



# 16187 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Cycle: 28, Proposal Category: GO

(Availability Mode: SUPPORTED)

## INVESTIGATORS

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**VISITS**

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(2) J0910-G	WFC3/IR	2	10-Mar-2022 12:00:23.0	yes
51	(2) J0910-G	WFC3/IR	2	10-Mar-2022 12:00:25.0	yes
02	(2) J0910-G	WFC3/IR	2	10-Mar-2022 12:00:26.0	yes
03	(2) J0910-G	WFC3/IR	2	10-Mar-2022 12:00:28.0	yes
53	(2) J0910-G	WFC3/IR	1	10-Mar-2022 12:00:29.0	yes
04	(2) J0910-G	WFC3/IR	2	10-Mar-2022 12:00:30.0	yes
05	(1) J0910-Q	WFC3/IR	1	10-Mar-2022 12:00:31.0	yes
55	(1) J0910-Q	WFC3/IR	1	10-Mar-2022 12:00:33.0	yes
06	(1) J0910-Q	WFC3/IR	1	10-Mar-2022 12:00:34.0	yes
07	(1) J0910-Q	WFC3/IR	1	10-Mar-2022 12:00:36.0	yes
08	(1) J0910-Q	WFC3/IR	1	10-Mar-2022 12:00:37.0	yes
58	(1) J0910-Q	WFC3/IR	1	10-Mar-2022 12:00:38.0	yes
09	(1) J0910-Q	WFC3/IR	2	10-Mar-2022 12:00:41.0	yes
10	(1) J0910-Q	WFC3/IR	2	10-Mar-2022 12:00:44.0	yes
11	(3) J0910-PSF	WFC3/IR	1	10-Mar-2022 12:00:48.0	yes
61	(3) J0910-PSF	WFC3/IR	1	10-Mar-2022 12:00:51.0	yes

23 Total Orbits Used

**ABSTRACT**

Theoretical models predict luminous quasars should reside in the most massive dark matter halos acting as signposts for large overdensities of galaxies in the young Universe. But despite two decades of searching, proto-clusters traced by quasars have not yet been uncovered in the epoch of reionization (EoR). Recent ALMA/JCMT sub-mm observations and Subaru narrow/broad band imaging of a luminous quasar at  $z=6.63$  have revealed a spectacular overdensity of [CII] emitters, sub-mm galaxies (SMGs), and Lyman alpha emitters (LAEs), suggesting that it is the the most distant known proto-cluster harboring quasar activity, and the first such system discovered in the EoR. With two HST pointings we will map the inner region of this large scale structure, covering the quasar, six [CII] emitters, two LAEs, and seven SMGs. The high-resolution WFC3 images will

measure the spectral energy distribution and the sizes of these galaxies, and resolve two putative galaxy merger systems. It will also enable accurate PSF subtraction to study the assembly of the massive and very large ( $>1$  arcsec, from ALMA) quasar host galaxy. On larger scales, the combination of HST and Subaru deep imaging will identify more than 20 Lyman-break galaxies (LBGs) at  $z\sim 6.6$ , and reveal the distribution of star forming galaxies. These rest-frame UV HST observations will trace the unobscured star formation, highly complimentary to the dust and gas emission traced by ALMA and JCMT. In addition, our proposed observations provide data essential for planning future JWST NIRSpec/MSA and IFU observations of this unique system to understand galaxy formation and evolution in the densest environments in the EoR.

## **OBSERVING DESCRIPTION**

This program aims at observing a protocluster at  $z=6.63$  with HST/WFC3 in two bands, F125W and F160W. We will perform two main pointings, one centered at the central quasar position, the other centered at a galaxy merger system. Each pointing has 8 primary orbits. In addition, we will observe a PSF star with one orbit in order to get an accurate PSF model for studying the quasar host galaxy. We requires some specific orientation range which does not reduce the visibility too much but significantly increase the number of galaxies covered by our HST observations. We also requires the orientation of PSF observations to be similar with the quasar pointing.

### 1. Mosaic centered at the galaxy merger system

Visit 01, 02, 03, 04

We use 8 primary orbits (2x2 mosaicing) for this pointing to get deep imaging in F125W and F160W bands. The goal of this pointing is to detect the rest-frame UV emission from the galaxy merger system and other sub-milliter galaxies in the field. Each visit includes one orbit F125W imaging and one orbit F160W imaging observations. The galaxy merger system will be covered in all four mosaicing positions and thus will be in the deepest region of the final mosaiced image.

### 2. Mosaic centered at the quasar position

Visit 05, 06, 07, 08

We use 4 primary orbits (2x2 mosaicing) for this pointing to get deep imaging in F125W and F160W bands. The goal of this pointing is to detect the

rest-frame UV emission from sub-millimeter galaxies in the vicinity of the quasar. Each visit includes one orbit shared by F125W and F160W imaging. The quasar will be covered in all four mosaicing positions and thus will be in the deepest region of the final mosaiced image. Different from the first mosaicing, we use shorter individual exposure to avoid saturating the central quasar. This observation will also be used for quasar host galaxy detection as detailed below. The orientation of this mosaic will be constrained to be similar ( $\pm 5$  degrees) with visit 09 (see below).

3. Single pointing centered at the quasar position.

Visit 09, 10

This pointing (4 primary orbits) aims at detecting the host galaxy of the central quasar which requires accurate PSF modeling. In order to minimize the thermal variation effects on the PSF model due to the orbital day/night cycle, we constructed our orbits to ensure that we fully sample each orbit in two bands. In order to accurately model the PSF, we will also observe one PSF star in these two bands with one orbit. The PSF star observation will also be observed in the same manner to minimize the thermal variation caused by the orbital day/night cycle. In addition, to minimize thermal variations due to spacecraft attitude, we request to observe our PSF star to be within five degrees in the orientation of the quasar observations. We also require that the quasar and PSF star observations to be collected in contiguous orbits. We further request that our observations should be scheduled immediately following another observation near the same celestial coordinates, thus minimizing thermal equilibration time in our first visit.

4. Single pointing centered at a PSF star

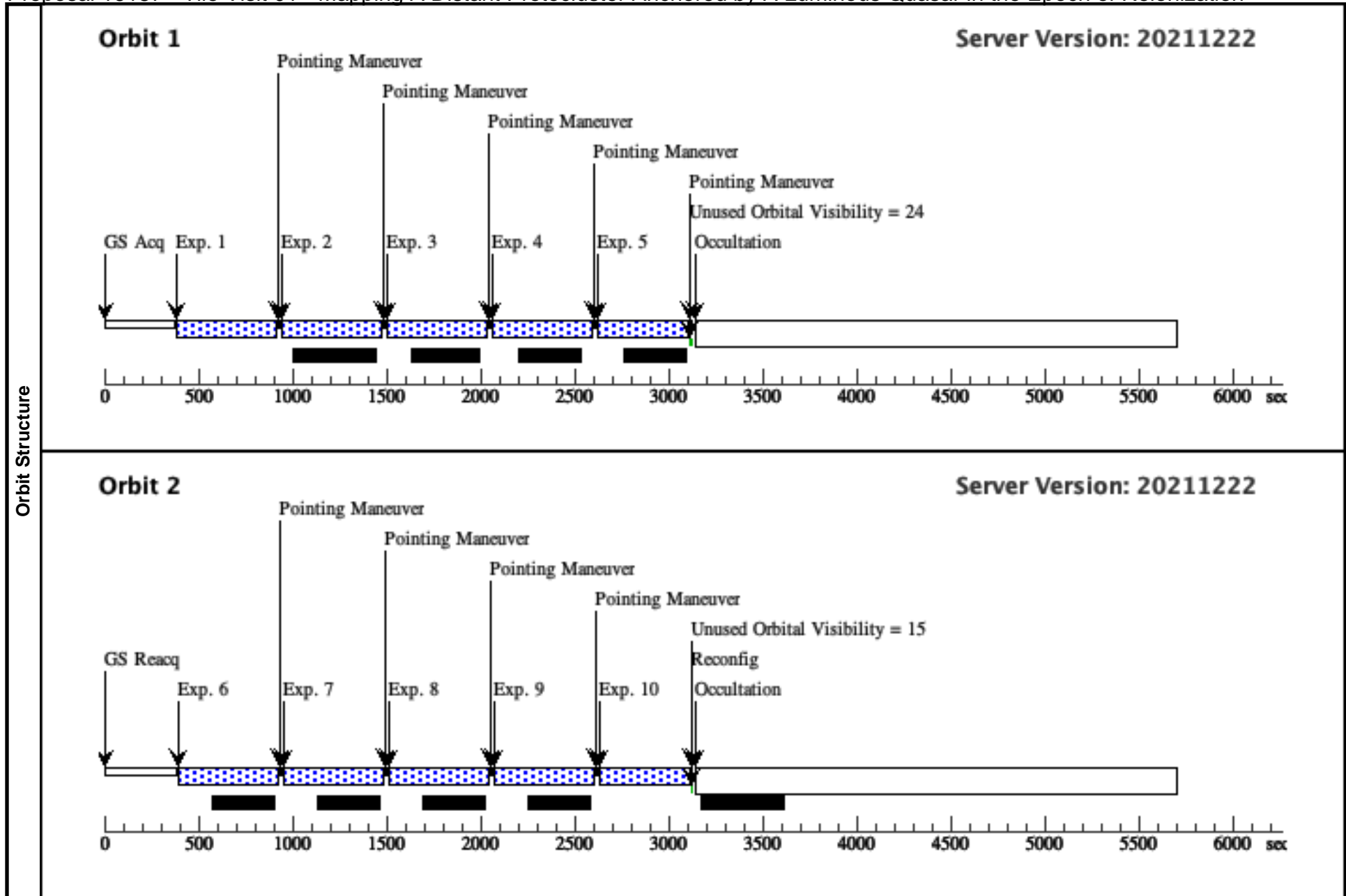
Visit 11

The observation closely following Visit 09 and 10 but with much shorter individual exposures to avoid saturation. We use the subarray for the PSF observations.

Proposal 16187 - Tile Visit 01 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:52 GMT 2022

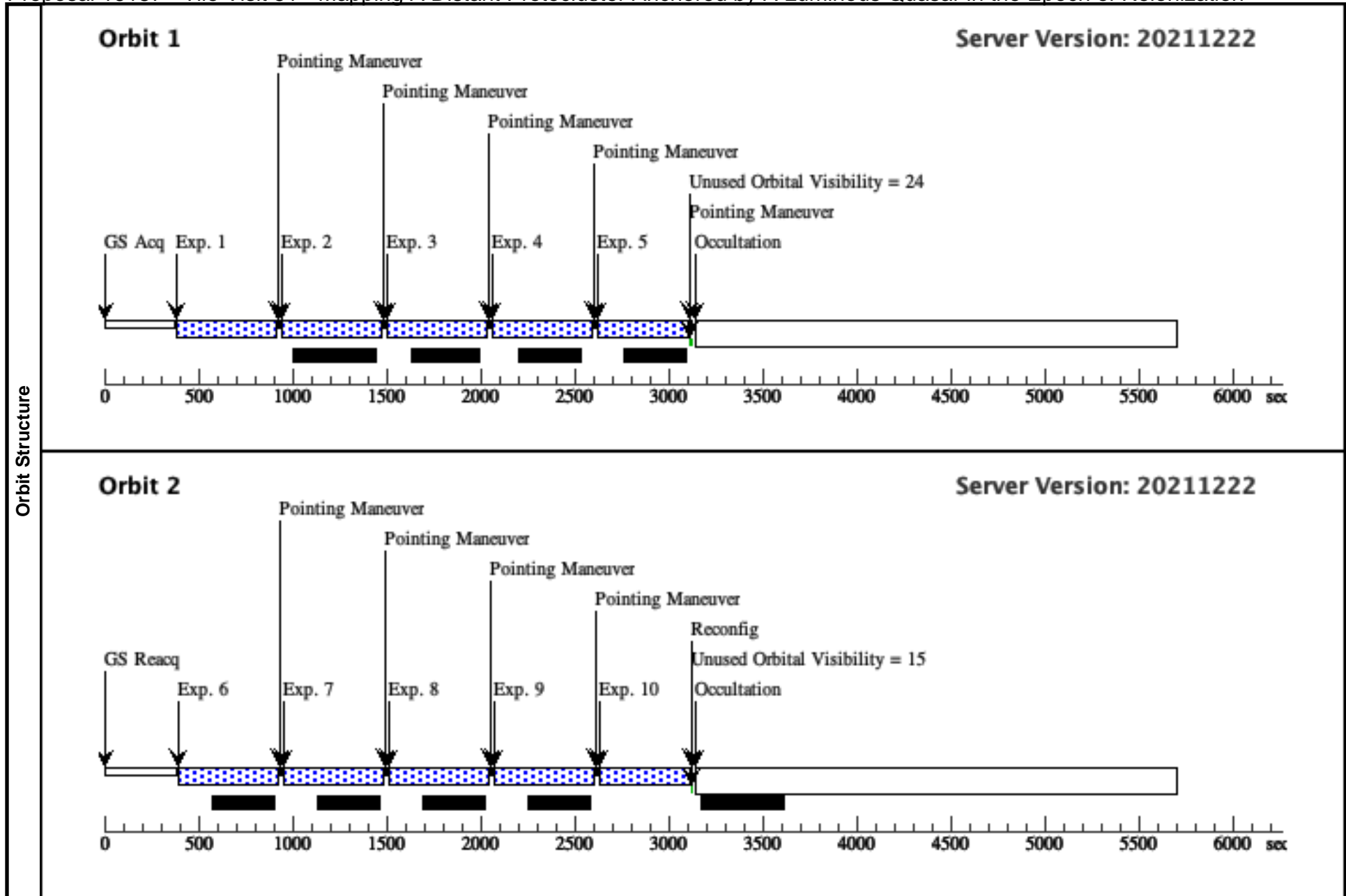
Visit	<b>Proposal 16187, Tile Visit 01, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 25D TO 65 D; ORIENT 205D TO 245 D; ORIENT 115D TO 155 D; ORIENT 295D TO 335 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	J0910-G	RA: 09 10 40.9330 (137.6705542d) Dec: -04 14 18.14 (-4.23837d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ULTRALUMINOUS IR GAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -61.176 016000000004,-54.1 40812000000004	Sequence 1-5 Non-Int in Tile Visit 01	499.234285 Secs (499.234 Secs)	[==>]	[1]
	2	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.877 016000000005,-54.0 91812000000004	Sequence 1-5 Non-Int in Tile Visit 01	499.234285 Secs (499.234 Secs)	[==>]	[1]
	3	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.577 016000000001,-54.04 3812	Sequence 1-5 Non-Int in Tile Visit 01	499.234285 Secs (499.234 Secs)	[==>]	[1]
	4	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.957 016,-53.873812	Sequence 1-5 Non-Int in Tile Visit 01	499.234285 Secs (499.234 Secs)	[==>]	[1]
	5	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG -60.658 016,-53.824812	Sequence 1-5 Non-Int in Tile Visit 01	449.233834 Secs (449.234 Secs)	[==>]	[1]
	6	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -61.176 016000000004,-54.1 40812000000004	Sequence 6-10 Non-Int in Tile Visit 01	499.234285 Secs (499.234 Secs)	[==>]	[2]
	7	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.877 016000000005,-54.0 91812000000004	Sequence 6-10 Non-Int in Tile Visit 01	499.234285 Secs (499.234 Secs)	[==>]	[2]
	8	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.577 016000000001,-54.04 3812	Sequence 6-10 Non-Int in Tile Visit 01	499.234285 Secs (499.234 Secs)	[==>]	[2]
	9	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.957 016,-53.873812	Sequence 6-10 Non-Int in Tile Visit 01	499.234285 Secs (499.234 Secs)	[==>]	[2]
10	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG -60.658 016,-53.824812	Sequence 6-10 Non-Int in Tile Visit 01	449.233834 Secs (449.234 Secs)	[==>]	[2]	



# Proposal 16187 - Tile Visit 51 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:52 GMT 2022

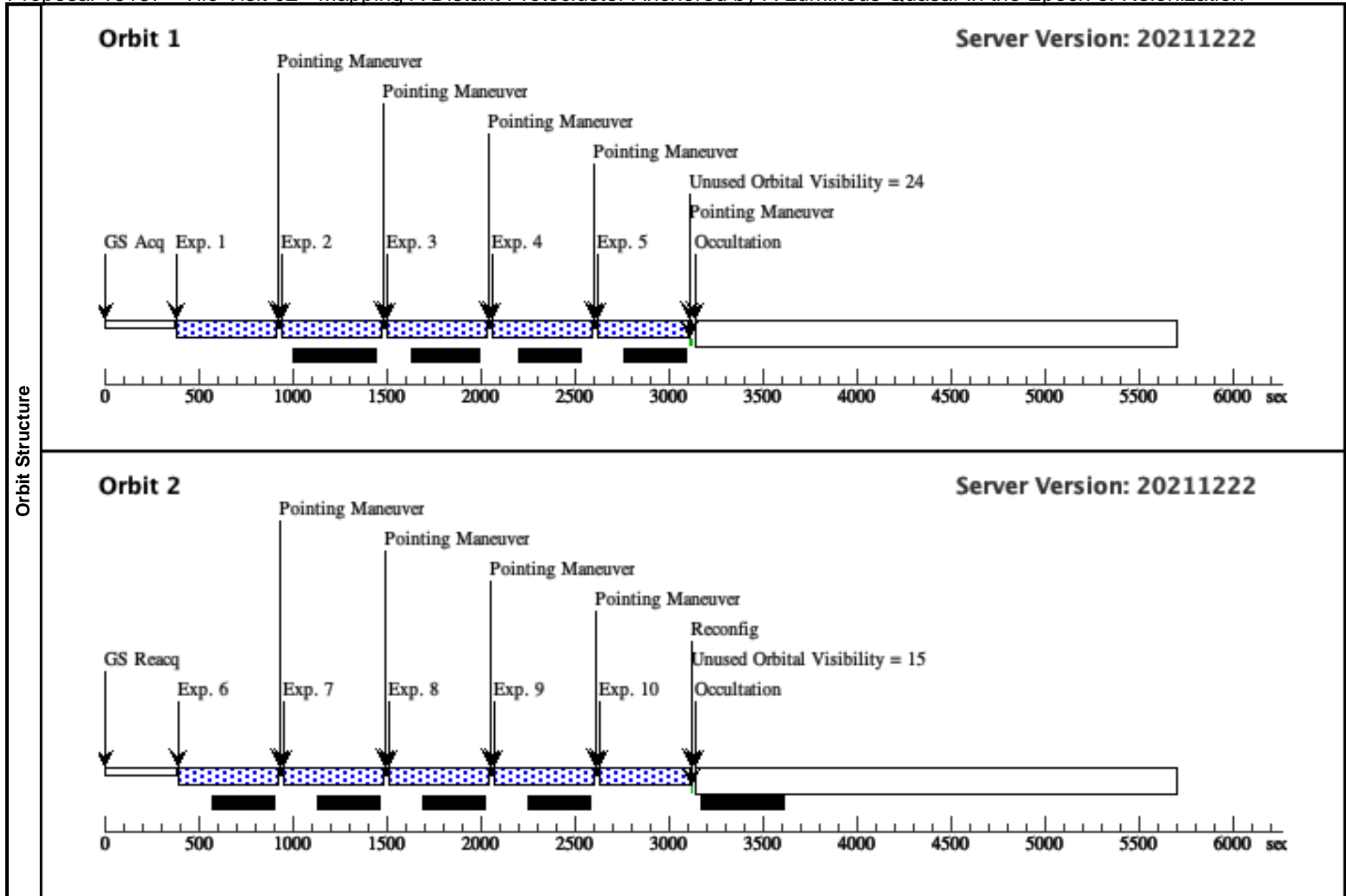
Visit	Proposal 16187, Tile Visit 51					Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/IR					Special Requirements: ORIENT -20D TO 20D FROM 02				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	J0910-G	RA: 09 10 40.9330 (137.6705542d) Dec: -04 14 18.14 (-4.23837d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[ULTRALUMINOUS IR GAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -61.176 016000000004,-54.1 40812000000004	Sequence 1-5 Non-Int in Tile Visit 51	499.234285 Secs (499.234 Secs) [==>]	[1]
	2	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.877 016000000005,-54.0 91812000000004	Sequence 1-5 Non-Int in Tile Visit 51	499.234285 Secs (499.234 Secs) [==>]	[1]
	3	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.577 016000000001,-54.04 3812	Sequence 1-5 Non-Int in Tile Visit 51	499.234285 Secs (499.234 Secs) [==>]	[1]
	4	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.957 016,-53.873812	Sequence 1-5 Non-Int in Tile Visit 51	499.234285 Secs (499.234 Secs) [==>]	[1]
	5	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG -60.658 016,-53.824812	Sequence 1-5 Non-Int in Tile Visit 51	449.233834 Secs (449.234 Secs) [==>]	[1]
	6	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -61.176 016000000004,-54.1 40812000000004	Sequence 6-10 Non-Int in Tile Visit 51	499.234285 Secs (499.234 Secs) [==>]	[2]
	7	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.877 016000000005,-54.0 91812000000004	Sequence 6-10 Non-Int in Tile Visit 51	499.234285 Secs (499.234 Secs) [==>]	[2]
	8	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.577 016000000001,-54.04 3812	Sequence 6-10 Non-Int in Tile Visit 51	499.234285 Secs (499.234 Secs) [==>]	[2]
	9	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.957 016,-53.873812	Sequence 6-10 Non-Int in Tile Visit 51	499.234285 Secs (499.234 Secs) [==>]	[2]
10	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG -60.658 016,-53.824812	Sequence 6-10 Non-Int in Tile Visit 51	449.233834 Secs (449.234 Secs) [==>]	[2]	



Proposal 16187 - Tile Visit 02 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

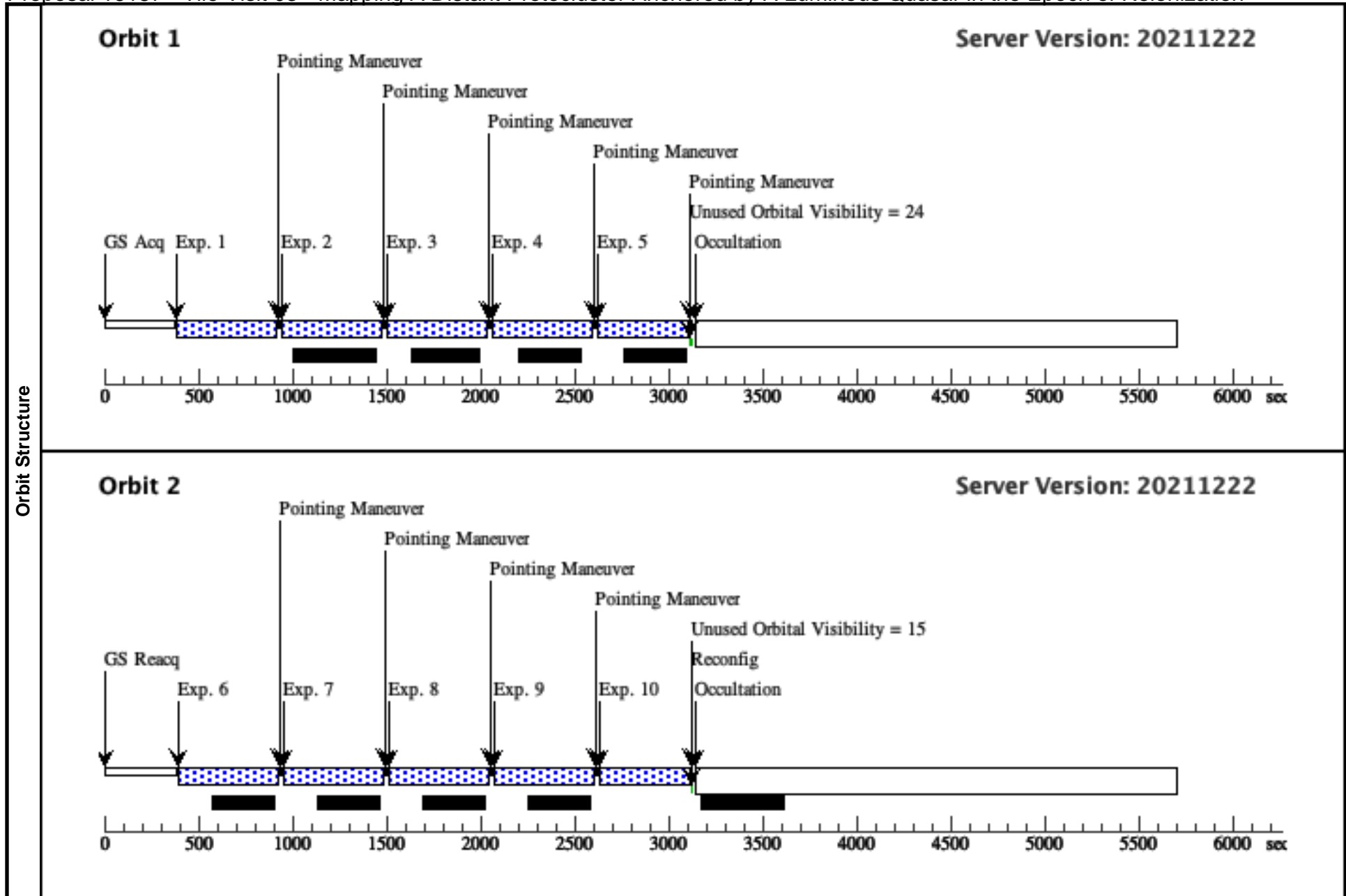
Visit	<b>Proposal 16187, Tile Visit 02, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	J0910-G	RA: 09 10 40.9330 (137.6705542d) Dec: -04 14 18.14 (-4.23837d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[ULTRALUMINOUS IR GAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.1760 16000000004,-54.14 0812000000004	Sequence 1-5 Non-Int in Tile Visit 02	499.234285 Secs (499.234 Secs) [==>]	[1]
	2	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.4750 16000000004,-54.09 1812000000004	Sequence 1-5 Non-Int in Tile Visit 02	499.234285 Secs (499.234 Secs) [==>]	[1]
	3	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.7750 16,-54.043812	Sequence 1-5 Non-Int in Tile Visit 02	499.234285 Secs (499.234 Secs) [==>]	[1]
	4	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.3950 16000000005,-53.87 3812	Sequence 1-5 Non-Int in Tile Visit 02	499.234285 Secs (499.234 Secs) [==>]	[1]
	5	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 61.6940 16000000005,-53.82 4812	Sequence 1-5 Non-Int in Tile Visit 02	449.233834 Secs (449.234 Secs) [==>]	[1]
	6	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.1760 16000000004,-54.14 0812000000004	Sequence 6-10 Non-Int in Tile Visit 02	499.234285 Secs (499.234 Secs) [==>]	[2]
	7	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.4750 16000000004,-54.09 1812000000004	Sequence 6-10 Non-Int in Tile Visit 02	499.234285 Secs (499.234 Secs) [==>]	[2]
	8	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.7750 16,-54.043812	Sequence 6-10 Non-Int in Tile Visit 02	499.234285 Secs (499.234 Secs) [==>]	[2]
	9	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.3950 16000000005,-53.87 3812	Sequence 6-10 Non-Int in Tile Visit 02	499.234285 Secs (499.234 Secs) [==>]	[2]
10	(2) J0910-G		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 61.6940 16000000005,-53.82 4812	Sequence 6-10 Non-Int in Tile Visit 02	449.233834 Secs (449.234 Secs) [==>]	[2]	



Proposal 16187 - Tile Visit 03 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

Visit	<b>Proposal 16187, Tile Visit 03, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	J0910-G	RA: 09 10 40.9330 (137.6705542d) Dec: -04 14 18.14 (-4.23837d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ULTRALUMINOUS IR GAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -61.176 016000000004,54.14 0812000000004	Sequence 1-5 Non-Int in Tile Visit 03	499.234285 Secs (499.234 Secs)	[==>]	[1]
	2	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.877 016000000005,54.18 9812	Sequence 1-5 Non-Int in Tile Visit 03	499.234285 Secs (499.234 Secs)	[==>]	[1]
	3	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.577 016000000001,54.237 812000000005	Sequence 1-5 Non-Int in Tile Visit 03	499.234285 Secs (499.234 Secs)	[==>]	[1]
	4	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.957 016,54.40781200000 001	Sequence 1-5 Non-Int in Tile Visit 03	499.234285 Secs (499.234 Secs)	[==>]	[1]
	5	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG -60.658 016,54.45681200000 0006	Sequence 1-5 Non-Int in Tile Visit 03	449.233834 Secs (449.234 Secs)	[==>]	[1]
	6	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -61.176 016000000004,54.14 0812000000004	Sequence 6-10 Non-Int in Tile Visit 03	499.234285 Secs (499.234 Secs)	[==>]	[2]
	7	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.877 016000000005,54.18 9812	Sequence 6-10 Non-Int in Tile Visit 03	499.234285 Secs (499.234 Secs)	[==>]	[2]
	8	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.577 016000000001,54.237 812000000005	Sequence 6-10 Non-Int in Tile Visit 03	499.234285 Secs (499.234 Secs)	[==>]	[2]
	9	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.957 016,54.40781200000 001	Sequence 6-10 Non-Int in Tile Visit 03	499.234285 Secs (499.234 Secs)	[==>]	[2]
10	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG -60.658 016,54.45681200000 0006	Sequence 6-10 Non-Int in Tile Visit 03	449.233834 Secs (449.234 Secs)	[==>]	[2]	



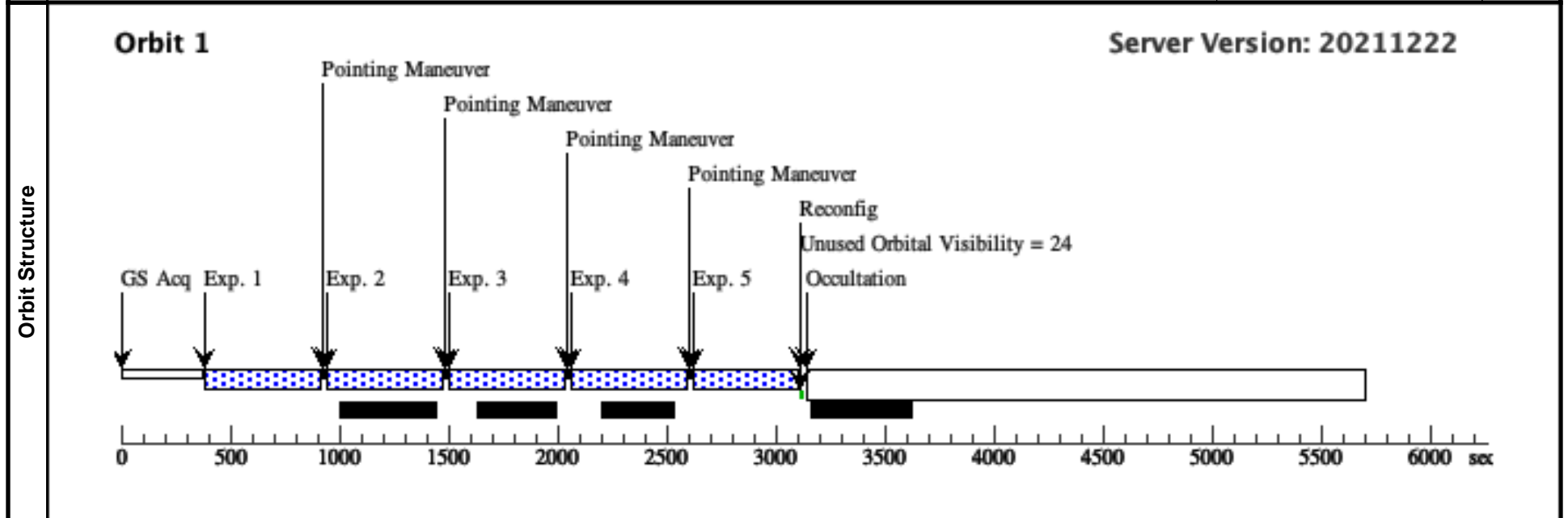
Proposal 16187 - Tile Visit 53 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

<b>Visit</b>	Proposal 16187, Tile Visit 53, completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/IR				
	Special Requirements: SAME ORIENT AS 01				

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	J0910-G	RA: 09 10 40.9330 (137.6705542d) Dec: -04 14 18.14 (-4.23837d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS
	<i>Comments:</i>					
	Category=GALAXY Description=[ULTRALUMINOUS IR GAL]					

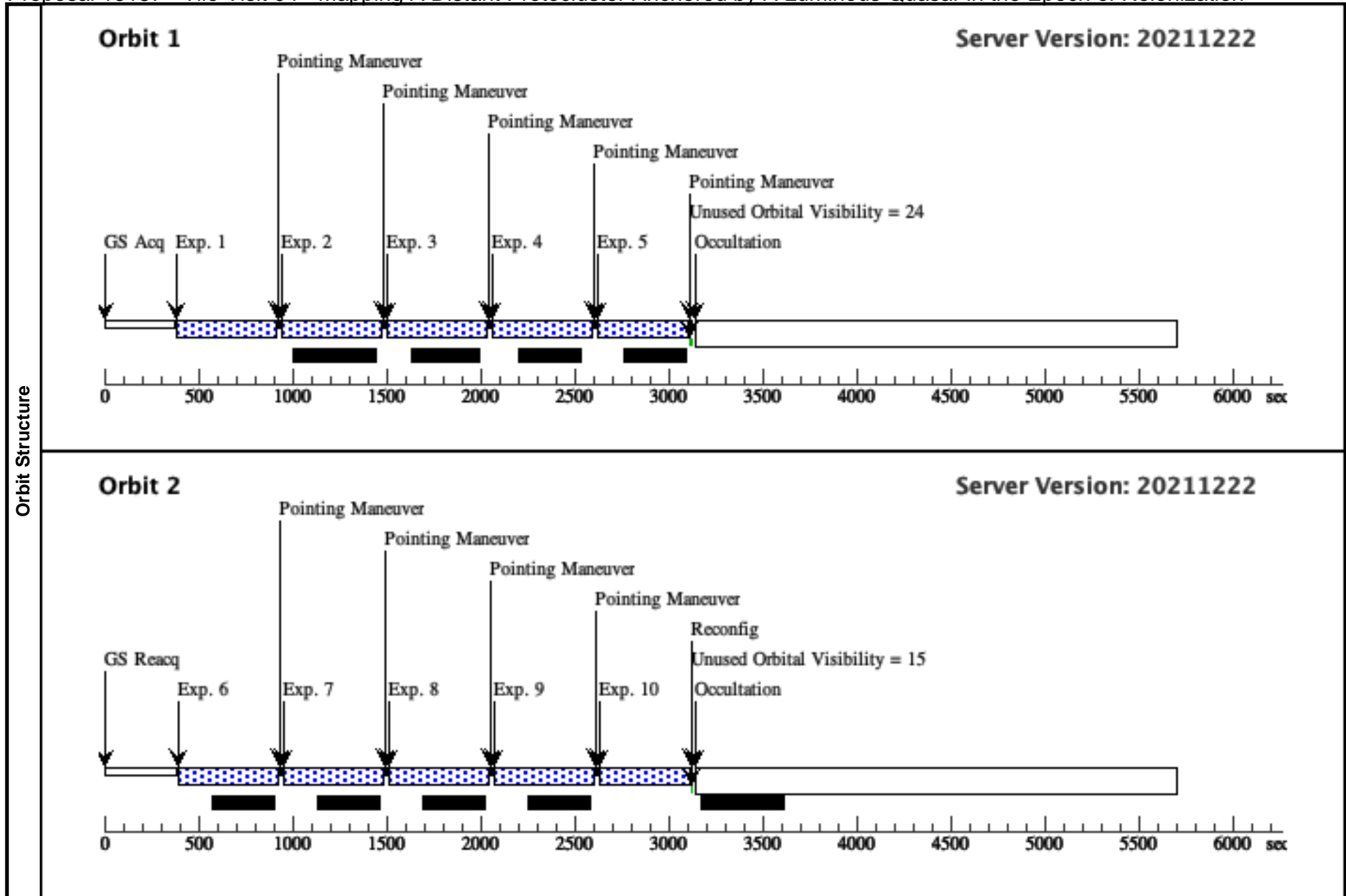
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -61.176 016000000004,54.14 0812000000004	Sequence 1-5 Non-In t in Tile Visit 53	499.234285 Secs (499.234 Secs) [==>]	[1]
	2	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.877 016000000005,54.18 9812	Sequence 1-5 Non-In t in Tile Visit 53	499.234285 Secs (499.234 Secs) [==>]	[1]
	3	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.577 016000000001,54.237 812000000005	Sequence 1-5 Non-In t in Tile Visit 53	499.234285 Secs (499.234 Secs) [==>]	[1]
	4	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG -60.957 016,54.40781200000 001	Sequence 1-5 Non-In t in Tile Visit 53	499.234285 Secs (499.234 Secs) [==>]	[1]
	5	(2) J0910-G	J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG -60.658 016,54.45681200000 0006	Sequence 1-5 Non-In t in Tile Visit 53	449.233834 Secs (449.234 Secs) [==>]	[1]



# Proposal 16187 - Tile Visit 04 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

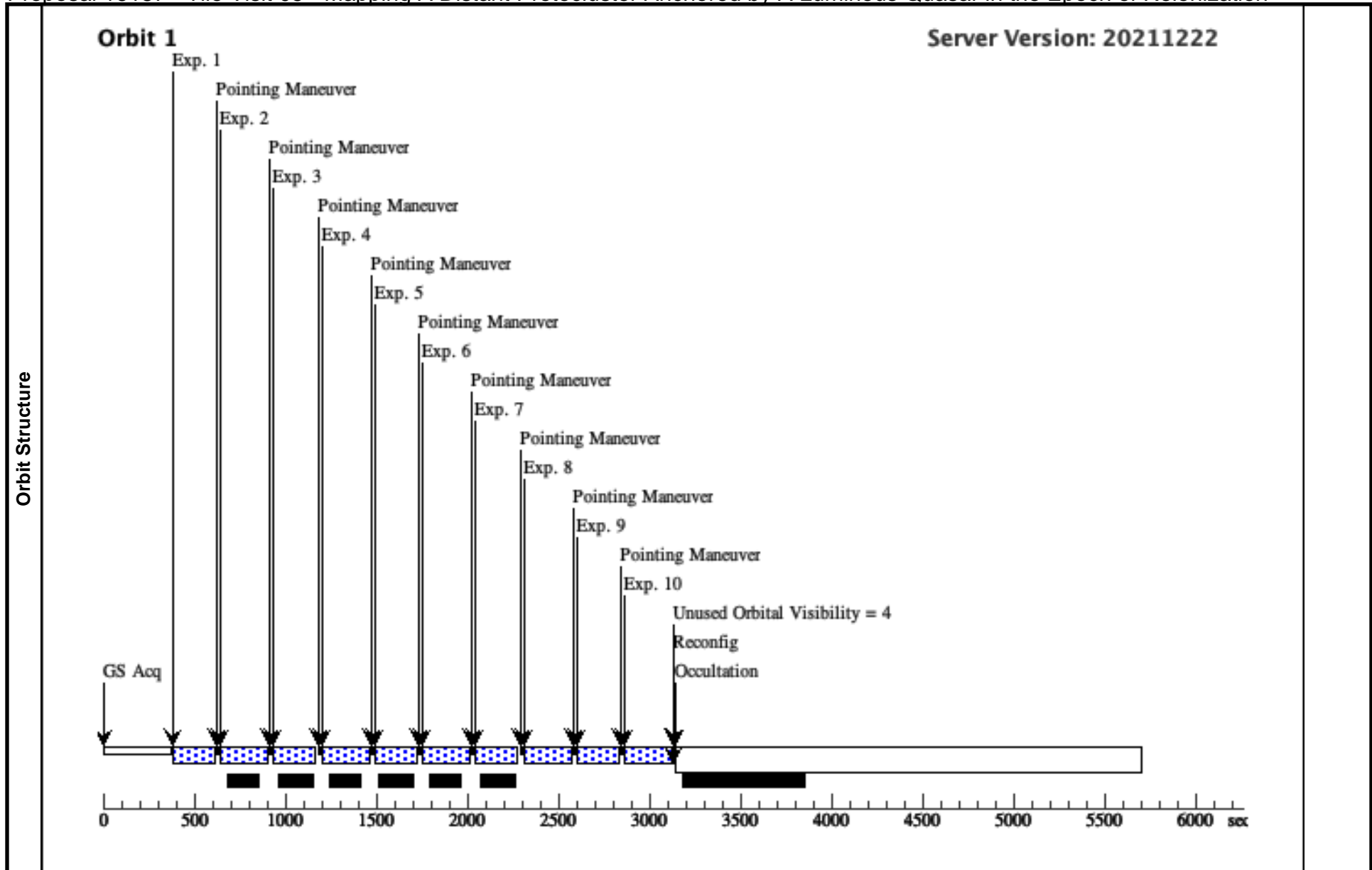
Visit	<b>Proposal 16187, Tile Visit 04, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	J0910-G	RA: 09 10 40.9330 (137.6705542d) Dec: -04 14 18.14 (-4.23837d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[ULTRALUMINOUS IR GAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.1760 16000000004,54.140 812000000004	Sequence 1-5 Non-Int in Tile Visit 04	499.234285 Secs (499.234 Secs)	[==>]	[1]
	2	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.4750 16000000004,54.189 812	Sequence 1-5 Non-Int in Tile Visit 04	499.234285 Secs (499.234 Secs)	[==>]	[1]
	3	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.7750 16,54.237812000000 005	Sequence 1-5 Non-Int in Tile Visit 04	499.234285 Secs (499.234 Secs)	[==>]	[1]
	4	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.3950 16000000005,54.407 812000000001	Sequence 1-5 Non-Int in Tile Visit 04	499.234285 Secs (499.234 Secs)	[==>]	[1]
	5	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 61.6940 16000000005,54.456 812000000006	Sequence 1-5 Non-Int in Tile Visit 04	449.233834 Secs (449.234 Secs)	[==>]	[1]
	6	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.1760 16000000004,54.140 812000000004	Sequence 6-10 Non-Int in Tile Visit 04	499.234285 Secs (499.234 Secs)	[==>]	[2]
	7	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.4750 16000000004,54.189 812	Sequence 6-10 Non-Int in Tile Visit 04	499.234285 Secs (499.234 Secs)	[==>]	[2]
	8	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.7750 16,54.237812000000 005	Sequence 6-10 Non-Int in Tile Visit 04	499.234285 Secs (499.234 Secs)	[==>]	[2]
	9	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=15	POS TARG 61.3950 16000000005,54.407 812000000001	Sequence 6-10 Non-Int in Tile Visit 04	499.234285 Secs (499.234 Secs)	[==>]	[2]
10	(2) J0910-G	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP5 0; NSAMP=14	POS TARG 61.6940 16000000005,54.456 812000000006	Sequence 6-10 Non-Int in Tile Visit 04	449.233834 Secs (449.234 Secs)	[==>]	[2]	



Proposal 16187 - Tile Visit 05 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

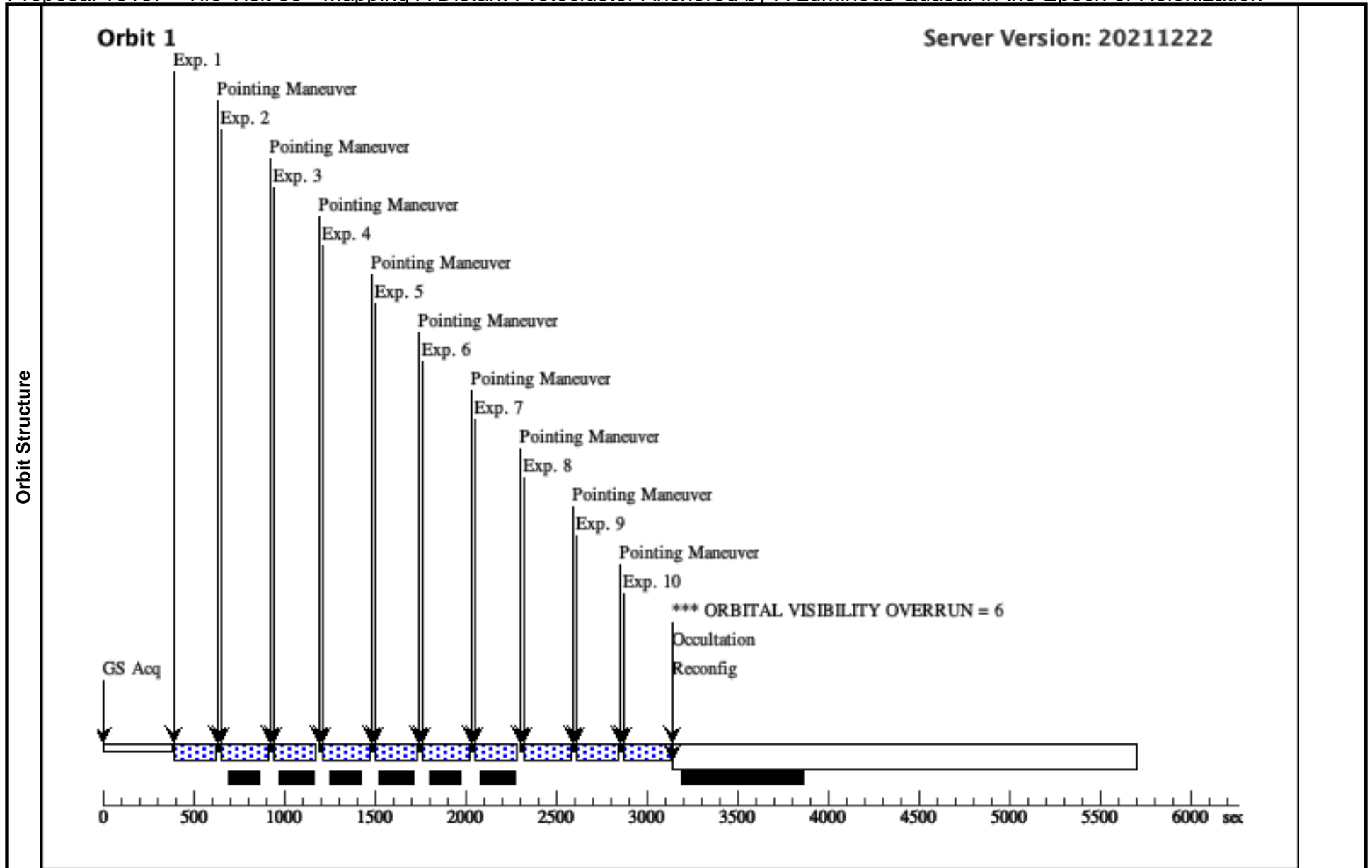
Visit	<b>Proposal 16187, Tile Visit 05, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT -5D TO 5D FROM 09									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[QUASAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -61.176 016000000004,-54.1 40812000000004	Sequence 1-10 Non-I nt in Tile Visit 05	202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.577 016000000001,-54.0 3812	Sequence 1-10 Non-I nt in Tile Visit 05	227.936926 Secs (227.937 Secs) [==>]	[1]
	3	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.877 016000000005,-54.0 91812000000004	Sequence 1-10 Non-I nt in Tile Visit 05	202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.957 016,-53.873812	Sequence 1-10 Non-I nt in Tile Visit 05	227.936926 Secs (227.937 Secs) [==>]	[1]
	5	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.577 016000000001,-54.0 3812	Sequence 1-10 Non-I nt in Tile Visit 05	202.934095 Secs (202.934 Secs) [==>]	[1]
	6	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.658 016,-53.824812	Sequence 1-10 Non-I nt in Tile Visit 05	227.936926 Secs (227.937 Secs) [==>]	[1]
	7	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.957 016,-53.873812	Sequence 1-10 Non-I nt in Tile Visit 05	202.934095 Secs (202.934 Secs) [==>]	[1]
	8	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -61.176 016000000004,-54.1 40812000000004	Sequence 1-10 Non-I nt in Tile Visit 05	227.936926 Secs (227.937 Secs) [==>]	[1]
	9	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.658 016,-53.824812	Sequence 1-10 Non-I nt in Tile Visit 05	202.934095 Secs (202.934 Secs) [==>]	[1]
10	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.877 016000000005,-54.0 91812000000004	Sequence 1-10 Non-I nt in Tile Visit 05	227.936926 Secs (227.937 Secs) [==>]	[1]	



Proposal 16187 - Tile Visit 55 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

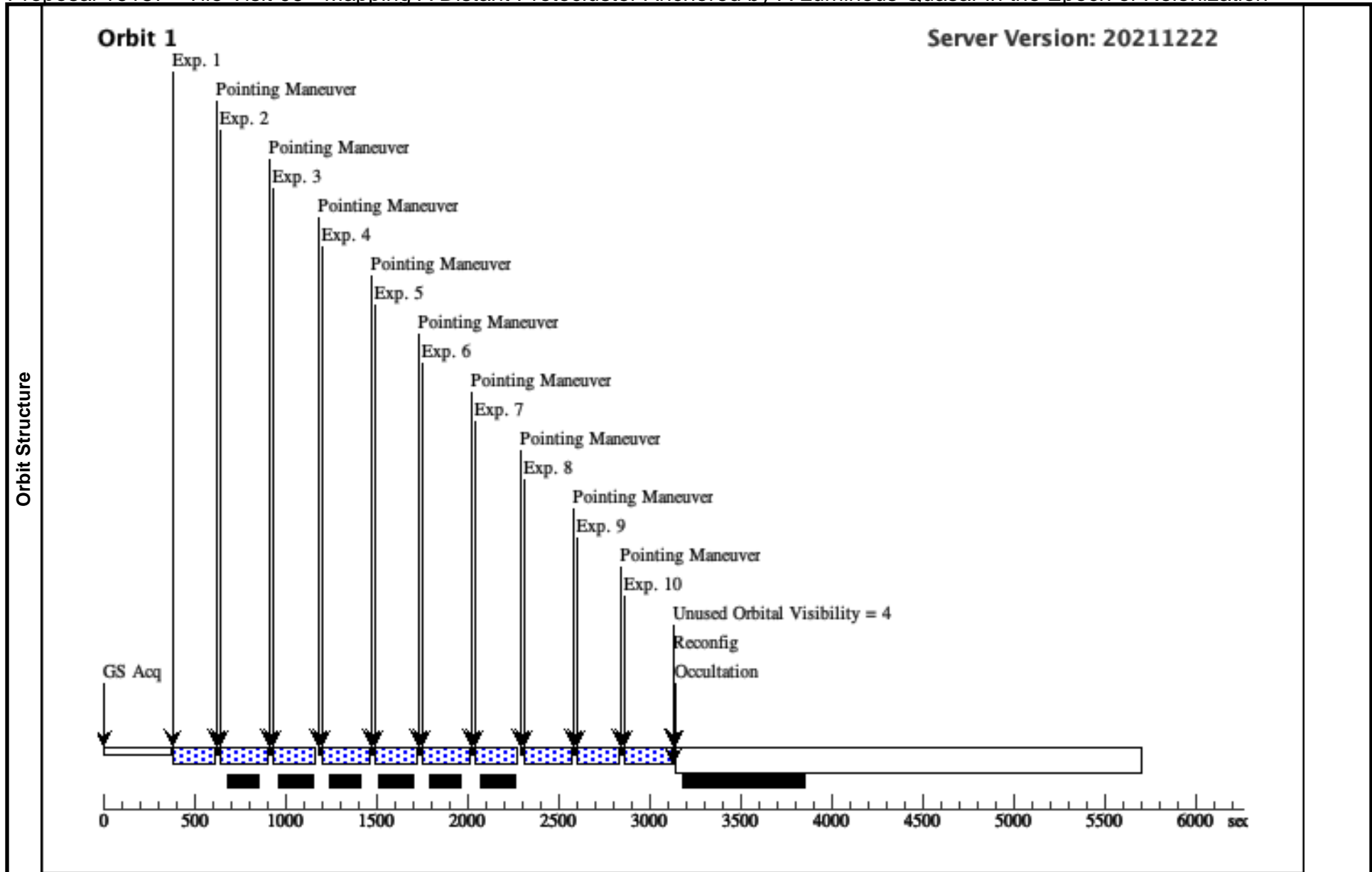
<b>Visit</b>	Proposal 16187, Tile Visit 55, completed <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT -5D TO 5D FROM 09									
	(Tile Visit 55) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[QUASAR]										
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -61.176 016000000004,-54.1 40812000000004; GS ACQ SCENARI O BASE1BE	Sequence 1-10 Non-I nt in Tile Visit 55	202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.577 016000000001,-54.04 3812	Sequence 1-10 Non-I nt in Tile Visit 55	227.936926 Secs (227.937 Secs) [==>]	[1]
	3	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.877 016000000005,-54.0 91812000000004	Sequence 1-10 Non-I nt in Tile Visit 55	202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.957 016,-53.873812	Sequence 1-10 Non-I nt in Tile Visit 55	227.936926 Secs (227.937 Secs) [==>]	[1]
	5	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.577 016000000001,-54.04 3812	Sequence 1-10 Non-I nt in Tile Visit 55	202.934095 Secs (202.934 Secs) [==>]	[1]
	6	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.658 016,-53.824812	Sequence 1-10 Non-I nt in Tile Visit 55	227.936926 Secs (227.937 Secs) [==>]	[1]
	7	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.957 016,-53.873812	Sequence 1-10 Non-I nt in Tile Visit 55	202.934095 Secs (202.934 Secs) [==>]	[1]
	8	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -61.176 016000000004,-54.1 40812000000004	Sequence 1-10 Non-I nt in Tile Visit 55	227.936926 Secs (227.937 Secs) [==>]	[1]
	9	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.658 016,-53.824812	Sequence 1-10 Non-I nt in Tile Visit 55	202.934095 Secs (202.934 Secs) [==>]	[1]
10	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.877 016000000005,-54.0 91812000000004	Sequence 1-10 Non-I nt in Tile Visit 55	227.936926 Secs (227.937 Secs) [==>]	[1]	



Proposal 16187 - Tile Visit 06 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

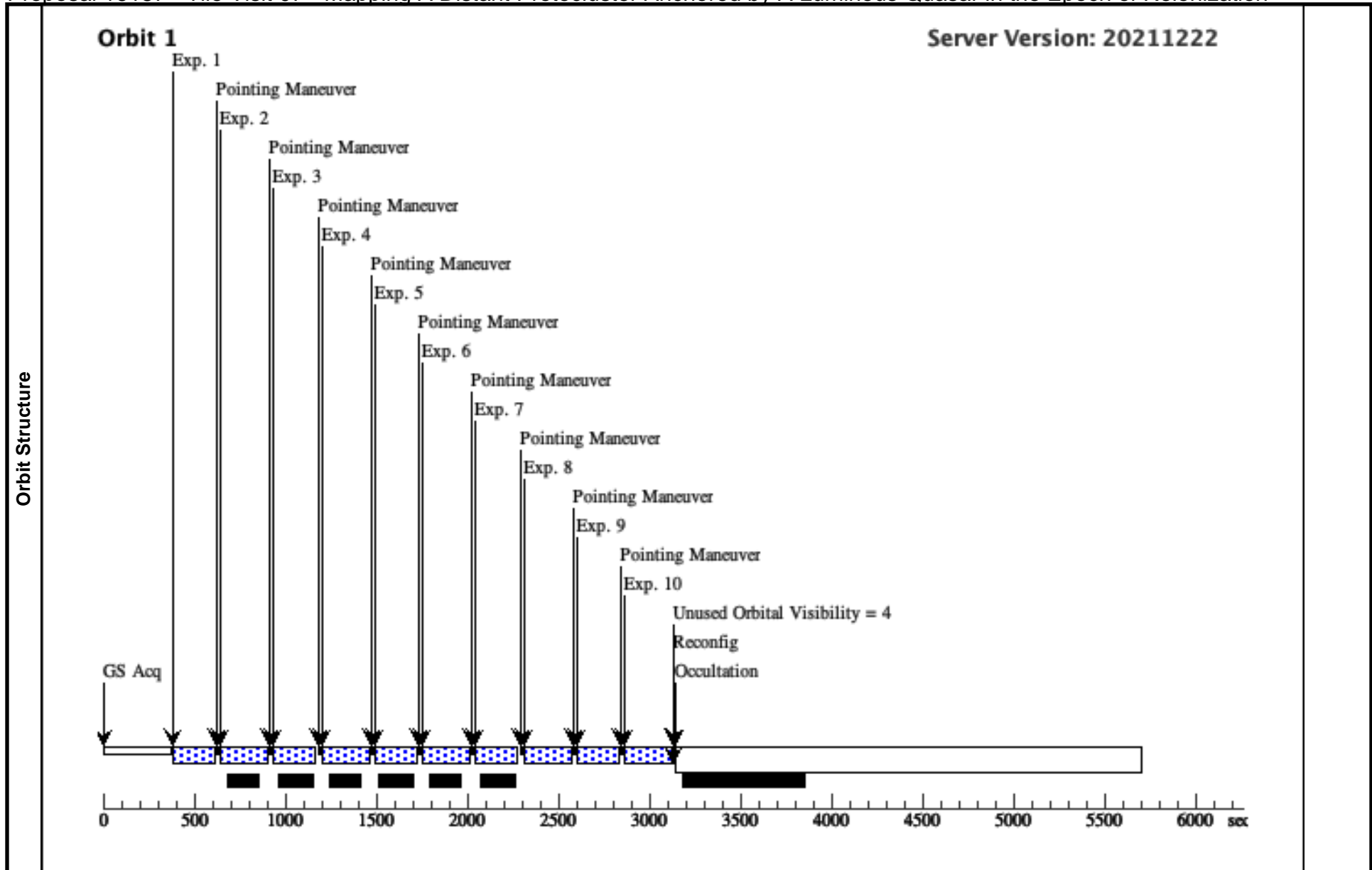
Visit	<b>Proposal 16187, Tile Visit 06, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 05									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[QUASAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.1760 16000000004,-54.14 0812000000004	Sequence 1-10 Non-I nt in Tile Visit 06	202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.7750 16,-54.043812	Sequence 1-10 Non-I nt in Tile Visit 06	227.936926 Secs (227.937 Secs) [==>]	[1]
	3	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.4750 16000000004,-54.09 1812000000004	Sequence 1-10 Non-I nt in Tile Visit 06	202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.3950 16000000005,-53.87 3812	Sequence 1-10 Non-I nt in Tile Visit 06	227.936926 Secs (227.937 Secs) [==>]	[1]
	5	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.7750 16,-54.043812	Sequence 1-10 Non-I nt in Tile Visit 06	202.934095 Secs (202.934 Secs) [==>]	[1]
	6	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.6940 16000000005,-53.82 4812	Sequence 1-10 Non-I nt in Tile Visit 06	227.936926 Secs (227.937 Secs) [==>]	[1]
	7	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.3950 16000000005,-53.87 3812	Sequence 1-10 Non-I nt in Tile Visit 06	202.934095 Secs (202.934 Secs) [==>]	[1]
	8	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.1760 16000000004,-54.14 0812000000004	Sequence 1-10 Non-I nt in Tile Visit 06	227.936926 Secs (227.937 Secs) [==>]	[1]
	9	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.6940 16000000005,-53.82 4812	Sequence 1-10 Non-I nt in Tile Visit 06	202.934095 Secs (202.934 Secs) [==>]	[1]
10	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.4750 16000000004,-54.09 1812000000004	Sequence 1-10 Non-I nt in Tile Visit 06	227.936926 Secs (227.937 Secs) [==>]	[1]	



Proposal 16187 - Tile Visit 07 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

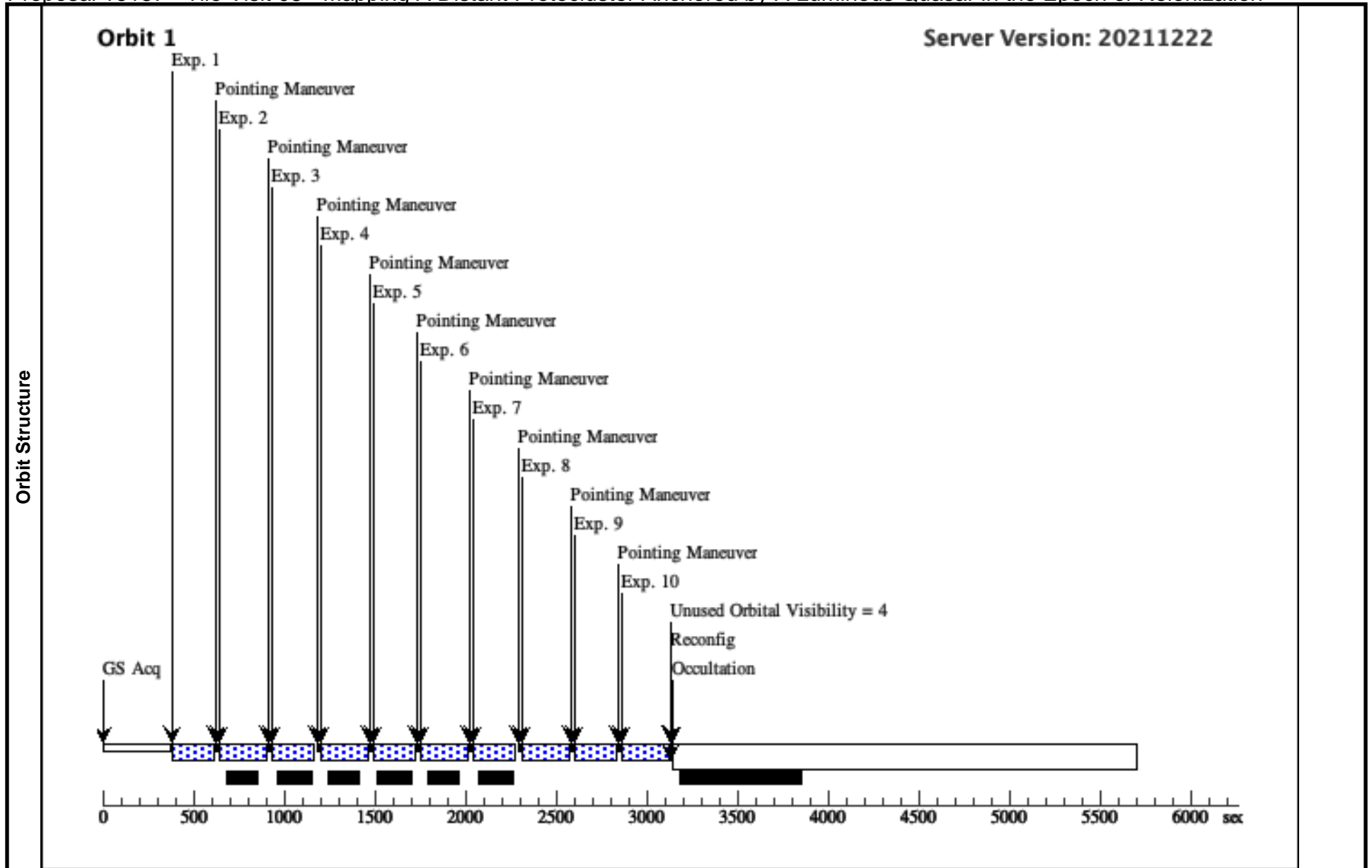
Visit	<b>Proposal 16187, Tile Visit 07, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 05									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[QUASAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -61.176 016000000004,54.14 0812000000004	Sequence 1-10 Non-I nt in Tile Visit 07	202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.577 016000000001,54.237 8120000000005	Sequence 1-10 Non-I nt in Tile Visit 07	227.936926 Secs (227.937 Secs) [==>]	[1]
	3	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.877 016000000005,54.18 9812	Sequence 1-10 Non-I nt in Tile Visit 07	202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.957 016,54.40781200000 001	Sequence 1-10 Non-I nt in Tile Visit 07	227.936926 Secs (227.937 Secs) [==>]	[1]
	5	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.577 016000000001,54.237 8120000000005	Sequence 1-10 Non-I nt in Tile Visit 07	202.934095 Secs (202.934 Secs) [==>]	[1]
	6	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.658 016,54.45681200000 0006	Sequence 1-10 Non-I nt in Tile Visit 07	227.936926 Secs (227.937 Secs) [==>]	[1]
	7	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.957 016,54.40781200000 001	Sequence 1-10 Non-I nt in Tile Visit 07	202.934095 Secs (202.934 Secs) [==>]	[1]
	8	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -61.176 016000000004,54.14 0812000000004	Sequence 1-10 Non-I nt in Tile Visit 07	227.936926 Secs (227.937 Secs) [==>]	[1]
	9	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -60.658 016,54.45681200000 0006	Sequence 1-10 Non-I nt in Tile Visit 07	202.934095 Secs (202.934 Secs) [==>]	[1]
10	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -60.877 016000000005,54.18 9812	Sequence 1-10 Non-I nt in Tile Visit 07	227.936926 Secs (227.937 Secs) [==>]	[1]	



Proposal 16187 - Tile Visit 08 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Thu Mar 10 17:00:53 GMT 2022

Visit	<b>Proposal 16187, Tile Visit 08, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 05									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[QUASAR]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.1760 16000000004,54.140 812000000004	Sequence 1-10 Non-I nt in Tile Visit 08	202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.7750 16,54.237812000000 005	Sequence 1-10 Non-I nt in Tile Visit 08	227.936926 Secs (227.937 Secs) [==>]	[1]
	3	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.4750 16000000004,54.189 812	Sequence 1-10 Non-I nt in Tile Visit 08	202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.3950 16000000005,54.407 812000000001	Sequence 1-10 Non-I nt in Tile Visit 08	227.936926 Secs (227.937 Secs) [==>]	[1]
	5	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.7750 16,54.237812000000 005	Sequence 1-10 Non-I nt in Tile Visit 08	202.934095 Secs (202.934 Secs) [==>]	[1]
	6	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.6940 16000000005,54.456 812000000006	Sequence 1-10 Non-I nt in Tile Visit 08	227.936926 Secs (227.937 Secs) [==>]	[1]
	7	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.3950 16000000005,54.407 812000000001	Sequence 1-10 Non-I nt in Tile Visit 08	202.934095 Secs (202.934 Secs) [==>]	[1]
	8	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.1760 16000000004,54.140 812000000004	Sequence 1-10 Non-I nt in Tile Visit 08	227.936926 Secs (227.937 Secs) [==>]	[1]
	9	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.6940 16000000005,54.456 812000000006	Sequence 1-10 Non-I nt in Tile Visit 08	202.934095 Secs (202.934 Secs) [==>]	[1]
10	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.4750 16000000004,54.189 812	Sequence 1-10 Non-I nt in Tile Visit 08	227.936926 Secs (227.937 Secs) [==>]	[1]	

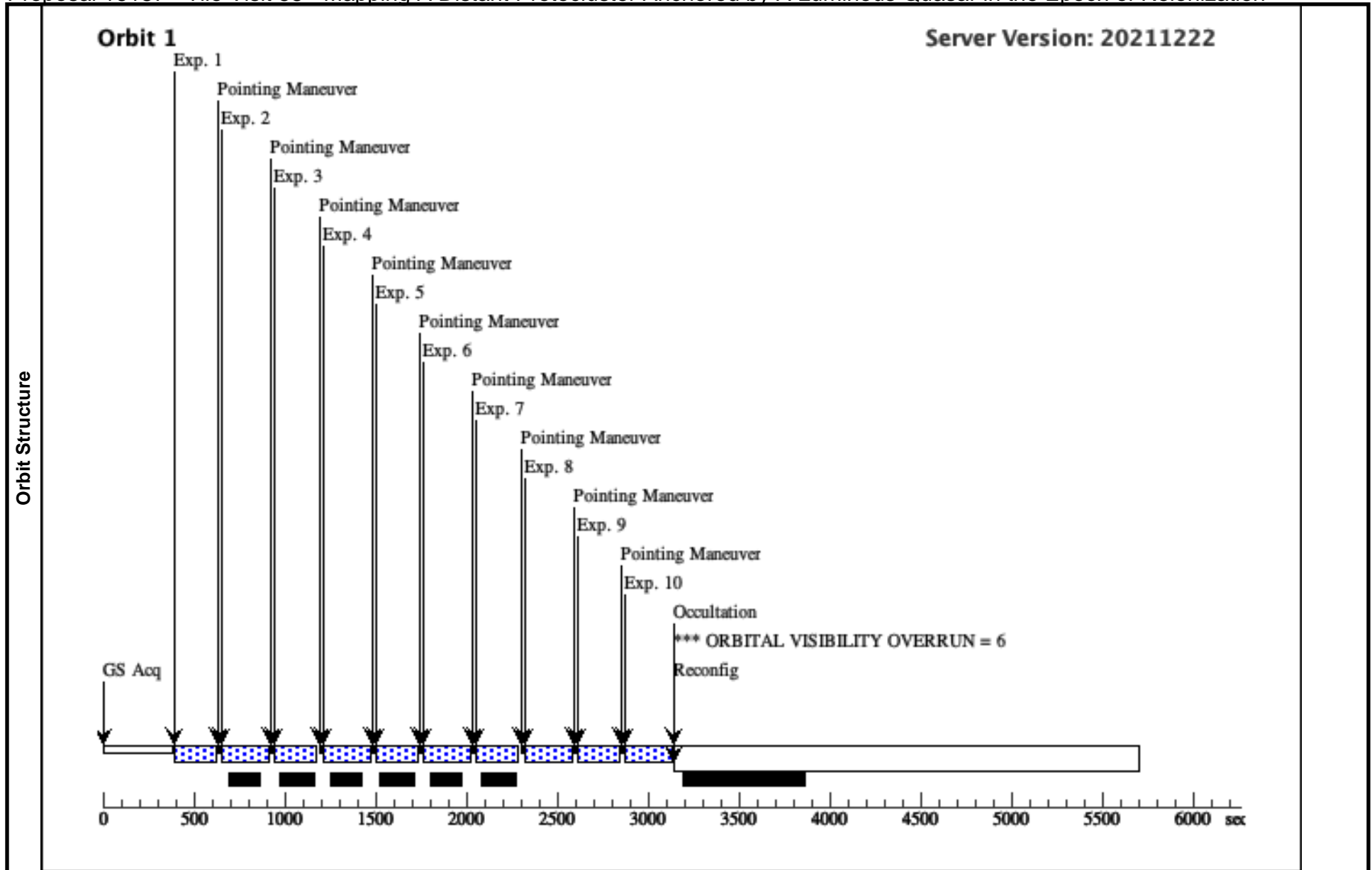


Proposal 16187 - Tile Visit 58 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

<b>Visit</b>	Proposal 16187, Tile Visit 58, completed <span style="float: right;">Thu Mar 10 17:00:53 GMT 2022</span> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 55 <i>Comments: Repeat of the failed visit 08</i>																
	<b>Diagnosics</b> (Tile Visit 58) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																
<b>Fixed Targets</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">#</th> <th style="width: 20%;">Name</th> <th style="width: 25%;">Target Coordinates</th> <th style="width: 20%;">Targ. Coord. Corrections</th> <th style="width: 10%;">Fluxes</th> <th style="width: 20%;">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>J0910-Q</td> <td>                     RA: 09 10 54.5000 (137.7270833d)                      Dec: -04 14 6.80 (-4.23522d)                      Equinox: J2000                 </td> <td></td> <td>                     V=(?)                      J=28.6 AB                 </td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)	J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS												
<i>Comments:</i> Category=GALAXY Description=[QUASAR]																	

Proposal 16187 - Tile Visit 58 - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.1760 16000000004,54.140 812000000004; GS ACQ SCENARI O BASE1BE	Sequence 1-10 Non-I nt in Tile Visit 58	202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.7750 16,54.237812000000 005	Sequence 1-10 Non-I nt in Tile Visit 58	227.936926 Secs (227.937 Secs) [==>]	[1]
	3	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.4750 16000000004,54.189 812	Sequence 1-10 Non-I nt in Tile Visit 58	202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.3950 16000000005,54.407 81200000001	Sequence 1-10 Non-I nt in Tile Visit 58	227.936926 Secs (227.937 Secs) [==>]	[1]
	5	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.7750 16,54.237812000000 005	Sequence 1-10 Non-I nt in Tile Visit 58	202.934095 Secs (202.934 Secs) [==>]	[1]
	6	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.6940 16000000005,54.456 812000000006	Sequence 1-10 Non-I nt in Tile Visit 58	227.936926 Secs (227.937 Secs) [==>]	[1]
	7	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.3950 16000000005,54.407 81200000001	Sequence 1-10 Non-I nt in Tile Visit 58	202.934095 Secs (202.934 Secs) [==>]	[1]
	8	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.1760 16000000004,54.140 812000000004	Sequence 1-10 Non-I nt in Tile Visit 58	227.936926 Secs (227.937 Secs) [==>]	[1]
	9	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 61.6940 16000000005,54.456 812000000006	Sequence 1-10 Non-I nt in Tile Visit 58	202.934095 Secs (202.934 Secs) [==>]	[1]
	10	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 61.4750 16000000004,54.189 812	Sequence 1-10 Non-I nt in Tile Visit 58	227.936926 Secs (227.937 Secs) [==>]	[1]



Proposal 16187 - J0910-Q pointing (09) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

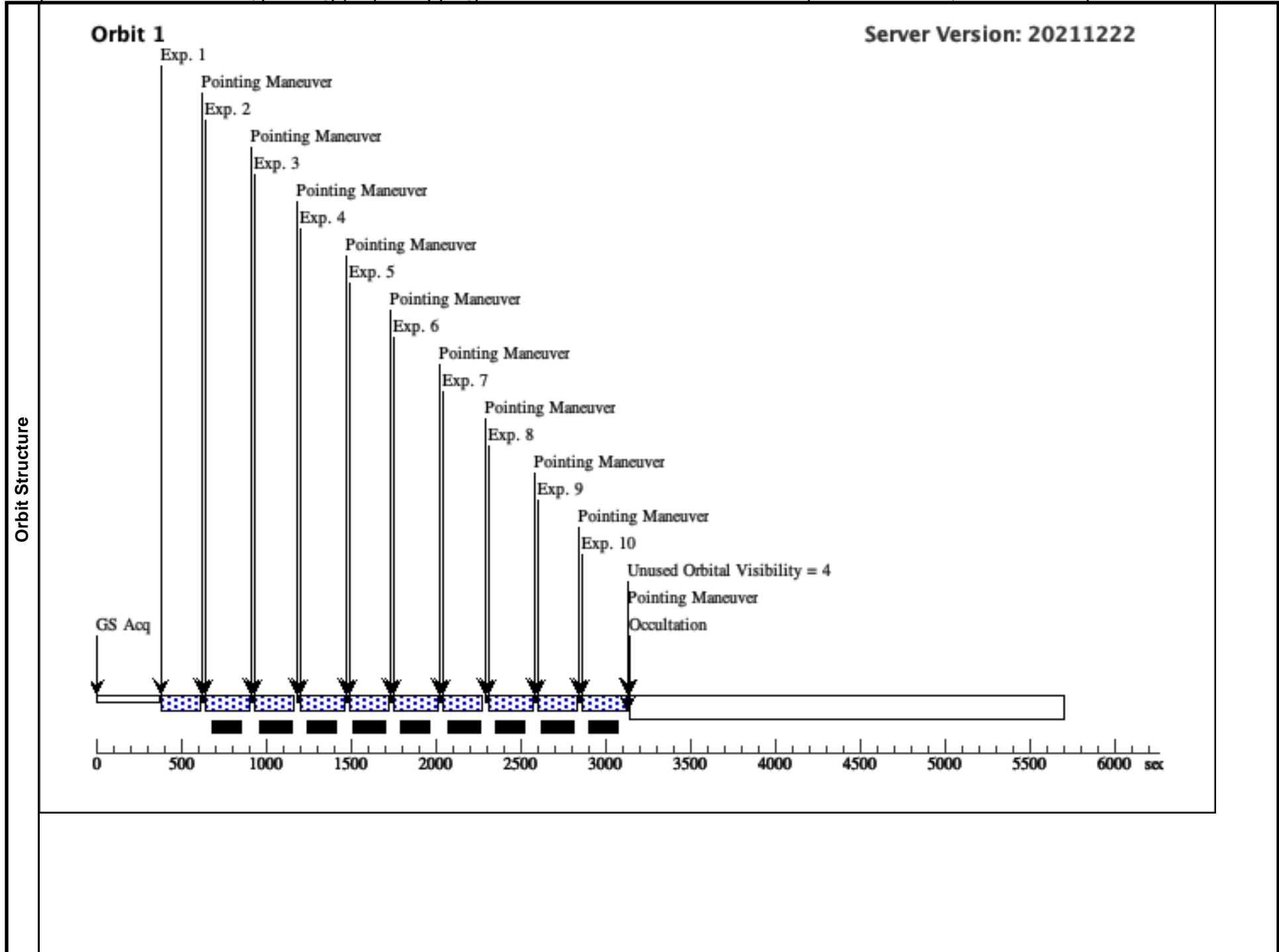
<b>Visit</b>	Proposal 16187, J0910-Q pointing (09), completed <span style="float: right;">Thu Mar 10 17:00:53 GMT 2022</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT -10D TO 10D FROM 01					
	<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>
(1)		J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS
	Comments: Category=GALAXY Description=[QUASAR]					

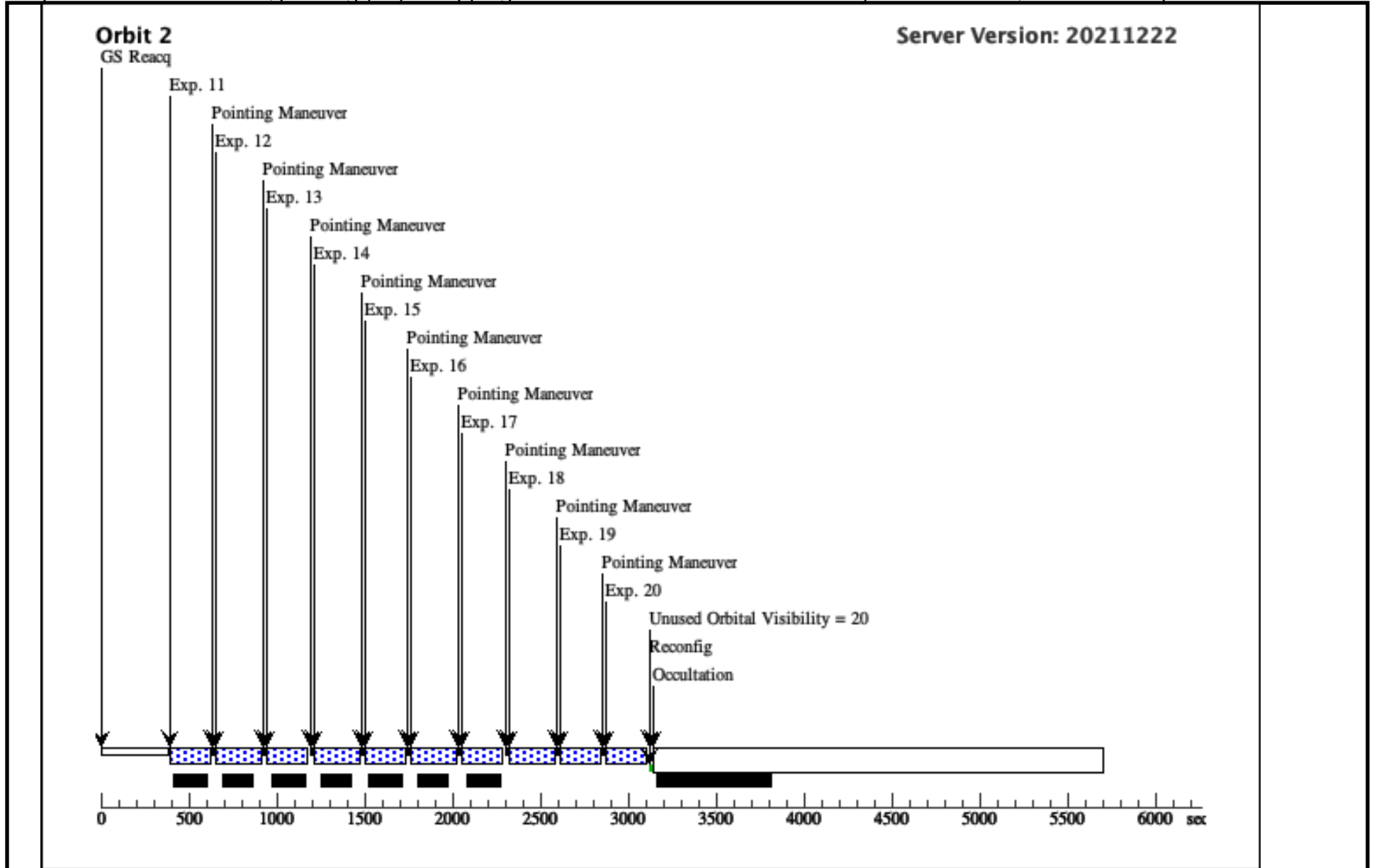
Proposal 16187 - J0910-Q pointing (09) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -0.4065, -0.3633	Sequence 1-10 Non-Int in J0910-Q pointing (09)	202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.271,-0 .1211	Sequence 1-10 Non-Int in J0910-Q pointing (09)	227.936926 Secs (227.937 Secs) [==>]	[1]
	3	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -0.1075, -0.3143	Sequence 1-10 Non-Int in J0910-Q pointing (09)	202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.57,-0 0721	Sequence 1-10 Non-Int in J0910-Q pointing (09)	227.936926 Secs (227.937 Secs) [==>]	[1]
	5	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.1925,- 0.2663	Sequence 1-10 Non-Int in J0910-Q pointing (09)	202.934095 Secs (202.934 Secs) [==>]	[1]
	6	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.87,-0 0241	Sequence 1-10 Non-Int in J0910-Q pointing (09)	227.936926 Secs (227.937 Secs) [==>]	[1]
	7	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -0.1875, -0.0963	Sequence 1-10 Non-Int in J0910-Q pointing (09)	202.934095 Secs (202.934 Secs) [==>]	[1]
	8	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.49,0.1 459	Sequence 1-10 Non-Int in J0910-Q pointing (09)	227.936926 Secs (227.937 Secs) [==>]	[1]
	9	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.1115,- 0.0473	Sequence 1-10 Non-Int in J0910-Q pointing (09)	202.934095 Secs (202.934 Secs) [==>]	[1]
	10	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.789,0 1949	Sequence 1-10 Non-Int in J0910-Q pointing (09)	227.936926 Secs (227.937 Secs) [==>]	[1]
	11	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.271,-0 .1211	Sequence 11-20 Non-Int in J0910-Q pointing (09)	202.934095 Secs (202.934 Secs) [==>]	[2]
	12	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -0.542,0 .1211	Sequence 11-20 Non-Int in J0910-Q pointing (09)	227.936926 Secs (227.937 Secs) [==>]	[2]
	13	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.57,-0 0721	Sequence 11-20 Non-Int in J0910-Q pointing (09)	202.934095 Secs (202.934 Secs) [==>]	[2]
	14	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -0.243,0 .1701	Sequence 11-20 Non-Int in J0910-Q pointing (09)	227.936926 Secs (227.937 Secs) [==>]	[2]
	15	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.87,-0 0241	Sequence 11-20 Non-Int in J0910-Q pointing (09)	202.934095 Secs (202.934 Secs) [==>]	[2]
16	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.057,0 2181	Sequence 11-20 Non-Int in J0910-Q pointing (09)	227.936926 Secs (227.937 Secs) [==>]	[2]	

Proposal 16187 - J0910-Q pointing (09) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

17	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.49,0.1 459	Sequence 11-20 Non -Int in J0910-Q point ing (09)	202.934095 Secs (202.934 Secs) [==>]	[2]
18	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -0.323,0 .3881	Sequence 11-20 Non -Int in J0910-Q point ing (09)	227.936926 Secs (227.937 Secs) [==>]	[2]
19	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.789,0. 1949	Sequence 11-20 Non -Int in J0910-Q point ing (09)	202.934095 Secs (202.934 Secs) [==>]	[2]
20	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=9	POS TARG -0.024,0 .4371	Sequence 11-20 Non -Int in J0910-Q point ing (09)	202.936411 Secs (202.936 Secs) [==>]	[2]





Proposal 16187 - J0910-Q pointing (10) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

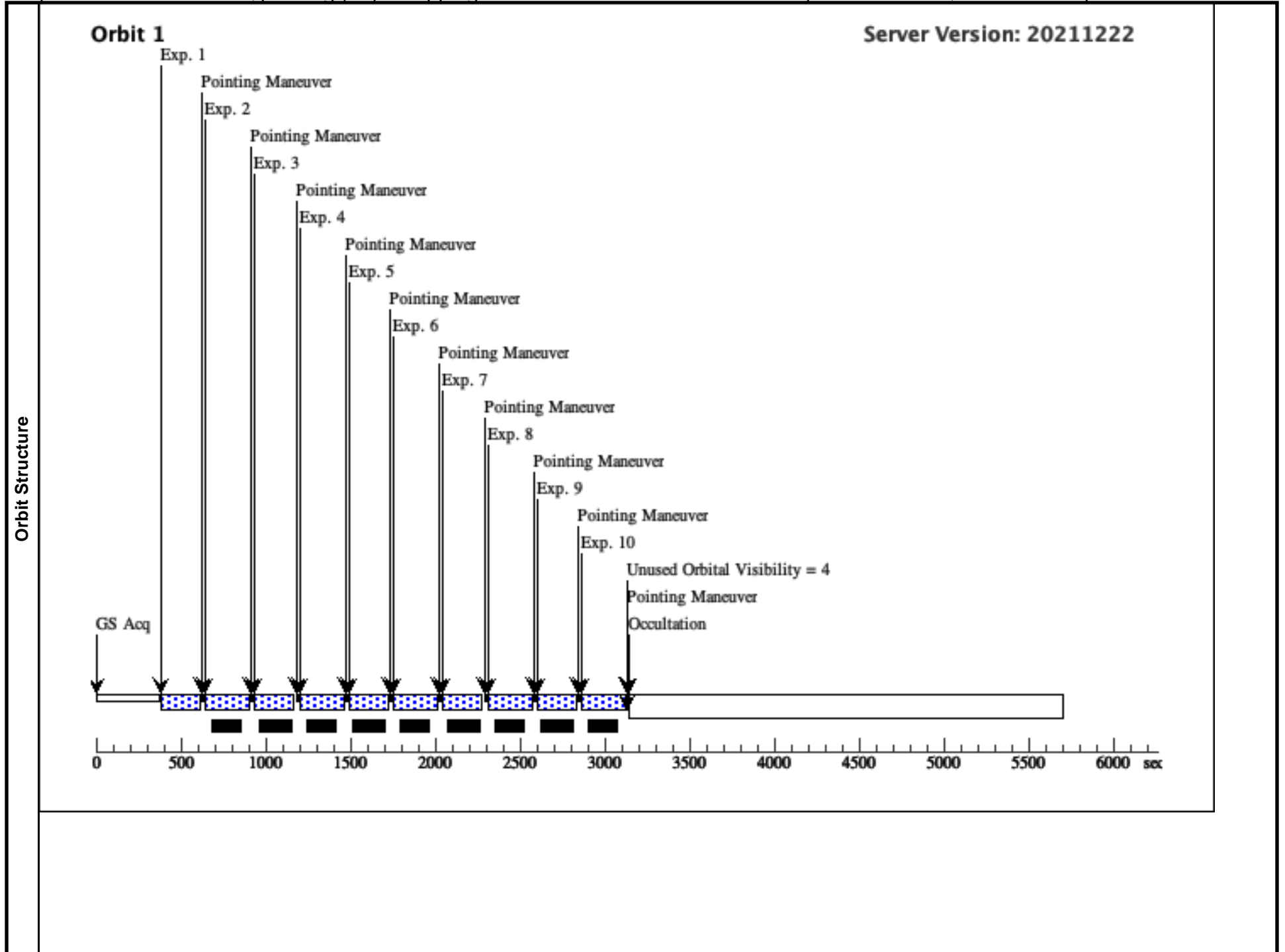
<b>Visit</b>	Proposal 16187, J0910-Q pointing (10), completed <span style="float: right;">Thu Mar 10 17:00:53 GMT 2022</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 09					
	<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>
(1)		J0910-Q	RA: 09 10 54.5000 (137.7270833d) Dec: -04 14 6.80 (-4.23522d) Equinox: J2000		V=(?) J=28.6 AB	Reference Frame: ICRS
	Comments: Category=GALAXY Description=[QUASAR]					

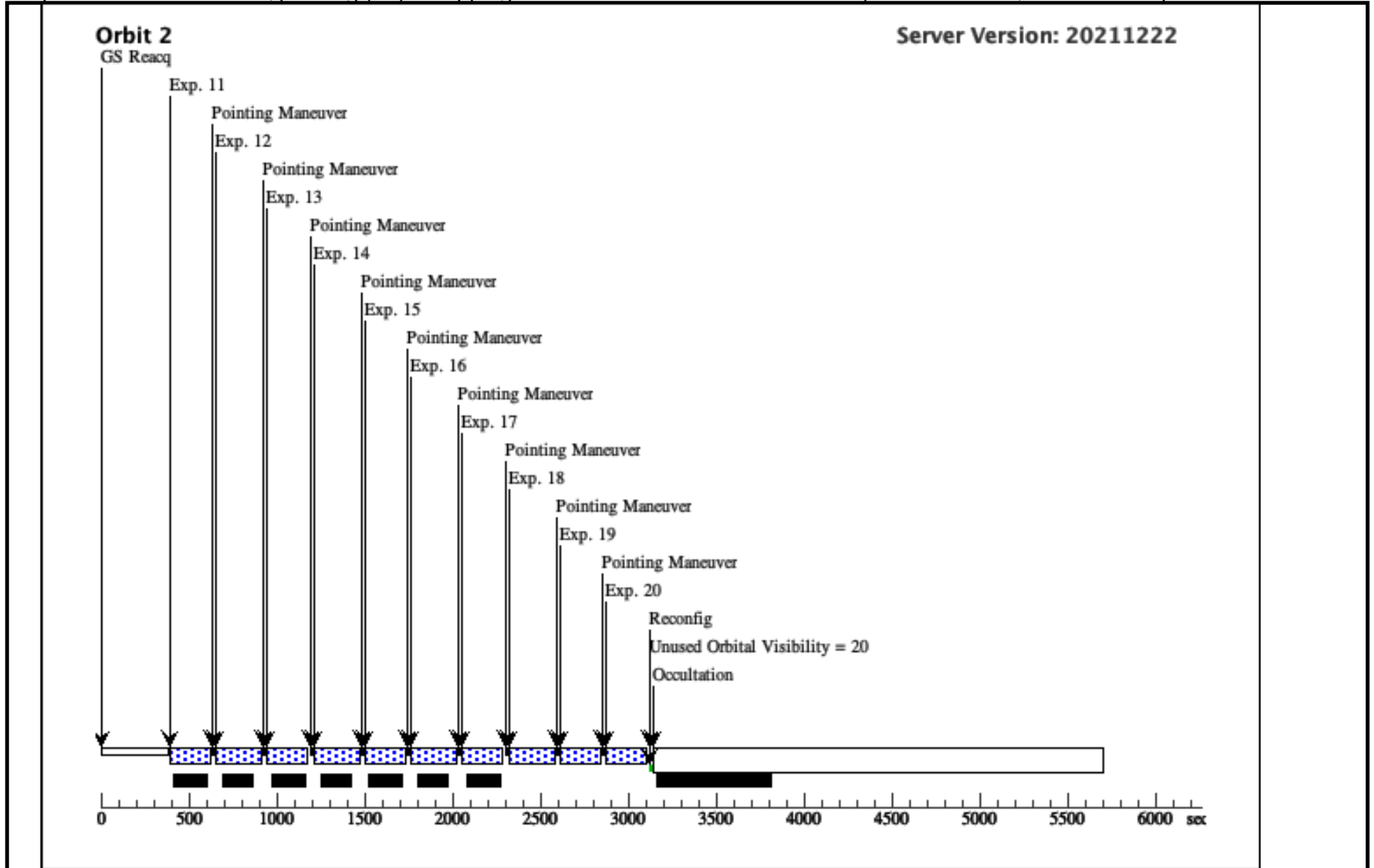
Proposal 16187 - J0910-Q pointing (10) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -0.542,0 .1211	Sequence 1-10 Non-Int in J0910-Q pointing (10)	202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0,0	Sequence 1-10 Non-Int in J0910-Q pointing (10)	227.936926 Secs (227.937 Secs) [==>]	[1]
	3	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -0.243,0 .1701	Sequence 1-10 Non-Int in J0910-Q pointing (10)	202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.299,0 049	Sequence 1-10 Non-Int in J0910-Q pointing (10)	227.936926 Secs (227.937 Secs) [==>]	[1]
	5	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.057,0 2181	Sequence 1-10 Non-Int in J0910-Q pointing (10)	202.934095 Secs (202.934 Secs) [==>]	[1]
	6	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.599,0 097	Sequence 1-10 Non-Int in J0910-Q pointing (10)	227.936926 Secs (227.937 Secs) [==>]	[1]
	7	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -0.323,0 .3881	Sequence 1-10 Non-Int in J0910-Q pointing (10)	202.934095 Secs (202.934 Secs) [==>]	[1]
	8	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.219,0 267	Sequence 1-10 Non-Int in J0910-Q pointing (10)	227.936926 Secs (227.937 Secs) [==>]	[1]
	9	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG -0.024,0 .4371	Sequence 1-10 Non-Int in J0910-Q pointing (10)	202.934095 Secs (202.934 Secs) [==>]	[1]
	10	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.518,0 316	Sequence 1-10 Non-Int in J0910-Q pointing (10)	227.936926 Secs (227.937 Secs) [==>]	[1]
	11	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0,0	Sequence 11-20 Non-Int in J0910-Q pointing (10)	202.934095 Secs (202.934 Secs) [==>]	[2]
	12	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -0.4065, -0.3633	Sequence 11-20 Non-Int in J0910-Q pointing (10)	227.936926 Secs (227.937 Secs) [==>]	[2]
	13	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.299,0 049	Sequence 11-20 Non-Int in J0910-Q pointing (10)	202.934095 Secs (202.934 Secs) [==>]	[2]
	14	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -0.1075, -0.3143	Sequence 11-20 Non-Int in J0910-Q pointing (10)	227.936926 Secs (227.937 Secs) [==>]	[2]
	15	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.599,0 097	Sequence 11-20 Non-Int in J0910-Q pointing (10)	202.934095 Secs (202.934 Secs) [==>]	[2]
16	(1) J0910-Q		WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.1925,- 0.2663	Sequence 11-20 Non-Int in J0910-Q pointing (10)	227.936926 Secs (227.937 Secs) [==>]	[2]	

Proposal 16187 - J0910-Q pointing (10) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

17	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.219,0. 267	Sequence 11-20 Non -Int in J0910-Q point ing (10)	202.934095 Secs (202.934 Secs) [==>]	[2]
18	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG -0.1875, -0.0963	Sequence 11-20 Non -Int in J0910-Q point ing (10)	227.936926 Secs (227.937 Secs) [==>]	[2]
19	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=SPARS 50; NSAMP=5	POS TARG 0.518,0. 316	Sequence 11-20 Non -Int in J0910-Q point ing (10)	202.934095 Secs (202.934 Secs) [==>]	[2]
20	(1) J0910-Q	WFC3/IR, MULTIACCUM, IR-FIX	F125W	SAMP-SEQ=SPARS 25; NSAMP=9	POS TARG 0.1115,- 0.0473	Sequence 11-20 Non -Int in J0910-Q point ing (10)	202.936411 Secs (202.936 Secs) [==>]	[2]





Proposal 16187 - J0910-PSF (11) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

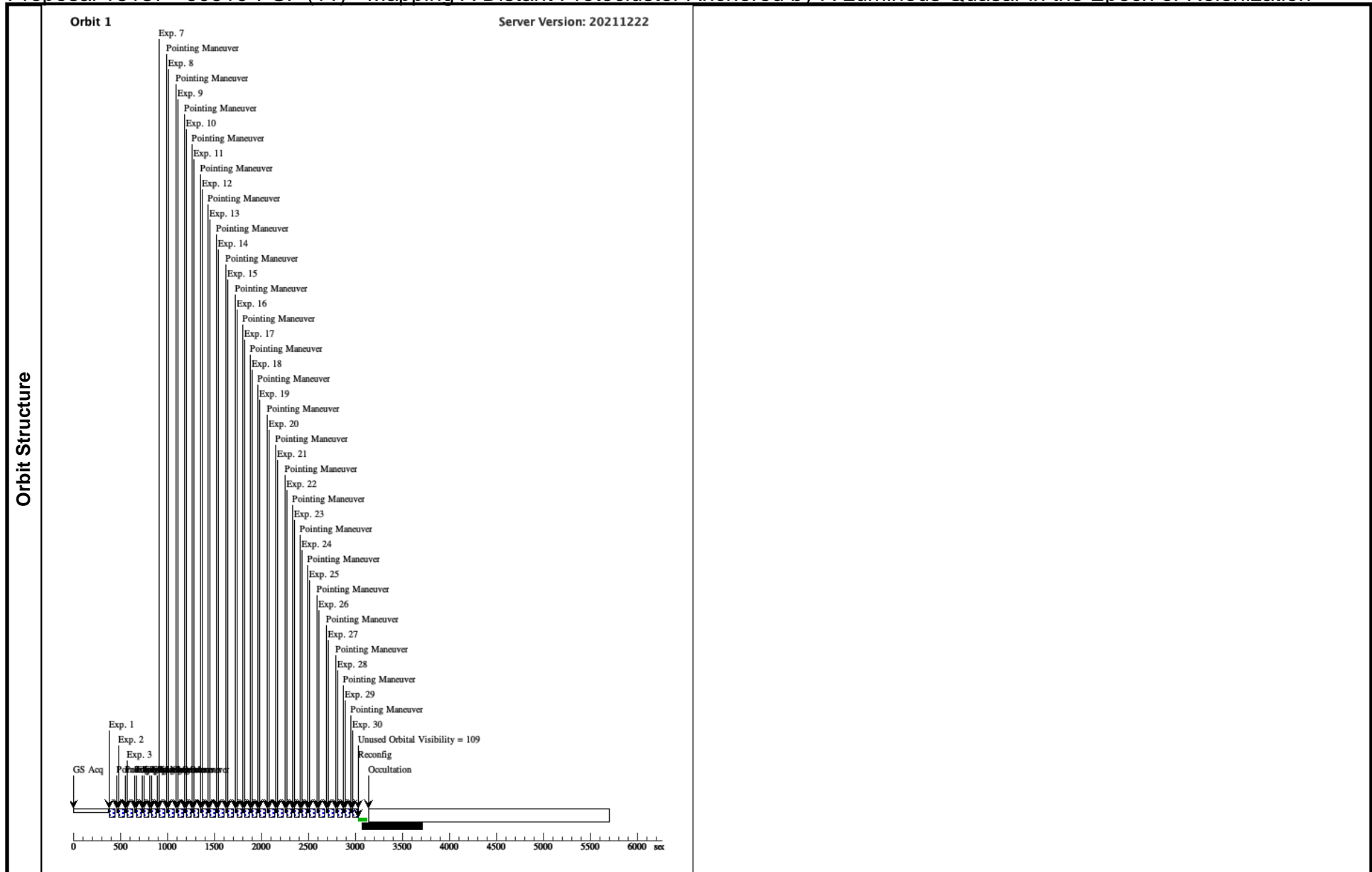
<b>Visit</b>	Proposal 16187, J0910-PSF (11), failed <span style="float: right;">Thu Mar 10 17:00:53 GMT 2022</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT -5D TO 5D FROM 09					
	<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>
(3)		J0910-PSF	RA: 09 09 11.6293 (137.2984554d) Dec: -04 06 22.60 (-4.10628d) Equinox: J2000		V=(?) J=16.95, H=16.272, Ks=15.34	Reference Frame: ICRS
	Comments: Category=STAR Description=[M V-IV]					

Proposal 16187 - J0910-PSF (11) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG -0.4065, -0.3633	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	2	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.271,-0.1211	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	3	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0,0	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	4	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -0.4065, -0.3633	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[1]
	5	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.271,-0.1211	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[1]
	6	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0,0	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[1]
	7	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG -0.1075, -0.3143	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	8	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.57,-0.0721	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	9	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.299,0.049	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	10	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -0.1075, -0.3143	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[1]
	11	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.57,-0.0721	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[1]
	12	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.299,0.049	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[1]
	13	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.1925,-0.2663	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	14	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.87,-0.0241	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	15	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.599,0.097	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[1]
	16	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.1925,-0.2663	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[1]

Proposal 16187 - J0910-PSF (11) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

17	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.87,-0.0241	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[==>]	[1]
18	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.599,0.097	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[==>]	[1]
19	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG -0.1875,-0.0963	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[==>]	[1]
20	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.49,0.1459	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[==>]	[1]
21	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.219,0.267	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[==>]	[1]
22	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -0.1875,-0.0963	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[==>]	[1]
23	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.49,0.1459	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[==>]	[1]
24	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.219,0.267	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[==>]	[1]
25	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.1115,-0.0473	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[==>]	[1]
26	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.789,0.1949	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[==>]	[1]
27	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.518,0.316	Sequence 1-30 Non-Int in J0910-PSF (11)	36.754642 Secs (36.755 Secs)	[==>]	[1]
28	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.1115,-0.0473	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[==>]	[1]
29	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.789,0.1949	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[==>]	[1]
30	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.518,0.316	Sequence 1-30 Non-Int in J0910-PSF (11)	22.317276 Secs (22.317 Secs)	[==>]	[1]



Proposal 16187 - J0910-PSF (61) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

<b>Visit</b>	<b>Proposal 16187, J0910-PSF (61), completed</b> <span style="float: right;">Thu Mar 10 17:00:54 GMT 2022</span> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT -5D TO 5D FROM 09					
	<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>
(3)		J0910-PSF	RA: 09 09 11.6293 (137.2984554d) Dec: -04 06 22.60 (-4.10628d) Equinox: J2000		V=(?) J=16.95, H=16.272, Ks=15.34	Reference Frame: ICRS
<i>Comments:</i> Category=STAR Description=[M V-IV]						

Proposal 16187 - J0910-PSF (61) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG -0.4065, -0.3633; GS ACQ SCENARIO BASE1BE	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	2	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.271,-0.1211	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	3	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0,0	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	4	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -0.4065, -0.3633	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs) [==>]	[1]
	5	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.271,-0.1211	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs) [==>]	[1]
	6	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0,0	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs) [==>]	[1]
	7	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG -0.1075, -0.3143	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	8	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.57,-0.0721	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	9	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.299,0.049	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	10	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -0.1075, -0.3143	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs) [==>]	[1]
	11	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.57,-0.0721	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs) [==>]	[1]
	12	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.299,0.049	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs) [==>]	[1]
	13	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.1925,-0.2663	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	14	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.87,-0.0241	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	15	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.599,0.097	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs) [==>]	[1]
	16	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.1925,-0.2663	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs) [==>]	[1]

Proposal 16187 - J0910-PSF (61) - Mapping A Distant Protocluster Anchored by A Luminous Quasar in the Epoch of Reionization

17	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.87,-0.0241	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs)	[==>]	[1]
18	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.599,0.097	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs)	[==>]	[1]
19	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG -0.1875,-0.0963	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs)	[==>]	[1]
20	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.49,0.1459	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs)	[==>]	[1]
21	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.219,0.267	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs)	[==>]	[1]
22	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG -0.1875,-0.0963	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs)	[==>]	[1]
23	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.49,0.1459	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs)	[==>]	[1]
24	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.219,0.267	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs)	[==>]	[1]
25	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.1115,-0.0473	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs)	[==>]	[1]
26	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.789,0.1949	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs)	[==>]	[1]
27	J	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB512-FIX	F125W	SAMP-SEQ=STEP2 5; NSAMP=6	POS TARG 0.518,0.316	Sequence 1-30 Non-Int in J0910-PSF (61)	36.754642 Secs (36.755 Secs)	[==>]	[1]
28	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.1115,-0.0473	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs)	[==>]	[1]
29	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.789,0.1949	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs)	[==>]	[1]
30	H	(3) J0910-PSF	WFC3/IR, MULTIACCUM, IRSUB256-FIX	F160W	SAMP-SEQ=SPARS 10; NSAMP=4	POS TARG 0.518,0.316	Sequence 1-30 Non-Int in J0910-PSF (61)	22.317276 Secs (22.317 Secs)	[==>]	[1]

