



18346 - Star formation, nuclear activity and quenching in the most massive clusters at $z \sim 1.5$

Cycle: 34, Proposal Category: GO

(Availability Mode: SUPPORTED)

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VISITS

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
01	(1) SPT-CLJ0421-4845	WFC3/IR	1	28-Aug-2026 17:00:18.0	yes
02	(1) SPT-CLJ0421-4845	WFC3/IR	1	28-Aug-2026 17:00:19.0	yes
03	(1) SPT-CLJ0421-4845	WFC3/IR	1	28-Aug-2026 17:00:19.0	yes
04	(1) SPT-CLJ0421-4845	WFC3/IR	1	28-Aug-2026 17:00:19.0	yes
05	(1) SPT-CLJ0421-4845	WFC3/IR	1	28-Aug-2026 17:00:20.0	yes
06	(1) SPT-CLJ0421-4845	WFC3/IR	1	28-Aug-2026 17:00:20.0	yes
07	(1) SPT-CLJ0421-4845	WFC3/IR	1	28-Aug-2026 17:00:20.0	yes
08	(1) SPT-CLJ0421-4845	WFC3/IR	1	28-Aug-2026 17:00:21.0	yes
09	(4) SPT-CLJ0607-4448	WFC3/IR	1	28-Aug-2026 17:00:21.0	yes
10	(4) SPT-CLJ0607-4448	WFC3/IR	1	28-Aug-2026 17:00:21.0	yes
11	(4) SPT-CLJ0607-4448	WFC3/IR	1	28-Aug-2026 17:00:21.0	yes
12	(4) SPT-CLJ0607-4448	WFC3/IR	1	28-Aug-2026 17:00:22.0	yes

Proposal 18346 (STScI Edit Number: 0, Created: Friday, August 28, 2026, 4:00:34PM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
13	(4) SPT-CLJ0607-4448	WFC3/IR	1	28-Aug-2026 17:00:22.0	yes
14	(4) SPT-CLJ0607-4448	WFC3/IR	1	28-Aug-2026 17:00:22.0	yes
15	(4) SPT-CLJ0607-4448	WFC3/IR	1	28-Aug-2026 17:00:23.0	yes
16	(4) SPT-CLJ0607-4448	WFC3/IR	1	28-Aug-2026 17:00:23.0	yes
17	(5) SPT-CLJ2040-4451	WFC3/IR	1	28-Aug-2026 17:00:24.0	yes
18	(5) SPT-CLJ2040-4451	WFC3/IR	1	28-Aug-2026 17:00:24.0	yes
19	(5) SPT-CLJ2040-4451	WFC3/IR	1	28-Aug-2026 17:00:24.0	yes
20	(5) SPT-CLJ2040-4451	WFC3/IR	1	28-Aug-2026 17:00:25.0	yes
21	(5) SPT-CLJ2040-4451	WFC3/IR	1	28-Aug-2026 17:00:25.0	yes
22	(5) SPT-CLJ2040-4451	WFC3/IR	1	28-Aug-2026 17:00:25.0	yes
23	(5) SPT-CLJ2040-4451	WFC3/IR	1	28-Aug-2026 17:00:26.0	yes
24	(5) SPT-CLJ2040-4451	WFC3/IR	1	28-Aug-2026 17:00:26.0	yes
25	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:27.0	yes
26	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:27.0	yes
27	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:27.0	yes
28	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:28.0	yes
29	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:28.0	yes
30	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:28.0	yes
31	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:29.0	yes
32	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:29.0	yes
33	(2) SPT-CLJ0446-4606	WFC3/IR	1	28-Aug-2026 17:00:29.0	yes
34	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:30.0	yes
35	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:30.0	yes
36	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:30.0	yes
37	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:31.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
38	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:31.0	yes
39	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:31.0	yes
40	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:32.0	yes
41	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:32.0	yes
42	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:32.0	yes
43	(3) SPT-CLJ0459-4947	WFC3/IR	1	28-Aug-2026 17:00:33.0	yes

43 Total Orbits Used

ABSTRACT

We propose 43 orbits of WFC3 G102 and G141 grism observations of five most distant ($1.4 < z < 1.7$) SZE-selected galaxy clusters from the 2500 sq.deg. SPT-SZ survey. This project leverages a unique, homogeneous, representative sample of the rarest, most massive clusters at $z \sim 1.5$, to investigate critical aspects of galaxy evolution, providing at the same time a fundamental, well-defined observational counterpart to the most massive halos in cosmological simulations. The proposed cluster sample is ideally suited for such observations, both science wise (due to its clean selection, clear characterization, strongest environmental signatures due to very high cluster masses) and for observing efficiency (high cluster mass implies large sample of cluster galaxies).

The proposed grism spectra simultaneously probe spectral features sensitive to stellar age, star formation rate and optical AGN emission, crucially complementing an already extensive data set across the spectrum (X-ray through radio) from programs on all major facilities, to explore star formation, nuclear activity, quenching and structural evolution of galaxies in massive cluster cores. The proposed observations are necessary to obtain a large, representative, statistically meaningful, spectroscopically confirmed sample of cluster galaxies at $z \sim 1.5$, and to constrain their fundamental properties. This program will provide a critical counterpart to analogous large population studies at $z \sim 1$, at a crucial epoch probing the transition between $z > 2$ protoclusters and established, already quenched clusters at $z < 1$.

OBSERVING DESCRIPTION

We propose to observe five of the highest-mass and highest-redshift galaxy clusters known from the SPT-SZ cluster survey. We will obtain HST/WFC3 observations in F105W/G102 and F160W/G141 filters and grisms. The proposed observations are designed to characterize stellar age, SFR, and nuclear activity down to $m_{F140W} < 23.5$.

Proposal 18346 (STScI Edit Number: 0, Created: Friday, August 28, 2026, 4:00:34PM Eastern Standard Time) - Overview

We make 1 orbit per visit, allowing for flexibility in telescope orient angles. For the three lower-redshift clusters (SPT0421, SPT0607, and SPT2040) we offset the visits by angles to minimize spectral collisions as determined by visual inspection. For the F105W/G102 exposures we perform 2 matching visits per orient angle configuration. For the intermediate-redshift cluster, SPT0446, we add an additional fourth orientation angle to maximize unique orients in the added orbit. For the highest-redshift cluster, SPT0459, we have four orients, each with a matching visit.

For the F160W/G141 observations, we perform 2 visits per cluster offsetting the second visit by angles determined to minimize spectral collisions determined by visual inspection.

One cluster, SPT0421, has a bright source (an X-ray AGN) just south of the central cluster galaxy. We have provided broad orientation constraints to attempt to avoid spectral collision by this source onto the cluster galaxies.

All visits follow an ABBA sequence with "A" and "B" corresponding to imaging and grism exposures respectively. All exposure parameters within visits have been optimized to maximize the utilization of the available orbit visibilities.

Visit	Proposal 18346, SPT0421 - F105W/G102 - O1.1 (01), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 350D TO 20 D; ORIENT 170D TO 200 D											
	Comments: Visit 1 = Orient 1 (absolute orientation ranges of 350-20deg or 170-200deg) Visit 2 = Orient 2 (offset from O1 by 43-45deg) Visit 3 = Orient 3 (offset from O1 by 143-157deg) Visit 4 = Orient 1 Visit 5 = Orient 2 Visit 6 = Orient 3											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SPT-CLJ0421-4845	RA: 04 21 17.3394 (65.3222475d) Dec: -48 45 52.97 (-48.76471d) Equinox: J2000					V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W (WFC3IR.i m.2361915)	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15				142.945773 Secs (142.946 Secs) [==>]	[1]
	2	G102 (WFC3IR.sp .2360350)	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12				1102.935844 Secs (1102.936 Secs) [==>]	[1]
	3	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12				1102.935844 Secs (1102.936 Secs) [==>]	[1]
	4	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15				142.945773 Secs (142.946 Secs) [==>]	[1]
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT0421 - F105W/G102 - O2.1 (02), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 43D TO 47D FROM 01										
	Comments: Visit 1 = Orient 1 (absolute orientation ranges of 350-20deg or 170-200deg) Visit 2 = Orient 2 (offset from O1 by 43-45deg) Visit 3 = Orient 3 (offset from O1 by 143-157deg) Visit 4 = Orient 1 Visit 5 = Orient 2 Visit 6 = Orient 3										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(1)	SPT-CLJ0421-4845	RA: 04 21 17.3394 (65.3222475d) Dec: -48 45 52.97 (-48.76471d) Equinox: J2000				V=25	Reference Frame: ICRS			
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618										

Visit	Proposal 18346, SPT0421 - F105W/G102 - O3.1 (03), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 143D TO 157D FROM 01										
	Comments: Visit 1 = Orient 1 (absolute orientation ranges of 350-20deg or 170-200deg) Visit 2 = Orient 2 (offset from O1 by 43-45deg) Visit 3 = Orient 3 (offset from O1 by 143-157deg) Visit 4 = Orient 1 Visit 5 = Orient 2 Visit 6 = Orient 3										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	SPT-CLJ0421-4845	RA: 04 21 17.3394 (65.3222475d) Dec: -48 45 52.97 (-48.76471d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 050010001500200025003000350040004500500055006000 sec										

Visit	Proposal 18346, SPT0421 - F105W/G102 - O1.2 (04), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 01										
	Comments: Visit 1 = Orient 1 (absolute orientation ranges of 350-20deg or 170-200deg) Visit 2 = Orient 2 (offset from O1 by 43-45deg) Visit 3 = Orient 3 (offset from O1 by 143-157deg) Visit 4 = Orient 1 Visit 5 = Orient 2 Visit 6 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SPT-CLJ0421-4845	RA: 04 21 17.3394 (65.3222475d) Dec: -48 45 52.97 (-48.76471d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 050010001500200025003000350040004500500055006000 sec										

Visit	Proposal 18346, SPT0421 - F105W/G102 - O2.2 (05), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 02										
	Comments: Visit 1 = Orient 1 (absolute orientation ranges of 350-20deg or 170-200deg) Visit 2 = Orient 2 (offset from O1 by 43-45deg) Visit 3 = Orient 3 (offset from O1 by 143-157deg) Visit 4 = Orient 1 Visit 5 = Orient 2 Visit 6 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SPT-CLJ0421-4845	RA: 04 21 17.3394 (65.3222475d) Dec: -48 45 52.97 (-48.76471d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618										

Visit	Proposal 18346, SPT0421 - F105W/G102 - O3.2 (06), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: SAME ORIENT AS 03											
	Comments: Visit 1 = Orient 1 (absolute orientation ranges of 350-20deg or 170-200deg) Visit 2 = Orient 2 (offset from O1 by 43-45deg) Visit 3 = Orient 3 (offset from O1 by 143-157deg) Visit 4 = Orient 1 Visit 5 = Orient 2 Visit 6 = Orient 3											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SPT-CLJ0421-4845	RA: 04 21 17.3394 (65.3222475d) Dec: -48 45 52.97 (-48.76471d) Equinox: J2000					V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs)			
									[==>]		[1]	
	2	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs)			
									[==>]		[1]	
	3	G102	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs)			
								[==>]		[1]		
	4	F105W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs)			
									[==>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20260618

Visit	Proposal 18346, SPT0421 - F160W/G141 - O1 (07), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 90D TO 120 D; ORIENT 270D TO 300 D											
Comments: Visit 7 = Orient 1 (absolute orientation ranges of 90-120deg or 270-300deg)												
Visit 8 = Orient 2 (offset from O1 by 37-39deg)												
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SPT-CLJ0421-4845		RA: 04 21 17.3394 (65.3222475d)				V=25		Reference Frame: ICRS		
			Dec: -48 45 52.97 (-48.76471d)									
Equinox: J2000												
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
											[==>]	[1]
											NSAMP=15	
	2	G141	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
										NSAMP=12		
3	G141	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)		
										[==>]	[1]	
										NSAMP=12		
4	F160W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
										[==>]	[1]	
										NSAMP=15		
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT0421 - F160W/G141 - O2 (08), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 37D TO 39D FROM 07											
Comments: Visit 7 = Orient 1 (absolute orientation ranges of 90-120deg or 270-300deg)												
Visit 8 = Orient 2 (offset from O1 by 37-39deg)												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SPT-CLJ0421-4845	RA: 04 21 17.3394 (65.3222475d)					V=25		Reference Frame: ICRS		
				Dec: -48 45 52.97 (-48.76471d)								
			Equinox: J2000									
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
											[==>]	[1]
	2	G141	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
	3	G141	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
4	F160W	(1) SPT-CLJ0421-4845	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
										[==>]	[1]	
										NSAMP=15		
Orbit Structure	Orbit 1											
	Server Version: 20260618											
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec												

Visit	Proposal 18346, SPT0607 - F105W/G102 - O1.1 (09), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 25D TO 55 D; ORIENT 205D TO 235 D										
	Comments: Visit 9 = Orient 1 (absolute orientation ranges of 25-55deg or 205-235deg) Visit 10 = Orient 2 (offset from O1 by 33-37deg) Visit 11 = Orient 3 (offset from O1 by 83-87deg) Visit 12 = Orient 1 Visit 13 = Orient 2 Visit 14 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	SPT-CLJ0607-4448	RA: 06 07 34.8202 (91.8950842d) Dec: -44 48 14.70 (-44.80408d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 Exp. 3 Exp. 4 Reconfig Unused Orbital Visibility = 8 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Visit	Proposal 18346, SPT0607 - F105W/G102 - O2.1 (10), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 33D TO 37D FROM 09										
	Comments: Visit 9 = Orient 1 (absolute orientation ranges of 25-55deg or 205-235deg) Visit 10 = Orient 2 (offset from O1 by 33-37deg) Visit 11 = Orient 3 (offset from O1 by 83-87deg) Visit 12 = Orient 1 Visit 13 = Orient 2 Visit 14 = Orient 3										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(4)	SPT-CLJ0607-4448	RA: 06 07 34.8202 (91.8950842d) Dec: -44 48 14.70 (-44.80408d) Equinox: J2000				V=25	Reference Frame: ICRS			
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618										

Visit	Proposal 18346, SPT0607 - F105W/G102 - O3.1 (11), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 83D TO 87D FROM 09										
	Comments: Visit 9 = Orient 1 (absolute orientation ranges of 25-55deg or 205-235deg) Visit 10 = Orient 2 (offset from O1 by 33-37deg) Visit 11 = Orient 3 (offset from O1 by 83-87deg) Visit 12 = Orient 1 Visit 13 = Orient 2 Visit 14 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	SPT-CLJ0607-4448	RA: 06 07 34.8202 (91.8950842d) Dec: -44 48 14.70 (-44.80408d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618										

Visit	Proposal 18346, SPT0607 - F105W/G102 - O1.2 (12), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 09										
	Comments: Visit 9 = Orient 1 (absolute orientation ranges of 25-55deg or 205-235deg) Visit 10 = Orient 2 (offset from O1 by 33-37deg) Visit 11 = Orient 3 (offset from O1 by 83-87deg) Visit 12 = Orient 1 Visit 13 = Orient 2 Visit 14 = Orient 3										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(4)	SPT-CLJ0607-4448	RA: 06 07 34.8202 (91.8950842d) Dec: -44 48 14.70 (-44.80408d) Equinox: J2000		V=25	Reference Frame: ICRS					
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20260618										

Visit	Proposal 18346, SPT0607 - F105W/G102 - O2.2 (13), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 10										
	Comments: Visit 9 = Orient 1 (absolute orientation ranges of 25-55deg or 205-235deg) Visit 10 = Orient 2 (offset from O1 by 33-37deg) Visit 11 = Orient 3 (offset from O1 by 83-87deg) Visit 12 = Orient 1 Visit 13 = Orient 2 Visit 14 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	SPT-CLJ0607-4448	RA: 06 07 34.8202 (91.8950842d) Dec: -44 48 14.70 (-44.80408d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20260618										

Visit	Proposal 18346, SPT0607 - F105W/G102 - O3.2 (14), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 11										
	Comments: Visit 9 = Orient 1 (absolute orientation ranges of 25-55deg or 205-235deg) Visit 10 = Orient 2 (offset from O1 by 33-37deg) Visit 11 = Orient 3 (offset from O1 by 83-87deg) Visit 12 = Orient 1 Visit 13 = Orient 2 Visit 14 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	SPT-CLJ0607-4448	RA: 06 07 34.8202 (91.8950842d) Dec: -44 48 14.70 (-44.80408d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 050010001500200025003000350040004500500055006000 sec										

Proposal 18346 - SPT0607 - F160W/G141 - O1 (15) - Star formation, nuclear activity and quenching in the most massive clusters at z...

Visit	Proposal 18346, SPT0607 - F160W/G141 - O1 (15), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 40D TO 70 D; ORIENT 220D TO 250 D											
Comments: Visit 15 = Orient 1 (absolute orientation ranges of 40-70deg or 220-250deg)												
Visit 16 = Orient 2 (offset from O1 by 73-77deg)												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	SPT-CLJ0607-4448	RA: 06 07 34.8202 (91.8950842d)					V=25		Reference Frame: ICRS		
				Dec: -44 48 14.70 (-44.80408d)								
Equinox: J2000												
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
											[==>]	[1]
											NSAMP=15	
	2	G141	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
										NSAMP=12		
3	G141	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)		
										[==>]	[1]	
										NSAMP=12		
4	F160W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
										[==>]	[1]	
										NSAMP=15		
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT0607 - F160W/G141 - O2 (16), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 73D TO 77D FROM 15											
Comments: Visit 15 = Orient 1 (absolute orientation ranges of 40-70deg or 220-250deg)												
Visit 16 = Orient 2 (offset from O1 by 73-77deg)												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	SPT-CLJ0607-4448	RA: 06 07 34.8202 (91.8950842d)					V=25		Reference Frame: ICRS		
				Dec: -44 48 14.70 (-44.80408d)								
Equinox: J2000												
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
											[==>]	[1]
	2	G141	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
	3	G141	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
4	F160W	(4) SPT-CLJ0607-4448	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
										[==>]	[1]	
NSAMP=15												
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT2040 - F105W/G102 - O1.1 (17), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 135D TO 285 D											
	Comments: Visit 17 = Orient 1 (absolute orientation ranges of 135-285deg) Visit 18 = Orient 2 (offset from O1 by 20-50deg) Visit 19 = Orient 3 (offset from O1 by -60--30deg) Visit 20 = Orient 1 Visit 21 = Orient 2 Visit 22 = Orient 3											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(5)	SPT-CLJ2040-4451	RA: 20 40 58.8342 (310.2451425d) Dec: -44 51 41.39 (-44.86150d) Equinox: J2000				V=25		Reference Frame: ICRS			
Comments: Category=CLUSTER OF GALAXIES Description=[HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
	2	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	3	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	4	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20260618

Visit	Proposal 18346, SPT2040 - F105W/G102 - O2.1 (18), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 20D TO 50D FROM 17										
	Comments: Visit 17 = Orient 1 (absolute orientation ranges of 135-285deg) Visit 18 = Orient 2 (offset from O1 by 20-50deg) Visit 19 = Orient 3 (offset from O1 by -60--30deg) Visit 20 = Orient 1 Visit 21 = Orient 2 Visit 22 = Orient 3										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(5)	SPT-CLJ2040-4451	RA: 20 40 58.8342 (310.2451425d) Dec: -44 51 41.39 (-44.86150d) Equinox: J2000		V=25	Reference Frame: ICRS					
	Comments: Category=CLUSTER OF GALAXIES Description=[HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]	
	2	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]	
	3	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]	
	4	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]	
Orbit Structure	Orbit 1										
	Server Version: 20260618										

Visit	Proposal 18346, SPT2040 - F105W/G102 - O3.1 (19), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT -60D TO -30D FROM 17										
	Comments: Visit 17 = Orient 1 (absolute orientation ranges of 135-285deg) Visit 18 = Orient 2 (offset from O1 by 20-50deg) Visit 19 = Orient 3 (offset from O1 by -60--30deg) Visit 20 = Orient 1 Visit 21 = Orient 2 Visit 22 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	SPT-CLJ2040-4451	RA: 20 40 58.8342 (310.2451425d) Dec: -44 51 41.39 (-44.86150d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20260618										

Visit	Proposal 18346, SPT2040 - F105W/G102 - O1.2 (20), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 17										
	Comments: Visit 17 = Orient 1 (absolute orientation ranges of 135-285deg) Visit 18 = Orient 2 (offset from O1 by 20-50deg) Visit 19 = Orient 3 (offset from O1 by -60--30deg) Visit 20 = Orient 1 Visit 21 = Orient 2 Visit 22 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	SPT-CLJ2040-4451	RA: 20 40 58.8342 (310.2451425d) Dec: -44 51 41.39 (-44.86150d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20260618										

Visit	Proposal 18346, SPT2040 - F105W/G102 - O2.2 (21), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 18										
	Comments: Visit 17 = Orient 1 (absolute orientation ranges of 135-285deg) Visit 18 = Orient 2 (offset from O1 by 20-50deg) Visit 19 = Orient 3 (offset from O1 by -60--30deg) Visit 20 = Orient 1 Visit 21 = Orient 2 Visit 22 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	SPT-CLJ2040-4451	RA: 20 40 58.8342 (310.2451425d) Dec: -44 51 41.39 (-44.86150d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1										
	Server Version: 20260618										

Visit	Proposal 18346, SPT2040 - F105W/G102 - O3.2 (22), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: SAME ORIENT AS 19											
	Comments: Visit 17 = Orient 1 (absolute orientation ranges of 135-285deg) Visit 18 = Orient 2 (offset from O1 by 20-50deg) Visit 19 = Orient 3 (offset from O1 by -60--30deg) Visit 20 = Orient 1 Visit 21 = Orient 2 Visit 22 = Orient 3											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(5)	SPT-CLJ2040-4451	RA: 20 40 58.8342 (310.2451425d) Dec: -44 51 41.39 (-44.86150d) Equinox: J2000				V=25		Reference Frame: ICRS			
Comments: Category=CLUSTER OF GALAXIES Description=[HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
	2	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	3	G102	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	4	F105W	(5) SPT-CLJ2040-44 51	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
Orbit Structure	Orbit 1											Server Version: 20260618

Visit	Proposal 18346, SPT2040 - F160W/G141 - O1 (23), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 25D TO 55 D; ORIENT 205D TO 235 D											
Comments: Visit 23 = Orient 1 (absolute orientation ranges of 25-55deg or 205-235deg)												
Visit 24 = Orient 2 (offset from O1 by 35-39deg)												
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	SPT-CLJ2040-4451		RA: 20 40 58.8342 (310.2451425d)				V=25		Reference Frame: ICRS		
			Dec: -44 51 41.39 (-44.86150d)									
Equinox: J2000												
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(5) SPT-CLJ2040-4451	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
							NSAMP=15				[==>]	[1]
	2	G141	(5) SPT-CLJ2040-4451	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
							NSAMP=12				[==>]	[1]
	3	G141	(5) SPT-CLJ2040-4451	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
						NSAMP=12				[==>]	[1]	
4	F160W	(5) SPT-CLJ2040-4451	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
						NSAMP=15				[==>]	[1]	
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT2040 - F160W/G141 - O2 (24), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 35D TO 39D FROM 23											
Comments: Visit 23 = Orient 1 (absolute orientation ranges of 25-55deg or 205-235deg)												
Visit 24 = Orient 2 (offset from O1 by 35-39deg)												
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	SPT-CLJ2040-4451		RA: 20 40 58.8342 (310.2451425d)				V=25		Reference Frame: ICRS		
			Dec: -44 51 41.39 (-44.86150d)									
Equinox: J2000												
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(5) SPT-CLJ2040-4451	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
											[==>]	[1]
	2	G141	(5) SPT-CLJ2040-4451	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
	3	G141	(5) SPT-CLJ2040-4451	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
4	F160W	(5) SPT-CLJ2040-4451	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
										[==>]	[1]	
NSAMP=15												
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT0446 - F105W/G102 - O1.1 (25), implementation										Fri Aug 28 21:00:34 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: ORIENT 15D TO 45 D; ORIENT 195D TO 225 D												
	Comments: Visit 25 = Orient 1 (absolute orientation ranges of 15-45deg or 195-225deg) Visit 26 = Orient 2 (offset from O1 by 88-92deg) Visit 27 = Orient 3 (offset from O1 by 33-37deg) Visit 28 = Orient 4 (offset from O1 by -87--83deg) Visit 29 = Orient 1 Visit 30 = Orient 2 Visit 31 = Orient 3												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d) Dec: -46 05 53.93 (-46.09831d) Equinox: J2000					V=25		Reference Frame: ICRS			
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15				142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12				1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12				1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15				142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618												

Visit	Proposal 18346, SPT0446 - F105W/G102 - O2.1 (26), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 88D TO 92D FROM 25											
	Comments: Visit 25 = Orient 1 (absolute orientation ranges of 15-45deg or 195-225deg) Visit 26 = Orient 2 (offset from O1 by 88-92deg) Visit 27 = Orient 3 (offset from O1 by 33-37deg) Visit 28 = Orient 4 (offset from O1 by -87--83deg) Visit 29 = Orient 1 Visit 30 = Orient 2 Visit 31 = Orient 3											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d) Dec: -46 05 53.93 (-46.09831d) Equinox: J2000					V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
	2	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	3	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	4	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 Exp. 3 Exp. 4 Reconfig Unused Orbital Visibility = 18 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Visit	Proposal 18346, SPT0446 - F105W/G102 - O3.1 (27), implementation						Fri Aug 28 21:00:34 GMT 2026			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT 33D TO 37D FROM 25									
	Comments: Visit 25 = Orient 1 (absolute orientation ranges of 15-45deg or 195-225deg) Visit 26 = Orient 2 (offset from O1 by 88-92deg) Visit 27 = Orient 3 (offset from O1 by 33-37deg) Visit 28 = Orient 4 (offset from O1 by -87--83deg) Visit 29 = Orient 1 Visit 30 = Orient 2 Visit 31 = Orient 3									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d) Dec: -46 05 53.93 (-46.09831d) Equinox: J2000		V=25	Reference Frame: ICRS				
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]
	2	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]
	3	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]
	4	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 Exp. 3 Exp. 4 Reconfig Unused Orbital Visibility = 18 Occultation									

Visit	Proposal 18346, SPT0446 - F105W/G102 - O4.1 (28), implementation										Fri Aug 28 21:00:34 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: ORIENT -87D TO -83D FROM 25												
	Comments: Visit 25 = Orient 1 (absolute orientation ranges of 15-45deg or 195-225deg) Visit 26 = Orient 2 (offset from O1 by 88-92deg) Visit 27 = Orient 3 (offset from O1 by 33-37deg) Visit 28 = Orient 4 (offset from O1 by -87--83deg) Visit 29 = Orient 1 Visit 30 = Orient 2 Visit 31 = Orient 3												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d) Dec: -46 05 53.93 (-46.09831d) Equinox: J2000					V=25		Reference Frame: ICRS			
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15				142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12				1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12				1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15				142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618												

Visit	Proposal 18346, SPT0446 - F105W/G102 - O1.2 (29), implementation								Fri Aug 28 21:00:34 GMT 2026		
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 25										
	Comments: Visit 25 = Orient 1 (absolute orientation ranges of 15-45deg or 195-225deg) Visit 26 = Orient 2 (offset from O1 by 88-92deg) Visit 27 = Orient 3 (offset from O1 by 33-37deg) Visit 28 = Orient 4 (offset from O1 by -87--83deg) Visit 29 = Orient 1 Visit 30 = Orient 2 Visit 31 = Orient 3										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d) Dec: -46 05 53.93 (-46.09831d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618										

Visit	Proposal 18346, SPT0446 - F105W/G102 - O2.2 (30), implementation						Fri Aug 28 21:00:34 GMT 2026			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: SAME ORIENT AS 26									
	Comments: Visit 25 = Orient 1 (absolute orientation ranges of 15-45deg or 195-225deg) Visit 26 = Orient 2 (offset from O1 by 88-92deg) Visit 27 = Orient 3 (offset from O1 by 33-37deg) Visit 28 = Orient 4 (offset from O1 by -87--83deg) Visit 29 = Orient 1 Visit 30 = Orient 2 Visit 31 = Orient 3									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d) Dec: -46 05 53.93 (-46.09831d) Equinox: J2000		V=25	Reference Frame: ICRS				
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]
	2	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]
	3	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]
	4	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 Exp. 3 Exp. 4 Reconfig Unused Orbital Visibility = 18 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Visit	Proposal 18346, SPT0446 - F105W/G102 - O3.2 (31), implementation										Fri Aug 28 21:00:34 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/IR												
	Special Requirements: SAME ORIENT AS 27												
	Comments: Visit 25 = Orient 1 (absolute orientation ranges of 15-45deg or 195-225deg) Visit 26 = Orient 2 (offset from O1 by 88-92deg) Visit 27 = Orient 3 (offset from O1 by 33-37deg) Visit 28 = Orient 4 (offset from O1 by -87--83deg) Visit 29 = Orient 1 Visit 30 = Orient 2 Visit 31 = Orient 3												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d) Dec: -46 05 53.93 (-46.09831d) Equinox: J2000					V=25		Reference Frame: ICRS			
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.		Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15				142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12				1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12				1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15				142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1												
	Server Version: 20260618												

Proposal 18346 - SPT0446 - F160W/G141 - O1 (32) - Star formation, nuclear activity and quenching in the most massive clusters at z...

Visit	Proposal 18346, SPT0446 - F160W/G141 - O1 (32), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 112D TO 142 D; ORIENT 292D TO 322 D											
Comments: Visit 32 = Orient 1 (absolute orientation ranges of 112-142deg or 292-322deg)												
Visit 33 = Orient 2 (offset from O1 by 87-90deg)												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d)					V=25		Reference Frame: ICRS		
				Dec: -46 05 53.93 (-46.09831d)								
			Equinox: J2000									
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
							NSAMP=15				[==>]	[1]
	2	G141	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
							NSAMP=12				[==>]	[1]
	3	G141	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
							NSAMP=12				[==>]	[1]
4	F160W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
						NSAMP=15				[==>]	[1]	
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT0446 - F160W/G141 - O2 (33), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 86D TO 90D FROM 32											
Comments: Visit 32 = Orient 1 (absolute orientation ranges of 112-142deg or 292-322deg)												
Visit 33 = Orient 2 (offset from O1 by 87-90deg)												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SPT-CLJ0446-4606	RA: 04 46 55.6367 (71.7318196d)					V=25		Reference Frame: ICRS		
				Dec: -46 05 53.93 (-46.09831d)								
			Equinox: J2000									
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
											[==>]	[1]
	2	G141	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
	3	G141	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
											[==>]	[1]
4	F160W	(2) SPT-CLJ0446-4606	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
										[==>]	[1]	
										NSAMP=15		
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT0459 - F105W/G102 - O1.1 (34), implementation										Fri Aug 28 21:00:34 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 347D TO 17 D; ORIENT 137D TO 257 D; ORIENT 288D TO 317 D										
	Comments: Visit 34 = Orient 1 (absolute orientation ranges of 347-17deg or 137-257deg or 288-317deg) Visit 35 = Orient 2 (offset from O1 by 18-48deg) Visit 36 = Orient 3 (offset from O1 by 101-131deg) Visit 37 = Orient 4 (offset from O1 by -87--57deg) Visit 38 = Orient 1 Visit 39 = Orient 2 Visit 40 = Orient 3 Visit 41 = Orient 4										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(3)	SPT-CLJ0459-4947	RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000					V=25		Reference Frame: ICRS	
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 Unused Orbital Visibility = 18										

Visit	Proposal 18346, SPT0459 - F105W/G102 - O2.1 (35), implementation										Fri Aug 28 21:00:34 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 18D TO 48D FROM 34											
	Comments: Visit 34 = Orient 1 (absolute orientation ranges of 347-17deg or 137-257deg or 288-317deg) Visit 35 = Orient 2 (offset from O1 by 18-48deg) Visit 36 = Orient 3 (offset from O1 by 101-131deg) Visit 37 = Orient 4 (offset from O1 by -87--57deg) Visit 38 = Orient 1 Visit 39 = Orient 2 Visit 40 = Orient 3 Visit 41 = Orient 4											
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SPT-CLJ0459-4947		RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000				V=25		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 The diagram illustrates the orbit structure over a 6000-second period. It shows the timing of various events: GS Acq (Ground Station Acquisition) at approximately 200s, followed by Experiments 1, 2, 3, and 4. Experiment 4 occurs at approximately 2900s, followed by a Reconfig and Occultation period. A shaded region between approximately 1200s and 3700s is labeled 'Unused Orbital Visibility = 18'. The timeline ends at 6000 seconds.											

Visit	Proposal 18346, SPT0459 - F105W/G102 - O3.1 (36), implementation										Fri Aug 28 21:00:35 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 101D TO 131D FROM 34											
	Comments: Visit 34 = Orient 1 (absolute orientation ranges of 347-17deg or 137-257deg or 288-317deg) Visit 35 = Orient 2 (offset from O1 by 18-48deg) Visit 36 = Orient 3 (offset from O1 by 101-131deg) Visit 37 = Orient 4 (offset from O1 by -87--57deg) Visit 38 = Orient 1 Visit 39 = Orient 2 Visit 40 = Orient 3 Visit 41 = Orient 4											
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SPT-CLJ0459-4947		RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000				V=25		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
	2	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	3	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	4	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20260618 050010001500200025003000350040004500500055006000 sec											

Visit	Proposal 18346, SPT0459 - F105W/G102 - O4.1 (37), implementation									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: ORIENT -87D TO -57D FROM 34									
	Comments: Visit 34 = Orient 1 (absolute orientation ranges of 347-17deg or 137-257deg or 288-317deg) Visit 35 = Orient 2 (offset from O1 by 18-48deg) Visit 36 = Orient 3 (offset from O1 by 101-131deg) Visit 37 = Orient 4 (offset from O1 by -87--57deg) Visit 38 = Orient 1 Visit 39 = Orient 2 Visit 40 = Orient 3 Visit 41 = Orient 4									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(3)	SPT-CLJ0459-4947	RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000				V=25		Reference Frame: ICRS	
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]
	2	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]
	3	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]
	4	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 The diagram illustrates the orbit structure over a 6000-second period. Key events are marked with arrows: GS Acq at ~200s, Exp. 1 at ~400s, Exp. 2 at ~500s, Exp. 3 at ~1700s, Exp. 4 at ~2900s, Reconfig at ~3000s, and Occultation at ~3000s. A shaded region from ~2900s to ~3000s is labeled 'Unused Orbital Visibility = 18'. The timeline is marked with ticks every 500 seconds.									

Visit	Proposal 18346, SPT0459 - F105W/G102 - O1.2 (38), implementation										Fri Aug 28 21:00:35 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: SAME ORIENT AS 34											
	Comments: Visit 34 = Orient 1 (absolute orientation ranges of 347-17deg or 137-257deg or 288-317deg) Visit 35 = Orient 2 (offset from O1 by 18-48deg) Visit 36 = Orient 3 (offset from O1 by 101-131deg) Visit 37 = Orient 4 (offset from O1 by -87--57deg) Visit 38 = Orient 1 Visit 39 = Orient 2 Visit 40 = Orient 3 Visit 41 = Orient 4											
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SPT-CLJ0459-4947		RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
	2	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	3	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]	
	4	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]	
Orbit Structure	Orbit 1 Server Version: 20260618 050010001500200025003000350040004500500055006000 sec											

Visit	Proposal 18346, SPT0459 - F105W/G102 - O2.2 (39), implementation										Fri Aug 28 21:00:35 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: SAME ORIENT AS 35											
	Comments: Visit 34 = Orient 1 (absolute orientation ranges of 347-17deg or 137-257deg or 288-317deg) Visit 35 = Orient 2 (offset from O1 by 18-48deg) Visit 36 = Orient 3 (offset from O1 by 101-131deg) Visit 37 = Orient 4 (offset from O1 by -87--57deg) Visit 38 = Orient 1 Visit 39 = Orient 2 Visit 40 = Orient 3 Visit 41 = Orient 4											
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SPT-CLJ0459-4947		RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000				V=25		Reference Frame: ICRS		
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 Exp. 3 Exp. 4 Reconfig Unused Orbital Visibility = 18 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Visit	Proposal 18346, SPT0459 - F105W/G102 - O3.2 (40), implementation										Fri Aug 28 21:00:35 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: SAME ORIENT AS 36										
	Comments: Visit 34 = Orient 1 (absolute orientation ranges of 347-17deg or 137-257deg or 288-317deg) Visit 35 = Orient 2 (offset from O1 by 18-48deg) Visit 36 = Orient 3 (offset from O1 by 101-131deg) Visit 37 = Orient 4 (offset from O1 by -87--57deg) Visit 38 = Orient 1 Visit 39 = Orient 2 Visit 40 = Orient 3 Visit 41 = Orient 4										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SPT-CLJ0459-4947	RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000				V=25		Reference Frame: ICRS		
Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 Exp. 3 Exp. 4 Reconfig Unused Orbital Visibility = 18 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Visit	Proposal 18346, SPT0459 - F105W/G102 - O4.2 (41), implementation									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: SAME ORIENT AS 37									
	Comments: Visit 34 = Orient 1 (absolute orientation ranges of 347-17deg or 137-257deg or 288-317deg) Visit 35 = Orient 2 (offset from O1 by 18-48deg) Visit 36 = Orient 3 (offset from O1 by 101-131deg) Visit 37 = Orient 4 (offset from O1 by -87--57deg) Visit 38 = Orient 1 Visit 39 = Orient 2 Visit 40 = Orient 3 Visit 41 = Orient 4									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(3)	SPT-CLJ0459-4947	RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000				V=25		Reference Frame: ICRS	
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]
	2	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]
	3	G102	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]	[1]
	4	F105W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F105W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 050010001500200025003000350040004500500055006000 sec									

Visit	Proposal 18346, SPT0459 - F160W/G141 - O1 (42), implementation										Fri Aug 28 21:00:35 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR											
	Special Requirements: ORIENT 170D TO 200 D; ORIENT 350D TO 20 D											
Comments: Visit 42 = Orient 1 (absolute orientation rangs of 170-200deg or 350-20deg)												
Visit 43 = Orient 2 (offset from O1 by 138-142deg)												
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	SPT-CLJ0459-4947		RA: 04 59 41.4725 (74.9228021d)				V=25		Reference Frame: ICRS		
					Dec: -49 47 7.54 (-49.78543d)							
Equinox: J2000												
Comments:												
Category=CLUSTER OF GALAXIES												
Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)	
							NSAMP=15				[==>]	[1]
	2	G141	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
							NSAMP=12				[==>]	[1]
	3	G141	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		G141	SAMP-SEQ=SPARS 100;				1102.935844 Secs (1102.936 Secs)	
						NSAMP=12				[==>]	[1]	
4	F160W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024		F160W	SAMP-SEQ=SPARS 10;				142.945773 Secs (142.946 Secs)		
						NSAMP=15				[==>]	[1]	
Orbit Structure	Orbit 1											
	Server Version: 20260618											

Visit	Proposal 18346, SPT0459 - F160W/G141 - O2 (43), implementation										Fri Aug 28 21:00:35 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/IR										
	Special Requirements: ORIENT 138D TO 142D FROM 42 Comments: Visit 42 = Orient 1 (absolute orientation rangs of 170-200deg or 350-20deg) Visit 43 = Orient 2 (offset from O1 by 138-142deg)										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(3)	SPT-CLJ0459-4947	RA: 04 59 41.4725 (74.9228021d) Dec: -49 47 7.54 (-49.78543d) Equinox: J2000					V=25		Reference Frame: ICRS	
	Comments: Category=CLUSTER OF GALAXIES Description=[GRAVITATIONAL LENS, HIGH REDSHIFT CLUSTER, NLR, NUCLEUS, STAR FORMING REGION]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F160W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F160W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
	2	G141	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	3	G141	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=12			1102.935844 Secs (1102.936 Secs) [==>]		[1]
	4	F160W	(3) SPT-CLJ0459-4947	WFC3/IR, MULTIACCUM, GRISM1024	F160W	SAMP-SEQ=SPARS 10; NSAMP=15			142.945773 Secs (142.946 Secs) [==>]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 050010001500200025003000350040004500500055006000 sec										