



13009 - Studying pre-main sequence stars across the metallicity ladder

Cycle: 20, 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>
11	(1) HIGH-HH901 ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:42:24.0	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>
21	(2) HIGH-LH95-F1 ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:42:34.0	yes
31	(3) HIGH-30DOR-OFF ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:42:45.0	yes
41	(4) LOW-LH95-F2 ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:42:55.0	yes
51	(5) LOW-SN1987A-OFF ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:43:04.0	yes
61	(6) HIGH-SFH-1 ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:43:13.0	yes
71	(7) HIGH-NGC346 ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:43:22.0	yes
81	(8) LOW-NGC299 ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:43:31.0	yes
82	(8) LOW-NGC299 ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:43:40.0	yes
91	(9) LOW-NGC376 ANY	ACS/WFC WFC3/UVIS	1	19-Jun-2013 21:43:49.0	yes

10 Total Orbits Used

ABSTRACT

The fundamental goal of any star formation theory is to determine where, when, why and how stars form. Understanding where pre-main sequence (PMS) stars are located, how old and massive they are and how much they grow in mass as they approach the main sequence will provide strong constraints to any such theories. We propose to use the HST to identify several thousands PMS stars in the Galaxy and Large and Small Magellanic Clouds (LMC/SMC), so as to probe widely different star-forming conditions. We will accurately measure for each object the position in the natal cloud, the age, the mass and the mass accretion rate. This can be done very efficiently by obtaining H α imaging of fields where deep HST photometry already exists in the V and I bands. We have developed a novel method to reliably measure the mass accretion rate using a combination of broad-band (V,I) and narrow-band (H α) photometry. Since no spectroscopy is needed, our method can provide the accretion rates for several

hundred objects per observed field, including relatively mature PMS stars (20-30 Myr old) still approaching the MS. These observations will tremendously augment the value of archival data by increasing by an order of magnitude to more than 10,000 the number of stars with measured accretion rates, while reaching lower-metallicity environments ($\sim 1/3$ solar for LMC and $\sim 1/9$ for SMC) similar to those in place when star formation in the Universe was at its peak, at redshift $z \sim 2$. Such a large sample will allow us to study in detail and with high statistical significance how PMS stars accrete mass as a function of their age, chemical composition, mass and location in the star forming region.

OBSERVING DESCRIPTION

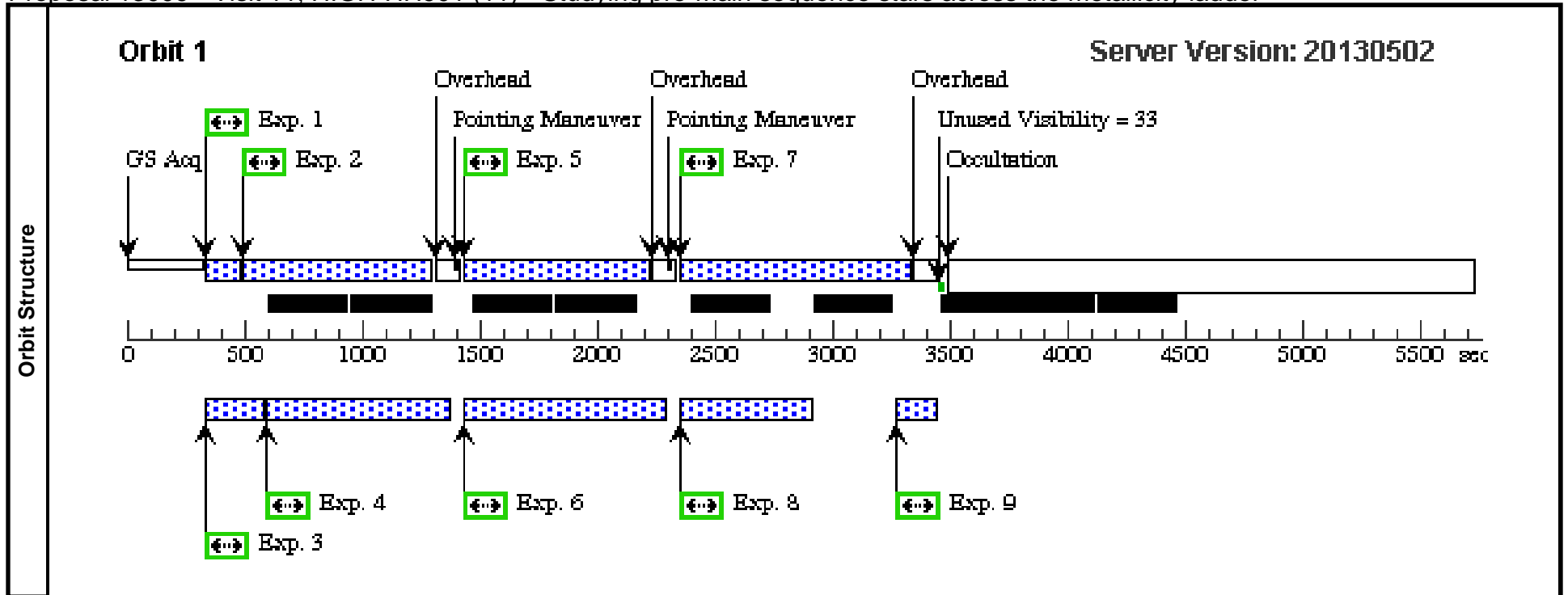
We plan to take images in the H α band of nine star forming regions in different environments for which deep HST photometry with the WFC3, ACS, or WFPC2 is already available in at least the V and I bands (for most young clusters also U or B are available for a proper reddening correction). Each of the nine selected star forming region will be observed as part of a visit lasting one orbit. A dithering pattern is used in each visit, with three or four pointings, meant to cover the gap between the WFC3 chips and to improve the sampling of the PSF.

For most targets, the primary orbit (WFC3) contains only exposures with the H α filter F656N, whereas the parallel orbit (ACS) contains short exposures in the V (F606W) and I (F814W) bands and longer exposures in the H α band (F658N). Exceptions are the fields containing target HIGH-HH901, for which observations in H α are already available but the V band is missing, and target HIGH-30DOR-OFF, for which observations are available in the B and I band but not in V, so besides the long H α exposures, also short exposures in V (F606W) will be taken.

Proposal 13009 - Visit 11, HIGH-HH901 (11) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:43:58 GMT 2013

Visit	Proposal 13009, Visit 11, HIGH-HH901 (11), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 50D TO 150 D; ORIENT 177D TO 184 D; ORIENT 213D TO 321 D Comments: Primary only V, parallel V and I									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	HIGH-HH901	RA: 10 44 8.2200 (161.0342500d) Dec: -59 32 14.60 (-59.53739d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) HIGH-HH901	(1) HIGH-HH901	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W	CR-SPLIT=NO		Prime + Parallel Group 1-4 in Visit 11, HIGH-HH901 (11)	2 Secs (2 Secs) [==>]	[1]
	2	(1) HIGH-HH901	(1) HIGH-HH901	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W	CR-SPLIT=NO		Prime + Parallel Group 1-4 in Visit 11, HIGH-HH901 (11)	803 Secs (803 Secs) [==>]	[1]
	3	ANY	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Group 1-4 in Visit 11, HIGH-HH901 (11)	5 Secs (5 Secs) [==>]	[1]
	4	ANY	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Prime + Parallel Group 1-4 in Visit 11, HIGH-HH901 (11)	657 Secs (657 Secs) [==>]	[1]
	5	(1) HIGH-HH901	(1) HIGH-HH901	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG 0.3,1.7	Prime + Parallel Group 5-6 in Visit 11, HIGH-HH901 (11)	797 Secs (797 Secs) [==>]	[1]
	6	ANY	ANY	ACS/WFC, ACCUM, WFC	F555W			Prime + Parallel Group 5-6 in Visit 11, HIGH-HH901 (11)	700 Secs (700 Secs) [==>]	[1]
	7	(1) HIGH-HH901	(1) HIGH-HH901	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W		POS TARG -0.2,0.0 5	Prime + Parallel Group 7-9 in Visit 11, HIGH-HH901 (11)	980 Secs (980 Secs) [==>]	[1]
	8	ANY	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-9 in Visit 11, HIGH-HH901 (11)	394 Secs (394 Secs) [==>]	[1]
9	ANY	ANY	ACS/WFC, ACCUM, WFC	F555W			Prime + Parallel Group 7-9 in Visit 11, HIGH-HH901 (11)	3 Secs (3 Secs) [==>]	[1]	



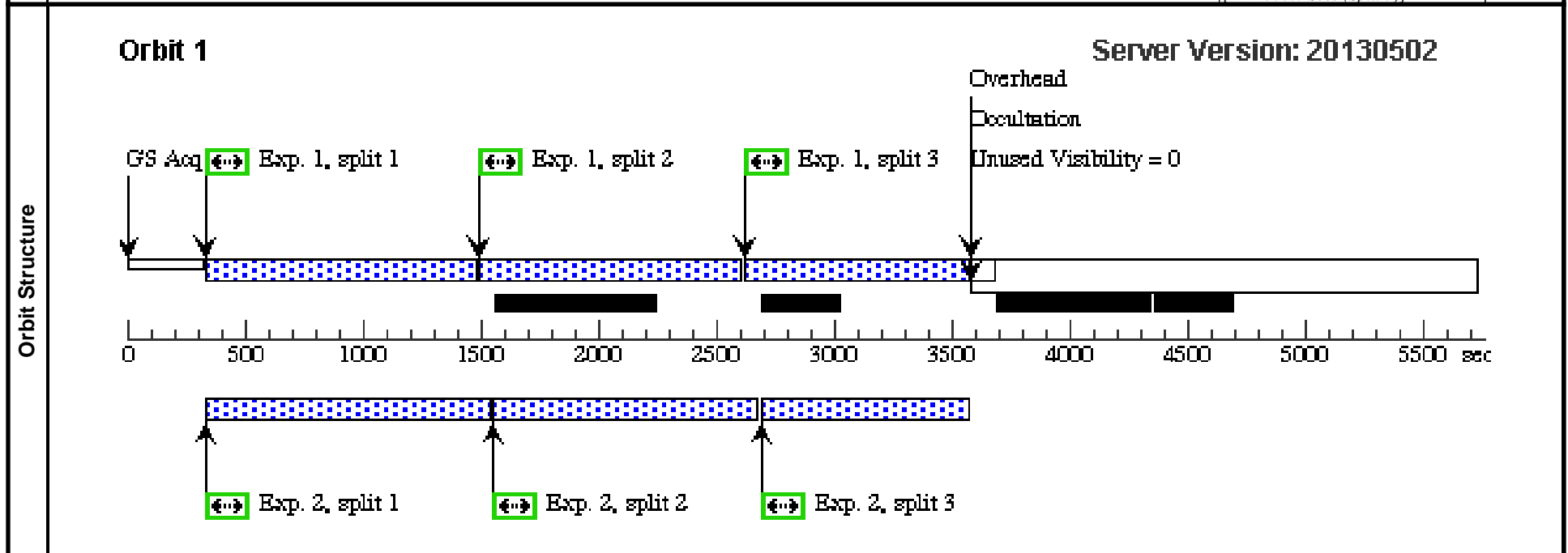
Proposal 13009 - Visit 21, HIGH-LH95-F1 (21) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:00 GMT 2013

Visit	Proposal 13009, Visit 21, HIGH-LH95-F1 (21), completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 158D TO 166 D Comments: Primary and parallel only Halpha				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	HIGH-LH95-F1	RA: 05 36 38.8000 (84.1616667d) Dec: -66 27 15.20 (-66.45422d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS

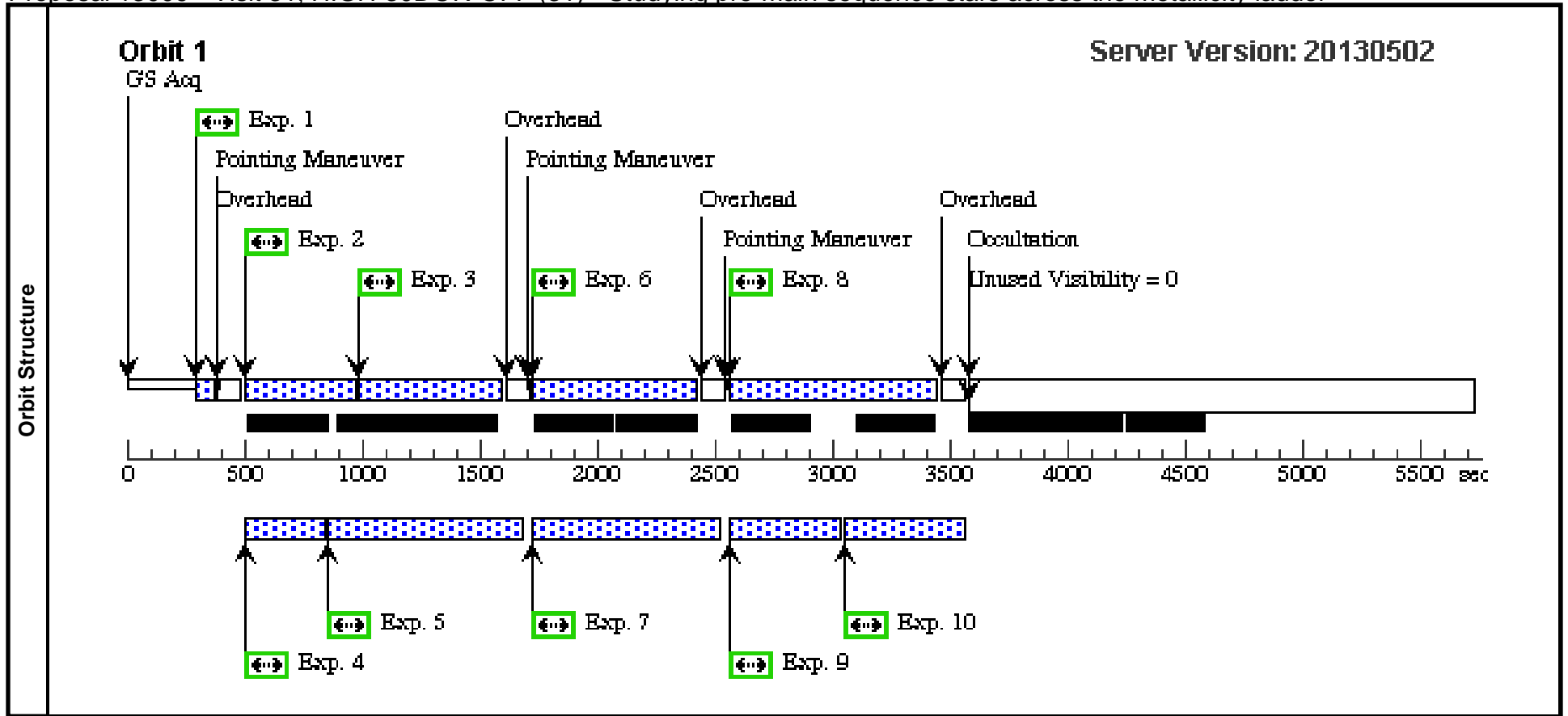
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) HIGH-LH95-F1	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=3		Prime + Parallel Group 1-2 in Visit 21, HIGH-LH95-F1 (21)	3000 Secs (2949 Secs)	
									[==>(Split 1)] [==>(Split 2)] [==>949.0 Secs (Split 3)]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=3		Prime + Parallel Group 1-2 in Visit 21, HIGH-LH95-F1 (21)	3000 Secs (2753 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>753.0 Secs (Split 3)]	[1]	



Proposal 13009 - Visit 31, HIGH-30DOR-OFF (31) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:01 GMT 2013

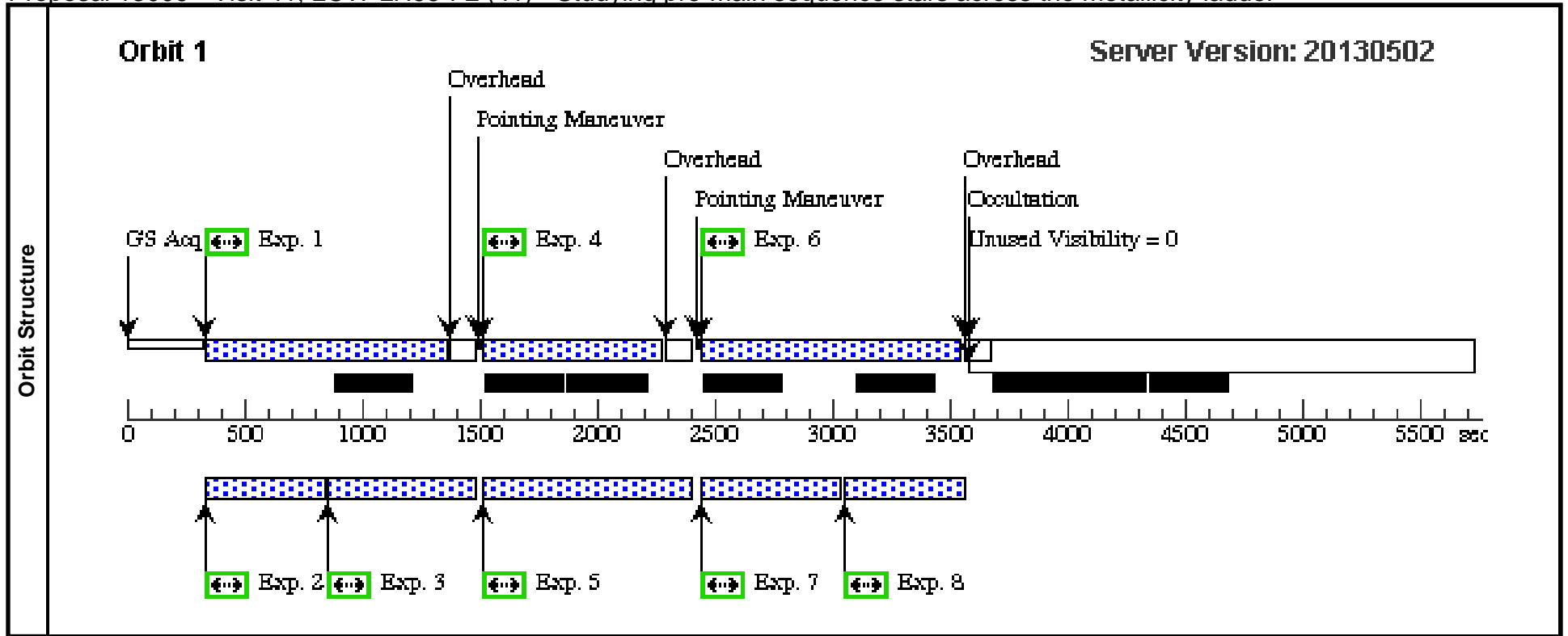
Visit	Proposal 13009, Visit 31, HIGH-30DOR-OFF (31), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: (none) <i>Comments: Primary Halpha and short V, parallel V, I and Halpha</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	HIGH-30DOR-OFF	RA: 05 43 1.9000 (85.7579167d) Dec: -69 02 21.80 (-69.03939d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) HIGH-30DOR-O FF	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 0.1,1.75		45 Secs (45 Secs) [==>]	[1]
	2		(3) HIGH-30DOR-O FF	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	CR-SPLIT=NO		Prime + Parallel Group 2-5 in Visit 31, HIGH-30DOR-OFF (31)	352 Secs (352 Secs) [==>]	[1]
	3		(3) HIGH-30DOR-O FF	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=NO		Prime + Parallel Group 2-5 in Visit 31, HIGH-30DOR-OFF (31)	600 Secs (600 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 2-5 in Visit 31, HIGH-30DOR-OFF (31)	130 Secs (130 Secs) [==>]	[1]
	5		ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=NO		Prime + Parallel Group 2-5 in Visit 31, HIGH-30DOR-OFF (31)	680 Secs (680 Secs) [==>]	[1]
	6		(3) HIGH-30DOR-O FF	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG 0.3,1.7	Prime + Parallel Group 6-7 in Visit 31, HIGH-30DOR-OFF (31)	700 Secs (700 Secs) [==>]	[1]
	7		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 6-7 in Visit 31, HIGH-30DOR-OFF (31)	680 Secs (680 Secs) [==>]	[1]
	8		(3) HIGH-30DOR-O FF	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG -0.2,0.0 5	Prime + Parallel Group 8-10 in Visit 31, HIGH-30DOR-OFF (31)	882 Secs (882 Secs) [==>]	[1]
	9		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 8-10 in Visit 31, HIGH-30DOR-OFF (31)	347 Secs (347 Secs) [==>]	[1]
10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 8-10 in Visit 31, HIGH-30DOR-OFF (31)	347 Secs (347 Secs) [==>]	[1]	



Proposal 13009 - Visit 41, LOW-LH95-F2 (41) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:03 GMT 2013

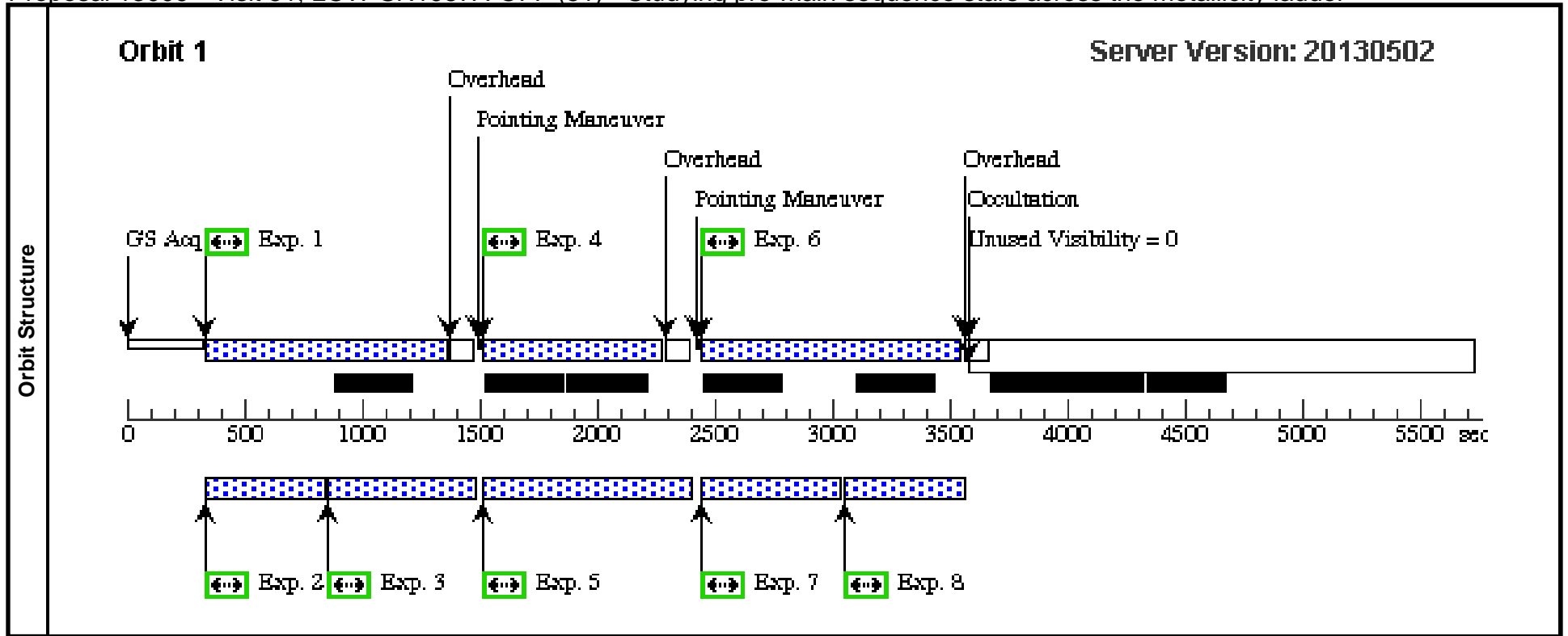
Visit	Proposal 13009, Visit 41, LOW-LH95-F2 (41), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: (none) <i>Comments: Primary only Halpha, parallel short V, short I, two Halpha</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	LOW-LH95-F2	RA: 05 36 11.3397 (84.0472488d) Dec: -66 21 45.60 (-66.36267d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) LOW-LH95-F2	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=NO; FLASH=11		Prime + Parallel Group 1-3 in Visit 41, LOW-LH95-F2 (41)	1000 Secs (1000 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 41, LOW-LH95-F2 (41)	300 Secs (300 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 41, LOW-LH95-F2 (41)	480 Secs (480 Secs) [==>]	[1]
	4		(4) LOW-LH95-F2	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	FLASH=11	POS TARG 0.3,1.7	Prime + Parallel Group 4-5 in Visit 41, LOW-LH95-F2 (41)	760 Secs (760 Secs) [==>]	[1]
	5		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 4-5 in Visit 41, LOW-LH95-F2 (41)	767 Secs (767 Secs) [==>]	[1]
	6		(4) LOW-LH95-F2	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	FLASH=11	POS TARG -0.2,0.05	Prime + Parallel Group 6-8 in Visit 41, LOW-LH95-F2 (41)	1105 Secs (1105 Secs) [==>]	[1]
	7		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 6-8 in Visit 41, LOW-LH95-F2 (41)	470 Secs (470 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-8 in Visit 41, LOW-LH95-F2 (41)	347 Secs (347 Secs) [==>]	[1]



Proposal 13009 - Visit 51, LOW-SN1987A-OFF (51) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:04 GMT 2013

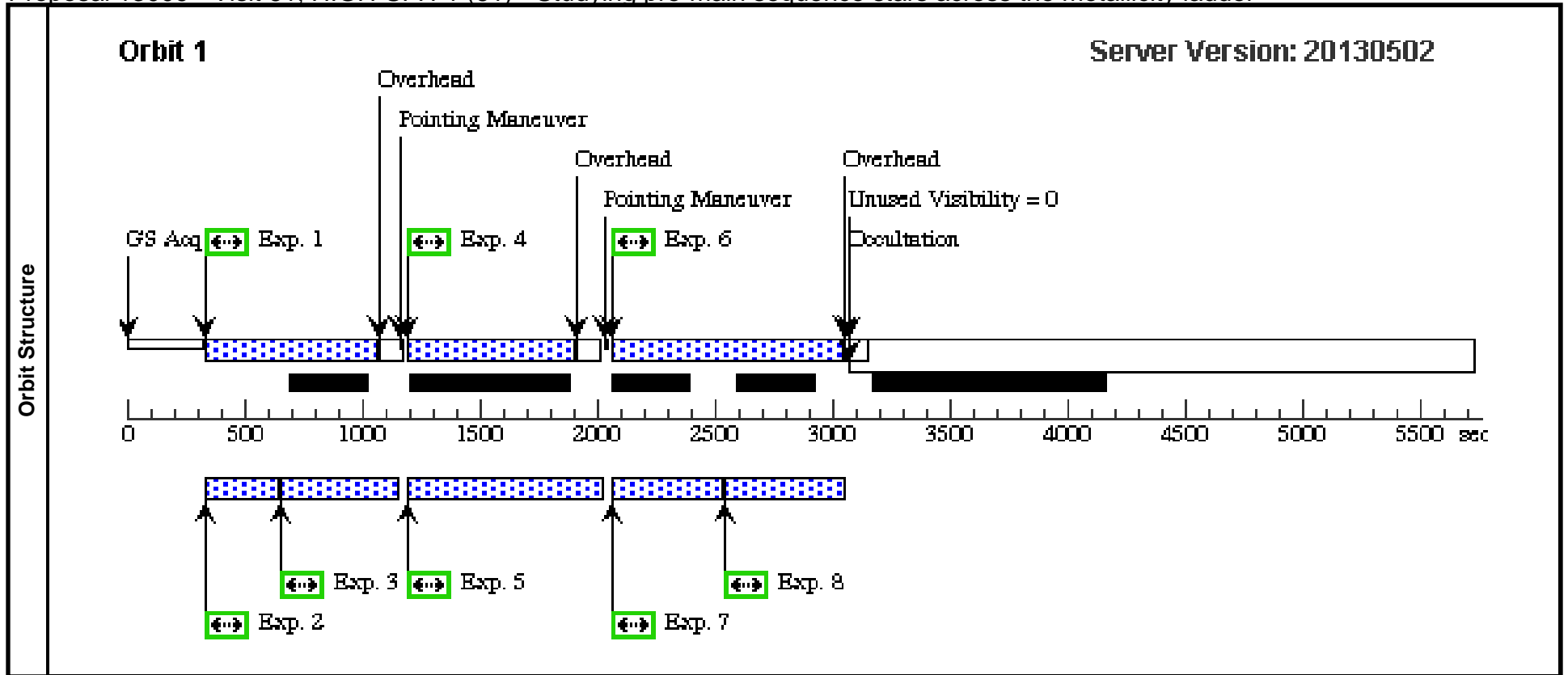
Visit	Proposal 13009, Visit 51, LOW-SN1987A-OFF (51), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 225D TO 45 D Comments: Primary only Halpha, parallel short V, short I, two Halpha									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	LOW-SN1987A-OFF	RA: 05 37 35.0000 (84.3958333d) Dec: -69 16 7.00 (-69.26861d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) LOW-SN1987A-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 51, LOW-SN1987A-OFF (51)	1000 Secs (1000 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 51, LOW-SN1987A-OFF (51)	300 Secs (300 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 51, LOW-SN1987A-OFF (51)	480 Secs (480 Secs) [==>]	[1]
	4		(5) LOW-SN1987A-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG 0.3,1.7	Prime + Parallel Group 4-5 in Visit 51, LOW-SN1987A-OFF (51)	760 Secs (760 Secs) [==>]	[1]
	5		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 4-5 in Visit 51, LOW-SN1987A-OFF (51)	767 Secs (767 Secs) [==>]	[1]
	6		(5) LOW-SN1987A-OFF	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG -0.2,0.0 5	Prime + Parallel Group 6-8 in Visit 51, LOW-SN1987A-OFF (51)	1105 Secs (1105 Secs) [==>]	[1]
	7		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 6-8 in Visit 51, LOW-SN1987A-OFF (51)	470 Secs (470 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-8 in Visit 51, LOW-SN1987A-OFF (51)	347 Secs (347 Secs) [==>]	[1]



Proposal 13009 - Visit 61, HIGH-SFH-1 (61) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:05 GMT 2013

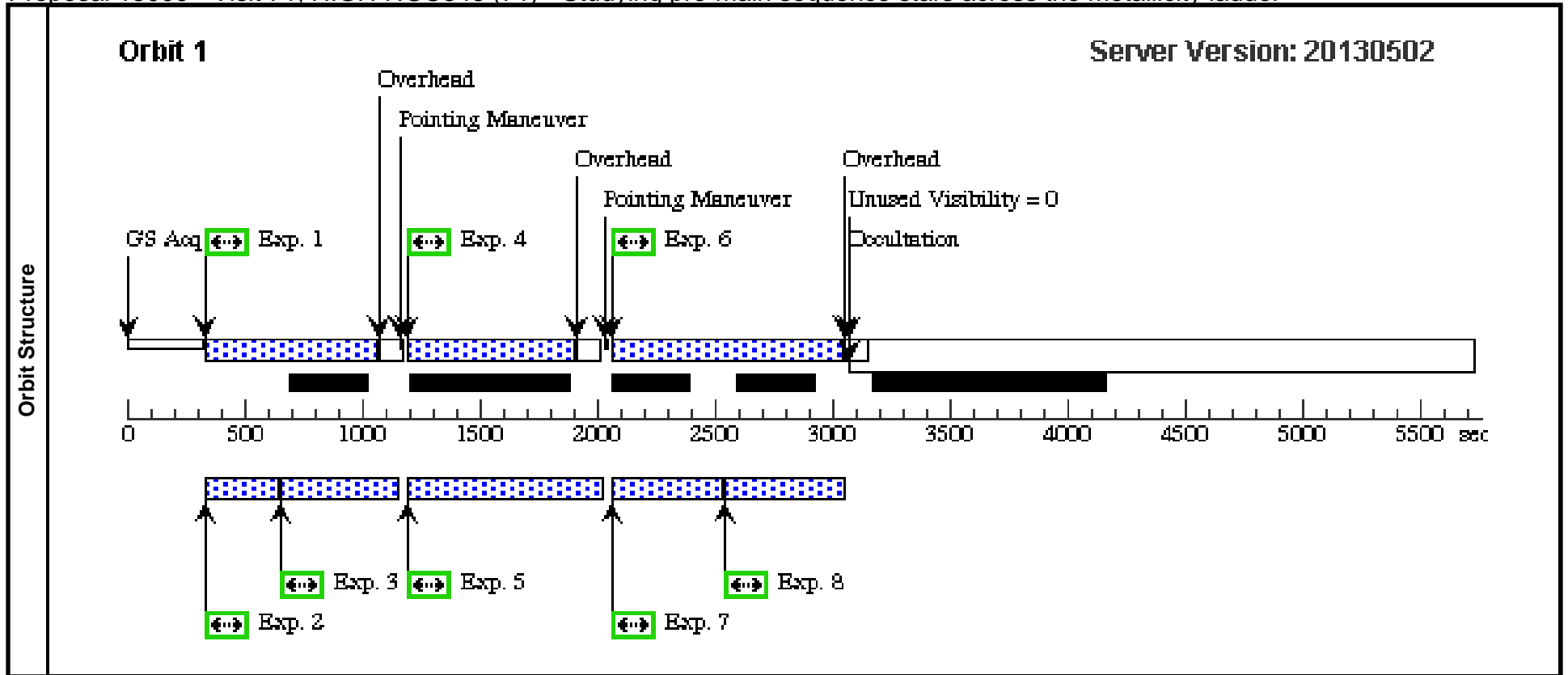
Visit	Proposal 13009, Visit 61, HIGH-SFH-1 (61), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100% <i>Comments: Primary only Halpha, parallel short V, short I, two Halpha</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(6)	HIGH-SFH-1	RA: 00 51 37.6003 (12.9066679d) Dec: -73 06 56.59 (-73.11572d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(6) HIGH-SFH-1	(6) HIGH-SFH-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 61, HIGH-SFH-1 (61)	700 Secs (700 Secs) [==>]	[1]
	2	ANY	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 61, HIGH-SFH-1 (61)	100 Secs (100 Secs) [==>]	[1]
	3	ANY	ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 61, HIGH-SFH-1 (61)	347 Secs (347 Secs) [==>]	[1]
	4	(6) HIGH-SFH-1	(6) HIGH-SFH-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG 0.3,1.7	Prime + Parallel Group 4-5 in Visit 61, HIGH-SFH-1 (61)	712 Secs (712 Secs) [==>]	[1]
	5	ANY	ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 4-5 in Visit 61, HIGH-SFH-1 (61)	707 Secs (707 Secs) [==>]	[1]
	6	(6) HIGH-SFH-1	(6) HIGH-SFH-1	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG -0.2,0.05	Prime + Parallel Group 6-8 in Visit 61, HIGH-SFH-1 (61)	982 Secs (982 Secs) [==>]	[1]
	7	ANY	ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 6-8 in Visit 61, HIGH-SFH-1 (61)	347 Secs (347 Secs) [==>]	[1]
	8	ANY	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-8 in Visit 61, HIGH-SFH-1 (61)	347 Secs (347 Secs) [==>]	[1]



Proposal 13009 - Visit 71, HIGH-NGC346 (71) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:06 GMT 2013

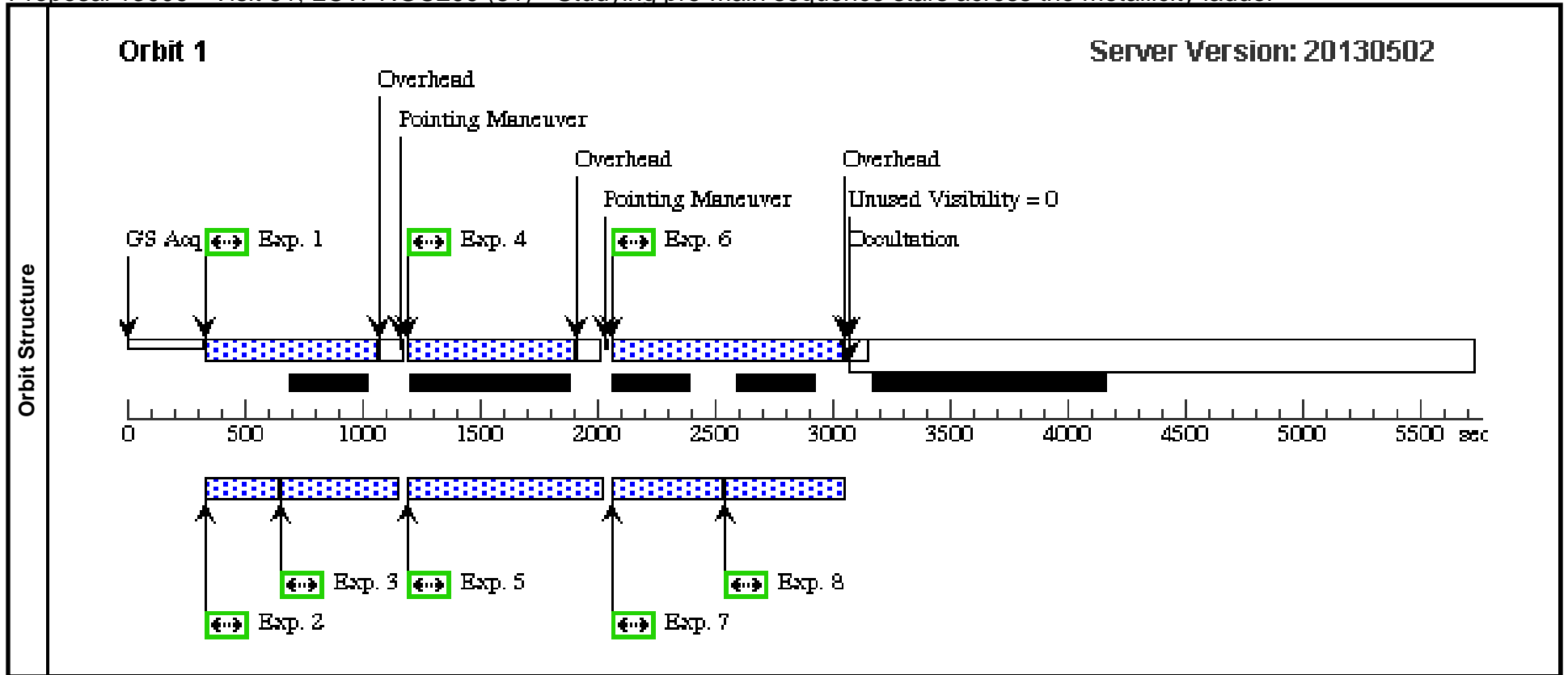
Visit	Proposal 13009, Visit 71, HIGH-NGC346 (71), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100% Comments: Primary only Halpha, parallel short V, short I, two Halpha									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(7)	HIGH-NGC346	RA: 00 58 45.2700 (14.6886250d) Dec: -72 19 51.00 (-72.33083d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) HIGH-NGC346	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 71, HIGH-NGC346 (71)	700 Secs (700 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 71, HIGH-NGC346 (71)	100 Secs (100 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 71, HIGH-NGC346 (71)	347 Secs (347 Secs) [==>]	[1]
	4		(7) HIGH-NGC346	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG 0.3,1.7	Prime + Parallel Group 4-5 in Visit 71, HIGH-NGC346 (71)	712 Secs (712 Secs) [==>]	[1]
	5		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 4-5 in Visit 71, HIGH-NGC346 (71)	707 Secs (707 Secs) [==>]	[1]
	6		(7) HIGH-NGC346	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG -0.2,0.05	Prime + Parallel Group 6-8 in Visit 71, HIGH-NGC346 (71)	982 Secs (982 Secs) [==>]	[1]
	7		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 6-8 in Visit 71, HIGH-NGC346 (71)	347 Secs (347 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-8 in Visit 71, HIGH-NGC346 (71)	347 Secs (347 Secs) [==>]	[1]



Proposal 13009 - Visit 81, LOW-NGC299 (81) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:07 GMT 2013

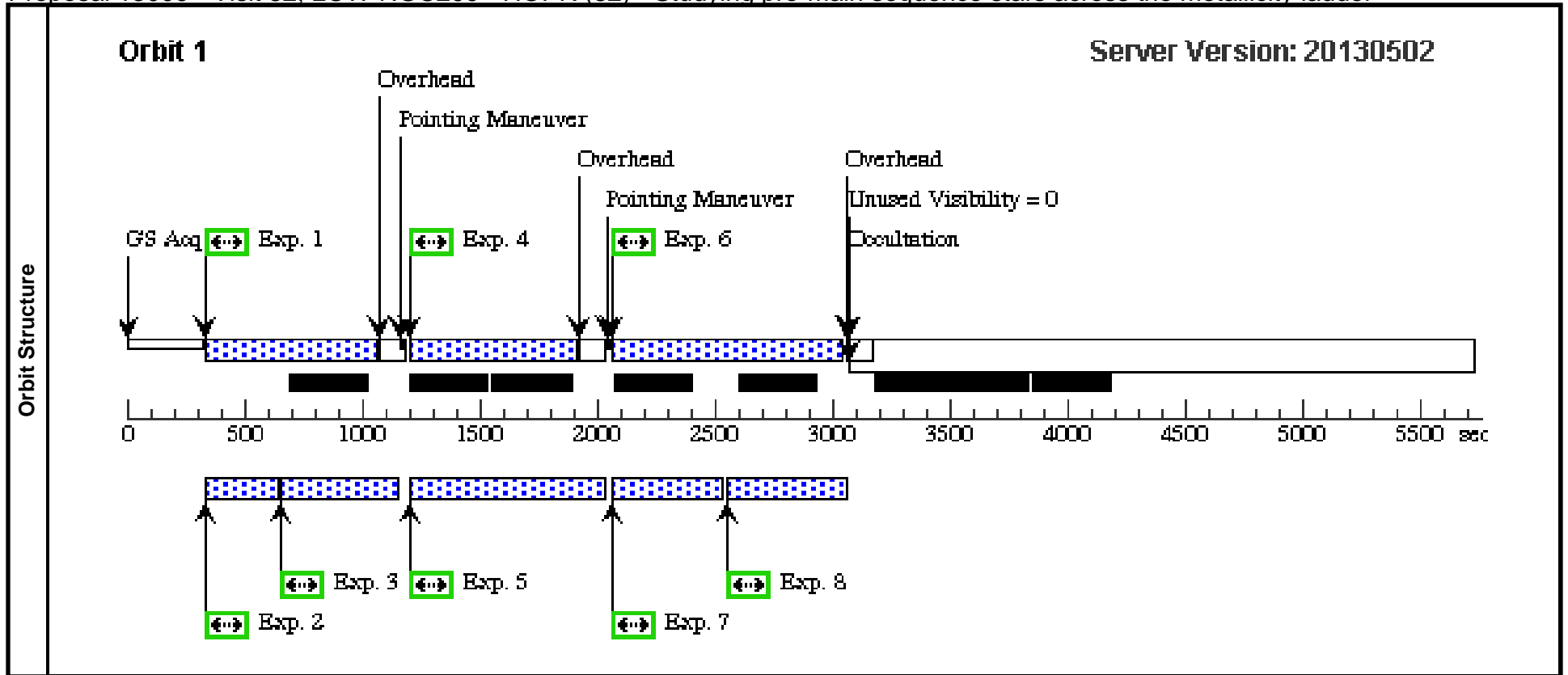
Visit	Proposal 13009, Visit 81, LOW-NGC299 (81), failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100% <i>Comments: Primary only Halpha, parallel short V, short I, two Halpha</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(8)	LOW-NGC299	RA: 00 53 34.6866 (13.3945275d) Dec: -72 12 14.50 (-72.20403d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) LOW-NGC299	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=NO			Prime + Parallel Group 1-3 in Visit 81, LOW-NGC299 (81)	700 Secs (700 Secs) [==>]	[1]
	2	ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO			Prime + Parallel Group 1-3 in Visit 81, LOW-NGC299 (81)	100 Secs (100 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=NO			Prime + Parallel Group 1-3 in Visit 81, LOW-NGC299 (81)	347 Secs (347 Secs) [==>]	[1]
	4	(8) LOW-NGC299	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N		POS TARG 0.3,1.7		Prime + Parallel Group 4-5 in Visit 81, LOW-NGC299 (81)	712 Secs (712 Secs) [==>]	[1]
	5	ANY	ACS/WFC, ACCUM, WFC	F658N				Prime + Parallel Group 4-5 in Visit 81, LOW-NGC299 (81)	707 Secs (707 Secs) [==>]	[1]
	6	(8) LOW-NGC299	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N			POS TARG -0.2,0.05	Prime + Parallel Group 6-8 in Visit 81, LOW-NGC299 (81)	982 Secs (982 Secs) [==>]	[1]
	7	ANY	ACS/WFC, ACCUM, WFC	F658N				Prime + Parallel Group 6-8 in Visit 81, LOW-NGC299 (81)	347 Secs (347 Secs) [==>]	[1]
	8	ANY	ACS/WFC, ACCUM, WFC	F814W				Prime + Parallel Group 6-8 in Visit 81, LOW-NGC299 (81)	347 Secs (347 Secs) [==>]	[1]



Proposal 13009 - Visit 82, LOW-NGC299 - HOPR (82) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:08 GMT 2013

Visit	Proposal 13009, Visit 82, LOW-NGC299 - HOPR (82), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100% Comments: Primary only Halpha, parallel short V, short I, two Halpha. This visit is the repeat of visit 81, which failed due to guide stars acquisition problems.									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(8)	LOW-NGC299	RA: 00 53 34.6866 (13.3945275d) Dec: -72 12 14.50 (-72.20403d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) LOW-NGC299	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=NO; FLASH=12		Prime + Parallel Group 1-3 in Visit 82, LOW-NGC299 - HOPR (82)	700 Secs (700 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 82, LOW-NGC299 - HOPR (82)	100 Secs (100 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 82, LOW-NGC299 - HOPR (82)	347 Secs (347 Secs) [==>]	[1]
	4		(8) LOW-NGC299	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	FLASH=12	POS TARG 0.3,1.7	Prime + Parallel Group 4-5 in Visit 82, LOW-NGC299 - HOPR (82)	712 Secs (712 Secs) [==>]	[1]
	5		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 4-5 in Visit 82, LOW-NGC299 - HOPR (82)	707 Secs (707 Secs) [==>]	[1]
	6		(8) LOW-NGC299	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	FLASH=12	POS TARG -0.2,0.0 5	Prime + Parallel Group 6-8 in Visit 82, LOW-NGC299 - HOPR (82)	982 Secs (982 Secs) [==>]	[1]
	7		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 6-8 in Visit 82, LOW-NGC299 - HOPR (82)	347 Secs (347 Secs) [==>]	[1]
8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-8 in Visit 82, LOW-NGC299 - HOPR (82)	340 Secs (340 Secs) [==>]	[1]	



Proposal 13009 - Visit 91, LOW-NGC376 (91) - Studying pre-main sequence stars across the metallicity ladder

Thu Jun 20 01:44:09 GMT 2013

Visit	Proposal 13009, Visit 91, LOW-NGC376 (91), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100% <i>Comments: Primary only Halpha, parallel short V, short I, two Halpha</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	LOW-NGC376	RA: 01 04 4.6032 (16.0191800d) Dec: -72 49 51.60 (-72.83100d) Equinox: J2000		V=25+/-0.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) LOW-NGC376	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	CR-SPLIT=NO; FLASH=12		Prime + Parallel Group 1-3 in Visit 91, LOW-NGC376 (91)	700 Secs (700 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F606W	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 91, LOW-NGC376 (91)	100 Secs (100 Secs) [==>]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F658N	CR-SPLIT=NO		Prime + Parallel Group 1-3 in Visit 91, LOW-NGC376 (91)	347 Secs (347 Secs) [==>]	[1]
	4		(9) LOW-NGC376	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	FLASH=12	POS TARG 0.3,1.7	Prime + Parallel Group 4-5 in Visit 91, LOW-NGC376 (91)	707 Secs (707 Secs) [==>]	[1]
	5		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 4-5 in Visit 91, LOW-NGC376 (91)	700 Secs (700 Secs) [==>]	[1]
	6		(9) LOW-NGC376	WFC3/UVIS, ACCUM, UVIS-CENTER	F656N	FLASH=12	POS TARG -0.2,0.05	Prime + Parallel Group 6-8 in Visit 91, LOW-NGC376 (91)	982 Secs (982 Secs) [==>]	[1]
	7		ANY	ACS/WFC, ACCUM, WFC	F658N			Prime + Parallel Group 6-8 in Visit 91, LOW-NGC376 (91)	347 Secs (347 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-8 in Visit 91, LOW-NGC376 (91)	347 Secs (347 Secs) [==>]	[1]

