



10542 - Charting the Sparkling Star Formation in NGC346

Cycle: 14, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) NGC346-HP1	ACS/HRC	1	20-Jun-2005 10:52:53.0	yes
02	(2) NGC346-HP2	ACS/HRC	1	20-Jun-2005 10:53:08.0	yes
03	(3) NGC346-HP3	ACS/HRC	1	20-Jun-2005 10:53:17.0	yes

Proposal 10542 - Overview

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
04	(4) NGC346-HP4	ACS/HRC	1	20-Jun-2005 10:53:30.0	yes
05	(5) NGC346-HP5	ACS/HRC	1	20-Jun-2005 10:53:39.0	yes
06	(6) NGC346-HP6	ACS/HRC	1	20-Jun-2005 10:53:47.0	yes
07	(7) NGC346-HP7	ACS/HRC	1	20-Jun-2005 10:54:00.0	yes
08	(8) NGC346-HP8	ACS/HRC	1	20-Jun-2005 10:54:09.0	yes

8 Total Orbits Used

ABSTRACT

New, stunning V, I images of the youngest and most massive star forming region NGC 346, in the Small Magellanic Cloud, have been recently obtained with the HST/ACS. They reveal a myriad of small compact clusters: some are still embedded in dust, possibly connected by gas and dust filaments. We also discover a rich population of pre-main sequence low mass stars ($\sim 3-0.6$ Mo) mainly distributed in the body of NGC 346 and in these compact clusters, which formed with the central cluster (~ 5 My ago), but have not reached the main sequence yet. The immediate question that emerges is: how did star formation occur in this region? Is there evidence for an age spread among these clusters, that could be indicative of sequential star formation?

We are, therefore, requesting an immediate follow up investigation with the ACS/HRC to perform a comprehensive UV/U study of the ten largest clusters identified in the NGC 346 region, with the objective of determining, in combination with the already available deep V,I data, their mass function, their upper mass cut-off, whether mass segregation is present, whether there are age variations, and what is the impact of the stellar feedback, with the final aim to establish how star formation has occurred and progressed in this low metallicity environment.

OBSERVING DESCRIPTION

We cover eight different regions of star formations.

For each position we use two pointing (with pos targ). The first pointing

Proposal 10542 - Overview

is centered in the cluster itself, the second one is a bit off toward the "fastie" finger. The combination of the two pointing will allow to recover the region masked by the finger and to have a larger FOV.

For each pointing the sequence is the following:

Short F220W + 3 point dither long F2220W + short F220W

Short F330W + 3 point dither long F330W + short F330W.

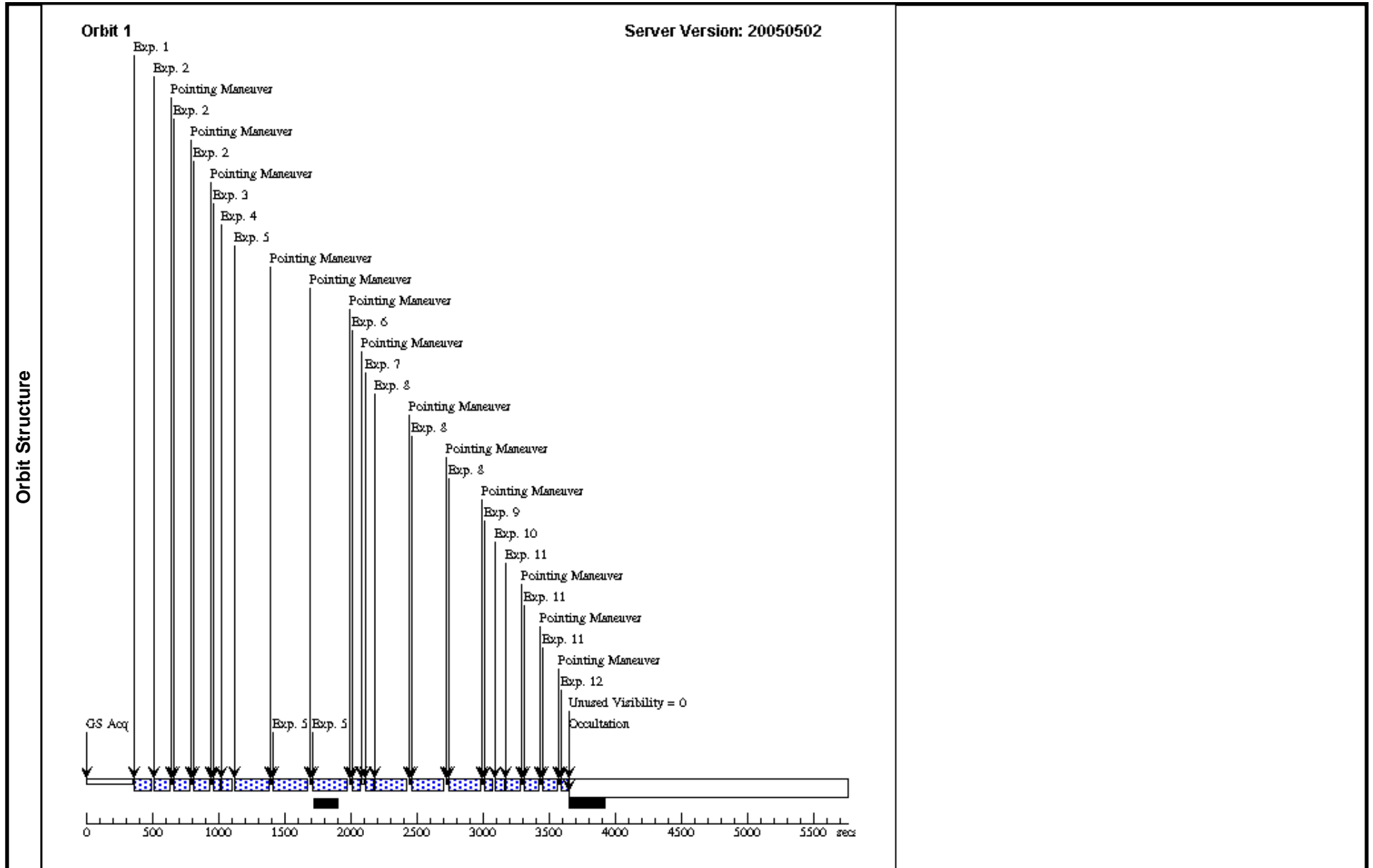
Proposal 10542 - Visit 01 - Charting the Sparkling Star Formation in NGC346

Mon Jun 20 14:54:11 GMT 2005

Visit	Proposal 10542, Visit 01 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: (none)									
	Diagnostics	(Visit 01) Warning: POS TARG OUTSIDE OF APERTURE								
(Visit 01) Warning: PATTERN POSITION OUTSIDE APERTURE										
(Visit 01) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 01) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 01) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 01) Warning: PATTERN POSITION OUTSIDE APERTURE										
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-HRC-DITHER- LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.198 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=44.3 Angle Between Sides= Center Pattern=false					(2), (5), (8), (11)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC346-HP1	RA: 00 59 30.5800 (14.8774167d) Dec: -72 09 10.61 (-72.15295d) Equinox: J2000 Plate Id: 06B1		V=14.59+/-0.3	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) NGC346-HP1	(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs	
									[==>]	[1]
	2	(1) NGC346-HP1	(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO		Pattern 2-2 (1)	80.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
								[==>(Pattern 3)]		
3	(1) NGC346-HP1	(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs		
								[==>]	[1]	
4	(1) NGC346-HP1	(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO			20.0 Secs		
								[==>]	[1]	
5	(1) NGC346-HP1	(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO		Pattern 5-5 (1)	230.0 Secs		
								[==>(Pattern 1)]		
								[==>(Pattern 2)]	[1]	
								[==>(Pattern 3)]		

Proposal 10542 - Visit 01 - Charting the Sparkling Star Formation in NGC346

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,0		20.0 Secs [==>]	[1]
	7		(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36		20.0 Secs [==>]	[1]
	8		(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 8-8 (1)	210.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	9		(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36		20.0 Secs [==>]	[1]
	10		(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36		10.0 Secs [==>]	[1]
	11		(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 11-11 (1)	69.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12		(1) NGC346-HP1	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36		10.0 Secs [==>]	[1]



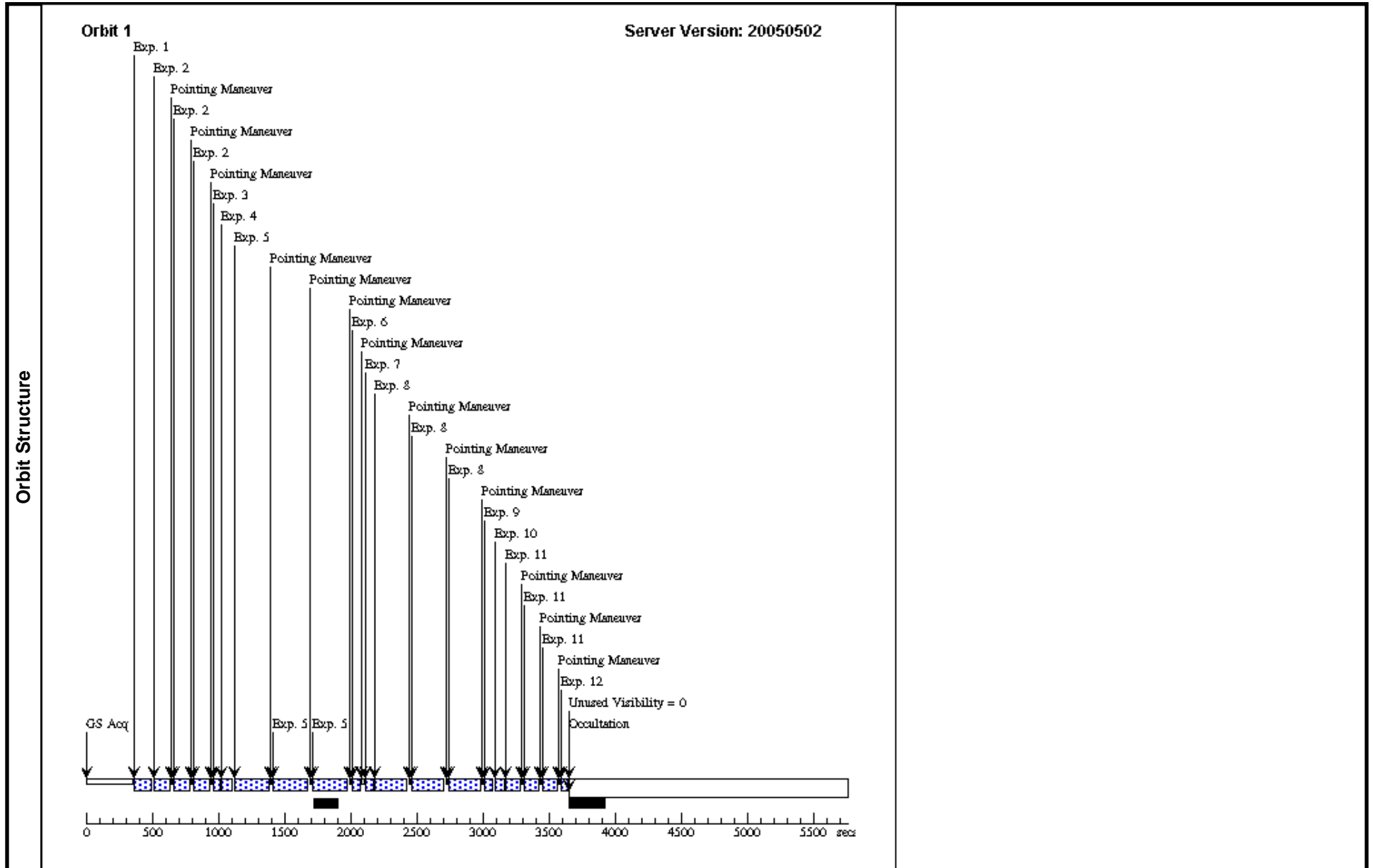
Proposal 10542 - Visit 02 - Charting the Sparkling Star Formation in NGC346

Mon Jun 20 14:54:14 GMT 2005

Visit	Proposal 10542, Visit 02 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: (none)									
	Diagnostics	(Visit 02) Warning: PATTERN POSITION OUTSIDE APERTURE								
(Visit 02) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 02) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 02) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 02) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 02) Warning: PATTERN POSITION OUTSIDE APERTURE										
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-HRC-DITHER- LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.198 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=44.3 Angle Between Sides= Center Pattern=false					(2), (5), (8), (11)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC346-HP2	RA: 00 59 13.9000 (14.8079167d) Dec: -72 09 26.99 (-72.15750d) Equinox: J2000 Plate Id: 06B1		V=15.45+/-0.3	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs	
									[==>]	[1]
	2		(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO		Pattern 2-2 (1)	80.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
								[==>(Pattern 3)]		
3		(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs		
								[==>]	[1]	
4		(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO			20.0 Secs		
								[==>]	[1]	
5		(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO		Pattern 5-5 (1)	230.0 Secs		
								[==>(Pattern 1)]		
								[==>(Pattern 2)]	[1]	
								[==>(Pattern 3)]		

Proposal 10542 - Visit 02 - Charting the Sparkling Star Formation in NGC346

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,0			20.0 Secs [==>]	[1]
	7	(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36			20.0 Secs [==>]	[1]
	8	(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 8-8 (1)		210.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	9	(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36			20.0 Secs [==>]	[1]
	10	(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36			10.0 Secs [==>]	[1]
	11	(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 11-11 (1)		69.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12	(2) NGC346-HP2	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36			10.0 Secs [==>]	[1]



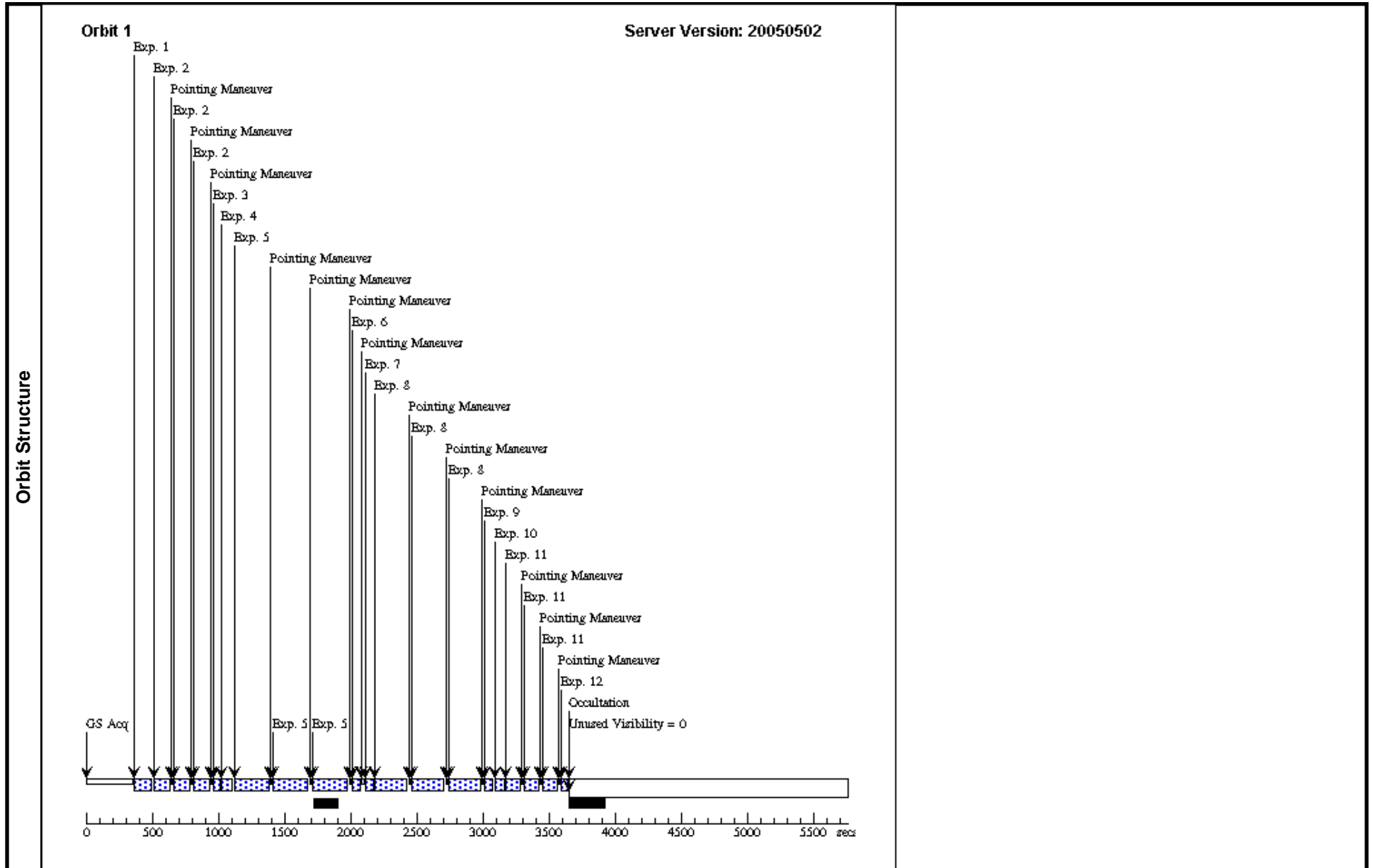
Proposal 10542 - Visit 03 - Charting the Sparkling Star Formation in NGC346

Mon Jun 20 14:54:17 GMT 2005

Visit	Proposal 10542, Visit 03 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: (none)									
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(Visit 03) Warning: POS TARG OUTSIDE OF APERTURE										
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(Visit 03) Warning: POS TARG OUTSIDE OF APERTURE										
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(Visit 03) Warning: PATTERN POSITION OUTSIDE APERTURE										
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-HRC-DITHER- LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.198 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=44.3 Angle Between Sides= Center Pattern=false					(2), (5), (8), (11)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC346-HP3	RA: 00 59 11.6100 (14.7983750d) Dec: -72 09 58.16 (-72.16616d) Equinox: J2000 Plate Id: 06B1		V=15.42+/-0.3	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(3) NGC346-HP3	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs	
									[==>]	[1]
	2	(3) NGC346-HP3	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO		Pattern 2-2 (1)	80.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
								[==>(Pattern 3)]		
3	(3) NGC346-HP3	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs		
								[==>]	[1]	
4	(3) NGC346-HP3	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO			20.0 Secs		
								[==>]	[1]	
5	(3) NGC346-HP3	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO		Pattern 5-5 (1)	230.0 Secs		
								[==>(Pattern 1)]		
								[==>(Pattern 2)]	[1]	
								[==>(Pattern 3)]		

Proposal 10542 - Visit 03 - Charting the Sparkling Star Formation in NGC346

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,0	20.0 Secs	[==>]	[1]	
	7	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	20.0 Secs	[==>]	[1]	
	8	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 8-8 (1)	210.0 Secs	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	9	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	20.0 Secs	[==>]	[1]	
	10	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	10.0 Secs	[==>]	[1]	
	11	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 11-11 (1)	69.0 Secs	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12	(3) NGC346-HP3	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	10.0 Secs	[==>]	[1]	



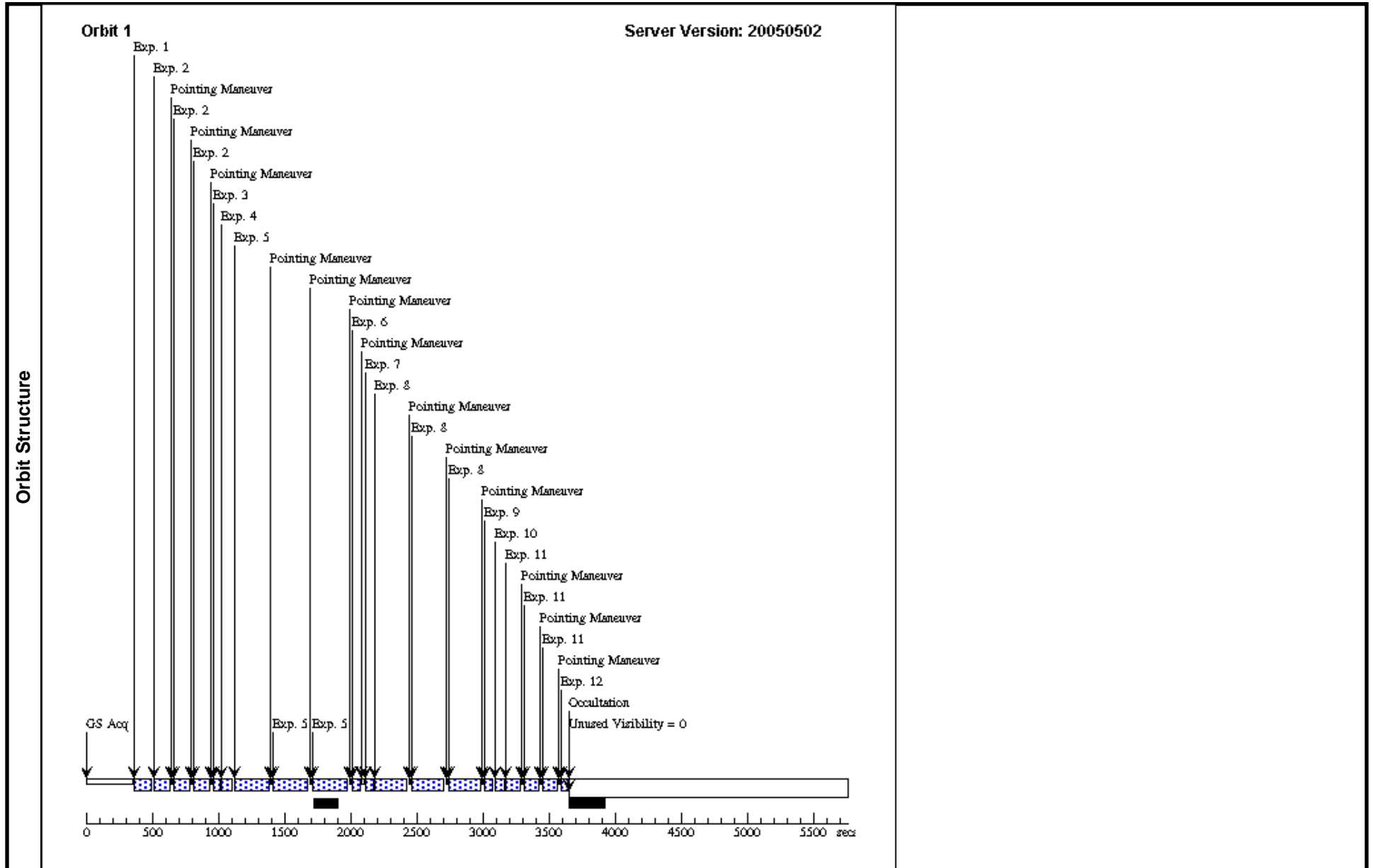
Proposal 10542 - Visit 04 - Charting the Sparkling Star Formation in NGC346

Mon Jun 20 14:54:20 GMT 2005

Visit	Proposal 10542, Visit 04 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: (none)									
	Diagnostics	(Visit 04) Warning: PATTERN POSITION OUTSIDE APERTURE								
(Visit 04) Warning: POS TARG OUTSIDE OF APERTURE										
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(Visit 04) Warning: PATTERN POSITION OUTSIDE APERTURE										
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-HRC-DITHER- LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.198 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=44.3 Angle Between Sides= Center Pattern=false					(2), (5), (8), (11)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC346-HP4	RA: 00 59 19.5200 (14.8313333d) Dec: -72 11 20.20 (-72.18894d) Equinox: J2000 Plate Id: 06B1		V=15.73+/-0.3	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs	
									[==>]	[1]
	2		(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO		Pattern 2-2 (1)	80.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
								[==>(Pattern 3)]		
3		(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs		
								[==>]	[1]	
4		(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO			20.0 Secs		
								[==>]	[1]	
5		(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO		Pattern 5-5 (1)	230.0 Secs		
								[==>(Pattern 1)]		
								[==>(Pattern 2)]		
								[==>(Pattern 3)]	[1]	

Proposal 10542 - Visit 04 - Charting the Sparkling Star Formation in NGC346

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,0	20.0 Secs		[1]	
	7	(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	20.0 Secs		[1]	
	8	(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 8-8 (1)	210.0 Secs		[1]
	9	(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	20.0 Secs		[1]	
	10	(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	10.0 Secs		[1]	
	11	(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 11-11 (1)	69.0 Secs		[1]
	12	(4) NGC346-HP4	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	10.0 Secs		[1]	



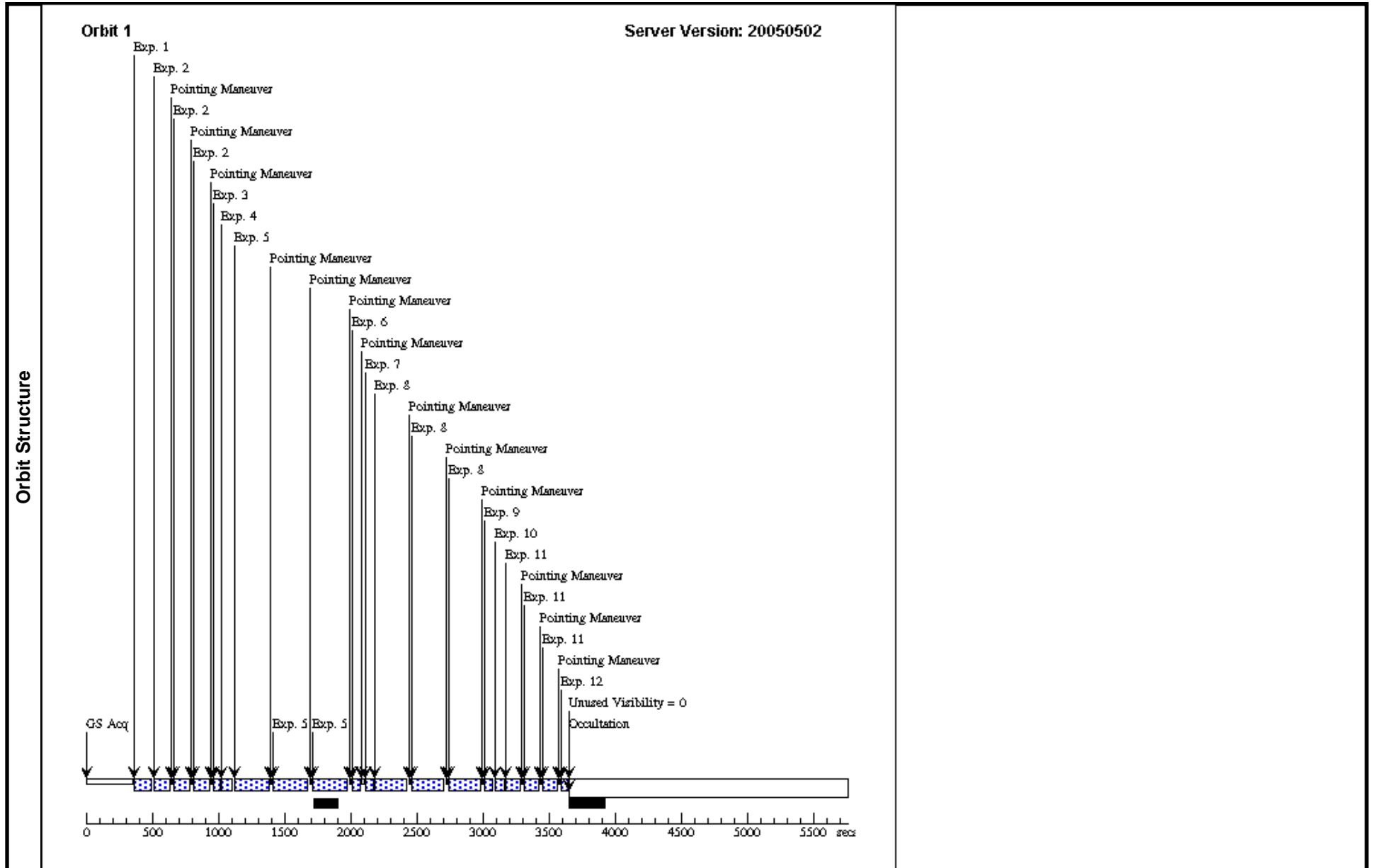
Proposal 10542 - Visit 05 - Charting the Sparkling Star Formation in NGC346

Mon Jun 20 14:54:22 GMT 2005

Visit	Proposal 10542, Visit 05 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: (none)									
	Diagnostics	(Visit 05) Warning: PATTERN POSITION OUTSIDE APERTURE								
(Visit 05) Warning: PATTERN POSITION OUTSIDE APERTURE										
(Visit 05) Warning: POS TARG OUTSIDE OF APERTURE										
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(Visit 05) Warning: POS TARG OUTSIDE OF APERTURE										
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-HRC-DITHER- LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.198 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=44.3 Angle Between Sides= Center Pattern=false					(2), (5), (8), (11)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	NGC346-HP5	RA: 00 59 14.7300 (14.8113750d) Dec: -72 11 2.98 (-72.18416d) Equinox: J2000 Plate Id: 06B1		V=15.35+/-0.3	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(5) NGC346-HP5	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs [==>]	[1]
	2	(5) NGC346-HP5	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO		Pattern 2-2 (1)	80.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	(5) NGC346-HP5	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs [==>]	[1]
	4	(5) NGC346-HP5	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO			20.0 Secs [==>]	[1]
	5	(5) NGC346-HP5	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO		Pattern 5-5 (1)	230.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]

Proposal 10542 - Visit 05 - Charting the Sparkling Star Formation in NGC346

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,0	20.0 Secs	[==>]	[1]	
	7	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	20.0 Secs	[==>]	[1]	
	8	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 8-8 (1)	210.0 Secs	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	9	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	20.0 Secs	[==>]	[1]	
	10	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	10.0 Secs	[==>]	[1]	
	11	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 11-11 (1)	69.0 Secs	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12	(5) NGC346-HP5	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	10.0 Secs	[==>]	[1]	



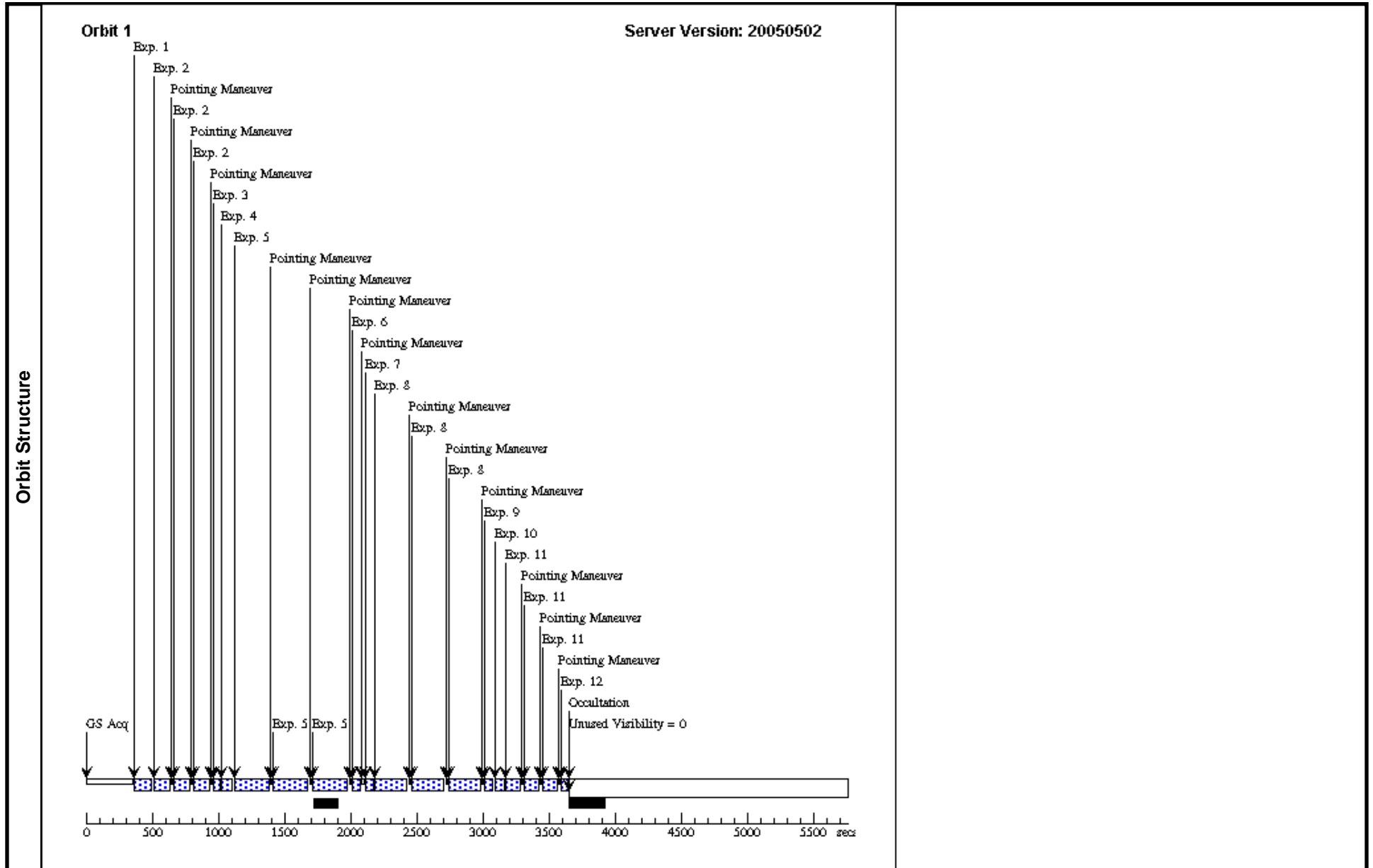
Proposal 10542 - Visit 06 - Charting the Sparkling Star Formation in NGC346

Mon Jun 20 14:54:25 GMT 2005

Visit	Proposal 10542, Visit 06 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: (none)									
	Diagnostics	(Visit 06) Warning: POS TARG OUTSIDE OF APERTURE (Visit 06) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 06) Warning: POS TARG OUTSIDE OF APERTURE (Visit 06) Warning: POS TARG OUTSIDE OF APERTURE (Visit 06) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 06) Warning: POS TARG OUTSIDE OF APERTURE								
Patterns		#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-HRC-DITHER- LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.198 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=44.3 Angle Between Sides= Center Pattern=false				(2), (5), (8), (11)		
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(6)	NGC346-HP6	RA: 00 59 6.1100 (14.7754583d) Dec: -72 10 53.70 (-72.18158d) Equinox: J2000 Plate Id: 06B1		V=15.14+/-0.3	Coordinate Source: GSC_SURVEY_PLATE			
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]
	1	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs [==>]	[1]
	2	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO		Pattern 2-2 (1)	80.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs [==>]	[1]
	4	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO			20.0 Secs [==>]	[1]
	5	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO		Pattern 5-5 (1)	230.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]

Proposal 10542 - Visit 06 - Charting the Sparkling Star Formation in NGC346

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,0		20.0 Secs [==>]	[1]
	7	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36		20.0 Secs [==>]	[1]
	8	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 8-8 (1)	210.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	9	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36		20.0 Secs [==>]	[1]
	10	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36		10.0 Secs [==>]	[1]
	11	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 11-11 (1)	69.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12	(6) NGC346-HP6	(6) NGC346-HP6	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36		10.0 Secs [==>]	[1]



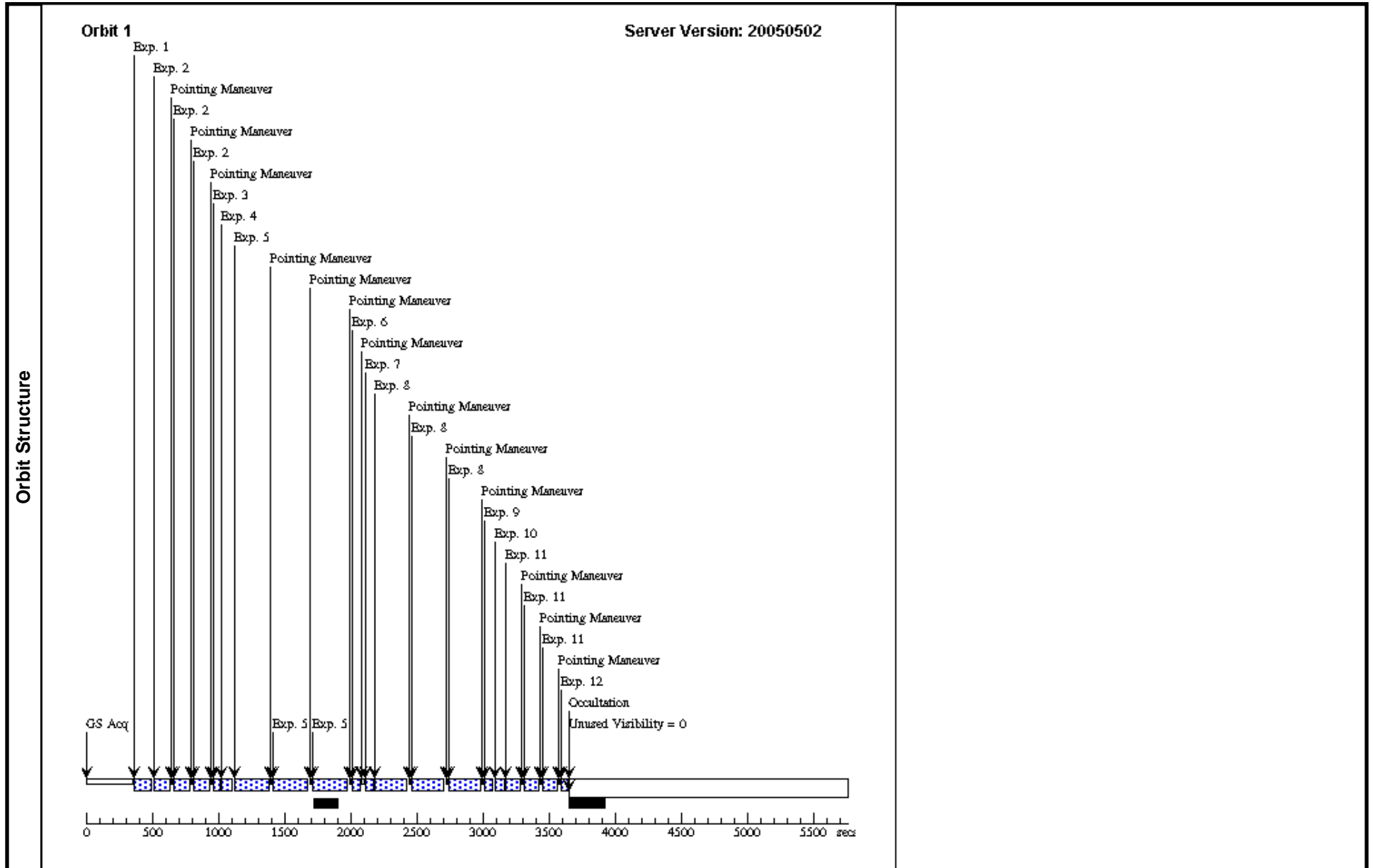
Proposal 10542 - Visit 07 - Charting the Sparkling Star Formation in NGC346

Mon Jun 20 14:54:27 GMT 2005

Visit	Proposal 10542, Visit 07 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: (none)									
	Diagnostics	(Visit 07) Warning: POS TARG OUTSIDE OF APERTURE								
(Visit 07) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 07) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 07) Warning: PATTERN POSITION OUTSIDE APERTURE										
(Visit 07) Warning: PATTERN POSITION OUTSIDE APERTURE										
(Visit 07) Warning: POS TARG OUTSIDE OF APERTURE										
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-HRC-DITHER- LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.198 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=44.3 Angle Between Sides= Center Pattern=false					(2), (5), (8), (11)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC346-HP7	RA: 00 59 0.4500 (14.7518750d) Dec: -72 10 35.68 (-72.17658d) Equinox: J2000 Plate Id: 06B1		V=14.39+/-0.3	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs	
									[==>]	[1]
	2		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO		Pattern 2-2 (1)	80.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
								[==>(Pattern 3)]		
3		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs		
								[==>]	[1]	
4		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO			20.0 Secs		
								[==>]	[1]	
5		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO		Pattern 5-5 (1)	230.0 Secs		
								[==>(Pattern 1)]		
								[==>(Pattern 2)]	[1]	
								[==>(Pattern 3)]		

Proposal 10542 - Visit 07 - Charting the Sparkling Star Formation in NGC346

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,0		20.0 Secs [==>]	[1]
	7		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36		20.0 Secs [==>]	[1]
	8		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 8-8 (1)	210.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	9		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36		20.0 Secs [==>]	[1]
	10		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36		10.0 Secs [==>]	[1]
	11		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 11-11 (1)	69.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12		(7) NGC346-HP7	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36		10.0 Secs [==>]	[1]



Proposal 10542 - Visit 08 - Charting the Sparkling Star Formation in NGC346

Mon Jun 20 14:54:30 GMT 2005

Visit	Proposal 10542, Visit 08 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: (none)									
	Diagnostics	(Visit 08) Warning: PATTERN POSITION OUTSIDE APERTURE								
(Visit 08) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 08) Warning: PATTERN POSITION OUTSIDE APERTURE										
(Visit 08) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 08) Warning: POS TARG OUTSIDE OF APERTURE										
(Visit 08) Warning: POS TARG OUTSIDE OF APERTURE										
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=ACS-HRC-DITHER- LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.198 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=44.3 Angle Between Sides= Center Pattern=false					(2), (5), (8), (11)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	NGC346-HP8	RA: 00 58 59.0700 (14.7461250d) Dec: -72 09 59.60 (-72.16656d) Equinox: J2000 Plate Id: 06B1		V=14.39+/-0.3	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs	
									[==>]	[1]
	2		(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO		Pattern 2-2 (1)	80.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
								[==>(Pattern 3)]		
3		(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO			10.0 Secs		
								[==>]	[1]	
4		(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO			20.0 Secs		
								[==>]	[1]	
5		(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO		Pattern 5-5 (1)	230.0 Secs		
								[==>(Pattern 1)]		
								[==>(Pattern 2)]	[1]	
								[==>(Pattern 3)]		

Proposal 10542 - Visit 08 - Charting the Sparkling Star Formation in NGC346

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,0			20.0 Secs [==>]	[1]
	7	(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36			20.0 Secs [==>]	[1]
	8	(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 8-8 (1)		210.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	9	(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F220W	CR-SPLIT=NO	POS TARG 0,-17.36			20.0 Secs [==>]	[1]
	10	(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36			10.0 Secs [==>]	[1]
	11	(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36	Pattern 11-11 (1)		69.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12	(8) NGC346-HP8	ACS/HRC, ACCUM, HRC	F330W	CR-SPLIT=NO	POS TARG 0,-17.36			10.0 Secs [==>]	[1]

