



17893 - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

Cycle: 32, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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Isabel Rivera (CoI) (Contact)	Space Telescope Science Institute

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) IC1848-OFFSET ANY	ACS/WFC WFC3/UVIS	1	24-Feb-2025 15:00:12.0	yes
51	(1) IC1848-OFFSET ANY	ACS/WFC WFC3/UVIS	1	24-Feb-2025 15:00:13.0	yes
02	(1) IC1848-OFFSET ANY	ACS/WFC WFC3/UVIS	1	24-Feb-2025 15:00:14.0	yes
52	(1) IC1848-OFFSET ANY	ACS/WFC WFC3/UVIS	1	24-Feb-2025 15:00:14.0	yes
03	(1) IC1848-OFFSET ANY	ACS/WFC WFC3/UVIS	1	24-Feb-2025 15:00:15.0	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>
04	(1) IC1848-OFFSET ANY	ACS/WFC WFC3/UVIS	1	24-Feb-2025 15:00:16.0	yes
05	(1) IC1848-OFFSET ANY	ACS/WFC WFC3/UVIS	1	24-Feb-2025 15:00:17.0	yes

7 Total Orbits Used

ABSTRACT

Reduced Gyro Mode (RGM) imposes significant orientation limitations on observations. Not only do observers have less freedom in choosing the orientation for their exposures, but sometimes there are no allowable orientations that have two guide stars. When there is a primary GS but no secondary GS, the telescope boresight can be held steady, but the telescope must rely on the gyro to hold the orient steady. Orient drift about the guide star in the FGS translates to pointing drift for the prime instrument. We have analyzed the pointing stability of available archival 1GS observations pre/post RGM, and we find no perceptible impact to image quality. As a result of this finding, all SNAPs have been converted to single-GS guiding. However, since SNAPs are typically <500s, it is hard to assess the impact of one-star guiding on longer exposures and visits. This proposed program will provide PIs with critical information to make better informed Phase-2 decisions regarding exposure length.

To measure the stability of the pointing on single star guiding, we will observe a rich stellar field near IC 1848 (Soul Nebula) with WFC3/UVIS. We will obtain multiple undithered exposures (as any change in the pointing will thus be guiding error) in a single filter, and repeat the observations five times to validate the result. Additionally, we will obtain two ACS/WFC images in parallel at the end of each orbit to investigate the effects of single star guiding on the parallel instruments.

Additionally, these observations will aid in constraining the focus of the observatory by allowing a much larger number of stars to be measured on more regions of the detectors, especially the corners in amplifiers A and D, where the focus variations are strongest.

OBSERVING DESCRIPTION

We observe a field offset south from the center of IC 1848 with WFC3/UVIS F410M. We avoid the center of the cluster due to the presence of two extremely bright ($B \sim 7$ mag) stars.

Each of the five visits are identical. Each visit is to be separated by between 1 and 3 days to sample the behavior of the pointing control system.

Each visit visit has the following structure of exposures

- 35s UVIS F410M
- 350s UVIS F410M
- 350s UVIS F410M
- 350s UVIS F410M
- 350s UVIS F410M + ACS/WFC F606W in parallel
- 350s UVIS F410M + ACS/WFC F606W in parallel

This strategy allows for the collection of the most images in a visit, while ensuring adequate SNR on many stars in the field. The orient ranges are set to attempt to prevent bright figure 8 ghosts from affecting the data.

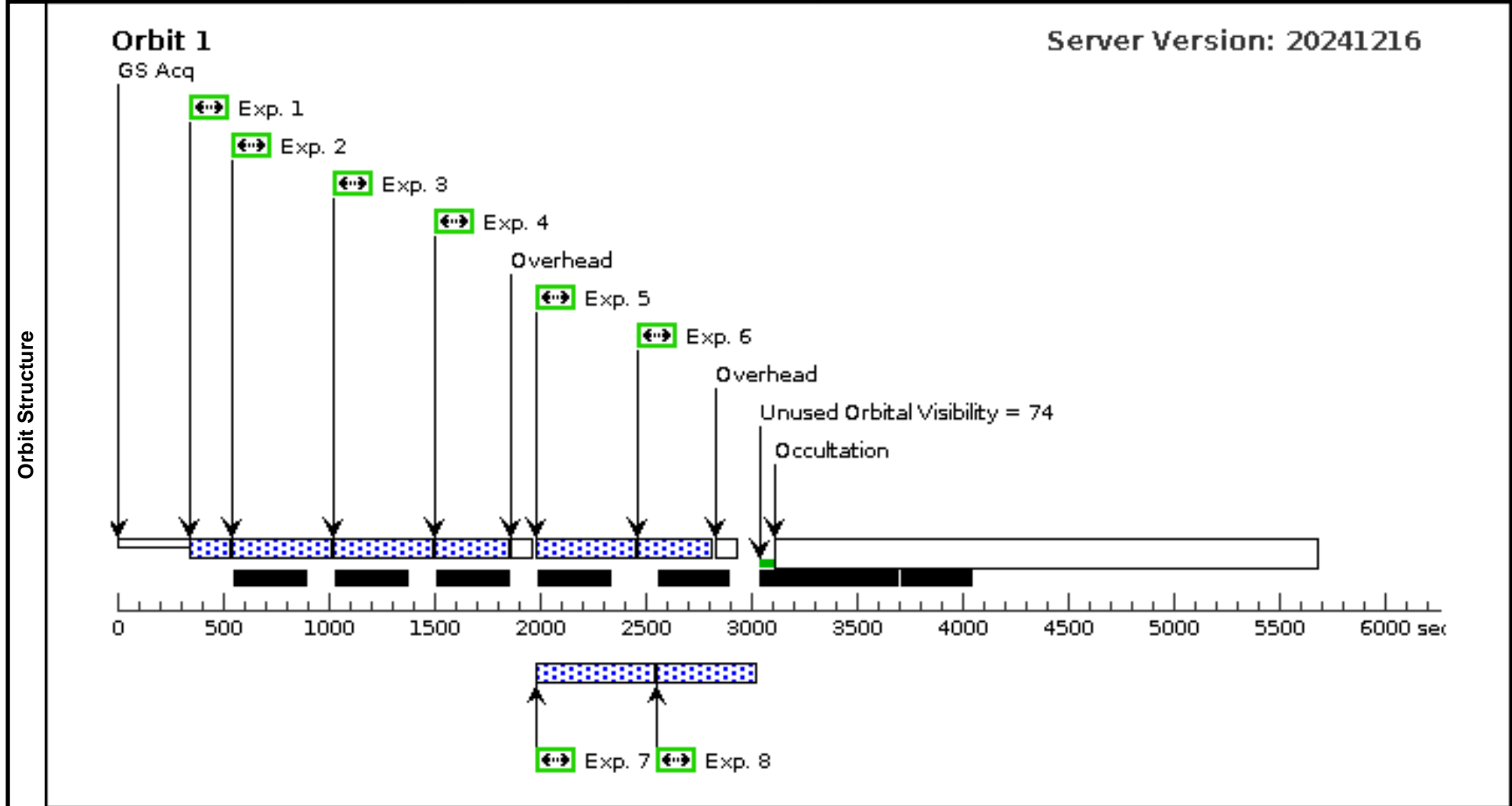
In these observations, no dithers are used, as we are attempting to measure the stability of the pointing control system, and dithers may introduce confounding errors.

****NOTE****: All observations must use the same guide star, and use just a single FGS (FGS1 is ideal) for guiding

Proposal 17893 - Visit 01 - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

Mon Feb 24 20:00:17 GMT 2025

Visit	Proposal 17893, Visit 01, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 53D TO 75 D; BEFORE 01-JAN-2026:00:00:00									
	(Visit 01) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	IC1848-OFFSET	RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000		V=6.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[OPEN CLUSTER]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 01	35 Secs (35 Secs) [==>]	[1]
	2	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 01	350 Secs (350 Secs) [==>]	[1]
	3	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 01	350 Secs (350 Secs) [==>]	[1]
	4	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 01	350 Secs (350 Secs) [==>]	[1]
	5	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 01 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 01	350 Secs (350 Secs) [==>]	[1]
	6	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 01 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 01	350 Secs (350 Secs) [==>]	[1]
	7	ANY		ACS/WFC, ACCUM, WFC	F606W			Sequence 1-8 Non-Int in Visit 01 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 01	350 Secs (350 Secs) [==>]	[1]
	8	ANY		ACS/WFC, ACCUM, WFC	F606W			Sequence 1-8 Non-Int in Visit 01 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 01	350 Secs (350 Secs) [==>]	[1]



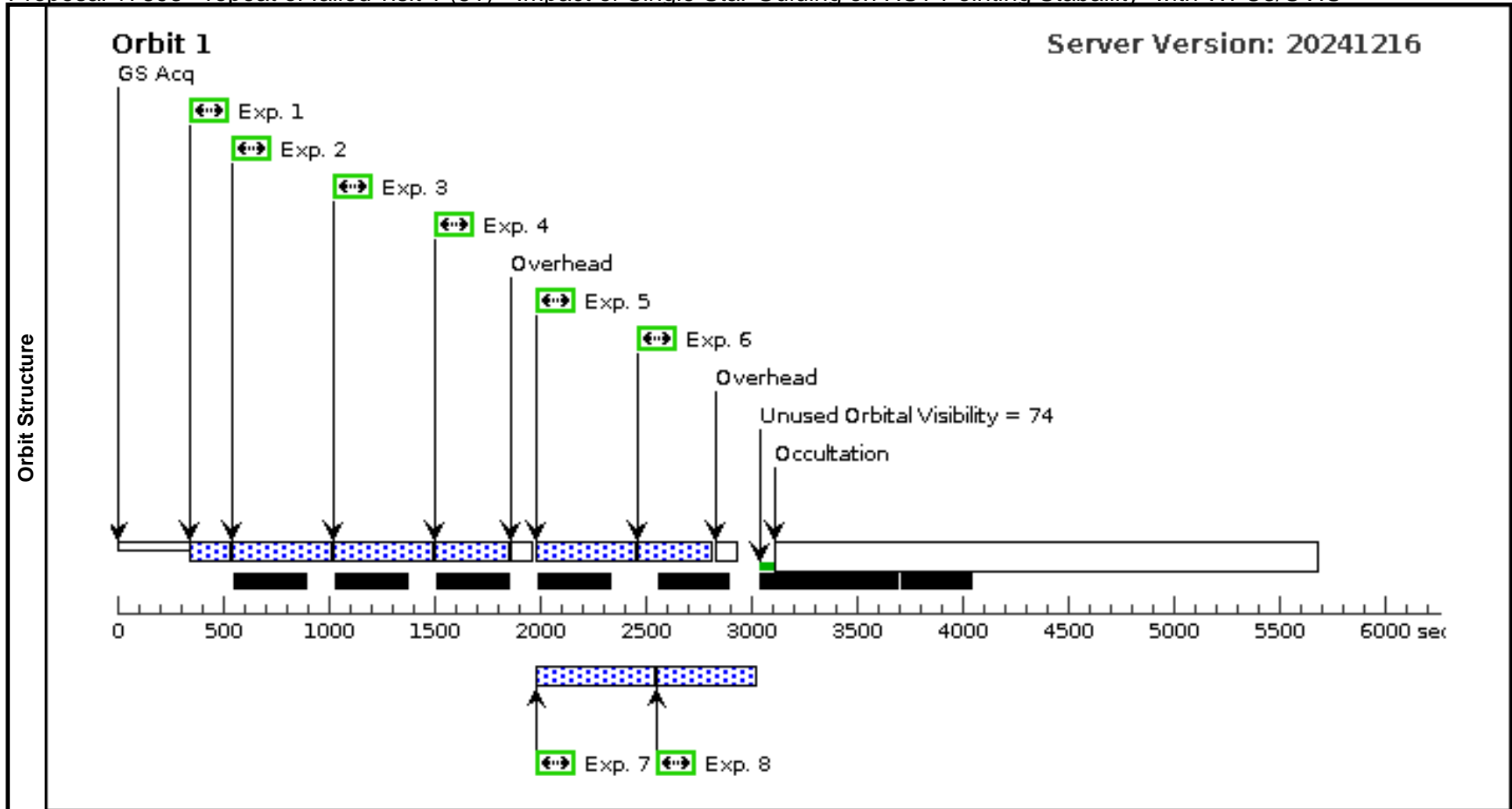
Proposal 17893 - repeat of failed visit 1 (51) - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

Mon Feb 24 20:00:17 GMT 2025

Visit	<p>Proposal 17893, repeat of failed visit 1 (51)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: BEFORE 31-MAY-2025:00:00:00</p>																
Diagnostics	(repeat of failed visit 1 (51)) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME																
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>IC1848-OFFSET</td> <td>RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000</td> <td></td> <td>V=6.5</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> <i>Category=STELLAR CLUSTER</i> <i>Description=[OPEN CLUSTER]</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	IC1848-OFFSET	RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000		V=6.5	Reference Frame: ICRS				
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous												
(1)	IC1848-OFFSET	RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000		V=6.5	Reference Frame: ICRS												

Proposal 17893 - repeat of failed visit 1 (51) - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

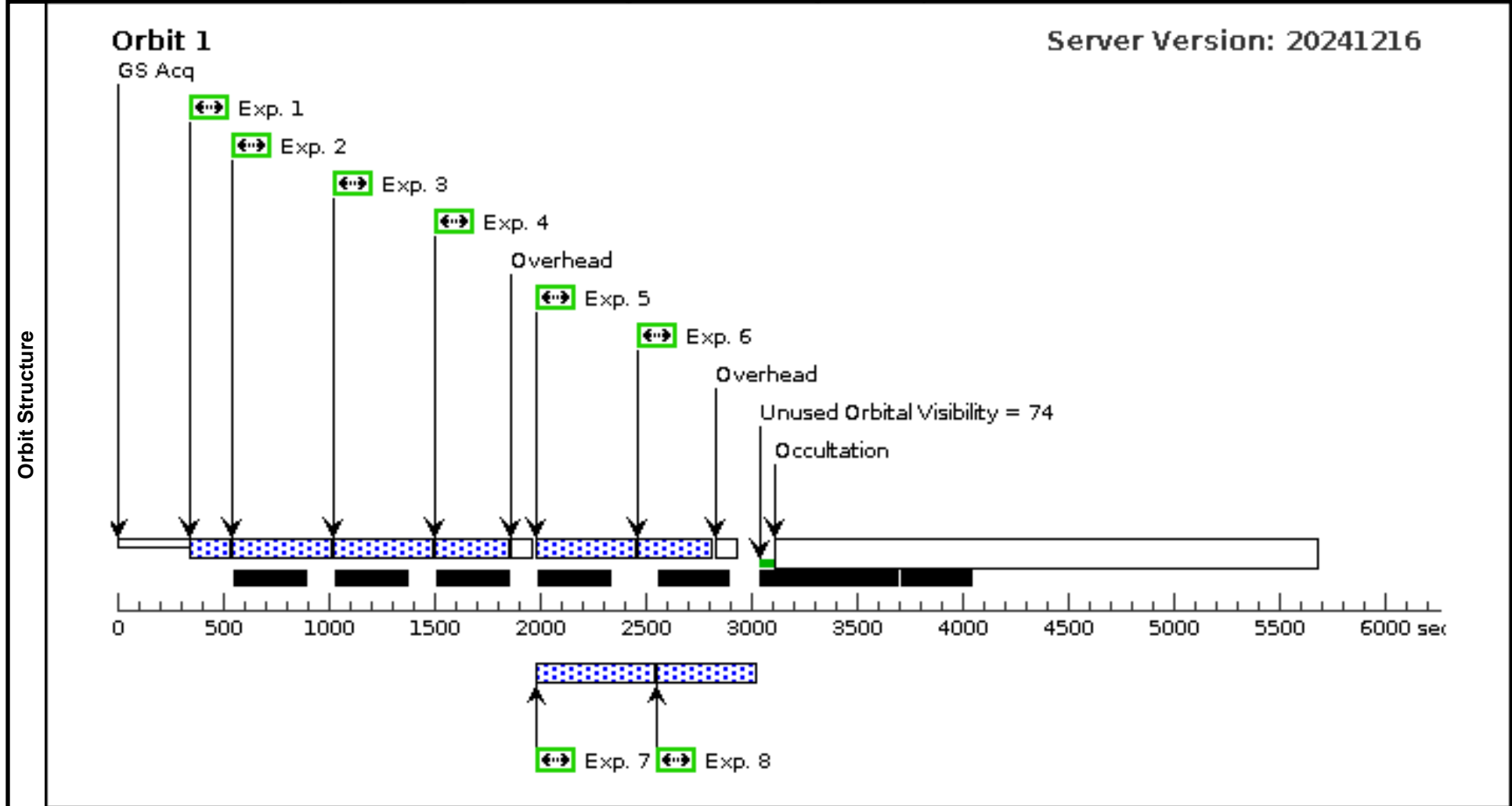
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21	Sequence 1-8 Non-Int in repeat of failed visit 1 (51)	35 Secs (35 Secs)	[==>]	[1]	
	2	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21	Sequence 1-8 Non-Int in repeat of failed visit 1 (51)	350 Secs (350 Secs)	[==>]	[1]	
	3	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21	Sequence 1-8 Non-Int in repeat of failed visit 1 (51)	350 Secs (350 Secs)	[==>]	[1]	
	4	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21	Sequence 1-8 Non-Int in repeat of failed visit 1 (51)	350 Secs (350 Secs)	[==>]	[1]	
	5	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21	Sequence 1-8 Non-Int in repeat of failed visit 1 (51) Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in repeat of failed visit 1 (51)	350 Secs (350 Secs)	[==>]	[1]	
	6	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21	Sequence 1-8 Non-Int in repeat of failed visit 1 (51) Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in repeat of failed visit 1 (51)	350 Secs (350 Secs)	[==>]	[1]	
	7	ANY	ACS/WFC, ACCUM, WFC	F606W	Sequence 1-8 Non-Int in repeat of failed visit 1 (51) Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in repeat of failed visit 1 (51)	350 Secs (350 Secs)	[==>]	[1]		
	8	ANY	ACS/WFC, ACCUM, WFC	F606W	Sequence 1-8 Non-Int in repeat of failed visit 1 (51) Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in repeat of failed visit 1 (51)	350 Secs (350 Secs)	[==>]	[1]		



Proposal 17893 - Visit 02 - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

Mon Feb 24 20:00:17 GMT 2025

Visit	Proposal 17893, Visit 02, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 53D TO 75 D; AFTER 01 BY 1 D TO 3 D; BEFORE 01-JAN-2026:00:00:00									
	(Visit 02) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	IC1848-OFFSET	RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000		V=6.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[OPEN CLUSTER]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 02	35 Secs (35 Secs) [==>]	[1]
	2	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 02	350 Secs (350 Secs) [==>]	[1]
	3	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 02	350 Secs (350 Secs) [==>]	[1]
	4	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 02	350 Secs (350 Secs) [==>]	[1]
	5	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 02 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 02	350 Secs (350 Secs) [==>]	[1]
	6	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 02 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 02	350 Secs (350 Secs) [==>]	[1]
	7	ANY		ACS/WFC, ACCUM, WFC	F606W			Sequence 1-8 Non-Int in Visit 02 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 02	350 Secs (350 Secs) [==>]	[1]
	8	ANY		ACS/WFC, ACCUM, WFC	F606W			Sequence 1-8 Non-Int in Visit 02 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 02	350 Secs (350 Secs) [==>]	[1]

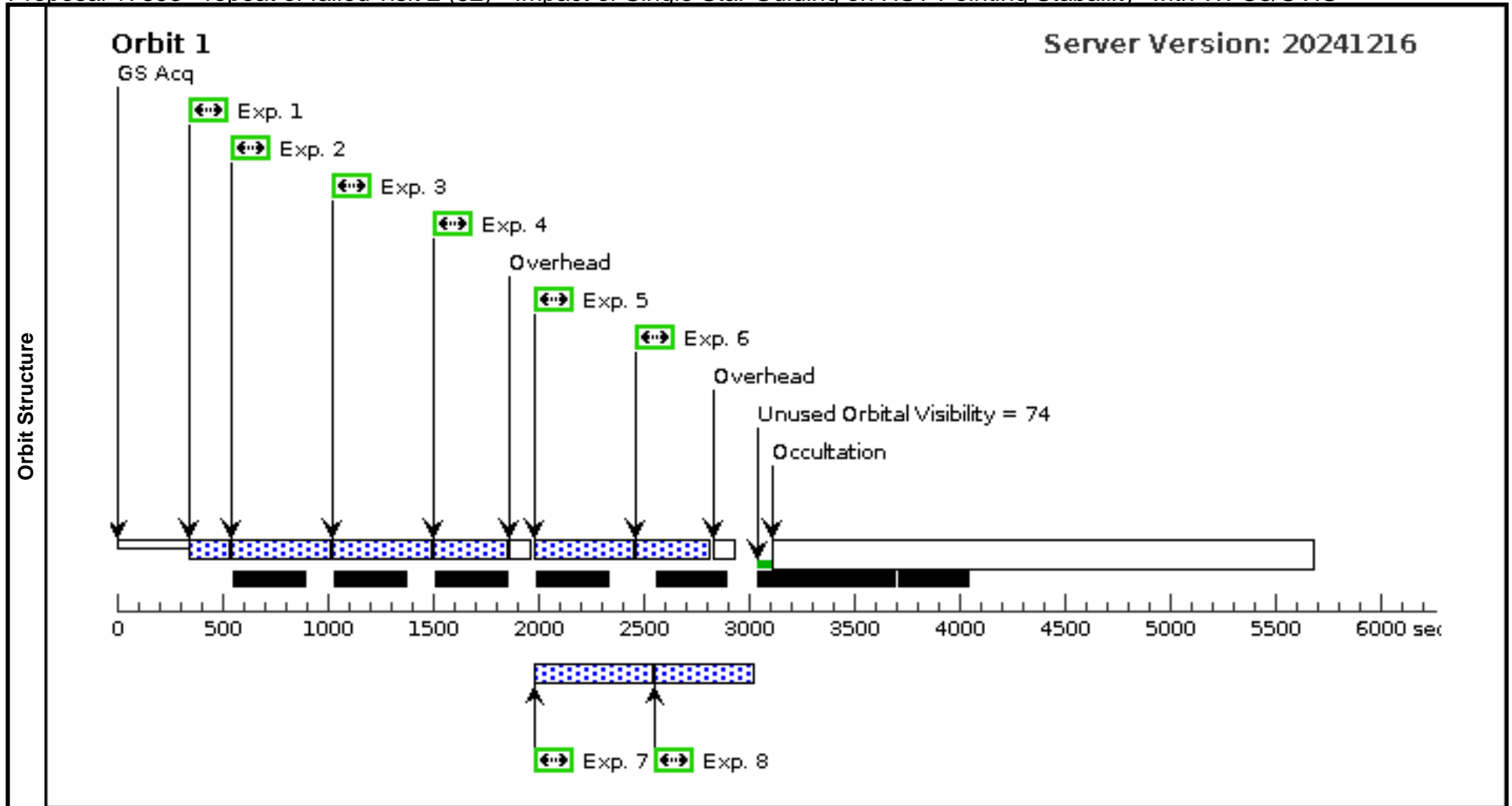


Proposal 17893 - repeat of failed visit 2 (52) - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

Visit	Proposal 17893, repeat of failed visit 2 (52) Mon Feb 24 20:00:17 GMT 2025 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: BEFORE 31-MAY-2025:00:00:00					
	(repeat of failed visit 2 (52)) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	IC1848-OFFSET	RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000		V=6.5	Reference Frame: ICRS
Comments: Category=STELLAR CLUSTER Description=[OPEN CLUSTER]						

Proposal 17893 - repeat of failed visit 2 (52) - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

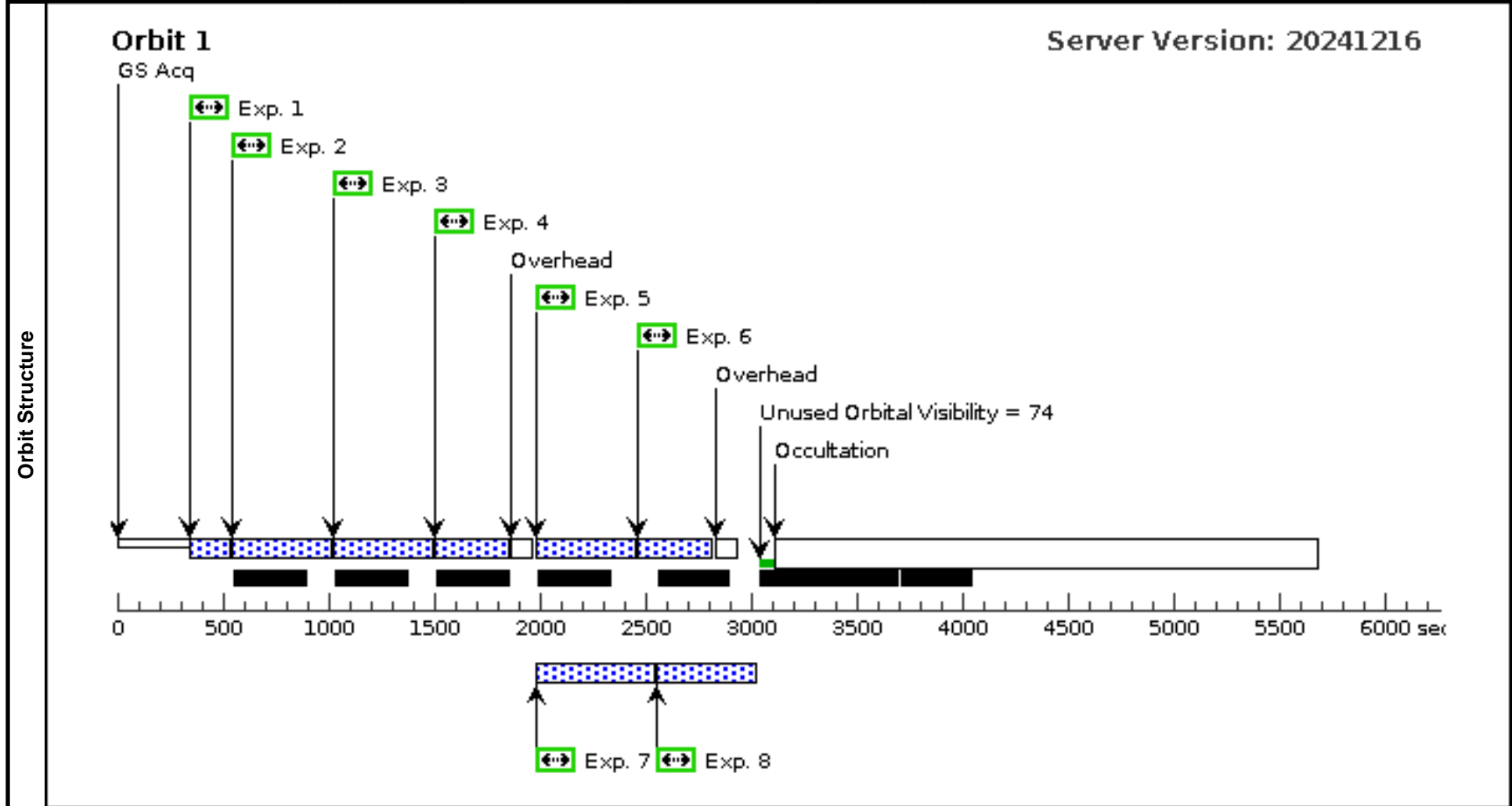
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in repeat of failed visit 2 (52)	35 Secs (35 Secs) [==>]	[1]
	2	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in repeat of failed visit 2 (52)	350 Secs (350 Secs) [==>]	[1]
	3	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in repeat of failed visit 2 (52)	350 Secs (350 Secs) [==>]	[1]
	4	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in repeat of failed visit 2 (52)	350 Secs (350 Secs) [==>]	[1]
	5	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in repeat of failed visit 2 (52) Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in repeat of failed visit 2 (52)	350 Secs (350 Secs) [==>]	[1]
	6	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in repeat of failed visit 2 (52) Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in repeat of failed visit 2 (52)	350 Secs (350 Secs) [==>]	[1]
	7	ANY	ACS/WFC, ACCUM, WFC	F606W				Sequence 1-8 Non-Int in repeat of failed visit 2 (52) Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in repeat of failed visit 2 (52)	350 Secs (350 Secs) [==>]	[1]
	8	ANY	ACS/WFC, ACCUM, WFC	F606W				Sequence 1-8 Non-Int in repeat of failed visit 2 (52) Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in repeat of failed visit 2 (52)	350 Secs (350 Secs) [==>]	[1]



Proposal 17893 - Visit 03 - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

Mon Feb 24 20:00:17 GMT 2025

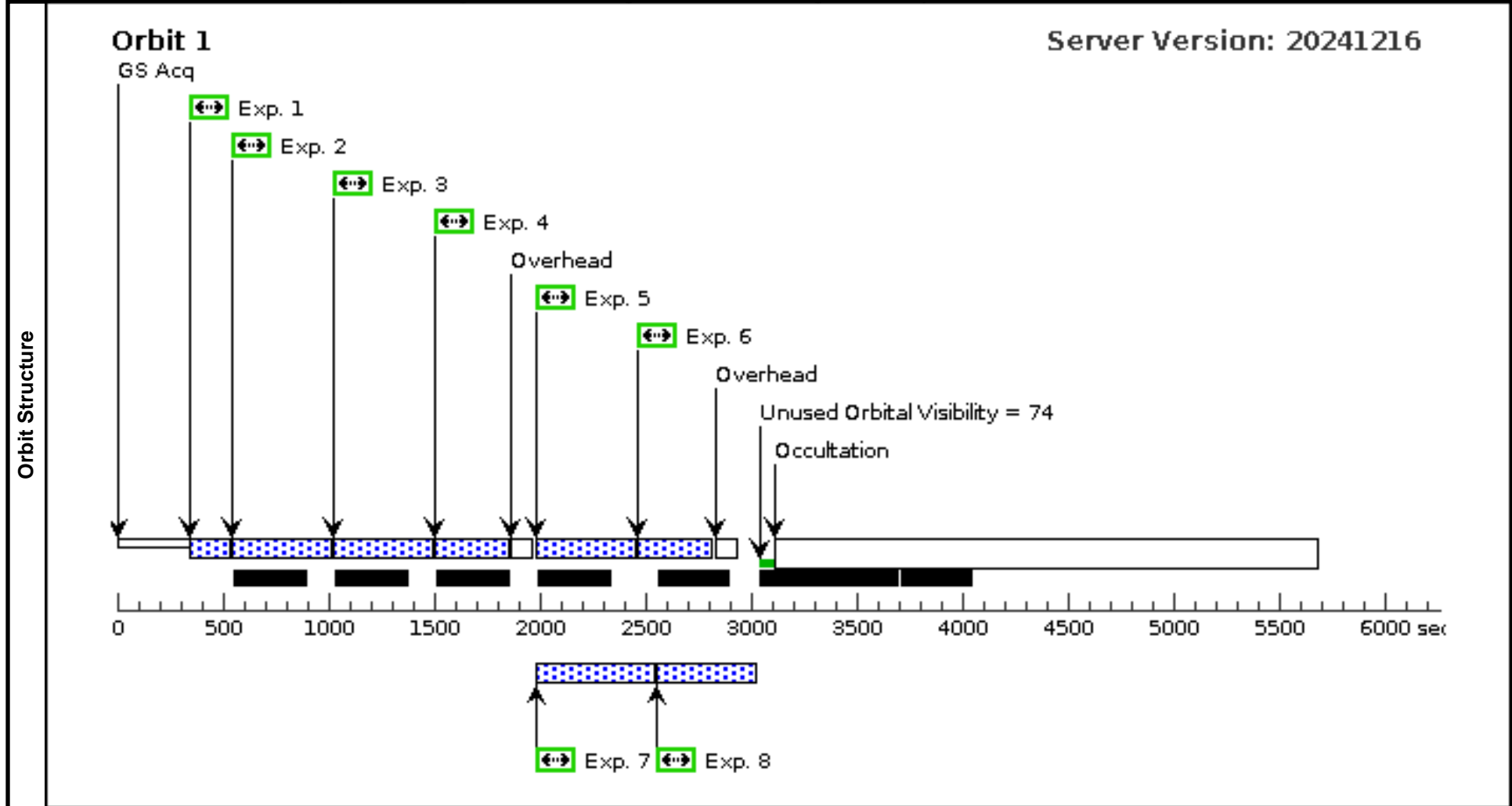
Visit	Proposal 17893, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 53D TO 75 D; AFTER 02 BY 1 D TO 3 D; BEFORE 01-JAN-2026:00:00:00									
	(Visit 03) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	IC1848-OFFSET	RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000		V=6.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[OPEN CLUSTER]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 03	35 Secs (35 Secs) [==>]	[1]
	2	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 03	350 Secs (350 Secs) [==>]	[1]
	3	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 03	350 Secs (350 Secs) [==>]	[1]
	4	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 03	350 Secs (350 Secs) [==>]	[1]
	5	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 03 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 03	350 Secs (350 Secs) [==>]	[1]
	6	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 03 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 03	350 Secs (350 Secs) [==>]	[1]
	7	ANY		ACS/WFC, ACCUM, WFC	F606W			Sequence 1-8 Non-Int in Visit 03 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 03	350 Secs (350 Secs) [==>]	[1]
	8	ANY		ACS/WFC, ACCUM, WFC	F606W			Sequence 1-8 Non-Int in Visit 03 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 03	350 Secs (350 Secs) [==>]	[1]



Proposal 17893 - Visit 04 - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

Mon Feb 24 20:00:17 GMT 2025

Visit	Proposal 17893, Visit 04, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 53D TO 75 D; AFTER 03 BY 1 D TO 3 D; BEFORE 01-JAN-2026:00:00:00									
	(Visit 04) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	IC1848-OFFSET	RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000		V=6.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[OPEN CLUSTER]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 04	35 Secs (35 Secs) [==>]	[1]
	2	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 04	350 Secs (350 Secs) [==>]	[1]
	3	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 04	350 Secs (350 Secs) [==>]	[1]
	4	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 04	350 Secs (350 Secs) [==>]	[1]
	5	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 04 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 04	350 Secs (350 Secs) [==>]	[1]
	6	(1) IC1848-OFFSET		WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21		Sequence 1-8 Non-Int in Visit 04 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 04	350 Secs (350 Secs) [==>]	[1]
	7	ANY		ACS/WFC, ACCUM, WFC	F606W			Sequence 1-8 Non-Int in Visit 04 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 04	350 Secs (350 Secs) [==>]	[1]
	8	ANY		ACS/WFC, ACCUM, WFC	F606W			Sequence 1-8 Non-Int in Visit 04 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 04	350 Secs (350 Secs) [==>]	[1]



Proposal 17893 - Visit 05 - Impact of Single Star Guiding on HST Pointing Stability with WFC3/UVIS

Mon Feb 24 20:00:17 GMT 2025

Visit	Proposal 17893, Visit 05, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 53D TO 75 D; AFTER 04 BY 1 D TO 3 D; BEFORE 01-JAN-2026:00:00:00									
	(Visit 05) Warning (Orbit Planner): PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	IC1848-OFFSET	RA: 02 51 9.2000 (42.7883333d) Dec: +60 20 14.45 (60.33735d) Equinox: J2000		V=6.5	Reference Frame: ICRS				
Comments: Category=STELLAR CLUSTER Description=[OPEN CLUSTER]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in Visit 05	35 Secs (35 Secs) [==>]	[1]
	2	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in Visit 05	350 Secs (350 Secs) [==>]	[1]
	3	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in Visit 05	350 Secs (350 Secs) [==>]	[1]
	4	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in Visit 05	350 Secs (350 Secs) [==>]	[1]
	5	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in Visit 05 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 05	350 Secs (350 Secs) [==>]	[1]
	6	(1) IC1848-OFFSET	WFC3/UVIS, ACCUM, UVIS	F410M	FLASH=21			Sequence 1-8 Non-Int in Visit 05 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 05	350 Secs (350 Secs) [==>]	[1]
	7	ANY	ACS/WFC, ACCUM, WFC	F606W				Sequence 1-8 Non-Int in Visit 05 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 05	350 Secs (350 Secs) [==>]	[1]
	8	ANY	ACS/WFC, ACCUM, WFC	F606W				Sequence 1-8 Non-Int in Visit 05 Prime + Parallel Group 5-8 in Sequence 1-8 Non-Int in Visit 05	350 Secs (350 Secs) [==>]	[1]

