



# 17438 - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

Cycle: 31, Proposal Category: GO

(Availability Mode: SUPPORTED)

## INVESTIGATORS

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Dr. Julianne Dalcanton (CoI)	University of Washington
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Dr. Karoline Gilbert (CoI)	Space Telescope Science Institute
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Dr. Alessandro Savino (CoI)	University of California - Berkeley
Dr. Evan D. Skillman (CoI)	University of Minnesota - Twin Cities
Dr. Nathan Ross Sandford (CoI) (CSA Member)	University of Toronto

## 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) SEX-A	ACS/WFC	2	13-Feb-2026 13:00:25.0	yes
02	(1) SEX-A	ACS/WFC	2	13-Feb-2026 13:00:26.0	yes
03	(1) SEX-A	ACS/WFC	2	13-Feb-2026 13:00:27.0	yes
10	(1) SEX-A	ACS/WFC	1	13-Feb-2026 13:00:27.0	yes
04	(1) SEX-A	ACS/WFC	2	13-Feb-2026 13:00:28.0	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>
05	(1) SEX-A	ACS/WFC	2	13-Feb-2026 13:00:28.0	yes
06	(1) SEX-A	ACS/WFC	2	13-Feb-2026 13:00:29.0	yes
07	(1) SEX-A	ACS/WFC	2	13-Feb-2026 13:00:30.0	yes
08	(1) SEX-A	ACS/WFC	1	13-Feb-2026 13:00:30.0	yes
09	(1) SEX-A	ACS/WFC	2	13-Feb-2026 13:00:31.0	yes

18 Total Orbits Used

## ABSTRACT

We propose HST/ACS Halpha (F658N) imaging to build the largest uniform sample of emission-line stars at sub-SMC metallicity by targeting the dwarf galaxy Sextans A. We will identify and characterize ~500 emission-line stars (Be, Oe, etc) at  $Z \sim 0.1 Z_{\text{sun}}$ , a  $>10x$  increase in the number of emission-line stars known at this metallicity. Such emission-line stars are expected to be a common phase of evolution for intermediate mass and massive stars, particularly at the low-metallicities, but there are few data points available to constrain theoretical predictions (fraction of emission-line stars, relationship to age, etc). Our large, homogenous study of these emission-line stars will greatly improve our knowledge of massive star evolution at low-metallicities as a function of age, metallicity, and location on the HR diagram. We will also supply the first constraints on the emission-line star contamination fraction of intermediate mass core blue helium burning stars (BHeBs;  $M_{\text{star}} > \sim 2 M_{\text{sun}}$ ) at such low metallicities. BHeBs provide critical tests for the physics of the post-main sequence stellar evolution (e.g., mass loss, rotation). This program will provide essential data to the broader community interested in other emission line stars such as symbiotic stars, PNe, luminous M(e) stars, massive young stellar objects, and binary-stripped stars. Observations of such low-metallicity emission line stars can only be made with HST, as they are all too faint and crowded for spectroscopic or ground-based imaging studies.

## OBSERVING DESCRIPTION

This program will obtain precise F658N ACS photometry of Sextans A and matched F625W imaging. The goal is to obtain all O and B type stars in the field down to F475W  $\sim 25.5$  mag in order to have a complete stellar population study of the emission line phenomena at low metallicity. Furthermore we are also investigating the emission-line star contamination fraction of intermediate mass core blue helium burning stars. In total we have 4 visits planned. The first 3 visits will each consist of 2 orbits acquiring 8 F658N exposures over a 4-point box dither pattern with sub-pixel spacing. The exposure times have been optimized to maximize the SNR. The last visit will consist of 2 orbits where we will acquire 4 F658N exposures and 4 F625W exposures. The exposures in each filter will be taken consecutively of each pointing before moving to the next

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pointing in a 4-point box dither pattern. This combination was done to maximize F658N exposures, while simultaneously avoiding the dump buffer time of short exposures taking up exposure time.

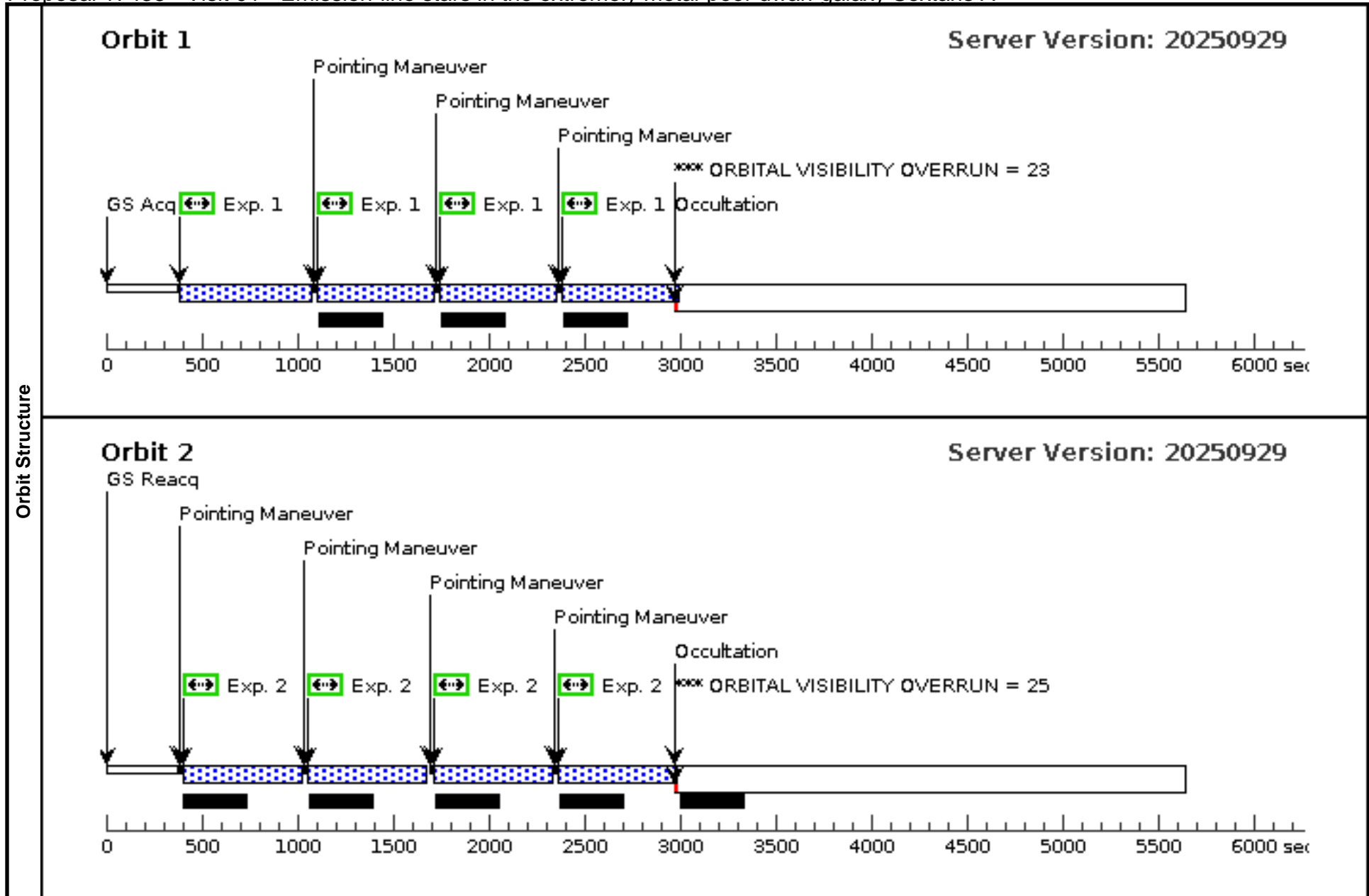
We have specified ORIENTS of 55-65 degrees and 319 degrees, which are all acceptable for our science goals. We require SAME ORIENT for each visit to maximize the SNR of the stars in our sample, and ensure that we reach the necessary depth of the stars in our field.

We expect minimal impact from Reduced Gyro Mode (RGM).

Proposal 17438 - Visit 01 - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

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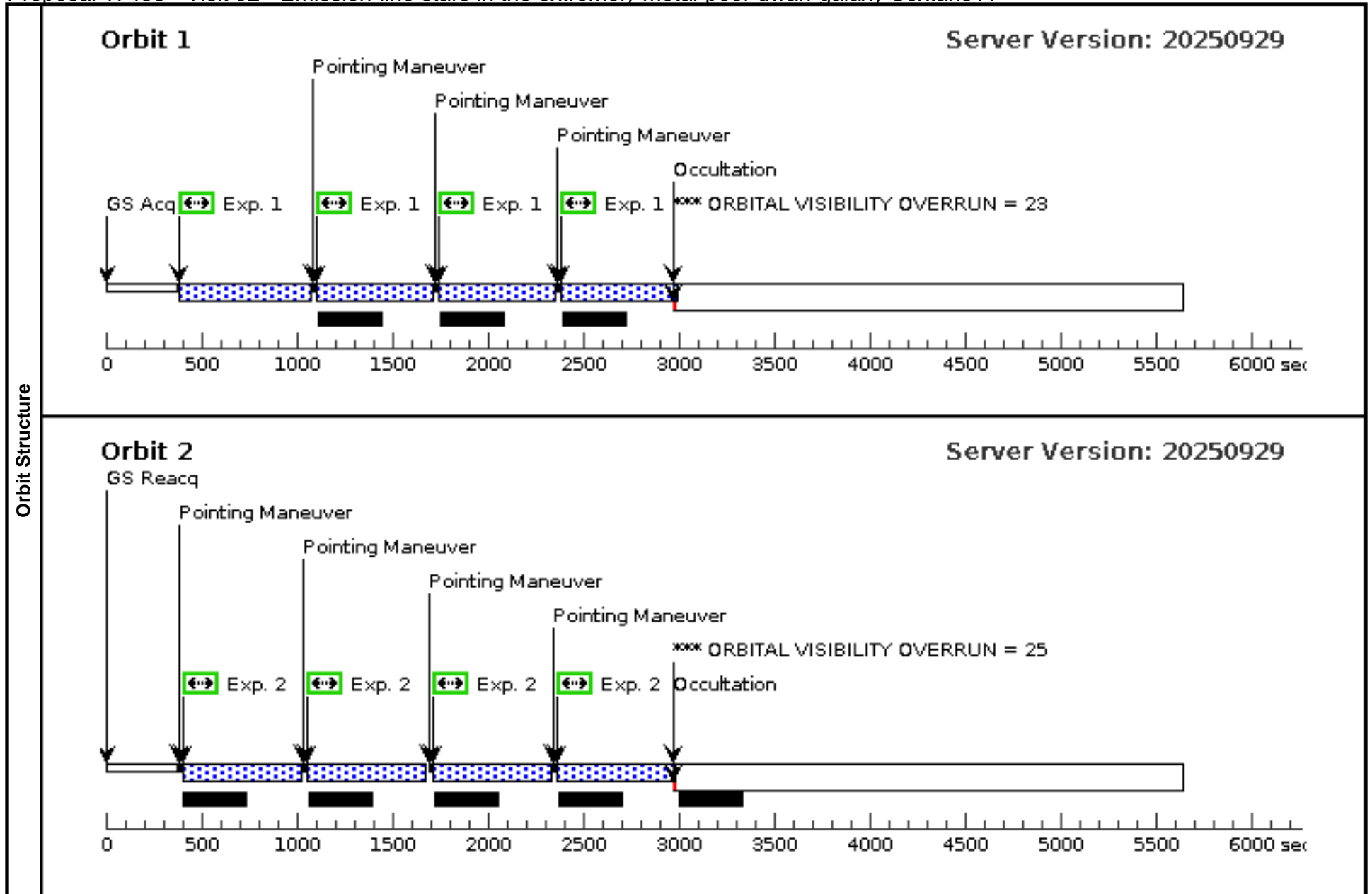
<b>Visit</b>	<b>Proposal 17438, Visit 01, failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 55D TO 65 D; ORIENT 319D TO 319 D									
	(Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 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>				
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STAR FORMING REGION]										
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 1-1 in Visit 01 (1)	516 Secs (1928 Secs)	
	[=>482.0 Secs (Pattern 1)] [=>482.0 Secs (Pattern 2)] [=>482.0 Secs (Pattern 3)] [=>482.0 Secs (Pattern 4)]									
	[1]									
2	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N				Pattern 1, Exps 2-2 in Visit 01 (1)	516 Secs (1992 Secs)	
[=>498.0 Secs (Pattern 1)] [=>498.0 Secs (Pattern 2)] [=>498.0 Secs (Pattern 3)] [=>498.0 Secs (Pattern 4)]										
[2]										



Proposal 17438 - Visit 02 - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

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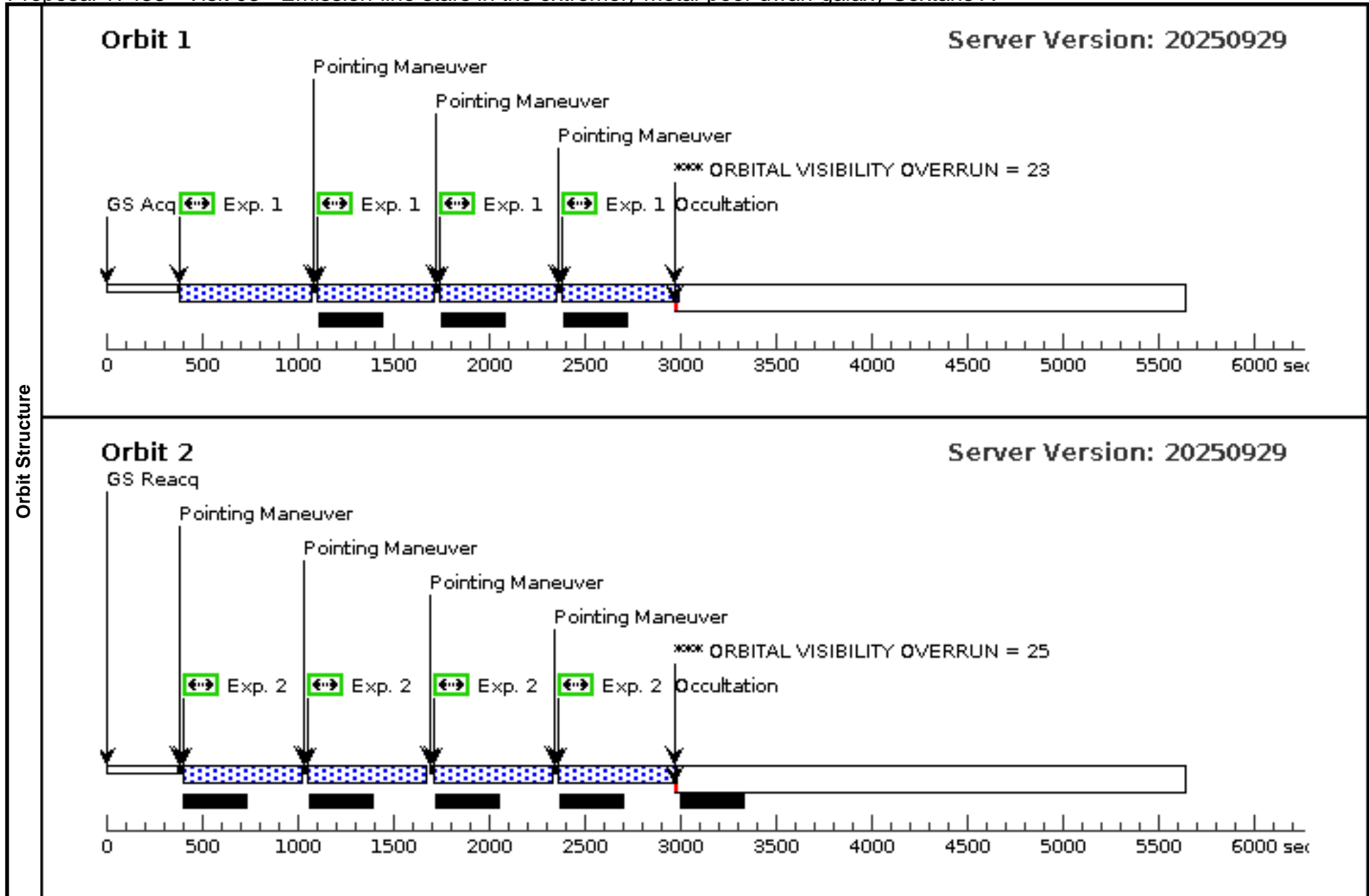
<b>Visit</b>	<b>Proposal 17438, Visit 02, failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 01									
	(Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 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>				
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STAR FORMING REGION]										
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 1-1 in Visit 02 (1)	516 Secs (1928 Secs)	
	[=>482.0 Secs (Pattern 1)] [=>482.0 Secs (Pattern 2)] [=>482.0 Secs (Pattern 3)] [=>482.0 Secs (Pattern 4)]									
	[1]									
2	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N				Pattern 1, Exps 2-2 in Visit 02 (1)	516 Secs (1992 Secs)	
[=>498.0 Secs (Pattern 1)] [=>498.0 Secs (Pattern 2)] [=>498.0 Secs (Pattern 3)] [=>498.0 Secs (Pattern 4)]										
[2]										



Proposal 17438 - Visit 03 - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

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<b>Visit</b>	<b>Proposal 17438, Visit 03, failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 01									
	(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>			<b>Exposures</b>				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 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>				
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STAR FORMING REGION]										
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 1-1 in Visit 03 (1)	516 Secs (1928 Secs)	
	[=>482.0 Secs (Pattern 1)] [=>482.0 Secs (Pattern 2)] [=>482.0 Secs (Pattern 3)] [=>482.0 Secs (Pattern 4)]									
	[1]									
2	(1) SEX-A	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 2-2 in Visit 03 (1)	516 Secs (1992 Secs)	
[=>498.0 Secs (Pattern 1)] [=>498.0 Secs (Pattern 2)] [=>498.0 Secs (Pattern 3)] [=>498.0 Secs (Pattern 4)]										
[2]										



Proposal 17438 - HOPR repeat visit 3 (10) - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

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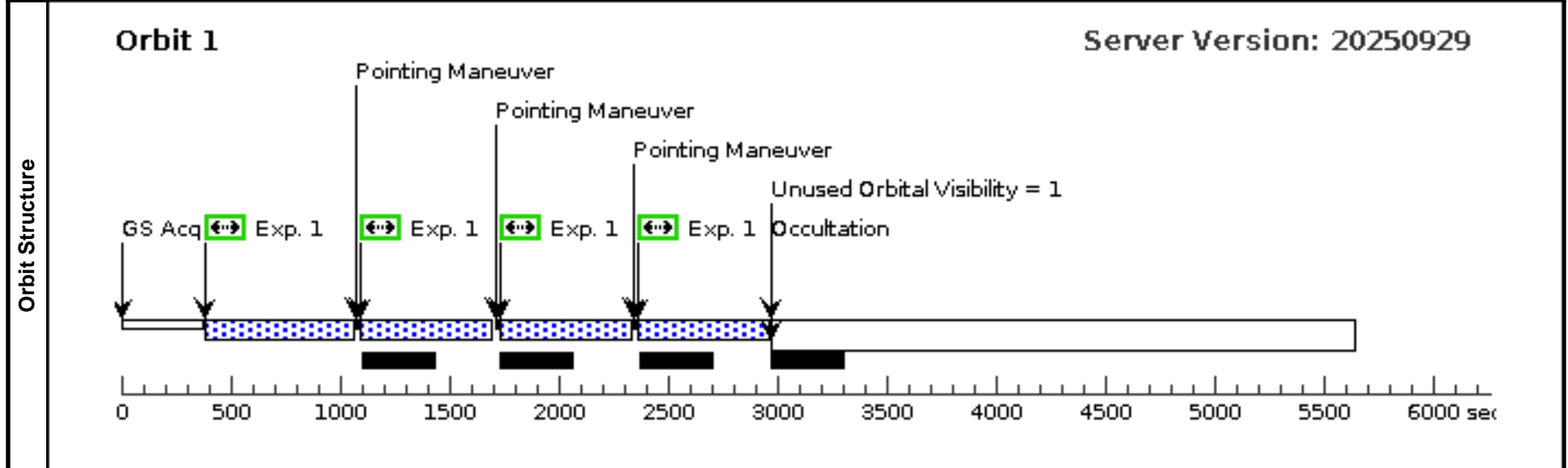
<b>Visit</b>	<b>Proposal 17438, HOPR repeat visit 3 (10)</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 01		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false	

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*  
 Category=GALAXY  
 Description=[STAR FORMING REGION]

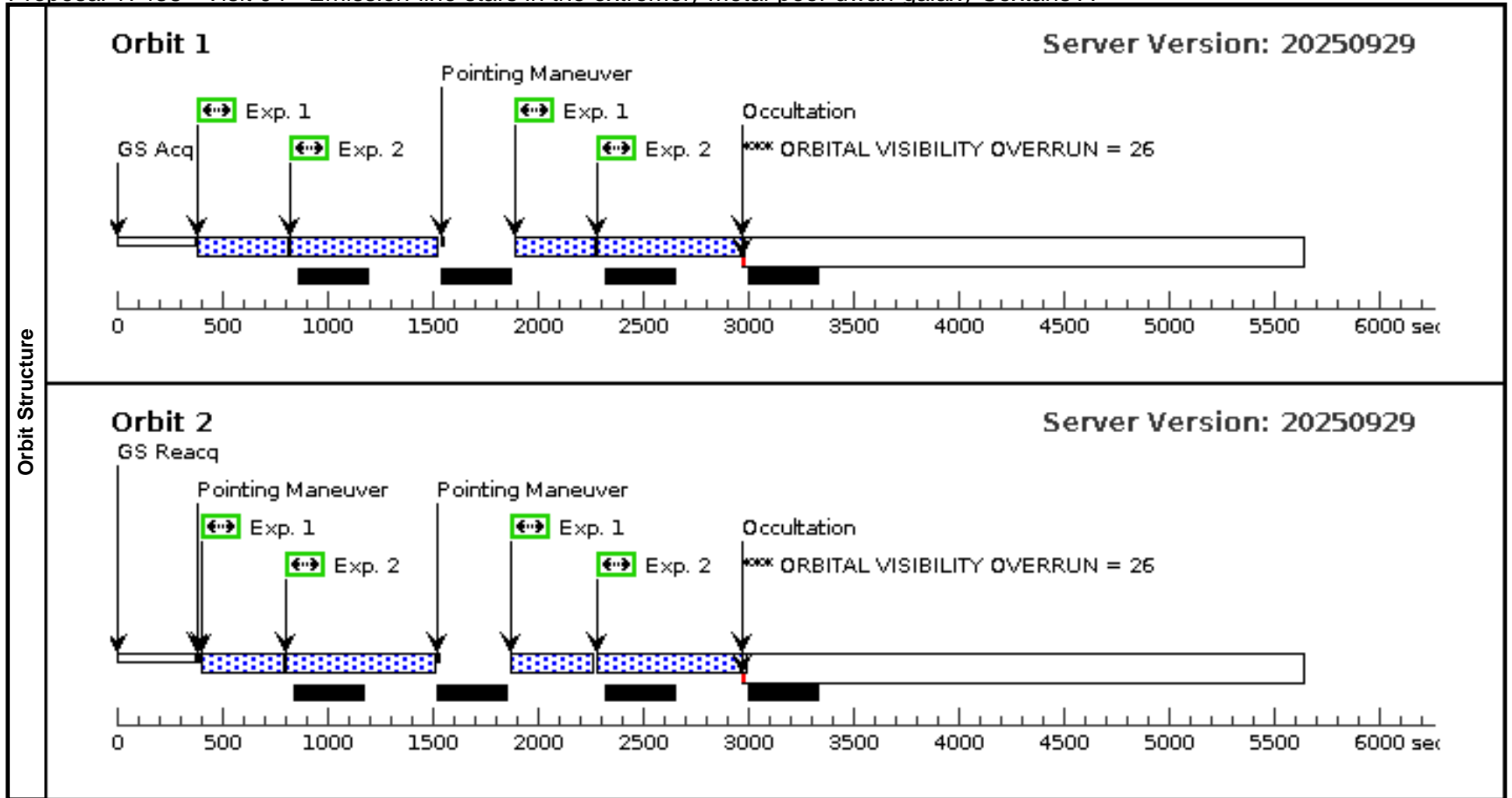
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N				Pattern 1, Exps 1-1 in HOPR repeat visit 3 (10) (1)	516 Secs (1904 Secs) [==>476.0 Secs (Pattern 1)] [==>476.0 Secs (Pattern 2)] [==>476.0 Secs (Pattern 3)] [==>476.0 Secs (Pattern 4)]



Proposal 17438 - Visit 04 - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

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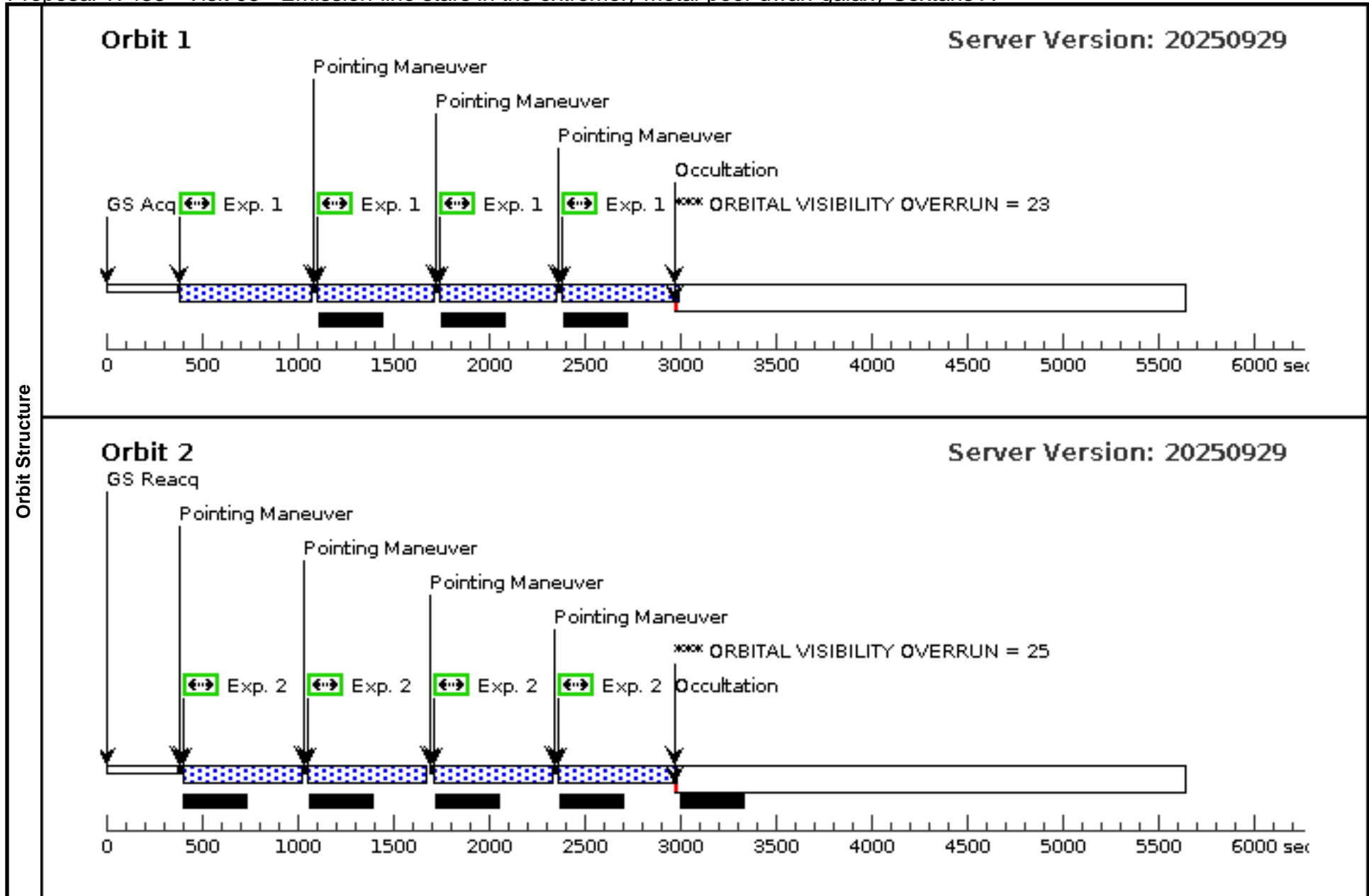
<b>Visit</b>	<b>Proposal 17438, Visit 04, failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 01									
	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 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>				
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STAR FORMING REGION]										
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1		(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F625W			Pattern 1, Exps 1-2 in Visit 04 (1)	340 Secs (918 Secs)	
									[==>226.0 Secs (Pattern 1)]	[1]
									[==>226.0 Secs (Pattern 2)]	[1]
									[==>233.0 Secs (Pattern 3)]	[2]
									[==>233.0 Secs (Pattern 4)]	[2]
2		(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N				Pattern 1, Exps 1-2 in Visit 04 (1)	660 Secs (2198 Secs)	
								[==>546.0 Secs (Pattern 1)]	[1]	
								[==>546.0 Secs (Pattern 2)]	[1]	
								[==>553.0 Secs (Pattern 3)]	[2]	
								[==>553.0 Secs (Pattern 4)]	[2]	



Proposal 17438 - Visit 05 - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

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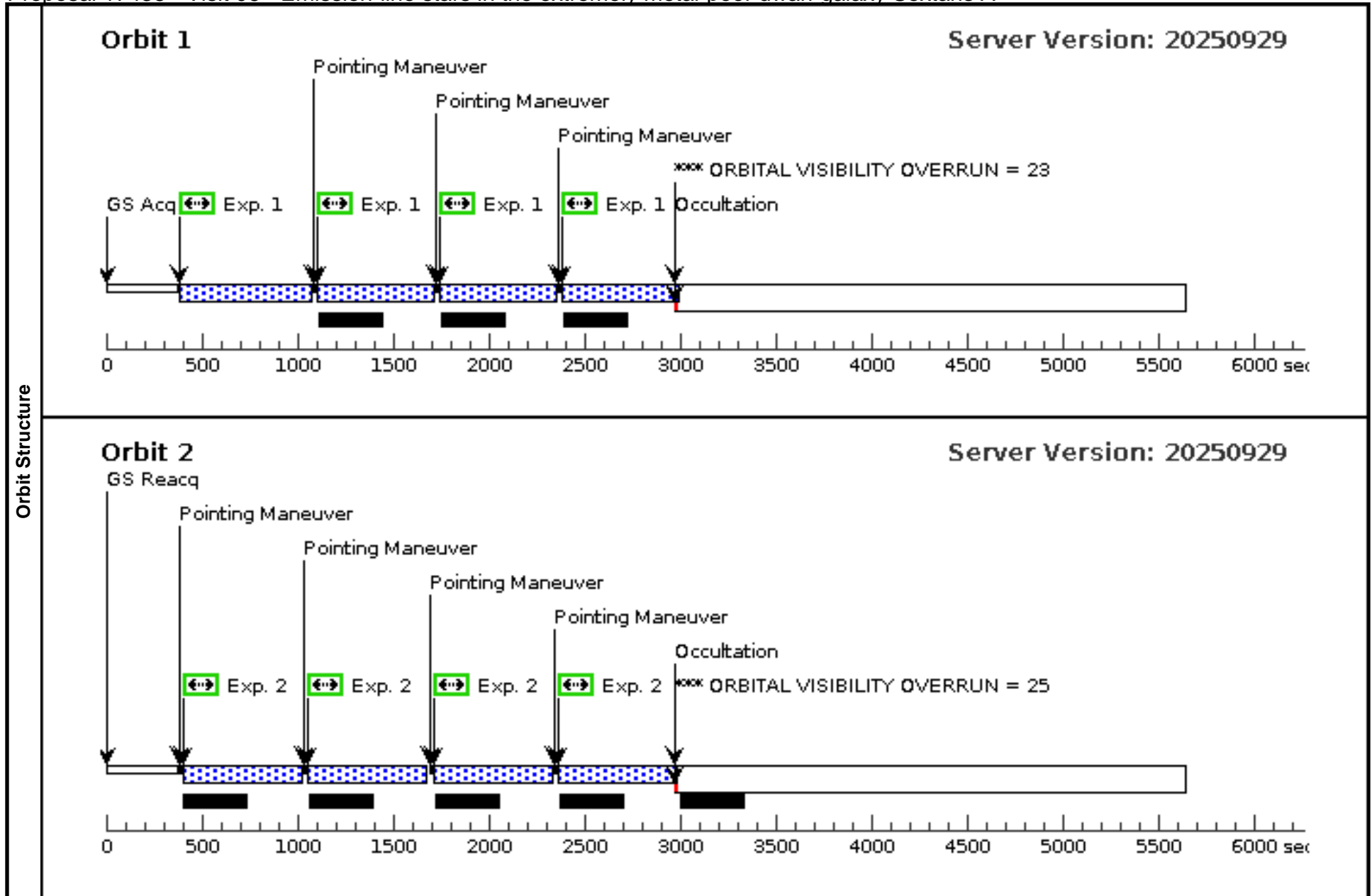
<b>Visit</b>	<b>Proposal 17438, Visit 05, failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 319D TO 319 D									
	(Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 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>				
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STAR FORMING REGION]										
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 1-1 in Visit 05 (1)	516 Secs (1928 Secs) [==>482.0 Secs (Pattern 1)] [==>482.0 Secs (Pattern 2)] [==>482.0 Secs (Pattern 3)] [==>482.0 Secs (Pattern 4)]	[1]
2	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 2-2 in Visit 05 (1)	516 Secs (1992 Secs) [==>498.0 Secs (Pattern 1)] [==>498.0 Secs (Pattern 2)] [==>498.0 Secs (Pattern 3)] [==>498.0 Secs (Pattern 4)]	[2]	



Proposal 17438 - Visit 06 - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

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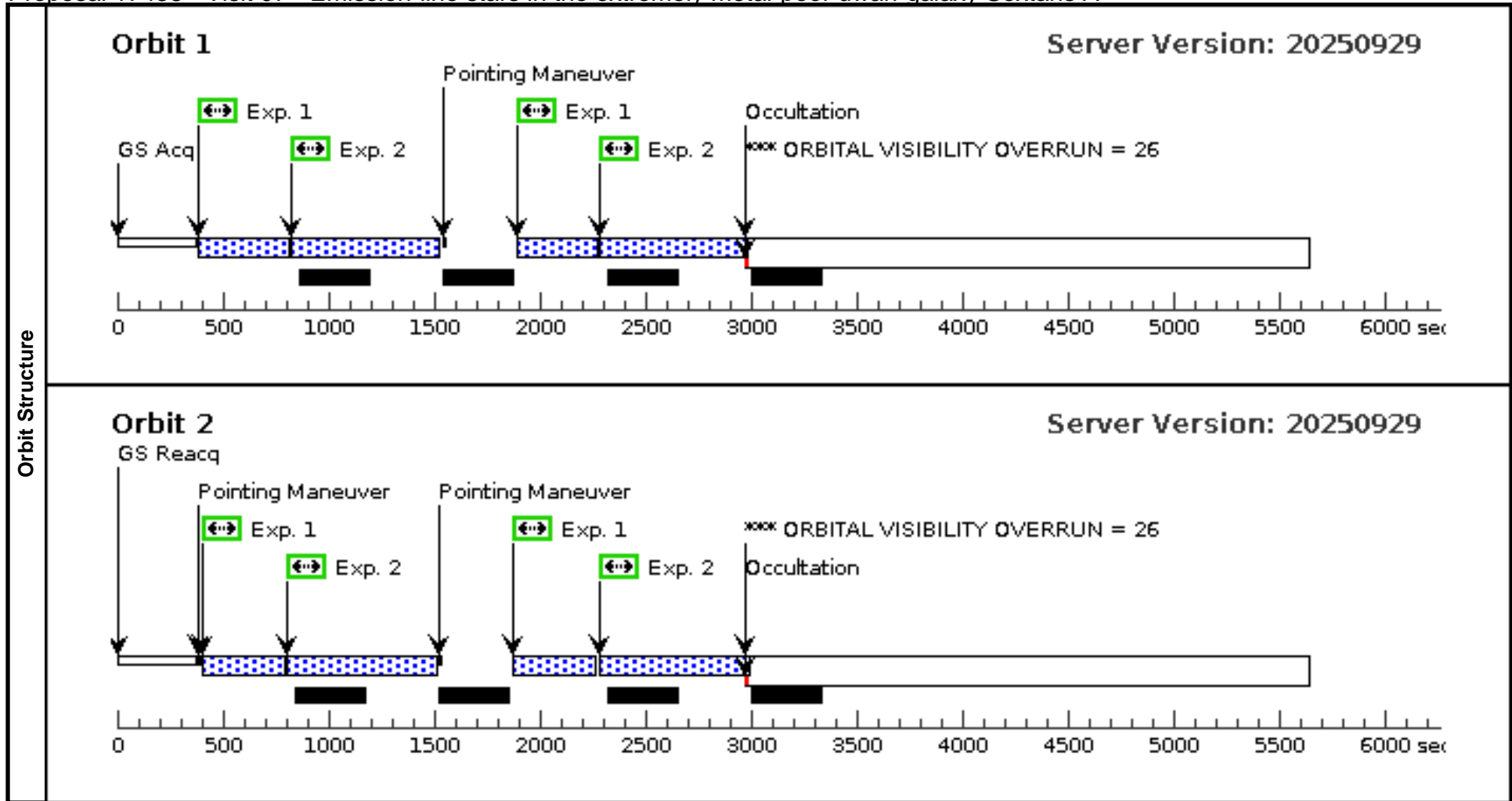
<b>Visit</b>	<b>Proposal 17438, Visit 06, failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 05									
	(Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 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>				
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STAR FORMING REGION]										
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 1-1 in Visit 06 (1)	516 Secs (1928 Secs) [==>482.0 Secs (Pattern 1)] [==>482.0 Secs (Pattern 2)] [==>482.0 Secs (Pattern 3)] [==>482.0 Secs (Pattern 4)]	[1]
2	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 2-2 in Visit 06 (1)	516 Secs (1992 Secs) [==>498.0 Secs (Pattern 1)] [==>498.0 Secs (Pattern 2)] [==>498.0 Secs (Pattern 3)] [==>498.0 Secs (Pattern 4)]	[2]	



Proposal 17438 - Visit 07 - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

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<b>Visit</b>	<b>Proposal 17438, Visit 07, failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 05									
	(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>				
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 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>				
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STAR FORMING REGION]										
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F625W			Pattern 1, Exps 1-2 in Visit 07 (1)	340 Secs (918 Secs)	
	[==>226.0 Secs (Pattern 1)]									
	[==>226.0 Secs (Pattern 2)]									
	[==>233.0 Secs (Pattern 3)]									
	[==>233.0 Secs (Pattern 4)]									
2	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 1-2 in Visit 07 (1)	660 Secs (2198 Secs)		
[==>546.0 Secs (Pattern 1)]										
[==>546.0 Secs (Pattern 2)]										
[==>553.0 Secs (Pattern 3)]										
[==>553.0 Secs (Pattern 4)]										



Proposal 17438 - HOPR repeat visits 5 and 6 (08) - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

Fri Feb 13 18:00:32 GMT 2026

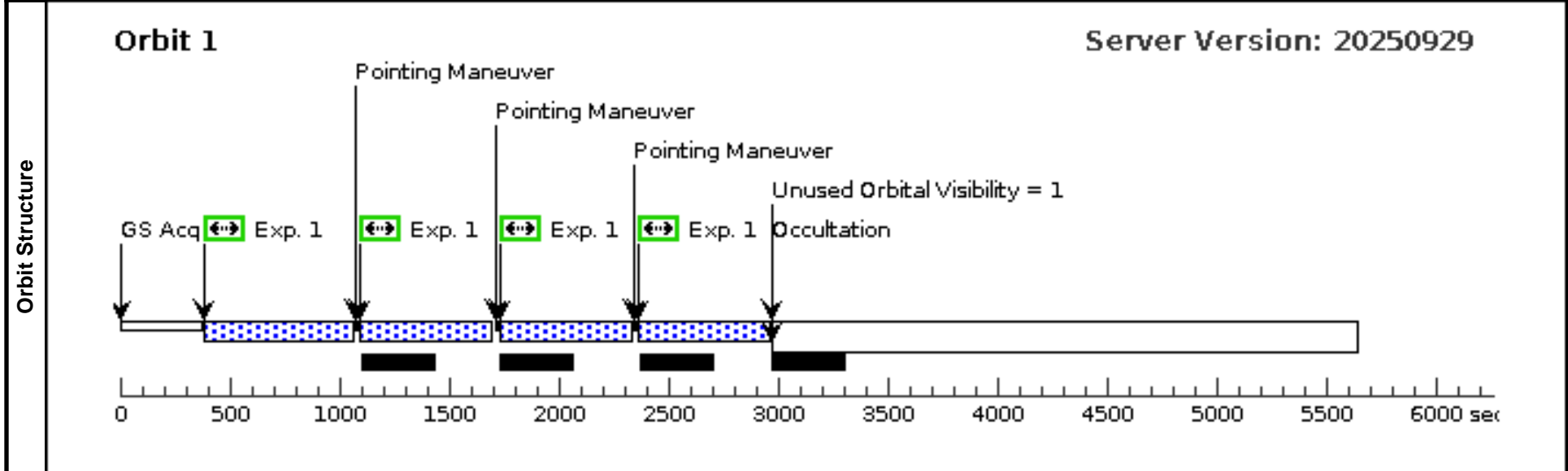
<b>Visit</b>	<b>Proposal 17438, HOPR repeat visits 5 and 6 (08), implementation</b>		
	<b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 319D TO 319 D		

<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 Center Pattern=false	

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.*  
 Category=GALAXY  
 Description=[STAR FORMING REGION]

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N				Pattern 1, Exps 1-1 in HOPR repeat visits 5 and 6 (08) (1)	516 Secs (1904 Secs) [==>476.0 Secs (Pattern 1)] [==>476.0 Secs (Pattern 2)] [==>476.0 Secs (Pattern 3)] [==>476.0 Secs (Pattern 4)]



Proposal 17438 - HOPR repeat visit 7 (09) - Emission-line stars in the extremely metal-poor dwarf galaxy Sextans A

Fri Feb 13 18:00:32 GMT 2026

<b>Visit</b>	<b>Proposal 17438, HOPR repeat visit 7 (09), implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: SAME ORIENT AS 05										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.2637 Line Spacing=0.1856	Coordinate Frame=POS-TARG Pattern Orientation=20.7 Angle Between Sides=69.02 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>					
	(1)	SEX-A	RA: 10 11 0.5900 (152.7524583d) Dec: -04 41 48.73 (-4.69687d) Equinox: J2000	Epoch of Position: 2015.5	V=11.93	Reference Frame: SIMBAD					
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[STAR FORMING REGION]										
<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 (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F625W			Pattern 1, Exps 1-2 in HOPR repeat visit 7 (09) (1)	340 Secs (938 Secs)		
									[==>226.0 Secs (Pattern 1)]		[1]
									[==>226.0 Secs (Pattern 2)]		
									[==>243.0 Secs (Pattern 3)]		[2]
									[==>243.0 Secs (Pattern 4)]		
2	(1) SEX-A	(1) SEX-A	ACS/WFC, ACCUM, WFCENTER	F658N			Pattern 1, Exps 1-2 in HOPR repeat visit 7 (09) (1)	660 Secs (2126 Secs)			
								[==>533 Secs (Pattern 1)]		[1]	
								[==>533 Secs (Pattern 2)]			
								[==>530.0 Secs (Pattern 3)]		[2]	
								[==>530.0 Secs (Pattern 4)]			

