 Secs (399.231 Secs) [==>]	[1]
	2	F130N-2	(15) MRK331-IR	WFC3/IR, MULTIACCUM, IR-FIX	F130N	SAMP-SEQ=STEP4 00; NSAMP=9	POS TARG 0.474,0.424		399.231067 Secs (399.231 Secs) [==>]	[1]
	3	F160W-1	(15) MRK331-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9			399.231067 Secs (399.231 Secs) [==>]	[1]
	4	F160W-2	(15) MRK331-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.542,0.182		399.231067 Secs (399.231 Secs) [==>]	[1]
	5	F160W-3	(15) MRK331-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG 0.339,0.485		399.231067 Secs (399.231 Secs) [==>]	[1]
	6	F160W-4	(15) MRK331-IR	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=9	POS TARG -0.203,0.303		399.231067 Secs (399.231 Secs) [==>]	[1]

