



15317 - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies

Revisited

Cycle: 25, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Imants Platais (PI) (Contact)	The Johns Hopkins University	imants@pha.jhu.edu
Dr. Rosemary F. Wyse (CoI)	The Johns Hopkins University	wyse@pha.jhu.edu
Dr. Vera Kozhurina-Platais (CoI) (Contact)	Space Telescope Science Institute	verap@stsci.edu

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) BOOTES-I-1 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:17.0	yes
02	(1) BOOTES-I-1 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:18.0	yes
03	(1) BOOTES-I-1 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:19.0	yes
04	(1) BOOTES-I-1 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:20.0	yes
05	(2) BOOTES-I-2 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:21.0	yes
06	(2) BOOTES-I-2 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:22.0	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>
07	(2) BOOTES-I-2 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:23.0	yes
08	(2) BOOTES-I-2 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:24.0	yes
09	(3) BOOTES-I-3 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:25.0	yes
10	(3) BOOTES-I-3 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:26.0	yes
11	(3) BOOTES-I-3 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:27.0	yes
12	(3) BOOTES-I-3 ANY	ACS/WFC WFC3/UVIS	2	07-Jan-2019 15:01:28.0	yes
13	(4) BOOTES-I-OFF	ACS/WFC	2	07-Jan-2019 15:01:28.0	yes

26 Total Orbits Used

ABSTRACT

The stellar Initial Mass Function plays a critical role in the evolution of the baryonic content of the Universe. The form of the low-mass IMF - stars of mass less than the solar mass - determines the fraction of baryons locked up for a Hubble time, and thus indicates how gas and metals are cycled through galaxies. Inferences from resolved stellar populations, where the low-mass luminosity function and associated IMF can be derived from direct star counts, generally favor an invariant and universal IMF. However, a recent study of ultra-faint dwarf galaxies Hercules and Leo IV indicates a "bottom-lite" IMF, over a narrow range of stellar mass (only 0.55-0.75 M_{sun}), correlated with the internal velocity dispersion and/or metallicity. We propose to obtain ultra-deep imaging for a significantly closer ultra-faint dwarf, Bootes I, which will allow us to construct the luminosity function down to $M_v=+10$ (equivalent to ~ 0.35 solar mass). We will also re-analyze the HST archival observations for the Hercules and Leo IV dwarfs using the same updated techniques as for Bootes I. The combined datasets should provide a reliable answer to the question of how variable is the low-mass stellar IMF.

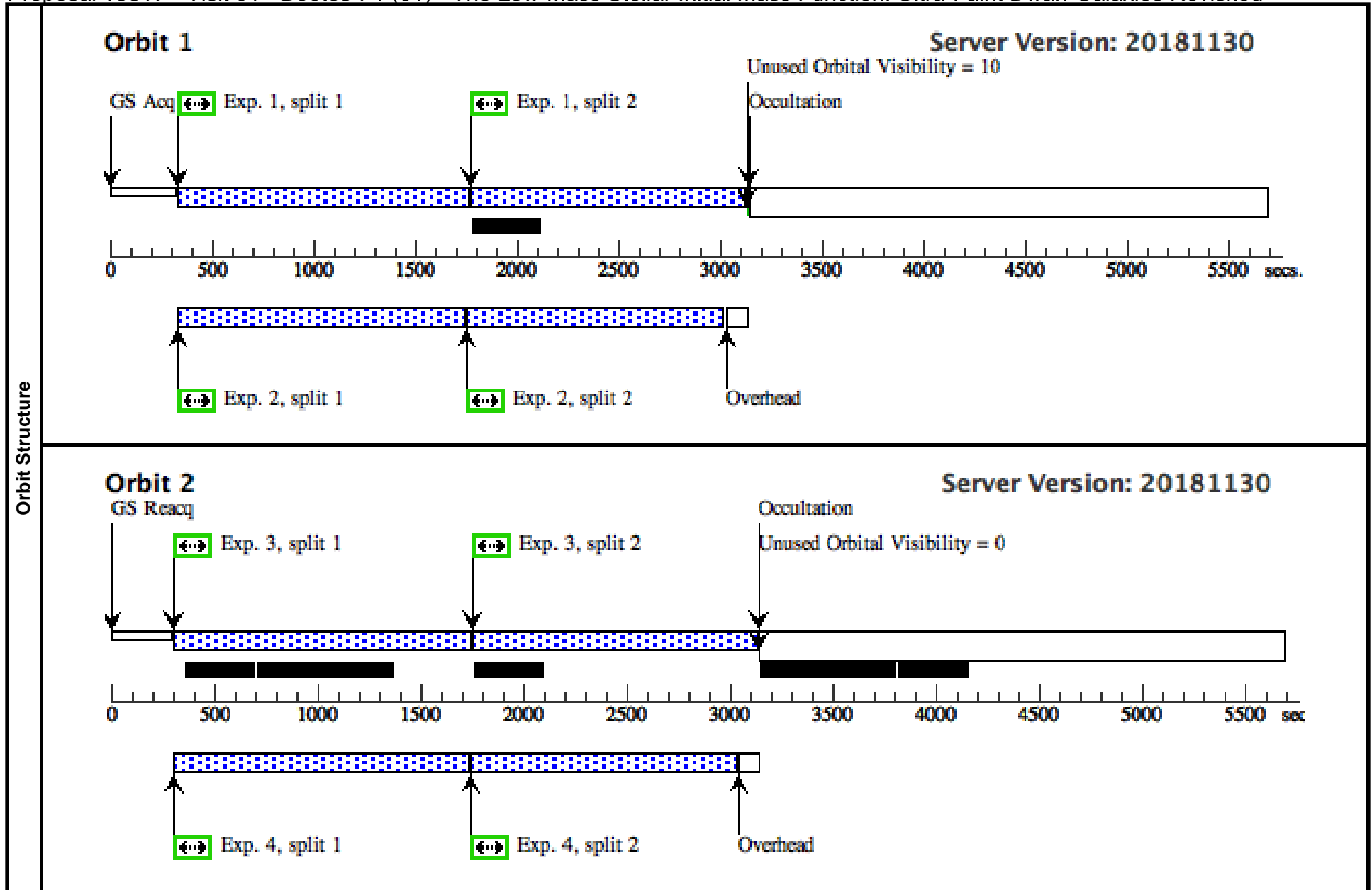
OBSERVING DESCRIPTION

We request all observations of the Bootes-I ultra-faint dwarf galaxy to be obtained at Orientation angles ranging from 128 to 129 degrees in accordance with the archival observations of GO-12549 upon which our science case is built. The timing of each visit can be arbitrary.

Proposal 15317 - Visit 01 - Bootes-I-1 (01) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

Mon Jan 07 20:01:29 GMT 2019

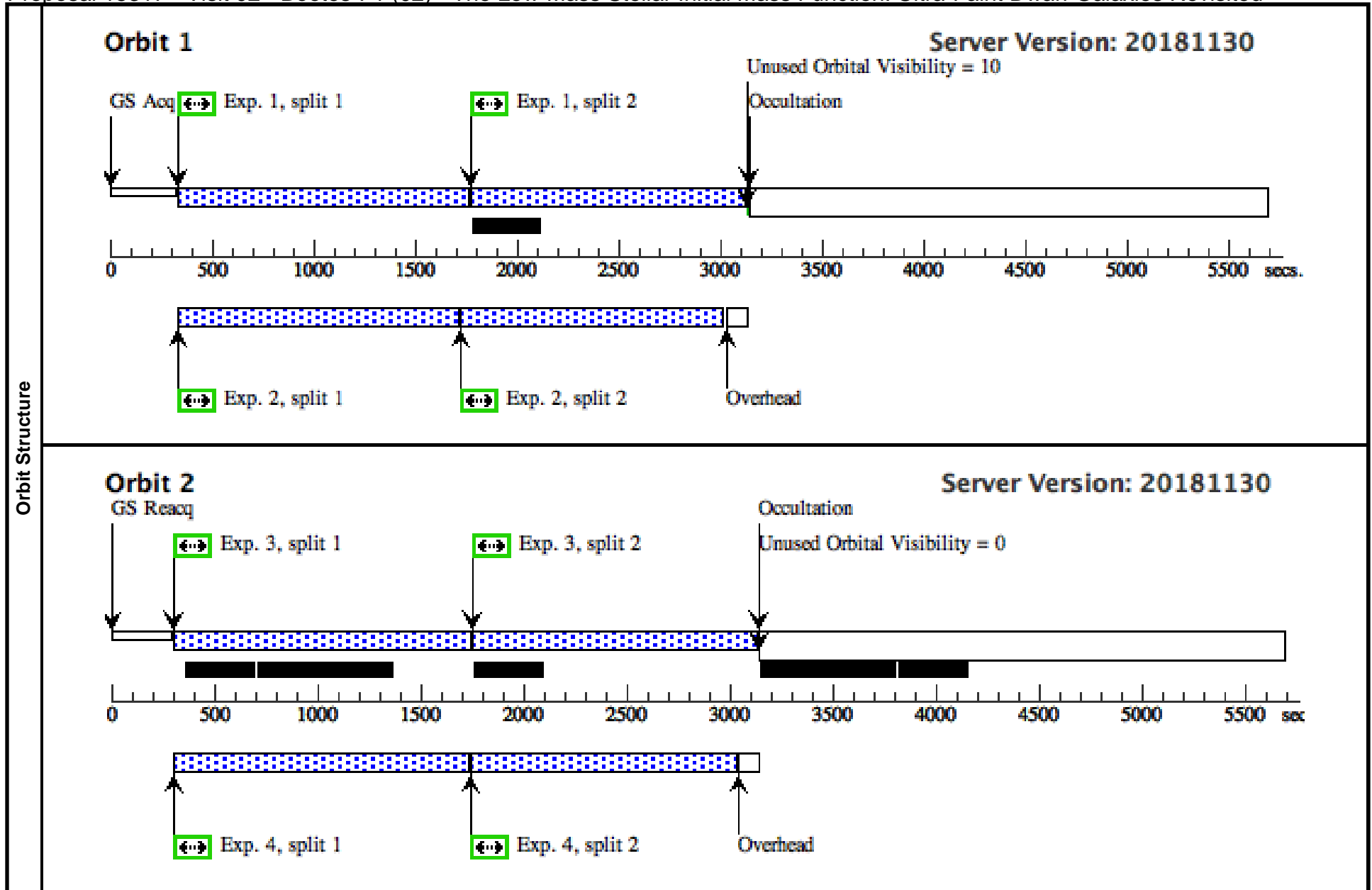
Visit	Proposal 15317, Visit 01 - Bootes-I-1 (01), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 129D TO 129 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	BOOTES-I-1	RA: 13 59 53.8473 (209.9743637d) Dec: +14 32 52.28 (14.54786d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(1) BOOTES-I-1	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0,0	Prime + Parallel Group 1-2 in Visit 01 - Bootes-I-1 (01)	2456 Secs (2448 Secs) [=>1224.0 Secs (Split 1)] [=>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 01 - Bootes-I-1 (01)	2700 Secs (2528 Secs) [=>1264.0 Secs (Split 1)] [=>1264.0 Secs (Split 2)]	[1]
	3	F814W	(1) BOOTES-I-1	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0,0	Prime + Parallel Group 3-4 in Visit 01 - Bootes-I-1 (01)	2646 Secs (2516 Secs) [=>1258.0 Secs (Split 1)] [=>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 01 - Bootes-I-1 (01)	2700 Secs (2578 Secs) [=>1289.0 Secs (Split 1)] [=>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 02 - Bootes-I-1 (02) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

Mon Jan 07 20:01:29 GMT 2019

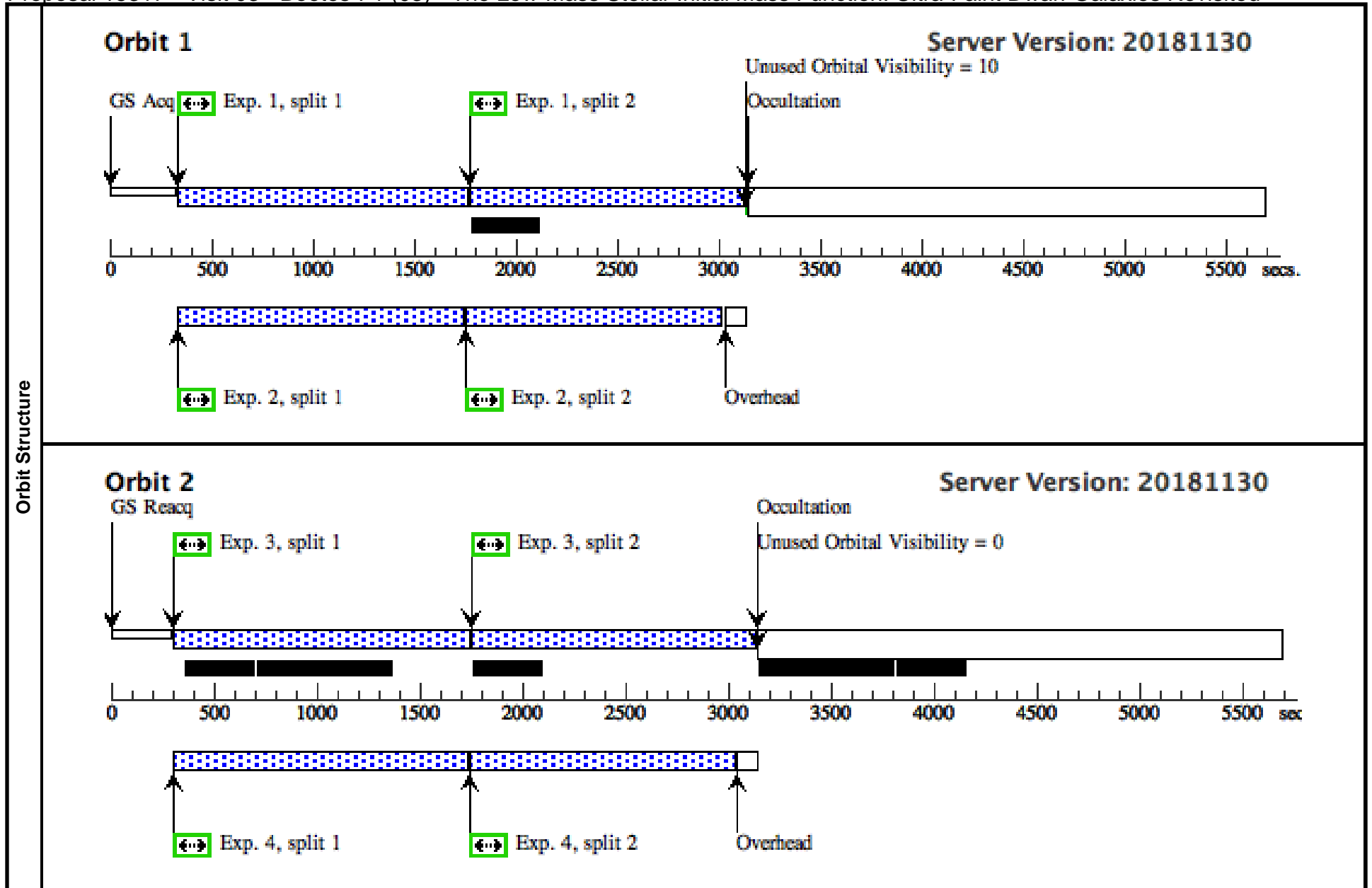
Visit	Proposal 15317, Visit 02 - Bootes-I-1 (02), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01																																																											
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>BOOTES-I-1</td> <td>RA: 13 59 53.8473 (209.9743637d) Dec: +14 32 52.28 (14.54786d) Equinox: J2000</td> <td></td> <td>V=12.8</td> <td>Reference Frame: ICRS</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=[DWARF SPHEROIDAL]</i> <i>Extended=NO</i> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	BOOTES-I-1	RA: 13 59 53.8473 (209.9743637d) Dec: +14 32 52.28 (14.54786d) Equinox: J2000		V=12.8	Reference Frame: ICRS	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=GALAXY</i> <i>Description=[DWARF SPHEROIDAL]</i> <i>Extended=NO</i>																																				
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Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>F606W</td> <td>(1) BOOTES-I-1</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F606W</td> <td>CR-SPLIT=2</td> <td>POS TARG 0.247,2.984</td> <td>Prime + Parallel Group 1-2 in Visit 02 - Bootes-I-1 (02)</td> <td>2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td></td> <td>ANY</td> <td>WFC3/UVIS, ACCUM, UVIS</td> <td>F606W</td> <td>CR-SPLIT=2</td> <td></td> <td>Prime + Parallel Group 1-2 in Visit 02 - Bootes-I-1 (02)</td> <td>2700 Secs (2528 Secs) [==>1234.0 Secs (Split 1)] [==>1294.0 Secs (Split 2)]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>F814W</td> <td>(1) BOOTES-I-1</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td>CR-SPLIT=2</td> <td>POS TARG 0.247,2.984</td> <td>Prime + Parallel Group 3-4 in Visit 02 - Bootes-I-1 (02)</td> <td>2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td></td> <td>ANY</td> <td>WFC3/UVIS, ACCUM, UVIS</td> <td>F814W</td> <td>CR-SPLIT=2</td> <td></td> <td>Prime + Parallel Group 3-4 in Visit 02 - Bootes-I-1 (02)</td> <td>2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]</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	F606W	(1) BOOTES-I-1	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.247,2.984	Prime + Parallel Group 1-2 in Visit 02 - Bootes-I-1 (02)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 02 - Bootes-I-1 (02)	2700 Secs (2528 Secs) [==>1234.0 Secs (Split 1)] [==>1294.0 Secs (Split 2)]	[1]	3	F814W	(1) BOOTES-I-1	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.247,2.984	Prime + Parallel Group 3-4 in Visit 02 - Bootes-I-1 (02)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 02 - Bootes-I-1 (02)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]
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4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 02 - Bootes-I-1 (02)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]																																																			



Proposal 15317 - Visit 03 - Bootes-I-1 (03) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

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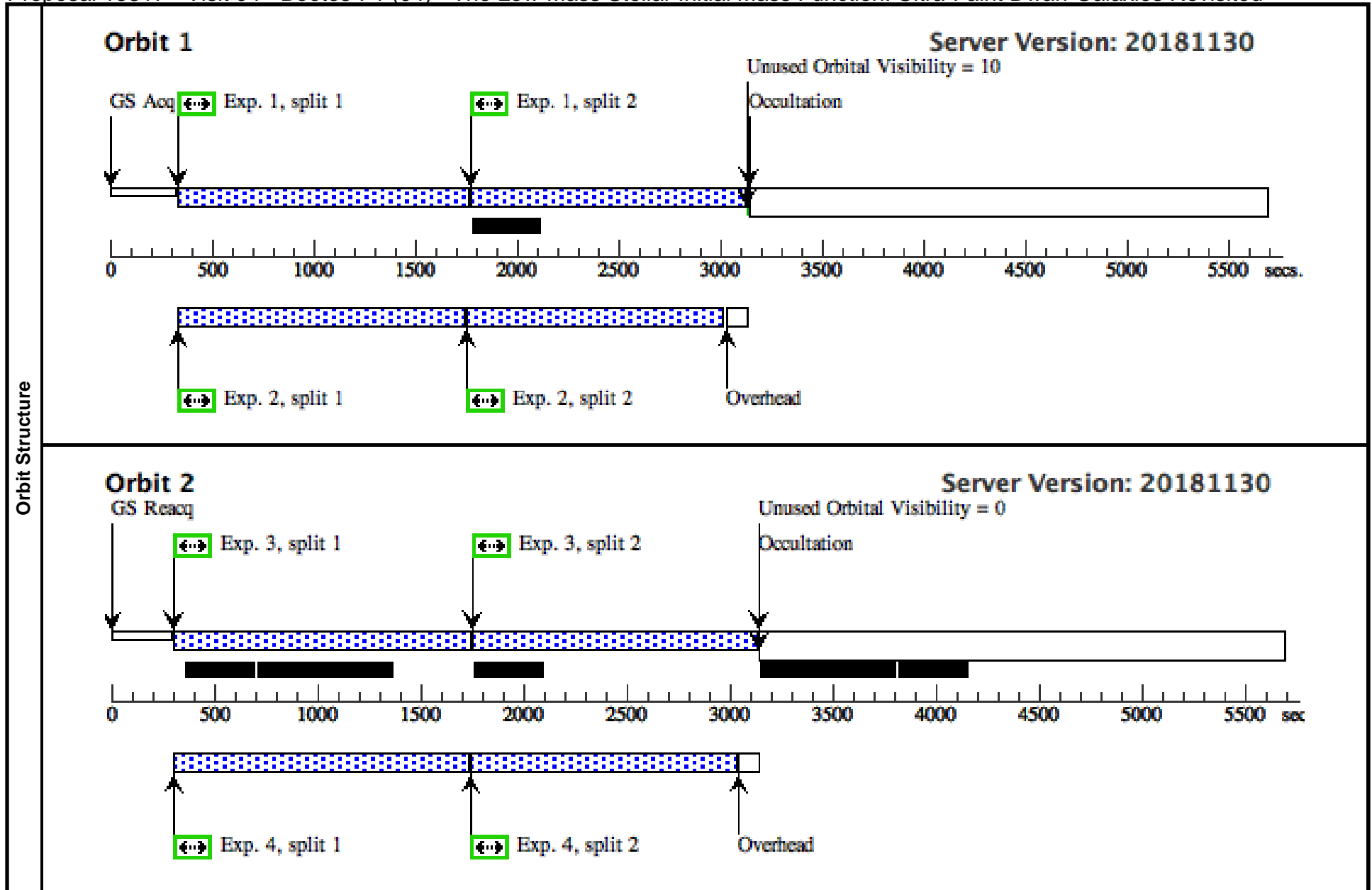
Visit	Proposal 15317, Visit 03 - Bootes-I-1 (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	BOOTES-I-1	RA: 13 59 53.8473 (209.9743637d) Dec: +14 32 52.28 (14.54786d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(1) BOOTES-I-1	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.222,0.0180	Prime + Parallel Group 1-2 in Visit 03 - Bootes-I-1 (03)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 03 - Bootes-I-1 (03)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(1) BOOTES-I-1	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.222,0.0180	Prime + Parallel Group 3-4 in Visit 03 - Bootes-I-1 (03)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 03 - Bootes-I-1 (03)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 04 - Bootes-I-1 (04) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

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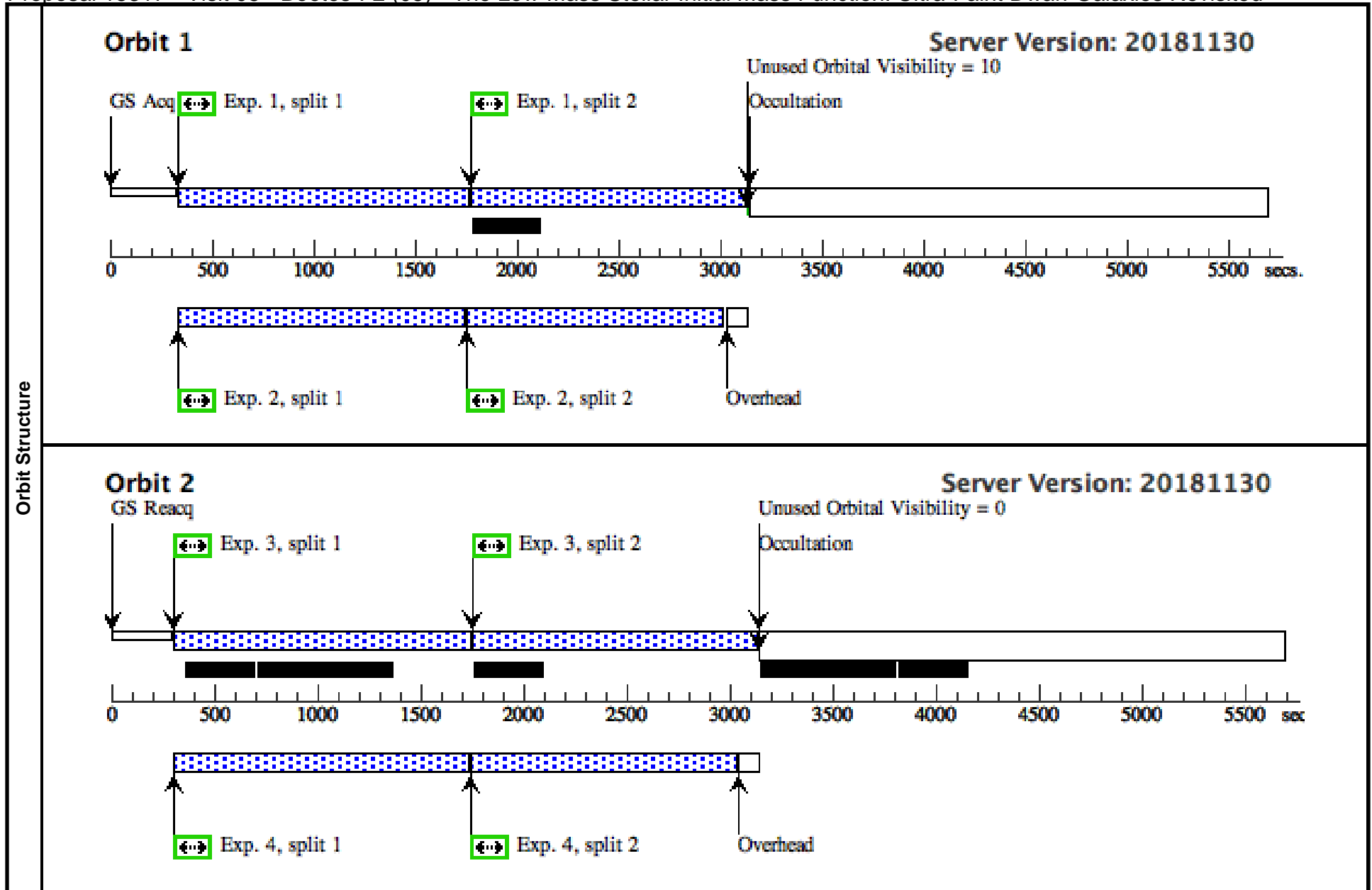
Visit	Proposal 15317, Visit 04 - Bootes-I-1 (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(1)	BOOTES-I-1	RA: 13 59 53.8473 (209.9743637d) Dec: +14 32 52.28 (14.54786d) Equinox: J2000		V=12.8	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(1) BOOTES-I-1	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.494,5.968	Prime + Parallel Group 1-2 in Visit 04 - Bootes-I-1 (04)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 04 - Bootes-I-1 (04)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(1) BOOTES-I-1	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.494,5.968	Prime + Parallel Group 3-4 in Visit 04 - Bootes-I-1 (04)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 04 - Bootes-I-1 (04)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 05 - Bootes-I-2 (05) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

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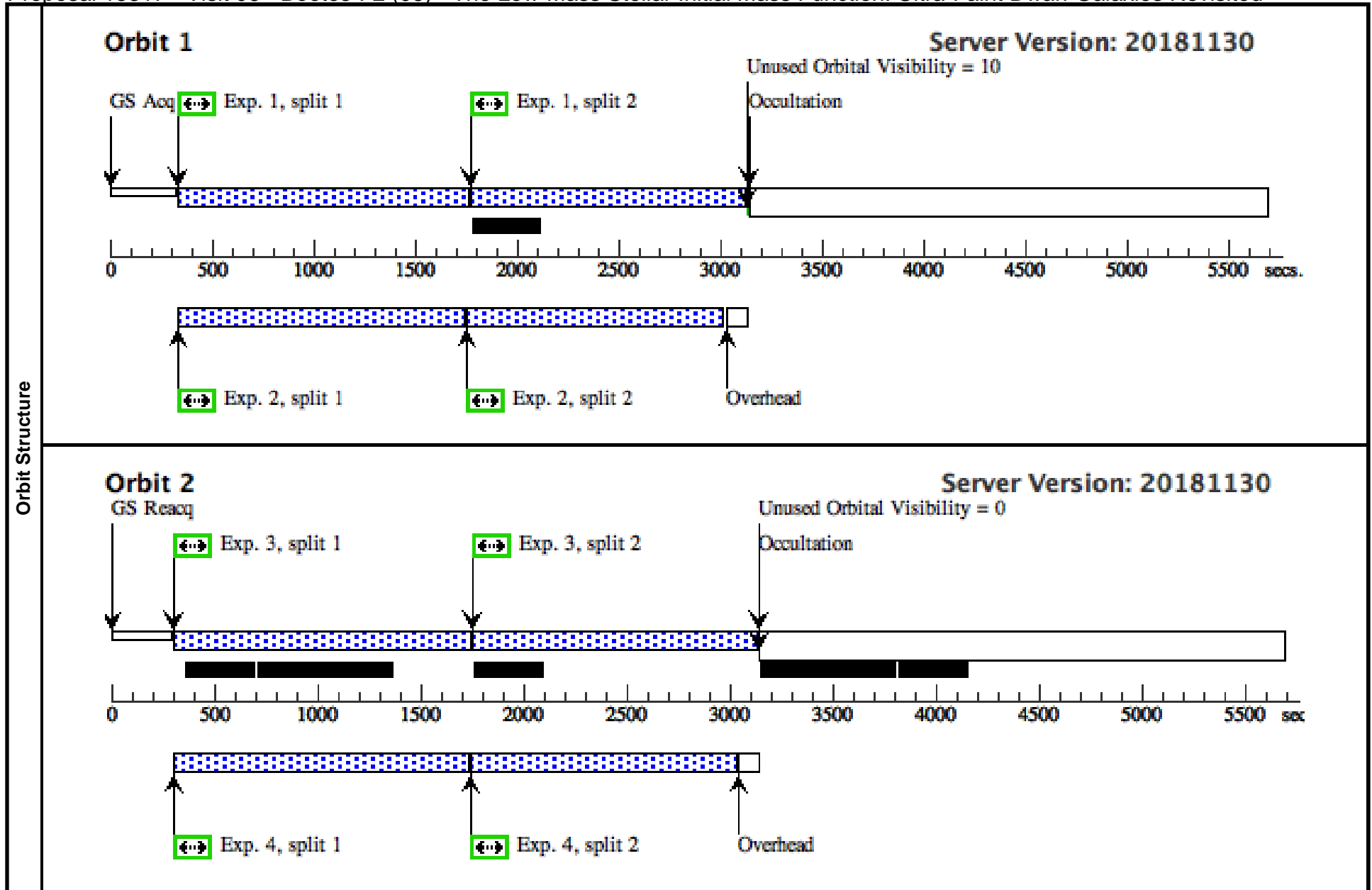
Visit	Proposal 15317, Visit 05 - Bootes-I-2 (05), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 129D TO 129 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	BOOTES-I-2	RA: 14 00 4.6803 (210.0195013d) Dec: +14 30 47.17 (14.51310d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(2) BOOTES-I-2	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0,0	Prime + Parallel Group 1-2 in Visit 05 - Bootes-I-2 (05)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 05 - Bootes-I-2 (05)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(2) BOOTES-I-2	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0,0	Prime + Parallel Group 3-4 in Visit 05 - Bootes-I-2 (05)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 05 - Bootes-I-2 (05)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 06 - Bootes-I-2 (06) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

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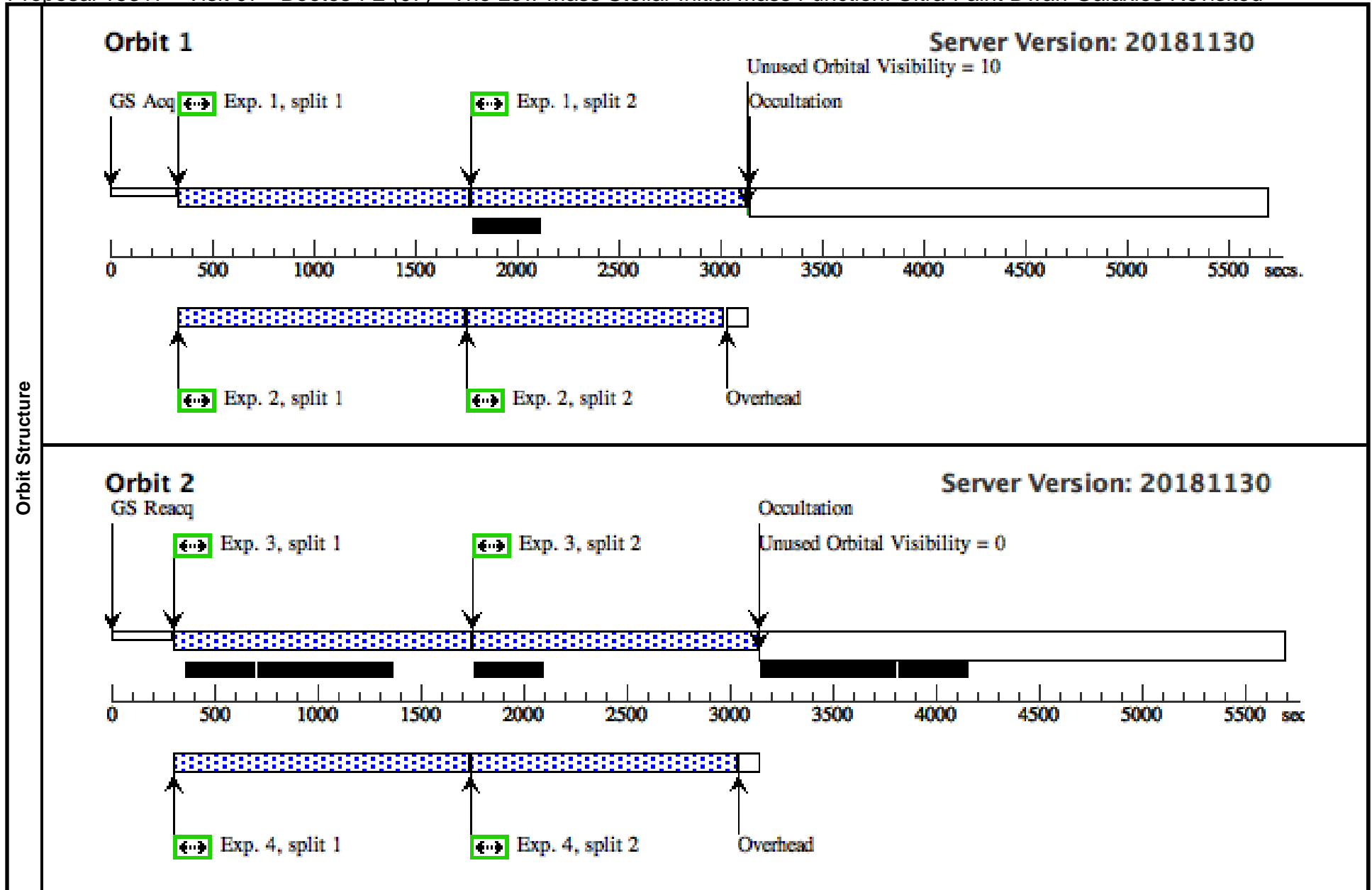
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	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	BOOTES-I-2	RA: 14 00 4.6803 (210.0195013d) Dec: +14 30 47.17 (14.51310d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(2) BOOTES-I-2	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.247,2.984	Prime + Parallel Group 1-2 in Visit 06 - Bootes-I-2 (06)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 06 - Bootes-I-2 (06)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(2) BOOTES-I-2	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.247,2.984	Prime + Parallel Group 3-4 in Visit 06 - Bootes-I-2 (06)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 06 - Bootes-I-2 (06)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 07 - Bootes-I-2 (07) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

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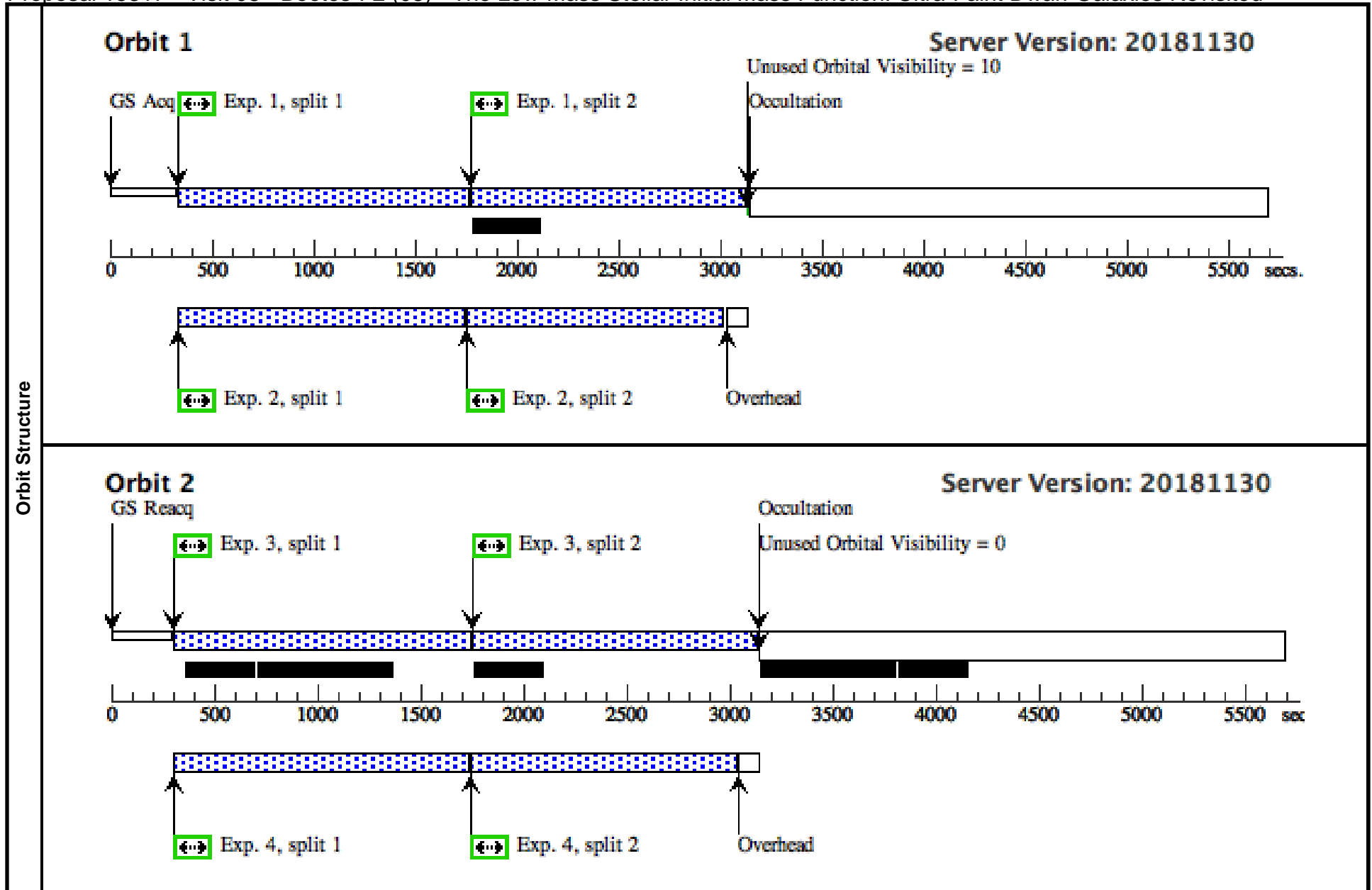
Visit	Proposal 15317, Visit 07 - Bootes-I-2 (07), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 05									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	BOOTES-I-2	RA: 14 00 4.6803 (210.0195013d) Dec: +14 30 47.17 (14.51310d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(2) BOOTES-I-2	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.222,0.0180	Prime + Parallel Group 1-2 in Visit 07 - Bootes-I-2 (07)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 07 - Bootes-I-2 (07)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(2) BOOTES-I-2	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.222,0.0180	Prime + Parallel Group 3-4 in Visit 07 - Bootes-I-2 (07)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 07 - Bootes-I-2 (07)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 08 - Bootes-I-2 (08) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

Mon Jan 07 20:01:29 GMT 2019

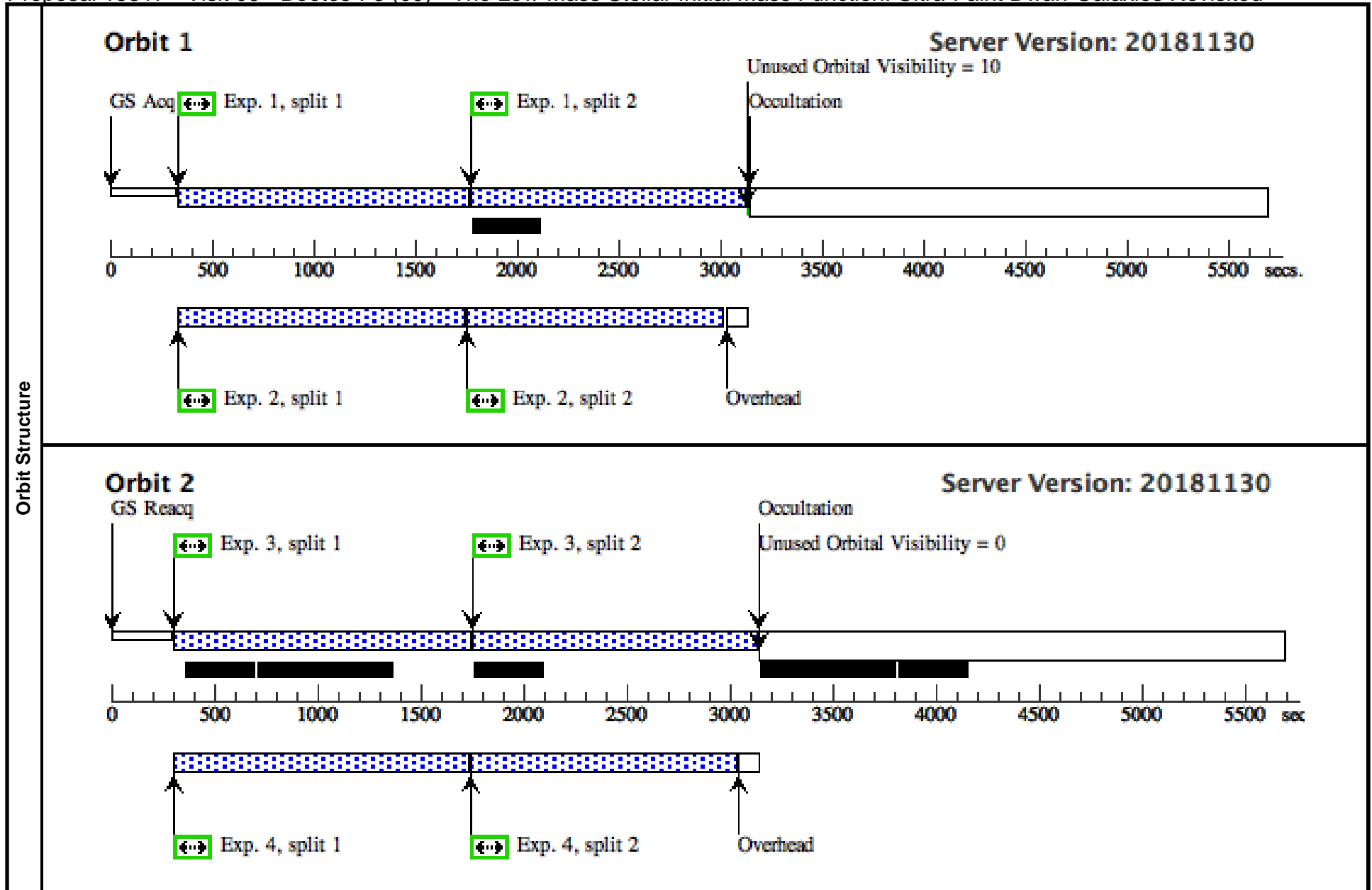
Visit	Proposal 15317, Visit 08 - Bootes-I-2 (08), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 05									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	BOOTES-I-2	RA: 14 00 4.6803 (210.0195013d) Dec: +14 30 47.17 (14.51310d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(2) BOOTES-I-2	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.494,5.968	Prime + Parallel Group 1-2 in Visit 08 - Bootes-I-2 (08)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 08 - Bootes-I-2 (08)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(2) BOOTES-I-2	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.494,5.968	Prime + Parallel Group 3-4 in Visit 08 - Bootes-I-2 (08)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 08 - Bootes-I-2 (08)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 09 - Bootes-I-3 (09) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

Mon Jan 07 20:01:29 GMT 2019

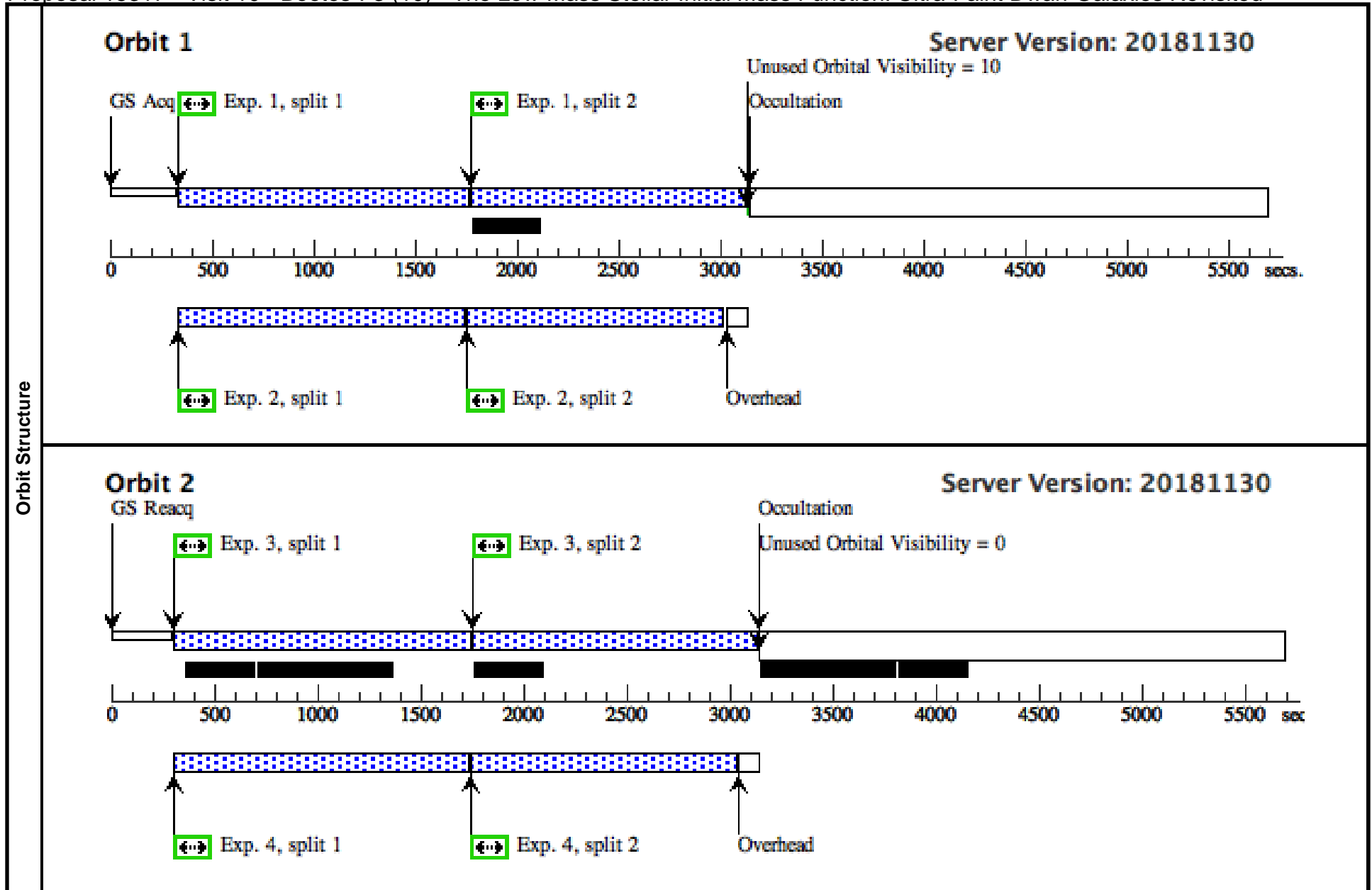
Visit	Proposal 15317, Visit 09 - Bootes-I-3 (09), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 129D TO 129 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	BOOTES-I-3	RA: 14 00 15.5099 (210.0646246d) Dec: +14 28 42.06 (14.47835d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(3) BOOTES-I-3	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0,0; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Visit 09 - Bootes-I-3 (09)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 09 - Bootes-I-3 (09)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(3) BOOTES-I-3	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0,0	Prime + Parallel Group 3-4 in Visit 09 - Bootes-I-3 (09)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 09 - Bootes-I-3 (09)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 10 - Bootes-I-3 (10) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

Mon Jan 07 20:01:29 GMT 2019

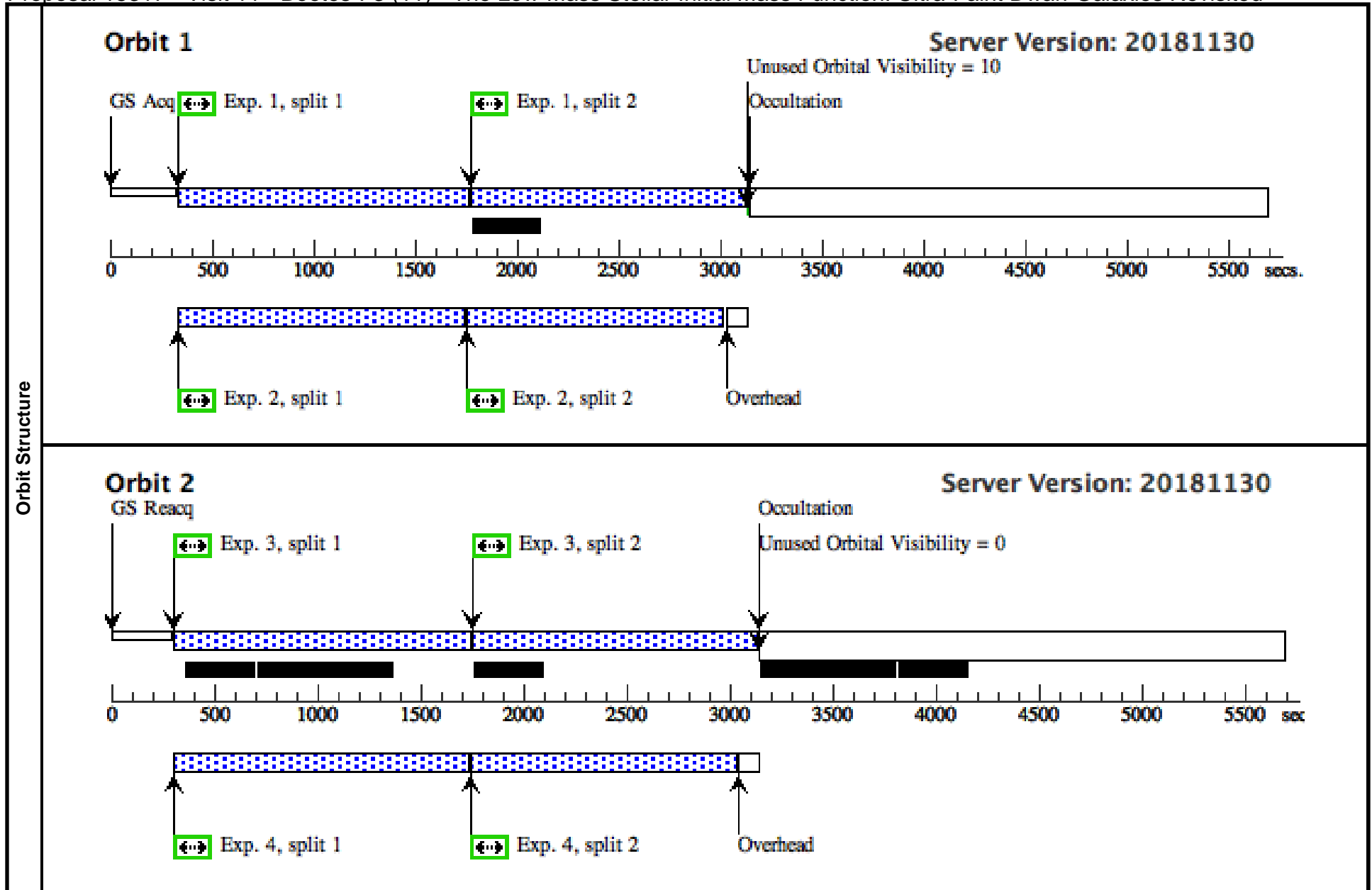
Visit	Proposal 15317, Visit 10 - Bootes-I-3 (10), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 09									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	BOOTES-I-3	RA: 14 00 15.5099 (210.0646246d) Dec: +14 28 42.06 (14.47835d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(3) BOOTES-I-3	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.247,2.984; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Visit 10 - Bootes-I-3 (10)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 10 - Bootes-I-3 (10)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(3) BOOTES-I-3	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.247,2.984	Prime + Parallel Group 3-4 in Visit 10 - Bootes-I-3 (10)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 10 - Bootes-I-3 (10)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 11 - Bootes-I-3 (11) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

Mon Jan 07 20:01:29 GMT 2019

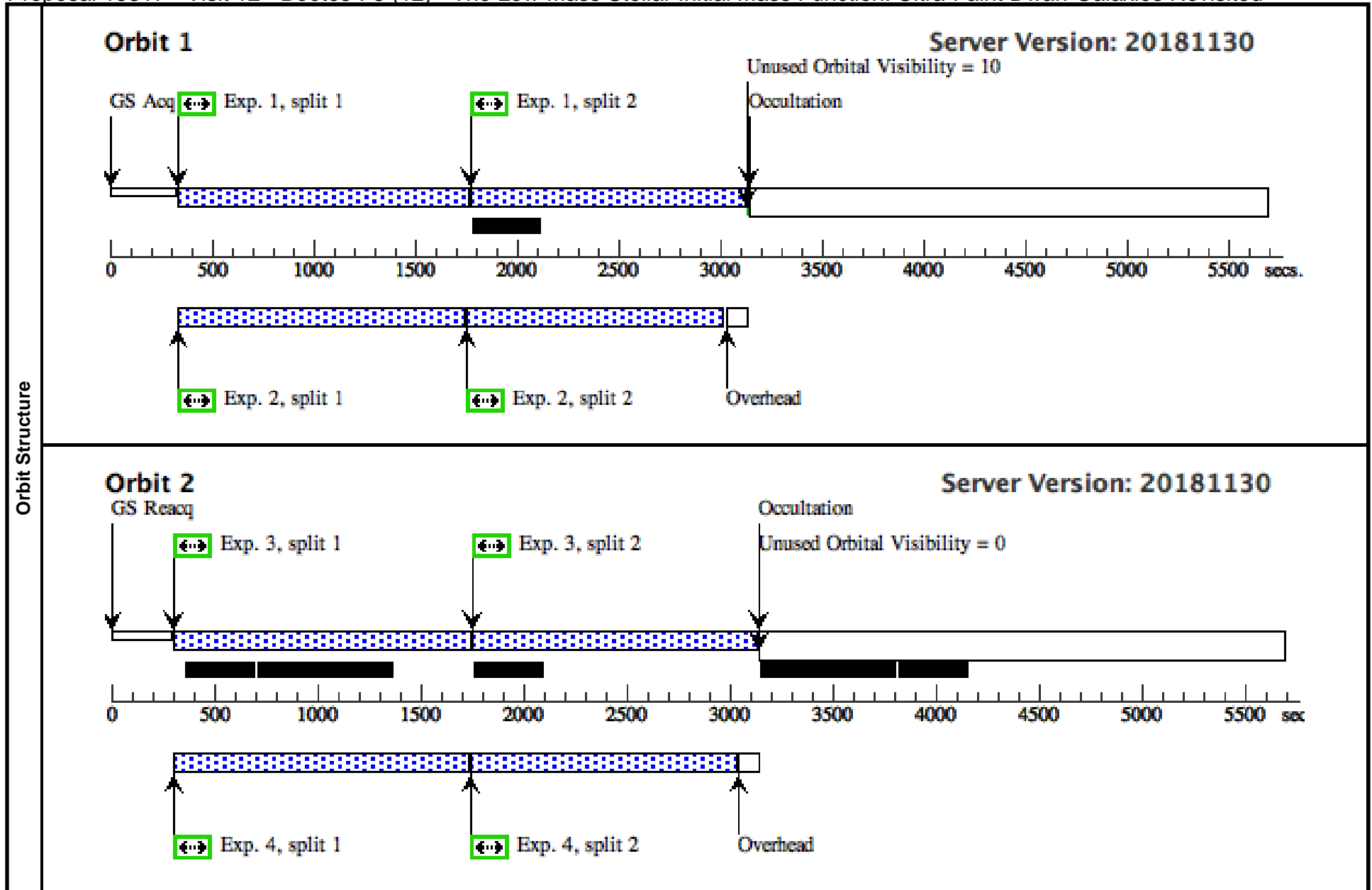
Visit		Proposal 15317, Visit 11 - Bootes-I-3 (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 09								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(3)	BOOTES-I-3	RA: 14 00 15.5099 (210.0646246d) Dec: +14 28 42.06 (14.47835d) Equinox: J2000		V=12.8	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(3) BOOTES-I-3	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.222,0.0180; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Visit 11 - Bootes-I-3 (11)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 11 - Bootes-I-3 (11)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(3) BOOTES-I-3	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.222,0.0180	Prime + Parallel Group 3-4 in Visit 11 - Bootes-I-3 (11)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 11 - Bootes-I-3 (11)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 12 - Bootes-I-3 (12) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

Mon Jan 07 20:01:29 GMT 2019

Visit		Proposal 15317, Visit 12 - Bootes-I-3 (12), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 09								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	BOOTES-I-3	RA: 14 00 15.5099 (210.0646246d) Dec: +14 28 42.06 (14.47835d) Equinox: J2000		V=12.8	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F606W	(3) BOOTES-I-3	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=2	POS TARG 0.494,5.968; GS ACQ SCENARIO BASE1B3	Prime + Parallel Group 1-2 in Visit 12 - Bootes-I-3 (12)	2456 Secs (2448 Secs) [==>1224.0 Secs (Split 1)] [==>1224.0 Secs (Split 2)]	[1]
	2		ANY	WFC3/UVIS, ACCUM, UVIS	F606W	CR-SPLIT=2		Prime + Parallel Group 1-2 in Visit 12 - Bootes-I-3 (12)	2700 Secs (2528 Secs) [==>1264.0 Secs (Split 1)] [==>1264.0 Secs (Split 2)]	[1]
	3	F814W	(3) BOOTES-I-3	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=2	POS TARG 0.494,5.968	Prime + Parallel Group 3-4 in Visit 12 - Bootes-I-3 (12)	2646 Secs (2516 Secs) [==>1258.0 Secs (Split 1)] [==>1258.0 Secs (Split 2)]	[2]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=2		Prime + Parallel Group 3-4 in Visit 12 - Bootes-I-3 (12)	2700 Secs (2578 Secs) [==>1289.0 Secs (Split 1)] [==>1289.0 Secs (Split 2)]	[2]



Proposal 15317 - Visit 13 - Bootes -I-OFF (13) - The Low-Mass Stellar Initial Mass Function: Ultra-Faint Dwarf Galaxies Revisited

Mon Jan 07 20:01:30 GMT 2019

Visit	Proposal 15317, Visit 13 - Bootes -I-OFF (13), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: ACS/WFC				
	Special Requirements: ORIENT 110D TO 140 D				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	BOOTES-I-OFF	RA: 13 59 54.0300 (209.9751250d) Dec: +15 57 45.65 (15.96268d) Equinox: J2000		V=20	Reference Frame: ICRS
	<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL]					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) BOOTES-I-OFF	ACS/WFC, ACCUM, WFCENTER	F606W		GS ACQ SCENARI O BASE1B3		2603 Secs (2603 Secs)	
									[==>]	[1]
	2		(4) BOOTES-I-OFF	ACS/WFC, ACCUM, WFCENTER	F814W				2660 Secs (2660 Secs)	
									[==>]	[2]

