



15867 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy

Imaging Surveys

Cycle: 27, Proposal Category: SNAP

(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) DESI-003.6745-13.5042	WFC3/IR	1	02-Oct-2019 09:00:33.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
02	(2) DESI-004.2564-10.1530	WFC3/IR	1	02-Oct-2019 09:00:34.0	yes
03	(3) DESI-006.3643+10.1853	WFC3/IR	1	02-Oct-2019 09:00:35.0	yes
04	(4) DESI-008.0136+07.6678	WFC3/IR	1	02-Oct-2019 09:00:35.0	yes
05	(5) DESI-010.2876-00.7303	WFC3/IR	1	02-Oct-2019 09:00:36.0	yes
06	(6) DESI-011.5084-01.9412	WFC3/IR	1	02-Oct-2019 09:00:36.0	yes
07	(7) DESI-022.7106-16.0024	WFC3/IR	1	02-Oct-2019 09:00:37.0	yes
08	(8) DESI-023.0157-16.0040	WFC3/IR	1	02-Oct-2019 09:00:37.0	yes
09	(9) DESI-023.6765+04.5639	WFC3/IR	1	02-Oct-2019 09:00:38.0	yes
10	(10) DESI-024.1631+00.1384	WFC3/IR	1	02-Oct-2019 09:00:39.0	yes
11	(11) DESI-025.2755-17.2232	WFC3/IR	1	02-Oct-2019 09:00:39.0	yes
12	(12) DESI-025.4848+30.7585	WFC3/IR	1	02-Oct-2019 09:00:40.0	yes
13	(13) DESI-025.7083-19.7918	WFC3/IR	1	02-Oct-2019 09:00:40.0	yes
14	(14) DESI-026.0168-00.1296	WFC3/IR	1	02-Oct-2019 09:00:41.0	yes
15	(15) DESI-026.3453+04.8579	WFC3/IR	1	02-Oct-2019 09:00:41.0	yes
16	(16) DESI-026.4848+04.0413	WFC3/IR	1	02-Oct-2019 09:00:42.0	yes
17	(17) DESI-027.3284-13.8180	WFC3/IR	1	02-Oct-2019 09:00:42.0	yes
18	(18) DESI-027.3698-08.7626	WFC3/IR	1	02-Oct-2019 09:00:43.0	yes
19	(19) DESI-027.9723-14.8069	WFC3/IR	1	02-Oct-2019 09:00:43.0	yes
20	(20) DESI-029.1778-10.1834	WFC3/IR	1	02-Oct-2019 09:00:44.0	yes
21	(21) DESI-029.6032-00.6665	WFC3/IR	1	02-Oct-2019 09:00:44.0	yes
22	(22) DESI-030.2832-15.8547	WFC3/IR	1	02-Oct-2019 09:00:45.0	yes
23	(23) DESI-030.4360-27.6618	WFC3/IR	1	02-Oct-2019 09:00:45.0	yes
24	(24) DESI-032.4042-25.3555	WFC3/IR	1	02-Oct-2019 09:00:46.0	yes
25	(25) DESI-032.7525-19.6362	WFC3/IR	1	02-Oct-2019 09:00:46.0	yes
26	(26) DESI-033.8095-29.1570	WFC3/IR	1	02-Oct-2019 09:00:47.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
27	(27) DESI-036.0677-16.3767	WFC3/IR	1	02-Oct-2019 09:00:47.0	yes
28	(28) DESI-036.4422-07.6274	WFC3/IR	1	02-Oct-2019 09:00:48.0	yes
29	(29) DESI-036.6760-3.6801	WFC3/IR	1	02-Oct-2019 09:00:48.0	yes
30	(30) DESI-037.0378-12.8812	WFC3/IR	1	02-Oct-2019 09:00:49.0	yes
31	(31) DESI-038.2078-03.3906	WFC3/IR	1	02-Oct-2019 09:00:49.0	yes
32	(32) DESI-041.5205-06.1275	WFC3/IR	1	02-Oct-2019 09:00:50.0	yes
33	(33) DESI-042.0348-02.2770	WFC3/IR	1	02-Oct-2019 09:00:50.0	yes
34	(34) DESI-060.0471-15.8799	WFC3/IR	1	02-Oct-2019 09:00:51.0	yes
35	(35) DESI-060.2420-13.9567	WFC3/IR	1	02-Oct-2019 09:00:51.0	yes
36	(36) DESI-060.8033-15.2161	WFC3/IR	1	02-Oct-2019 09:00:52.0	yes
37	(37) DESI-060.8089-15.0458	WFC3/IR	1	02-Oct-2019 09:00:52.0	yes
38	(38) DESI-061.1134-17.2082	WFC3/IR	1	02-Oct-2019 09:00:53.0	yes
39	(39) DESI-072.0873-19.4172	WFC3/IR	1	02-Oct-2019 09:00:53.0	yes
40	(40) DESI-73.5286-10.2239	WFC3/IR	1	02-Oct-2019 09:00:54.0	yes
41	(41) DESI-077.6960-26.5395	WFC3/IR	1	02-Oct-2019 09:00:54.0	yes
42	(42) DESI-094.5639+50.3059	WFC3/IR	1	02-Oct-2019 09:00:55.0	yes
43	(43) DESI-118.8480+34.7610	WFC3/IR	1	02-Oct-2019 09:00:55.0	yes
44	(44) DESI-122.0852+10.5284	WFC3/IR	1	02-Oct-2019 09:00:56.0	yes
45	(45) DESI-133.3800+23.3652	WFC3/IR	1	02-Oct-2019 09:00:56.0	yes
46	(46) DESI-133.5531-04.4026	WFC3/IR	1	02-Oct-2019 09:00:57.0	yes
47	(47) DESI-133.6197+10.1374	WFC3/IR	1	02-Oct-2019 09:00:57.0	yes
48	(48) DESI-135.3125+09.9401	WFC3/IR	1	02-Oct-2019 09:00:58.0	yes
49	(49) DESI-140.8110+18.4954	WFC3/IR	1	02-Oct-2019 09:00:58.0	yes
50	(50) DESI-141.0626+05.7690	WFC3/IR	1	02-Oct-2019 09:00:59.0	yes
51	(51) DESI-143.3887+09.3219	WFC3/IR	1	02-Oct-2019 09:00:59.0	yes

Proposal 15867 (STScI Edit Number: 0, Created: Wednesday, October 2, 2019 at 8:01:30 AM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
52	(52) DESI-145.0099+05.4279	WFC3/IR	1	02-Oct-2019 09:01:00.0	yes
53	(53) DESI-145.9507+00.9906	WFC3/IR	1	02-Oct-2019 09:01:00.0	yes
54	(54) DESI-152.0763+31.7005	WFC3/IR	1	02-Oct-2019 09:01:01.0	yes
55	(55) DESI-153.7937+32.5308	WFC3/IR	1	02-Oct-2019 09:01:01.0	yes
56	(56) DESI-154.5307-00.1368	WFC3/IR	1	02-Oct-2019 09:01:02.0	yes
57	(57) DESI-154.6972-01.3590	WFC3/IR	1	02-Oct-2019 09:01:02.0	yes
58	(58) DESI-155.7366-05.0529	WFC3/IR	1	02-Oct-2019 09:01:03.0	yes
59	(59) DESI-157.6135-06.6858	WFC3/IR	1	02-Oct-2019 09:01:03.0	yes
60	(60) DESI-158.2306+75.3149	WFC3/IR	1	02-Oct-2019 09:01:04.0	yes
61	(61) DESI-158.7893-02.3037	WFC3/IR	1	02-Oct-2019 09:01:04.0	yes
62	(62) DESI-160.1717+18.8478	WFC3/IR	1	02-Oct-2019 09:01:05.0	yes
63	(63) DESI-160.2351-01.0663	WFC3/IR	1	02-Oct-2019 09:01:05.0	yes
64	(64) DESI-161.8206+27.9906	WFC3/IR	1	02-Oct-2019 09:01:06.0	yes
65	(65) DESI-165.4754-06.0423	WFC3/IR	1	02-Oct-2019 09:01:06.0	yes
66	(66) DESI-165.6876+12.1864	WFC3/IR	1	02-Oct-2019 09:01:07.0	yes
67	(67) DESI-172.6730+11.3081	WFC3/IR	1	02-Oct-2019 09:01:07.0	yes
68	(68) DESI-173.5198+09.5846	WFC3/IR	1	02-Oct-2019 09:01:08.0	yes
69	(69) DESI-174.2820+14.7811	WFC3/IR	1	02-Oct-2019 09:01:08.0	yes
70	(70) DESI-178.0775+08.8170	WFC3/IR	1	02-Oct-2019 09:01:09.0	yes
71	(71) DESI-181.3974+41.1790	WFC3/IR	1	02-Oct-2019 09:01:09.0	yes
72	(72) DESI-186.4028-07.4188	WFC3/IR	1	02-Oct-2019 09:01:10.0	yes
73	(73) DESI-186.8292+17.4324	WFC3/IR	1	02-Oct-2019 09:01:10.0	yes
74	(74) DESI-189.4008+55.5619	WFC3/IR	1	02-Oct-2019 09:01:11.0	yes
75	(75) DESI-189.5370+15.0309	WFC3/IR	1	02-Oct-2019 09:01:11.0	yes
76	(76) DESI-190.1345+45.1508	WFC3/IR	1	02-Oct-2019 09:01:12.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
77	(77) DESI-192.9428+01.7155	WFC3/IR	1	02-Oct-2019 09:01:12.0	yes
78	(78) DESI-194.5344+03.5358	WFC3/IR	1	02-Oct-2019 09:01:13.0	yes
79	(79) DESI-202.6690+04.6707	WFC3/IR	1	02-Oct-2019 09:01:13.0	yes
80	(80) DESI-202.9388+51.5753	WFC3/IR	1	02-Oct-2019 09:01:14.0	yes
81	(81) DESI-205.1910+38.5483	WFC3/IR	1	02-Oct-2019 09:01:14.0	yes
82	(82) DESI-215.2654+00.3719	WFC3/IR	1	02-Oct-2019 09:01:15.0	yes
83	(83) DESI-216.9538+08.1792	WFC3/IR	1	02-Oct-2019 09:01:15.0	yes
84	(84) DESI-217.0936+03.3000	WFC3/IR	1	02-Oct-2019 09:01:15.0	yes
85	(85) DESI-220.3861-00.8995	WFC3/IR	1	02-Oct-2019 09:01:16.0	yes
86	(86) DESI-220.4549+14.6891	WFC3/IR	1	02-Oct-2019 09:01:16.0	yes
87	(87) DESI-225.4050+52.1417	WFC3/IR	1	02-Oct-2019 09:01:17.0	yes
88	(88) DESI-226.2950+17.3451	WFC3/IR	1	02-Oct-2019 09:01:17.0	yes
89	(89) DESI-227.3528+39.0279	WFC3/IR	1	02-Oct-2019 09:01:18.0	yes
90	(90) DESI-227.5364+20.6236	WFC3/IR	1	02-Oct-2019 09:01:18.0	yes
91	(91) DESI-231.2858+42.4643	WFC3/IR	1	02-Oct-2019 09:01:19.0	yes
92	(92) DESI-234.4783+14.7232	WFC3/IR	1	02-Oct-2019 09:01:19.0	yes
93	(93) DESI-234.8707+16.8379	WFC3/IR	1	02-Oct-2019 09:01:20.0	yes
94	(94) DESI-238.5690+04.7276	WFC3/IR	1	02-Oct-2019 09:01:20.0	yes
95	(95) DESI-245.7514+21.6226	WFC3/IR	1	02-Oct-2019 09:01:21.0	yes
96	(96) DESI-246.0062+01.4836	WFC3/IR	1	02-Oct-2019 09:01:21.0	yes
97	(97) DESI-252.9173+28.0881	WFC3/IR	1	02-Oct-2019 09:01:22.0	yes
98	(98) DESI-254.4235+34.8162	WFC3/IR	1	02-Oct-2019 09:01:22.0	yes
99	(99) DESI-257.4348+31.9046	WFC3/IR	1	02-Oct-2019 09:01:23.0	yes
0A	(100) DESI-259.8396+24.6880	WFC3/IR	1	02-Oct-2019 09:01:23.0	yes
0B	(101) DESI-278.8338+46.1076	WFC3/IR	1	02-Oct-2019 09:01:24.0	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>
0C	(102) DESI-293.9927+58.1525	WFC3/IR	1	02-Oct-2019 09:01:24.0	yes
0D	(103) DESI-310.8019-06.1649	WFC3/IR	1	02-Oct-2019 09:01:25.0	yes
0E	(104) DESI-327.8408+13.7884	WFC3/IR	1	02-Oct-2019 09:01:25.0	yes
0F	(105) DESI-329.6820+02.9584	WFC3/IR	1	02-Oct-2019 09:01:26.0	yes
0G	(106) DESI-346.3403-00.0366	WFC3/IR	1	02-Oct-2019 09:01:26.0	yes
0H	(107) DESI-349.5492-11.1012	WFC3/IR	1	02-Oct-2019 09:01:27.0	yes
0I	(108) DESI-351.4891-00.8741	WFC3/IR	1	02-Oct-2019 09:01:27.0	yes
0J	(109) DESI-352.8770+00.6260	WFC3/IR	1	02-Oct-2019 09:01:28.0	yes
0K	(110) DESI-353.4836-14.3846	WFC3/IR	1	02-Oct-2019 09:01:28.0	yes
0L	(111) DESI-359.1477-13.2930	WFC3/IR	1	02-Oct-2019 09:01:29.0	yes
0M	(112) DESI-359.8897+02.1399	WFC3/IR	1	02-Oct-2019 09:01:29.0	yes

112 Total Orbits Used

ABSTRACT

We propose WFC3 IR imaging of a sample of 112 new strong galaxy-galaxy lensing candidates discovered within the Dark Energy Spectroscopic Instrument (DESI) Legacy Imaging Surveys, Data Release 7, using a deep neural network. These candidates are highly likely strong lensing systems (with $> 90\%$ confidence). Many of these systems have multiple lensed images. We further estimate that the lenses in a large number of them are elliptical galaxies at redshifts of $z \sim 0.8$ or higher. If confirmed, this will likely significantly increase the number of high redshift galaxy lenses, with the implication that the number of multiply lensed sources (including supernovae) at higher redshifts will also increase. This set can be added to the known lens sample to tackle the cosmologically significant problems of studying substructures in dark matter and measuring the Hubble Constant, H_0 , through a targeted search for multiply lensed supernovae in the future.

OBSERVING DESCRIPTION

All targets 3 x 399.23 Secs (1197.7 Sec) WFC3 F140W.

There should be two exposures per visit, one visit per target, and identical specifications for all.

Targets are to be centered in the WFC3 aperture. No CR split, because we want to keep read noise down (we are read-noise limited at these short exposure times). These exposures do not pack the orbit, but rather minimize the visit time within acceptable limits so as to achieve the best possible snapshot execution likelihood.

In the event of reduced-gyro operation, we can easily adapt. The resulting smaller field does not impact us. If a guide star is lost, we can take the readout and spatially align the exposures. Finally a change in orientation is not an issue for our program.

Proposal 15867 - Visit 01 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 01, implementation										Wed Oct 02 13:01:30 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(1)	DESI-003.6745-13.5042		RA: 00 14 41.8872 (3.6745300d) Dec: -13 30 15.12 (-13.50420d) Equinox: J2000								V=19.08				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-003.6745-13.5042 (1)	(1) DESI-003.6745-1 3.5042	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 01 (1)		399.233383 Secs (1197.7 Secs)							
																[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the orbit structure for Visit 01. The timeline starts at 0 seconds and ends at 6000 seconds. Key events are marked with arrows: GS Acq at ~200s, Exp. 1 at ~400s, Pointing Maneuver at ~800s, Exp. 1 at ~1000s, Pointing Maneuver at ~1200s, Exp. 1 at ~1400s, Reconfig at ~1800s, and Occultation at ~3200s. A green bar from ~1800s to ~3200s represents 'Unused Orbital Visibility = 1439'. The timeline is divided into segments: GS Acq (blue), Exp. 1 (blue), Pointing Maneuver (black), Exp. 1 (blue), Pointing Maneuver (black), Exp. 1 (blue), Reconfig (black), and Occultation (white).																						

Proposal 15867 - Visit 02 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 02, implementation										Wed Oct 02 13:01:30 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(2)	DESI-004.2564-10.1530		RA: 00 17 1.5432 (4.2564300d) Dec: -10 09 10.87 (-10.15302d) Equinox: J2000								V=20.37				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-004.2564-10.1530 (1)	(2) DESI-004.2564-1 0.1530	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 02 (1)		399.233383 Secs (1197.7 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 03 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 03, implementation										Wed Oct 02 13:01:30 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(3)	DESI-006.3643+10.1853		RA: 00 25 27.4392 (6.3643300d) Dec: +10 11 7.01 (10.18528d) Equinox: J2000								V=19.46				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-6.3643+10.1853 (1)	(3) DESI-006.3643+10.1853	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 03 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 04 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 04, implementation										Wed Oct 02 13:01:30 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(4)	DESI-008.0136+07.6678		RA: 00 32 3.2640 (8.0136000d) Dec: +07 40 4.08 (7.66780d) Equinox: J2000				V=20.36		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-008.0136+07.6678 (1)	(4) DESI-008.0136+07.6678	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50			Pattern 1, Exps 1-1 in Visit 04 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 05 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

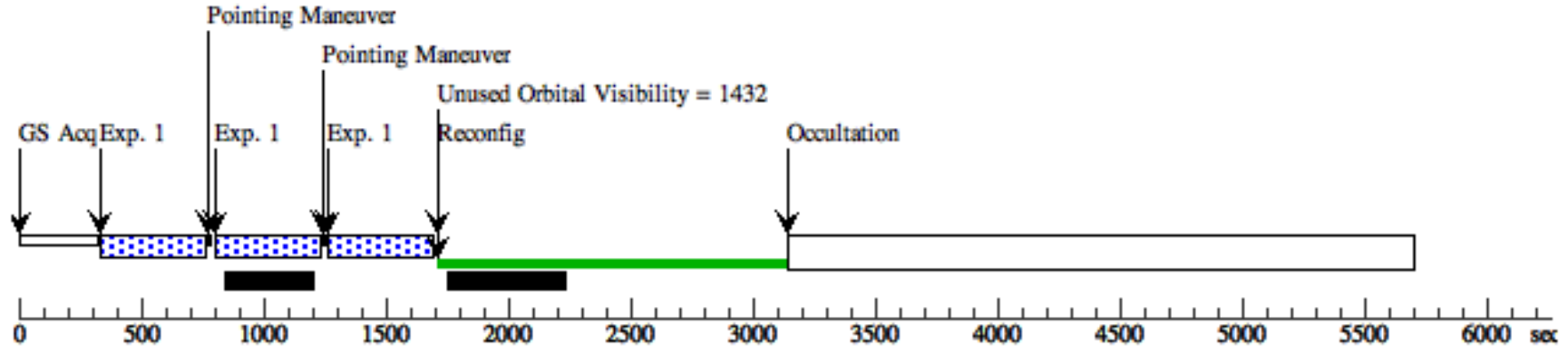
Visit	Proposal 15867, Visit 05, implementation Wed Oct 02 13:01:30 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	DESI-010.2876-00.7303	RA: 00 41 9.0168 (10.2875700d) Dec: -00 43 49.08 (-.73030d) Equinox: J2000	Redshift: 0.5633	V=20.4
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
	1	DESI-010.2 876-00.7303 (1)	(5) DESI-010.2876-0 0.7303	WFC3/IR, MULTIACCUM, IR	F140W
					NSAMP=13; SAMP-SEQ=STEP5 0
					Special Reqs.
					Groups
					Exp. Time (Total)/[Actual Dur.]
					Orbit
					399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20190514				

Proposal 15867 - Visit 06 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 06, implementation Wed Oct 02 13:01:30 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(6)	DESI-011.5084-01.9412	RA: 00 46 2.0160 (11.5084000d) Dec: -01 56 28.32 (-1.94120d) Equinox: J2000	Redshift: 0.5501	V=20.15
Exposures	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES				
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
	1	DESI-011.5084-01.9412 (1)	(6) DESI-011.5084-01.9412	WFC3/IR, MULTIACCUM, IR	F140W
					NSAMP=13; SAMP-SEQ=STEP5 0
					Special Reqs.
					Pattern 1, Exps 1-1 in Visit 06 (1)
					Groups
					399.233383 Secs (1197.7 Secs)
					Exp. Time (Total)/[Actual Dur.]
					[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]
Orbit Structure					Orbit
					[1]

Orbit 1

Server Version: 20190514



Proposal 15867 - Visit 07 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 07, implementation										Wed Oct 02 13:01:30 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(7)	DESI-022.7106-16.0024		RA: 01 30 50.5464 (22.7106100d) Dec: -16 00 8.64 (-16.00240d) Equinox: J2000								V=20.37				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-022.7106-16.0024 (1)	(7) DESI-022.7106-16.0024	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 07 (1)		399.233383 Secs (1197.7 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1 Pointing Maneuver Exp. 1 Pointing Maneuver Exp. 1 Reconfig Unused Orbital Visibility = 1446 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 15867 - Visit 08 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 08, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(8)	DESI-023.0157-16.0040		RA: 01 32 3.7776 (23.0157400d) Dec: -16 00 14.54 (-16.00404d) Equinox: J2000				V=19.8		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-023.0157-16.0040 (1)	(8) DESI-023.0157-1 6.0040	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 08 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 09 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 09, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(9)	DESI-023.6765+04.5639		RA: 01 34 42.3720 (23.6765500d) Dec: +04 33 50.04 (4.56390d) Equinox: J2000				Redshift: 0.5508				V=20.05				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1	DESI-023.6765+04.5639 (1)	(9) DESI-023.6765+04.5639	WFC3/IR, MULTIACCUM, IR			F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 09 (1)		399.233383 Secs (1197.7 Secs)								
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 10 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 10, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(10)	DESI-024.1631+00.1384		RA: 01 36 39.1560 (24.1631500d) Dec: +00 08 18.06 (.13835d) Equinox: J2000				Redshift: 0.3441				V=18.08				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-024.1631+00.1384 (1)	(10) DESI-024.1631 +00.1384	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 10 (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 11 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 11, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(11)	DESI-025.2755-17.2232		RA: 01 41 6.1296 (25.2755400d) Dec: -17 13 23.66 (-17.22324d) Equinox: J2000								V=20.35				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-025.2755-17.2232 (1)	(11) DESI-025.2755-17.2232	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 11 (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 12 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 12, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(12)	DESI-025.4848+30.7585		RA: 01 41 56.3520 (25.4848000d) Dec: +30 45 30.60 (30.75850d) Equinox: J2000								V=20.78				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-025.4848+30.7585	(12) DESI-025.4848 +30.7585	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 12 (1)		399.233383 Secs (1197.7 Secs)							
	5 (1)															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 13 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 13, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(13)	DESI-025.7083-19.7918		RA: 01 42 50.0016 (25.7083400d) Dec: -19 47 30.55 (-19.79182d) Equinox: J2000								V=17.9				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-025.7083-19.7918 (1)	(13) DESI-025.7083-19.7918	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 13 (1)		399.233383 Secs (1197.7 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 14 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 14, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(14)	DESI-026.0168-00.1296		RA: 01 44 4.0224 (26.0167600d) Dec: -00 07 46.45 (-.12957d) Equinox: J2000				V=20.2		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-026.0168-00.1296 (1)	(14) DESI-026.0168-00.1296	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 14 (1)	399.233383 Secs (1197.7 Secs)			
											[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 15 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 15, implementation										Wed Oct 02 13:01:31 GMT 2019
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(15)	DESI-026.3453+04.8579	RA: 01 45 22.8720 (26.3453000d) Dec: +04 51 28.44 (4.85790d) Equinox: J2000				V=19.98		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-026.3453+04.8579 (1)	(15) DESI-026.3453 +04.8579	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 15 (1)	399.233383 Secs (1197.7 Secs)		
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514										

Proposal 15867 - Visit 16 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 16, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(16)	DESI-026.4848+04.0413		RA: 01 45 56.3520 (26.4848000d) Dec: +04 02 28.61 (4.04128d) Equinox: J2000				V=21.59		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-026.4848+04.0413 (1)	(16) DESI-026.4848 +04.0413	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 16 (1)	399.233383 Secs (1197.7 Secs)		
											[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the orbit structure for Orbit 1, spanning from 0 to 6000 seconds. Key events and phases are marked along the timeline: GS Acq: Ground Station Acquisition at approximately 100 seconds. Exp. 1: Three exposure periods, each lasting approximately 100 seconds, occurring at roughly 400, 800, and 1200 seconds. Pointing Maneuver: Two maneuvers, each lasting approximately 100 seconds, occurring at roughly 600 and 1000 seconds. Reconfig: A reconfiguration period lasting approximately 100 seconds, occurring at roughly 1700 seconds. Unused Orbital Visibility = 1432: A green bar indicating the duration of unused orbital visibility, spanning from approximately 1700 to 3132 seconds. Occultation: A period of occultation starting at approximately 3132 seconds and lasting until the end of the orbit at 6000 seconds.												

Proposal 15867 - Visit 17 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 17, implementation										Wed Oct 02 13:01:31 GMT 2019	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true								(1)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(17)	DESI-027.3284-13.8180		RA: 01 49 18.8208 (27.3284200d) Dec: -13 49 4.73 (-13.81798d) Equinox: J2000				V=21.45		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-027.3284-13.8180 (1)	(17) DESI-027.3284-13.8180	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 17 (1)	399.233383 Secs (1197.7 Secs)		
										[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 6000 seconds. Key phases include: GS Acq (0-50s), Exp. 1 (50-100s), Pointing Maneuver (100-150s), Exp. 1 (150-200s), Pointing Maneuver (200-250s), Exp. 1 (250-300s), Reconfig (300-350s), Unused Orbital Visibility (350-2000s), and Occultation (2000-5500s). The timeline is marked with a green bar for visibility and a black bar for occultation.											

Proposal 15867 - Visit 18 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 18, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(18)	DESI-027.3698-08.7626		RA: 01 49 28.7520 (27.3698000d) Dec: -08 45 45.36 (-8.76260d) Equinox: J2000								V=22.14				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-027.3698-08.7626 (1)	(18) DESI-027.3698-08.7626	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 18 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1Exp. 1Exp. 1ReconfigUnused Orbital Visibility = 1435Occultation 050010001500200025003000350040004500500055006000 sec																						

Proposal 15867 - Visit 19 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 19, implementation Wed Oct 02 13:01:31 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(19)	DESI-027.9723-14.8069	RA: 01 51 53.3568 (27.9723200d) Dec: -14 48 24.80 (-14.80689d) Equinox: J2000		V=21.07
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
	1	DESI-027.9723-14.8069 (1)	(19) DESI-027.9723-14.8069	WFC3/IR, MULTIACCUM, IR	F140W
					Opt. Params. NSAMP=13; SAMP-SEQ=STEP5 0
					Special Reqs.
					Groups Pattern 1, Exps 1-1 in Visit 19 (1)
					Exp. Time (Total)/[Actual Dur.] 399.233383 Secs (1197.7 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[=>(Pattern 3)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20190514				

Proposal 15867 - Visit 20 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 20, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(20)	DESI-029.1778-10.1834		RA: 01 56 42.6720 (29.1778000d) Dec: -10 11 0.24 (-10.18340d) Equinox: J2000								V=21.47				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-029.1778-10.1834 (1)	(20) DESI-029.1778-10.1834	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 20 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 21 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 21, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(21)	DESI-029.6032-00.6665		RA: 01 58 24.7752 (29.6032300d) Dec: -00 39 59.47 (-.66652d) Equinox: J2000								V=20.43				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-029.6032-00.6665 (1)	(21) DESI-029.6032-00.6665	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 21 (1)		399.233383 Secs (1197.7 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 22 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 22, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(22)	DESI-030.2832-15.8547		RA: 02 01 7.9656 (30.2831900d) Dec: -15 51 17.06 (-15.85474d) Equinox: J2000				V=20.23		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-030.2832-15.8547 (1)	(22) DESI-030.2832-15.8547	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 22 (1)	399.233383 Secs (1197.7 Secs)		
											[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 23 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 23, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(23)	DESI-030.4360-27.6618		RA: 02 01 44.6400 (30.4360000d) Dec: -27 39 42.52 (-27.66181d) Equinox: J2000				V=21.9		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-030.4 360-27.6618 (1)	(23) DESI-030.4360-27.6618	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 23 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 24 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 24, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(24)	DESI-032.4042-25.3555		RA: 02 09 37.0128 (32.4042200d) Dec: -25 21 19.76 (-25.35549d) Equinox: J2000				V=17.5		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-032.4 042-25.3555 (1)	(24) DESI-032.4042-25.3555	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 24 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 25 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 25, implementation										Wed Oct 02 13:01:31 GMT 2019			
	Diagnostic Status: No Diagnostics													
	Scientific Instruments: WFC3/IR													
	Special Requirements: (none)													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)		
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes			Miscellaneous		
	(25)	DESI-032.7525-19.6362	RA: 02 11 0.6000 (32.7525000d) Dec: -19 38 10.18 (-19.63616d) Equinox: J2000						V=19.7			Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES													
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.		Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-032.7525-19.6362 (1)	(25) DESI-032.7525-19.6362	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 25 (1)	399.233383 Secs (1197.7 Secs)		
												[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1 Server Version: 20190514													

Proposal 15867 - Visit 26 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 26, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(26)	DESI-033.8095-29.1570		RA: 02 15 14.2776 (33.8094900d) Dec: -29 09 25.38 (-29.15705d) Equinox: J2000				V=20.33		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-033.8095-29.1570 (1)	(26) DESI-033.8095-29.1570	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50		Pattern 1, Exps 1-1 in Visit 26 (1)	399.233383 Secs (1197.7 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 27 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 27, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(27)	DESI-036.0677-16.3767		RA: 02 24 16.2384 (36.0676600d) Dec: -16 22 36.12 (-16.37670d) Equinox: J2000				V=20.76		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-036.0677-16.3767 (1)	(27) DESI-036.0677-16.3767	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 27 (1)	399.233383 Secs (1197.7 Secs)		
											[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 28 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 28, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(28)	DESI-036.4422-07.6274		RA: 02 25 46.1280 (36.4422000d) Dec: -07 37 38.50 (-7.62736d) Equinox: J2000								V=20.05				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-036.4422-07.6274 (1)	(28) DESI-036.4422-07.6274	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 28 (1)		399.233383 Secs (1197.7 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the orbital structure for Orbit 1, spanning from 0 to 6000 seconds. Key events and phases are marked along the timeline: GS Acq: Ground Station Acquisition at approximately 250 seconds. Exp. 1: Exposure 1 at approximately 450 seconds. Pointing Maneuver: Two maneuvers are shown, one at approximately 850 seconds and another at approximately 1250 seconds. Reconfig: Reconfiguration at approximately 1750 seconds. Unused Orbital Visibility = 1435: A green bar indicates this period from approximately 1750 to 3185 seconds. Occultation: Occurs at approximately 3185 seconds, where the signal is lost for a duration of about 2500 seconds.																						

Proposal 15867 - Visit 29 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 29, implementation										Wed Oct 02 13:01:31 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(29)	DESI-036.6760-3.6801		RA: 02 26 42.2352 (36.6759800d) Dec: -03 40 48.29 (-3.68008d) Equinox: J2000				V=19.24		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-036.6760-3.6801 (1)	(29) DESI-036.6760-3.6801	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 29 (1)	399.233383 Secs (1197.7 Secs)		
											[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1Exp. 1Exp. 1ReconfigUnused Orbital Visibility = 1432Occultation 050010001500200025003000350040004500500055006000 sec												

Proposal 15867 - Visit 30 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 30, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(30)	DESI-037.0378-12.8812		RA: 02 28 9.0648 (37.0377700d) Dec: -12 52 52.28 (-12.88119d) Equinox: J2000								V=19.7				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-037.0378-12.8812 (1)	(30) DESI-037.0378-12.8812	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 30 (1)		399.233383 Secs (1197.7 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 31 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 31, implementation										Wed Oct 02 13:01:31 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(31)	DESI-038.2078-03.3906		RA: 02 32 49.8624 (38.2077600d) Dec: -03 23 26.09 (-3.39058d) Equinox: J2000								V=19.2				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-038.2078-03.3906 (1)	(31) DESI-038.2078-03.3906	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 31 (1)		399.233383 Secs (1197.7 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514 GS Acq Exp. 1 Pointing Maneuver Exp. 1 Pointing Maneuver Exp. 1 Reconfig Unused Orbital Visibility = 1432 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec																						

Proposal 15867 - Visit 32 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 32, implementation											Wed Oct 02 13:01:31 GMT 2019	
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(32)	DESI-041.5205-06.1275		RA: 02 46 4.9152 (41.5204800d) Dec: -06 07 39.14 (-6.12754d) Equinox: J2000				V=23.07		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-041.5 205-06.1275 (1)	(32) DESI-041.5205-06.1275	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 32 (1)	399.233383 Secs (1197.7 Secs)			
										[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 33 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 33, implementation Wed Oct 02 13:01:31 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(33)	DESI-042.0348-02.2770	RA: 02 48 8.3472 (42.0347800d) Dec: -02 16 37.27 (-2.27702d) Equinox: J2000		V=17.28
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
	1	DESI-042.0348-02.2770 (1)	(33) DESI-042.0348-02.2770	WFC3/IR, MULTIACCUM, IR	F140W
					Opt. Params.
					NSAMP=13; SAMP-SEQ=STEP5 0
					Special Reqs.
					Groups
					Pattern 1, Exps 1-1 i n Visit 33 (1)
					Exp. Time (Total)/[Actual Dur.]
					399.233383 Secs (1197.7 Secs)
					[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20190514				

Proposal 15867 - Visit 34 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 34, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(34)	DESI-060.0471-15.8799		RA: 04 00 11.3112 (60.0471300d) Dec: -15 52 47.60 (-15.87989d) Equinox: J2000								V=21.7				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-060.0471-15.8799 (1)	(34) DESI-060.0471-15.8799	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 34 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 35 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 35, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(35)	DESI-060.2420-13.9567		RA: 04 00 58.0872 (60.2420300d) Dec: -13 57 23.98 (-13.95666d) Equinox: J2000				V=20.37		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-060.2420-13.9567 (1)	(35) DESI-060.2420-13.9567	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 35 (1)	399.233383 Secs (1197.7 Secs)		
											[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 36 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 36, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(36)	DESI-060.8033-15.2161		RA: 04 03 12.7992 (60.8033300d) Dec: -15 12 57.85 (-15.21607d) Equinox: J2000								V=21.69				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-060.8033-15.2161 (1)	(36) DESI-060.8033-15.2161	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 36 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 37 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 37, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(37)	DESI-060.8089-15.0458		RA: 04 03 14.1408 (60.8089200d) Dec: -15 02 44.74 (-15.04576d) Equinox: J2000								V=21.42				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-060.8089-15.0458 (1)	(37) DESI-060.8089-15.0458	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 37 (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 38 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 38, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true								(1)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(38)	DESI-061.1134-17.2082	RA: 04 04 27.2208 (61.1134200d) Dec: -17 12 29.63 (-17.20823d) Equinox: J2000				V=21.65		Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-061.1134-17.2082 (1)	(38) DESI-061.1134-17.2082	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 38 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1												Server Version: 20190514

Proposal 15867 - Visit 39 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 39, implementation										Wed Oct 02 13:01:32 GMT 2019	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true								(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(39)	DESI-072.0873-19.4172	RA: 04 48 20.9568 (72.0873200d) Dec: -19 25 2.10 (-19.41725d) Equinox: J2000				V=22.4		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-73.52 86-10.2239 (1)	(39) DESI-072.0873-19.4172	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 39 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1Exp. 1Exp. 1ReconfigUnused Orbital Visibility = 1446Occultation 050010001500200025003000350040004500500055006000 sec											

Proposal 15867 - Visit 40 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 40, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(40)	DESI-73.5286-10.2239		RA: 04 54 6.8640 (73.5286000d) Dec: -10 13 26.04 (-10.22390d) Equinox: J2000								V=17.28				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-073.5 286-10.2239 (1)	(40) DESI-73.5286-1 0.2239	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 40 (1)		399.233383 Secs (1197.7 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 41 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 41, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(41)	DESI-077.6960-26.5395		RA: 05 10 47.0376 (77.6959900d) Dec: -26 32 22.27 (-26.53952d) Equinox: J2000				V=21.7		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-077.6960-26.5395 (1)	(41) DESI-077.6960-26.5395	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 41 (1)	399.233383 Secs (1197.7 Secs)		
											[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 42 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 42, implementation											Wed Oct 02 13:01:32 GMT 2019	
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(42)	DESI-094.5639+50.3059	RA: 06 18 15.3336 (94.5638900d) Dec: +50 18 21.17 (50.30588d) Equinox: J2000						V=20.4		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-094.5639+50.3059 (1)	(42) DESI-094.5639 +50.3059	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 42 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 43 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 43, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(43)	DESI-118.8480+34.7610		RA: 07 55 23.5104 (118.8479600d) Dec: +34 45 39.49 (34.76097d) Equinox: J2000				V=22.1		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-118.8480+34.7610	(43) DESI-118.8480 +34.7610	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5			Pattern 1, Exps 1-1 in Visit 43 (1)	399.233383 Secs (1197.7 Secs)		
	0 (1)						0				[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the timeline of Orbit 1, spanning from 0 to 6000 seconds. Key phases and events are marked with arrows and labels: GS Acq: Ground Station Acquisition at the start (0s). Exp. 1: First exposure, indicated by a blue checkered bar. Pointing Maneuver: Two maneuvers are shown, indicated by black bars. Reconfig: Reconfiguration phase, indicated by a black bar. Unused Orbital Visibility = 1470: A period of 1470 seconds where the orbit is visible but not used for observations, shown as a green bar. Occultation: The end of the orbit, indicated by a black bar. The timeline is marked with ticks every 500 seconds.												

Proposal 15867 - Visit 44 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 44, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(44)	DESI-122.0852+10.5284		RA: 08 08 20.4552 (122.0852300d) Dec: +10 31 42.20 (10.52839d) Equinox: J2000		Redshift: 0.4754		V=19.02		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-122.0852+10.5284 (1)	(44) DESI-122.0852 +10.5284	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50			Pattern 1, Exps 1-1 in Visit 44 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 45 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 45, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(45)	DESI-133.3800+23.3652	RA: 08 53 31.2024 (133.3800100d) Dec: +23 21 54.54 (23.36515d) Equinox: J2000			Redshift: 0.2909			V=18.3		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-133.3800+23.3652 2 (1)	(45) DESI-133.3800 +23.3652	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 45 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 46 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 46, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(46)	DESI-133.5531-04.4026		RA: 08 54 12.7392 (133.5530800d) Dec: -04 24 9.25 (-4.40257d) Equinox: J2000				V=21.93		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-133.5531-04.4026 (1)	(46) DESI-133.5531-04.4026	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 46 (1)	399.233383 Secs (1197.7 Secs)		
											[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 47 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 47, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(47)	DESI-133.6197+10.1374		RA: 08 54 28.7280 (133.6197000d) Dec: +10 08 14.75 (10.13743d) Equinox: J2000				Redshift: 0.2978				V=18.4				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1	DESI-133.6197+10.1374 (1)	(47) DESI-133.6197 +10.1374	WFC3/IR, MULTIACCUM, IR			F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 47 (1)		399.233383 Secs (1197.7 Secs)								
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1Exp. 1Exp. 1ReconfigUnused Orbital Visibility = 1439Occultation																						

Proposal 15867 - Visit 48 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 48, implementation										Wed Oct 02 13:01:32 GMT 2019	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(48)	DESI-135.3125+09.9401	RA: 09 01 15.0096 (135.3125400d) Dec: +09 56 24.22 (9.94006d) Equinox: J2000				V=21.76		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-135.3125+09.9401 1 (1)	(48) DESI-135.3125+09.9401	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 48 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20190514
	The diagram illustrates the orbit structure for Orbit 1 over a 6000-second period. Key events and durations are as follows: GS Acq: Occurs at the start of the timeline. Exp. 1: Three exposure periods are shown, each with a duration of approximately 100 seconds. Pointing Maneuver: Two maneuvers are indicated, each with a duration of approximately 100 seconds. Reconfig: A reconfiguration event occurs at approximately 1700 seconds. Unused Orbital Visibility: A green bar indicates a period of 1435 seconds of unused visibility starting after the reconfiguration. Occultation: Occurs at approximately 3100 seconds.											

Proposal 15867 - Visit 49 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 49, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true								(1)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(49)	DESI-140.8110+18.4954	RA: 09 23 14.6328 (140.8109700d) Dec: +18 29 43.55 (18.49543d) Equinox: J2000		Redshift: 0.8732		V=19.95		Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-140.8110+18.4954 (1)	(49) DESI-140.8110 +18.4954	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 49 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1												Server Version: 20190514

Proposal 15867 - Visit 50 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 50, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(50)	DESI-141.0626+05.7690		RA: 09 24 15.0312 (141.0626300d) Dec: +05 46 8.36 (5.76899d) Equinox: J2000		Redshift: 0.6128		V=20.34		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-141.0626+05.7690 0 (1)	(50) DESI-141.0626 +05.7690	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 50 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1Pointing ManeuverExp. 1Pointing ManeuverExp. 1ReconfigUnused Orbital Visibility = 1435Occultation												

Proposal 15867 - Visit 51 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 51, implementation										Wed Oct 02 13:01:32 GMT 2019
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(51)	DESI-143.3887+09.3219	RA: 09 33 33.2904 (143.3887100d) Dec: +09 19 18.95 (9.32193d) Equinox: J2000		Redshift: 0.743		V=21.32		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-143.3887+09.3219 9 (1)	(51) DESI-143.3887 +09.3219	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 51 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514										

Proposal 15867 - Visit 52 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 52, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(52)	DESI-145.0099+05.4279		RA: 09 40 2.3712 (145.0098800d) Dec: +05 25 40.44 (5.42790d) Equinox: J2000								V=20.41				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1	DESI-145.0099+05.4279 (1)	(52) DESI-145.0099 +05.4279	WFC3/IR, MULTIACCUM, IR			F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 52 (1)		399.233383 Secs (1197.7 Secs)								
															[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 6000 seconds. Key phases include: GS Acq (0-50s), Exp. 1 (50-100s, blue checkered), Pointing Maneuver (100-150s, black), Exp. 1 (150-200s, blue checkered), Pointing Maneuver (200-250s, black), Exp. 1 (250-300s, blue checkered), Reconfig (300-350s, black), Unused Orbital Visibility = 1435 (350-3000s, green), and Occultation (3000-5700s, white). A black bar is present between 800 and 1000 seconds.																						

Proposal 15867 - Visit 53 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 53, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(53)	DESI-145.9507+00.9906		RA: 09 43 48.1704 (145.9507100d) Dec: +00 59 26.27 (.99063d) Equinox: J2000								V=19.29				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-145.9507+00.9906	(53) DESI-145.9507+00.9906	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 53 (1)		399.233383 Secs (1197.7 Secs)							
		6 (1)															[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 54 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 54, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true									(1)		
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(54)	DESI-152.0763+31.7005	RA: 10 08 18.3096 (152.0762900d) Dec: +31 42 1.80 (31.70050d) Equinox: J2000			Redshift: 0.5394		V=20.74		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-152.0763+31.7005 (1)	(54) DESI-152.0763 +31.7005	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 54 (1)	399.233383 Secs (1197.7 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the orbit structure for Orbit 1 over a 6000-second period. Key events are marked with arrows: GS Acq at 0s, Exp. 1 at 400s, Pointing Maneuver at 800s and 1200s, Reconfig at 1700s, and Occultation at 3170s. A green bar from 1700s to 3170s represents 'Unused Orbital Visibility = 1470'. The timeline ends at 5700s.												

Proposal 15867 - Visit 55 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 55, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(55)	DESI-153.7937+32.5308		RA: 10 15 10.4880 (153.7937000d) Dec: +32 31 50.81 (32.53078d) Equinox: J2000				V=18.94		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-153.7937+02.5308 (1)	(55) DESI-153.7937 +32.5308	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 55 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 56 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 56, implementation										Wed Oct 02 13:01:32 GMT 2019																						
	Diagnostic Status: No Diagnostics																																
	Scientific Instruments: WFC3/IR																																
	Special Requirements: (none)																																
Patterns	#	Primary Pattern										Secondary Pattern										Exposures											
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)											
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous																	
	(56)	DESI-154.5307-00.1368		RA: 10 18 7.3752 (154.5307300d) Dec: -00 08 12.34 (-.13676d) Equinox: J2000				Redshift: 0.3718				V=19.5				Reference Frame: ICRS																	
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																																
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit													
	1	DESI-154.5307-00.1368 (1)	(56) DESI-154.5307-00.1368	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 56 (1)		399.233383 Secs (1197.7 Secs)																	
																														[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514																																

Proposal 15867 - Visit 57 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 57, implementation Wed Oct 02 13:01:32 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(57)	DESI-154.6972-01.3590	RA: 10 18 47.3232 (154.6971800d) Dec: -01 21 32.54 (-1.35904d) Equinox: J2000		V=19.64
Exposures	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES				
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
	1	DESI-154.6972-01.3590 (1)	(57) DESI-154.6972-01.3590	WFC3/IR, MULTIACCUM, IR	F140W
					Opt. Params. NSAMP=13; SAMP-SEQ=STEP5 0
			Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]
				Pattern 1, Exps 1-1 in Visit 57 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]
Orbit Structure					
	Orbit 1 Server Version: 20190514 The diagram illustrates the orbit structure for Orbit 1, spanning from 0 to 6000 seconds. Key events and durations are marked: GS Acq: Occurs at approximately 250 seconds. Exp. 1: Three exposure periods are shown, each lasting approximately 100 seconds, occurring at roughly 400, 800, and 1200 seconds. Pointing Maneuver: Two maneuvers are indicated, occurring between the exposure periods. Reconfig: A reconfiguration event occurs at approximately 1700 seconds. Unused Orbital Visibility = 1432: A green bar highlights this period, starting at approximately 1700 seconds and ending at approximately 3132 seconds. Occultation: Begins at approximately 3132 seconds and continues until the end of the orbit at 6000 seconds.				

Proposal 15867 - Visit 58 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 58, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(58)	DESI-155.7366-05.0529		RA: 10 22 56.7816 (155.7365900d) Dec: -05 03 10.55 (-5.05293d) Equinox: J2000								V=19.91				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-155.7366-05.0529 (1)	(58) DESI-155.7366-05.0529	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 58 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 59 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 59, implementation Wed Oct 02 13:01:32 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(59)	DESI-157.6135-06.6858	RA: 10 30 27.2400 (157.6135000d) Dec: -06 41 8.88 (-6.68580d) Equinox: J2000		V=19.58
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
	1	DESI-157.6135-06.6858 (1)	(59) DESI-157.6135-06.6858	WFC3/IR, MULTIACCUM, IR	F140W
					Opt. Params. NSAMP=13; SAMP-SEQ=STEP5 0
					Special Reqs.
					Groups Pattern 1, Exps 1-1 in Visit 59 (1)
					Exp. Time (Total)/[Actual Dur.] 399.233383 Secs (1197.7 Secs)
					[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]
					Orbit [1]
Orbit Structure	Orbit 1 Server Version: 20190514				

Proposal 15867 - Visit 60 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 60, implementation										Wed Oct 02 13:01:32 GMT 2019				
	Diagnostic Status: No Diagnostics														
	Scientific Instruments: WFC3/IR														
	Special Requirements: (none)														
Patterns	#	Primary Pattern					Secondary Pattern					Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)			
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous					
	(60)	DESI-158.2306+75.3149		RA: 10 32 55.3344 (158.2305600d) Dec: +75 18 53.60 (75.31489d) Equinox: J2000				V=20.0		Reference Frame: ICRS					
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES														
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	DESI-158.2306+75.3149	(60) DESI-158.2306 +75.3149	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 60 (1)	399.233383 Secs (1197.7 Secs)				
		9 (1)									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]		
Orbit Structure	Orbit 1													Server Version: 20190514	

Proposal 15867 - Visit 61 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 61, implementation Wed Oct 02 13:01:32 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(61)	DESI-158.7893-02.3037	RA: 10 35 9.4344 (158.7893100d) Dec: -02 18 13.46 (-2.30374d) Equinox: J2000		V=21.46
Exposures	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES				
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
	1	DESI-158.7893-02.3037 (1)	(61) DESI-158.7893-02.3037	WFC3/IR, MULTIACCUM, IR	F140W
					Opt. Params. NSAMP=13; SAMP-SEQ=STEP5 0
					Special Reqs.
					Groups Pattern 1, Exps 1-1 in Visit 61 (1)
					Exp. Time (Total)/[Actual Dur.]
					399.233383 Secs (1197.7 Secs)
					[=>(Pattern 1)]
					[=>(Pattern 2)]
					[=>(Pattern 3)]
					[1]
Orbit Structure	Orbit 1 Server Version: 20190514				

Proposal 15867 - Visit 62 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 62, implementation										Wed Oct 02 13:01:32 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(62)	DESI-160.1717+18.8478		RA: 10 40 41.2080 (160.1717000d) Dec: +18 50 52.08 (18.84780d) Equinox: J2000				V=18.33		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-160.1717+18.8478 (1)	(62) DESI-160.1717 +18.8478	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 62 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 63 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 63, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(63)	DESI-160.2351-01.0663		RA: 10 40 56.4168 (160.2350700d) Dec: -01 03 58.72 (-1.06631d) Equinox: J2000								V=17.06				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-160.2351-01.0663 (1)	(63) DESI-160.2351-01.0663	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 63 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 64 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 64, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(64)	DESI-161.8206+27.9906		RA: 10 47 16.9536 (161.8206400d) Dec: +27 59 26.05 (27.99057d) Equinox: J2000								V=18.55				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-161.8206+27.9906	(64) DESI-161.8206 +27.9906	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 64 (1)		399.233383 Secs (1197.7 Secs)							
		6 (1)															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 6000 seconds. Key phases include: GS Acq (0-50s), Exp. 1 (50-100s), Pointing Maneuver (100-150s), Exp. 1 (150-200s), Pointing Maneuver (200-250s), Exp. 1 (250-300s), Reconfig (300-350s), Unused Orbital Visibility (350-2000s), and Occultation (2000-5700s). The timeline is marked with a scale from 0 to 6000 seconds.																						

Proposal 15867 - Visit 65 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 65, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(65)	DESI-165.4754-06.0423		RA: 11 01 54.1032 (165.4754300d) Dec: -06 02 32.21 (-6.04228d) Equinox: J2000				Redshift: 0.4176				V=19.2				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-165.4754-06.0423 (1)	(65) DESI-165.4754-06.0423	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 65 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 66 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 66, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(66)	DESI-165.6876+12.1864		RA: 11 02 45.0120 (165.6875500d) Dec: +12 11 10.90 (12.18636d) Equinox: J2000								V=22.05				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-165.6876+12.1864 (1)	(66) DESI-165.6876 +12.1864	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 66 (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 67 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 67, implementation										Wed Oct 02 13:01:32 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(67)	DESI-172.6730+11.3081		RA: 11 30 41.5200 (172.6730000d) Dec: +11 18 29.16 (11.30810d) Equinox: J2000								V=21.48				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-172.6730+11.3081	(67) DESI-172.6730 +11.3081	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 67 (1)		399.233383 Secs (1197.7 Secs)							
																[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514 050010001500200025003000350040004500500055006000 sec																						

Proposal 15867 - Visit 68 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 68, implementation										Wed Oct 02 13:01:33 GMT 2019
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(68)	DESI-173.5198+09.5846	RA: 11 34 4.7520 (173.5198000d) Dec: +09 35 4.56 (9.58460d) Equinox: J2000				V=21.84		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-173.5198+09.5846 (1)	(68) DESI-173.5198 +09.5846	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 68 (1)	399.233383 Secs (1197.7 Secs)		
									[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514										

Proposal 15867 - Visit 69 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 69, implementation Wed Oct 02 13:01:33 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(69)	DESI-174.2820+14.7811	RA: 11 37 7.6800 (174.2820000d) Dec: +14 46 51.96 (14.78110d) Equinox: J2000		V=21.2
Fixed Targets	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES Reference Frame: ICRS				
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
Exposures	1	DESI-174.2 820+14.781 1 (1)	(69) DESI-174.2820 +14.7811	WFC3/IR, MULTIACCUM, IR	F140W
				NSAMP=13; SAMP-SEQ=STEP5 0	Pattern 1, Exps 1-1 i n Visit 69 (1)
Exposures					399.233383 Secs (1197.7 Secs)
					[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]
Orbit Structure	Orbit 1 Server Version: 20190514				

Proposal 15867 - Visit 70 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 70, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(70)	DESI-178.0775+08.8170		RA: 11 52 18.6000 (178.0775000d) Dec: +08 49 1.20 (8.81700d) Equinox: J2000								V=19.54				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-178.0775+08.8170	(70) DESI-178.0775 +08.8170	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 70 (1)		399.233383 Secs (1197.7 Secs)							
		0 (1)															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1Exp. 1Exp. 1ReconfigUnused Orbital Visibility = 1435Occultation 050010001500200025003000350040004500500055006000 sec																						

Proposal 15867 - Visit 71 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 71, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(71)	DESI-181.3974+41.1790		RA: 12 05 35.3760 (181.3974000d) Dec: +41 10 44.40 (41.17900d) Equinox: J2000				V=20.76		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-181.3974+41.1790 (1)	(71) DESI-181.3974 +41.1790	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50		Pattern 1, Exps 1-1 in Visit 71 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 72 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 72, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(72)	DESI-186.4028-07.4188		RA: 12 25 36.6720 (186.4028000d) Dec: -07 25 7.68 (-7.41880d) Equinox: J2000				V=20.26		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-186.4 028-07.4188 (1)	(72) DESI-186.4028-07.4188	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 72 (1)	399.233383 Secs (1197.7 Secs)		
											[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the timeline of Orbit 1, spanning from 0 to 6000 seconds. Key phases and events are marked: GS Acq: Initial phase from 0 to approximately 250 seconds. Exp. 1: Three exposure periods, each lasting about 250 seconds, occurring at approximately 250, 750, and 1250 seconds. Pointing Maneuver: Two maneuver periods, each lasting about 100 seconds, occurring at approximately 500 and 1000 seconds. Reconfig: A reconfiguration period lasting about 100 seconds, occurring at approximately 1750 seconds. Unused Orbital Visibility: A period of 1435 seconds, indicated by a green bar, occurring from approximately 1850 to 3285 seconds. Occultation: A period of approximately 2500 seconds, indicated by a grey bar, occurring from approximately 3285 to 5785 seconds. The x-axis is labeled in seconds (sec) with major ticks every 500 seconds.												

Proposal 15867 - Visit 73 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 73, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(73)	DESI-186.8292+17.4324		RA: 12 27 19.0056 (186.8291900d) Dec: +17 25 56.78 (17.43244d) Equinox: J2000								V=20.98				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-186.8292+17.4324	(73) DESI-186.8292 +17.4324	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 73 (1)		399.233383 Secs (1197.7 Secs)							
	4 (1)															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 74 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 74, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(74)	DESI-189.4008+55.5619		RA: 12 37 36.1920 (189.4008000d) Dec: +55 33 42.84 (55.56190d) Equinox: J2000								V=19.33				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-189.4008+55.5619	(74) DESI-189.4008 +55.5619	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 74 (1)		399.233383 Secs (1197.7 Secs)							
		9 (1)															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 75 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 75, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(75)	DESI-189.5370+15.0309		RA: 12 38 8.8848 (189.5370200d) Dec: +15 01 51.24 (15.03090d) Equinox: J2000								V=19.63				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-189.5370+15.0309	(75) DESI-189.5370 +15.0309	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 75 (1)		399.233383 Secs (1197.7 Secs)							
		9 (1)															[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the orbit structure for Orbit 1 over a 6000-second period. Key events include: GS Acq (0-50s), Exp. 1 (50-250s), Pointing Maneuver (250-350s), Exp. 1 (350-550s), Pointing Maneuver (550-650s), Exp. 1 (650-850s), Reconfig (850-950s), Unused Orbital Visibility = 1446 (950-3100s), and Occultation (3100-5700s). The timeline is marked with a scale from 0 to 6000 seconds.																						

Proposal 15867 - Visit 76 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 76, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(76)	DESI-190.1345+45.1508		RA: 12 40 32.2800 (190.1345000d) Dec: +45 09 2.88 (45.15080d) Equinox: J2000				V=18.9		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-190.1 345+45.1508 (1)	(76) DESI-190.1345 +45.1508	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 76 (1)	399.233383 Secs (1197.7 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the timeline of Orbit 1, spanning from 0 to 6000 seconds. Key phases and events are marked: GS Acq (0-50s), Exp. 1 (50-250s), Pointing Maneuver (250-350s), Exp. 1 (350-650s), Pointing Maneuver (650-750s), Exp. 1 (750-1050s), Reconfig (1050-1250s), Unused Orbital Visibility = 1575 (1250-3250s), and Occultation (3250-5750s). The timeline is color-coded: blue checkered for exposures, black for maneuvers, green for unused visibility, and white for occultation.												

Proposal 15867 - Visit 77 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 77, implementation											Wed Oct 02 13:01:33 GMT 2019	
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(77)	DESI-192.9428+01.7155	RA: 12 51 46.2720 (192.9428000d) Dec: +01 42 55.80 (1.71550d) Equinox: J2000						V=21.19		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-192.9428+01.7155 (1)	(77) DESI-192.9428+01.7155	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50			Pattern 1, Exps 1-1 in Visit 77 (1)	399.233383 Secs (1197.7 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1												Server Version: 20190514

Proposal 15867 - Visit 78 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 78, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(78)	DESI-194.5344+03.5358		RA: 12 58 8.2680 (194.5344500d) Dec: +03 32 8.81 (3.53578d) Equinox: J2000				Redshift: 0.4279				V=19.07				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1	DESI-194.5344+03.5358 (1)	(78) DESI-194.5344 +03.5358	WFC3/IR, MULTIACCUM, IR			F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 78 (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1Exp. 1Exp. 1ReconfigUnused Orbital Visibility = 1432Occultation																						

Proposal 15867 - Visit 79 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 79, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(79)	DESI-202.6690+04.6707		RA: 13 30 40.5696 (202.6690400d) Dec: +04 40 14.70 (4.67075d) Equinox: J2000				Redshift: 0.3363				V=18.07				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-202.6690+04.6707 (1)	(79) DESI-202.6690 +04.6707	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 79 (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514 050010001500200025003000350040004500500055006000 sec																						

Proposal 15867 - Visit 80 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 80, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(80)	DESI-202.9388+51.5753		RA: 13 31 45.3120 (202.9388000d) Dec: +51 34 31.08 (51.57530d) Equinox: J2000								V=18.31				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-202.9388+51.5753 (1)	(80) DESI-202.9388 +51.5753	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 80 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 81 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 81, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(81)	DESI-205.1910+38.5483		RA: 13 40 45.8352 (205.1909800d) Dec: +38 32 53.70 (38.54825d) Equinox: J2000								V=21.28				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-205.1 910+38.548 3 (1)	(81) DESI-205.1910 +38.5483	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 i n Visit 81 (1)		399.233383 Secs (1197.7 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 82 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 82, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(82)	DESI-215.2654+00.3719		RA: 14 21 3.6984 (215.2654100d) Dec: +00 22 18.91 (.37192d) Equinox: J2000								V=20.98				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-215.2654+00.3719 (1)	(82) DESI-215.2654 +00.3719	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 82 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 83 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 83, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(83)	DESI-216.9538+08.1792		RA: 14 27 48.9240 (216.9538500d) Dec: +08 10 45.01 (8.17917d) Equinox: J2000				Redshift: 0.5338				V=20.03				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1	DESI-216.9538+08.1792 (1)	(83) DESI-216.9538 +08.1792	WFC3/IR, MULTIACCUM, IR			F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 83 (1)		399.233383 Secs (1197.7 Secs)								
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 84 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 84, implementation										Wed Oct 02 13:01:33 GMT 2019				
	Diagnostic Status: No Diagnostics														
	Scientific Instruments: WFC3/IR														
	Special Requirements: (none)														
Patterns	#	Primary Pattern					Secondary Pattern					Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)			
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous					
	(84)	DESI-217.0936+03.3000		RA: 14 28 22.4640 (217.0936000d) Dec: +03 18 0.00 (3.30000d) Equinox: J2000				V=20.94		Reference Frame: ICRS					
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES														
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	DESI-217.0936+03.3000	(84) DESI-217.0936 +03.3000	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5			Pattern 1, Exps 1-1 in Visit 84 (1)	399.233383 Secs (1197.7 Secs)				
		0 (1)					0				[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]		
Orbit Structure	Orbit 1													Server Version: 20190514	

Proposal 15867 - Visit 85 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 85, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(85)	DESI-220.3861-00.8995		RA: 14 41 32.6664 (220.3861100d) Dec: -00 53 58.31 (-.89953d) Equinox: J2000								V=19.48				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-220.3861-00.8995 (1)	(85) DESI-220.3861-00.8995	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 85 (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 86 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 86, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(86)	DESI-220.4549+14.6891		RA: 14 41 49.1736 (220.4548900d) Dec: +14 41 20.69 (14.68908d) Equinox: J2000								V=21.47				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-220.4549+14.6891 1 (1)	(86) DESI-220.4549 +14.6891	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 86 (1)		399.233383 Secs (1197.7 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514 GS AcqExp. 1Exp. 1Pointing ManeuverExp. 1Pointing ManeuverExp. 1ReconfigUnused Orbital Visibility = 1439Occultation																						

Proposal 15867 - Visit 87 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 87, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true				(1)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(87)	DESI-225.4050+52.1417	RA: 15 01 37.1904 (225.4049600d) Dec: +52 08 29.98 (52.14166d) Equinox: J2000				V=22.5		Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-225.4050+52.1417 (1)	(87) DESI-225.4050 +52.1417	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50		Pattern 1, Exps 1-1 in Visit 87 (1)	399.233383 Secs (1197.7 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1												Server Version: 20190514

Proposal 15867 - Visit 88 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 88, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(88)	DESI-226.2950+17.3451		RA: 15 05 10.7952 (226.2949800d) Dec: +17 20 42.50 (17.34514d) Equinox: J2000				V=19.75		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-226.2 950+17.3451 1 (1)	(88) DESI-226.2950 +17.3451	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 i n Visit 88 (1)	399.233383 Secs (1197.7 Secs)		
											[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 89 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 89, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true				(1)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(89)	DESI-227.3528+39.0279	RA: 15 09 24.6720 (227.3528000d) Dec: +39 01 40.44 (39.02790d) Equinox: J2000				V=20.95		Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-227.3 528+39.027 9 (1)	(89) DESI-227.3528 +39.0279	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 i n Visit 89 (1)	399.233383 Secs (1197.7 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1												Server Version: 20190514

Proposal 15867 - Visit 90 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 90, implementation											Wed Oct 02 13:01:33 GMT 2019	
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(90)	DESI-227.5364+20.6236		RA: 15 10 8.7360 (227.5364000d) Dec: +20 37 24.96 (20.62360d) Equinox: J2000				V=21.29		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-227.5364+20.6236 (1)	(90) DESI-227.5364 +20.6236	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 90 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 91 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 91, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes			Miscellaneous	
	(91)	DESI-231.2858+42.4643	RA: 15 25 8.5968 (231.2858200d) Dec: +42 27 51.59 (42.46433d) Equinox: J2000						V=23.05			Reference Frame: ICRS	
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-231.2858+42.4643 3 (1)	(91) DESI-231.2858 +42.4643	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 91 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 92 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 92, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(92)	DESI-234.4783+14.7232		RA: 15 37 54.7992 (234.4783300d) Dec: +14 43 23.41 (14.72317d) Equinox: J2000								V=21.51				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-234.4783+14.7232	(92) DESI-234.4783 +14.7232	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 92 (1)		399.233383 Secs (1197.7 Secs)							
	2	(1)														[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 93 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 93, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(93)	DESI-234.8707+16.8379		RA: 15 39 28.9680 (234.8707000d) Dec: +16 50 16.44 (16.83790d) Equinox: J2000								V=19.07				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit				
	1	DESI-234.8707+16.8379	(93) DESI-234.8707 +16.8379	WFC3/IR, MULTIACCUM, IR			F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 93 (1)		399.233383 Secs (1197.7 Secs)								
	9 (1)														[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq (0-50s), Exp. 1 (50-100s), Pointing Maneuver (100-150s), Exp. 1 (150-200s), Pointing Maneuver (200-250s), Exp. 1 (250-300s), Reconfig (300-350s), Unused Orbital Visibility = 1446 (350-2000s), and Occultation (2000-3100s). The timeline is marked with a green bar for visibility and a black bar for occultation.																						

Proposal 15867 - Visit 94 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 94, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(94)	DESI-238.5690+04.7276		RA: 15 54 16.5696 (238.5690400d) Dec: +04 43 39.43 (4.72762d) Equinox: J2000								V=21.7				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-238.5690+04.7276 (1)	(94) DESI-238.5690 +04.7276	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 94 (1)		399.233383 Secs (1197.7 Secs)							
															[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 95 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 95, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(95)	DESI-245.7514+21.6226		RA: 16 23 0.3360 (245.7514000d) Dec: +21 37 21.36 (21.62260d) Equinox: J2000								V=20.89				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-245.7514+21.6226 (1)	(95) DESI-245.7514 +21.6226	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 95 (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 96 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 96, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(96)	DESI-246.0062+01.4836		RA: 16 24 1.4952 (246.0062300d) Dec: +01 29 0.89 (1.48358d) Equinox: J2000								V=21.93				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-246.0062+01.4836	(96) DESI-246.0062 +01.4836	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 96 (1)		399.233383 Secs (1197.7 Secs)							
		6 (1)															[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 97 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 97, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern				Secondary Pattern				Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true				(1)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(97)	DESI-252.9173+28.0881	RA: 16 51 40.1472 (252.9172800d) Dec: +28 05 17.16 (28.08810d) Equinox: J2000				V=21.21		Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-252.9173+28.0881 1 (1)	(97) DESI-252.9173 +28.0881	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0		Pattern 1, Exps 1-1 in Visit 97 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1												Server Version: 20190514

Proposal 15867 - Visit 98 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 98, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(98)	DESI-254.4235+34.8162		RA: 16 57 41.6400 (254.4235000d) Dec: +34 48 58.32 (34.81620d) Equinox: J2000				V=21.79		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-254.4 235+34.816 2 (1)	(98) DESI-254.4235 +34.8162	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 98 (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 99 - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 99, implementation Wed Oct 02 13:01:33 GMT 2019				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(99)	DESI-257.4348+31.9046	RA: 17 09 44.3496 (257.4347900d) Dec: +31 54 16.49 (31.90458d) Equinox: J2000		V=21.26
Exposures	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES				
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.
	1	DESI-257.4348+31.9046	(99) DESI-257.4348 +31.9046	WFC3/IR, MULTIACCUM, IR	F140W
	6	(1)			NSAMP=13; SAMP-SEQ=STEP5 0
					Special Reqs.
					Groups
					Exp. Time (Total)/[Actual Dur.]
					Orbit
					399.233383 Secs (1197.7 Secs)
					[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]
Orbit Structure	Orbit 1 Server Version: 20190514				

Proposal 15867 - Visit 0A - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0A, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(100)	DESI-259.8396+24.6880		RA: 17 19 21.5016 (259.8395900d) Dec: +24 41 16.69 (24.68797d) Equinox: J2000				V=20.53		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-259.8396+24.6880 (1)	(100) DESI-259.8396+24.6880	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50			Pattern 1, Exps 1-1 in Visit 0A (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 0B - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0B, implementation										Wed Oct 02 13:01:33 GMT 2019				
	Diagnostic Status: No Diagnostics														
	Scientific Instruments: WFC3/IR														
	Special Requirements: (none)														
Patterns	#	Primary Pattern					Secondary Pattern					Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)			
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous					
	(101)	DESI-278.8338+46.1076		RA: 18 35 20.1120 (278.8338000d) Dec: +46 06 27.36 (46.10760d) Equinox: J2000				V=18.68		Reference Frame: ICRS					
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES														
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	DESI-278.8338+46.1076 (1)	(101) DESI-278.8338+46.1076	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50			Pattern 1, Exps 1-1 in Visit 0B (1)	399.233383 Secs (1197.7 Secs)				
											[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		
Orbit Structure	Orbit 1													Server Version: 20190514	

Proposal 15867 - Visit 0C - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0C, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(102)	DESI-293.9927+58.1525		RA: 19 35 58.2456 (293.9926900d) Dec: +58 09 8.93 (58.15248d) Equinox: J2000								V=19.87				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-293.9927+58.1525 (1)	(102) DESI-293.9927+58.1525	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 0C (1)		399.233383 Secs (1197.7 Secs)							
																	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]		
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 6000 seconds. Key phases include: GS Acq (0-50s), Exp. 1 (50-250s), Pointing Maneuver (250-350s), Exp. 1 (350-550s), Pointing Maneuver (550-650s), Exp. 1 (650-850s), Reconfig (850-950s), Unused Orbital Visibility (950-3350s), and Occultation (3350-5700s). The timeline is marked with a scale from 0 to 6000 seconds.																						

Proposal 15867 - Visit 0D - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0D, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(103)	DESI-310.8019-06.1649		RA: 20 43 12.4560 (310.8019000d) Dec: -06 09 53.64 (-6.16490d) Equinox: J2000								V=21.46				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-310.8019-06.1649 (1)	(103) DESI-310.8019-06.1649	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 0D (1)		399.233383 Secs (1197.7 Secs)							
															[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 0E - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0E, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(104)	DESI-327.8408+13.7884		RA: 21 51 21.7824 (327.8407600d) Dec: +13 47 18.31 (13.78842d) Equinox: J2000								V=18.7				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-327.8408+13.7884 (1)	(104) DESI-327.8408+13.7884	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 0E (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 0F - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0F, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(105)	DESI-329.6820+02.9584		RA: 21 58 43.6776 (329.6819900d) Dec: +02 57 30.28 (2.95841d) Equinox: J2000				V=18.4		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	DESI-329.6820+02.9584 (1)	(105) DESI-329.6820+02.9584	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 0F (1)	399.233383 Secs (1197.7 Secs)		
											[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
Orbit Structure	Orbit 1 Server Version: 20190514 The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 6000 seconds. Key phases include: GS Acq (0-50s), Exp. 1 (50-100s), Pointing Maneuver (100-150s), Exp. 1 (150-200s), Pointing Maneuver (200-250s), Exp. 1 (250-300s), Reconfig (300-350s), Unused Orbital Visibility (350-2000s), and Occultation (2000-6000s). The timeline is marked with a scale from 0 to 6000 seconds.												

Proposal 15867 - Visit 0G - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0G, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(106)	DESI-346.3403-00.0366		RA: 23 05 21.6720 (346.3403000d) Dec: -00 02 11.72 (-.03659d) Equinox: J2000								V=20.6				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-346.3 403-00.0366 (1)	(106) DESI-346.340 3-00.0366	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 0G (1)		399.233383 Secs (1197.7 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 0H - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0H, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(107)	DESI-349.5492-11.1012		RA: 23 18 11.7960 (349.5491500d) Dec: -11 06 4.43 (-11.10123d) Equinox: J2000								V=21.12				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-349.5492-11.1012 (1)	(107) DESI-349.5492-11.1012	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 0H (1)		399.233383 Secs (1197.7 Secs)							
															[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				[1]				
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 0I - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0I, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true																				(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(108)	DESI-351.4891-00.8741		RA: 23 25 57.3840 (351.4891000d) Dec: -00 52 26.90 (-.87414d) Equinox: J2000								V=22.3				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-351.4891-00.8741 (1)	(108) DESI-351.4891-00.8741	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP50				Pattern 1, Exps 1-1 in Visit 0I (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514																						

Proposal 15867 - Visit 0J - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0J, implementation										Wed Oct 02 13:01:33 GMT 2019												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=										Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(109)	DESI-352.8770+00.6260		RA: 23 31 30.4728 (352.8769700d) Dec: +00 37 33.49 (.62597d) Equinox: J2000								V=20.7				Reference Frame: ICRS							
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES																						
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]				Orbit			
	1	DESI-352.8770+00.6260 (1)	(109) DESI-352.8770+00.6260	WFC3/IR, MULTIACCUM, IR				F140W		NSAMP=13; SAMP-SEQ=STEP5 0				Pattern 1, Exps 1-1 in Visit 0J (1)		399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]				[1]			
Orbit Structure	Orbit 1 Server Version: 20190514 050010001500200025003000350040004500500055006000 sec																						

Proposal 15867 - Visit 0K - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0K, implementation										Wed Oct 02 13:01:33 GMT 2019		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(110)	DESI-353.4836-14.3846		RA: 23 33 56.0520 (353.4835500d) Dec: -14 23 4.67 (-14.38463d) Equinox: J2000				V=19.7		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	DESI-353.4 836-14.3846 (1)	(110) DESI-353.483 6-14.3846	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP5 0			Pattern 1, Exps 1-1 in Visit 0K (1)	399.233383 Secs (1197.7 Secs)		
										[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20190514												

Proposal 15867 - Visit 0L - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0L, implementation										Wed Oct 02 13:01:33 GMT 2019			
	Diagnostic Status: No Diagnostics													
	Scientific Instruments: WFC3/IR													
	Special Requirements: (none)													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(111)	DESI-359.1477-13.2930		RA: 23 56 35.4456 (359.1476900d) Dec: -13 17 34.94 (-13.29304d) Equinox: J2000				V=20.2		Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES													
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	DESI-359.1477-13.2930 (1)	(111) DESI-359.1477-13.2930	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50		Pattern 1, Exps 1-1 in Visit 0L (1)	399.233383 Secs (1197.7 Secs)				
										[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]		
Orbit Structure	Orbit 1												Server Version: 20190514	

Proposal 15867 - Visit 0M - Confirming Strong Galaxy Gravitational Lenses in the DESI Legacy Imaging Surveys

Visit	Proposal 15867, Visit 0M, implementation										Wed Oct 02 13:01:34 GMT 2019				
	Diagnostic Status: No Diagnostics														
	Scientific Instruments: WFC3/IR														
	Special Requirements: (none)														
Patterns	#	Primary Pattern					Secondary Pattern					Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BLOB Purpose=DITHER Number Of Points=3 Point Spacing=5.183 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=41.859 Angle Between Sides= Center Pattern=true					(1)			
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous					
	(112)	DESI-359.8897+02.1399		RA: 23 59 33.5376 (359.8897400d) Dec: +02 08 23.75 (2.13993d) Equinox: J2000		Redshift: 0.4295		V=18.03		Reference Frame: ICRS					
	Comments: Category=GALAXY Description=[ELLIPTICAL, GRAVITATIONAL LENS] Extended=YES														
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	DESI-359.8897+02.1399 (1)	(112) DESI-359.8897+02.1399	WFC3/IR, MULTIACCUM, IR		F140W	NSAMP=13; SAMP-SEQ=STEP50			Pattern 1, Exps 1-1 in Visit 0M (1)	399.233383 Secs (1197.7 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]		
Orbit Structure	Orbit 1													Server Version: 20190514	