



17155 - The legacy UV survey of 28 pulsars

Cycle: 30, 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) J1836+5925	ACS/SBC	1	07-Jan-2025 12:00:32.0	yes
51	(1) J1836+5925	ACS/SBC	1	07-Jan-2025 12:00:33.0	yes
02	(2) J0630-2834	ACS/SBC	1	07-Jan-2025 12:00:33.0	yes
03	(3) J0613+3731	ACS/SBC	1	07-Jan-2025 12:00:33.0	yes

Proposal 17155 (STScI Edit Number: 16, Created: Tuesday, January 7, 2025, 12:00:41PM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
04	(4) J0745-5353	ACS/SBC	1	07-Jan-2025 12:00:34.0	yes
05	(5) J0746-4529	ACS/SBC	1	07-Jan-2025 12:00:34.0	yes
06	(6) J0749-4247	ACS/SBC	1	07-Jan-2025 12:00:34.0	yes
07	(7) J0826+2637	ACS/SBC	1	07-Jan-2025 12:00:34.0	yes
08	(8) J0835-3707	ACS/SBC	1	07-Jan-2025 12:00:35.0	yes
09	(9) J0837+0610	ACS/SBC	1	07-Jan-2025 12:00:35.0	yes
10	(10) J0846-3533	ACS/SBC	1	07-Jan-2025 12:00:35.0	yes
11	(11) J0855-3331	ACS/SBC	1	07-Jan-2025 12:00:36.0	yes
12	(12) J0904-4246	ACS/SBC	1	07-Jan-2025 12:00:36.0	yes
13	(13) J0907-5157	ACS/SBC	1	07-Jan-2025 12:00:36.0	yes
14	(14) J0912-3851	ACS/SBC	1	07-Jan-2025 12:00:37.0	yes
15	(15) J0922+0638	ACS/SBC	1	07-Jan-2025 12:00:37.0	yes
16	(17) J1740+1000	ACS/SBC	1	07-Jan-2025 12:00:37.0	yes
17	(18) J1741-2054	ACS/SBC	1	07-Jan-2025 12:00:37.0	yes
18	(31) J1136+1551	ACS/SBC	1	07-Jan-2025 12:00:38.0	yes
68	(31) J1136+1551	ACS/SBC	1	07-Jan-2025 12:00:38.0	yes
19	(20) J2030+4415	ACS/SBC	1	07-Jan-2025 12:00:38.0	yes
20	(21) J2048-1616	ACS/SBC	1	07-Jan-2025 12:00:39.0	yes
21	(22) J2330-2005	ACS/SBC	1	07-Jan-2025 12:00:39.0	yes
22	(23) J1231-1411	ACS/SBC	1	07-Jan-2025 12:00:39.0	yes
23	(24) J1434+7257	ACS/SBC	1	07-Jan-2025 12:00:39.0	yes
24	(25) J1537+1155	ACS/SBC	1	07-Jan-2025 12:00:40.0	yes
25	(27) J2214+3000	ACS/SBC	1	07-Jan-2025 12:00:40.0	yes
26	(28) J1400-1431	ACS/SBC	1	07-Jan-2025 12:00:40.0	yes
27	(29) J2222-0137	ACS/SBC	1	07-Jan-2025 12:00:41.0	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>
28	(30) J2322-2650	ACS/SBC	1	07-Jan-2025 12:00:41.0	yes

30 Total Orbits Used

ABSTRACT

Previous HST explorations of neutron stars have led to a plethora of discoveries and new puzzles, including hotter-than-expected old pulsars, enigmatic optical-UV excess for some objects, potential disks, and a new type of pulsar wind nebulae. The scarcity of objects targeted with HST and the diversity of their observed properties, even for seemingly similar pulsars, make it currently impossible to arrive at a comprehensive view and an unambiguous interpretation of the optical-UV properties of neutron stars. A significantly enlarged sample of pulsars observed in optical-UV (with flux measurements or deep upper limits) is desperately needed in order to tackle the many open questions.

For this reason, we propose a survey of a large sample of neutron stars in the far-UV. Only HST can carry out this legacy UV-survey which is needed to select targets for future studies in the optical and infrared. The UV observations of middle-aged and old neutron stars are required to constrain the fundamental physics of these compact objects. We expect that the collected HST data will be used by observers and theoreticians alike for years to come.

OBSERVING DESCRIPTION

The 28 targets of this proposal are 28 nearby pulsars whose thermal FUV emission is expected to be detectable in one-orbit ACS/SBC observations. Correspondingly, our program consists of 28 one-orbit HST visits. To maximize the count rate and filter out the Ly-alpha geocoronal line, we will use the broad F125LP filter in most of the visits. To get rid of the Oxygen geocoronal lines, this filter is to be used with the SHADOW requirement (typical exposure time is about 1800 s). Outside the shadow part of the orbit, we will use the F140LP filter to maximize the efficiency. This approach has been successfully tested in our previous FUV observations of faint targets. The 3 targets for which SHADOW observations are not schedulable will be observed with the narrower (30% less sensitive) F140LP filter during the entire orbit.

Our targets are neutron stars which are very faint in UV (those with companions are also very faint in UV because of the low surface temperature of the low-mass companion). Therefore, all of the targets are safe to observe.

We have also checked the brightness limits with the APT Bright Object Tool (BOT) for the entire SBC detector field-of-view for each of our visits (targets) and included the ETC IDs where we found it useful. In summary, we find that visits 1,2,3,4,5,9,12,19,20,21,22,24,27,28 are cleared by the

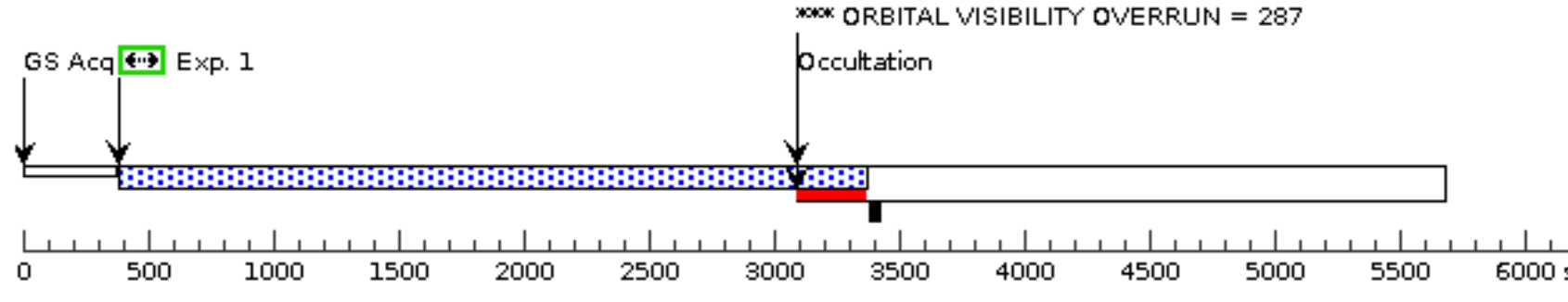
Proposal 17155 (STScI Edit Number: 16, Created: Tuesday, January 7, 2025, 12:00:41PM Eastern Standard Time) - Overview

GSGII-based BOT check while visits 11, 15, 16, 23, 25, and 26 are cleared by the GALEX-based BOT check. For visits 7, 10, 17, and 18 there exist UV observation from XMM OM or Swift UVOT. The photometry based on those data and available in Vizier indicates that these fields are safe to observe based on our ETC simulation (ETC IDS are included in the APT form for these visits) and the relevant details have been communicated to STScI by e-mail. For the remaining visits we used the combination of Gaia counterpart data and skymapper images (visit 6) to establish the safety of the observations and communicated the relevant details to STScI by e-mail.

To help with the scheduling, the non-SHADOW exposures with F140LP can be placed anywhere in the orbit. However, the exposures with F125LP should fit completely within the SHADOW part of the orbit and should have the maximum allowed length that satisfies the SHADOW requirement.

Our targets are faint and may be accompanied by faint extended emission. Therefore, we ask to, whenever possible, schedule each our visit when the detector will be cold (i.e. SBC was not operating during the preceding HST orbit).

Proposal 17155 - Visit 01 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 01, failed										Tue Jan 07 17:00:41 GMT 2025
	Diagnostic Status: Warning										
Diagnostics	Scientific Instruments: ACS/SBC										
	Special Requirements: (none)										
Fixed Targets	(Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(Exposure 1 (Visit 01)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(1)	J1836+5925	RA: 18 36 13.6740 (279.0569750d) Dec: +59 25 30.15 (59.42504d) Equinox: J2000		V=27.0	Reference Frame: ICRS					
Exposures	Comments: Category=STAR Description=[PULSAR]										
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1		(1) J1836+5925	ACS/SBC, ACCUM, SBC	F140LP				680 Secs (2925 Secs)		
									[=>2925.0 Secs]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20240604										
Orbit Structure	GS Acq [↔] Exp. 1										
	Occultation										
Orbit Structure	XXXXXXXX ORBITAL VISIBILITY OVERRUN = 287										
											

Proposal 17155 - Repeat of failed visit 01 (51) - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Repeat of failed visit 01 (51), completed										Tue Jan 07 17:00:41 GMT 2025							
	Diagnostic Status: Warning																	
	Scientific Instruments: ACS/SBC																	
	Special Requirements: (none)																	
Diagnostics	(Repeat of failed visit 01 (51)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																	
	(Exposure 1 (Repeat of failed visit 01 (51))) Warning (Form): Sensitive exposures should have an ETC run number provided.																	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous							
	(1)	J1836+5925	RA: 18 36 13.6740 (279.0569750d)						V=27.0		Reference Frame: ICRS							
			Dec: +59 25 30.15 (59.42504d)															
			Equinox: J2000															
	Comments: Category=STAR Description=[PULSAR]																	
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(1) J1836+5925	ACS/SBC, ACCUM, SBC		F140LP								680 Secs (2925 Secs)				
														[=>2925.0 Secs]				
																[1]		
Orbit Structure	Orbit 1																Server Version: 20240604	
	GS Acq Exp. 1 Occultation ORBITAL VISIBILITY OVERRUN = 287 050010001500200025003000350040004500500055006000 sec																	

Proposal 17155 - Visit 02 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 02, completed									Tue Jan 07 17:00:41 GMT 2025		
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Exposure 1 (Visit 02)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 02)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	J0630-2834	RA: 06 30 49.3457 (97.7056071d)				V=27.0		Reference Frame: ICRS			
			Dec: -28 34 42.42 (-28.57845d)									
			Equinox: J2000									
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) J0630-2834	ACS/SBC, ACCUM, SBC		F125LP		SHADOW		1830 Secs (1830 Secs)		
										[==>]		[1]
	2		(2) J0630-2834	ACS/SBC, ACCUM, SBC		F140LP				450 Secs (450 Secs)		
										[==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20240604											

Proposal 17155 - Visit 03 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 03, completed										Tue Jan 07 17:00:41 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 03)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 03)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	J0613+3731	RA: 06 13 12.1500 (93.3006250d) Dec: +37 31 38.30 (37.52731d) Equinox: J2000					V=27.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) J0613+3731	ACS/SBC, ACCUM, SBC		F125LP		SHADOW		1830 Secs (1830 Secs)		
										[==>]		[1]
	2		(3) J0613+3731	ACS/SBC, ACCUM, SBC		F140LP				587 Secs (587 Secs)		
										[==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 81 050010001500200025003000350040004500500055006000 sec											

Proposal 17155 - Visit 04 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 04, completed Tue Jan 07 17:00:42 GMT 2025				
	Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: (none)				
Diagnostics	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Visit 04)) Warning (Form): Sensitive exposures should have an ETC run number provided.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	J0745-5353	RA: 07 45 4.3857 (116.2682738d) Dec: -53 53 8.87 (-53.88580d) Equinox: J2000		V=27.0
Exposures	Comments: Category=STAR Description=[PULSAR]				
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(4) J0745-5353	ACS/SBC, ACCUM, SBC	F140LP
Orbit Structure					Exp. Time (Total)/[Actual Dur.]
					654 Secs (2869 Secs)
Orbit Structure					[=>2869.0 Secs]
					[1]
Orbit Structure	Orbit 1 Server Version: 20240604				
	GS Acq Exp. 1 Occultation ORBITAL VISIBILITY OVERRUN = 252				

Proposal 17155 - Visit 05 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 05, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Exposure 1 (Visit 05)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 05)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(5)	J0746-4529	RA: 07 46 59.5180 (116.7479917d) Dec: -45 29 26.65 (-45.49074d) Equinox: J2000				V=27.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(5) J0746-4529	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1710 Secs (1710 Secs)			
										[==>]	[1]	
	Comments: Original exposure time was 1830s											
	2		(5) J0746-4529	ACS/SBC, ACCUM, SBC	F140LP					600 Secs (600 Secs)		
										[==>]	[1]	
Comments: Original exposure time was 630s												
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Unused Orbital Visibility = 38 Occultation 050010001500200025003000350040004500500055006000 sec											

Proposal 17155 - Visit 06 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 06, implementation										Tue Jan 07 17:00:42 GMT 2025									
	Diagnostic Status: Warning																			
	Scientific Instruments: ACS/SBC																			
	Special Requirements: (none)																			
Diagnostics	(Exposure 1 (Visit 06)) Warning (Form): Sensitive exposures should have an ETC run number provided.																			
	(Exposure 2 (Visit 06)) Warning (Form): Sensitive exposures should have an ETC run number provided.																			
Fixed Targets	#	Name			Target Coordinates			Targ. Coord. Corrections			Fluxes			Miscellaneous						
	(6)	J0749-4247			RA: 07 49 49.6750 (117.4569792d) Dec: -42 47 42.14 (-42.79504d) Equinox: J2000						V=27.0			Reference Frame: ICRS						
	Comments: Category=STAR Description=[PULSAR]																			
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit	
	1		(6) J0749-4247	ACS/SBC, ACCUM, SBC			F125LP				SHADOW				1800 Secs (1700 Secs)					
															[==>1700 Secs]				[1]	
	2		(6) J0749-4247	ACS/SBC, ACCUM, SBC			F140LP								542 Secs (200 Secs)					
														[==>200 Secs]				[1]		
Orbit Structure	Orbit 1 Server Version: 20240604																			

Proposal 17155 - Visit 07 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 07, completed										Tue Jan 07 17:00:42 GMT 2025									
	Diagnostic Status: Warning																			
	Scientific Instruments: ACS/SBC																			
	Special Requirements: (none)																			
Diagnostics	(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																			
	(Exposure 1 (Visit 07)) Warning (Form): Sensitive exposures should have an ETC run number provided.																			
	(Exposure 2 (Visit 07)) Warning (Form): Sensitive exposures should have an ETC run number provided.																			
Fixed Targets	#	Name			Target Coordinates			Targ. Coord. Corrections			Fluxes			Miscellaneous						
	(7)	J0826+2637			RA: 08 26 51.5609 (126.7148371d) Dec: +26 37 20.18 (26.62227d) Equinox: J2000						V=27.0			Reference Frame: ICRS						
	Comments: Category=STAR Description=[PULSAR]																			
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit	
	1		(7) J0826+2637	ACS/SBC, ACCUM, SBC			F125LP				SHADOW				1830 Secs (1830 Secs)					
															[==>]				[1]	
	2		(7) J0826+2637	ACS/SBC, ACCUM, SBC			F140LP								570 Secs (570 Secs)					
															[==>]				[1]	
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 67 Exp. 2 <																			

Proposal 17155 - Visit 08 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 08, scheduling									Tue Jan 07 17:00:42 GMT 2025		
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Exposure 1 (Visit 08)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 08)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(8)	J0835-3707	RA: 08 35 3.0800 (128.7628333d) Dec: -37 07 51.50 (-37.13097d) Equinox: J2000				V=27.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(8) J0835-3707	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1800 Secs (1800 Secs)			
									[==>]		[1]	
	2		(8) J0835-3707	ACS/SBC, ACCUM, SBC	F140LP					536 Secs (536 Secs)		
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604											

Proposal 17155 - Visit 09 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 09, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 09)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 09)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(9)	J0837+0610	RA: 08 37 5.6462 (129.2735258d) Dec: +06 10 16.16 (6.17116d) Equinox: J2000				V=27.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(9) J0837+0610	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)			
									[==>]		[1]	
	2		(9) J0837+0610	ACS/SBC, ACCUM, SBC	F140LP				560 Secs (560 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604											

Proposal 17155 - Visit 10 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 10, scheduling										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: SCHED 100%											
Diagnosics	(Exposure 2 (Visit 10)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(10)	J0846-3533	RA: 08 46 6.0943 (131.5253929d) Dec: -35 33 41.31 (-35.56147d) Equinox: J2000				V=27.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	(ACS.im.18 13652)	(10) J0846-3533	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1700 Secs (1700 Secs)			
									[==>]		[1]	
	2		(10) J0846-3533	ACS/SBC, ACCUM, SBC	F140LP				400 Secs (400 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604											

Proposal 17155 - Visit 11 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 11, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 11)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 11)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	J0855-3331	RA: 08 55 38.4130 (133.9100542d) Dec: -33 31 39.30 (-33.52758d) Equinox: J2000					V=27.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(11) J0855-3331	ACS/SBC, ACCUM, SBC		F125LP		SHADOW		1830 Secs (1830 Secs)		
										[==>]		[1]
	2		(11) J0855-3331	ACS/SBC, ACCUM, SBC		F140LP				577 Secs (577 Secs)		
										[==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 73 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 17155 - Visit 12 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 12, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 12)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 12)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(12)	J0904-4246	RA: 09 04 59.0830 (136.2461792d) Dec: -42 46 13.40 (-42.77039d) Equinox: J2000				V=27.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(12) J0904-4246	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)			
									[==>]		[1]	
	2		(12) J0904-4246	ACS/SBC, ACCUM, SBC	F140LP				606 Secs (606 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 94 050010001500200025003000350040004500500055006000 sec											

Proposal 17155 - Visit 13 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 13, completed										Tue Jan 07 17:00:42 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/SBC										
	Special Requirements: (none)										
Diagnostics	(Exposure 1 (Visit 13)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
	(Exposure 2 (Visit 13)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(13)	J0907-5157	RA: 09 07 15.9010 (136.8162542d) Dec: -51 57 59.36 (-51.96649d) Equinox: J2000				V=27.0	Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(13) J0907-5157	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)		
									[==>]	[1]	
	Comments: Original exposure time is 1830s										
	2		(13) J0907-5157	ACS/SBC, ACCUM, SBC	F140LP				300 Secs (300 Secs)		
									[==>]	[1]	
Comments: Original exposure time was 654s											
Orbit Structure	Orbit 1 Server Version: 20240604 050010001500200025003000350040004500500055006000 sec										

Proposal 17155 - Visit 14 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 14, completed										Tue Jan 07 17:00:42 GMT 2025			
	Diagnostic Status: Warning													
	Scientific Instruments: ACS/SBC													
	Special Requirements: (none)													
Diagnostics	(Visit 14) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN													
	(Exposure 1 (Visit 14)) Warning (Form): Sensitive exposures should have an ETC run number provided.													
	(Exposure 2 (Visit 14)) Warning (Form): Sensitive exposures should have an ETC run number provided.													
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(14)	J0912-3851	RA: 09 12 42.7000 (138.1779167d) Dec: -38 51 3.00 (-38.85083d) Equinox: J2000						V=27.00		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(14) J0912-3851	ACS/SBC, ACCUM, SBC		F125LP		SHADOW		1830 Secs (1830 Secs)				
										[==>]		[1]		
	2		(14) J0912-3851	ACS/SBC, ACCUM, SBC		F140LP				587 Secs (587 Secs)				
										[==>]		[1]		
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 81 050010001500200025003000350040004500500055006000 sec													

Proposal 17155 - Visit 15 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 15, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 15) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 15)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 15)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(15)	J0922+0638	RA: 09 22 14.0634 (140.5585975d) Dec: +06 38 26.13 (6.64059d) Equinox: J2000				V=27.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(15) J0922+0638	ACS/SBC, ACCUM, SBC		F125LP		SHADOW		1830 Secs (1830 Secs)		
										[==>]		[1]
	2		(15) J0922+0638	ACS/SBC, ACCUM, SBC		F140LP				560 Secs (560 Secs)		
										[==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 68 050010001500200025003000350040004500500055006000 sec											

Proposal 17155 - Visit 16 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 16, completed									Tue Jan 07 17:00:42 GMT 2025
	Diagnostic Status: Warning									
	Scientific Instruments: ACS/SBC									
	Special Requirements: (none)									
Diagnostics	(Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(Exposure 1 (Visit 16)) Warning (Form): Sensitive exposures should have an ETC run number provided.									
	(Exposure 2 (Visit 16)) Warning (Form): Sensitive exposures should have an ETC run number provided.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(17)	J1740+1000	RA: 17 40 25.9500 (265.1081250d) Dec: +10 00 6.30 (10.00175d) Equinox: J2000			V=27.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[PULSAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(17) J1740+1000	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)	
									[==>]	[1]
	2		(17) J1740+1000	ACS/SBC, ACCUM, SBC	F140LP				562 Secs (562 Secs)	
									[==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 68 050010001500200025003000350040004500500055006000 sec									

Proposal 17155 - Visit 17 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 17, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 17) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 2 (Visit 17)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous	
	(18)	J1741-2054	RA: 17 41 57.1731 (265.4882212d) Dec: -20 53 58.40 (-20.89956d) Equinox: J2000						V=27.0		Reference Frame: ICRS	
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(ACS.im.18 13648)	(18) J1741-2054	ACS/SBC, ACCUM, SBC		F125LP		SHADOW		1830 Secs (1830 Secs)		
										[==>]		[1]
	2		(18) J1741-2054	ACS/SBC, ACCUM, SBC		F140LP				566 Secs (566 Secs)		
										[==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 65 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

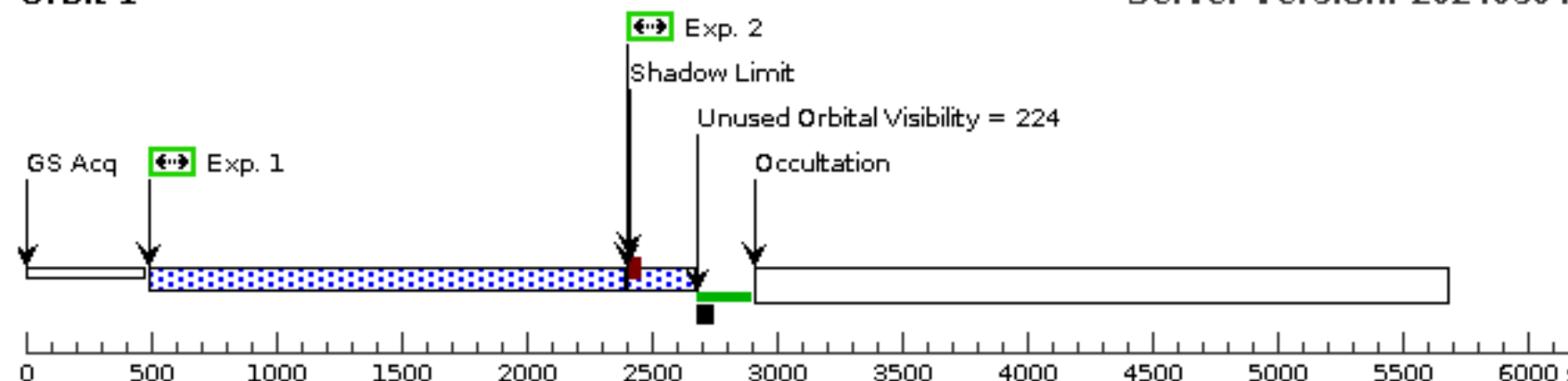
Proposal 17155 - Visit 18 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 18, failed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 18) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 2 (Visit 18)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(31)	J1136+1551	RA: 11 36 3.0610 (174.0127542d)				V=30		Reference Frame: ICRS			
			Dec: +15 51 18.40 (15.85511d)									
			Equinox: J2000									
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(ACS.im.18 13647)	(31) J1136+1551	ACS/SBC, ACCUM, SBC		F125LP		SHADOW		1830 Secs (1830 Secs)		
										[==>]		[1]
	2		(31) J1136+1551	ACS/SBC, ACCUM, SBC		F140LP				566 Secs (566 Secs)		
										[==>]		[1]
Orbit Structure	Orbit 1											
	Server Version: 20240604											
	Timeline details: - GS Acq: 0 to 500 seconds - Exp. 1: 500 to 2500 seconds (green bar) - Shadow Limit: 2500 seconds - Occultation: 3000 seconds - Exp. 2: 3000 to 3100 seconds (red bar) - ORBITAL VISIBILITY OVERRUN = 68											

Proposal 17155 - Repeat of visit 18 (68) - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Repeat of visit 18 (68), implementation										Tue Jan 07 17:00:42 GMT 2025			
	Diagnostic Status: Warning													
	Scientific Instruments: ACS/SBC													
	Special Requirements: (none)													
Diagnos	(Exposure 2 (Repeat of visit 18 (68))) Warning (Form): Sensitive exposures should have an ETC run number provided.													
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous					
	(31)	J1136+1551	RA: 11 36 3.0610 (174.0127542d) Dec: +15 51 18.40 (15.85511d) Equinox: J2000				V=30		Reference Frame: ICRS					
	Comments: Category=STAR Description=[PULSAR]													
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit			
	1	(ACS.im.18 13647)	(31) J1136+1551	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)					
									[==>]		[1]			
	2		(31) J1136+1551	ACS/SBC, ACCUM, SBC	F140LP				498 Secs (498 Secs)					
									[==>]		[1]			
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation Unused Orbital Visibility = 0													
	0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec													

Proposal 17155 - Visit 19 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 19, completed										Tue Jan 07 17:00:42 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/SBC										
	Special Requirements: SCHED 100%										
Diagnostics	(Exposure 1 (Visit 19)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
	(Exposure 2 (Visit 19)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(20)	J2030+4415	RA: 20 30 51.3500 (307.7139583d) Dec: +44 15 38.10 (44.26058d) Equinox: J2000				V=27.0	Reference Frame: ICRS			
Fixed Targets	Comments: Category=STAR Description=[PULSAR]										
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1		(20) J2030+4415	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)		
									[==>]	[1]	
	2		(20) J2030+4415	ACS/SBC, ACCUM, SBC	F140LP				220 Secs (220 Secs)		
									[==>]	[1]	
Orbit Structure	Orbit 1										Server Version: 20240604
											

Proposal 17155 - Visit 20 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 20, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 20) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 20)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 20)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(21)	J2048-1616	RA: 20 48 35.7720 (312.1490500d) Dec: -16 16 44.63 (-16.27906d) Equinox: J2000				V=27.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(21) J2048-1616	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)			
									[==>]		[1]	
	2		(21) J2048-1616	ACS/SBC, ACCUM, SBC	F140LP				565 Secs (565 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 67 050010001500200025003000350040004500500055006000 sec											

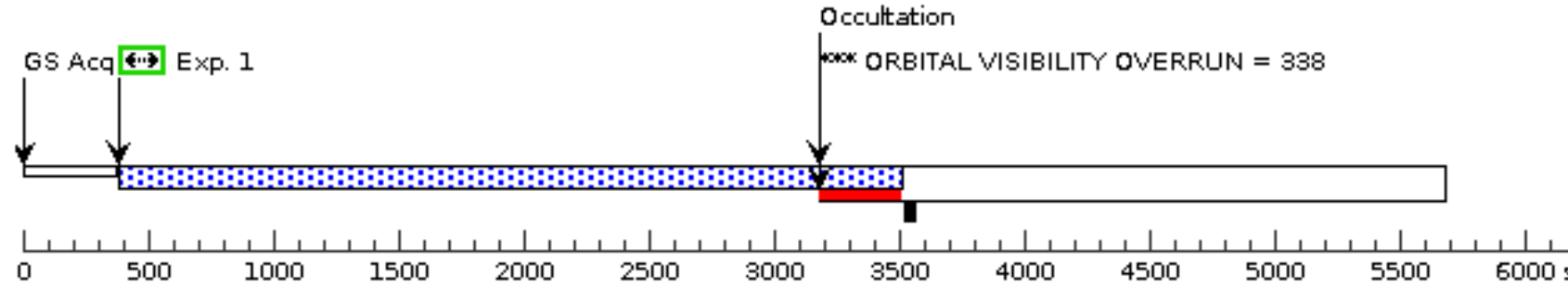
Proposal 17155 - Visit 21 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 21, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 21) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 21)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 21)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(22)	J2330-2005	RA: 23 30 27.0350 (352.6126458d) Dec: -20 05 29.49 (-20.09152d) Equinox: J2000					V=27.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(22) J2330-2005	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)			
									[==>]		[1]	
	2		(22) J2330-2005	ACS/SBC, ACCUM, SBC	F140LP				566 Secs (566 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 65 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 17155 - Visit 22 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 22, completed									Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/SBC										
	Special Requirements: (none)										
Diagnostics	(Visit 22) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(Exposure 1 (Visit 22)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
	(Exposure 2 (Visit 22)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(23)	J1231-1411	RA: 12 31 11.3132 (187.7971383d) Dec: -14 11 43.63 (-14.19545d) Equinox: J2000				V=27.0	Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(23) J1231-1411	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)		
									[==>]	[1]	
	2		(23) J1231-1411	ACS/SBC, ACCUM, SBC	F140LP				562 Secs (562 Secs)		
									[==>]	[1]	
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 68 <										

Proposal 17155 - Visit 23 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 23, completed										Tue Jan 07 17:00:42 GMT 2025
	Diagnostic Status: Warning										
Diagnostics	Scientific Instruments: ACS/SBC										
	Special Requirements: (none)										
Fixed Targets	(Visit 23) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(Exposure 1 (Visit 23)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(24)	J1434+7257	RA: 14 33 59.7370 (218.4989042d) Dec: +72 57 26.51 (72.95736d) Equinox: J2000		V=27.0	Reference Frame: ICRS					
Exposures	Comments: Category=STAR Description=[PULSAR]										
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1		(24) J1434+7257	ACS/SBC, ACCUM, SBC	F140LP				750 Secs (3061 Secs)		
									[=>3061.0 Secs]		[1]
Orbit Structure	Orbit 1										Server Version: 20240604
											

Proposal 17155 - Visit 24 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 24, implementation									Tue Jan 07 17:00:42 GMT 2025		
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Exposure 1 (Visit 24)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 24)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(25)	J1537+1155	RA: 15 37 9.9640 (234.2915167d) Dec: +11 55 54.87 (11.93191d) Equinox: J2000				V=27.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(25) J1537+1155	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)			
									[==>]		[1]	
	2		(25) J1537+1155	ACS/SBC, ACCUM, SBC	F140LP				494 Secs (494 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604											

Proposal 17155 - Visit 25 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 25, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 25) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 25)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 25)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(27)	J2214+3000	RA: 22 14 38.8671 (333.6619463d) Dec: +30 00 38.19 (30.01061d) Equinox: J2000				V=27.00		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(27) J2214+3000	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1630 Secs (1630 Secs)			
									[==>]		[1]	
	2		(27) J2214+3000	ACS/SBC, ACCUM, SBC	F140LP				777 Secs (777 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604 GS Acq Exp. 1 Exp. 2 Shadow Limit Occultation ORBITAL VISIBILITY OVERRUN = 73 050010001500200025003000350040004500500055006000 sec											

Proposal 17155 - Visit 26 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 26, implementation									Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/SBC										
	Special Requirements: (none)										
Diagnostics	(Exposure 1 (Visit 26)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
	(Exposure 2 (Visit 26)) Warning (Form): Sensitive exposures should have an ETC run number provided.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(28)	J1400-1431	RA: 14 00 37.0130 (210.1542208d) Dec: -14 31 47.55 (-14.52988d) Equinox: J2000				V=28	Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(28) J1400-1431	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)		
									[==>]	[1]	
	2		(28) J1400-1431	ACS/SBC, ACCUM, SBC	F140LP				494 Secs (494 Secs)		
									[==>]	[1]	
Orbit Structure	Orbit 1 Server Version: 20240604										

Proposal 17155 - Visit 27 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 27, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 27) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 27)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 27)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(29)	J2222-0137	RA: 22 22 6.0054 (335.5250225d) Dec: -01 37 15.79 (-1.62105d) Equinox: J2000				V=28		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(29) J2222-0137	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)			
									[==>]		[1]	
	2		(29) J2222-0137	ACS/SBC, ACCUM, SBC	F140LP				558 Secs (558 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604											

Proposal 17155 - Visit 28 - The legacy UV survey of 28 pulsars

Visit	Proposal 17155, Visit 28, completed										Tue Jan 07 17:00:42 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: ACS/SBC											
	Special Requirements: (none)											
Diagnostics	(Visit 28) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(Exposure 1 (Visit 28)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
	(Exposure 2 (Visit 28)) Warning (Form): Sensitive exposures should have an ETC run number provided.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(30)	J2322-2650	RA: 23 22 34.6381 (350.6443254d) Dec: -26 50 58.41 (-26.84956d) Equinox: J2000				V=28		Reference Frame: ICRS			
	Comments: Category=STAR Description=[PULSAR]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(30) J2322-2650	ACS/SBC, ACCUM, SBC	F125LP		SHADOW		1830 Secs (1830 Secs)			
									[==>]		[1]	
	2		(30) J2322-2650	ACS/SBC, ACCUM, SBC	F140LP				570 Secs (570 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20240604											