



12585 - Unveiling the Physical Structures of the Most Luminous IR Galaxies

Discovered by WISE at $z > 1.6$

Cycle: 19, 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) WISEPC224607.54-052635.1	WFC3/IR	1	12-Jul-2011 22:27:12.0	yes
02	(2) WISEPC105202.10+455914.1	WFC3/IR	1	12-Jul-2011 22:27:16.0	yes
03	(3) WISEPC085950.96-003754.2	WFC3/IR	1	12-Jul-2011 22:27:19.0	yes

Proposal 12585 (STScI Edit Number: 1, Created: Tuesday, July 12, 2011 9:29:28 PM EST) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
04	(4) WISEPC051442.62-121724.4	WFC3/IR	1	12-Jul-2011 22:27:22.0	yes
05	(5) WISEPC122004.77-191901.5	WFC3/IR	1	12-Jul-2011 22:27:24.0	yes
06	(6) WISEPC085817.00+432643.1	WFC3/IR	1	12-Jul-2011 22:27:27.0	yes
07	(7) WISEPC041010.60-091304.3	WFC3/IR	1	12-Jul-2011 22:27:30.0	yes
08	(8) WISEPC085929.93+482302.7	WFC3/IR	1	12-Jul-2011 22:27:32.0	yes
09	(9) WISEPC011601.43-050504.5	WFC3/IR	1	12-Jul-2011 22:27:35.0	yes
10	(10) WISEPC022052.10+013711.6	WFC3/IR	1	12-Jul-2011 22:27:37.0	yes
11	(11) WISEPC140925.55+133502.7	WFC3/IR	1	12-Jul-2011 22:27:40.0	yes
12	(12) WISEPC145705.91+293231.7	WFC3/IR	1	12-Jul-2011 22:27:42.0	yes
13	(13) WISEPC233759.50+792654.6	WFC3/IR	1	12-Jul-2011 22:27:45.0	yes
14	(14) WISEPC022153.42+134541.7	WFC3/IR	1	12-Jul-2011 22:27:47.0	yes
15	(15) WISEPC183013.51+650420.4	WFC3/IR	1	12-Jul-2011 22:27:50.0	yes
16	(16) WISEPC085124.79+314856.3	WFC3/IR	1	12-Jul-2011 22:27:52.0	yes
17	(17) WISEPC160357.39+274552.4	WFC3/IR	1	12-Jul-2011 22:27:55.0	yes
18	(18) WISEPC171946.63+044635.4	WFC3/IR	1	12-Jul-2011 22:27:57.0	yes
19	(19) WISEPC054230.90-270539.8	WFC3/IR	1	12-Jul-2011 22:28:00.0	yes
20	(20) WISEPC142228.88+561355.6	WFC3/IR	1	12-Jul-2011 22:28:02.0	yes
21	(21) WISEPC205425.69+020711.0	WFC3/IR	1	12-Jul-2011 22:28:05.0	yes
22	(22) WISEPC085628.08+000548.1	WFC3/IR	1	12-Jul-2011 22:28:07.0	yes
23	(23) WISEPC092625.42+423252.1	WFC3/IR	1	12-Jul-2011 22:28:11.0	yes
24	(24) WISEPC223810.20+265319.5	WFC3/IR	1	12-Jul-2011 22:28:15.0	yes
25	(25) WISEPC102703.68+454429.8	WFC3/IR	1	12-Jul-2011 22:28:17.0	yes
26	(26) WISEPC221130.30+332012.9	WFC3/IR	1	12-Jul-2011 22:28:20.0	yes
27	(27) WISEPC022646.88+051423.0	WFC3/IR	1	12-Jul-2011 22:28:22.0	yes
28	(28) WISEPC183533.73+435548.7	WFC3/IR	1	12-Jul-2011 22:28:25.0	yes

Proposal 12585 (STScI Edit Number: 1, Created: Tuesday, July 12, 2011 9:29:28 PM EST) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
29	(29) WISEPC010855.55-175739.1	WFC3/IR	1	12-Jul-2011 22:28:27.0	yes
30	(30) WISEPC075725.08+511319.5	WFC3/IR	1	12-Jul-2011 22:28:29.0	yes
31	(31) WISEPC094854.14+554420.6	WFC3/IR	1	12-Jul-2011 22:28:32.0	yes
32	(32) WISEPC014747.55-092350.7	WFC3/IR	1	12-Jul-2011 22:28:34.0	yes
33	(33) WISEPC042248.82-102831.9	WFC3/IR	1	12-Jul-2011 22:28:37.0	yes
34	(34) WISEPC024858.81+270529.8	WFC3/IR	1	12-Jul-2011 22:28:39.0	yes
35	(35) WISEPC141909.78+512815.0	WFC3/IR	1	12-Jul-2011 22:28:42.0	yes
36	(36) WISEPC013400.60-260725.5	WFC3/IR	1	12-Jul-2011 22:28:44.0	yes
37	(37) WISEPC033851.33+194128.4	WFC3/IR	1	12-Jul-2011 22:28:46.0	yes
38	(38) WISEPC235710.82+032803.4	WFC3/IR	1	12-Jul-2011 22:28:49.0	yes
39	(39) WISEPC100636.34+510500.6	WFC3/IR	1	12-Jul-2011 22:28:51.0	yes
40	(40) WISEPC060508.95-232434.5	WFC3/IR	1	12-Jul-2011 22:28:54.0	yes
41	(41) WISEPC182242.67+634853.4	WFC3/IR	1	12-Jul-2011 22:28:56.0	yes
42	(42) WISEPC181941.51+453209.9	WFC3/IR	1	12-Jul-2011 22:28:58.0	yes
43	(43) WISEPC220743.83+193939.5	WFC3/IR	1	12-Jul-2011 22:29:01.0	yes
44	(44) WISEPC024344.17+415809.5	WFC3/IR	1	12-Jul-2011 22:29:03.0	yes
45	(45) WISEPC091247.26+774158.2	WFC3/IR	1	12-Jul-2011 22:29:06.0	yes
46	(46) WISEPC120629.69+623224.3	WFC3/IR	1	12-Jul-2011 22:29:08.0	yes
47	(47) WISEPC131628.54+351235.6	WFC3/IR	1	12-Jul-2011 22:29:10.0	yes
48	(48) WISEPC045522.58-030200.2	WFC3/IR	1	12-Jul-2011 22:29:12.0	yes
49	(49) WISEPC094608.30+500818.9	WFC3/IR	1	12-Jul-2011 22:29:15.0	yes
50	(50) WISEPC042138.55+203644.6	WFC3/IR	1	12-Jul-2011 22:29:17.0	yes
51	(51) WISEPC114612.88+412914.4	WFC3/IR	1	12-Jul-2011 22:29:19.0	yes
52	(52) WISEPC021134.63-224223.2	WFC3/IR	1	12-Jul-2011 22:29:22.0	yes
53	(53) WISEPC221619.09+072354.5	WFC3/IR	1	12-Jul-2011 22:29:24.0	yes

53 Total Orbits Used

ABSTRACT

WISE recently completed the first all-sky infrared survey since IRAS, pushing hundreds of times deeper. The search for the most extreme and rare ULIRGs has been successful, providing a unique opportunity to study the astrophysical origin and structural environments at the extreme end of the luminosity function. Extreme ULIRGs, such as the WISE color-selected sample, are powered by rapid star formation and/or AGN heavily obscured by dust, and are likely in a late stage merger process. WISE ULIRG color-selections have resulted in a sample of 53 confirmed $z > 1.6$ galaxies that do not fit standard dusty luminous-IR SEDs. Their structural properties are also unknown, due to a lack of high-resolution near-IR imaging. We propose a SNAP proposal to obtain WFC3/F160W images of 53 $z > 1.6$ WISE color-selected ULIRGs for the primary purpose of calculating the quantitative morphologies, probing the restframe UV-optical stellar populations. WFC3/F160w imaging provides the resolution needed to resolve clumpy structure or multiple nuclei within ~ 1 kpc (at $z \sim 2$), and the sensitivity to detect faint surface brightness features which remain a key factor in determining accurate light profiles and merger scenarios that produce extended physical structures. The 53 WISE-selected ULIRGs are distributed throughout the sky, providing a convenient Snapshot target list. A significant result from WFC3/F160W imaging is the quantitative measurements of the relative fraction of AGN vs starburst powered ULIRGs, lending insight into the co-evolution of black holes and galaxies in the Universe and constraining the dynamics and structures of extreme phases in galaxy evolution.

OBSERVING DESCRIPTION

Broadband imaging with the WFC3 IR camera using the F160W filter will be obtained for WISE selected ULIRGs at $z > 1.6$. Fifty-three objects have been selected for SNAP exposures. The primary purpose of these observations is to obtain morphologies for a unique population of AGN-starburst powered ULIRGs.

Proposal 12585 - Visit 01 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 01, implementation										Wed Jul 13 02:29:28 GMT 2011												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(1)	WISEPC224607.54-052635.1		RA: 22 46 7.5400 (341.5314167d) Dec: -05 26 35.10 (-5.44308d) Equinox: J2000				Redshift: 4.59				V=25				Reference Frame: ICRS							
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]		Orbit					
	1	(WFC3IR.i m.184186)	(1) WISEPC224607.54-052635.1	WFC3/IR, MULTIACCUM, IR				F160W		SAMP-SEQ=SPARS 50; NSAMP=10				Pattern 1, Exps 1-1 in Visit 01 (1)		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]					
Orbit Structure	Orbit 1 Server Version: 20110509 The diagram illustrates the sequence of events for Orbit 1. It starts with a Ground Station Acquisition (GS Acq) phase, followed by a series of exposures (Exp. 1) separated by pointing maneuvers. A reconfiguration phase occurs after the fourth exposure, leading to a period of unused visibility. The orbit concludes with an occultation phase.																						

Proposal 12585 - Visit 02 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 02, implementation										Wed Jul 13 02:29:29 GMT 2011	
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	WISEPC105202.10+455914.1	RA: 10 52 2.1000 (163.0087500d) Dec: +45 59 14.10 (45.98725d) Equinox: J2000		Redshift: 2.5		V=25		Reference Frame: ICRS			
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
	1	(WFC3IR.im.184186)	(2) WISEPC105202.10+455914.1	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=10	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in Visit 02 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]		
Orbit Structure	Orbit 1											Server Version: 20110509

Proposal 12585 - Visit 03 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:29 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(3)	WISEPC085950.96-003754.2	RA: 08 59 50.9620 (134.9623417d) Dec: -00 37 54.22 (-.63173d) Equinox: J2000		Redshift: 2.5		V=25	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) WISEPC085950.96-003754.2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 03 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509 The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key events include: GS Acq: Ground Station Acquisition at approximately 200 seconds. Exp. 1: Four exposure periods, each lasting 100 seconds, occurring at approximately 400, 800, 1300, and 1800 seconds. These are represented by blue and white checkered blocks. Pointing Maneuver: Three maneuvers, each lasting 100 seconds, occurring at approximately 700, 1200, and 1700 seconds. These are represented by black blocks. Reconfig: A reconfiguration event lasting 100 seconds at approximately 2300 seconds. Unused Visibility = 861: A period of 861 seconds of unused visibility, represented by a green block from approximately 2400 to 3261 seconds. Occultation: A period of occultation starting at approximately 3261 seconds and lasting until the end of the orbit at 5500 seconds, represented by a white block.									

Proposal 12585 - Visit 04 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 04, implementation Wed Jul 13 02:29:30 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	WISEPC051442.62-121724.4	RA: 05 14 42.6270 (78.6776125d) Dec: -12 17 24.46 (-12.29013d) Equinox: J2000	Redshift: 2.5	V=25
Exposures					
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(4) WISEPC051442.62-121724.4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50
Orbit Structure					
	Orbit 1 Server Version: 20110509				

Proposal 12585 - Visit 05 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 05, implementation										Wed Jul 13 02:29:30 GMT 2011																													
	Diagnostic Status: No Diagnostics																																							
	Scientific Instruments: WFC3/IR																																							
	Special Requirements: (none)																																							
Patterns	#	Primary Pattern										Secondary Pattern										Exposures																		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)																		
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous																								
	(5)	WISEPC122004.77-191901.5		RA: 12 20 4.7750 (185.0198958d) Dec: -19 19 1.51 (-19.31709d) Equinox: J2000				Redshift: 2.5				V=25				Reference Frame: ICRS																								
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]				Orbit																						
	1		(5) WISEPC122004.77-191901.5	WFC3/IR, MULTIACCUM, IR		F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 05 (1)		[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)] [>=>(Pattern 4)]				[1]																						
Orbit Structure	Orbit 1																				Server Version: 20110509																			
	The diagram illustrates the timeline of Orbit 1, spanning from 0 to 5500 seconds. Key events include: GS Acq: Ground Station Acquisition at approximately 250 seconds. Exp. 1: Four exposure periods, each lasting 10 seconds, occurring at approximately 400, 800, 1300, and 1800 seconds. Pointing Maneuver: Three maneuvers, each lasting 10 seconds, occurring at approximately 600, 1100, and 1600 seconds. Reconfig: A reconfiguration period lasting 10 seconds at approximately 2400 seconds. Occultation: A period of occultation lasting 10 seconds at approximately 3200 seconds. Unused Visibility = 876: A period of unused visibility lasting 876 seconds, starting at approximately 2500 seconds.																																							

Proposal 12585 - Visit 06 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 06, implementation Wed Jul 13 02:29:30 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(6)	WISEPC085817.00+432643.1	RA: 08 58 17.0060 (134.5708583d) Dec: +43 26 43.10 (43.44531d) Equinox: J2000	Redshift: 2.5	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(6) WISEPC085817.00+432643.1	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 06 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				
	The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key events are marked with arrows and labels: 'GS Acq' at ~100s, 'Exp. 1' at ~400s, ~800s, ~1300s, and ~1800s, 'Pointing Maneuver' at ~1000s, ~1500s, and ~2000s, 'Reconfig' at ~2400s, and 'Occultation' at ~3300s. A blue checkered bar represents the primary exposure period from ~400s to ~2400s. A green bar indicates a period from ~2400s to ~3300s, labeled 'Unused Visibility = 968'. Black bars below the timeline represent periods of non-visibility or occultation at approximately 1300-1500s and 2000-2400s.				

Proposal 12585 - Visit 07 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 07, implementation										Wed Jul 13 02:29:31 GMT 2011																													
	Diagnostic Status: No Diagnostics																																							
	Scientific Instruments: WFC3/IR																																							
	Special Requirements: (none)																																							
Patterns	#	Primary Pattern										Secondary Pattern										Exposures																		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)																		
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous																								
	(7)	WISEPC041010.60-091304.3		RA: 04 10 10.6000 (62.5441667d) Dec: -09 13 4.30 (-9.21786d) Equinox: J2000				Redshift: 3.60				V=25				Reference Frame: ICRS																								
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]				Orbit																						
	1		(7) WISEPC041010.60-091304.3	WFC3/IR, MULTIACCUM, IR		F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 07 (1)		[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)] [>=>(Pattern 4)]				[1]																						
Orbit Structure	Orbit 1																				Server Version: 20110509																			

Proposal 12585 - Visit 08 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 08, implementation Wed Jul 13 02:29:31 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(8)	WISEPC085929.93+4823 02.7	RA: 08 59 29.9300 (134.8747083d) Dec: +48 23 2.70 (48.38408d) Equinox: J2000	Redshift: 3.25	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(8) WISEPC085929.93+482302.7	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 08 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				

Proposal 12585 - Visit 09 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 09, implementation										Wed Jul 13 02:29:31 GMT 2011												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(9)	WISEPC011601.43-050504.5		RA: 01 16 1.4300 (19.0059583d) Dec: -05 05 4.50 (-5.08458d) Equinox: J2000				Redshift: 3.173				V=25				Reference Frame: ICRS							
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]				Orbit					
	1		(9) WISEPC011601.43-050504.5	WFC3/IR, MULTIACCUM, IR		F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 09 (1)		[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)] [>=>(Pattern 4)]				[1]					
Orbit Structure	Orbit 1 Server Version: 20110509																						

Proposal 12585 - Visit 10 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 10, implementation Wed Jul 13 02:29:31 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(10)	WISEPC022052.10+013711.6	RA: 02 20 52.1000 (35.2170833d) Dec: +01 37 11.60 (1.61989d) Equinox: J2000	Redshift: 3.122	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(10) WISEPC022052.10+013711.6	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 10 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				
	The diagram illustrates the sequence of events for Orbit 1. It begins with a GS Acq phase, followed by a series of exposures (Exp. 1) separated by pointing maneuvers. A reconfiguration period is shown, followed by a period of unused visibility and an occultation phase.				

Proposal 12585 - Visit 11 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 11, implementation Wed Jul 13 02:29:32 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	WISEPC140925.55+133502.7	RA: 14 09 25.5500 (212.3564583d) Dec: +13 35 2.70 (13.58408d) Equinox: J2000	Redshift: 3.048	V=25
Exposures					
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(11) WISEPC140925.55+133502.7	WFC3/IR, MULTIACCUM, IR	F160W
					Opt. Params.
					NSAMP=10; SAMP-SEQ=SPAR S50
					Special Reqs.
					Groups
					Pattern 1, Exps 1-1 in Visit 11 (1)
					Exp. Time/[Actual Dur.]
					[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20110509				

Proposal 12585 - Visit 12 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 12, implementation Wed Jul 13 02:29:32 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(12)	WISEPC145705.91+293231.7	RA: 14 57 5.9100 (224.2746250d) Dec: +29 32 31.70 (29.54214d) Equinox: J2000	Redshift: 2.908	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(12) WISEPC145705.91+293231.7	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 12 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				
	The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key events include: GS Acq: Ground Station Acquisition at approximately 100 seconds. Exp. 1: Four exposure periods, each lasting 100 seconds, occurring at approximately 400, 800, 1400, and 1900 seconds. These are represented by blue and white checkered blocks. Pointing Maneuver: Three maneuvers indicated by vertical arrows at approximately 800, 1400, and 1900 seconds. Reconfig: A reconfiguration event at approximately 2400 seconds, marked by a vertical arrow. Unused Visibility = 884: A period of 884 seconds of unused visibility, represented by a solid green block from approximately 2400 to 3284 seconds. Occultation: A period of occultation starting at approximately 3284 seconds, represented by a solid white block. The timeline is marked with a scale from 0 to 5500 seconds in increments of 500.				

Proposal 12585 - Visit 13 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 13, implementation										Wed Jul 13 02:29:32 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365					Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(13)	WISEPC233759.50+792654.6	RA: 23 37 59.5000 (354.4979167d) Dec: +79 26 54.60 (79.44850d) Equinox: J2000		Redshift: 2.74		V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(13) WISEPC233759.50+792654.6	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 13 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20110509

Proposal 12585 - Visit 14 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 14, implementation										Wed Jul 13 02:29:32 GMT 2011			
	Diagnostic Status: No Diagnostics													
	Scientific Instruments: WFC3/IR													
	Special Requirements: (none)													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365					Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(1)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(14)	WISEPC022153.42+134541.7		RA: 02 21 53.4200 (35.4725833d) Dec: +13 45 41.70 (13.76158d) Equinox: J2000		Redshift: 2.68		V=25		Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit		
	1		(14) WISEPC022153.42+134541.7	WFC3/IR, MULTIACCUM, IR		F160W	NSAMP=10; SAMP-SEQ=SPAR S50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in Visit 14 (1)	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]		[1]		
Orbit Structure	Orbit 1												Server Version: 20110509	

Proposal 12585 - Visit 15 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 15, implementation										Wed Jul 13 02:29:32 GMT 2011																													
	Diagnostic Status: No Diagnostics																																							
	Scientific Instruments: WFC3/IR																																							
	Special Requirements: (none)																																							
Patterns	#	Primary Pattern										Secondary Pattern										Exposures																		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)																		
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous																								
	(15)	WISEPC183013.51+650420.4		RA: 18 30 13.5100 (277.5562917d) Dec: +65 04 20.40 (65.07233d) Equinox: J2000				Redshift: 2.653				V=25				Reference Frame: ICRS																								
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]				Orbit																						
	1		(15) WISEPC183013.51+650420.4	WFC3/IR, MULTIACCUM, IR		F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 15 (1)		[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)] [>=>(Pattern 4)]				[1]																						
Orbit Structure	Orbit 1																				Server Version: 20110509																			
	The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key phases include: GS Acq: Ground Station Acquisition at the start. Exp. 1: Four exposure periods, each lasting 400 seconds, separated by 100-second gaps. These are represented by blue checkered blocks. Pointing Maneuver: Three maneuvers, each lasting 50 seconds, represented by black blocks. Reconfig: A reconfiguration period lasting 100 seconds, represented by a green block. Unused Visibility = 1226: A period of 1226 seconds of unused visibility, represented by a green block. Occultation: A period of 2000 seconds where the target is occulted, represented by a white block. The timeline is marked with a scale from 0 to 5500 seconds in increments of 500.																																							

Proposal 12585 - Visit 16 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 16, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:33 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(16)	WISEPC085124.79+314856.3	RA: 08 51 24.7900 (132.8532917d) Dec: +31 48 56.30 (31.81564d) Equinox: J2000		Redshift: 2.64		V=25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(16) WISEPC085124.79+314856.3	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 16 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509									
	The diagram illustrates the timeline of Orbit 1, spanning from 0 to 5500 seconds. Key events are marked with arrows and labels: GS Acq: Ground Station Acquisition at approximately 100 seconds. Exp. 1: Four exposure periods, each lasting about 100 seconds, occurring at approximately 400, 800, 1300, and 1800 seconds. These are represented by blue and white checkered blocks. Pointing Maneuver: Three maneuvers indicated by vertical arrows at approximately 800, 1300, and 1800 seconds. Reconfig: A reconfiguration event at approximately 2400 seconds, marked by a vertical arrow. Unused Visibility = 902: A period of unused visibility from approximately 2400 to 3300 seconds, represented by a solid green block. Occultation: An occultation event at approximately 3300 seconds, marked by a vertical arrow. The timeline is represented by a horizontal axis with tick marks every 500 seconds. Various colored blocks (checkered, solid green, solid black) represent different mission phases or states.									

Proposal 12585 - Visit 17 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 17, implementation Wed Jul 13 02:29:33 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(17)	WISEPC160357.39+274552.4	RA: 16 03 57.3900 (240.9891250d) Dec: +27 45 52.40 (27.76456d) Equinox: J2000	Redshift: 2.633	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(17) WISEPC160357.39+274552.4	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 17 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				
	The diagram illustrates the timeline of Orbit 1, spanning from 0 to 5500 seconds. Key events are marked with arrows and labels: 'GS Acq' at approximately 100s, 'Exp. 1' at approximately 400s, 'Pointing Maneuver' at approximately 800s, 'Exp. 1' at approximately 1200s, 'Pointing Maneuver' at approximately 1500s, 'Exp. 1' at approximately 1800s, 'Pointing Maneuver' at approximately 2100s, 'Exp. 1' at approximately 2400s, 'Reconfig' at approximately 2500s, 'Unused Visibility = 884' at approximately 2600s, and 'Occultation' at approximately 3200s. The timeline is represented by a horizontal bar with a blue and white checkered pattern for the first 2400 seconds, a solid green bar for the next 800 seconds, and a solid black bar for the final 200 seconds. A scale bar at the bottom indicates time in seconds from 0 to 5500.				

Proposal 12585 - Visit 18 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Wed Jul 13 02:29:33 GMT 2011

Visit

Proposal 12585, Visit 18, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: WFC3/IR
Special Requirements: (none)

Patterns

#	Primary Pattern	Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)	WISEPC171946.63+044635.4	RA: 17 19 46.6300 (259.9442917d) Dec: +04 46 35.40 (4.77650d) Equinox: J2000	Redshift: 2.537	V=25	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Req.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(18) WISEPC171946.63+044635.4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 18 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

Orbit Structure

Orbit 1

Server Version: 20110509

The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key events include:

- GS Acq**: Ground Station Acquisition at approximately 250 seconds.
- Exp. 1**: Four consecutive exposure periods, each lasting 100 seconds, occurring between 400 and 2400 seconds.
- Pointing Maneuver**: Three maneuvers are indicated by vertical arrows at approximately 850, 1350, and 1850 seconds.
- Reconfig**: A reconfiguration event at approximately 2400 seconds.
- Unused Visibility = 861**: A period of 861 seconds of unused visibility following the reconfiguration.
- Occultation**: An occultation event at approximately 3250 seconds.

The timeline is represented by a horizontal bar with different colors and patterns: blue checkered for exposure periods, black for pointing maneuvers, green for the reconfiguration period, and white for the remaining time. A scale bar at the bottom marks time in seconds from 0 to 5500.

Proposal 12585 - Visit 19 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 19, implementation Wed Jul 13 02:29:33 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(19)	WISEPC054230.90-270539.8	RA: 05 42 30.9000 (85.6287500d) Dec: -27 05 39.80 (-27.09439d) Equinox: J2000	Redshift: 2.53	V=25
Exposures					
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(19) WISEPC054230.90-270539.8	WFC3/IR, MULTIACCUM, IR	F160W
					Opt. Params.
					NSAMP=10; SAMP-SEQ=SPAR S50
					Special Reqs.
					Groups
					Pattern 1, Exps 1-1 in Visit 19 (1)
					Exp. Time/[Actual Dur.]
					[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]
					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20110509				

Proposal 12585 - Visit 20 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 20, implementation Wed Jul 13 02:29:33 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(20)	WISEPC142228.88+561355.6	RA: 14 22 28.8800 (215.6203333d) Dec: +56 13 55.60 (56.23211d) Equinox: J2000	Redshift: 2.524	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(20) WISEPC142228.88+561355.6	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 20 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				
	The diagram illustrates the sequence of events for Orbit 1. It starts with a Ground Station Acquisition (GS Acq) from 0 to 50 seconds. This is followed by an exposure (Exp. 1) from 50 to 800 seconds, marked with a blue checkered pattern. A pointing maneuver occurs from 800 to 900 seconds. Another exposure (Exp. 1) follows from 900 to 1300 seconds, also with a blue checkered pattern. A second pointing maneuver occurs from 1300 to 1400 seconds. A third exposure (Exp. 1) follows from 1400 to 1800 seconds, with a blue checkered pattern. A fourth pointing maneuver occurs from 1800 to 1900 seconds. A fourth exposure (Exp. 1) follows from 1900 to 2300 seconds, with a blue checkered pattern. A reconfiguration (Reconfig) occurs from 2300 to 2400 seconds. A period of unused visibility lasting 1138 seconds follows from 2400 to 3500 seconds, highlighted in green. Finally, the orbit ends with an occultation from 3500 to 5500 seconds.				

Proposal 12585 - Visit 21 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 21, implementation										Wed Jul 13 02:29:34 GMT 2011
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(21)	WISEPC205425.69+020711.0	RA: 20 54 25.6900 (313.6070417d) Dec: +02 07 11.00 (2.11972d) Equinox: J2000		Redshift: 2.52		V=25		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(21) WISEPC205425.69+020711.0	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 21 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
Orbit Structure	Orbit 1										Server Version: 20110509

Proposal 12585 - Visit 22 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 22, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:34 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(22)	WISEPC085628.08+000548.1	RA: 08 56 28.0800 (134.1170000d) Dec: +00 05 48.10 (.09669d) Equinox: J2000		Redshift: 2.52		V=25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) WISEPC085628.08+000548.1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 22 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509									

Proposal 12585 - Visit 23 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 23, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:34 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(23)	WISEPC092625.42+423252.1	RA: 09 26 25.4200 (141.6059167d) Dec: +42 32 52.10 (42.54781d) Equinox: J2000		Redshift: 2.498		V=25	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(23) WISEPC092625.42+423252.1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 23 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20110509 The diagram illustrates the timeline of Orbit 1, showing the sequence of events and their durations. The timeline is marked in seconds from 0 to 5500. Key events include: GS Acq (0-50s), Exp. 1 (50-300s), Pointing Maneuver (300-400s), Exp. 1 (400-700s), Pointing Maneuver (700-800s), Exp. 1 (800-1100s), Pointing Maneuver (1100-1200s), Exp. 1 (1200-1500s), Pointing Maneuver (1500-1600s), Exp. 1 (1600-1900s), Pointing Maneuver (1900-2000s), Exp. 1 (2000-2300s), Reconfig (2300-2400s), Unused Visibility = 968 (2400-3368s), and Occultation (3368-5500s). The timeline is divided into segments by vertical lines, with labels indicating the duration of each segment.									

Proposal 12585 - Visit 24 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 24, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:34 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(24)	WISEPC223810.20+265319.5	RA: 22 38 10.2000 (339.5425000d) Dec: +26 53 19.50 (26.88875d) Equinox: J2000		Redshift: 2.41		V=25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(24) WISEPC223810.20+265319.5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 24 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509									

Proposal 12585 - Visit 25 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 25, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:35 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(25)	WISEPC102703.68+4544 29.8	RA: 10 27 3.6800 (156.7653333d) Dec: +45 44 29.80 (45.74161d) Equinox: J2000		Redshift: 2.390		V=25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(25) WISEPC102703.68+454429.8	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 25 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509									

Proposal 12585 - Visit 26 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Wed Jul 13 02:29:35 GMT 2011

Visit	Proposal 12585, Visit 26, implementation										Wed Jul 13 02:29:35 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(26)	WISEPC221130.30+332012.9	RA: 22 11 30.3000 (332.8762500d) Dec: +33 20 12.90 (33.33692d) Equinox: J2000		Redshift: 2.370		V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
	1		(26) WISEPC221130.30+332012.9	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 26 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]		
Orbit Structure	Orbit 1											Server Version: 20110509

Proposal 12585 - Visit 27 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 27, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:35 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(27)	WISEPC022646.88+051423.0	RA: 02 26 46.8800 (36.6953333d) Dec: +05 14 23.00 (5.23972d) Equinox: J2000		Redshift: 2.35		V=25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(27) WISEPC022646.88+051423.0	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 27 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20110509 The diagram illustrates the timeline of Orbit 1, showing the sequence of events and their durations. The timeline is marked in seconds from 0 to 5500. 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), Pointing Maneuver (300-350s), Exp. 1 (350-400s), Reconfig (400-450s), Unused Visibility = 869 (450-500s), and Occultation (500-5500s). The timeline is marked in seconds from 0 to 5500.									

Proposal 12585 - Visit 28 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 28, implementation Wed Jul 13 02:29:35 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(28)	WISEPC183533.73+435548.7	RA: 18 35 33.7300 (278.8905417d) Dec: +43 55 48.70 (43.93019d) Equinox: J2000	Redshift: 2.298	V=25
Exposures					
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(28) WISEPC183533.73+435548.7	WFC3/IR, MULTIACCUM, IR	F160W
					Opt. Params.
					NSAMP=10; SAMP-SEQ=SPAR S50
					Special Reqs.
					Groups
					Pattern 1, Exps 1-1 in Visit 28 (1)
					Exp. Time/[Actual Dur.]
					[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]
					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20110509				

Proposal 12585 - Visit 29 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 29, implementation										Wed Jul 13 02:29:35 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(29)	WISEPC010855.55-175739.1	RA: 01 08 55.5500 (17.2314583d) Dec: -17 57 39.10 (-17.96086d) Equinox: J2000		Redshift: 2.29		V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
	1		(29) WISEPC010855.55-175739.1	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 29 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]		
Orbit Structure	Orbit 1											Server Version: 20110509

Proposal 12585 - Visit 30 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 30, implementation					Wed Jul 13 02:29:35 GMT 2011							
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: (none)												
Patterns	#	Primary Pattern			Secondary Pattern		Exposures						
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)						
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(30)	WISEPC075725.08+511319.5	RA: 07 57 25.0800 (119.3545000d) Dec: +51 13 19.50 (51.22208d) Equinox: J2000		Redshift: 2.277		V=25		Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit		
	1		(30) WISEPC075725.08+511319.5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 30 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]		
Orbit Structure	Orbit 1											Server Version: 20110509	
	The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key events are marked with arrows and labels: GS Acq. at ~100s, Exp. 1 at ~350s, Pointing Maneuver at ~850s, Exp. 1 at ~1350s, Pointing Maneuver at ~1850s, Exp. 1 at ~2350s, Pointing Maneuver at ~2850s, Unused Visibility = 1072 at ~3350s, Reconfig at ~3450s, and Occultation at ~3500s. The timeline is represented by a horizontal bar with alternating blue and white checkered segments for exposure periods and solid green segments for other periods. Below the bar, a scale in seconds is provided with major ticks every 500 seconds and minor ticks every 100 seconds.												

Proposal 12585 - Visit 31 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 31, implementation										Wed Jul 13 02:29:36 GMT 2011			
	Diagnostic Status: No Diagnostics													
	Scientific Instruments: WFC3/IR													
	Special Requirements: (none)													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365					Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(1)		
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(31)	WISEPC094854.14+554420.6	RA: 09 48 54.1400 (147.2255833d) Dec: +55 44 20.60 (55.73906d) Equinox: J2000			Redshift: 2.27			V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit			
	1		(31) WISEPC094854.14+554420.6	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 31 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]			
Orbit Structure	Orbit 1												Server Version: 20110509	
	The diagram illustrates the sequence of events for Orbit 1 over a 5500-second period. Key events include: GS Acq: Ground Station Acquisition at approximately 100 seconds. Exp. 1: Four exposure periods, each lasting 100 seconds, occurring at approximately 400, 800, 1200, and 1600 seconds. Pointing Maneuver: Three maneuvers, each lasting 100 seconds, occurring at approximately 600, 1000, and 1400 seconds. Reconfig: A reconfiguration event lasting 100 seconds at approximately 2400 seconds. Unused Visibility: A period of 1138 seconds of unused visibility, highlighted in green, occurring from approximately 2500 to 3638 seconds. Occultation: A period of occultation, highlighted in white, occurring from approximately 3638 to 5500 seconds.													

Proposal 12585 - Visit 32 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 32, implementation										Wed Jul 13 02:29:36 GMT 2011																													
	Diagnostic Status: No Diagnostics																																							
	Scientific Instruments: WFC3/IR																																							
	Special Requirements: (none)																																							
Patterns	#	Primary Pattern										Secondary Pattern										Exposures																		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)																		
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous																								
	(32)	WISEPC014747.55-092350.7		RA: 01 47 47.5500 (26.9481250d) Dec: -09 23 50.70 (-9.39742d) Equinox: J2000				Redshift: 2.26				V=25				Reference Frame: ICRS																								
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]				Orbit																					
	1		(32) WISEPC014747.55-092350.7	WFC3/IR, MULTIACCUM, IR			F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 32 (1)		[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)] [>=>(Pattern 4)]				[1]																					
Orbit Structure	Orbit 1																				Server Version: 20110509																			
	The diagram illustrates the timeline of Orbit 1, spanning from 0 to 5500 seconds. Key events include: GS Acq: Ground Station Acquisition at approximately 100 seconds. Exp. 1: Four exposure periods, each lasting 100 seconds, occurring at approximately 400, 800, 1400, and 1900 seconds. Pointing Maneuver: Three maneuvers, each lasting 100 seconds, occurring at approximately 700, 1300, and 1800 seconds. Reconfig: A reconfiguration period lasting 100 seconds at approximately 2400 seconds. Occultation: A period of occultation lasting 100 seconds at approximately 3200 seconds. Unused Visibility = 869: A period of unused visibility lasting 869 seconds, starting at approximately 2500 seconds and ending at approximately 3369 seconds.																																							

Proposal 12585 - Visit 33 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 33, implementation Wed Jul 13 02:29:36 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(33)	WISEPC042248.82-102831.9	RA: 04 22 48.8200 (65.7034167d) Dec: -10 28 31.90 (-10.47553d) Equinox: J2000	Redshift: 2.23	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(33) WISEPC042248.82-102831.9	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 33 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				

Proposal 12585 - Visit 34 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 34, implementation										Wed Jul 13 02:29:36 GMT 2011												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)	
Fixed Targets	#	Name	Target Coordinates					Targ. Coord. Corrections					Fluxes					Miscellaneous					
	(34)	WISEPC024858.81+270529.8	RA: 02 48 58.8100 (42.2450417d) Dec: +27 05 29.80 (27.09161d) Equinox: J2000					Redshift: 2.21					V=25					Reference Frame: ICRS					
Exposures	#	Label	Target	Config,Mode,Aperture			Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]		Orbit						
	1		(34) WISEPC024858.81+270529.8	WFC3/IR, MULTIACCUM, IR			F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 34 (1)		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]						
Orbit Structure	Orbit 1 Server Version: 20110509 The diagram shows a timeline from 0 to 5500 seconds. Key events include: GS Acq (0-50s), Exp. 1 (50-80s), Pointing Maneuver (80-130s), Exp. 1 (130-180s), Pointing Maneuver (180-230s), Exp. 1 (230-280s), Pointing Maneuver (280-330s), Exp. 1 (330-380s), Reconfig (380-430s), Unused Visibility = 884 (430-1314s), Occultation (1314-5500s). The timeline is marked with a scale in seconds.																						

Proposal 12585 - Visit 35 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 35, implementation										Wed Jul 13 02:29:36 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365					Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(35)	WISEPC141909.78+512815.0	RA: 14 19 9.7800 (214.7907500d) Dec: +51 28 15.00 (51.47083d) Equinox: J2000		Redshift: 2.196		V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(35) WISEPC141909.78+512815.0	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 35 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20110509

Proposal 12585 - Visit 36 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 36, implementation										Wed Jul 13 02:29:37 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365					Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(36)	WISEPC013400.60-260725.5	RA: 01 34 0.6000 (23.5025000d) Dec: -26 07 25.50 (-26.12375d) Equinox: J2000		Redshift: 2.14		V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(36) WISEPC013400.60-260725.5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 36 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20110509
	The diagram illustrates the orbit structure over a 5500-second period. It shows alternating exposure times (Exp. 1) and pointing maneuvers. A green bar indicates the 'Unused Visibility = 884' period. The timeline is marked with seconds from 0 to 5500.											

Proposal 12585 - Visit 37 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 37, implementation										Wed Jul 13 02:29:37 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365					Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(37)	WISEPC033851.33+194128.4	RA: 03 38 51.3300 (54.7138750d) Dec: +19 41 28.40 (19.69122d) Equinox: J2000		Redshift: 2.123		V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(37) WISEPC033851.33+194128.4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 37 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20110509
	The diagram illustrates the sequence of events for Orbit 1. It begins with a Ground Station Acquisition (GS Acq) phase, followed by a series of exposures (Exp. 1) separated by pointing maneuvers. A reconfiguration period occurs before a long segment of unused visibility, which ends with an occultation period.											

Proposal 12585 - Visit 38 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 38, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:37 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(38)	WISEPC235710.82+032803.4	RA: 23 57 10.8200 (359.2950833d) Dec: +03 28 3.40 (3.46761d) Equinox: J2000		Redshift: 2.12		V=25	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(38) WISEPC235710.82+032803.4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 38 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509									

Proposal 12585 - Visit 39 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 39, implementation										Wed Jul 13 02:29:37 GMT 2011																													
	Diagnostic Status: No Diagnostics																																							
	Scientific Instruments: WFC3/IR																																							
	Special Requirements: (none)																																							
Patterns	#	Primary Pattern										Secondary Pattern										Exposures																		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)																		
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous																								
	(39)	WISEPC100636.34+510500.6		RA: 10 06 36.3400 (151.6514167d) Dec: +51 05 0.60 (51.08350d) Equinox: J2000				Redshift: 2.112				V=25				Reference Frame: ICRS																								
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]		Orbit																						
	1		(39) WISEPC100636.34+510500.6	WFC3/IR, MULTIACCUM, IR				F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 39 (1)		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]																						
Orbit Structure	Orbit 1																				Server Version: 20110509																			
	GS Acq Exp. 1 Exp. 1 Pointing Maneuver Exp. 1 Pointing Maneuver Exp. 1 Pointing Maneuver Reconfig Unused Visibility = 1072 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec																																							

Proposal 12585 - Visit 40 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 40, implementation Wed Jul 13 02:29:38 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(40)	WISEPC060508.95-232434.5	RA: 06 05 8.9500 (91.2872917d) Dec: -23 24 34.50 (-23.40958d) Equinox: J2000	Redshift: 2.08	V=25
Exposures					
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(40) WISEPC060508.95-232434.5	WFC3/IR, MULTIACCUM, IR	F160W
					Opt. Params.
					NSAMP=10; SAMP-SEQ=SPAR S50
					Special Reqs.
					Groups
					Pattern 1, Exps 1-1 in Visit 40 (1)
					Exp. Time/[Actual Dur.]
					[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]
					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20110509				
	The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key events are marked with arrows and labels: 'GS Acq' at ~100s, 'Exp. 1' at ~400s, ~900s, ~1400s, and ~1900s. 'Pointing Maneuver' events occur between these exposures. A 'Reconfig' event is shown at ~2400s, followed by a period of 'Unused Visibility = 876' (highlighted in green) and an 'Occultation' period (highlighted in white) starting at ~3200s. The timeline is divided into segments with different patterns: blue and white checkered for exposures, solid black for maneuvers, solid green for unused visibility, and solid white for occultation. A scale bar at the bottom indicates time in seconds from 0 to 5500.				

Proposal 12585 - Visit 41 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Wed Jul 13 02:29:38 GMT 2011

Visit	Proposal 12585, Visit 41, implementation					Wed Jul 13 02:29:38 GMT 2011				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(41)	WISEPC182242.67+634853.4	RA: 18 22 42.6700 (275.6777917d) Dec: +63 48 53.40 (63.81483d) Equinox: J2000	Redshift: 2.072	V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(41) WISEPC182242.67+634853.4	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 41 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20110509									

Proposal 12585 - Visit 42 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 42, implementation					Wed Jul 13 02:29:38 GMT 2011					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(42)	WISEPC181941.51+453209.9	RA: 18 19 41.5100 (274.9229583d) Dec: +45 32 9.90 (45.53608d) Equinox: J2000		Redshift: 2.031		V=25		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(42) WISEPC181941.51+453209.9	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 42 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20110509										
The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key phases include: GS Acq: Ground Station Acquisition at the start. Exp. 1: Four exposure periods, each lasting 400 seconds, separated by 100-second gaps. The first exposure starts at 300s and ends at 700s. The second starts at 800s and ends at 1200s. The third starts at 1300s and ends at 1700s. The fourth starts at 1800s and ends at 2200s. Pointing Maneuver: Three maneuvers, each lasting 50 seconds, occurring at 700s, 1200s, and 1700s. Reconfig: A reconfiguration period lasting 100 seconds, starting at 2300s and ending at 2400s. Unused Visibility: A period of 1018 seconds, starting at 2400s and ending at 3418s. Occultation: A period starting at 3418s and ending at 5500s. The timeline is marked with a scale from 0 to 5500 seconds, with major ticks every 500 seconds and minor ticks every 100 seconds.											

Proposal 12585 - Visit 43 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 43, implementation Wed Jul 13 02:29:38 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(43)	WISEPC220743.83+1939.5	RA: 22 07 43.8300 (331.9326250d) Dec: +19 39 39.50 (19.66097d) Equinox: J2000	Redshift: 2.02	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(43) WISEPC220743.83+193939.5	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 43 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				

Proposal 12585 - Visit 44 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 44, implementation										Wed Jul 13 02:29:38 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365					Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(44)	WISEPC024344.17+415809.5	RA: 02 43 44.1700 (40.9340417d) Dec: +41 58 9.50 (41.96931d) Equinox: J2000		Redshift: 2.010		V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(44) WISEPC024344.17+415809.5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 44 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	
Orbit Structure	Orbit 1											Server Version: 20110509
	The diagram illustrates the orbit structure for Orbit 1, spanning from 0 to 5500 seconds. Key events include Ground Station Acquisition (GS Acq) at the start, followed by a series of exposures (Exp. 1) separated by pointing maneuvers. A reconfiguration period and a period of unused visibility (968 seconds) occur before the occultation begins at approximately 2400 seconds.											

Proposal 12585 - Visit 45 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 45, implementation Wed Jul 13 02:29:38 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(45)	WISEPC091247.26+774158.2	RA: 09 12 47.2600 (138.1969167d) Dec: +77 41 58.20 (77.69950d) Equinox: J2000	Redshift: 1.996	V=25
Exposures					Miscellaneous
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(45) WISEPC091247.26+774158.2	WFC3/IR, MULTIACCUM, IR	F160W
Exposures					Opt. Params.
	NSAMP=10; SAMP-SEQ=SPAR S50				
Exposures					Special Reqs.
Exposures					Groups
	Pattern 1, Exps 1-1 in Visit 45 (1)				
Exposures					Exp. Time/[Actual Dur.]
	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]				
Exposures					Orbit
	[1]				
Orbit Structure	Orbit 1 Server Version: 20110509				
	The diagram illustrates the timeline of Orbit 1, spanning from 0 to 5500 seconds. Key events are marked with arrows and labels: 'GS Acq' at ~100s, 'Exp. 1' at ~400s, ~800s, ~1200s, and ~1600s, 'Pointing Maneuver' at ~1400s and ~1800s, 'Reconfig' at ~2400s, and 'Occultation' at ~3600s. A blue checkered bar represents the primary exposure period from ~400s to ~2400s. A green bar indicates a period from ~2400s to ~3600s, labeled 'Unused Visibility = 1260'. Black bars below the timeline represent periods of non-visibility or occultation. The x-axis is labeled 'sec' with major ticks every 500 units.				

Proposal 12585 - Visit 46 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 46, implementation										Wed Jul 13 02:29:39 GMT 2011																													
	Diagnostic Status: No Diagnostics																																							
	Scientific Instruments: WFC3/IR																																							
	Special Requirements: (none)																																							
Patterns	#	Primary Pattern										Secondary Pattern										Exposures																		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)																		
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous																								
	(46)	WISEPC120629.69+623224.3		RA: 12 06 29.6900 (181.6237083d) Dec: +62 32 24.30 (62.54008d) Equinox: J2000				Redshift: 1.995				V=25				Reference Frame: ICRS																								
Exposures	#	Label	Target	Config,Mode,Aperture				Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]		Orbit																						
	1		(46) WISEPC120629.69+623224.3	WFC3/IR, MULTIACCUM, IR				F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 46 (1)		[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]																						
Orbit Structure	Orbit 1																				Server Version: 20110509																			
	The diagram illustrates the mission timeline for Orbit 1, spanning from 0 to 5500 seconds. Key phases include: GS Acq: Ground Station Acquisition at the start. Exp. 1: Four exposure periods, each lasting 400 seconds, occurring at approximately 300, 800, 1300, and 1800 seconds. These are represented by blue checkered blocks. Pointing Maneuver: Three maneuvers, each lasting 100 seconds, occurring at approximately 700, 1200, and 1700 seconds. These are represented by black blocks. Reconfig: A reconfiguration period lasting 100 seconds at approximately 2300 seconds, represented by a green block. Unused Visibility: A period of 1143 seconds from 2400 to 3500 seconds, represented by a solid green block. Occultation: A period from 3500 to 5500 seconds, represented by a white block. The timeline is marked with a scale from 0 to 5500 seconds in increments of 500.																																							

Proposal 12585 - Visit 47 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 47, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:39 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(47)	WISEPC131628.54+351235.6	RA: 13 16 28.5400 (199.1189167d) Dec: +35 12 35.60 (35.20989d) Equinox: J2000		Redshift: 1.956		V=25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(47) WISEPC131628.54+351235.6	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPARS50	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-1 in Visit 47 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509									

Proposal 12585 - Visit 48 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 48, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:39 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(48)	WISEPC045522.58-030200.2	RA: 04 55 22.5800 (73.8440833d) Dec: -03 02 0.20 (-3.03339d) Equinox: J2000		Redshift: 1.86		V=25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(48) WISEPC045522.58-030200.2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 48 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509									

Proposal 12585 - Visit 49 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Wed Jul 13 02:29:39 GMT 2011

Visit

Proposal 12585, Visit 49, implementation

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern	Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(49)	WISEPC094608.30+500818.9	RA: 09 46 8.3000 (146.5345833d) Dec: +50 08 18.90 (50.13858d) Equinox: J2000	Redshift: 1.85	V=25	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(49) WISEPC094608.30+500818.9	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 49 (1)	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]

Orbit Structure

Orbit 1

Server Version: 20110509

The diagram illustrates the mission sequence for Orbit 1. The x-axis represents time in seconds from 0 to 5500. Key events are marked as follows:

- GS Acq**: Ground Station Acquisition at approximately 100s.
- Exp. 1**: Four exposure periods, each lasting about 100s, occurring between 300s and 2400s. These are represented by blue checkered bars.
- Pointing Maneuver**: Three maneuvers indicated by downward arrows at approximately 800s, 1350s, and 1850s.
- Reconfig**: A reconfiguration event at approximately 2400s, marked by a downward arrow.
- Unused Visibility = 1072**: A period of unused visibility starting at 2400s and ending at 3400s, shown as a solid green bar.
- Occlusion**: An occultation event starting at 3400s and continuing until the end of the orbit at 5500s, shown as a white bar.

Proposal 12585 - Visit 50 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 50, implementation Wed Jul 13 02:29:39 GMT 2011				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(50)	WISEPC042138.55+203644.6	RA: 04 21 38.5500 (65.4106250d) Dec: +20 36 44.60 (20.61239d) Equinox: J2000	Redshift: 1.826	V=25
Exposures					
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(50) WISEPC042138.55+203644.6	WFC3/IR, MULTIACCUM, IR	F160W
					Opt. Params.
					NSAMP=10; SAMP-SEQ=SPAR S50
					Special Reqs.
					Groups
					Pattern 1, Exps 1-1 in Visit 50 (1)
					Exp. Time/[Actual Dur.]
					[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]
					Orbit
					[1]
Orbit Structure	Orbit 1 Server Version: 20110509				

Proposal 12585 - Visit 51 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 51, implementation										Wed Jul 13 02:29:39 GMT 2011												
	Diagnostic Status: No Diagnostics																						
	Scientific Instruments: WFC3/IR																						
	Special Requirements: (none)																						
Patterns	#	Primary Pattern										Secondary Pattern										Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365										Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false										(1)	
Fixed Targets	#	Name		Target Coordinates				Targ. Coord. Corrections				Fluxes				Miscellaneous							
	(51)	WISEPC114612.88+412914.4		RA: 11 46 12.8800 (176.5536667d) Dec: +41 29 14.40 (41.48733d) Equinox: J2000				Redshift: 1.772				V=25				Reference Frame: ICRS							
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time/[Actual Dur.]				Orbit					
	1		(51) WISEPC114612.88+412914.4	WFC3/IR, MULTIACCUM, IR		F160W		NSAMP=10; SAMP-SEQ=SPAR S50				Pattern 1, Exps 1-1 in Visit 51 (1)		[>=>(Pattern 1)] [>=>(Pattern 2)] [>=>(Pattern 3)] [>=>(Pattern 4)]				[1]					
Orbit Structure	Orbit 1 Server Version: 20110509 05001000150020002500300035004000450050005500 sec																						

Proposal 12585 - Visit 52 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 52, implementation										Wed Jul 13 02:29:40 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365					Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(52)	WISEPC021134.63-224223.2	RA: 02 11 34.6300 (32.8942917d) Dec: -22 42 23.20 (-22.70644d) Equinox: J2000		Redshift: 1.746		V=25		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
	1		(52) WISEPC021134.63-224223.2	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 52 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]		
Orbit Structure	Orbit 1											Server Version: 20110509
	The diagram illustrates the timeline of Orbit 1, spanning from 0 to 5500 seconds. Key events are marked with arrows and labels: GS Acq, Exp. 1, Pointing Maneuver, Reconfig, and Occultation. A green bar indicates Unused Visibility = 876 seconds.											

Proposal 12585 - Visit 53 - Unveiling the Physical Structures of the Most Luminous IR Galaxies Discovered by WISE at $z>1.6$

Visit	Proposal 12585, Visit 53, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)					Wed Jul 13 02:29:40 GMT 2011				
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(53)	WISEPC221619.09+072354.5	RA: 22 16 19.0900 (334.0795417d) Dec: +07 23 54.50 (7.39847d) Equinox: J2000		Redshift: 1.68		V=25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(53) WISEPC221619.09+072354.5	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=10; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 in Visit 53 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
Orbit Structure	Orbit 1 Server Version: 20110509									