



## 11966 - The Recent Star Formation History of SINGS Galaxies

Cycle: 16, 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	(1) DDO154	WFPC2	3	30-Jan-2009 21:01:31.0	yes
02	(2) HOLMBERG1	WFPC2	2	30-Jan-2009 21:01:37.0	yes
03	(3) HOLMBERG2A	WFPC2	1	30-Jan-2009 21:01:40.0	yes
35	(35) HOLMBERG2B	WFPC2	1	30-Jan-2009 21:01:42.0	yes
04	(4) HOLMBERG9	WFPC2	2	30-Jan-2009 21:01:45.0	yes
05	(5) M81DWA	WFPC2	2	30-Jan-2009 21:01:49.0	yes

Proposal 11966 (STScI Edit Number: 4, Created: Friday, January 30, 2009 9:04:07 PM EST) - Overview

<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>
06	(6) M81DWB	WFPC2	2	30-Jan-2009 21:01:53.0	yes
49	(49) M81-DWB-2	WFPC2	2	30-Jan-2009 21:01:57.0	yes
07	(7) NGC2976	WFPC2	2	30-Jan-2009 21:02:01.0	yes
08	(8) NGC3034	WFPC2	1	30-Jan-2009 21:02:03.0	yes
09	(9) NGC3184	WFPC2	3	30-Jan-2009 21:02:06.0	yes
10	(10) NGC3190	WFPC2	4	30-Jan-2009 21:02:11.0	yes
11	(11) NGC3198	WFPC2	3	30-Jan-2009 21:02:15.0	yes
12	(12) NGC3351	WFPC2	3	30-Jan-2009 21:02:23.0	yes
13	(13) NGC3521	WFPC2	2	30-Jan-2009 21:02:27.0	yes
14	(14) NGC3938	WFPC2	3	30-Jan-2009 21:02:30.0	yes
15	(15) NGC4125	WFPC2	4	30-Jan-2009 21:02:35.0	yes
16	(16) NGC4236	WFPC2	2	30-Jan-2009 21:02:39.0	yes
17	(17) NGC4254	WFPC2	4	30-Jan-2009 21:02:43.0	yes
18	(18) NGC4450	WFPC2	4	30-Jan-2009 21:02:48.0	yes
19	(19) NGC4536	WFPC2	3	30-Jan-2009 21:02:52.0	yes
20	(20) NGC4559	WFPC2	3	30-Jan-2009 21:02:55.0	yes
21	(21) NGC4579	WFPC2	3	30-Jan-2009 21:03:00.0	yes
22	(22) NGC4594	WFPC2	2	30-Jan-2009 21:03:03.0	yes
52	(52) NGC4594-2	WFPC2	2	30-Jan-2009 21:03:05.0	yes
23	(23) NGC4625	WFPC2	4	30-Jan-2009 21:03:09.0	yes
24	(24) NGC4631	WFPC2	2	30-Jan-2009 21:03:13.0	yes
25	(25) NGC4725	WFPC2	4	30-Jan-2009 21:03:17.0	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>
26	(26) NGC5033	WFPC2	2	30-Jan-2009 21:03:20.0	yes
30	(30) NGC5474	WFPC2	3	30-Jan-2009 21:03:24.0	yes
32	(32) NGC7331-POS1	WFPC2	4	30-Jan-2009 21:03:28.0	yes
33	(33) IC2574-POS-A	WFPC2	2	30-Jan-2009 21:03:32.0	yes
50	(50) IC2574-POS-A2	WFPC2	2	30-Jan-2009 21:03:35.0	yes
34	(34) NGC3621	WFPC2	1	30-Jan-2009 21:03:37.0	yes
46	(46) NGC5055-POS-A	WFPC2	2	30-Jan-2009 21:03:39.0	yes
47	(47) NGC5055-POS-B	WFPC2	2	30-Jan-2009 21:03:41.0	yes
48	(48) NGC5055-POS-C	WFPC2	2	30-Jan-2009 21:03:44.0	yes
38	(38) NGC6946	WFPC2	1	30-Jan-2009 21:03:46.0	yes
39	(39) NGC7331-POS2	WFPC2	1	30-Jan-2009 21:03:47.0	yes
40	(40) M81-POS4	WFPC2	2	30-Jan-2009 21:03:50.0	yes
41	(41) M81-POS6	WFPC2	2	30-Jan-2009 21:03:53.0	yes
51	(51) M81-POS6-2	WFPC2	2	30-Jan-2009 21:03:56.0	yes
42	(42) IC2574-POS-B	WFPC2	1	30-Jan-2009 21:03:58.0	yes
43	(43) NGC3627-POS1	WFPC2	2	30-Jan-2009 21:04:00.0	yes
44	(44) M51-POS6	WFPC2	2	30-Jan-2009 21:04:02.0	yes
45	(45) SEARLE5	WFPC2	1	30-Jan-2009 21:04:04.0	yes

107 Total Orbits Used

**ABSTRACT**

The Spitzer Legacy project SINGS provided a unique view of the current state of star formation and dust in a sample of galaxies of all Hubble types. This multi-wavelength view allowed the team to create current star formation diagnostics that are independent of the dust content and increased our understanding of the dust in galaxies. Even so, using the SINGS data alone we can only make rough estimates of the recent star formation history of these galaxies. The lack of high resolution observations (especially U-band and H-alpha) means that it is impossible to estimate the ages of young clusters. In addition, the low resolution of the Spitzer and ground-based observations means that what appear to be individual Spitzer sources can actually be composed of many individual clusters with varying ages. We need to know the ages, star formation histories, and extinction of these individual clusters to understand how these clusters form and age and thus influence the evolution of the galaxy. In this proposal we address this missing area of SINGS by obtaining high-resolution WFPC2 UBVI & H-alpha observations to not only accurately locate and determine the ages of the young stellar clusters in the actively star forming SINGS galaxies but to also address a variety of other scientific issues. Over 500 HST orbits and 500 hours of Spitzer observing time have been dedicated to observations of the SINGS sample. But the HST observations have not been systematic. By adding a relatively small fraction of this time for these requested observations, we will greatly enhance the legacy value of the SINGS observations by creating a uniform high resolution multi-wavelength HST archive that matches the quality of the lower resolution SINGS archive.

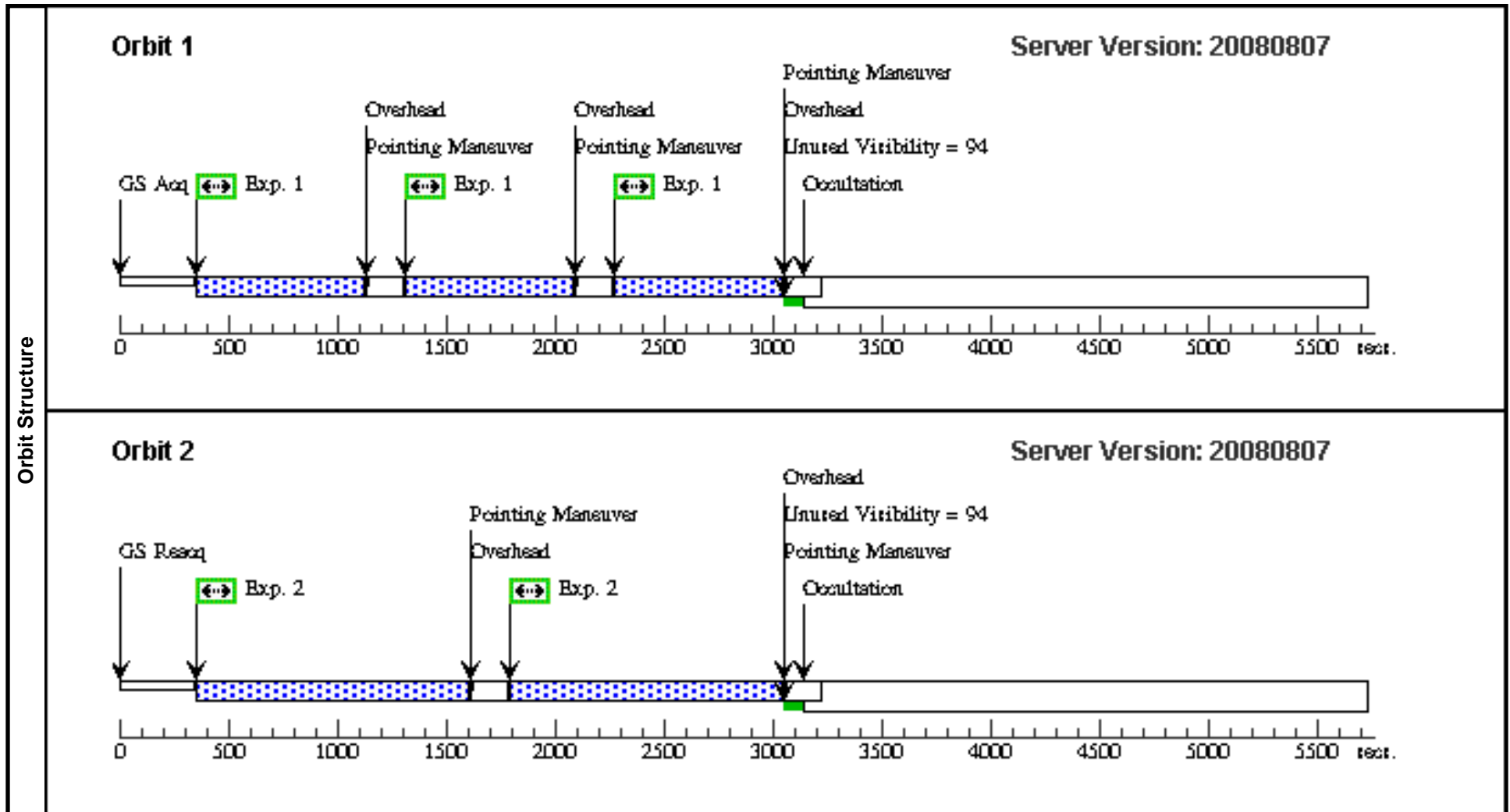
## **OBSERVING DESCRIPTION**

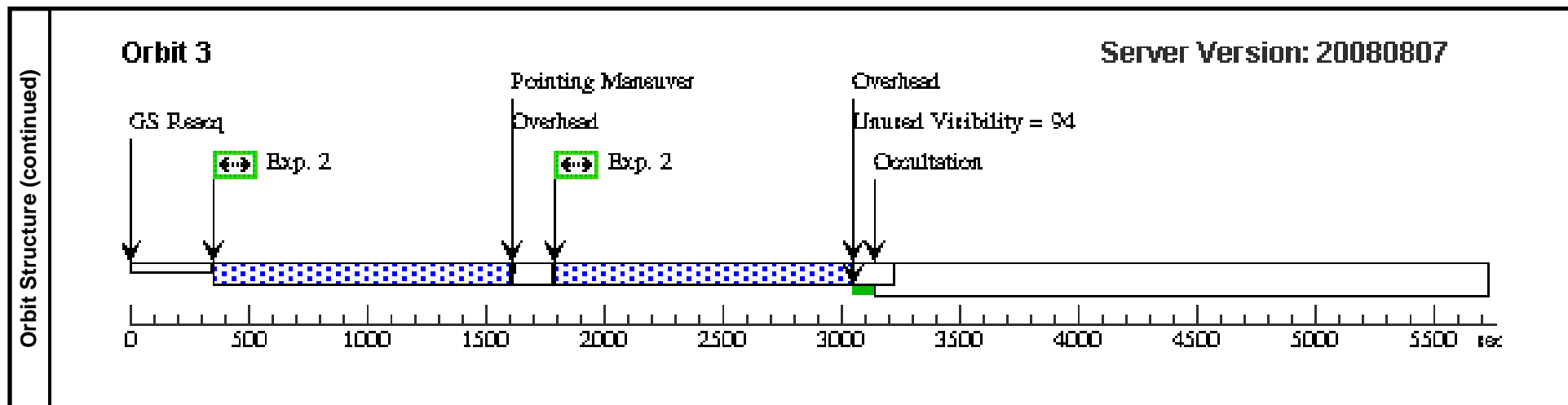
Our overall goal was to try to have as much coverage in UBVIHalpha as possible. The number 1 priority was to add the U (F336W) filter observations. We used the Hubble Legacy Archive to examine the overlap and missing filters, and then added F336W filter observations using the formula  $< 5 \text{ Mpc} = 1 \text{ orbit}; 5 - 15 \text{ Mpc} - 2 \text{ orbits}, > 15 \text{ Mpc} - 3 \text{ orbits}$ ) for those objects visible in January. We did not include observations for roughly a half dozen galaxies with no apparent star formation (i.e., E and S0 galaxies). We tried to match the orientation as much as possible, but with only a single month to observe in, this was not generally possible. In general we tried to keep the most important regions on chips 2 and 3 since chip 4 has some time dependent bias issues. For 1 orbit we used a 3 point line dither, for 2 orbits we used the default dither box, for 3 orbits we used a 3 point dither box, with an additional roughly orthogonal displacement (hence a 6 point pattern). After fitting in all the F336W filters we added Halpha where most valuable, and in a few cases also added either V or I if missing. We did not have room to add any B observations.

Proposal 11966 - Visit 01 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:08 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 01, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 296D TO 312.5 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false				(2)			
(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1)				
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	DDO154	RA: 12 54 6.4888 (193.5270367d) Dec: +27 08 26.70 (27.14075d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) DDO154	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs [=>600.0 Secs (Pattern 1)] [=>600.0 Secs (Pattern 2)] [=>600.0 Secs (Pattern 3)]	[1]	
	<i>Comments: 3pt line dither in one orbit</i>									
	2	(1) DDO154	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 2-2 (1)	1100.0 Secs [=>1100.0 Secs (Pattern 1)] [=>1100.0 Secs (Pattern 2)] [=>1100.0 Secs (Pattern 3)] [=>1100.0 Secs (Pattern 4)]	[2] [3]	
<i>Comments: dither box over 2 orbits</i>										

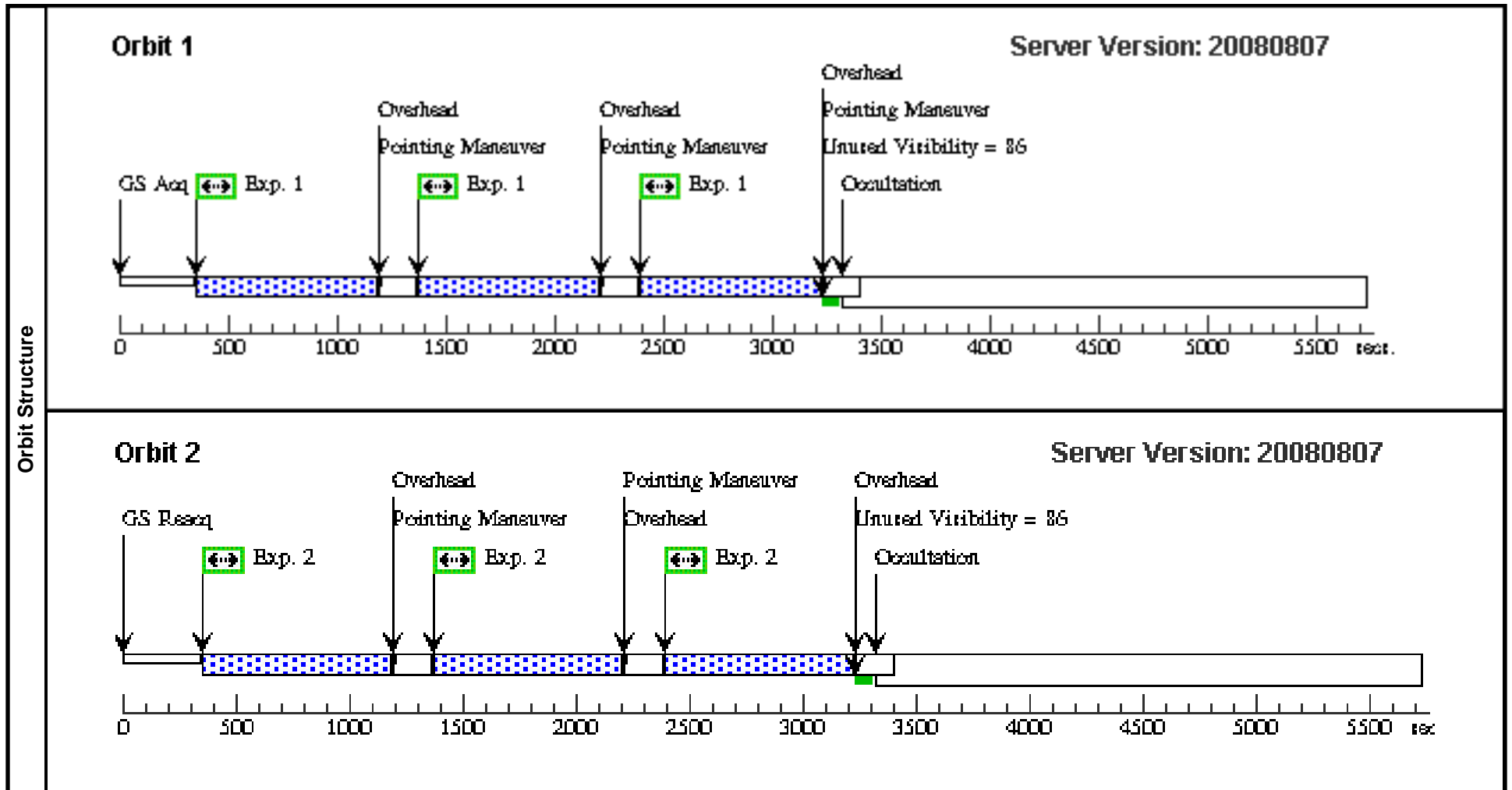




Proposal 11966 - Visit 02 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:09 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 02, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 160D TO 210 D <i>Comments: We would prefer orients above 205 but will take the others.</i>										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(2)	HOLMBERG1	RA: 09 40 34.0362 (145.1418175d) Dec: +71 11 0.40 (71.18344d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(2) HOLMBERG1	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs			
	<i>Comments: 3pt line dither in one orbit</i>									[=>700.0 Secs (Pattern 1)]	[1]
										[=>700.0 Secs (Pattern 2)]	
									[=>700.0 Secs (Pattern 3)]		
2	(2) HOLMBERG1	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO		Pattern 2-2 (2)	700.0 Secs				
<i>Comments: 3pt line dither in one orbit</i>									[=>700.0 Secs (Pattern 1)]	[2]	
									[=>700.0 Secs (Pattern 2)]		
									[=>700.0 Secs (Pattern 3)]		



Proposal 11966 - Visit 03 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:10 GMT 2009

<b>Visit</b>	Proposal 11966, Visit 03, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 145D TO 159 D										
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)		
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>		<b>Miscellaneous</b>			
	(3)	HOLMBERG2A	RA: 08 18 58.4672 (124.7436133d) Dec: +70 43 40.99 (70.72805d) Equinox: J2000			V=20.0+/-1.0		Reference Frame: OTHER			
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(3) HOLMBERG2A	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
<i>Comments: 3pt line dither in one orbit</i>											
<b>Orbit Structure</b>	<b>Orbit 1</b> <div style="float: right;">Server Version: 20080807</div> <p>Timeline labels: GS Acq, Exp. 1, Overhead, Pointing Maneuver, Exp. 1, Overhead, Pointing Maneuver, Exp. 1, Overhead, Occultation, Unused Visibility = 86%</p>										
	<p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>										

Proposal 11966 - Visit 35 - The Recent Star Formation History of SINGS Galaxies

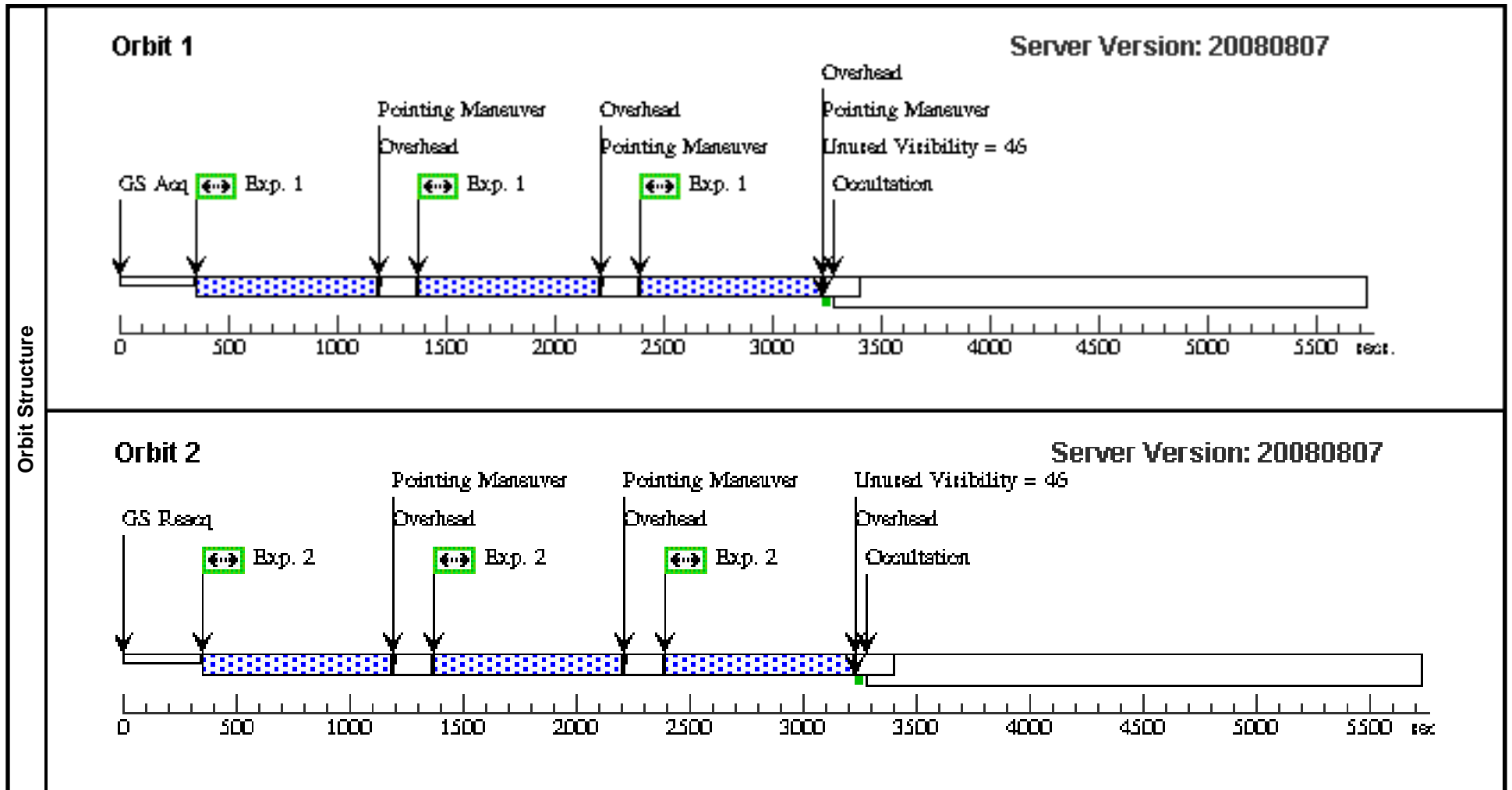
Sat Jan 31 02:04:10 GMT 2009

<b>Visit</b>	Proposal 11966, Visit 35, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 137D TO 184 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>		<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1)		
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>			
	(35)	HOLMBERG2B	RA: 08 19 28.1637 (124.8673487d) Dec: +70 43 9.94 (70.71943d) Equinox: J2000			V=20+/-0.1	Reference Frame: ICRS			
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(35) HOLMBERG2 B	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
<i>Comments: 3pt line dither in one orbit</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b>					<b>Server Version: 20080807</b>				
	<p>The diagram illustrates the timing of the observation sequence within a single orbit. The x-axis represents time in seconds, ranging from 0 to 5500. Key events are marked with arrows: GS Acq at approximately 200s, three exposures (Exp. 1) at approximately 400s, 1400s, and 2400s, three pointing maneuvers at approximately 1200s, 2200s, and 3200s, and an occultation at approximately 3300s. A blue hatched bar represents the total observation period from roughly 300s to 3300s. The text 'Unused Visibility = 86' is displayed in the upper right area of the diagram.</p>									

Proposal 11966 - Visit 04 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:11 GMT 2009

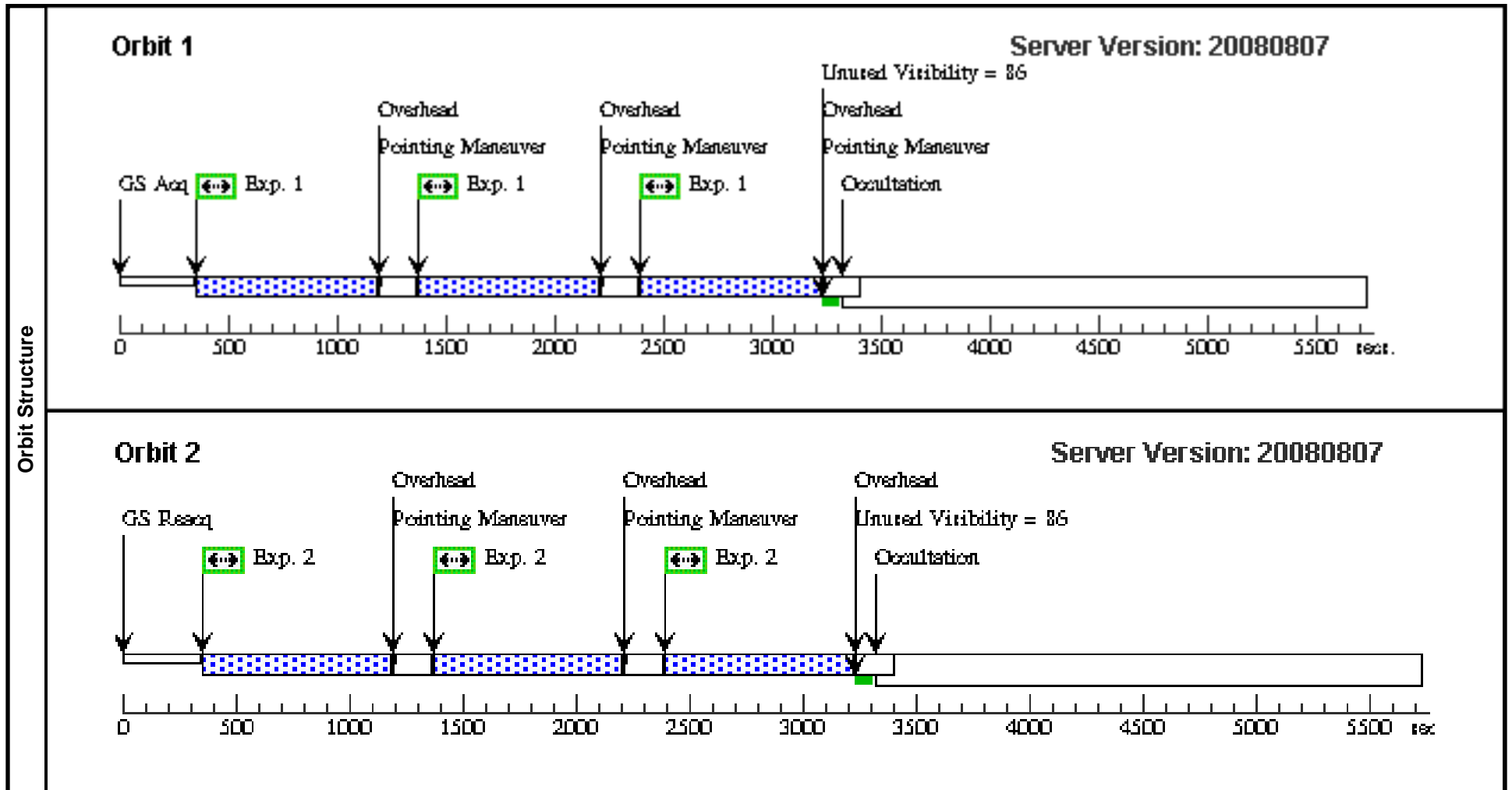
<b>Visit</b>	Proposal 11966, Visit 04, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 164D TO 216 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(4)	HOLMBERG9	RA: 09 57 32.4474 (149.3851975d) Dec: +69 02 43.80 (69.04550d) Equinox: J2000				V=20.0+/-1.0	Reference Frame: OTHER			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(4) HOLMBERG9	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs			
	Comments: 3pt line dither in one orbit									[=>700.0 Secs (Pattern 1)] [=>700.0 Secs (Pattern 2)] [=>700.0 Secs (Pattern 3)]	[1]
2	(4) HOLMBERG9	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO		Pattern 2-2 (2)	700.0 Secs				
Comments: 3pt line dither in one orbit									[=>700.0 Secs (Pattern 1)] [=>700.0 Secs (Pattern 2)] [=>700.0 Secs (Pattern 3)]	[2]	



Proposal 11966 - Visit 05 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:11 GMT 2009

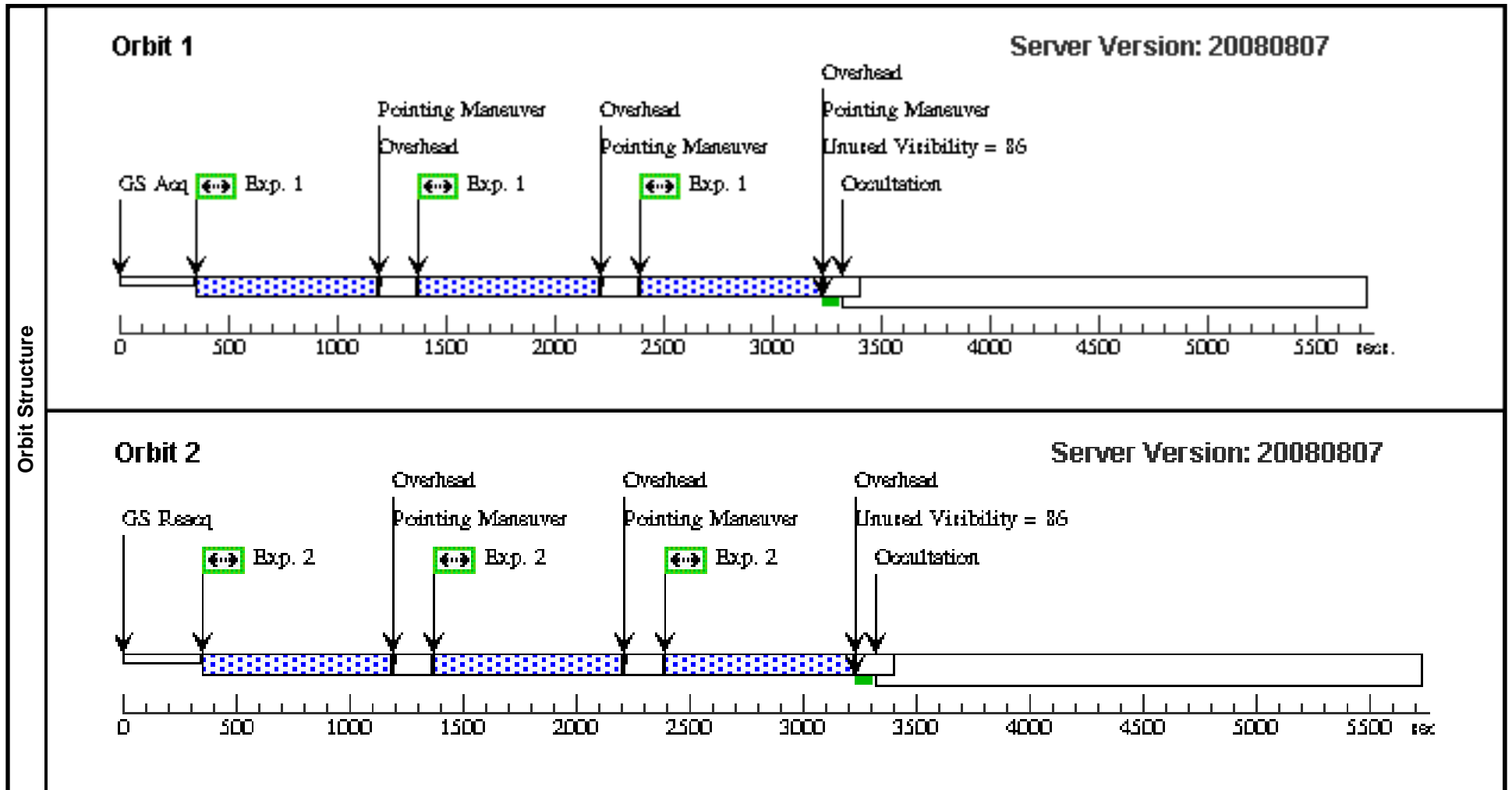
<b>Visit</b>	<b>Proposal 11966, Visit 05, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 223D TO 228.5 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(5)	M81DWA	RA: 08 23 59.7751 (125.9990629d) Dec: +71 02 4.29 (71.03452d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(5) M81DWA	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs		
									[==>700.0 Secs (Pattern 1)]		
									[==>700.0 Secs (Pattern 2)]		
									[==>700.0 Secs (Pattern 3)]	[1]	
<i>Comments: 3pt line dither in one orbit</i>											
2		(5) M81DWA	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO		Pattern 2-2 (2)	700.0 Secs			
									[==>(Pattern 1)]		
									[==>(Pattern 2)]		
									[==>(Pattern 3)]	[2]	
<i>Comments: 3pt line dither in one orbit</i>											



Proposal 11966 - Visit 06 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:12 GMT 2009

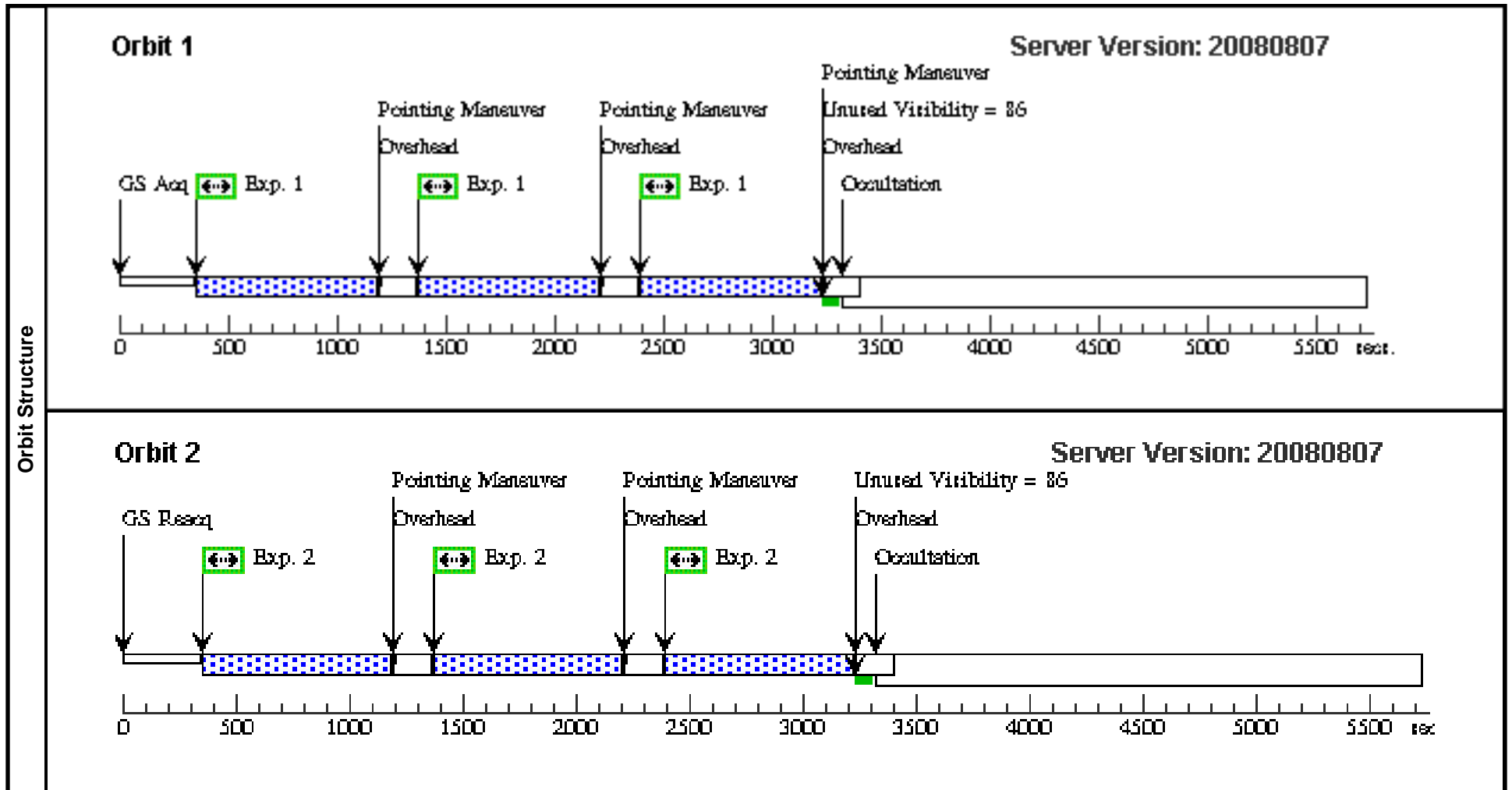
<b>Visit</b>	<b>Proposal 11966, Visit 06, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 240D TO 260 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(6)	M81DWB	RA: 10 05 38.2167 (151.4092362d) Dec: +70 21 40.19 (70.36116d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(6) M81DWB	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO			Pattern 1-1 (2)	700.0 Secs		
	Comments: 3pt line dither in one orbit									[==>700.0 Secs (Pattern 1)] [==>700.0 Secs (Pattern 2)] [==>700.0 Secs (Pattern 3)]	[1]
2	(6) M81DWB	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO				Pattern 2-2 (2)	700.0 Secs		
Comments: 3pt line dither in one orbit									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	



Proposal 11966 - Visit 49 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:12 GMT 2009

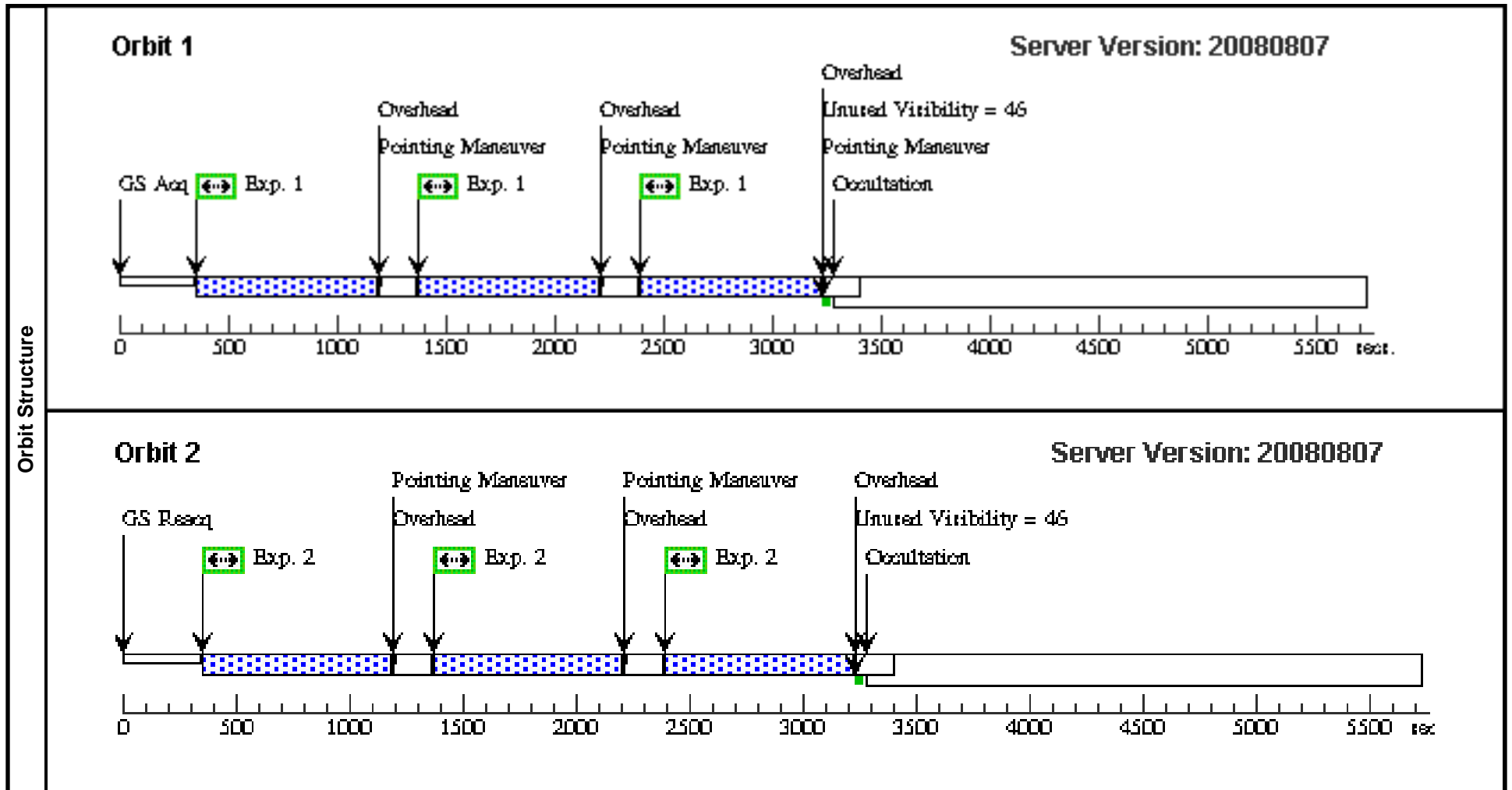
<b>Visit</b>	<b>Proposal 11966, Visit 49, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 177D TO 202 D Comments: HOPR repeat of visit 6.										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(49)	M81-DWB-2	RA: 10 05 31.1550 (151.3798125d) Dec: +70 21 58.20 (70.36617d) Equinox: J2000				V=12	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(49) M81-DWB-2	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>700.0 Secs (Pattern 2)] [==>700.0 Secs (Pattern 3)]		[1]	
	Comments: 3pt line dither in one orbit										
2	(49) M81-DWB-2	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO		Pattern 2-2 (2)	700.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[2]		
Comments: 3pt line dither in one orbit											



Proposal 11966 - Visit 07 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:12 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 07, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 246D TO 256 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>	
	(7)	NGC2976	RA: 09 47 24.7892 (146.8532883d) Dec: +67 54 30.19 (67.90839d) Equinox: J2000				V=20.0+/-1.0		Reference Frame: OTHER	
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(7) NGC2976	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs	
	<i>Comments: 3pt line dither in one orbit</i>									
	[=>700.0 Secs (Pattern 1)] [=>700.0 Secs (Pattern 2)] [=>700.0 Secs (Pattern 3)]									[1]
2		(7) NGC2976	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO			Pattern 2-2 (2)	700.0 Secs	
<i>Comments: 3pt line dither in one orbit</i>										
[=>700.0 Secs (Pattern 1)] [=>700.0 Secs (Pattern 2)] [=>700.0 Secs (Pattern 3)]									[2]	



Proposal 11966 - Visit 08 - The Recent Star Formation History of SINGS Galaxies

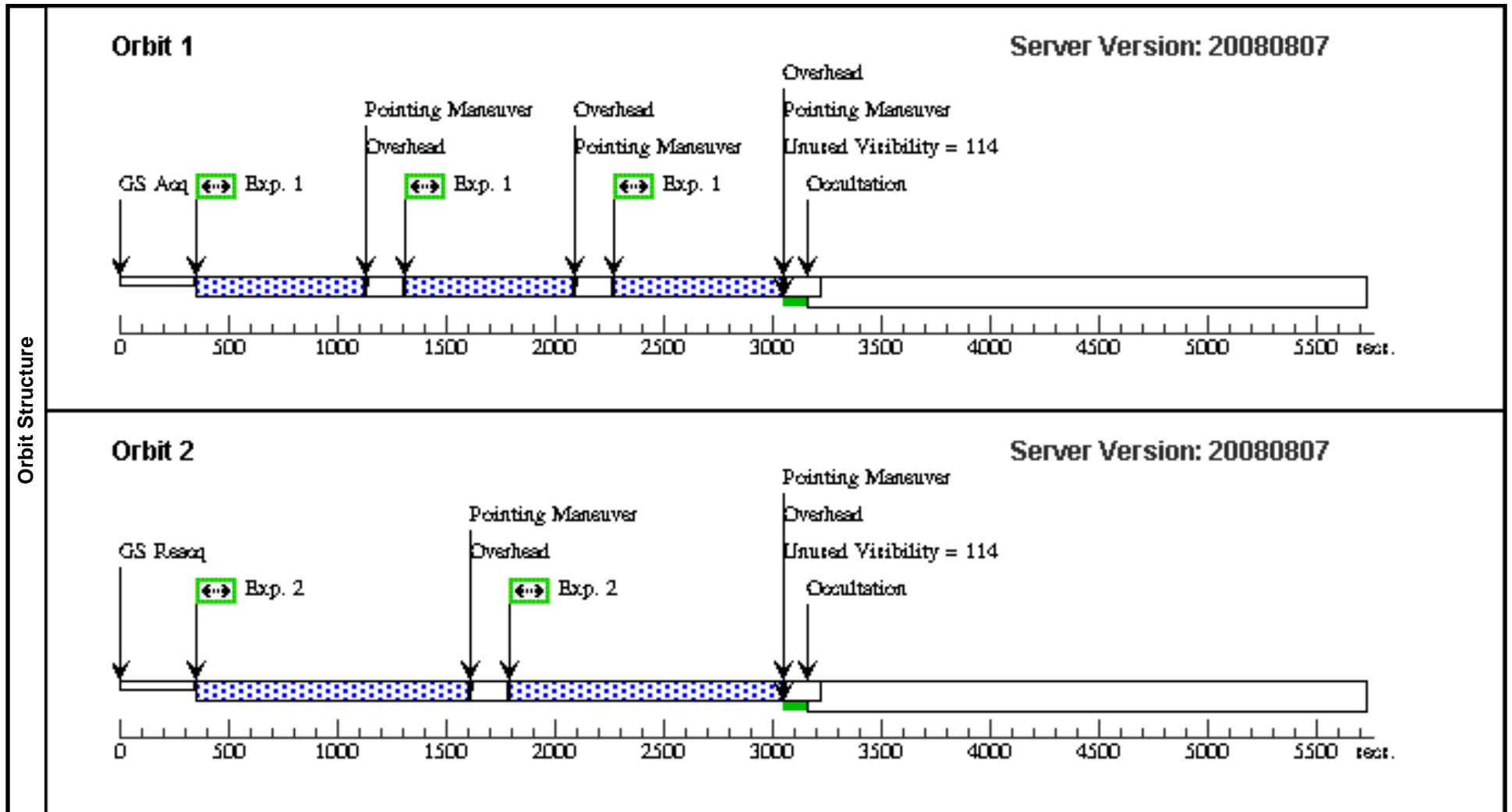
Sat Jan 31 02:04:13 GMT 2009

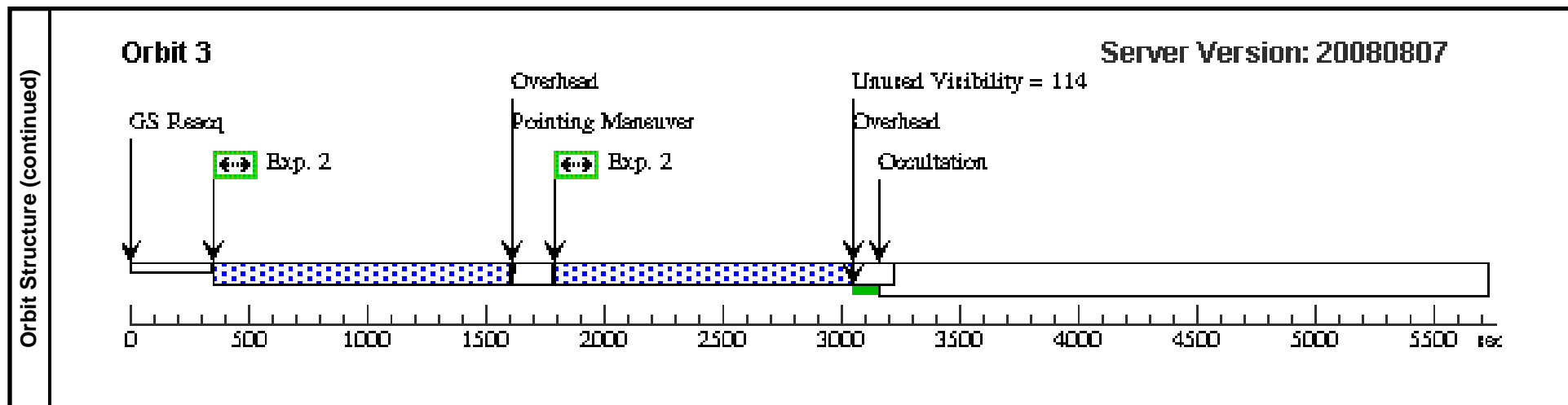
<b>Visit</b>	Proposal 11966, Visit 08, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 225D TO 235 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>		<b>Miscellaneous</b>		
	(8)	NGC3034	RA: 09 56 7.3291 (149.0305379d) Dec: +69 41 8.12 (69.68559d) Equinox: J2000			V=20.0+/-1.0		Reference Frame: OTHER		
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(8) NGC3034	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>700.0 Secs (Pattern 2)] [==>700.0 Secs (Pattern 3)]	[1]	
<i>Comments: 3pt line dither in one orbit</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b> <span style="float: right;"><b>Server Version: 20080807</b></span>									
	<p>Unused Visibility = 46</p>									

Proposal 11966 - Visit 09 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:13 GMT 2009

Visit	<b>Proposal 11966, Visit 09, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 218D TO 239 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
Patterns		(1)	Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false				(2)		
	(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(9)	NGC3184	RA: 10 18 15.5429 (154.5647621d) Dec: +41 26 38.20 (41.44394d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) NGC3184	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs [=>600.0 Secs (Pattern 1)] [=>600.0 Secs (Pattern 2)] [=>600.0 Secs (Pattern 3)]	[1]
<i>Comments: 3pt line dither in one orbit</i>										
2		(9) NGC3184	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 2-2 (1)	1100.0 Secs [=>1100.0 Secs (Pattern 1)] [=>1100.0 Secs (Pattern 2)] [=>1100.0 Secs (Pattern 3)] [=>1100.0 Secs (Pattern 4)]	[2] [3]	
<i>Comments: dither box over 2 orbits</i>										

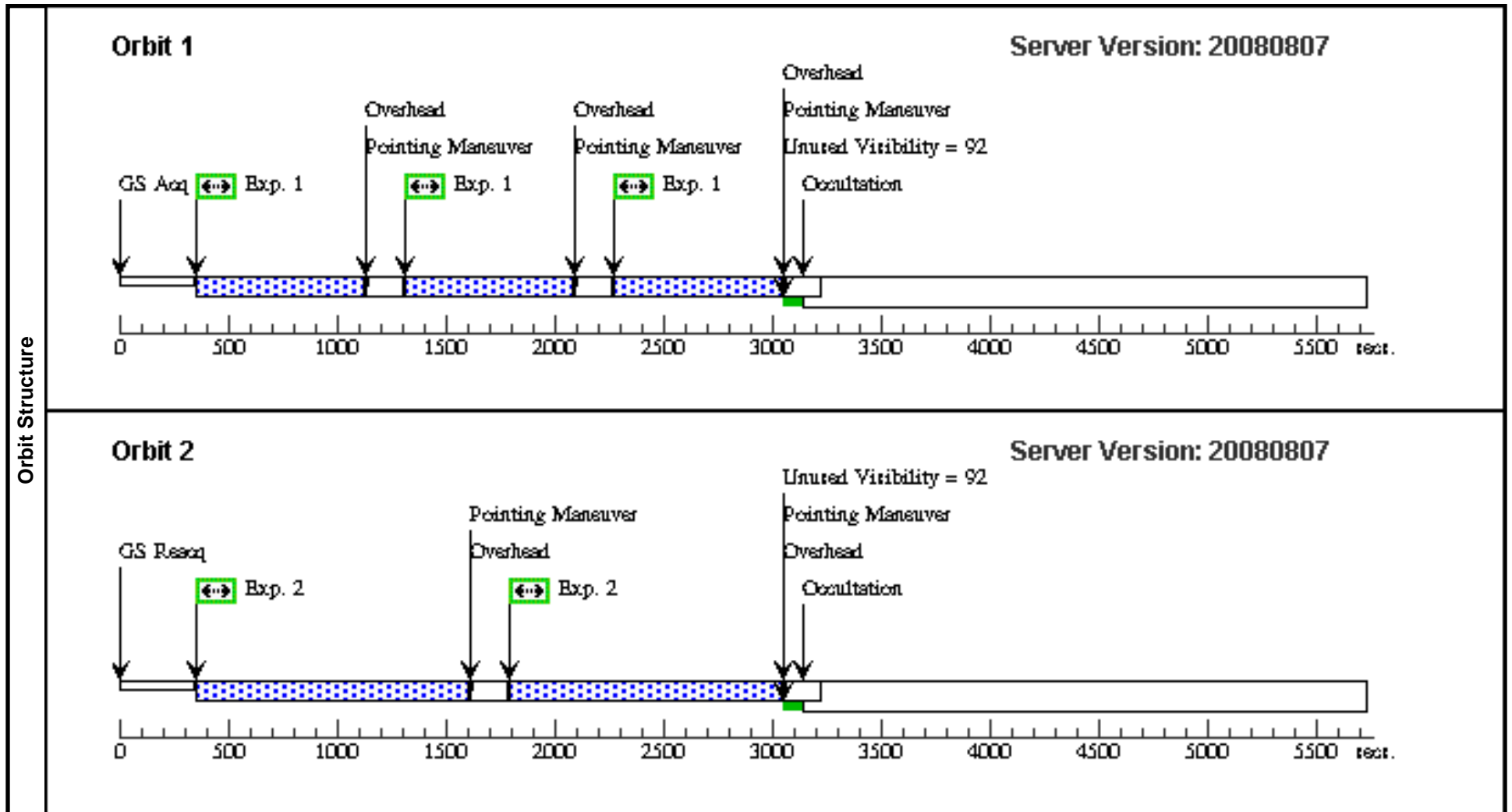


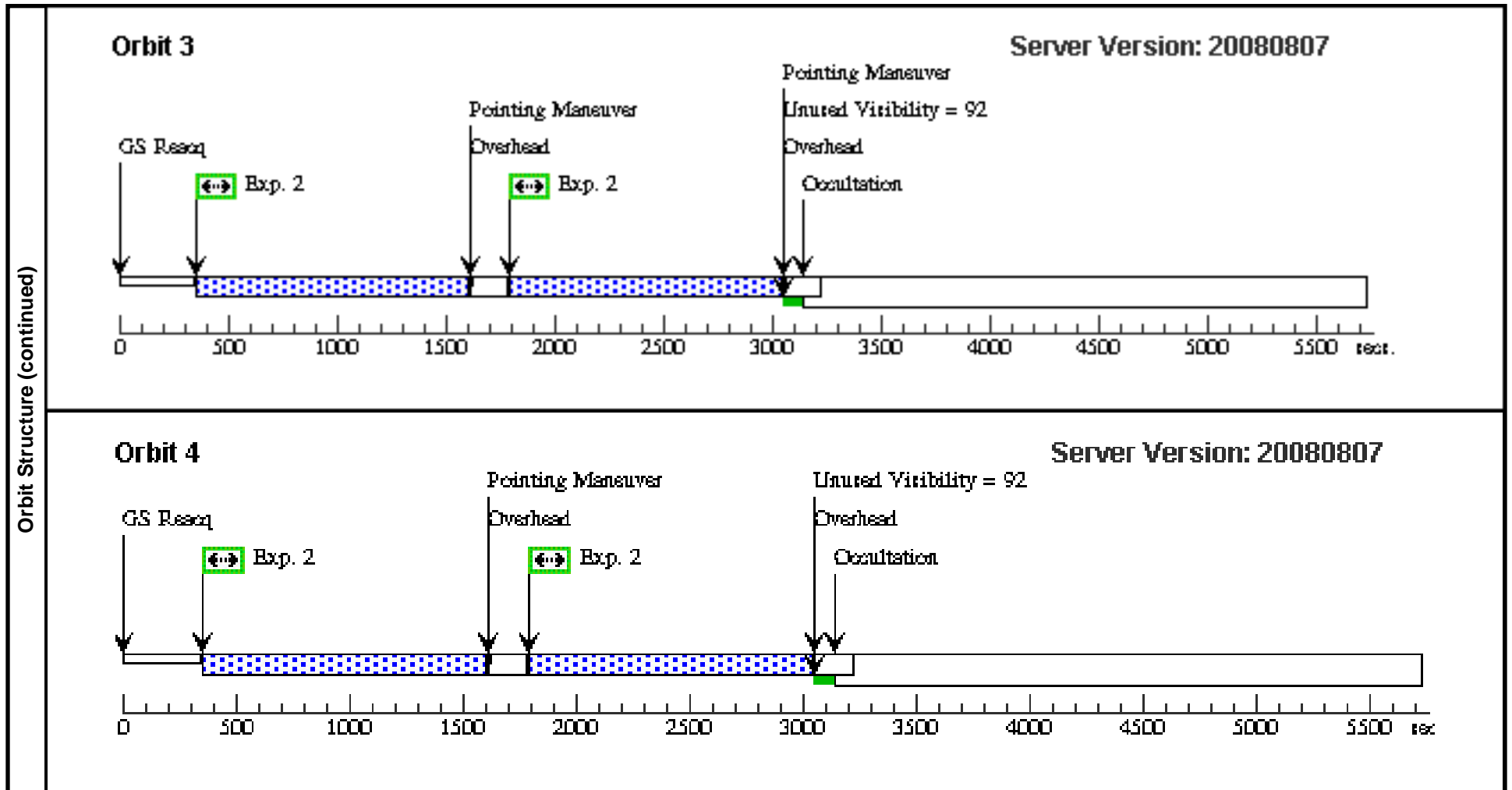


Proposal 11966 - Visit 10 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:14 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 10, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 256D TO 272 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)		
(3)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.249 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(2)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(10)	NGC3190	RA: 10 18 7.1959 (154.5299829d) Dec: +21 49 49.00 (21.83028d) Equinox: J2000		V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(10) NGC3190	WFPC2, IMAGE, WF3	F658N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
<i>Comments: 3pt line dither in one orbit</i>										
2	(10) NGC3190	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 2-2 (3)	1100.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)] [=>(Pattern 3,1)] [=>(Pattern 3,2)]	[2] [3] [4]		
<i>Comments: 3pt dither line with 2 sub-dithers at each point, spread over 3 orbits.</i>										

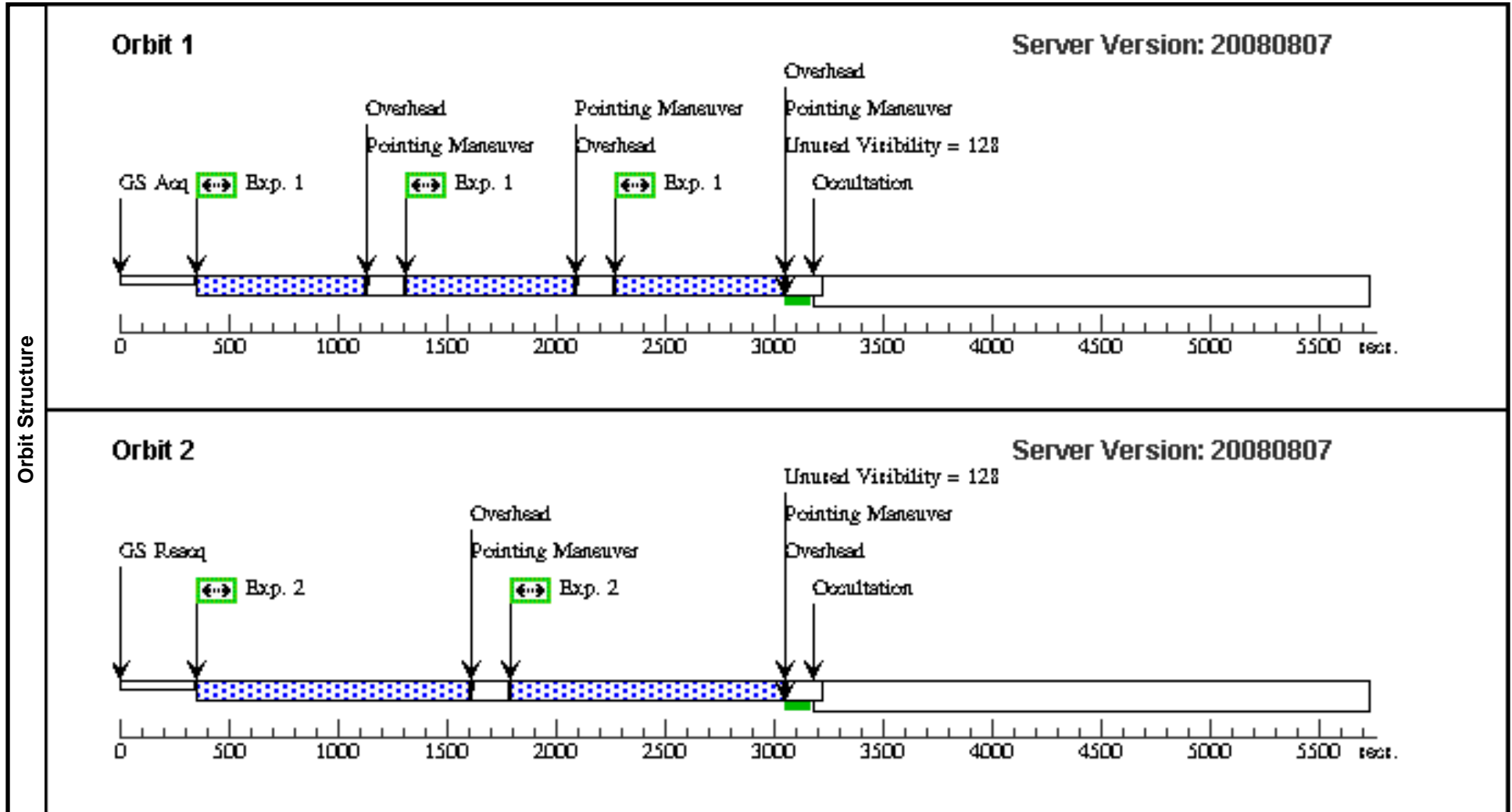


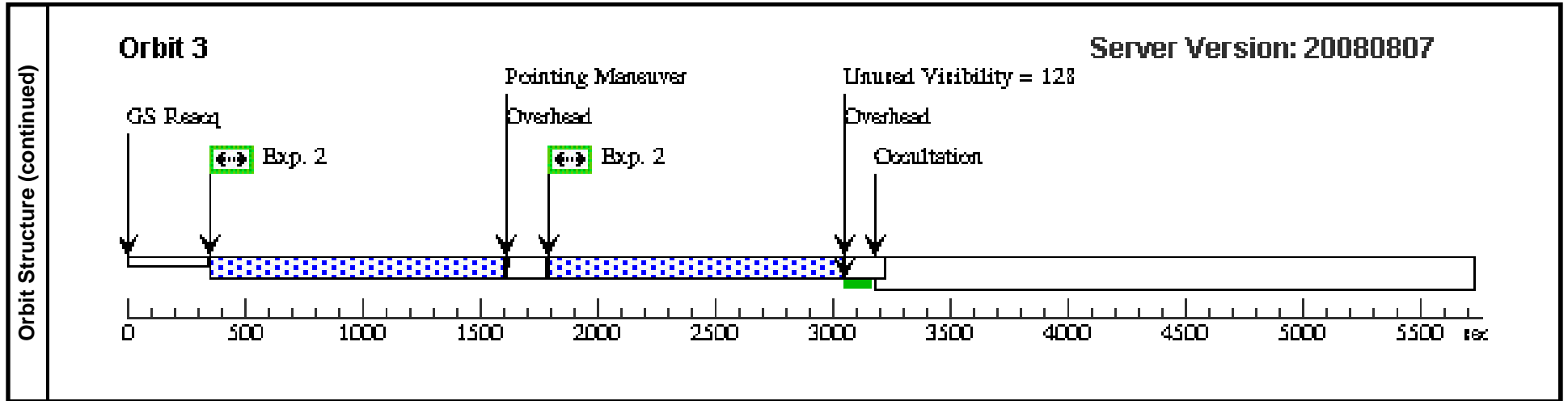


Proposal 11966 - Visit 11 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:14 GMT 2009

Visit	<b>Proposal 11966, Visit 11, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 265D TO 275 D									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
Patterns		(1)	Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false					(2)	
	(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(11)	NGC3198	RA: 10 20 2.8582 (155.0119092d) Dec: +45 34 20.02 (45.57223d) Equinox: J2000				V=20.0+/-1.0		Reference Frame: OTHER	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) NGC3198	WFPC2, IMAGE, WFALL-FIX	F658N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs [=>600.0 Secs (Pattern 1)] [=>600.0 Secs (Pattern 2)] [=>600.0 Secs (Pattern 3)]	[1]
<i>Comments: 3pt line dither in one orbit</i>										
2		(11) NGC3198	WFPC2, IMAGE, WFALL-FIX	F336W	CR-SPLIT=NO		Pattern 2-2 (1)	1100.0 Secs [=>1100.0 Secs (Pattern 1)] [=>1100.0 Secs (Pattern 2)] [=>1100.0 Secs (Pattern 3)] [=>1100.0 Secs (Pattern 4)]	[2] [3]	
<i>Comments: dither box over 2 orbits</i>										

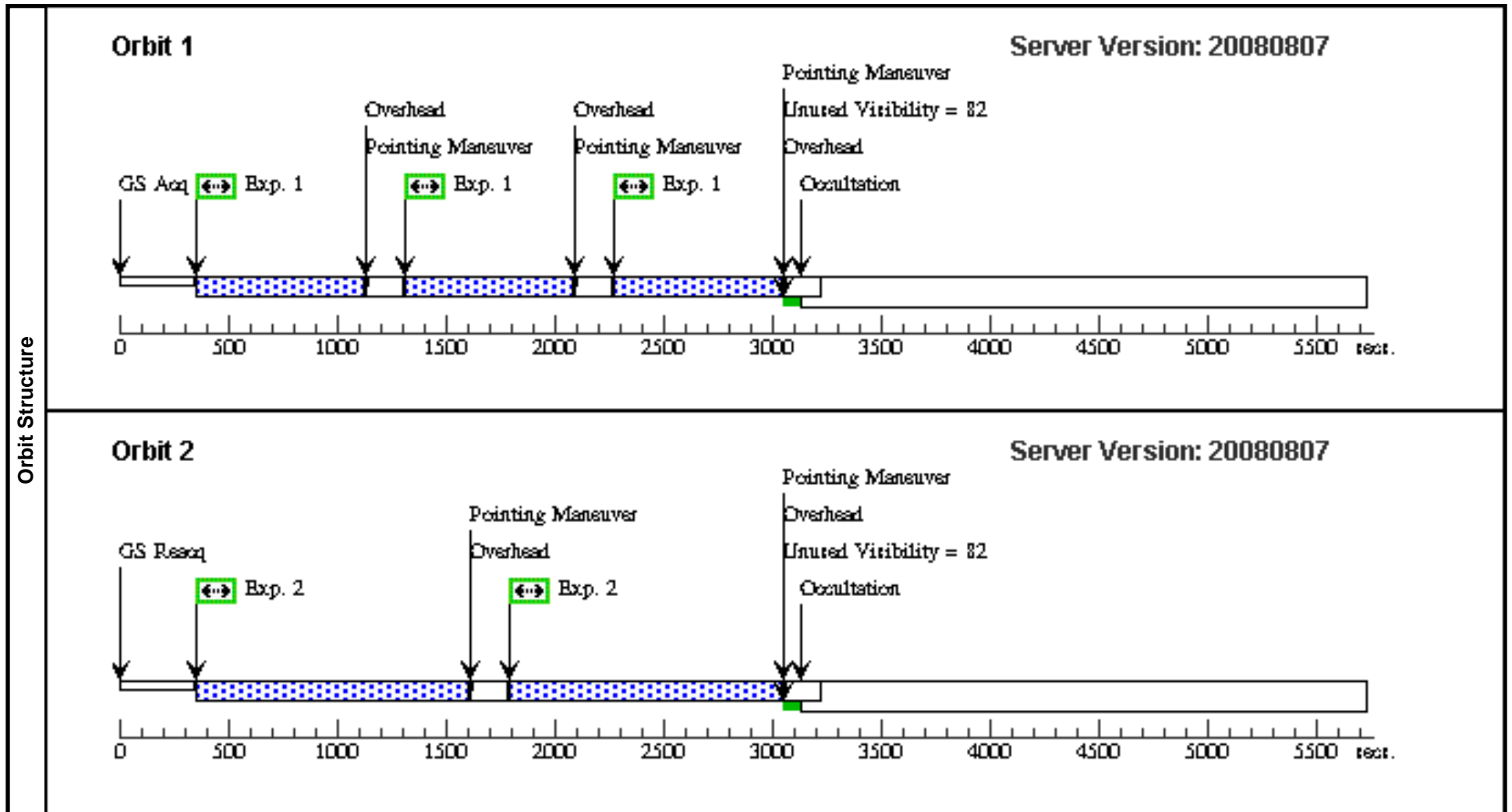


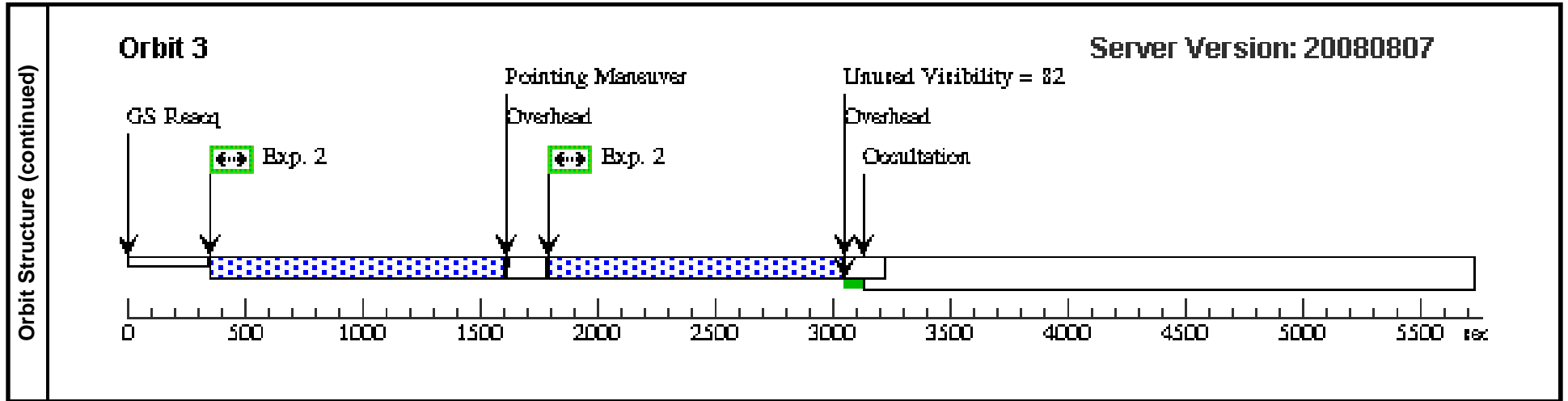


Proposal 11966 - Visit 12 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:16 GMT 2009

Visit	<b>Proposal 11966, Visit 12, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 287D TO 297 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
Patterns		(1)	Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false				(2)		
	(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(12)	NGC3351	RA: 10 43 53.8602 (160.9744175d) Dec: +11 41 20.60 (11.68906d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) NGC3351	WFPC2, IMAGE, WFALL-FIX	F658N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs [=>600.0 Secs (Pattern 1)] [=>600.0 Secs (Pattern 2)] [=>600.0 Secs (Pattern 3)]	[1]
<i>Comments: 3pt line dither in one orbit</i>										
2		(12) NGC3351	WFPC2, IMAGE, WFALL-FIX	F336W	CR-SPLIT=NO		Pattern 2-2 (1)	1100.0 Secs [=>1100.0 Secs (Pattern 1)] [=>1100.0 Secs (Pattern 2)] [=>1100.0 Secs (Pattern 3)] [=>1100.0 Secs (Pattern 4)]	[2] [3]	
<i>Comments: dither box over 2 orbits</i>										

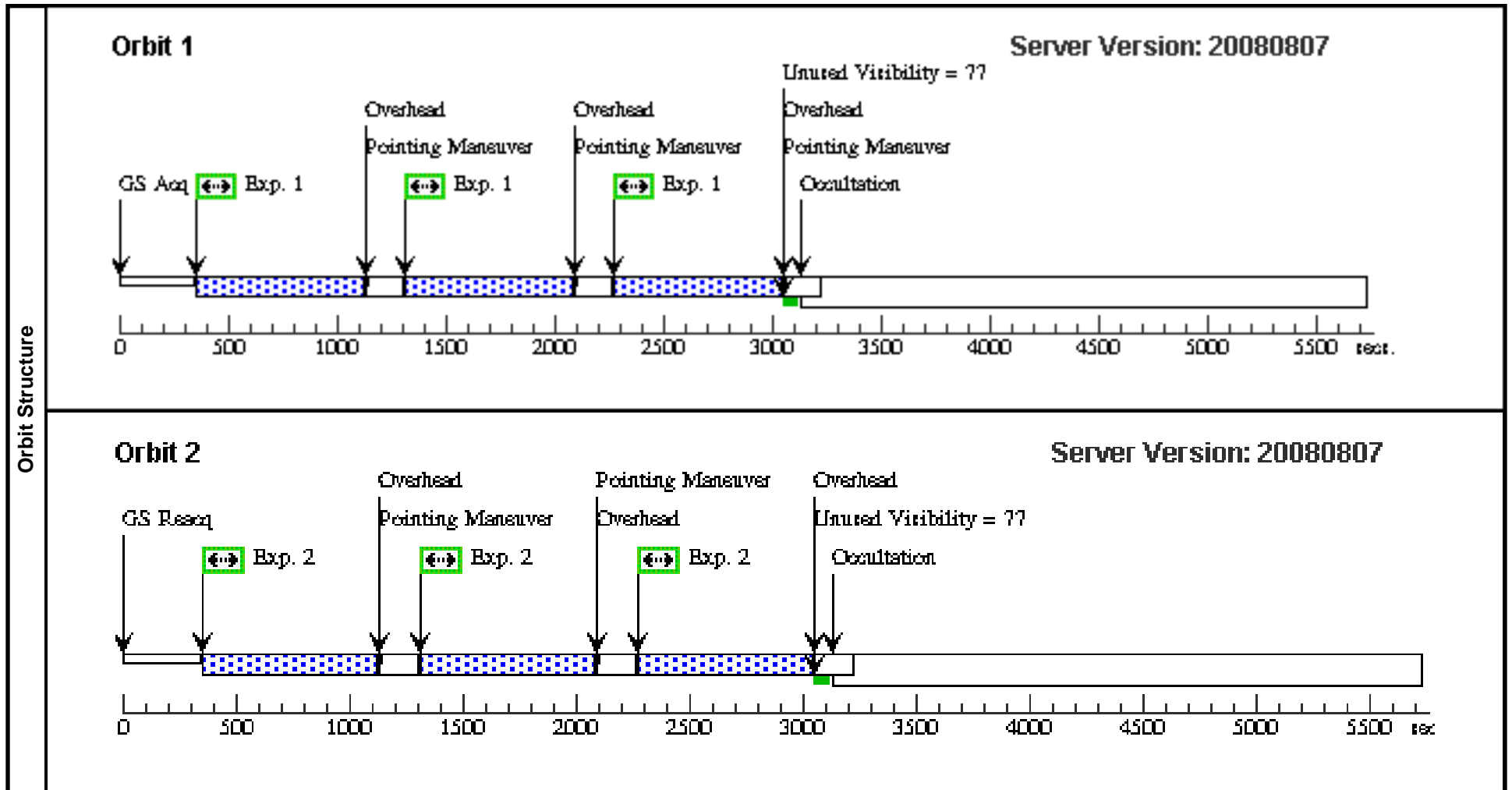




Proposal 11966 - Visit 13 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:16 GMT 2009

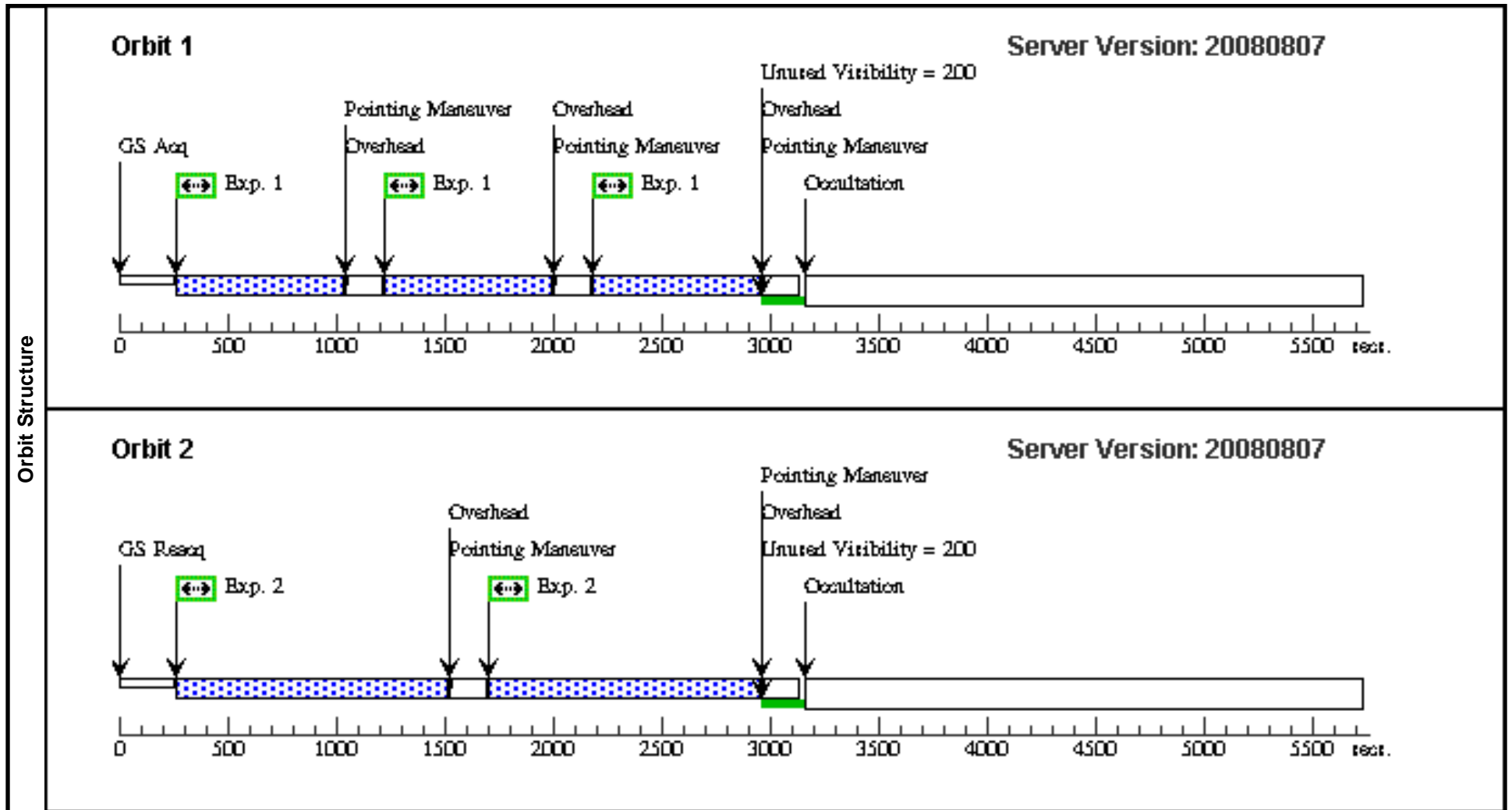
<b>Visit</b>	<b>Proposal 11966, Visit 13, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 286D TO 296 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(13)	NGC3521	RA: 11 05 48.5733 (166.4523888d) Dec: -00 02 4.00 (-.03444d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(13) NGC3521	WFPC2, IMAGE, WFALL	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs [=>600.0 Secs (Pattern 1)] [=>600.0 Secs (Pattern 2)] [=>600.0 Secs (Pattern 3)]		[1]	
	<i>Comments: 3pt line dither in one orbit</i>										
2	(13) NGC3521	WFPC2, IMAGE, WFALL	F658N	CR-SPLIT=NO			Pattern 2-2 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[2]	
<i>Comments: 3pt line dither in one orbit</i>											

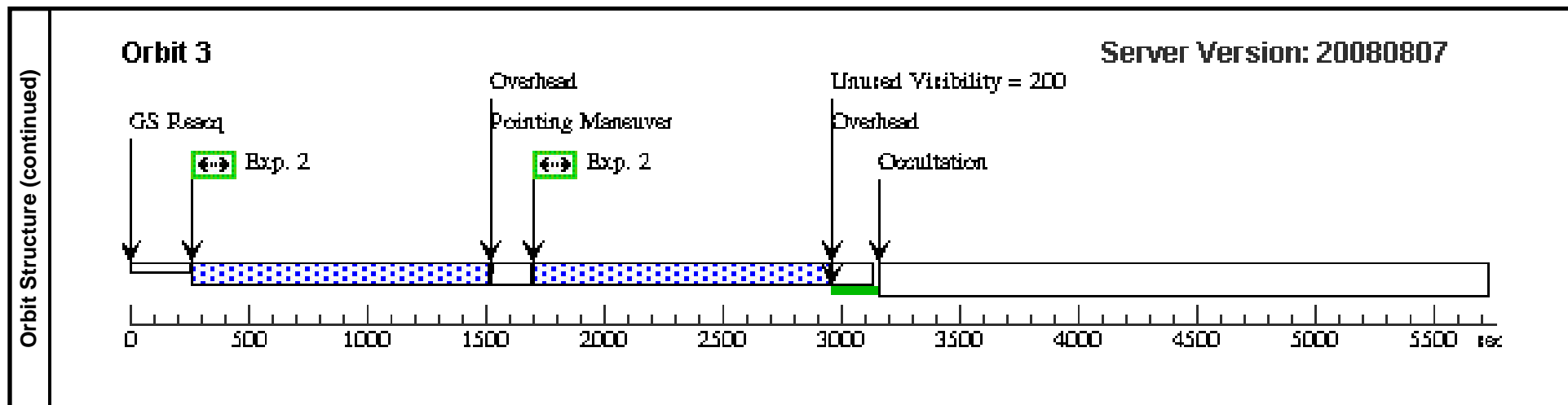


Proposal 11966 - Visit 14 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:17 GMT 2009

Visit	<b>Proposal 11966, Visit 14, implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 200D TO 268 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
Patterns		(1)	Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false						(2)	
	(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(14)	NGC3938	RA: 11 52 48.0521 (178.2002171d) Dec: +44 06 19.00 (44.10528d) Equinox: J2000			V=20.0+/-1.0		Reference Frame: OTHER			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(14) NGC3938	WFPC2, IMAGE, PC1	F658N	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Pattern 1-1 (2)	700.0 Secs [=>600.0 Secs (Pattern 1)] [=>600.0 Secs (Pattern 2)] [=>600.0 Secs (Pattern 3)]	[1]	
<i>Comments: 3pt line dither in one orbit</i>											
2		(14) NGC3938	WFPC2, IMAGE, PC1	F336W	CR-SPLIT=NO		Pattern 2-2 (1)	1100.0 Secs [=>1100.0 Secs (Pattern 1)] [=>1100.0 Secs (Pattern 2)] [=>1100.0 Secs (Pattern 3)] [=>1100.0 Secs (Pattern 4)]	[2] [3]		
<i>Comments: dither box over 2 orbits</i>											

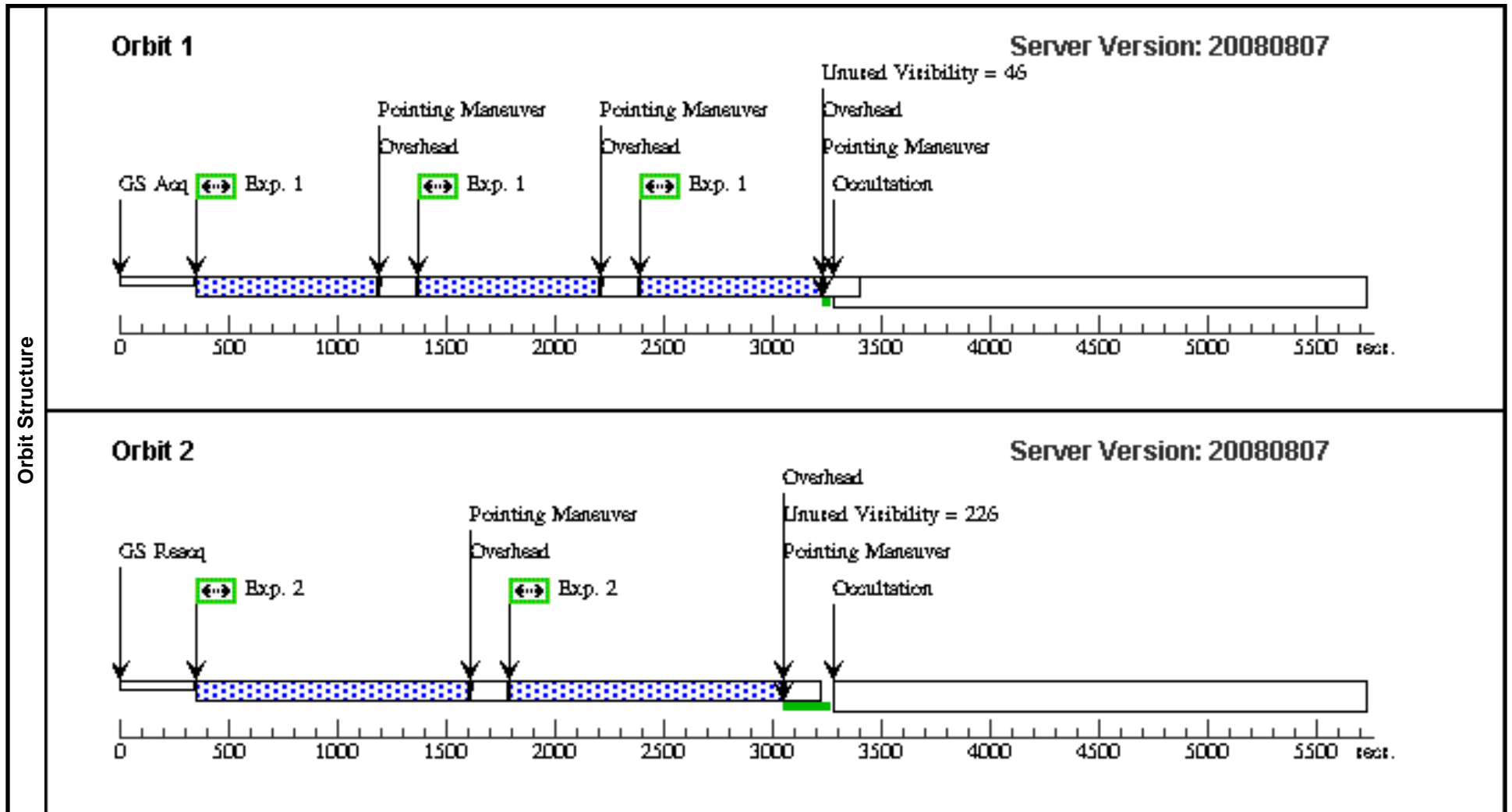


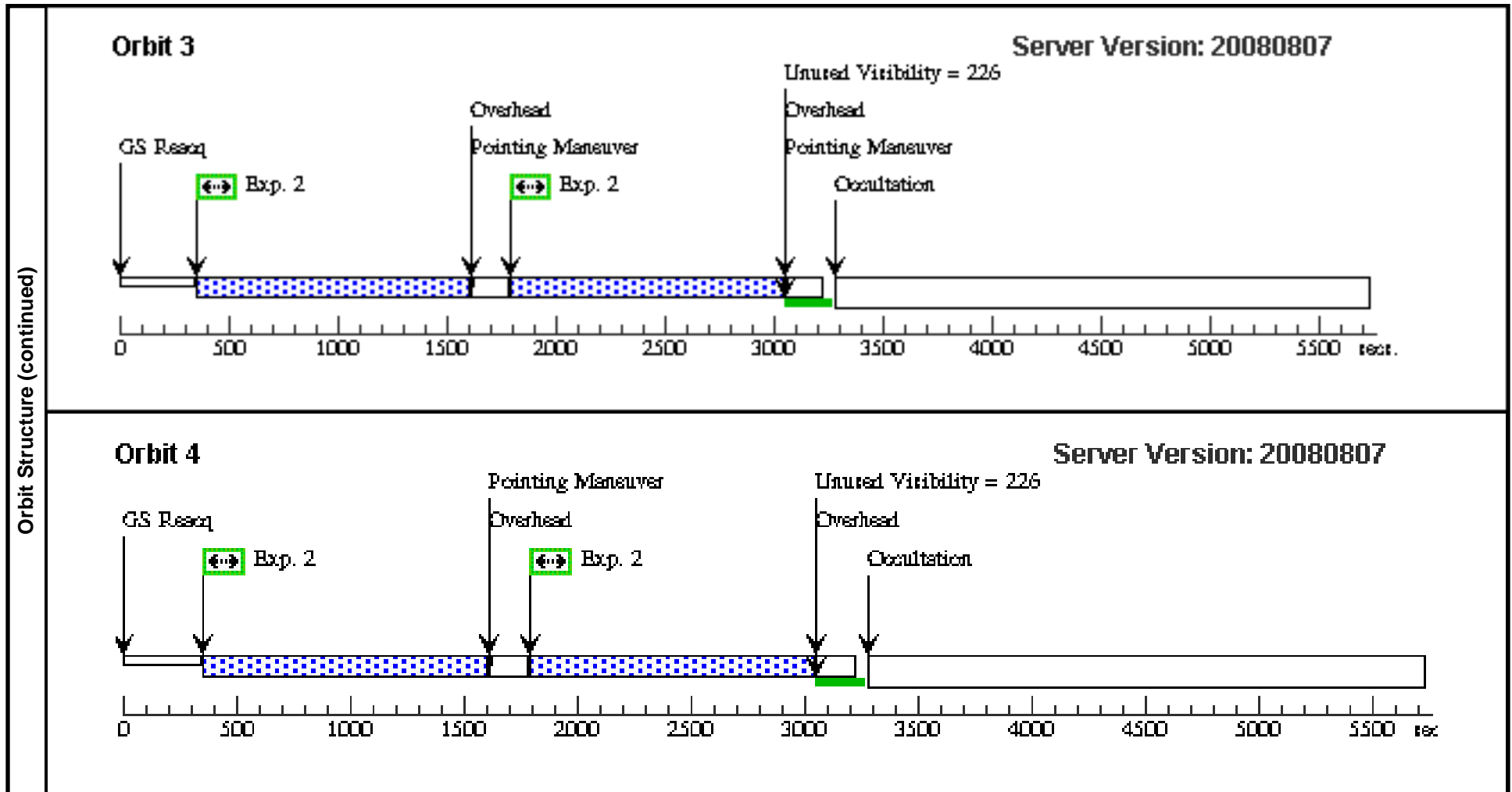


Proposal 11966 - Visit 15 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:18 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 15, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 218D TO 238 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)		
(3)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.249 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>			
	(15)	NGC4125	RA: 12 08 3.1433 (182.0130971d) Dec: +65 09 42.10 (65.16169d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(15) NGC4125	WFPC2, IMAGE, PC1	F658N	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
	<i>Comments: 3pt line dither in one orbit</i>									
	2	(15) NGC4125	WFPC2, IMAGE, PC1	F336W	CR-SPLIT=NO		Pattern 2-2 (3)	1100.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)] [=>(Pattern 3,1)] [=>(Pattern 3,2)]	[2] [3] [4]	
	<i>Comments: 3pt dither line with 2 sub-dithers at each point, spread over 3 orbits.</i>									

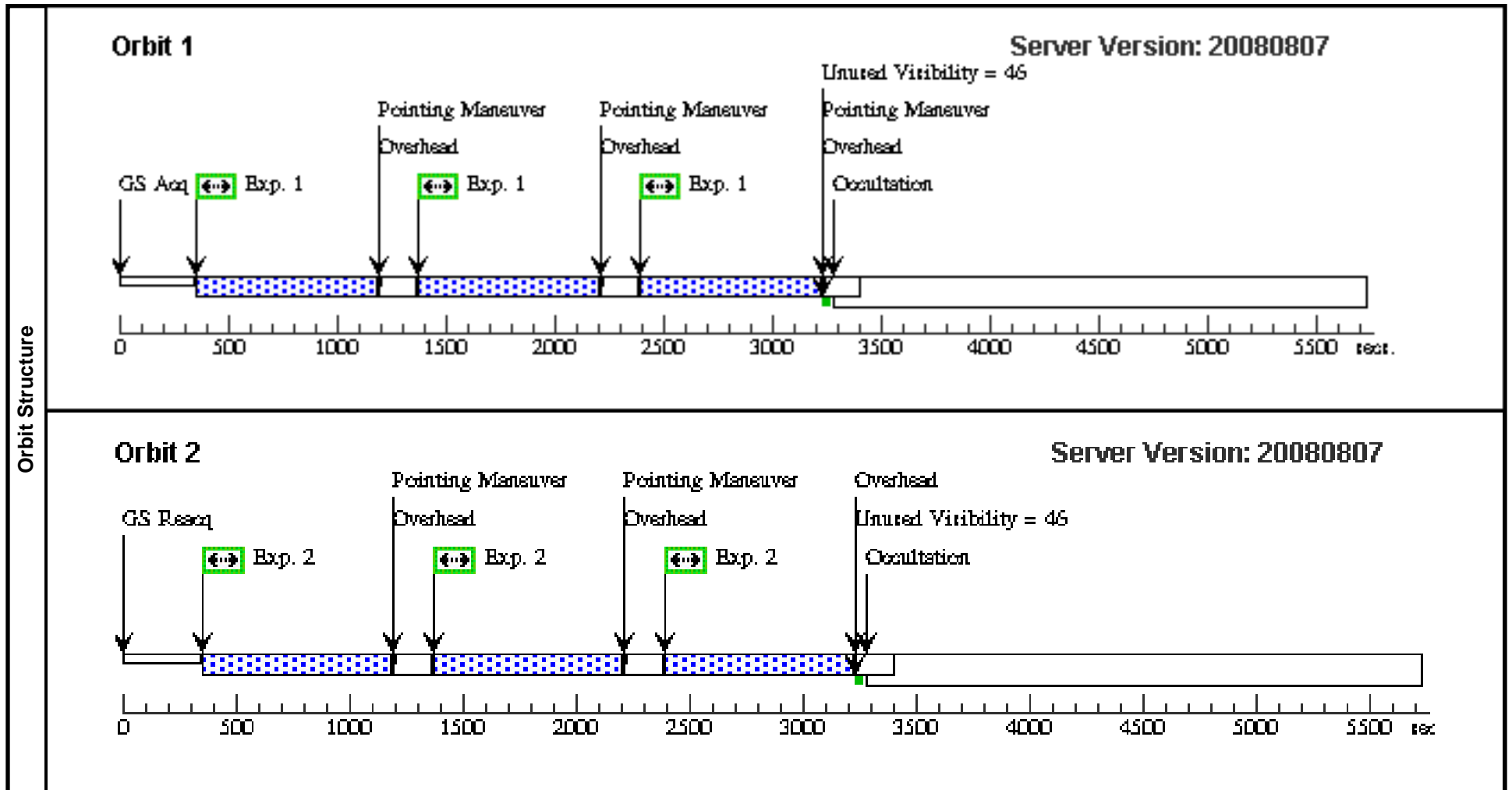




Proposal 11966 - Visit 16 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:18 GMT 2009

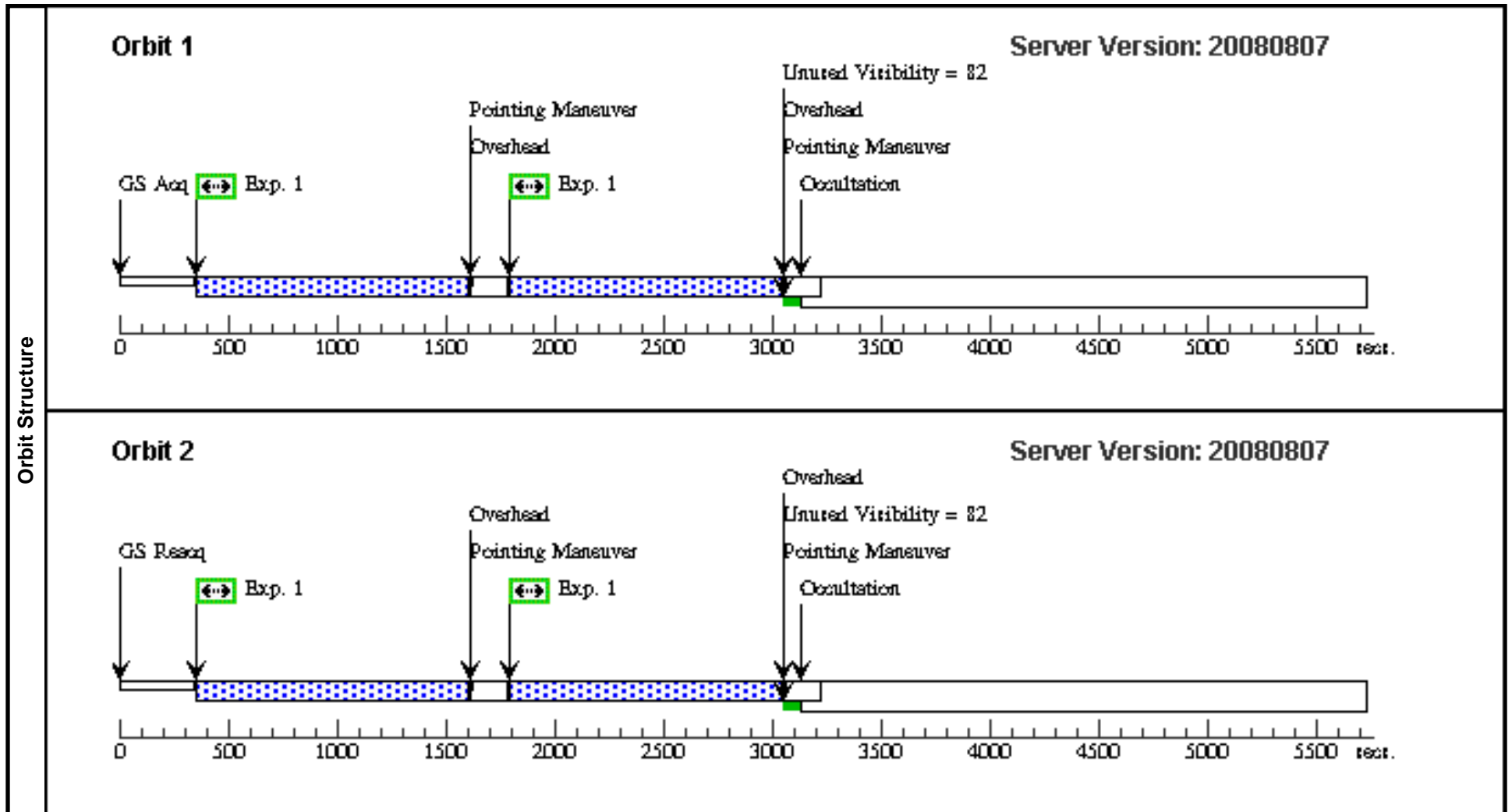
<b>Visit</b>	<b>Proposal 11966, Visit 16, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 277D TO 297 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>		<b>Miscellaneous</b>			
	(16)	NGC4236	RA: 12 16 53.5745 (184.2232271d) Dec: +69 25 46.92 (69.42970d) Equinox: J2000			V=20.0+/-1.0		Reference Frame: OTHER			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(16) NGC4236	WFPC2, IMAGE, WF3-FIX	F656N	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs		
									[=>700.0 Secs (Pattern 1)]		
									[=>700.0 Secs (Pattern 2)]		[1]
									[=>700.0 Secs (Pattern 3)]		
	<i>Comments: 3pt line dither in one orbit</i>										
2		(16) NGC4236	WFPC2, IMAGE, WF3-FIX	F336W	CR-SPLIT=NO			Pattern 2-2 (2)	700.0 Secs		
									[=>700.0 Secs (Pattern 1)]		
									[=>700.0 Secs (Pattern 2)]		[2]
									[=>700.0 Secs (Pattern 3)]		
	<i>Comments: 3pt line dither in one orbit</i>										

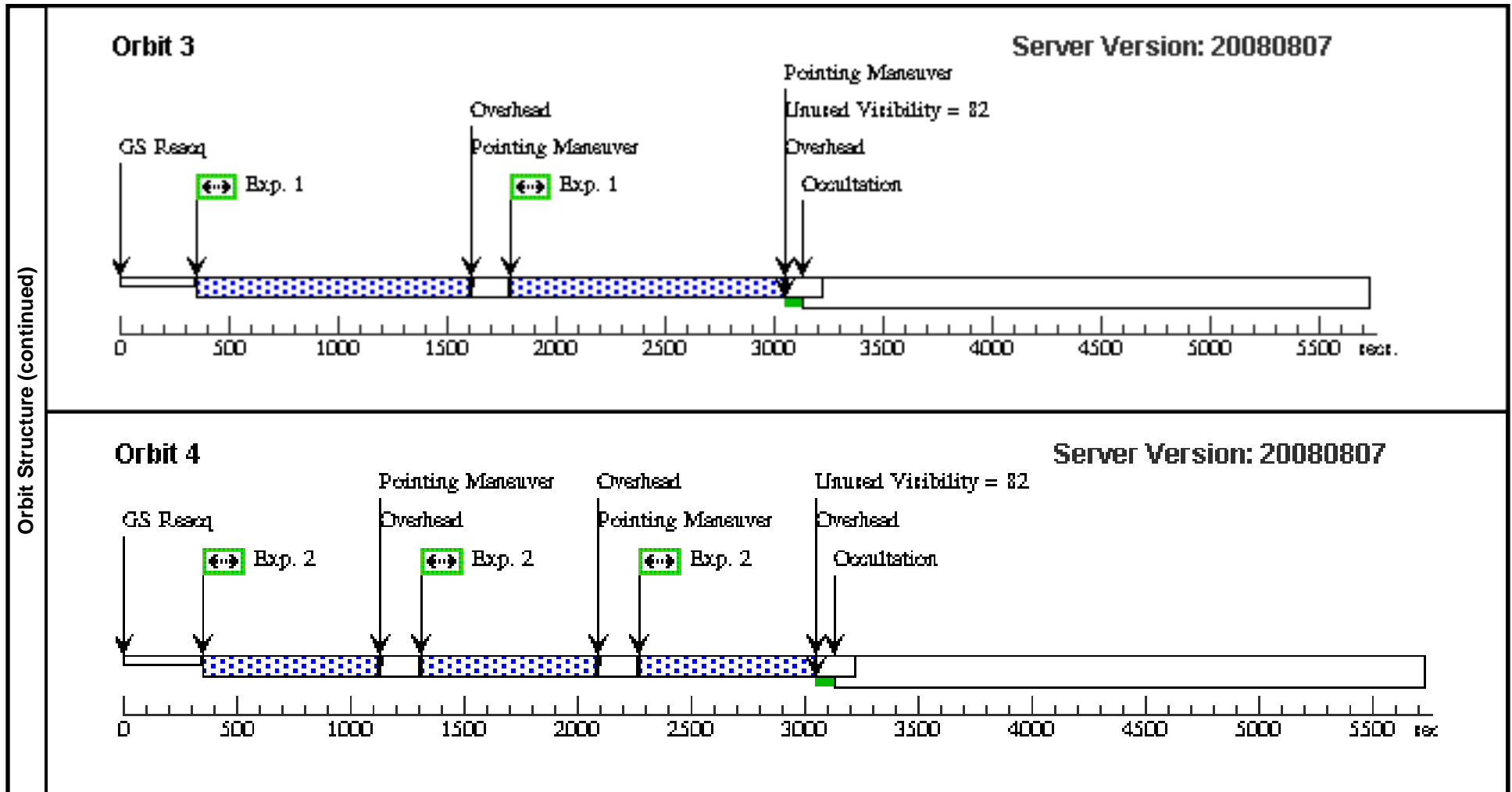


Proposal 11966 - Visit 17 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:19 GMT 2009

Visit	<b>Proposal 11966, Visit 17, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 285D TO 305 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
Patterns		(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(2)		
	(3)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.249 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	NGC4254	RA: 12 18 45.8826 (184.6911775d) Dec: +14 25 19.31 (14.42203d) Equinox: J2000		V=20.0+/-1.0	Reference Frame: OTHER				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(17) NGC4254	WFPC2, IMAGE, PC1	F336W	CR-SPLIT=NO		Pattern 1-1 (3)	1100.0 Secs [=>1100.0 Secs (Pattern 1,1)] [=>1100.0 Secs (Pattern 1,2)] [=>1100.0 Secs (Pattern 2,1)] [=>1100.0 Secs (Pattern 2,2)] [=>1100.0 Secs (Pattern 3,1)] [=>1100.0 Secs (Pattern 3,2)]	[1] [2] [3]
<i>Comments: 3pt dither line with 2 sub-dithers at each point, spread over 3 orbits.</i>										
2		(17) NGC4254	WFPC2, IMAGE, PC1	F814W	CR-SPLIT=NO		Pattern 2-2 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[4]	
<i>Comments: 3pt line dither in one orbit</i>										

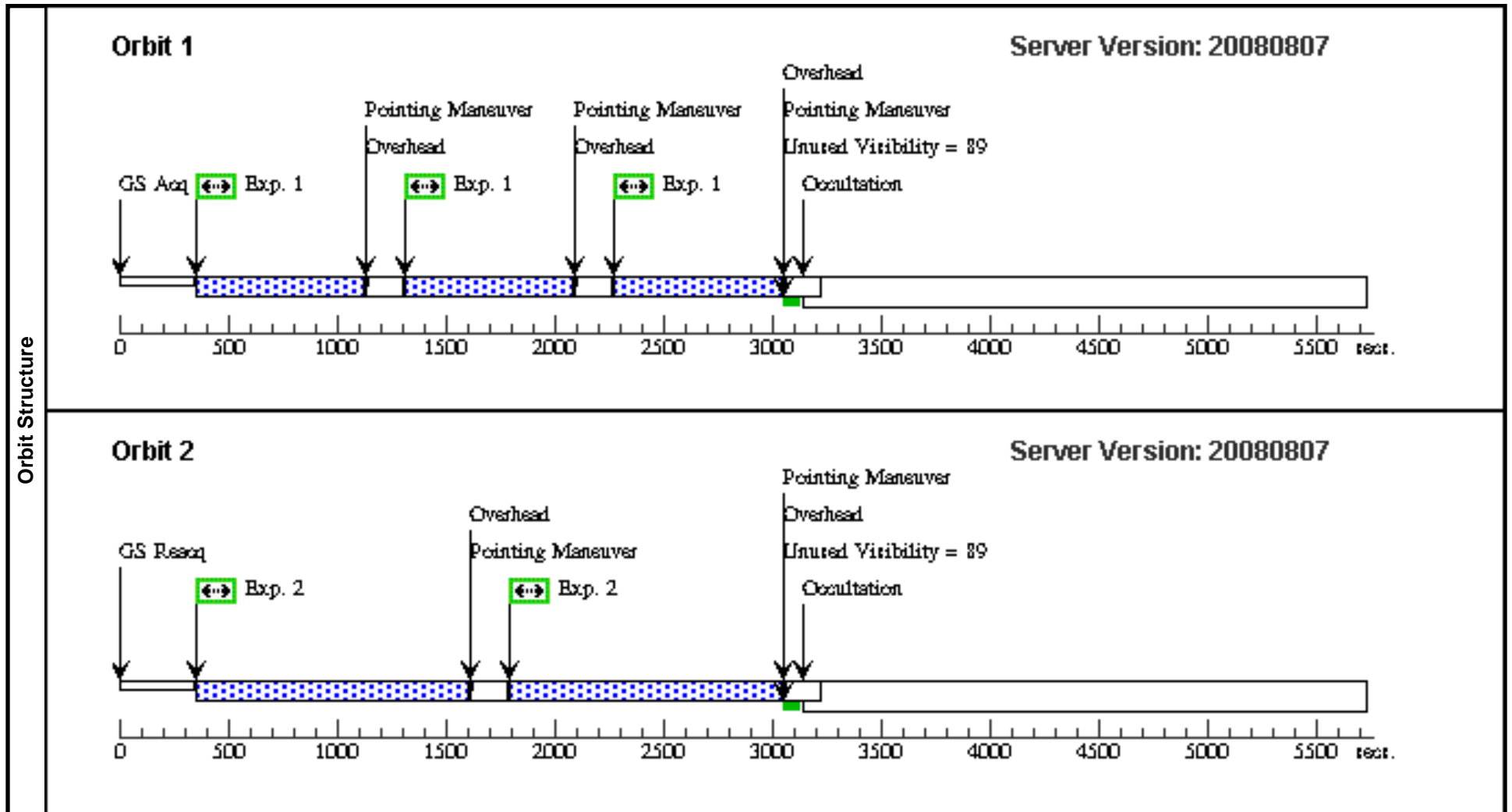


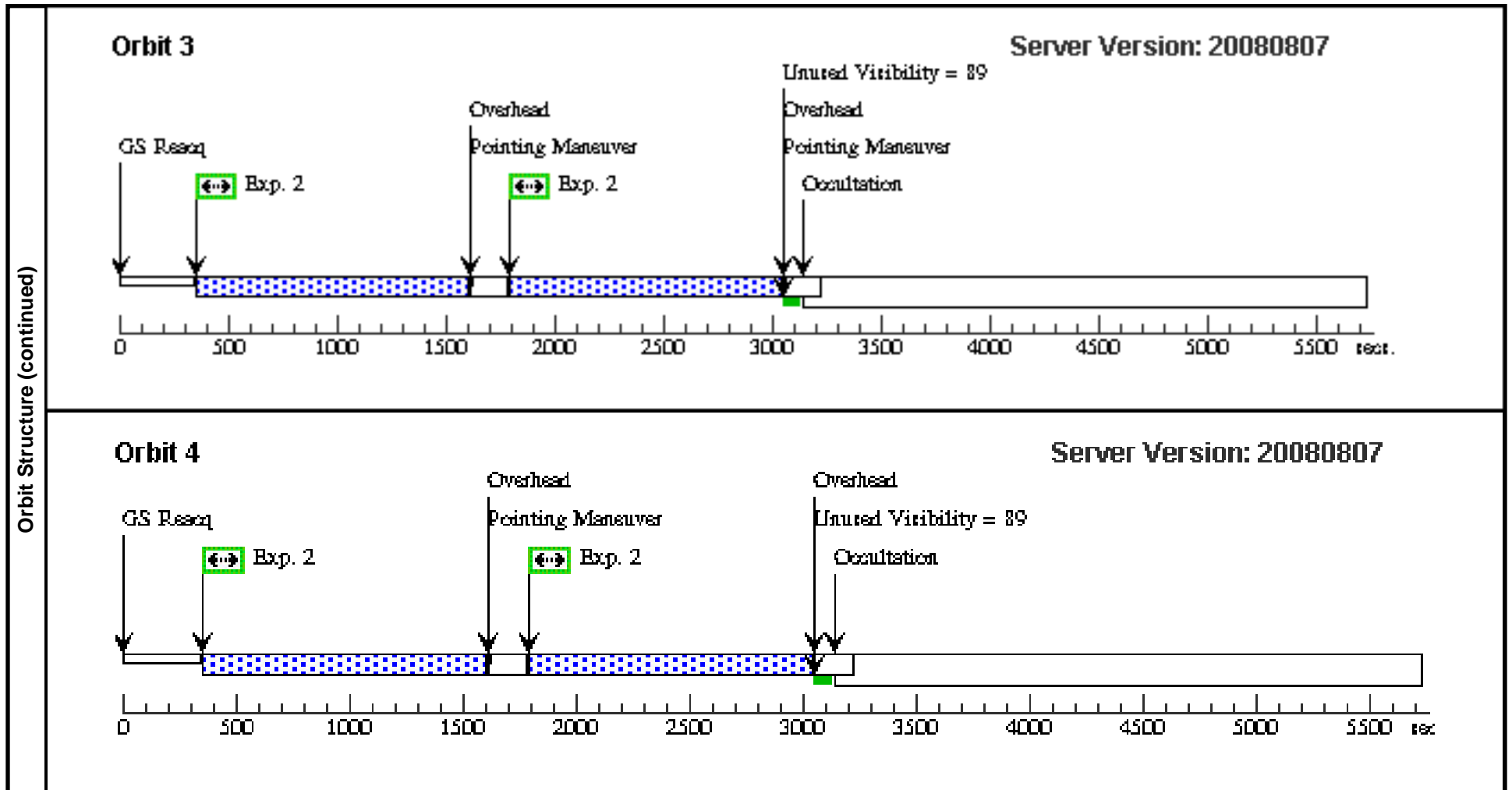


Proposal 11966 - Visit 18 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:20 GMT 2009

Visit	<b>Proposal 11966, Visit 18, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 275D TO 295 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						
	(3)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.249 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	NGC4450	RA: 12 28 26.3080 (187.1096167d) Dec: +17 05 27.40 (17.09094d) Equinox: J2000		V=20.0+/-1.0	Reference Frame: OTHER				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(18) NGC4450	WFPC2, IMAGE, PC1	F658N	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs [=>600.0 Secs (Pattern 1)] [=>600.0 Secs (Pattern 2)] [=>600.0 Secs (Pattern 3)]	[1]
	<i>Comments: 3pt line dither in one orbit</i>									
2		(18) NGC4450	WFPC2, IMAGE, PC1	F336W	CR-SPLIT=NO		Pattern 2-2 (3)	1100.0 Secs [=>1100.0 Secs (Pattern 1,1)] [=>1100.0 Secs (Pattern 1,2)] [=>1100.0 Secs (Pattern 2,1)] [=>1100.0 Secs (Pattern 2,2)] [=>1100.0 Secs (Pattern 3,1)] [=>1100.0 Secs (Pattern 3,2)]	[2] [3] [4]	
	<i>Comments: 3pt dither line with 2 sub-dithers at each point, spread over 3 orbits.</i>									

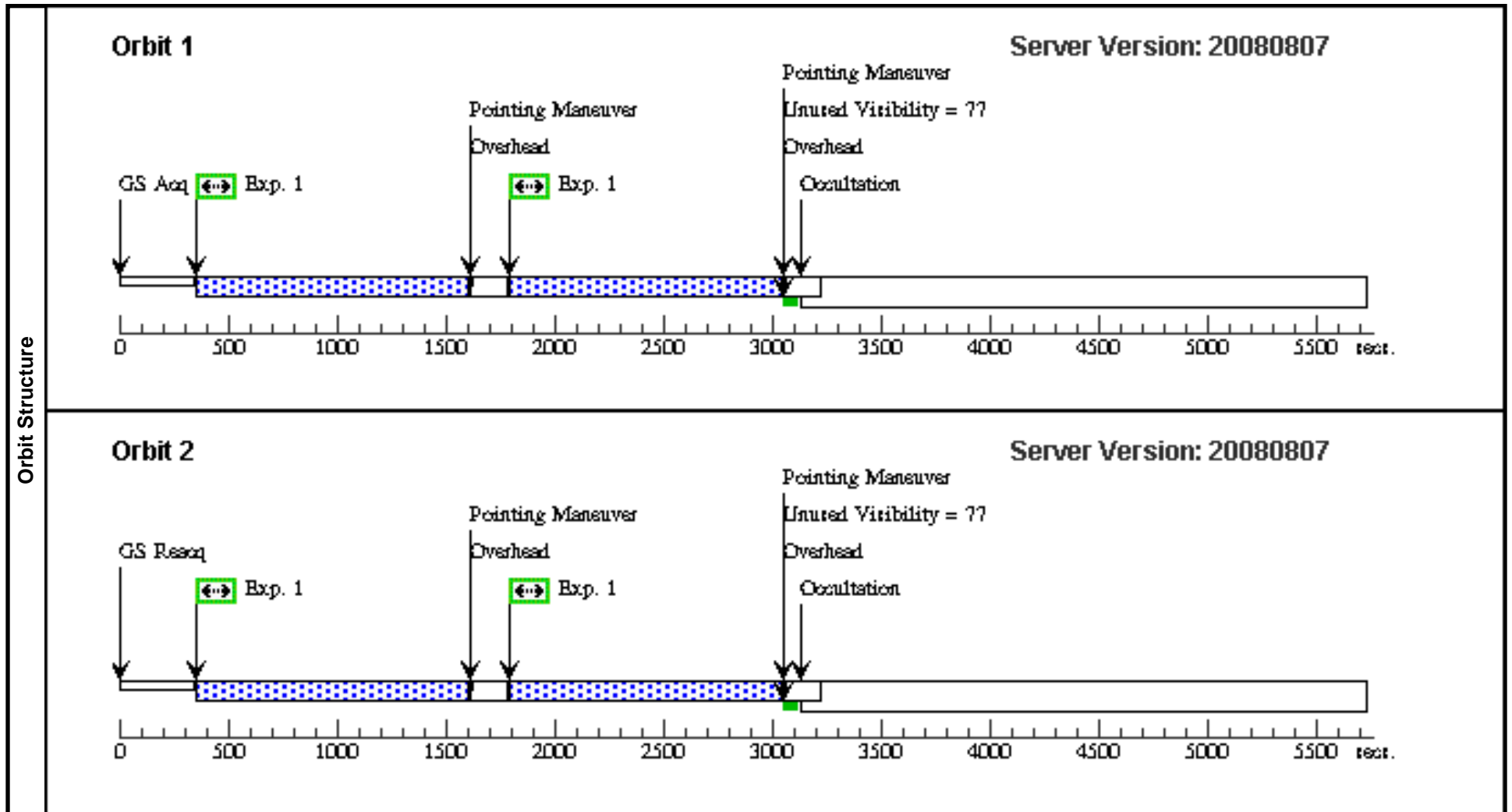


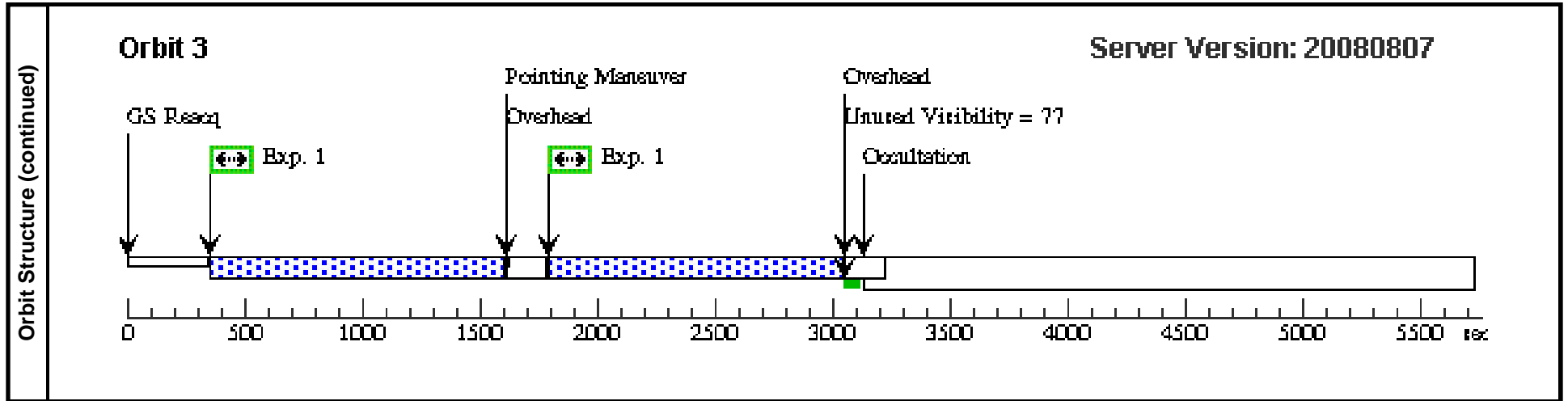


Proposal 11966 - Visit 19 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:20 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 19, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 275D TO 280 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(3)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.249 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(1)				
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(19)	NGC4536	RA: 12 34 25.6365 (188.6068188d) Dec: +02 11 18.04 (2.18834d) Equinox: J2000					V=20.0+/-1.0	Reference Frame: OTHER	
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(19) NGC4536	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 1-1 (3)	1100.0 Secs	
									[==>(Pattern 1,1)]	
									[==>(Pattern 1,2)]	[1]
									[==>(Pattern 2,1)]	
									[==>(Pattern 2,2)]	[2]
								[==>(Pattern 3,1)]		
								[==>(Pattern 3,2)]	[3]	
<i>Comments: 3pt dither line with 2 sub-dithers at each point, spread over 3 orbits.</i>										

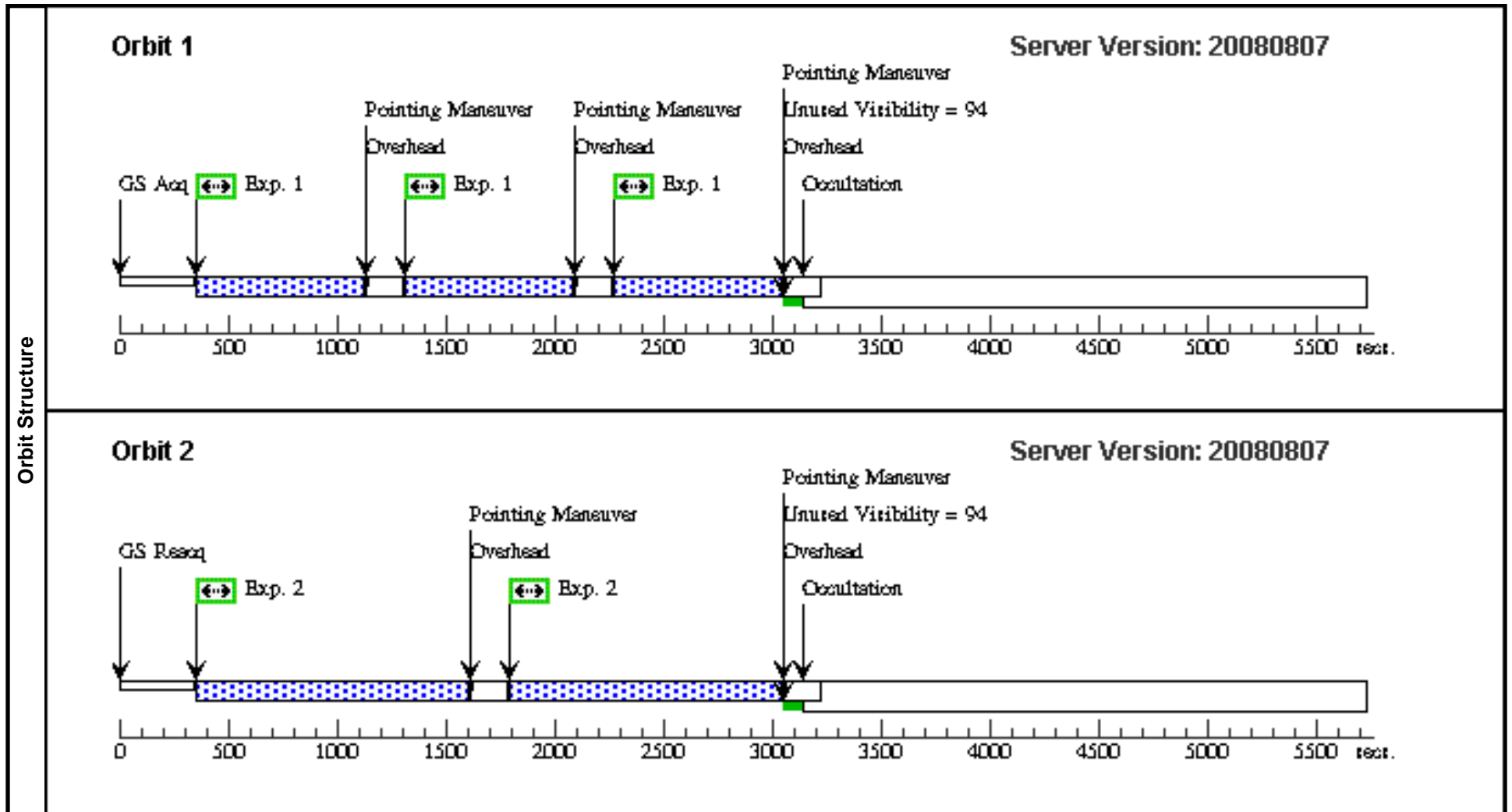


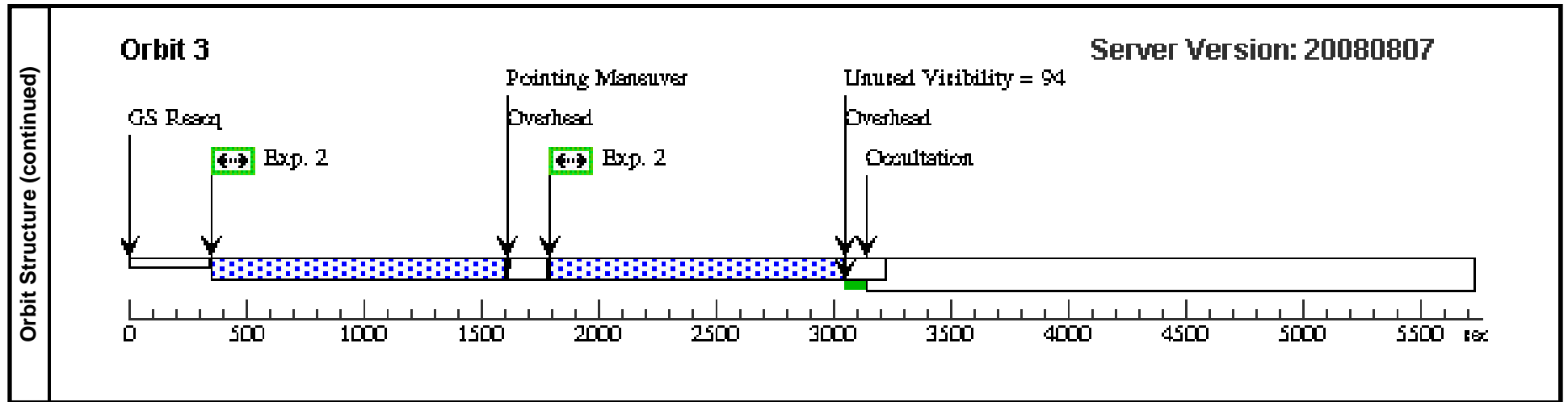


Proposal 11966 - Visit 20 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:21 GMT 2009

Visit	<b>Proposal 11966, Visit 20, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 307D TO 317 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
Patterns		(1)	Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false				(2)		
	(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(20)	NGC4559	RA: 12 35 57.7000 (188.9904167d) Dec: +27 57 35.10 (27.95975d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(20) NGC4559	WFPC2, IMAGE, WFALL	F658N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs [=>600.0 Secs (Pattern 1)] [=>600.0 Secs (Pattern 2)] [=>600.0 Secs (Pattern 3)]	[1]
<i>Comments: 3pt line dither in one orbit</i>										
2		(20) NGC4559	WFPC2, IMAGE, WFALL	F336W	CR-SPLIT=NO		Pattern 2-2 (1)	1100.0 Secs [=>1100.0 Secs (Pattern 1)] [=>1100.0 Secs (Pattern 2)] [=>1100.0 Secs (Pattern 3)] [=>1100.0 Secs (Pattern 4)]	[2] [3]	
<i>Comments: dither box over 2 orbits</i>										

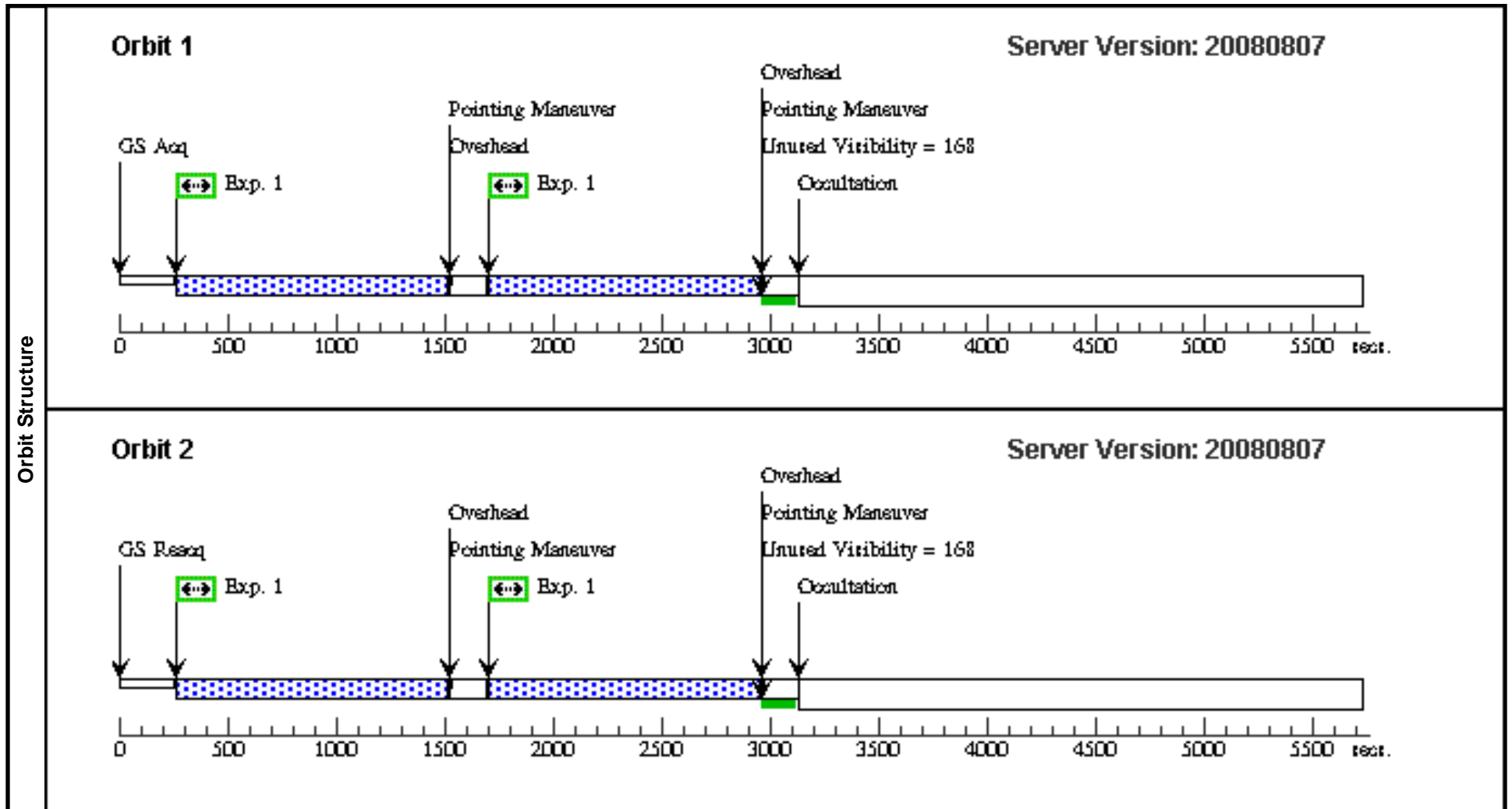


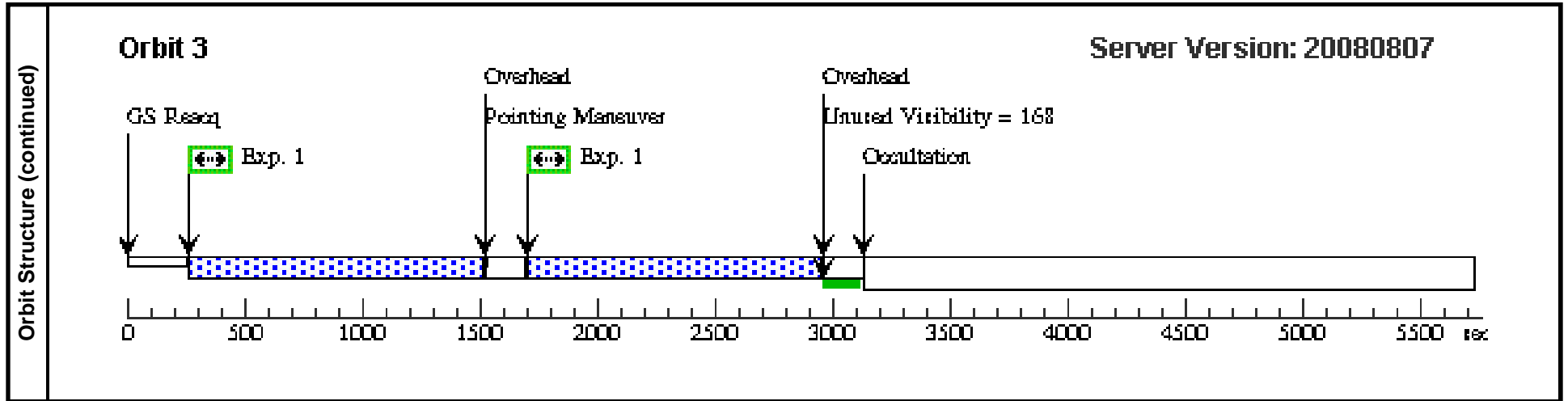


Proposal 11966 - Visit 21 - The Recent Star Formation History of SINGS Galaxies

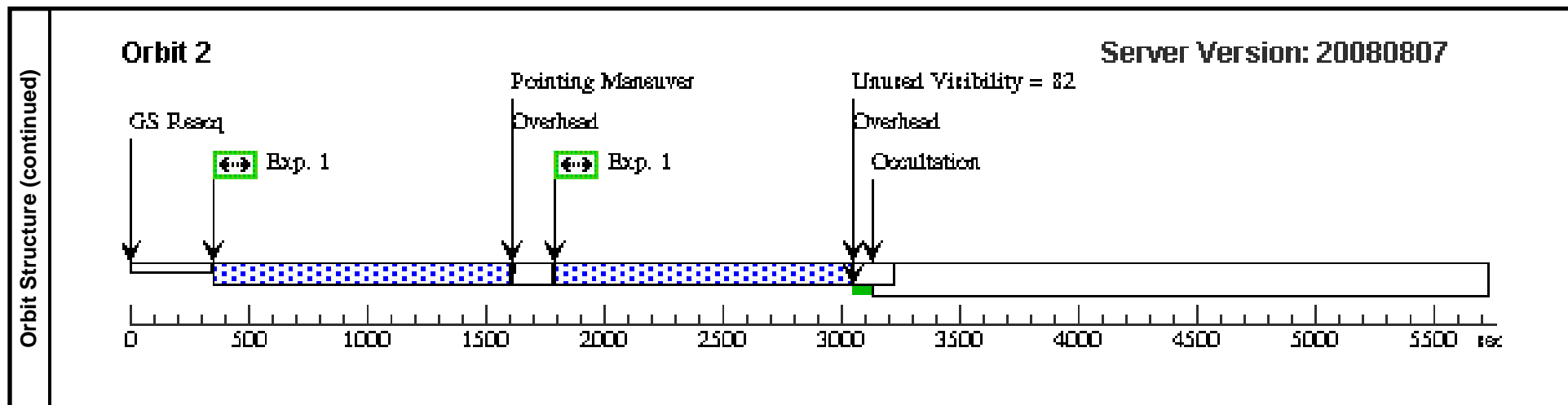
Sat Jan 31 02:04:21 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 21, implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 253D TO 303 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(3)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.249 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(1)				
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>	
	(21)	NGC4579	RA: 12 37 42.3740 (189.4265583d) Dec: +11 49 4.70 (11.81797d) Equinox: J2000				V=20.0+/-1.0		Reference Frame: OTHER	
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(21) NGC4579	WFPC2, IMAGE, PC1	F336W	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Pattern 1-1 (3)	1100.0 Secs	
									[==>(Pattern 1,1)]	[1]
									[==>(Pattern 1,2)]	[2]
									[==>(Pattern 2,1)]	[3]
									[==>(Pattern 2,2)]	[1]
								[==>(Pattern 3,1)]	[2]	
								[==>(Pattern 3,2)]	[3]	
<i>Comments: 3pt dither line with 2 sub-dithers at each point, spread over 3 orbits.</i>										

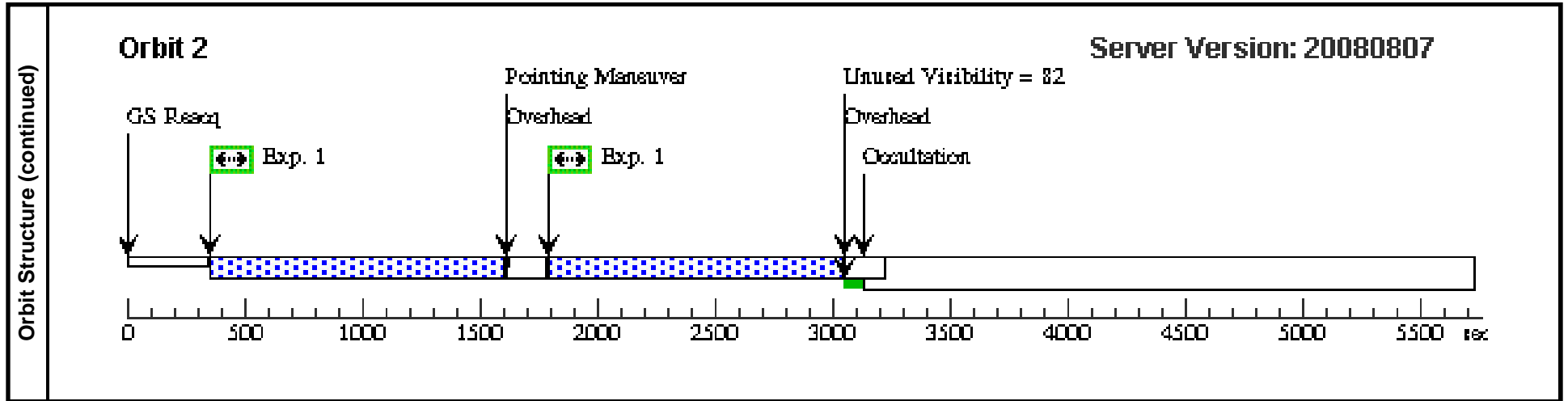




<b>Visit</b>	Proposal 11966, Visit 22, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 277D TO 282 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>					
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false		(1)					
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(22)	NGC4594	RA: 12 39 59.6408 (189.9985033d) Dec: -11 37 26.02 (-11.62389d) Equinox: J2000		V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(22) NGC4594	WFPC2, IMAGE, PC1	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (1)	1100.0 Secs		
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]	[2]	
							[==>(Pattern 3)]			
							[==>(Pattern 4)]			
<i>Comments: dither box over 2 orbits</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b>					<b>Server Version: 20080807</b>				
	<p>The diagram shows a horizontal timeline for Orbit 1 from 0 to 5500 seconds. Key events are marked with arrows: GS Acq at ~200s, Exp. 1 (green box) at ~400s, Overhead at ~1600s, Pointing Maneuver at ~1800s, Exp. 1 (green box) at ~2000s, Overhead at ~3100s, Pointing Maneuver at ~3200s, and Occultation at ~3300s. A blue dotted bar represents the observation period from ~400s to ~3100s. A green bar at the bottom indicates the total observation time from ~400s to ~3300s. The text 'Unused Visibility = 82' is shown at the top right.</p>									



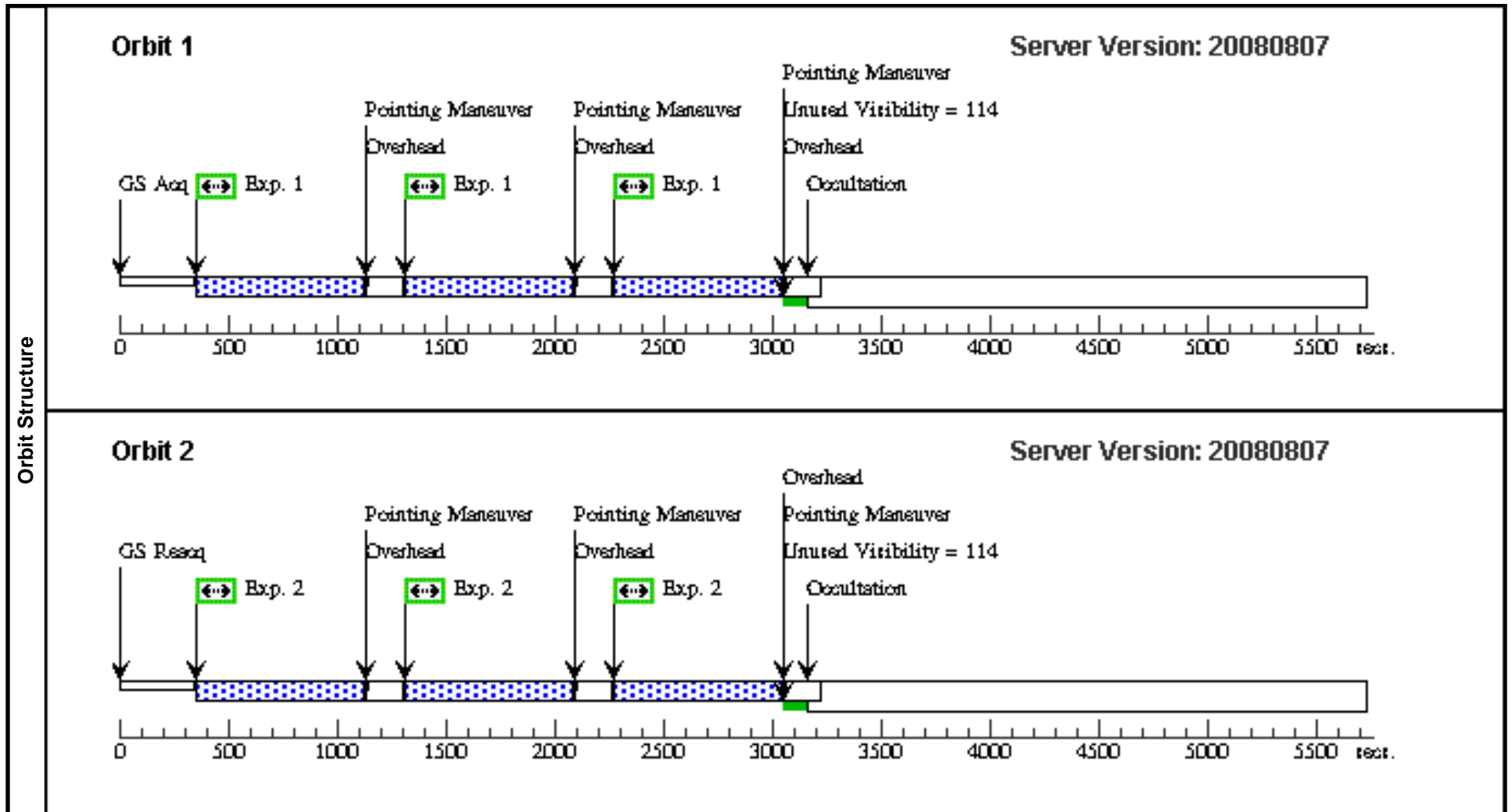
<b>Visit</b>	Proposal 11966, Visit 52, withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 277D TO 320 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false						(1)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(52)	NGC4594-2	RA: 12 39 56.8094 (189.9867058d) Dec: -11 37 22.02 (-11.62278d) Equinox: J2000		V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(52) NGC4594-2	WFPC2, IMAGE, WFALL	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (1)	1100.0 Secs		
								[==>(Pattern 1)]	[1]	
								[==>(Pattern 2)]	[2]	
Comments: dither box over 2 orbits										
<b>Orbit Structure</b>	<b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>									
	<p>Unused Visibility = 82</p> <p>GS Acq [←→] Exp. 1</p> <p>Overhead Pointing Maneuver [←→] Exp. 1</p> <p>Overhead Pointing Maneuver Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec.</p>									

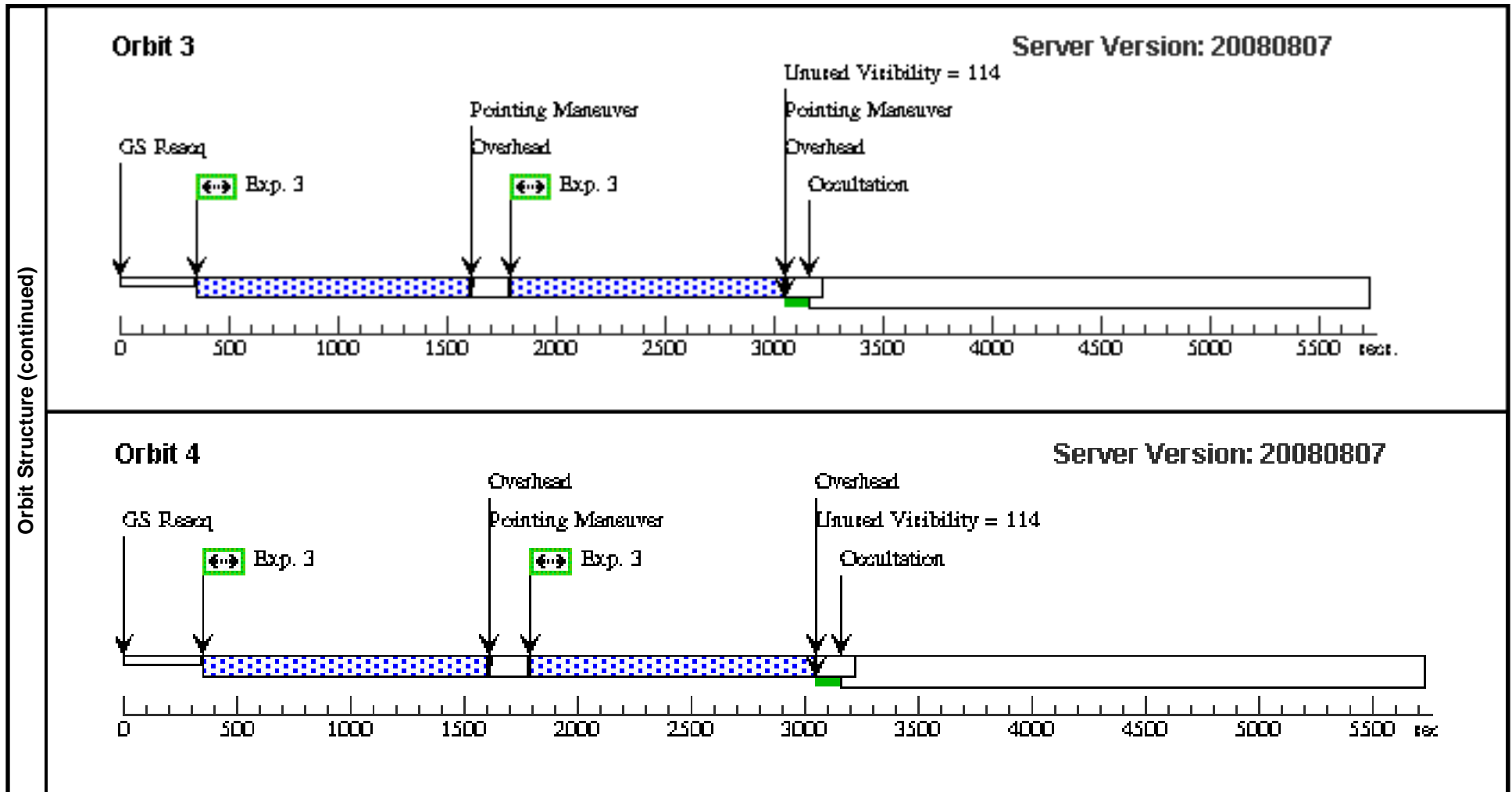


Proposal 11966 - Visit 23 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:22 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 23, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 300D TO 310 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false					(3)			
(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1), (2)				
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>				
	(23)	NGC4625	RA: 12 41 46.4904 (190.4437100d) Dec: +41 16 47.40 (41.27983d) Equinox: J2000			V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>	
	1	(23) NGC4625	WFPC2, IMAGE, PC1	F658N	CR-SPLIT=NO			Pattern 1-1 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
	<i>Comments: 3pt line dither in one orbit</i>										
	2	(23) NGC4625	WFPC2, IMAGE, PC1	F555W	CR-SPLIT=NO			Pattern 2-2 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[2]	
<i>Comments: 3pt line dither in one orbit</i>											
3	(23) NGC4625	WFPC2, IMAGE, PC1	F336W	CR-SPLIT=NO			Pattern 3-3 (1)	1100.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[3] [4]		
<i>Comments: dither box over 2 orbits</i>											

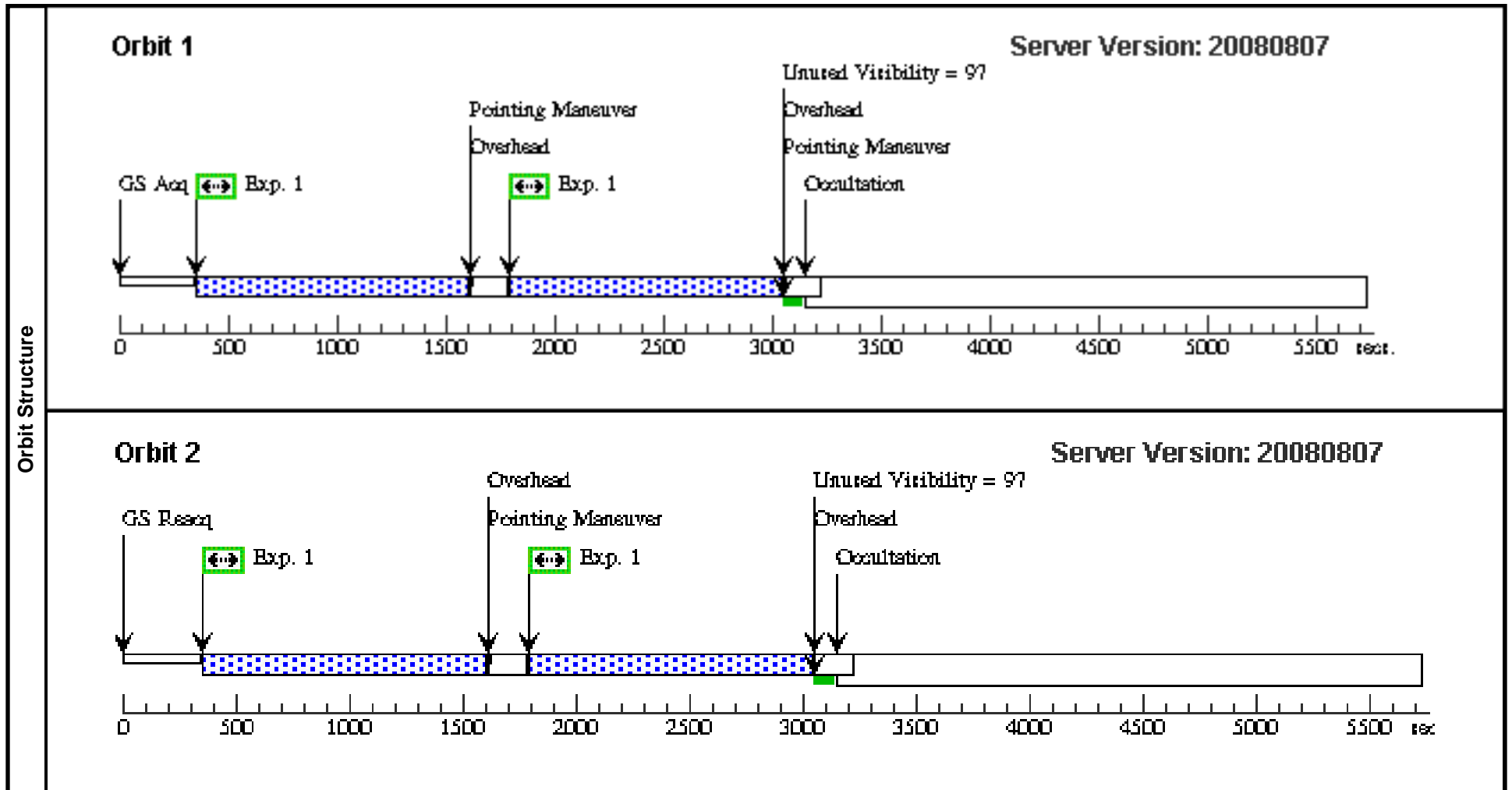




Proposal 11966 - Visit 24 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:23 GMT 2009

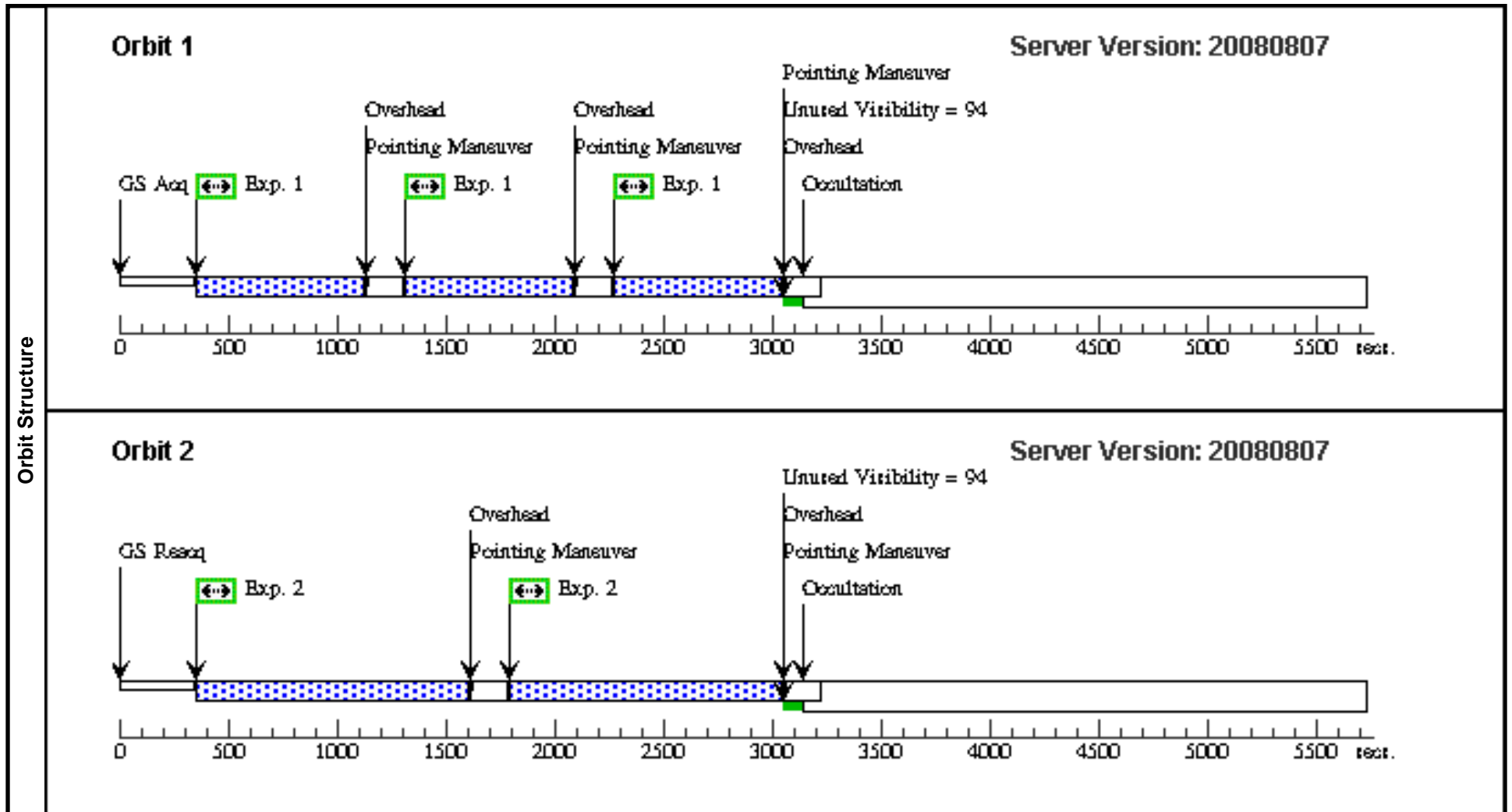
<b>Visit</b>	<b>Proposal 11966, Visit 24, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 228D TO 288 D <i>Comments: We would prefer the orient range of 228-257, if possible.</i>										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false						(1)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>		<b>Miscellaneous</b>			
	(24)	NGC4631	RA: 12 42 11.0684 (190.5461183d) Dec: +32 32 42.20 (32.54506d) Equinox: J2000			V=20.0+/-1.0		Reference Frame: OTHER			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(24) NGC4631	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (1)	1100.0 Secs			
										[=>(Pattern 1)]	[1]
										[=>(Pattern 2)]	[1]
										[=>(Pattern 3)]	[2]
									[=>(Pattern 4)]	[2]	
<i>Comments: dither box over 2 orbits</i>											

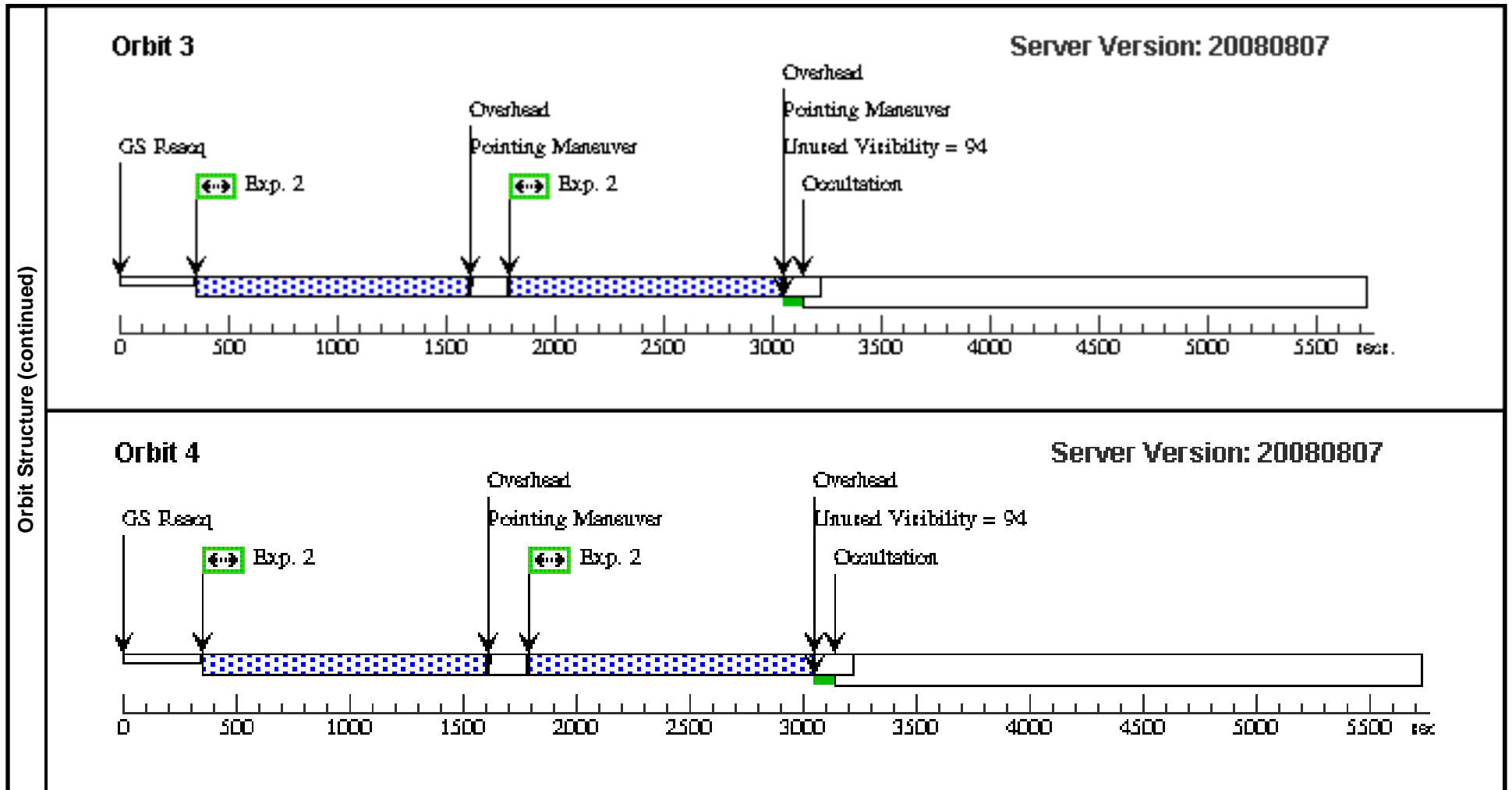


Proposal 11966 - Visit 25 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:23 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 25, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 302D TO 312 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)		
(3)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.249 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(25)	NGC4725	RA: 12 50 37.0000 (192.6541667d) Dec: +25 32 51.60 (25.54767d) Equinox: J2000		V=20.0+/-1.0	Reference Frame: OTHER				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(25) NGC4725	WFPC2, IMAGE, WFALL-FIX	F658N	CR-SPLIT=NO			Pattern 1-1 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
<i>Comments: 3pt line dither in one orbit</i>										
2	(25) NGC4725	WFPC2, IMAGE, WFALL-FIX	F336W	CR-SPLIT=NO			Pattern 2-2 (3)	1100.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)] [=>(Pattern 3,1)] [=>(Pattern 3,2)]	[2] [3] [4]	
<i>Comments: 3pt dither line with 2 sub-dithers at each point, spread over 3 orbits.</i>										

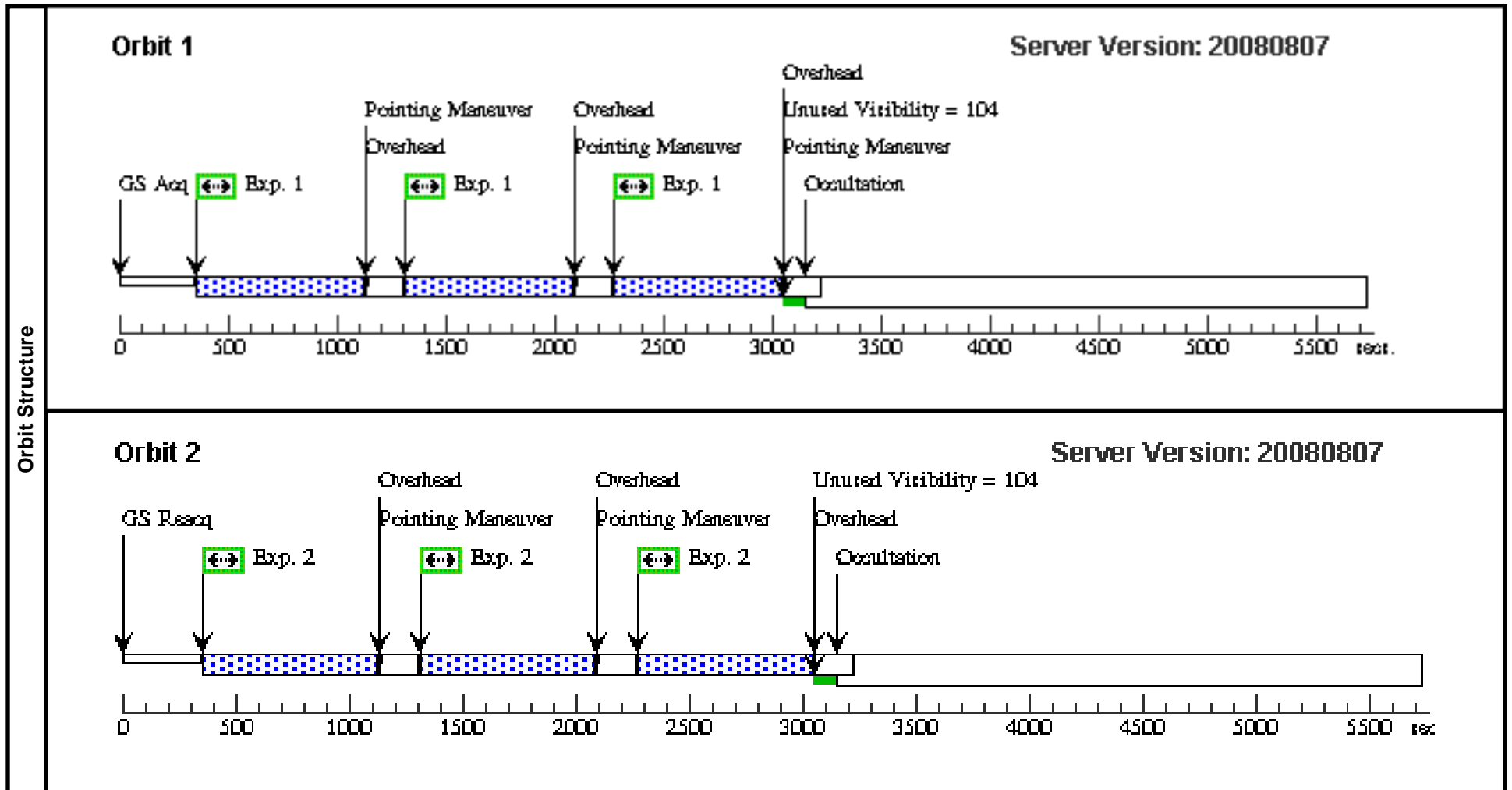




Proposal 11966 - Visit 26 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:23 GMT 2009

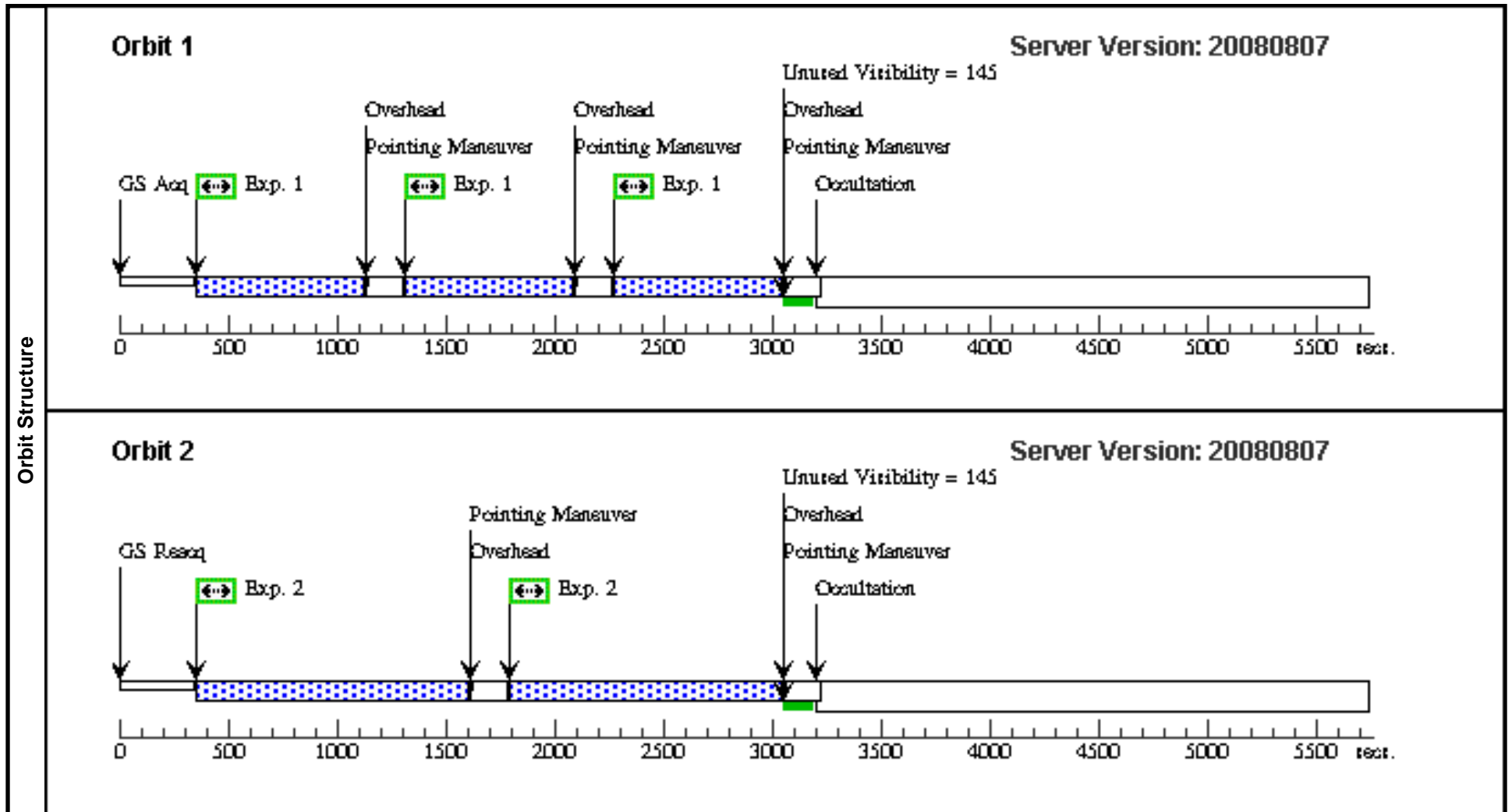
<b>Visit</b>	<b>Proposal 11966, Visit 26, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 296D TO 306 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false							(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(26)	NGC5033	RA: 13 13 27.8985 (198.3662438d) Dec: +36 35 41.30 (36.59481d) Equinox: J2000					V=20.0+/-1.0	Reference Frame: OTHER		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(26) NGC5033	WFPC2, IMAGE, PC1	F658N	CR-SPLIT=NO		Pattern 1-1 (2)	600.0 Secs		
	<i>Comments: 3pt line dither in one orbit</i>										
										[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
2		(26) NGC5033	WFPC2, IMAGE, PC1	F814W	CR-SPLIT=NO			Pattern 2-2 (2)	600.0 Secs		
<i>Comments: 3pt line dither in one orbit</i>											
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[2]	

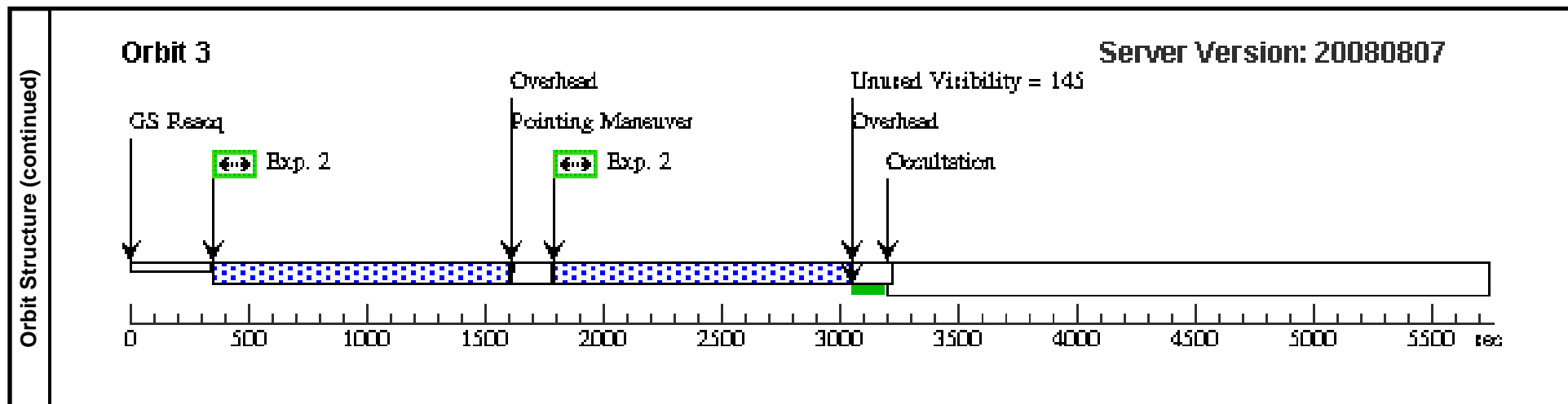


Proposal 11966 - Visit 30 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:25 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 30, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 234D TO 294 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false					(2)		
(2)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)			
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>			<b>Fluxes</b>	<b>Miscellaneous</b>		
	(30)	NGC5474	RA: 14 05 2.4589 (211.2602454d) Dec: +53 39 0.99 (53.65028d) Equinox: J2000				V=20.0+/-1.0	Reference Frame: OTHER		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(30) NGC5474	WFPC2, IMAGE, WFALL	F656N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
	<i>Comments: 3pt line dither in one orbit</i>									
	2	(30) NGC5474	WFPC2, IMAGE, WFALL	F336W	CR-SPLIT=NO		Pattern 2-2 (1)	1100.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2] [3]	
<i>Comments: dither box over 2 orbits</i>										





Proposal 11966 - Visit 32 - The Recent Star Formation History of SINGS Galaxies

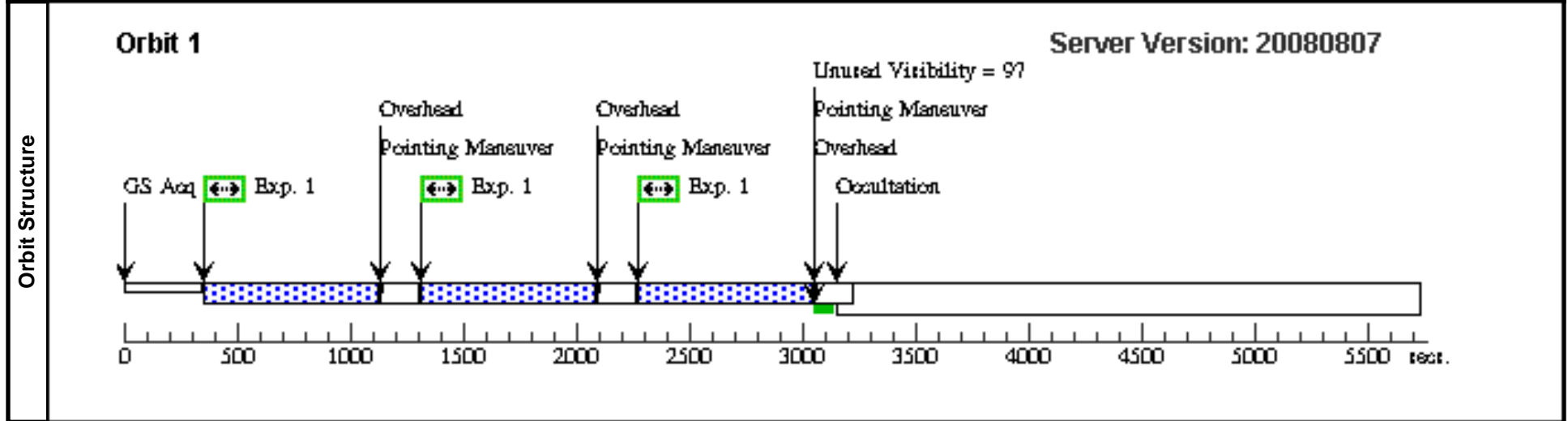
Sat Jan 31 02:04:26 GMT 2009

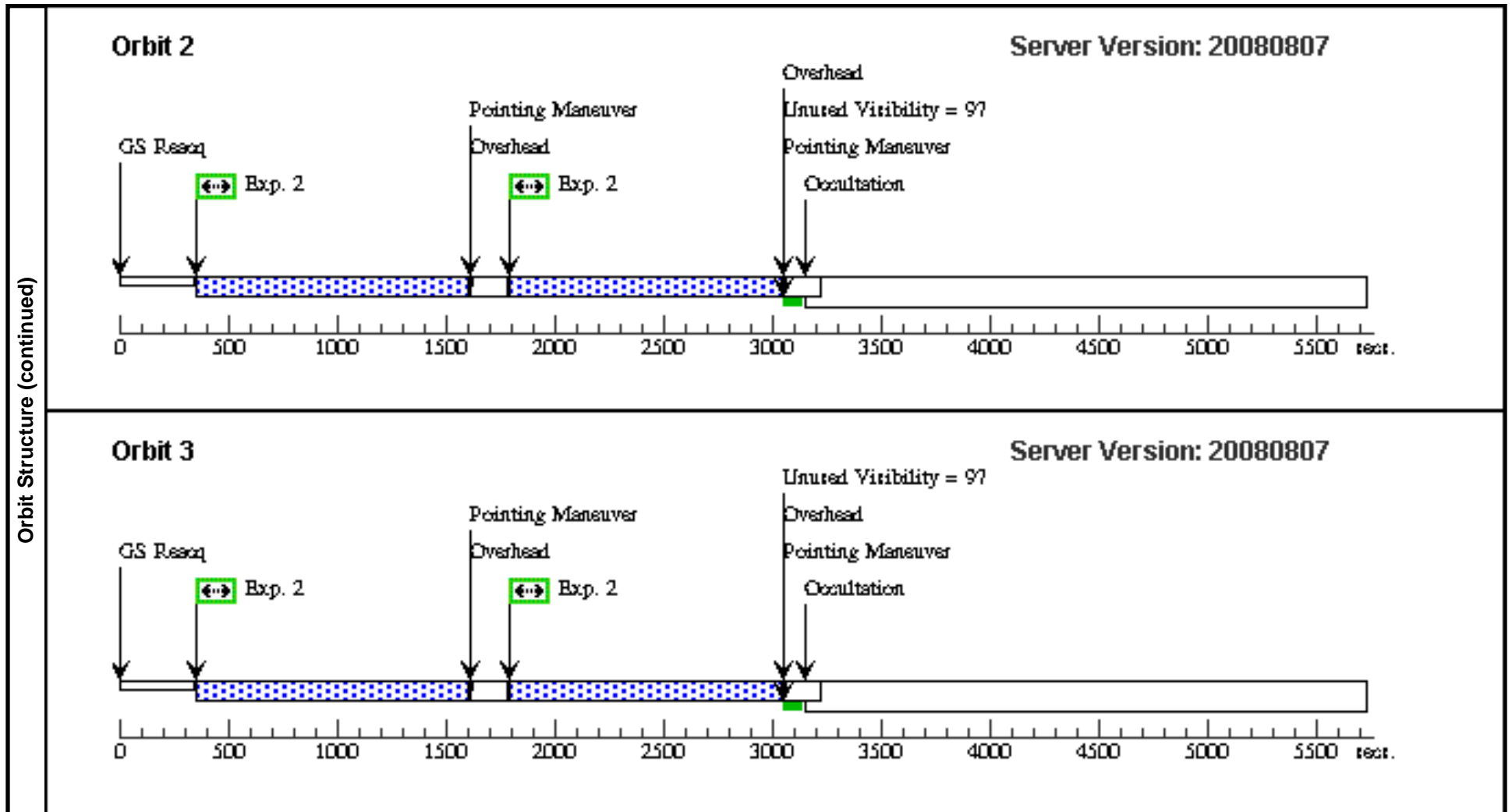
<b>Visit</b>	<b>Proposal 11966, Visit 32, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 44D TO 52 D									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)		
(3)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.249 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)				
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(32)	NGC7331-POS1	RA: 22 37 1.2142 (339.2550592d) Dec: +34 28 11.20 (34.46978d) Equinox: J2000		V=20.0+/-1.0	Reference Frame: OTHER				
	Comments: ! Target_Number: 1 ! Target_Name: DDO154 !Alternate_Names: ! Description: GALAXY, STAR FORMING REGION ! Position: RA=12H54M5.2000S +/- 0.1", DEC=+27D08'58.70" +/- 0.1" ! Equinox: J2000 !Reference_Frame: Other: other ! RV_or_Z: ! RA_PM: ! Dec_PM: ! Epoch: !Annual_Parallax: ! Flux: V = 20 +/- 1 ! Other_Fluxes: ! Comments:									
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(32) NGC7331-POS 1	WFPC2, IMAGE, WFALL-FIX	F658N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	Comments: 3pt line dither in one orbit									

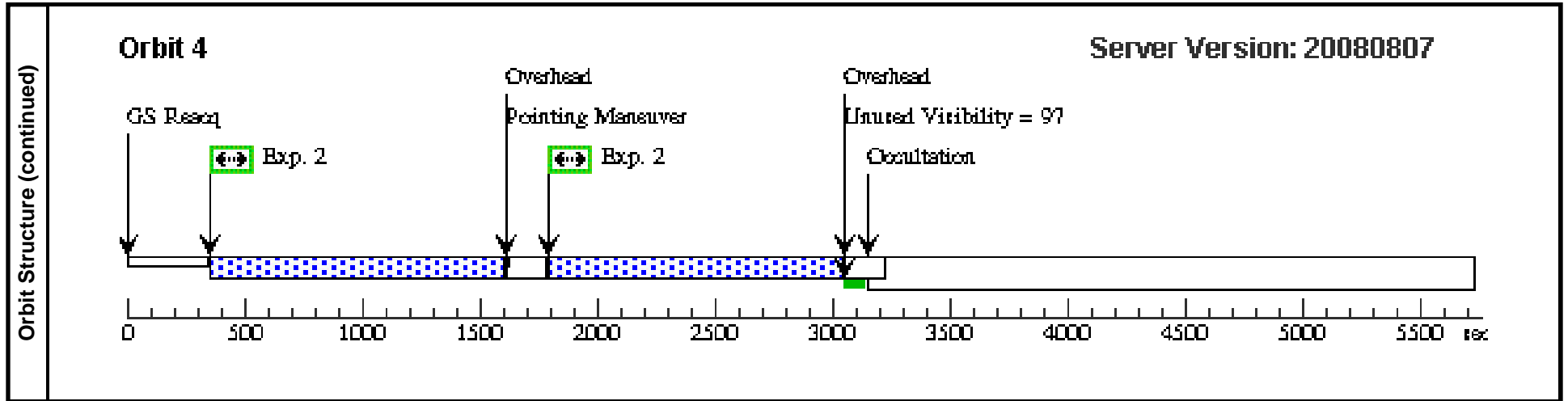
Proposal 11966 - Visit 32 - The Recent Star Formation History of SINGS Galaxies

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	2		(32) NGC7331-POS 1	WFPC2, IMAGE, WFALL-FIX	F336W	CR-SPLIT=NO		Pattern 2-2 (3)	1100.0 Secs	
									[==>(Pattern 1,1)]	[2]
									[==>(Pattern 1,2)]	[3]
									[==>(Pattern 2,1)]	[4]

Comments: 3pt dither line with 2 sub-dithers at each point, spread over 3 orbits.



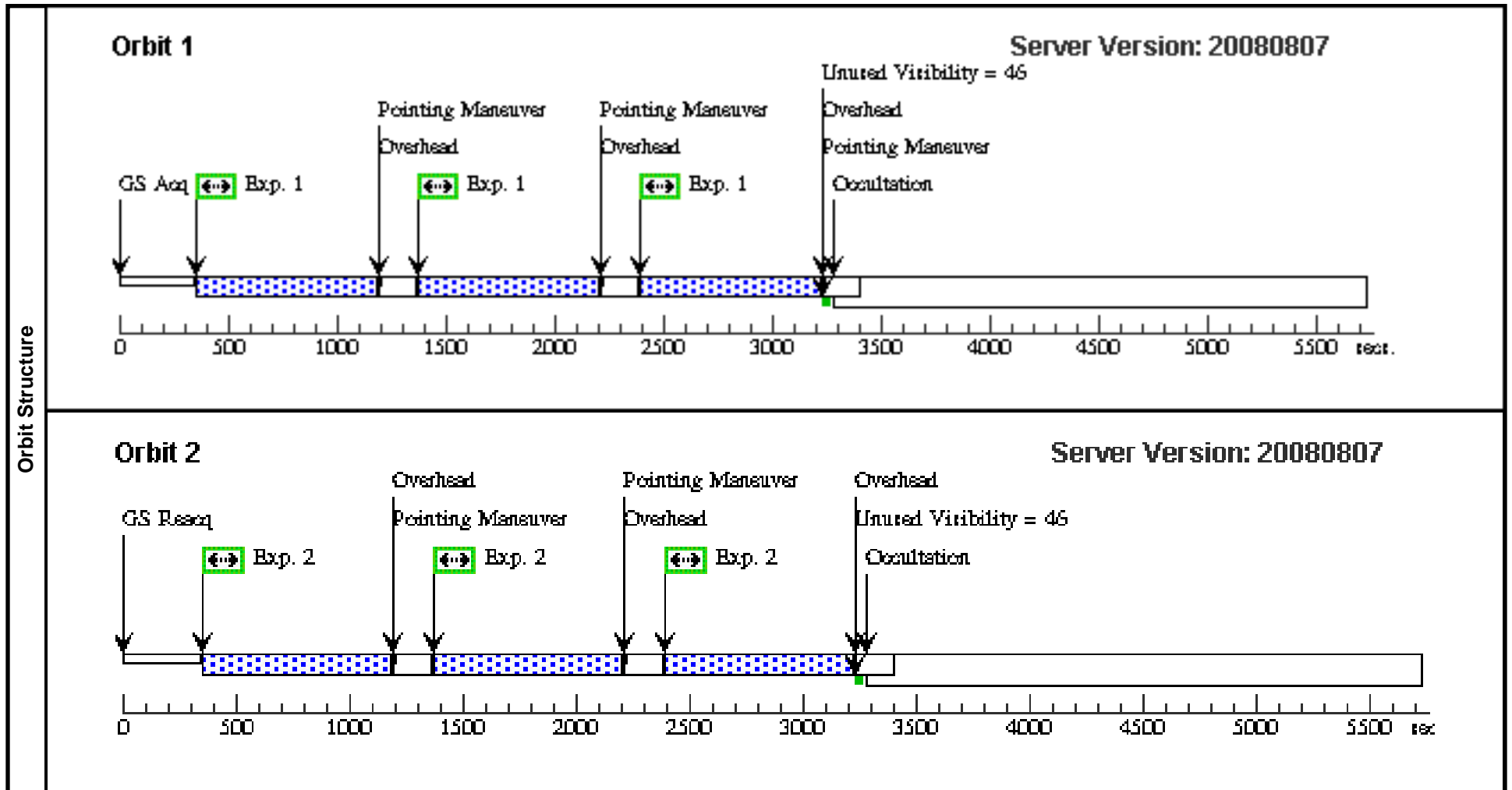




Proposal 11966 - Visit 33 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:26 GMT 2009

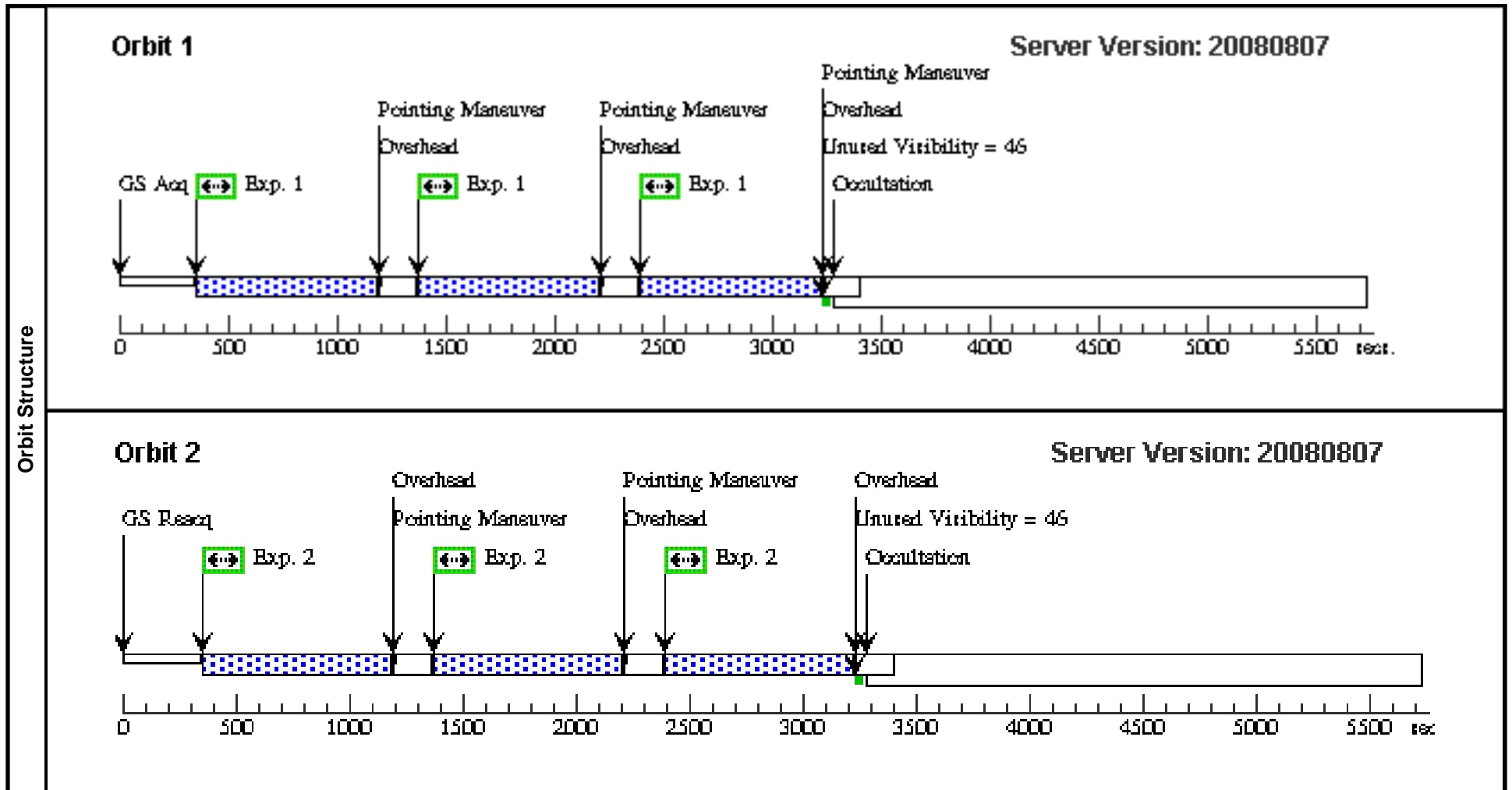
<b>Visit</b>	<b>Proposal 11966, Visit 33, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 248D TO 268 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(33)	IC2574-POS-A	RA: 10 28 30.5691 (157.1273712d) Dec: +68 25 34.68 (68.42630d) Equinox: J2000				V=20+/-0.1	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(33) IC2574-POS-A	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO			Pattern 1-1 (2)	700.0 Secs		
										[==>700.0 Secs (Pattern 1)]	[1]
										[==>700.0 Secs (Pattern 2)]	
									[==>700.0 Secs (Pattern 3)]		
<i>Comments: 3pt line dither in one orbit</i>											
2	(33) IC2574-POS-A	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO				Pattern 2-2 (2)	700.0 Secs		
									[==>700.0 Secs (Pattern 1)]	[2]	
									[==>700.0 Secs (Pattern 2)]		
									[==>700.0 Secs (Pattern 3)]		
<i>Comments: 3pt line dither in one orbit</i>											



Proposal 11966 - Visit 50 - The Recent Star Formation History of SINGS Galaxies

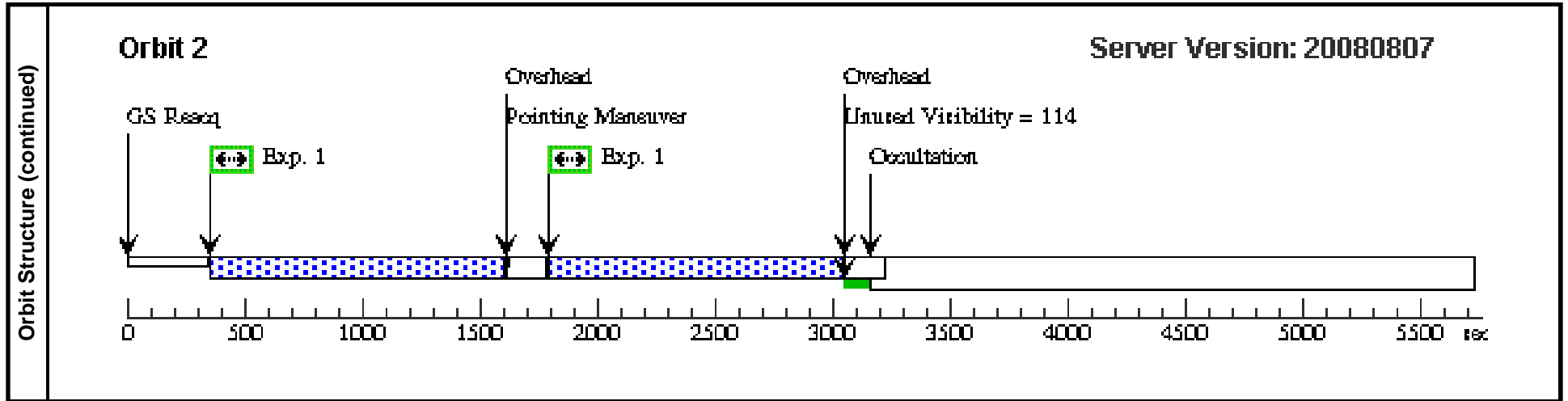
Sat Jan 31 02:04:26 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 50, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 170D TO 215 D Comments: HOPR repeat of visit 33.									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false							(1), (2)
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(50)	IC2574-POS-A2	RA: 10 28 27.5217 (157.1146738d) Dec: +68 25 12.29 (68.42008d) Equinox: J2000					V=20+/-0.1	Reference Frame: ICRS	
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(50) IC2574-POS-A 2	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs	
									[==>700.0 Secs (Pattern 1)] [==>700.0 Secs (Pattern 2)] [==>700.0 Secs (Pattern 3)]	[1]
			Comments: 3pt line dither in one orbit							
2		(50) IC2574-POS-A 2	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO			Pattern 2-2 (2)	700.0 Secs	
									[==>700.0 Secs (Pattern 1)] [==>700.0 Secs (Pattern 2)] [==>700.0 Secs (Pattern 3)]	[2]
			Comments: 3pt line dither in one orbit							

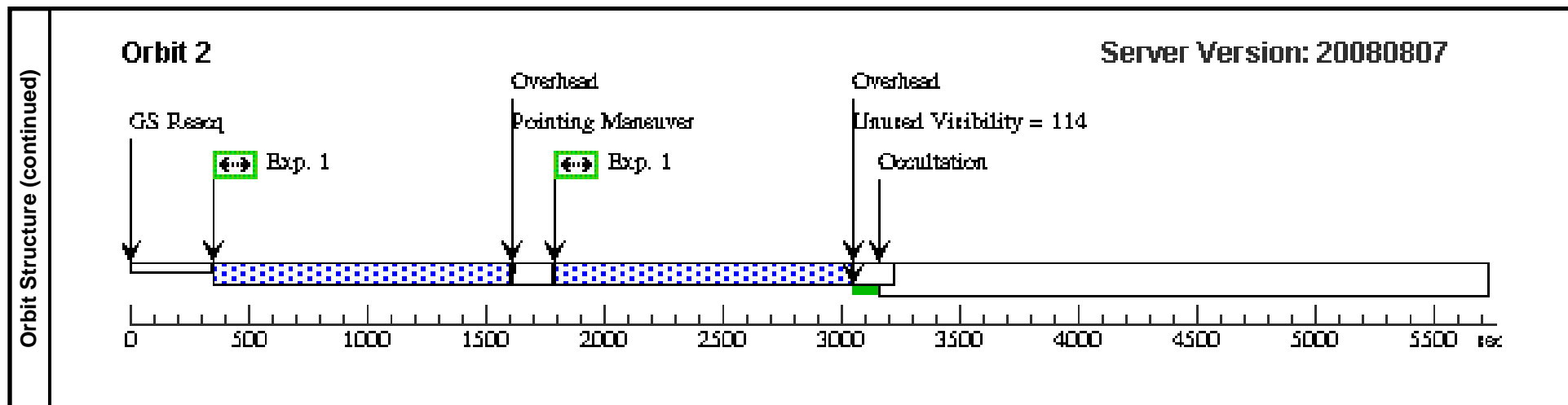


<b>Visit</b>	Proposal 11966, Visit 34, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 315D TO 325 D										
	<b>Patterns</b>	#	<b>Primary Pattern</b>					<b>Secondary Pattern</b>			<b>Exposures</b>
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(34)	NGC3621	RA: 11 18 19.3466 (169.5806108d) Dec: -32 50 54.80 (-32.84856d) Equinox: J2000				V=20+/-0.1		Reference Frame: ICRS		
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(34) NGC3621	WFPC2, IMAGE, WFALL-FIX	F658N	CR-SPLIT=NO		Pattern 1-1 (2)	600.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
Comments: 3pt line dither in one orbit											
<b>Orbit Structure</b>	<b>Orbit 1</b>										Server Version: 20080807
	<p>GS Acq</p> <p>Exp. 1</p> <p>Overhead</p> <p>Pointing Maneuver</p> <p>Overhead</p> <p>Pointing Maneuver</p> <p>Overhead</p> <p>Unused Visibility = 97</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>										

<b>Visit</b>	Proposal 11966, Visit 46, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 301D TO 311 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>					
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false		(1)					
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(46)	NGC5055-POS-A	RA: 13 15 49.5763 (198.9565679d) Dec: +42 01 47.60 (42.02989d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS				
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(46) NGC5055-POS-A	WFPC2, IMAGE, PC1	F336W	CR-SPLIT=NO			Pattern 1-1 (1)	1100.0 Secs	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
								[==>(Pattern 3)]		
								[==>(Pattern 4)]		
<i>Comments: dither box over 2 orbits</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b>					<b>Server Version: 20080807</b>				



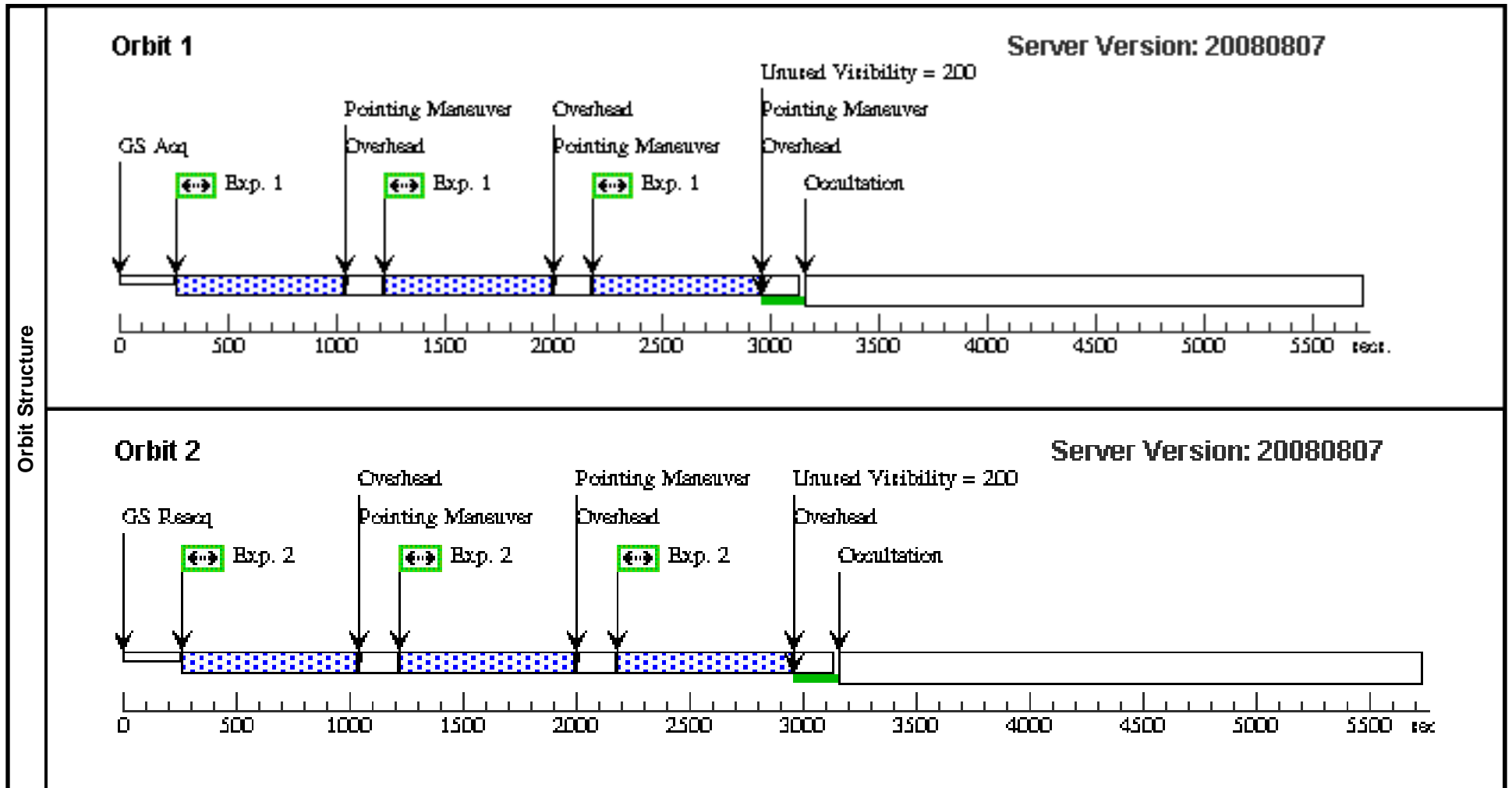
<b>Visit</b>	Proposal 11966, Visit 47, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 301D TO 311 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>					
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false		(1)					
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(47)	NGC5055-POS-B	RA: 13 15 46.5762 (198.9440675d) Dec: +42 03 32.80 (42.05911d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS				
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(47) NGC5055-POS-B	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO			Pattern 1-1 (1)	1100.0 Secs	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	[2]
								[=>(Pattern 3)]		
								[=>(Pattern 4)]		
<i>Comments: dither box over 2 orbits</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b>					<b>Server Version: 20080807</b>				



Proposal 11966 - Visit 48 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:28 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 48, implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 226D TO 289 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(48)	NGC5055-POS-C	RA: 13 15 58.5544 (198.9939767d) Dec: +42 00 1.83 (42.00051d) Equinox: J2000				V=20+/-0.1	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(48) NGC5055-POS-C	WFPC2, IMAGE, WFALL	F656N	CR-SPLIT=NO	GS ACQ SCENARI O SINGLE	Pattern 1-1 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
	<i>Comments: 3pt line dither in one orbit</i>										
2		(48) NGC5055-POS-C	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO			Pattern 2-2 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[2]
<i>Comments: 3pt line dither in one orbit</i>											



Proposal 11966 - Visit 38 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:29 GMT 2009

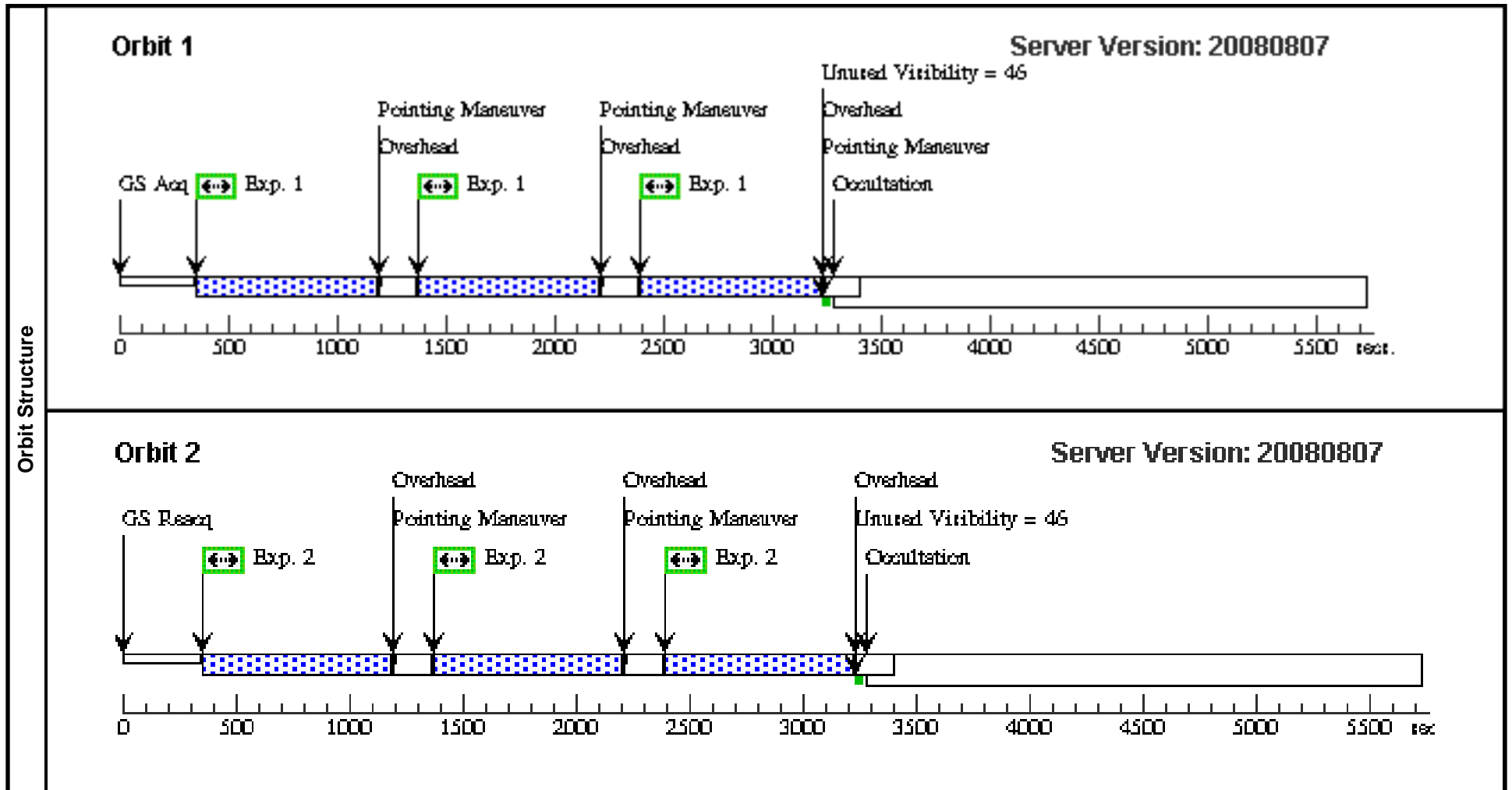
<b>Visit</b>	Proposal 11966, Visit 38, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 6D TO 29 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>		<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1)		
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>			
	(38)	NGC6946	RA: 20 34 54.1444 (308.7256017d) Dec: +60 09 50.70 (60.16408d) Equinox: J2000			V=20+/-0.1	Reference Frame: ICRS			
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(38) NGC6946	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]	
<i>Comments: 3pt line dither in one orbit</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b>					<b>Server Version: 20080807</b>				
	<p>GS Acq</p> <p>Exp. 1</p> <p>Pointing Maneuver</p> <p>Overhead</p> <p>Exp. 1</p> <p>Pointing Maneuver</p> <p>Overhead</p> <p>Exp. 1</p> <p>Overhead</p> <p>Unused Visibility = 8</p> <p>Occultation</p> <p>Overhead</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

<b>Visit</b>	Proposal 11966, Visit 39, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 44D TO 52 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>					<b>Secondary Pattern</b>		
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false							(1)
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(39)	NGC7331-POS2	RA: 22 37 7.8361 (339.2826504d) Dec: +34 25 54.80 (34.43189d) Equinox: J2000					V=20+/-0.1	Reference Frame: ICRS	
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(39) NGC7331-POS 2	WFPC2, IMAGE, PC1	F658N	CR-SPLIT=NO		Pattern 1-1 (2)	600.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
<i>Comments: 3pt line dither in one orbit</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>									
	<p>The diagram illustrates the timing of an orbit. The x-axis represents time in seconds from 0 to 5500. Key events are marked: GS Acq at 0s, three Exps. 1 (green boxes) at approximately 400s, 1400s, and 2400s, and three Pointing Maneuvers (vertical arrows) at approximately 1100s, 2100s, and 3100s. Overhead periods are indicated above the timeline, and an Occultation period is shown at the end. Unused Visibility = 97 is noted.</p>									

Proposal 11966 - Visit 40 - The Recent Star Formation History of SINGS Galaxies

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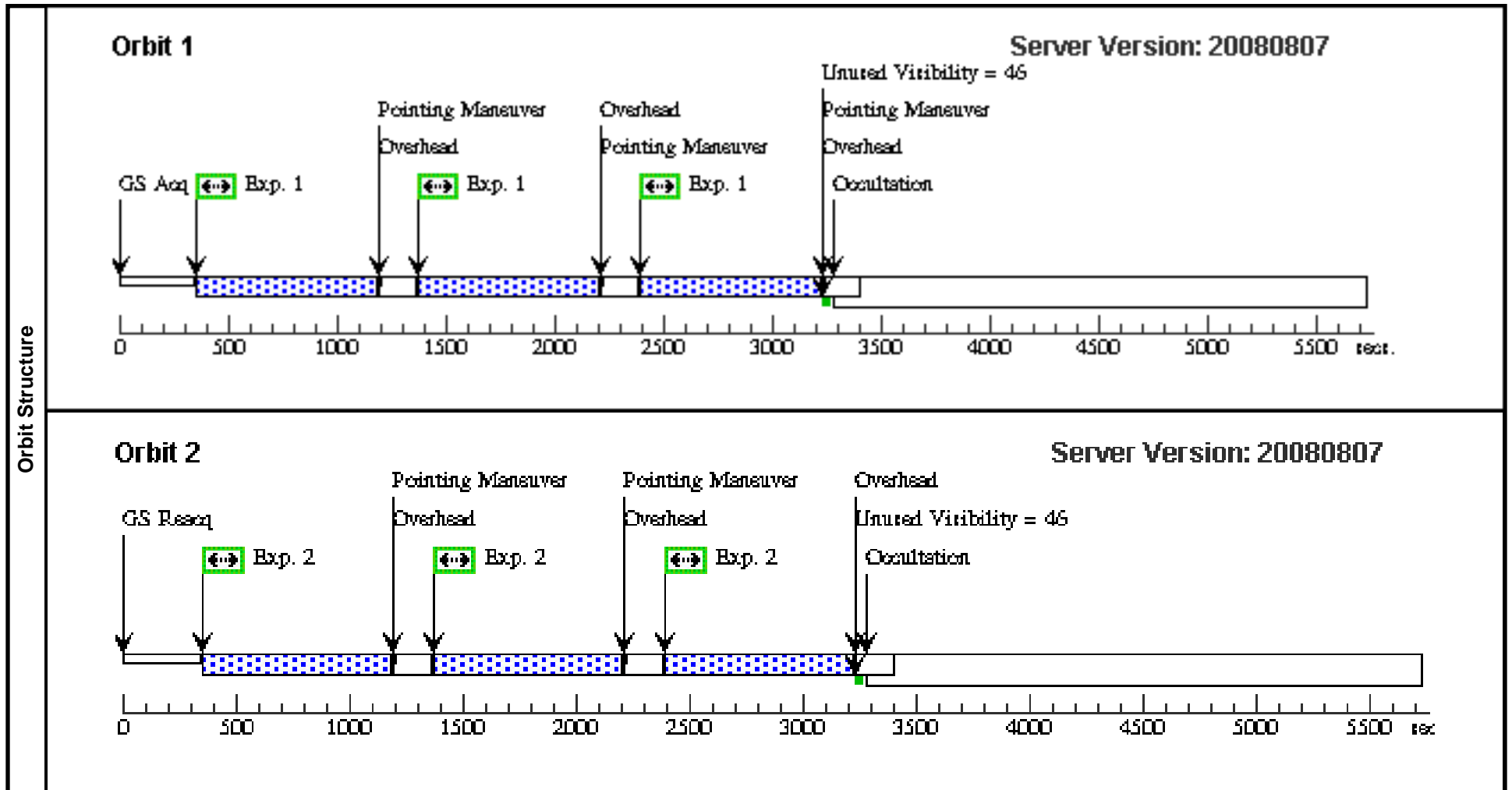
<b>Visit</b>	<b>Proposal 11966, Visit 40, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 165D TO 214 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>		<b>Miscellaneous</b>			
	(40)	M81-POS4	RA: 09 55 48.1983 (148.9508262d) Dec: +68 59 23.19 (68.98978d) Equinox: J2000			V=20+/-0.1		Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(40) M81-POS4	WFPC2, IMAGE, WFALL	F656N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs		
										[==>700.0 Secs (Pattern 1)]	[1]
										[==>700.0 Secs (Pattern 2)]	
									[==>700.0 Secs (Pattern 3)]		
<i>Comments: 3pt line dither in one orbit</i>											
2		(40) M81-POS4	WFPC2, IMAGE, WFALL	F336W	CR-SPLIT=NO			Pattern 2-2 (2)	700.0 Secs		
									[==>700.0 Secs (Pattern 1)]	[2]	
									[==>700.0 Secs (Pattern 2)]		
									[==>700.0 Secs (Pattern 3)]		
<i>Comments: 3pt line dither in one orbit</i>											



Proposal 11966 - Visit 41 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:30 GMT 2009

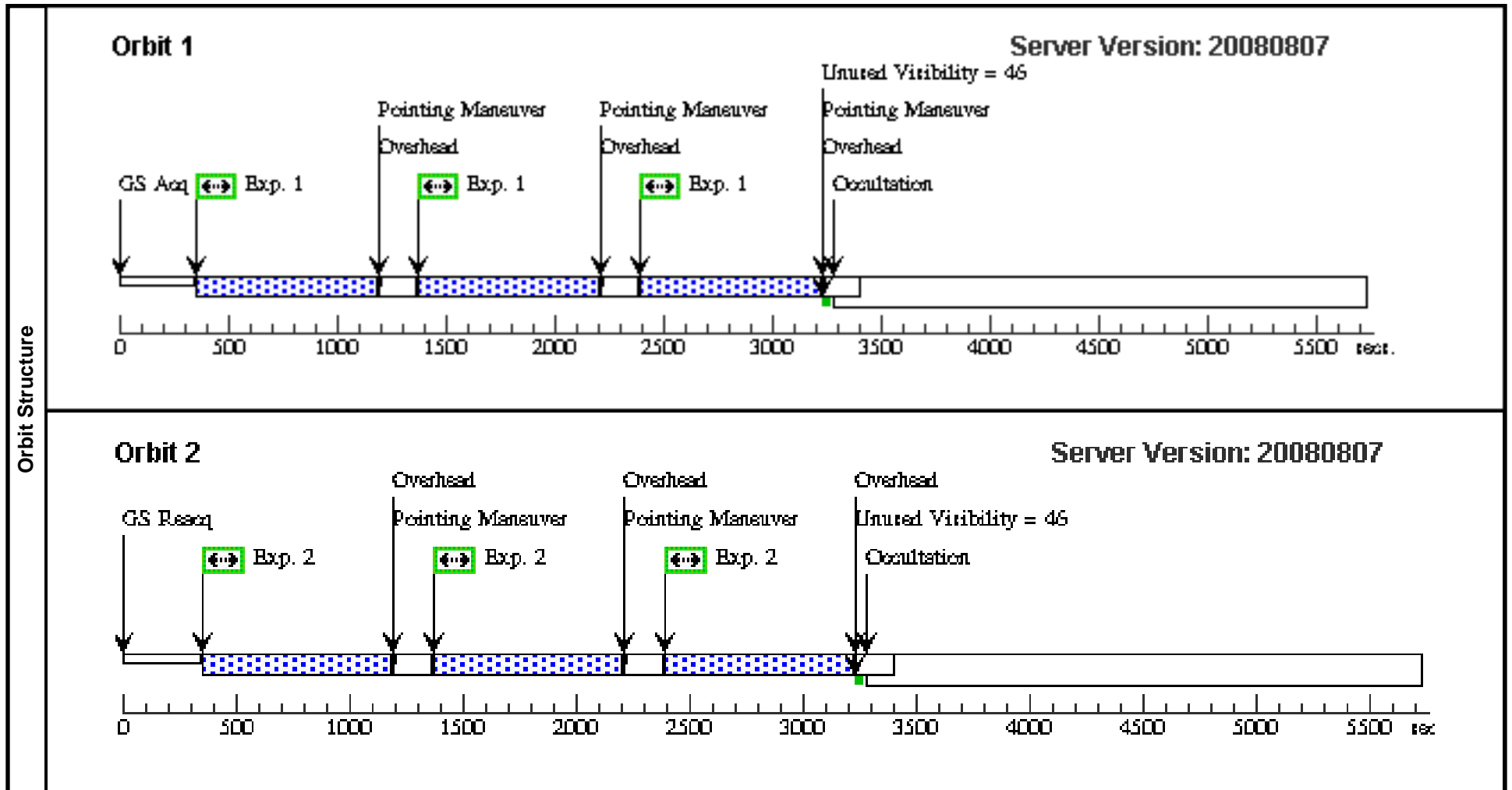
<b>Visit</b>	<b>Proposal 11966, Visit 41, failed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 218D TO 258 D										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>		<b>Miscellaneous</b>			
	(41)	M81-POS6	RA: 09 56 0.7274 (149.0030308d) Dec: +69 04 7.50 (69.06875d) Equinox: J2000			V=20+/-0.1		Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(41) M81-POS6	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs		
										[==>700.0 Secs (Pattern 1)]	
										[==>700.0 Secs (Pattern 2)]	[1]
									[==>700.0 Secs (Pattern 3)]		
<i>Comments: 3pt line dither in one orbit</i>											
2		(41) M81-POS6	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO			Pattern 2-2 (2)	700.0 Secs		
									[==>700.0 Secs (Pattern 1)]		
									[==>700.0 Secs (Pattern 2)]	[2]	
									[==>700.0 Secs (Pattern 3)]		
<i>Comments: 3pt line dither in one orbit</i>											



Proposal 11966 - Visit 51 - The Recent Star Formation History of SINGS Galaxies

Sat Jan 31 02:04:30 GMT 2009

<b>Visit</b>	<b>Proposal 11966, Visit 51, implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 218D TO 258 D Comments: HOPR repeat of visit 41.										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1), (2)				
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(51)	M81-POS6-2	RA: 09 56 0.7274 (149.0030308d) Dec: +69 04 7.50 (69.06875d) Equinox: J2000				V=20+/-0.1	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(51) M81-POS6-2	WFPC2, IMAGE, WF3	F656N	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>700.0 Secs (Pattern 2)] [==>700.0 Secs (Pattern 3)]	[1]		
Comments: 3pt line dither in one orbit											
2	(51) M81-POS6-2	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 2-2 (2)	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>700.0 Secs (Pattern 2)] [==>700.0 Secs (Pattern 3)]	[2]			
Comments: 3pt line dither in one orbit											

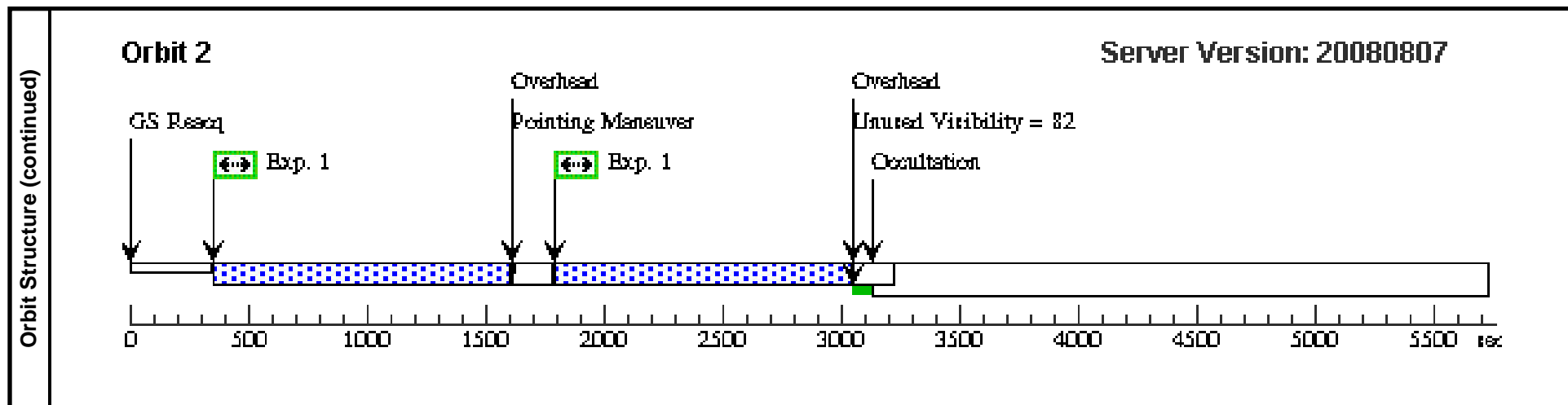


Proposal 11966 - Visit 42 - The Recent Star Formation History of SINGS Galaxies

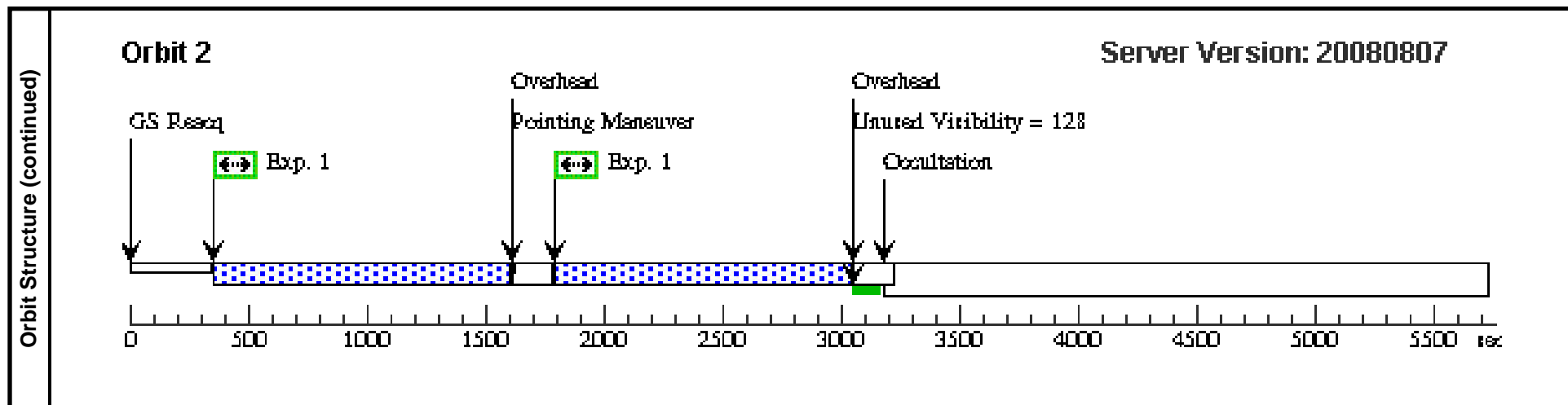
Sat Jan 31 02:04:30 GMT 2009

<b>Visit</b>	Proposal 11966, Visit 42, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 232D TO 242 D										
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1)		
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(42)	IC2574-POS-B	RA: 10 28 53.5393 (157.2230804d) Dec: +68 28 10.18 (68.46949d) Equinox: J2000					V=20+/-0.1		Reference Frame: ICRS	
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(42) IC2574-POS-B	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO		Pattern 1-1 (2)	700.0 Secs [=>700.0 Secs (Pattern 1)] [=>700.0 Secs (Pattern 2)] [=>700.0 Secs (Pattern 3)]		[1]	
Comments: 3pt line dither in one orbit											
<b>Orbit Structure</b>	<b>Orbit 1</b>										
	Server Version: 20080807 Unused Visibility = 46										

<b>Visit</b>	Proposal 11966, Visit 43, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 305D TO 315 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>					
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017	Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false		(1)					
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(43)	NGC3627-POS1	RA: 11 20 15.8158 (170.0658992d) Dec: +12 58 22.80 (12.97300d) Equinox: J2000		V=20+/-0.1	Reference Frame: ICRS				
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(43) NGC3627-POS 1		WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (1)	1100.0 Secs	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	[2]
								[=>(Pattern 3)]		
								[=>(Pattern 4)]		
<i>Comments: dither box over 2 orbits</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b>					<b>Server Version: 20080807</b>				
	<p>The diagram illustrates the timeline for Orbit 1, spanning from 0 to 5500 seconds. Key events are marked with arrows and labels: GS Acq (around 200s), Exp. 1 (dithered, around 400s), Pointing Maneuver (around 1600s), Overhead (around 1700s), Exp. 1 (dithered, around 1800s), Pointing Maneuver (around 3000s), Occultation (around 3100s), and another Pointing Maneuver (around 3200s). A note indicates 'Unused Visibility = 82'. The x-axis is labeled 'sec.' and has major ticks every 500 seconds.</p>									



<b>Visit</b>	Proposal 11966, Visit 44, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 270D TO 290 D									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(1)		Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017		Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.130102 Center Pattern=false					(1)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>	
	(44)	M51-POS6	RA: 13 29 48.1868 (202.4507783d) Dec: +47 09 22.99 (47.15639d) Equinox: J2000				V=20+/-0.1		Reference Frame: ICRS	
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(44) M51-POS6	WFPC2, IMAGE, WF3	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (1)	1100.0 Secs		
								[=>(Pattern 1)]	[1]	
								[=>(Pattern 2)]	[2]	
							[=>(Pattern 3)]			
							[=>(Pattern 4)]			
<i>Comments: dither box over 2 orbits</i>										
<b>Orbit Structure</b>	<b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span>									



Proposal 11966 - Visit 45 - The Recent Star Formation History of SINGS Galaxies

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<b>Visit</b>	Proposal 11966, Visit 45, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: ORIENT 233D TO 293 D Comments: We prefer orients less than 270.									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.4709 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false						(1)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(45)	SEARLE5	RA: 14 02 51.5474 (210.7147808d) Dec: +54 22 50.44 (54.38068d) Equinox: J2000					V=20+/-0.1	Reference Frame: ICRS	
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(45) SEARLE5	WFPC2, IMAGE, WFALL-FIX	F336W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1T3	Pattern 1-1 (2)	600.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
Comments: 3pt line dither in one orbit										
<b>Orbit Structure</b>	<b>Orbit 1</b> <span style="float: right;">Server Version: 20080807</span> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. Key events are marked with arrows: GS Acq at ~300s, three 'Exp. 1' exposures (green boxes) at ~400s, ~1300s, and ~2200s, two 'Pointing Maneuvers' at ~1100s and ~2000s, and an 'Occultation' at ~3100s. A blue checkered bar represents the active observation period from ~300s to ~3100s. A green bar at the end of the timeline from ~3100s to ~3250s is labeled 'Unused Visibility = 145'. The x-axis is labeled 'sec'.</p>									