



15851 - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-DF2

Cycle: 27, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:23.0	yes
02	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:24.0	yes
03	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:25.0	yes
04	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:26.0	yes
05	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:27.0	yes
06	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:28.0	yes
56	(1) NGC1052-DF2	ACS/WFC	1	10-Jul-2020 07:00:29.0	yes

Proposal 15851 (STScI Edit Number: 1, Created: Friday, July 10, 2020 at 6:00:44 AM Eastern Standard Time) - Overview

<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	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:30.0	yes
08	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:31.0	yes
09	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:33.0	yes
10	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:34.0	yes
11	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:35.0	yes
12	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:36.0	yes
13	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:37.0	yes
14	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:38.0	yes
15	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:39.0	yes
16	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:40.0	yes
17	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:41.0	yes
18	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:42.0	yes
19	(1) NGC1052-DF2	ACS/WFC	2	10-Jul-2020 07:00:44.0	yes

39 Total Orbits Used

ABSTRACT

The galaxy NGC1052-DF2 has been the topic of intense debate since it was announced in March 2018, with 33 papers having been written on it in the past twelve months. It appears to have an unprecedented population of luminous globular clusters and an unprecedented low dark matter fraction. The interpretation is critically dependent on its distance. Initial studies found a distance of 19 Mpc from surface brightness fluctuations, but it has been suggested that the galaxy could be significantly closer. Almost all its properties are distance-dependent, and for $D \sim 13$ Mpc it is not particularly unusual. This proposal requests deep HST imaging to unambiguously measure the distance to NGC1052-DF2 from the tip of the red giant branch (TRGB). With 20+20 orbits (19+19 requested and 1+1 existing) of F814W+F606W imaging the TRGB can be reliably detected out to $D \sim 20$ Mpc, providing a distance with an uncertainty of $\sim 5\%$. Additional science goals include a measurement of the morphology of the galaxy at large radii from star counts, an investigation of tidal streams that may be associated with the bright globular clusters, and a search for distant globular clusters in parallel UVIS fields.

OBSERVING DESCRIPTION

NGC1052-DF2 will be observed with ACS in F606W and F814W, with 19 orbits in each band.

The program is split in 19 2-orbit visits. Each visit has 1 orbit F814W and 1 orbit F606W.

The observations have no ORIENT constraints but are split in three epochs, to identify variable stars on the AGB.

Epoch 1 has visits 1-6; epoch 2 has visit 7-13; and epoch 3 has visits 14-19.

The first visit (visit 1) has no scheduling constraints. All visits in each epoch are scheduled to be executed within 5 days of each other. The first visit of the second epoch (visit 7) is scheduled to be executed within 30-60 days of the first visit of the first epoch. The first visit of the third epoch (visit 14) is scheduled to be executed within 30-60 days of the first visit of the second epoch.

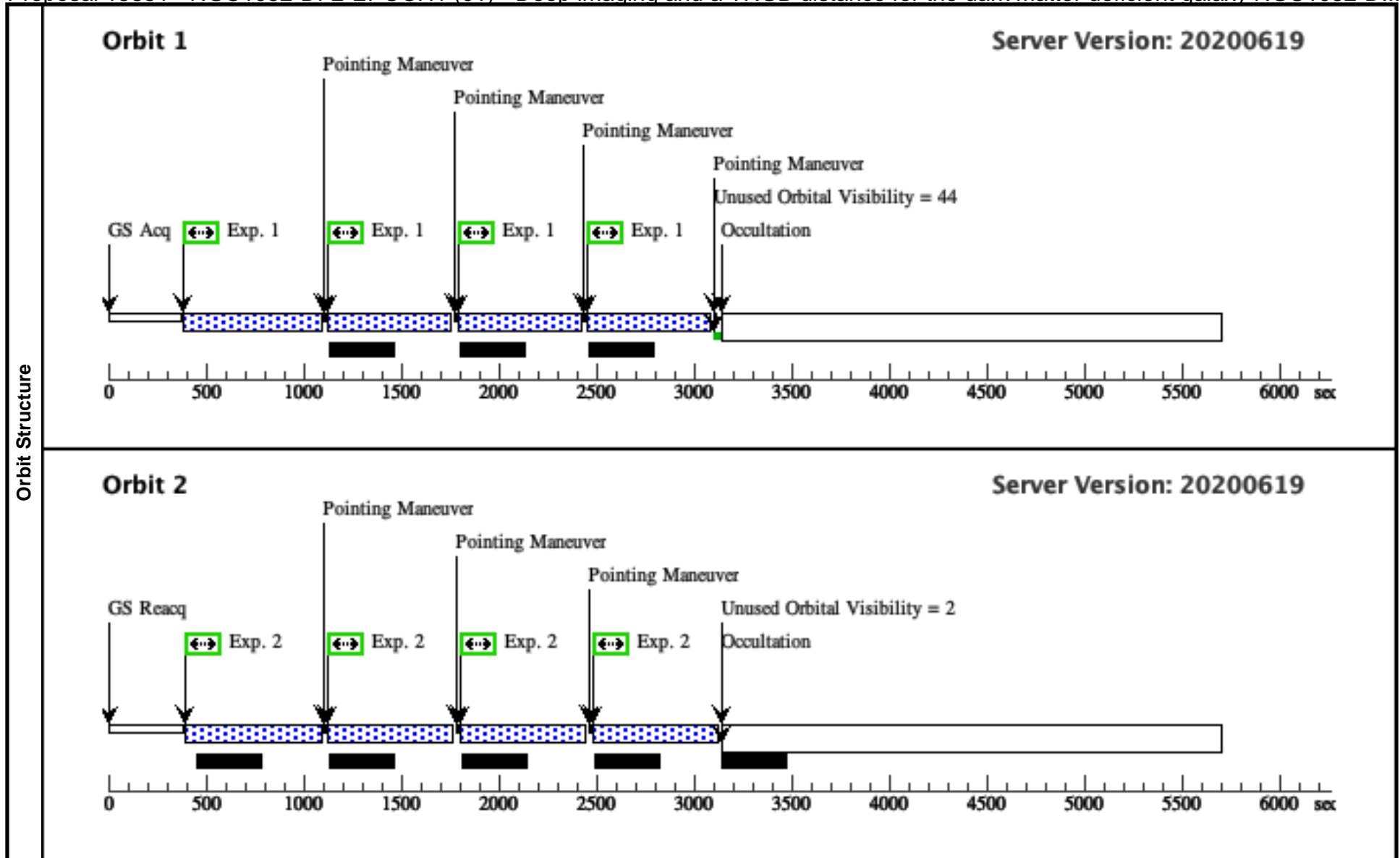
Within each orbit, 4 exposures are taken in a 4-point dither pattern to remove cosmic rays, identify hot pixels, and dither over the chip gap.

Furthermore, each visit has a POS_TARG so that the chip edge is not always in the same location, and also avoids the center of the galaxy. The POS_TARGs for visits 1-6 are 0,10; 0,13; 0,16; 0,-10; 0,-13; and 0,-16 (all in arcsec with respect to the WFCENTER aperture). These POS_TARGs repeat for the other epochs, as the chip gap will be in a different location due to the different ORIENTs of those epochs.

Due to the combination of POS_TARGs and timing constraints the chip gap will be dithered around the frame, yielding uniform coverage with the galaxy in the middle of the final, combined frame.

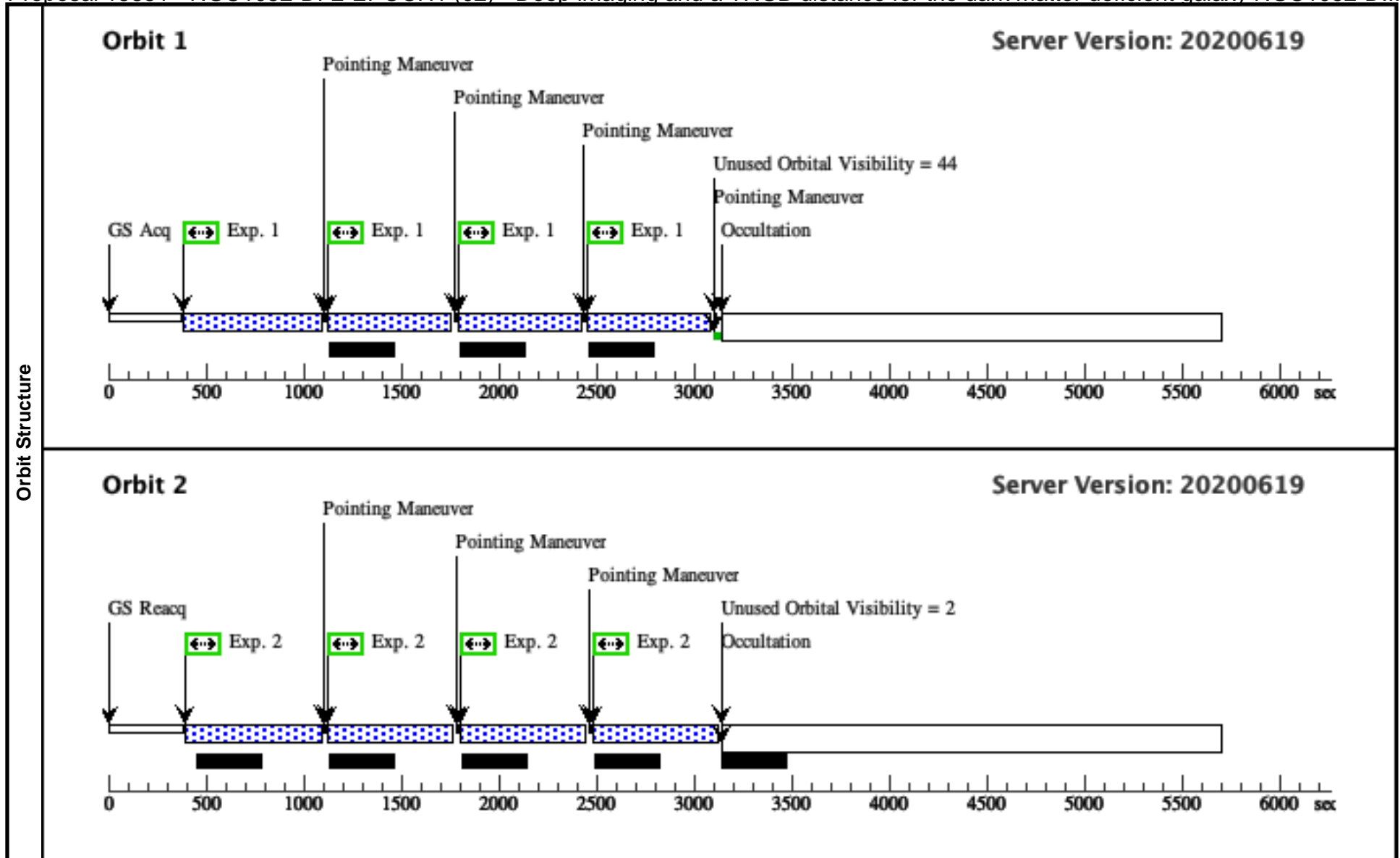
Proposal 15851 - NGC1052-DF2-EPOCH1 (01) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit	Proposal 15851, NGC1052-DF2-EPOCH1 (01), completed Fri Jul 10 11:00:44 GMT 2020									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,10	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH1 (01) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,10	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH1 (01) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	



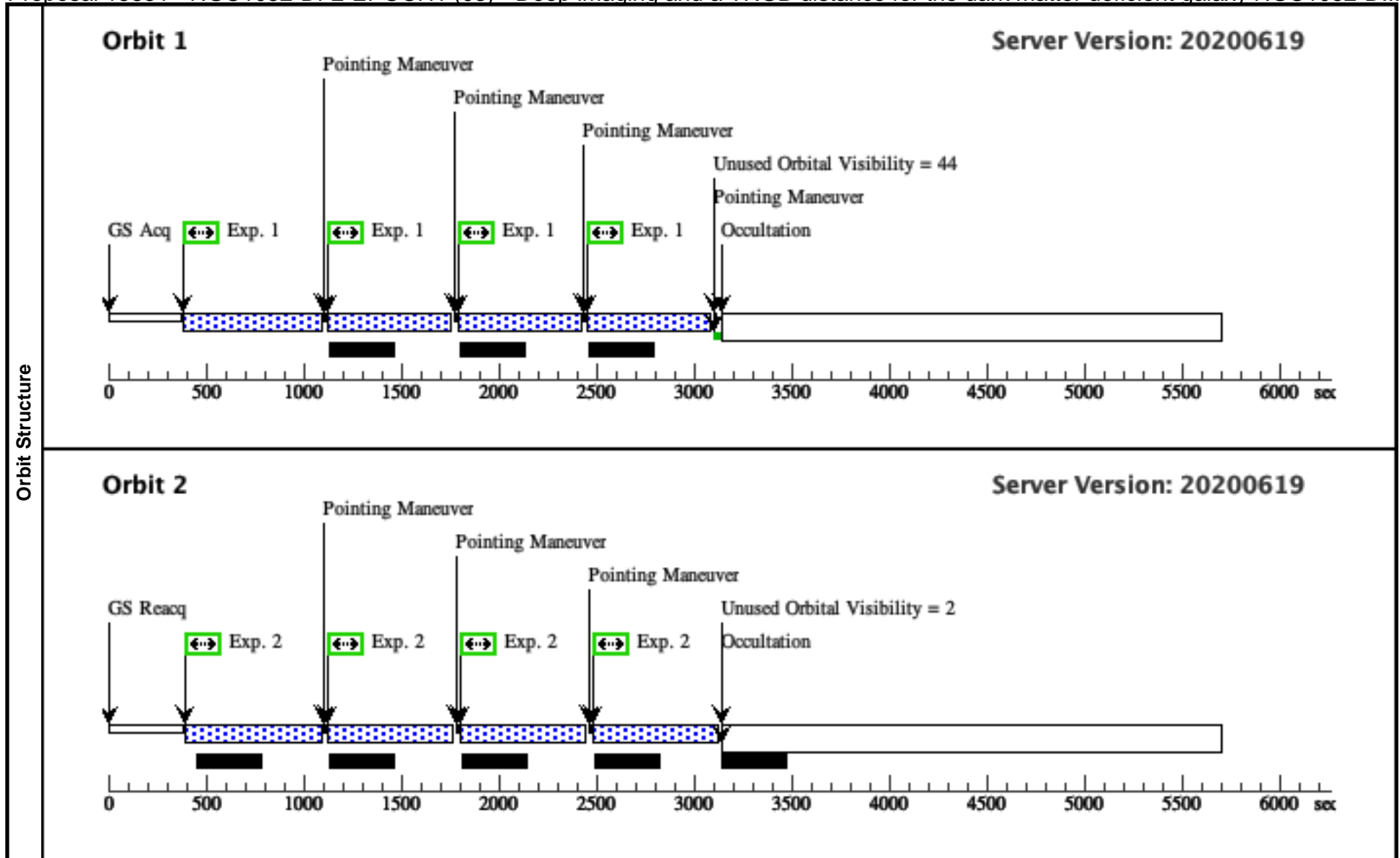
Proposal 15851 - NGC1052-DF2-EPOCH1 (02) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit		Proposal 15851, NGC1052-DF2-EPOCH1 (02), completed Fri Jul 10 11:00:44 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 01 BY 0 D TO 5 D								
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,13	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH1 (02) (1)	505 Secs (2020 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,13	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH1 (02) (1)	520 Secs (2080 Secs)		
								[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	



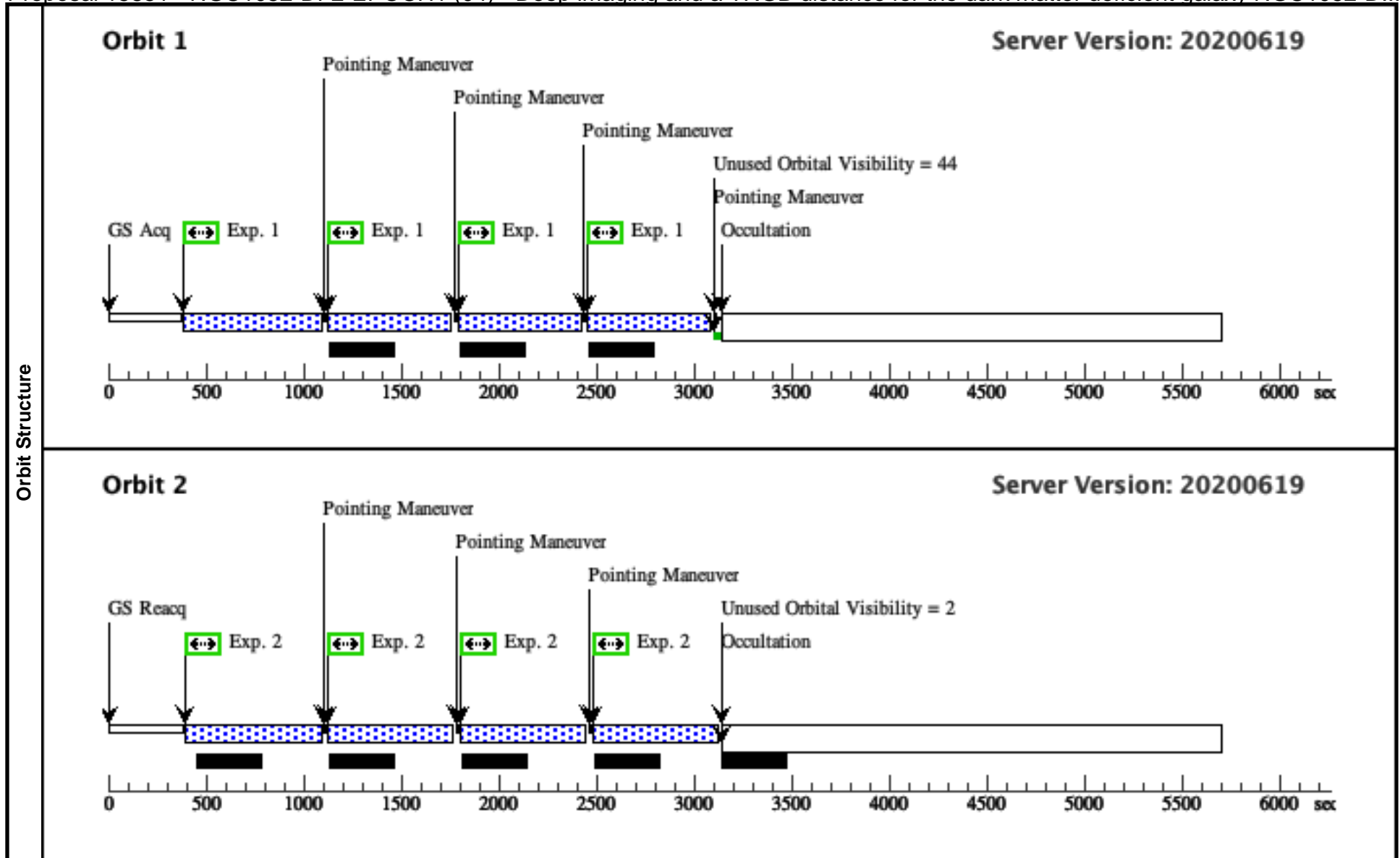
Proposal 15851 - NGC1052-DF2-EPOCH1 (03) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit	Proposal 15851, NGC1052-DF2-EPOCH1 (03), completed Fri Jul 10 11:00:44 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 01 BY 0 D TO 5 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,16	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH1 (03) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,16	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH1 (03) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]



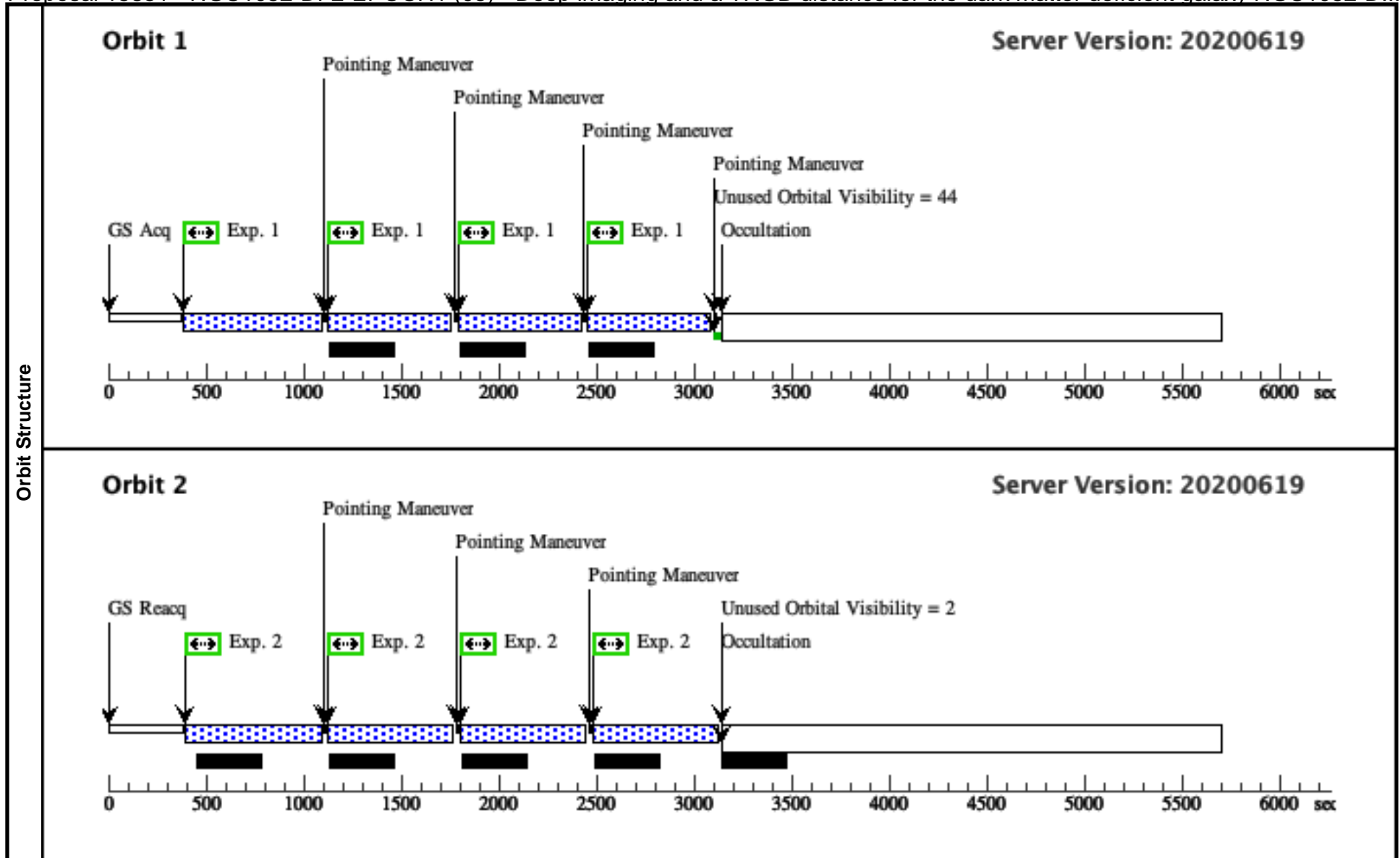
Proposal 15851 - NGC1052-DF2-EPOCH1 (04) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit		Proposal 15851, NGC1052-DF2-EPOCH1 (04), completed Fri Jul 10 11:00:45 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 01 BY 0 D TO 5 D								
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,-10	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH1 (04) (1)	505 Secs (2020 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,-10	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH1 (04) (1)	520 Secs (2080 Secs)		
								[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	



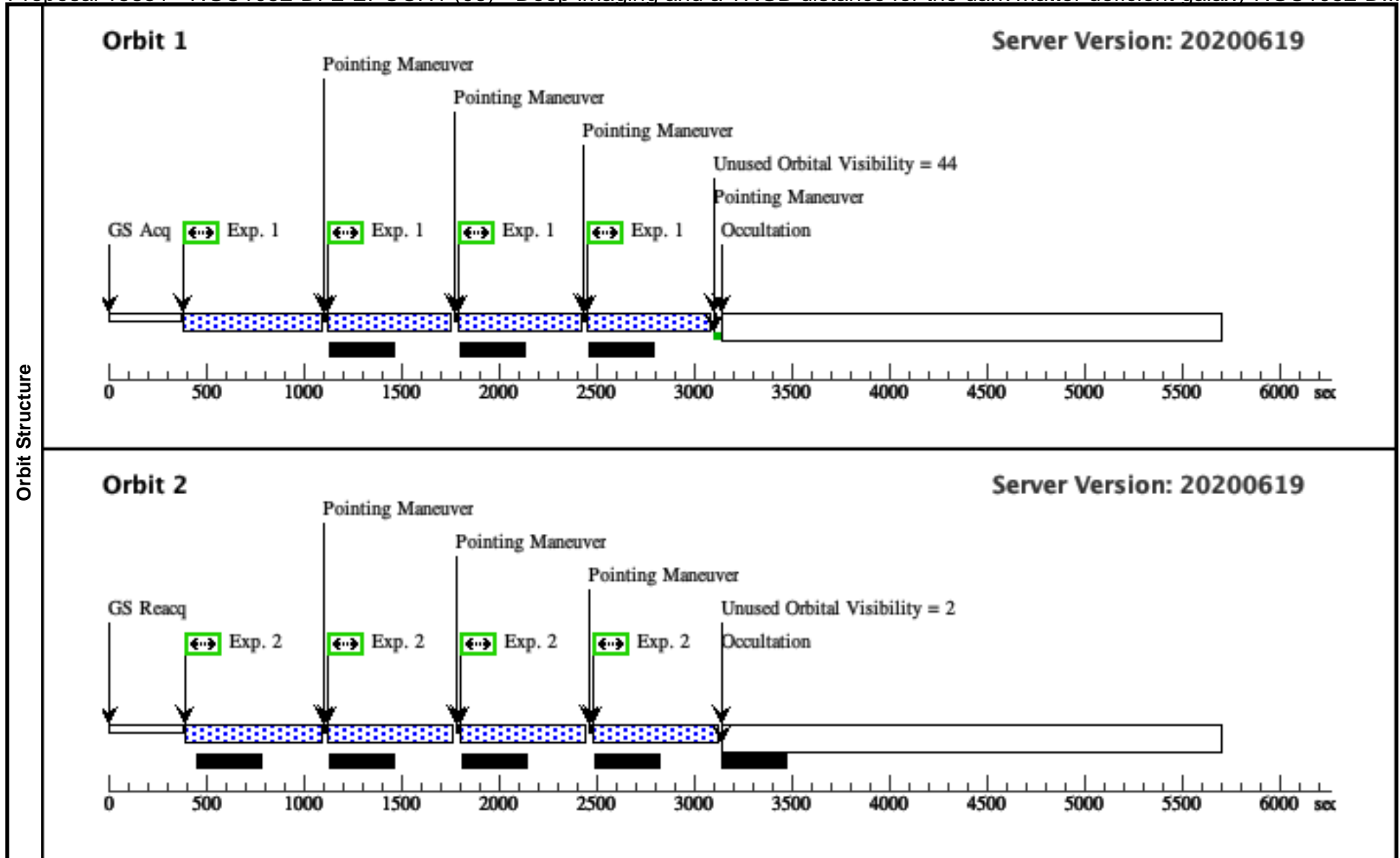
Proposal 15851 - NGC1052-DF2-EPOCH1 (05) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit		Proposal 15851, NGC1052-DF2-EPOCH1 (05), completed Fri Jul 10 11:00:45 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 01 BY 0 D TO 5 D								
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,-13	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH1 (05) (1)	505 Secs (2020 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,-13	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH1 (05) (1)	520 Secs (2080 Secs)		
								[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	



Proposal 15851 - NGC1052-DF2-EPOCH1 (06) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

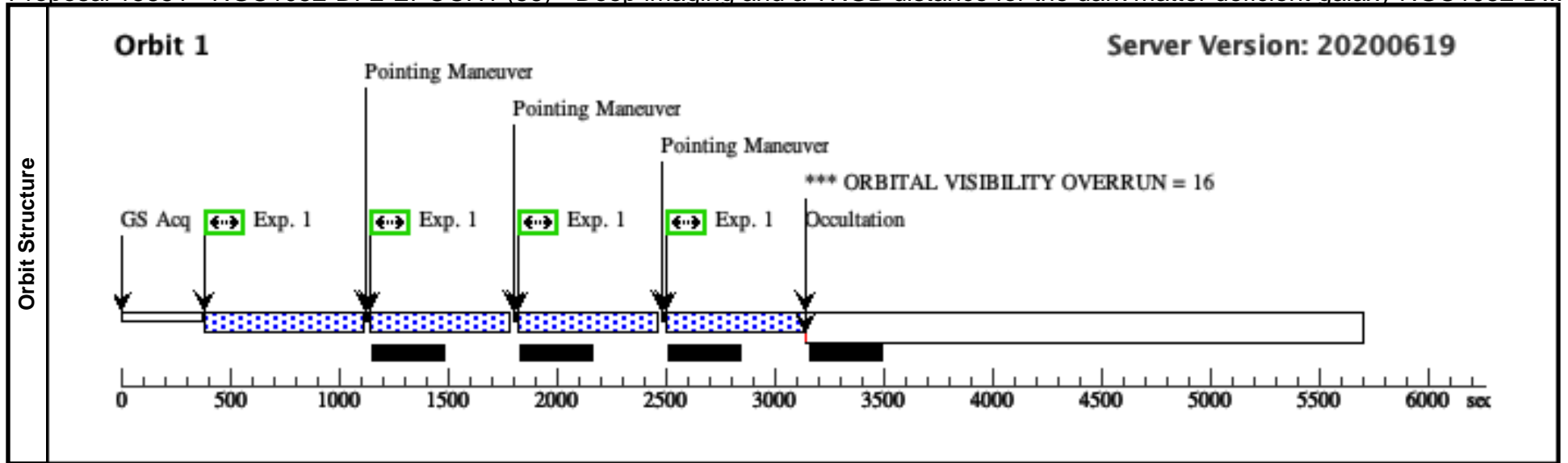
Visit		Proposal 15851, NGC1052-DF2-EPOCH1 (06), failed Fri Jul 10 11:00:45 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 01 BY 0 D TO 5 D								
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,-16	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH1 (06) (1)	505 Secs (2020 Secs)	
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2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,-16	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH1 (06) (1)	520 Secs (2080 Secs)		
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Proposal 15851 - NGC1052-DF2-EPOCH1 (56) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

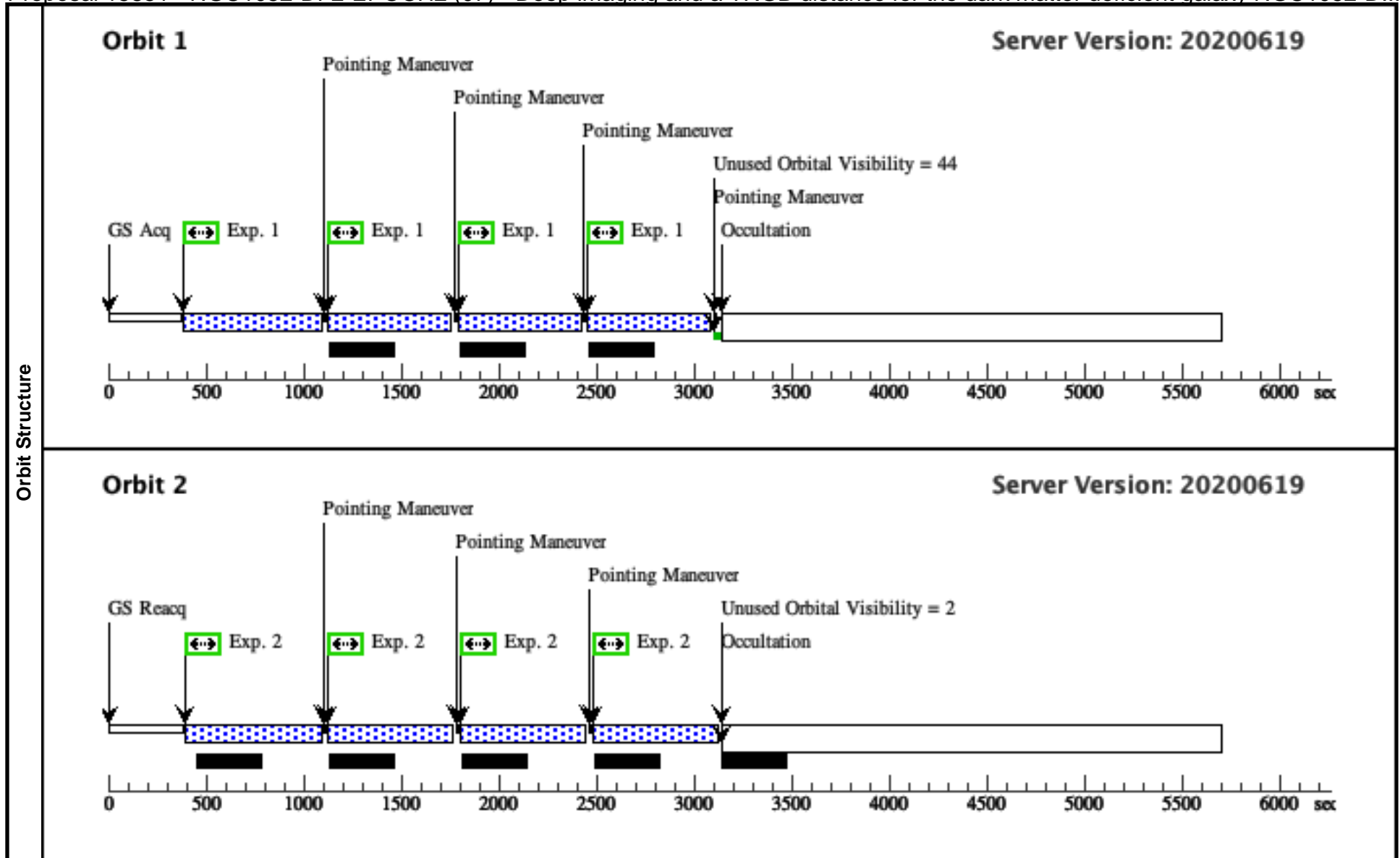
Fri Jul 10 11:00:45 GMT 2020

Visit	Proposal 15851, NGC1052-DF2-EPOCH1 (56) Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none) <i>Comments: Repeat of second orbit of visit 6</i>									
	Diagnosics (NGC1052-DF2-EPOCH1 (56)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,-16	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH1 (56) (1)	520 Secs (2080 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[1]



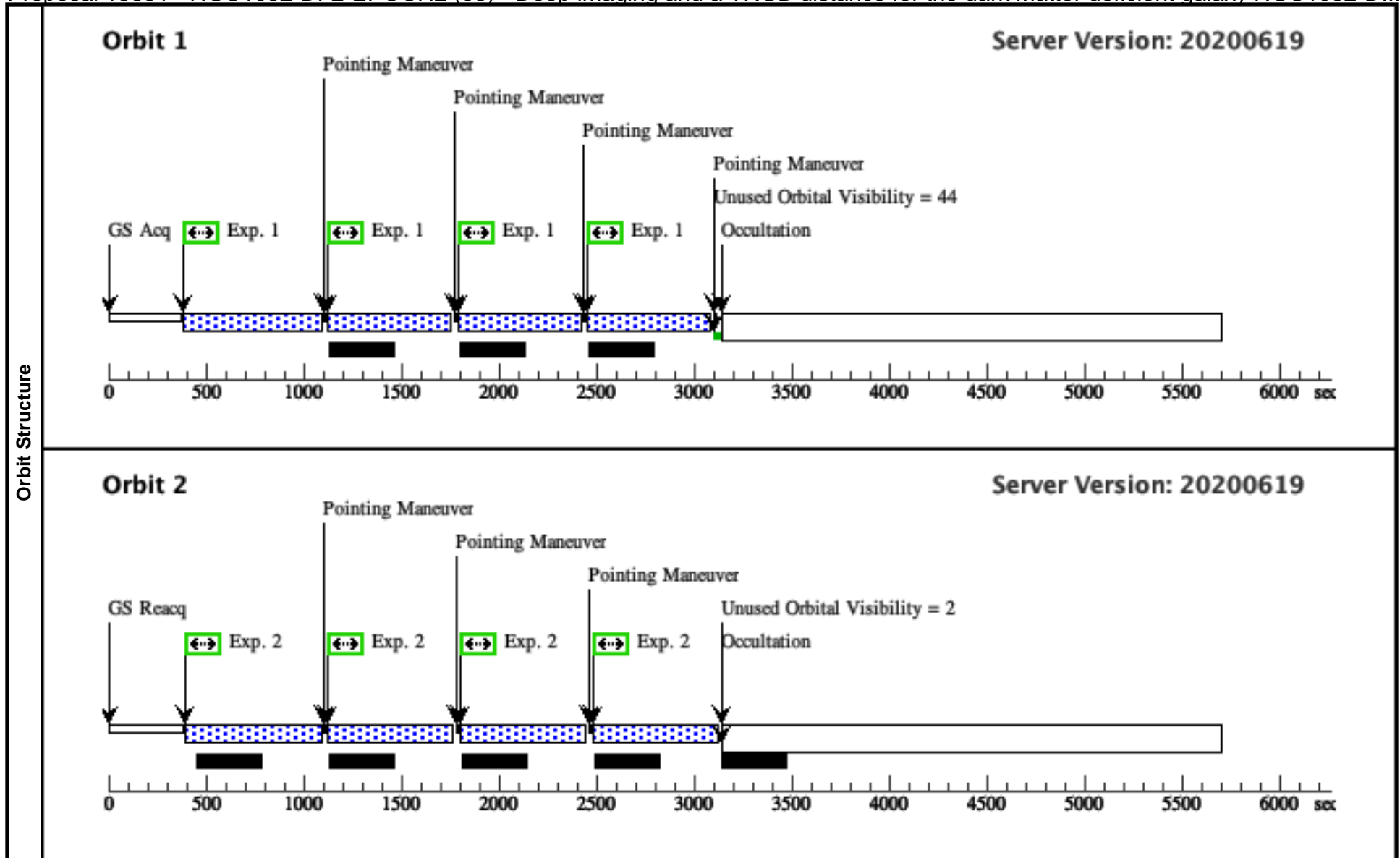
Proposal 15851 - NGC1052-DF2-EPOCH2 (07) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit		Proposal 15851, NGC1052-DF2-EPOCH2 (07), scheduling Fri Jul 10 11:00:45 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 01 BY 30 D TO 60 D								
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,10	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH2 (07) (1)	505 Secs (2020 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,10	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH2 (07) (1)	520 Secs (2080 Secs)		
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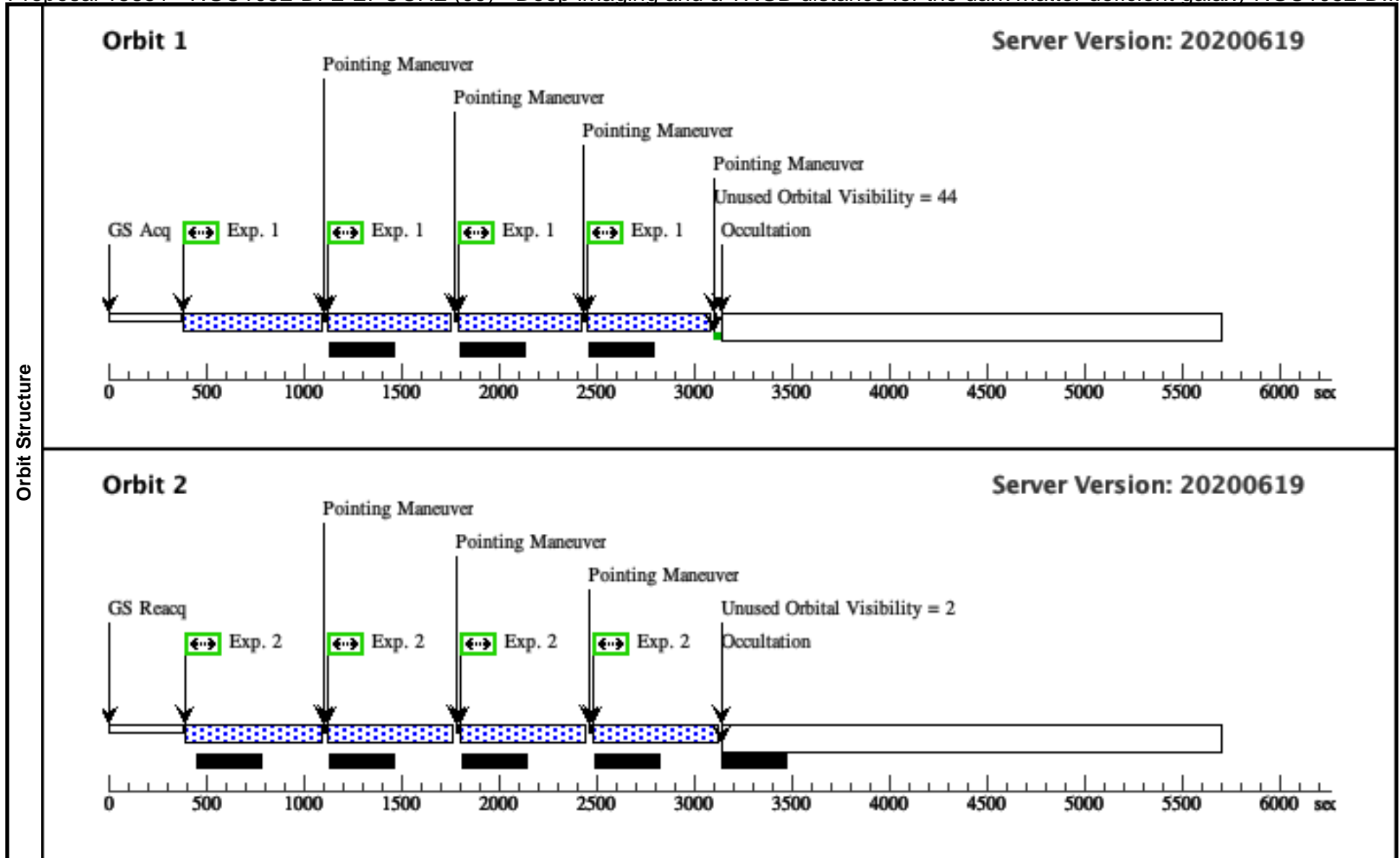
Proposal 15851 - NGC1052-DF2-EPOCH2 (08) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit	Proposal 15851, NGC1052-DF2-EPOCH2 (08), scheduling Fri Jul 10 11:00:45 GMT 2020									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 07 BY 0 D TO 6 D									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous					
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		Fluxes: V=28 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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,13	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH2 (08) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,13	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH2 (08) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	



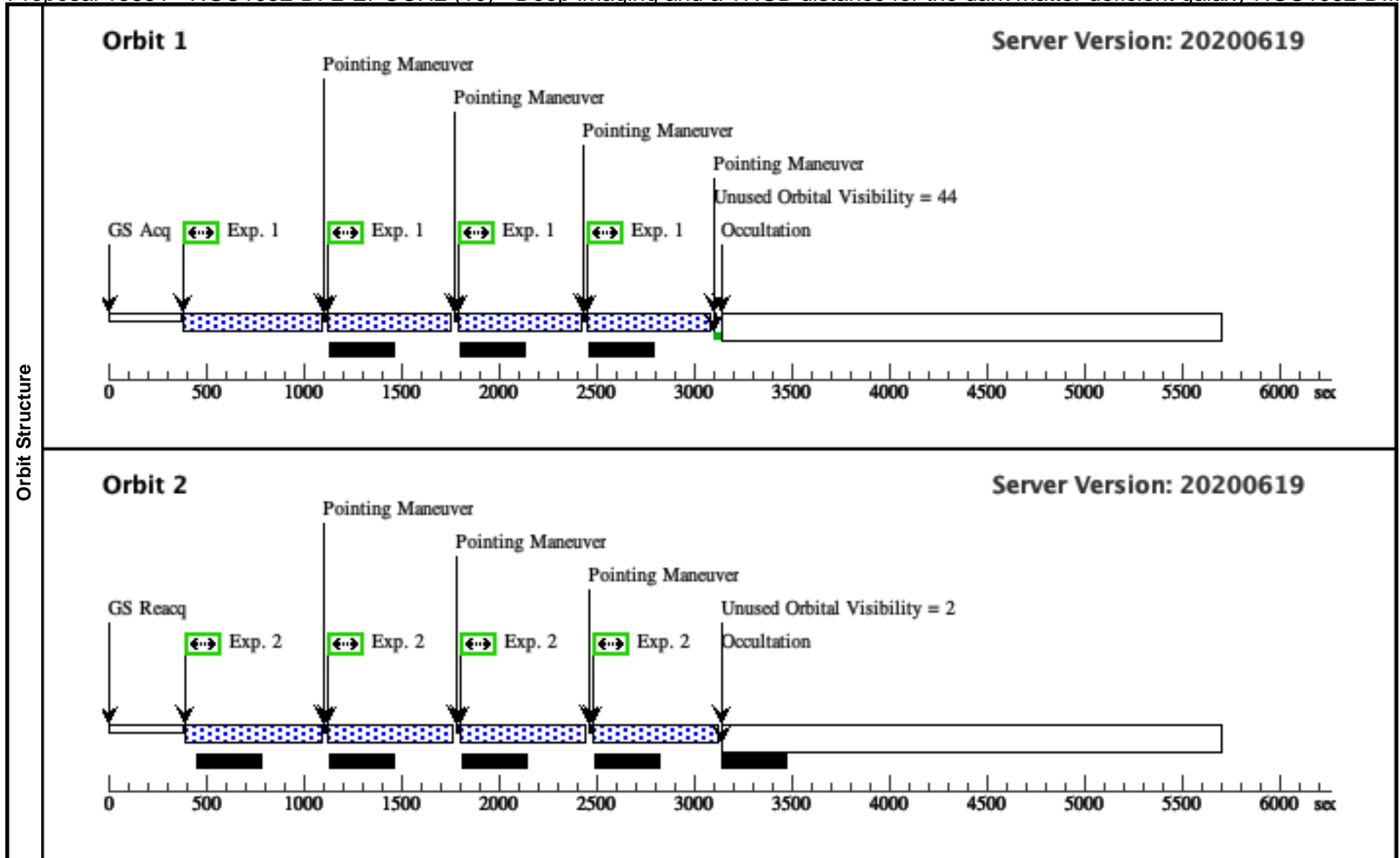
Proposal 15851 - NGC1052-DF2-EPOCH2 (09) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit	Proposal 15851, NGC1052-DF2-EPOCH2 (09), scheduling Fri Jul 10 11:00:45 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 07 BY 0 D TO 6 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,16	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH2 (09) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,16	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH2 (09) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]



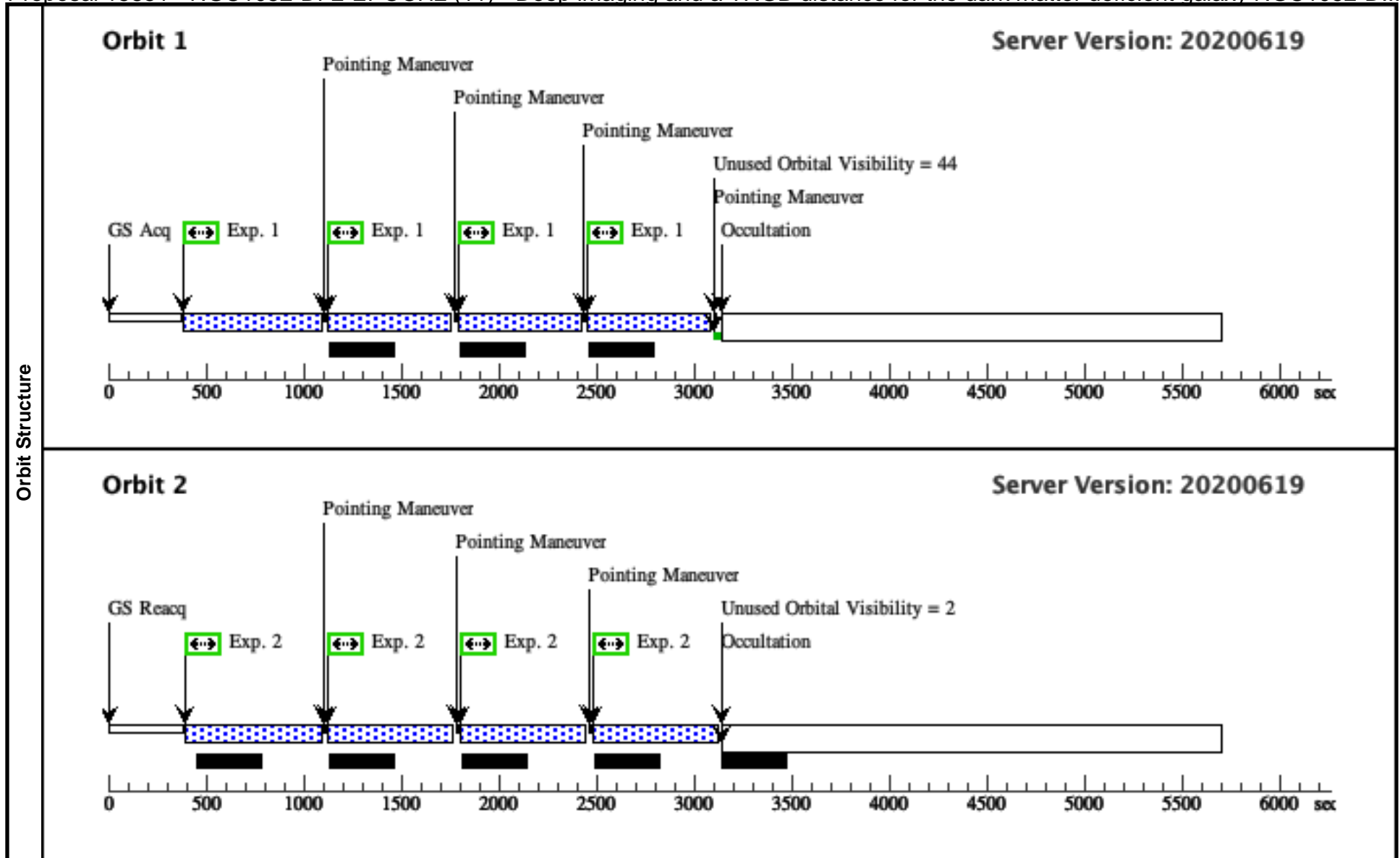
Proposal 15851 - NGC1052-DF2-EPOCH2 (10) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit		Proposal 15851, NGC1052-DF2-EPOCH2 (10), scheduling Fri Jul 10 11:00:45 GMT 2020									
Patterns		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 07 BY 0 D TO 6 D		Primary Pattern		Secondary Pattern		Exposures			
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000				V=28	Reference Frame: ICRS		
		Comments: Category=GALAXY Description=[DWARF SPHEROIDAL]									
		1	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0,-10	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH2 (10) (1)	505 Secs (2020 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[1]
		2	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0,-10	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH2 (10) (1)	520 Secs (2080 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[2]



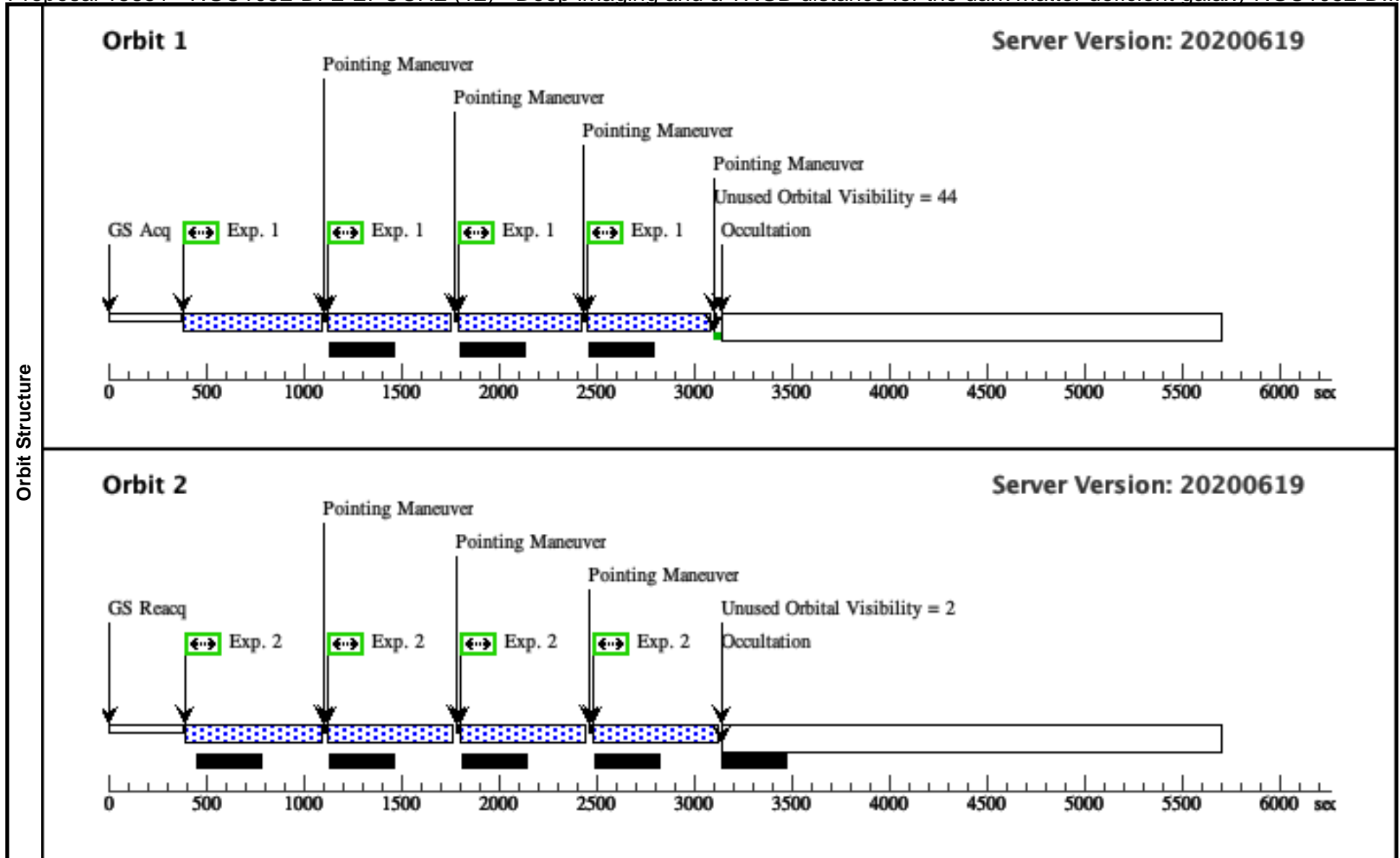
Proposal 15851 - NGC1052-DF2-EPOCH2 (11) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit	Proposal 15851, NGC1052-DF2-EPOCH2 (11), scheduling Fri Jul 10 11:00:45 GMT 2020									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 07 BY 0 D TO 6 D									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0,-13	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH2 (11) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0,-13	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH2 (11) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]



Proposal 15851 - NGC1052-DF2-EPOCH2 (12) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

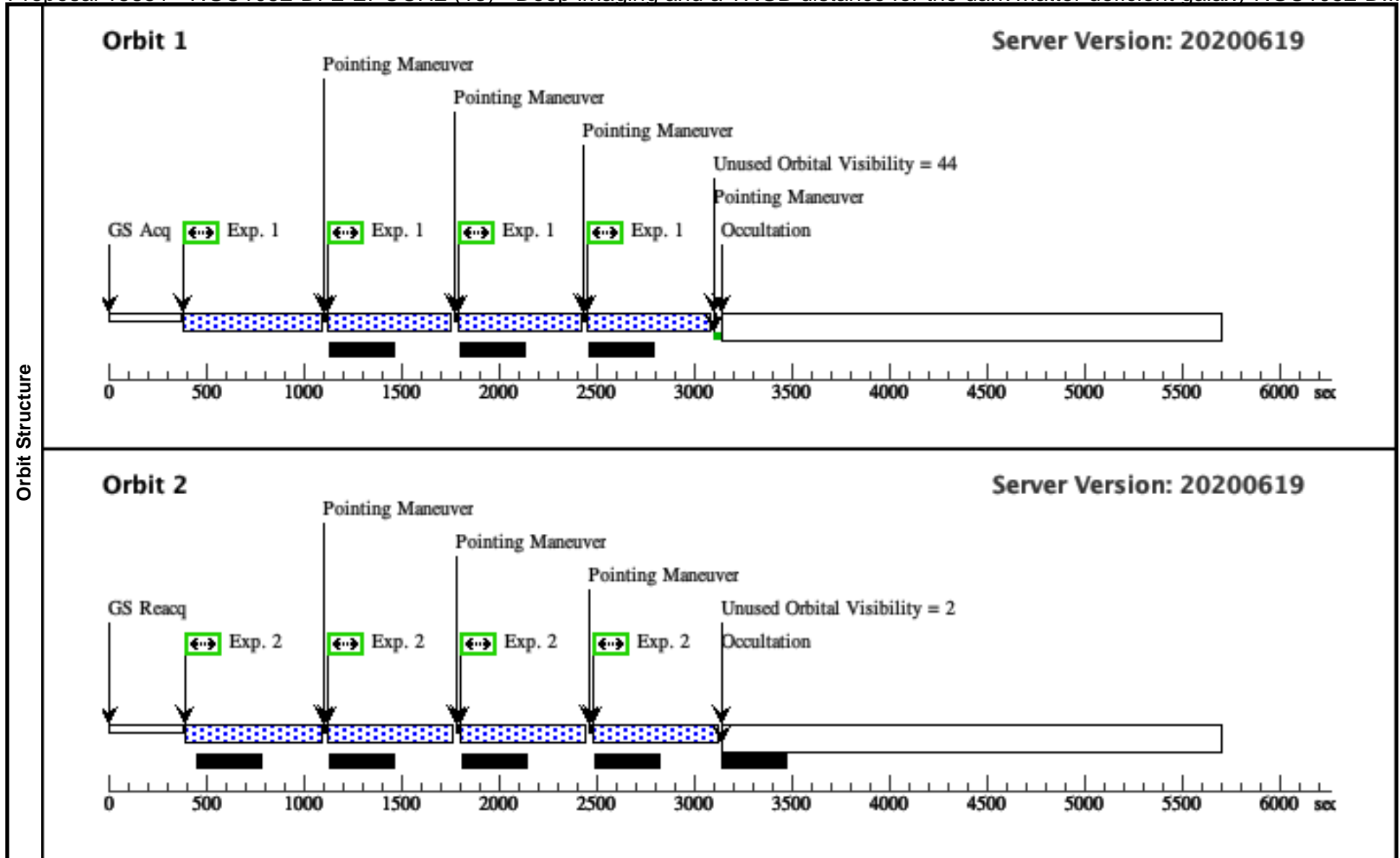
Visit		Proposal 15851, NGC1052-DF2-EPOCH2 (12), scheduling Fri Jul 10 11:00:45 GMT 2020									
Patterns		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 07 BY 0 D TO 6 D		Primary Pattern		Secondary Pattern		Exposures			
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000				V=28	Reference Frame: ICRS		
		Comments: Category=GALAXY Description=[DWARF SPHEROIDAL]									
		1	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0,-16	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH2 (12) (1)	505 Secs (2020 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[1]
		2	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0,-16	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH2 (12) (1)	520 Secs (2080 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[2]



Proposal 15851 - NGC1052-DF2-EPOCH2 (13) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

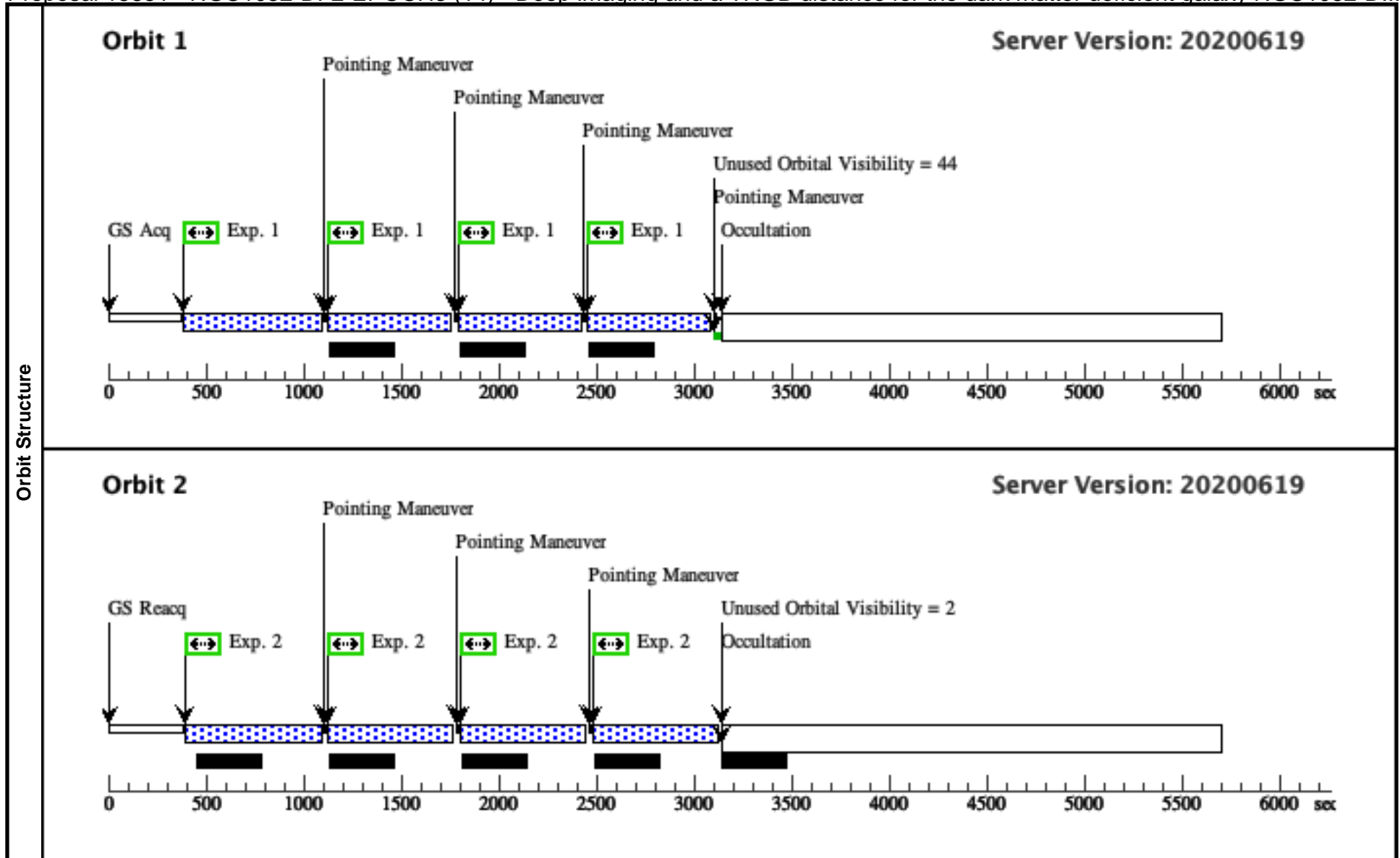
Visit		Proposal 15851, NGC1052-DF2-EPOCH2 (13), scheduling Fri Jul 10 11:00:45 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 07 BY 0 D TO 6 D									
Patterns		#	Primary Pattern	Secondary Pattern	Exposures						
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit

Patterns		(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)			
Fixed Targets		(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000 <i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL]		V=28	Reference Frame: ICRS			
Exposures		1	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,-7	Pattern 1, Exps 1-1 i n NGC1052-DF2-EP OCH2 (13) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
Exposures		2	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,-7	Pattern 1, Exps 2-2 i n NGC1052-DF2-EP OCH2 (13) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]



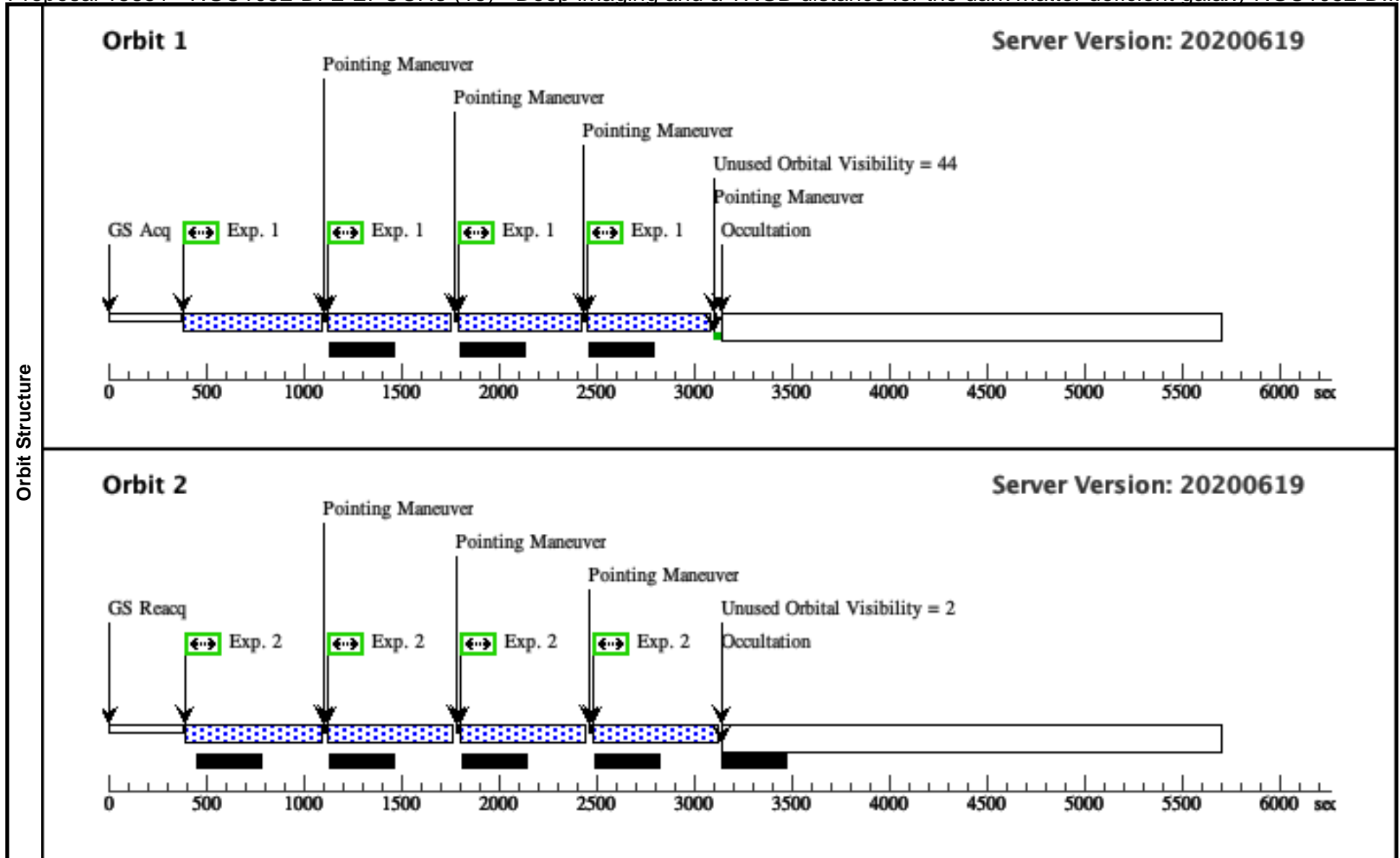
Proposal 15851 - NGC1052-DF2-EPOCH3 (14) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit		Proposal 15851, NGC1052-DF2-EPOCH3 (14), scheduling Fri Jul 10 11:00:45 GMT 2020									
Patterns		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 07 BY 30 D TO 60 D		Primary Pattern		Secondary Pattern		Exposures			
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000				V=28	Reference Frame: ICRS		
		Comments: Category=GALAXY Description=[DWARF SPHEROIDAL]									
		1	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0,10	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH3 (14) (1)	505 Secs (2020 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[1]
		2	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0,10	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH3 (14) (1)	520 Secs (2080 Secs) [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[2]



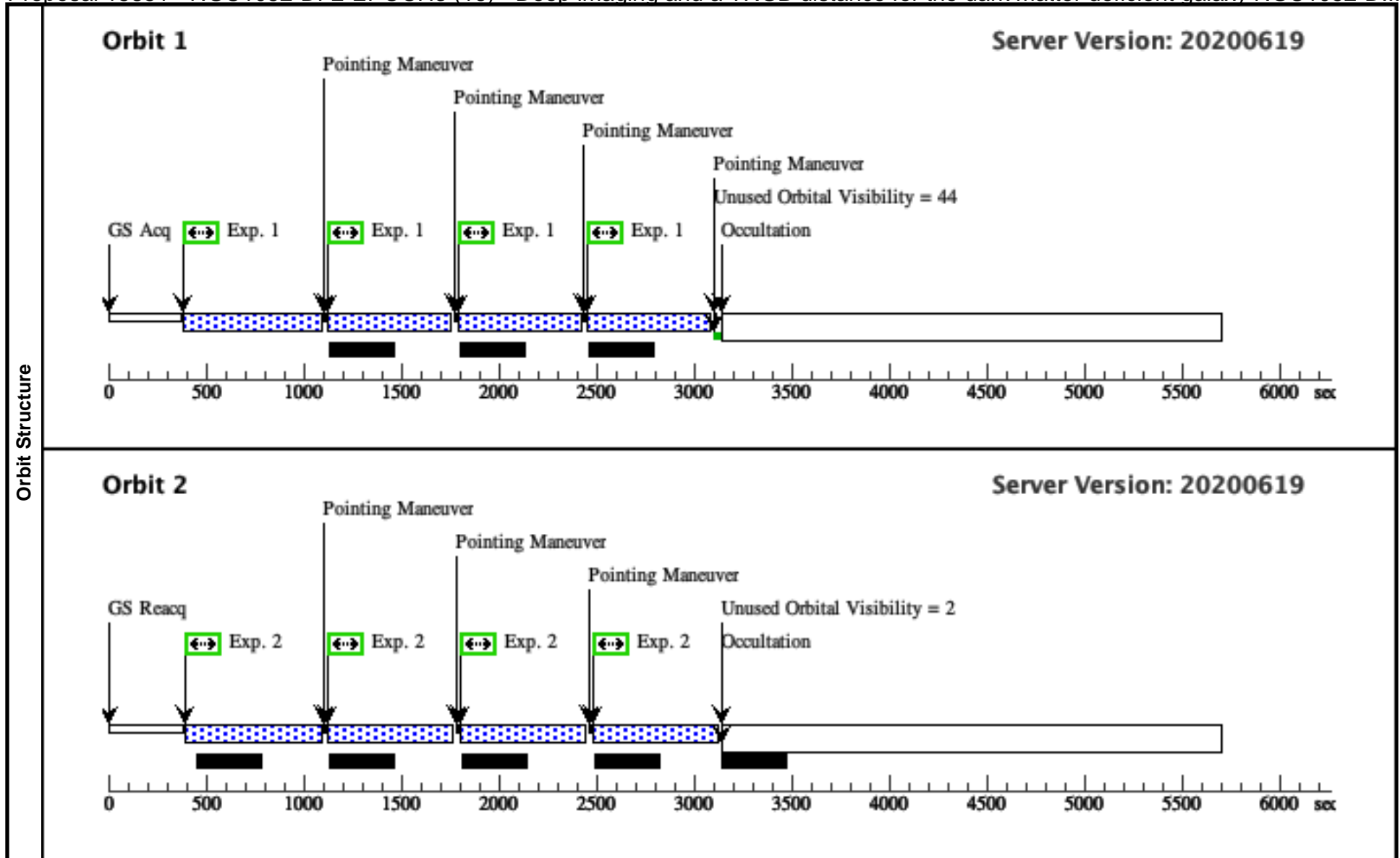
Proposal 15851 - NGC1052-DF2-EPOCH3 (15) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit	Proposal 15851, NGC1052-DF2-EPOCH3 (15), scheduling Fri Jul 10 11:00:46 GMT 2020									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 14 BY 0 D TO 5 D									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,13	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH3 (15) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,13	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH3 (15) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	



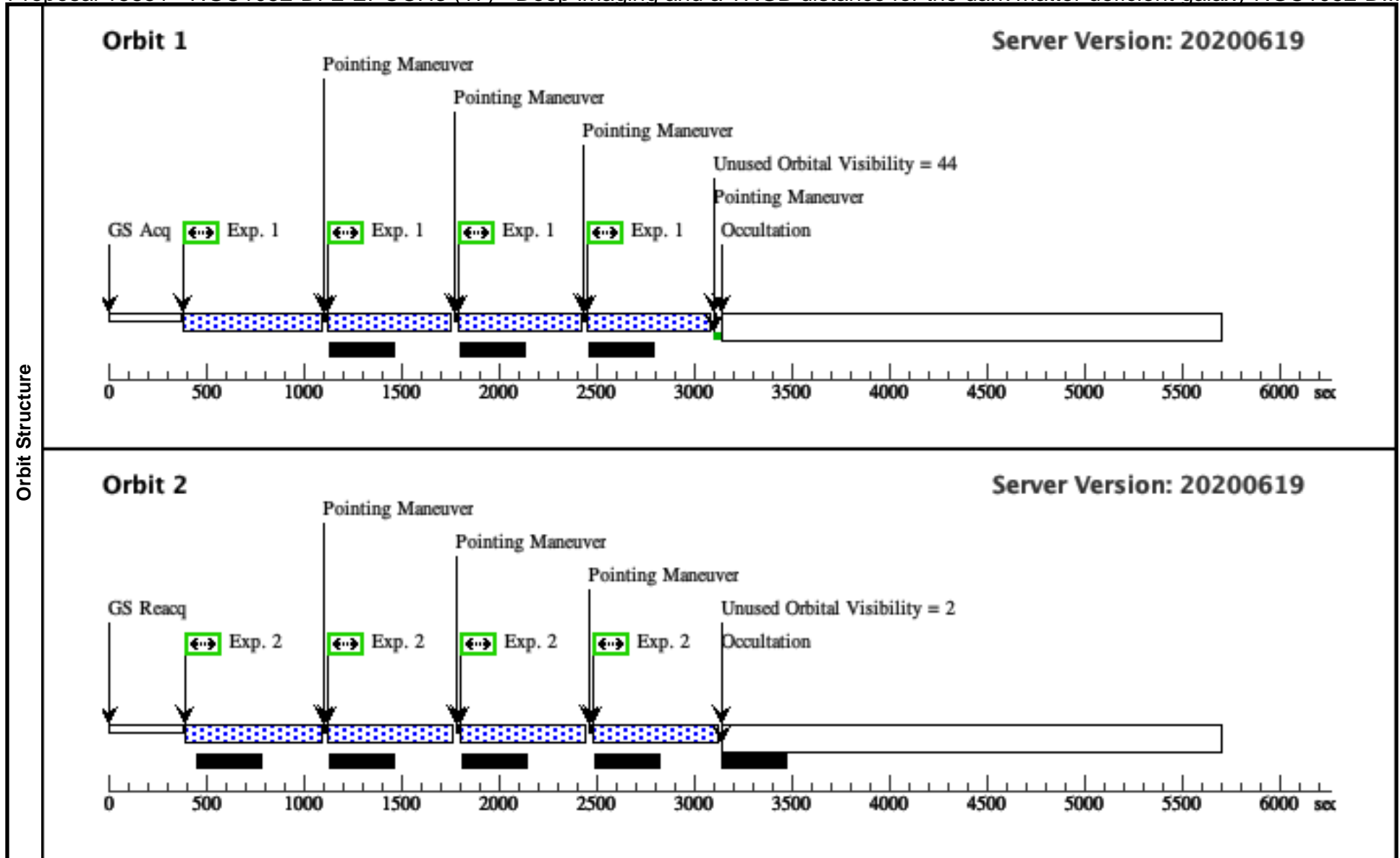
Proposal 15851 - NGC1052-DF2-EPOCH3 (16) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit	Proposal 15851, NGC1052-DF2-EPOCH3 (16), scheduling Fri Jul 10 11:00:46 GMT 2020									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 14 BY 0 D TO 5 D									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,16	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH3 (16) (1)	505 Secs (2020 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,16	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH3 (16) (1)	520 Secs (2080 Secs)		
								[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	



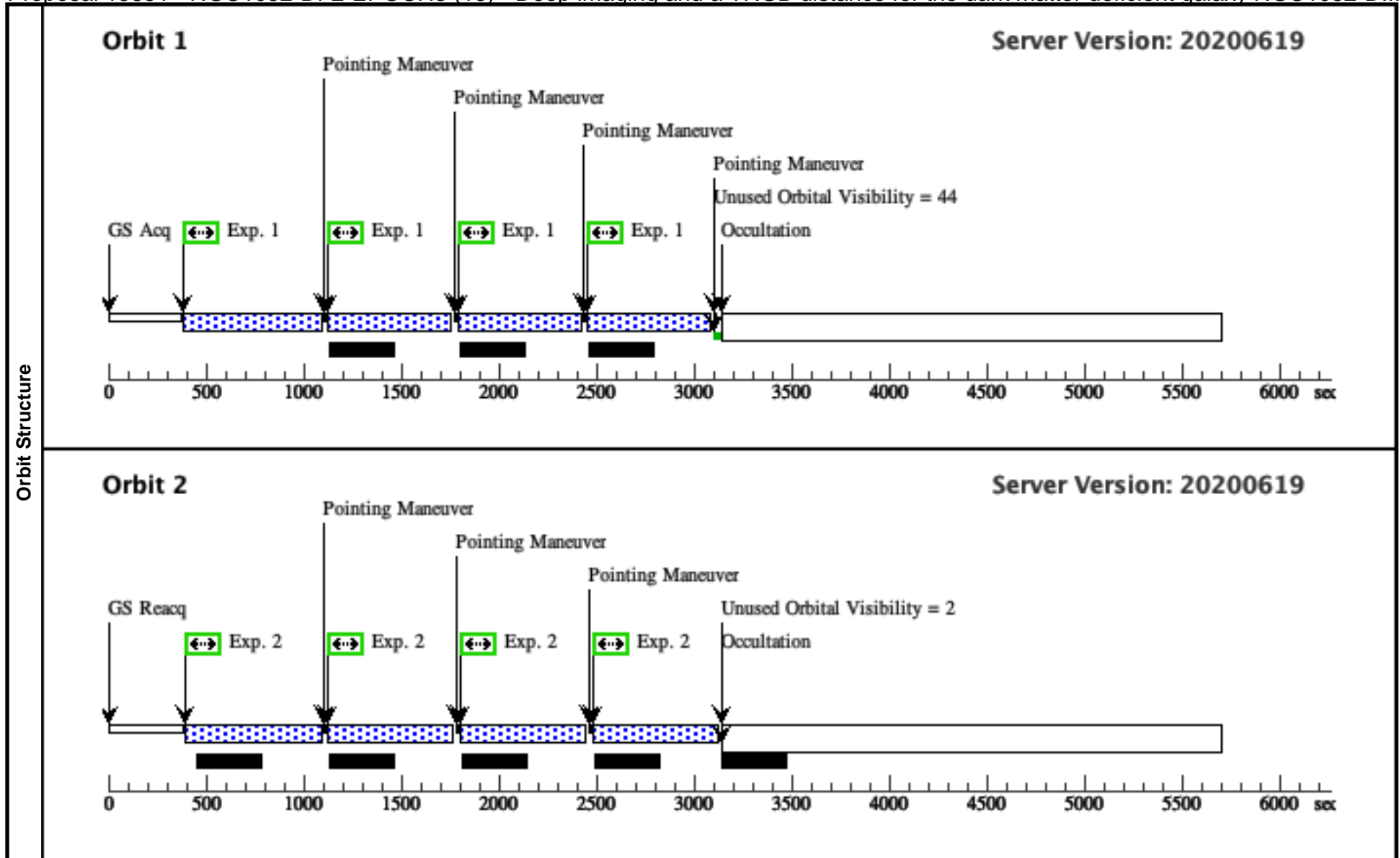
Proposal 15851 - NGC1052-DF2-EPOCH3 (17) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit	Proposal 15851, NGC1052-DF2-EPOCH3 (17), scheduling Fri Jul 10 11:00:46 GMT 2020									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 14 BY 0 D TO 5 D									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	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		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0,-10	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH3 (17) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W			POS TARG 0,-10	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH3 (17) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]



Proposal 15851 - NGC1052-DF2-EPOCH3 (18) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit		Proposal 15851, NGC1052-DF2-EPOCH3 (18), scheduling Fri Jul 10 11:00:46 GMT 2020							
Patterns		Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 14 BY 0 D TO 5 D							
#	Primary Pattern	Secondary Pattern	Exposures						
(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000		V=28	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL]									
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W		POS TARG 0,-13	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH3 (18) (1)	505 Secs (2020 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2		(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 0,-13	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH3 (18) (1)	520 Secs (2080 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]



Proposal 15851 - NGC1052-DF2-EPOCH3 (19) - Deep imaging and a TRGB distance for the dark matter deficient galaxy NGC1052-D...

Visit		Proposal 15851, NGC1052-DF2-EPOCH3 (19), scheduling Fri Jul 10 11:00:46 GMT 2020 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: AFTER 14 BY 0 D TO 5 D								
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.034 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.29 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC1052-DF2	RA: 02 41 46.7200 (40.4446667d) Dec: -08 24 10.80 (-8.40300d) Equinox: J2000 <i>Comments:</i> Category=GALAXY Description=[DWARF SPHEROIDAL]		V=28	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F606W			POS TARG 0,-16	Pattern 1, Exps 1-1 in NGC1052-DF2-EPOCH3 (19) (1)	505 Secs (2020 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
2	(1) NGC1052-DF2	ACS/WFC, ACCUM, WFCENTER	F814W				POS TARG 0,-16	Pattern 1, Exps 2-2 in NGC1052-DF2-EPOCH3 (19) (1)	520 Secs (2080 Secs)	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]

