



17685 - HST Cycle 32 Focus & Optical Monitor

Cycle: 32, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Linda L. Dressel (PI) (Contact)	Space Telescope Science Institute
Isabel Rivera (CoI) (CoPI) (Contact)	Space Telescope Science Institute
Dr. Jay Anderson (CoI) (Contact)	Space Telescope Science Institute
Dr. Mitchell Revalski (CoI) (Contact)	Space Telescope Science Institute
Varun Bajaj (CoI)	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) NGC-188-DENSE ANY	ACS/WFC WFC3/UVIS	1	15-Apr-2025 10:00:12.0	yes
51	(1) NGC-188-DENSE ANY	ACS/WFC WFC3/UVIS	1	15-Apr-2025 10:00:13.0	yes
02	(1) NGC-188-DENSE ANY	ACS/WFC WFC3/UVIS	1	15-Apr-2025 10:00:14.0	yes
03	(1) NGC-188-DENSE ANY	ACS/WFC WFC3/UVIS	1	15-Apr-2025 10:00:15.0	yes
53	(1) NGC-188-DENSE ANY	ACS/WFC WFC3/UVIS	1	15-Apr-2025 10:00:16.0	yes
04	(1) NGC-188-DENSE ANY	ACS/WFC WFC3/UVIS	1	15-Apr-2025 10:00:17.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
05	(1) NGC-188-DENSE ANY	ACS/WFC WFC3/UVIS	1	15-Apr-2025 10:00:17.0	yes
06	(1) NGC-188-DENSE ANY	ACS/WFC WFC3/UVIS	1	15-Apr-2025 10:00:18.0	yes

8 Total Orbits Used

ABSTRACT

Utilize WFC3/UVIS and ACS/WFC in parallel to observe stellar cluster members with multiple exposures over an orbit. Phase retrieval performed on the PSF in each image will be used to measure focus, with the ability to explore apparent coma, astigmatism, and third order spherical changes in WFC3. The goals are to 1) monitor the optical telescope assembly focal length for the purposes of maintaining focus within science tolerances and 2) determine focus offsets between the imagers and identify any science instrument-specific focus behavior and dependencies.

OBSERVING DESCRIPTION

In Cycle 30, we converted the standard CAL/OTA monitor to a CAL/WFC3 monitor. This bi-monthly program uses the WFC3/UVIS filter F410M to take shallow subarray exposures of the sparse open cluster NGC188. Full frame ACS/WFC exposures in filter F502N are made in parallel. Phase retrieval (PR) is performed on the stellar images to measure the focus of each exposure in equivalent secondary mirror despace. These focus measurements are used to track the evolution of the focus over months and years and to inform whether a focus adjustment is required.

One orbit every ~2 months with WFC3/UVIS and ACS/WFC in parallel for con-focality check. The use of WFC3 subarrays allows for more exposures during the orbit.

Since deployment, the HST OTA has shrunk by ~150 microns, resulting in over 20 compensating Secondary Mirror (SM) adjustments away from the Primary Mirror to maintain good focus to the science instruments. This program provides the observations to determine when a secondary mirror adjustment is required.

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Tue Apr 15 14:00:19 GMT 2025

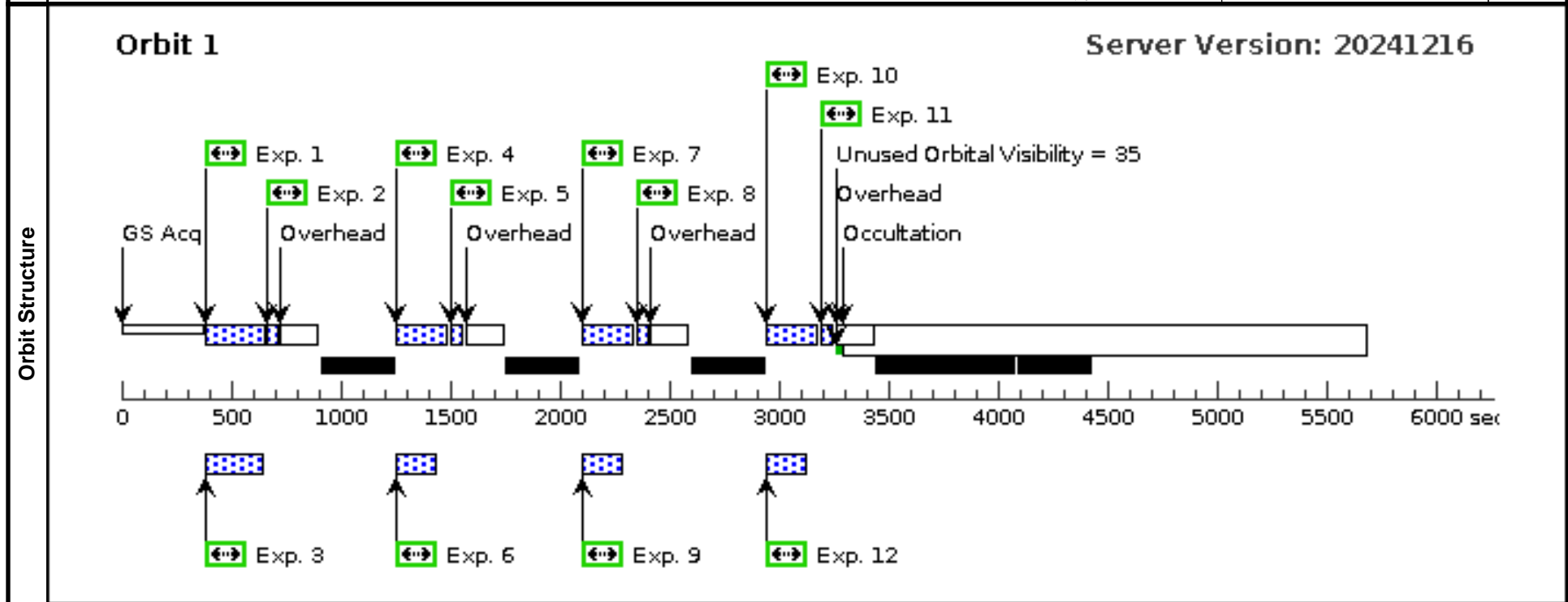
Visit	<p>Proposal 17685, Visit 01, failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: SCHED 70%; BETWEEN 21-DEC-2024:00:00:00 AND 28-DEC-2024:00:00:00</p> <p><i>Comments: WFC3/UVIS with ACS in parallel for confocality check. Using WFC3 subarray to allow more exposures during orbit.</i></p>																	
	Diagnostics	<p>(Visit 01) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 01) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 01) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 01) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Primary Exposure 1 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 01)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 2 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 01)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 4 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 01)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 5 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 01)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 7 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 01)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 8 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 01)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 10 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 01)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 11 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 01)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p>																
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>NGC-188-DENSE</td> <td>RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000</td> <td></td> <td>V=20</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: magnitude not relevant</i> <i>Category=STELLAR CLUSTER</i> <i>Description=[OPEN CLUSTER]</i> <i>Extended=NO</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20	Reference Frame: ICRS
		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)		NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20	Reference Frame: ICRS												

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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
	2	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 1	Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
	4	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
	5	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 4	Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
	6	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
	7	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
	8	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 7	Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
	9	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]

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10	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
11	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 10	Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]
12	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 01 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 01	50 Secs (50 Secs) [==>]	[1]



Proposal 17685 - Visit 51 - HST Cycle 32 Focus & Optical Monitor

Tue Apr 15 14:00:19 GMT 2025

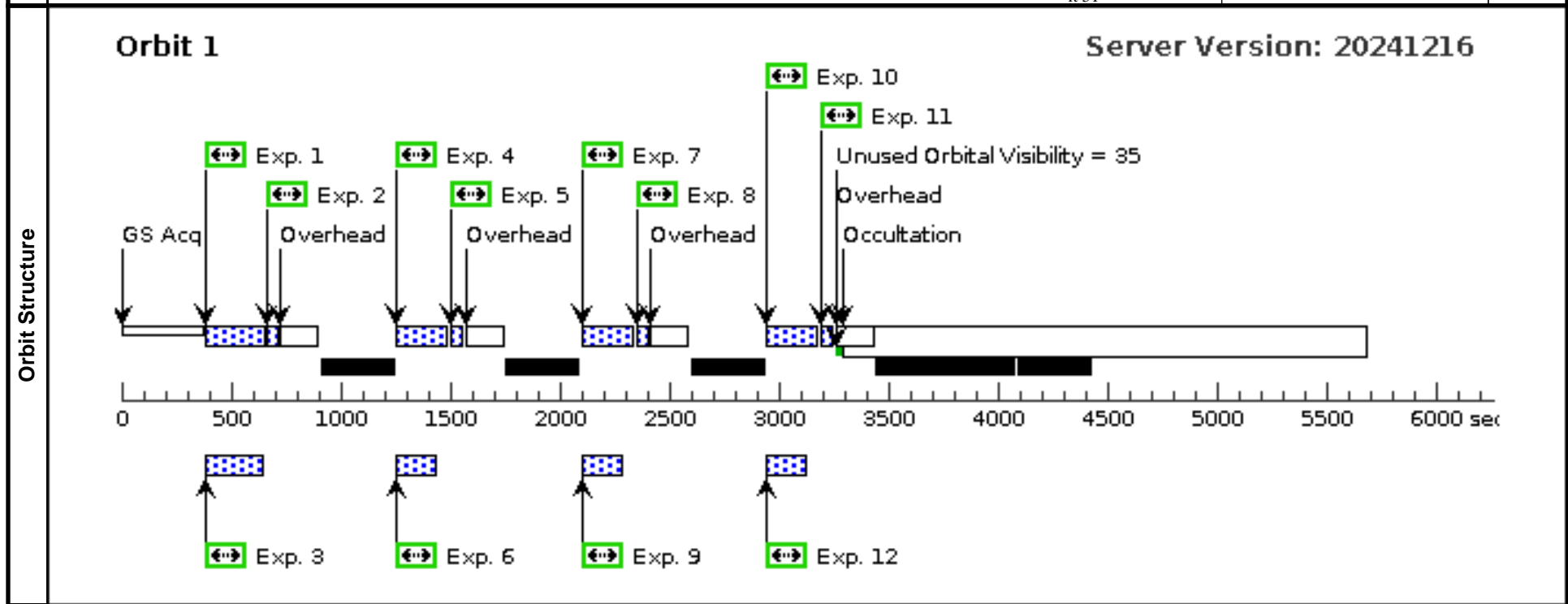
Visit	Proposal 17685, Visit 51, pi Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 70%; BETWEEN 10-AUG-2025:00:00:00 AND 13-AUG-2025:22:00:00 <i>Comments: WFC3/UVIS with ACS in parallel for confocality check. Using WFC3 subarray to allow more exposures during orbit.</i>																	
	Diagnostics	(Visit 51) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 51) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 51) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 51) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Primary Exposure 1 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 51)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 2 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 51)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 4 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 51)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 5 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 51)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 7 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 51)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 8 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 51)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 10 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 51)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 11 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 51)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser																
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		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)		NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20	Reference Frame: ICRS												
<i>Comments: magnitude not relevant</i> <i>Category=STELLAR CLUSTER</i> <i>Description=[OPEN CLUSTER]</i> <i>Extended=NO</i>																		

Proposal 17685 - Visit 51 - HST Cycle 32 Focus & Optical Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
	2	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 1	Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
	4	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
	5	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 4	Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
	6	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
	7	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
	8	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 7	Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
	9	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]

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10	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
11	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 10	Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]
12	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 51 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 51	50 Secs (50 Secs) [==>]	[1]



Proposal 17685 - Visit 02 - HST Cycle 32 Focus & Optical Monitor

Tue Apr 15 14:00:19 GMT 2025

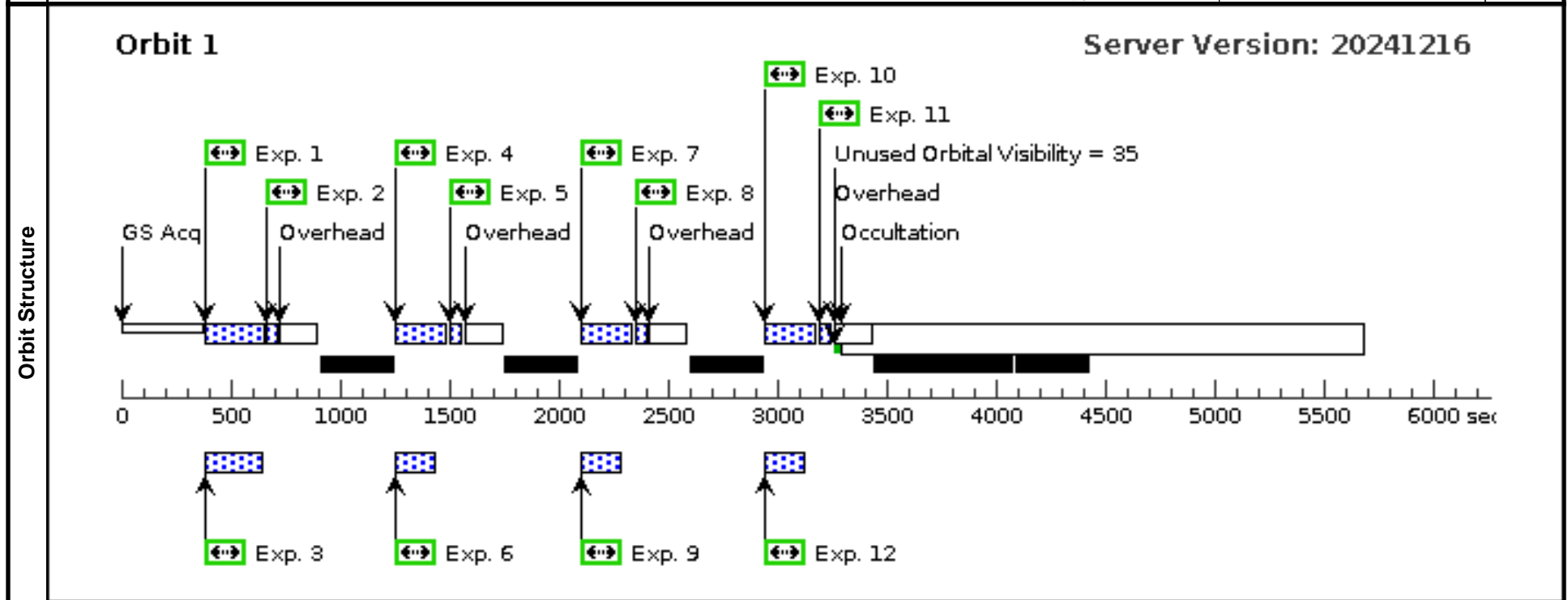
Visit	<p>Proposal 17685, Visit 02, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: SCHED 70%; BETWEEN 05-FEB-2025:00:00:00 AND 12-FEB-2025:00:00:00</p> <p><i>Comments: WFC3/UVIS with ACS in parallel for confocality check. Using WFC3 subarray to allow more exposures during orbit.</i></p>					
	Diagnostics	<p>(Visit 02) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 02) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 02) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 02) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Primary Exposure 1 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 02)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 2 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 02)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 4 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 02)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 5 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 02)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 7 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 02)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 8 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 02)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 10 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 02)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 11 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 02)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p>				
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
		(1)	NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20
<p><i>Comments: magnitude not relevant</i></p> <p><i>Category=STELLAR CLUSTER</i></p> <p><i>Description=[OPEN CLUSTER]</i></p> <p><i>Extended=NO</i></p>						
<p>Miscellaneous</p> <p>Reference Frame: ICRS</p>						

Proposal 17685 - Visit 02 - HST Cycle 32 Focus & Optical Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
	2	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 1	Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
	4	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
	5	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 4	Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
	6	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
	7	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
	8	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 7	Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
	9	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]

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10	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
11	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 10	Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]
12	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 02 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 02	50 Secs (50 Secs) [==>]	[1]



Proposal 17685 - Visit 03 - HST Cycle 32 Focus & Optical Monitor

Tue Apr 15 14:00:19 GMT 2025

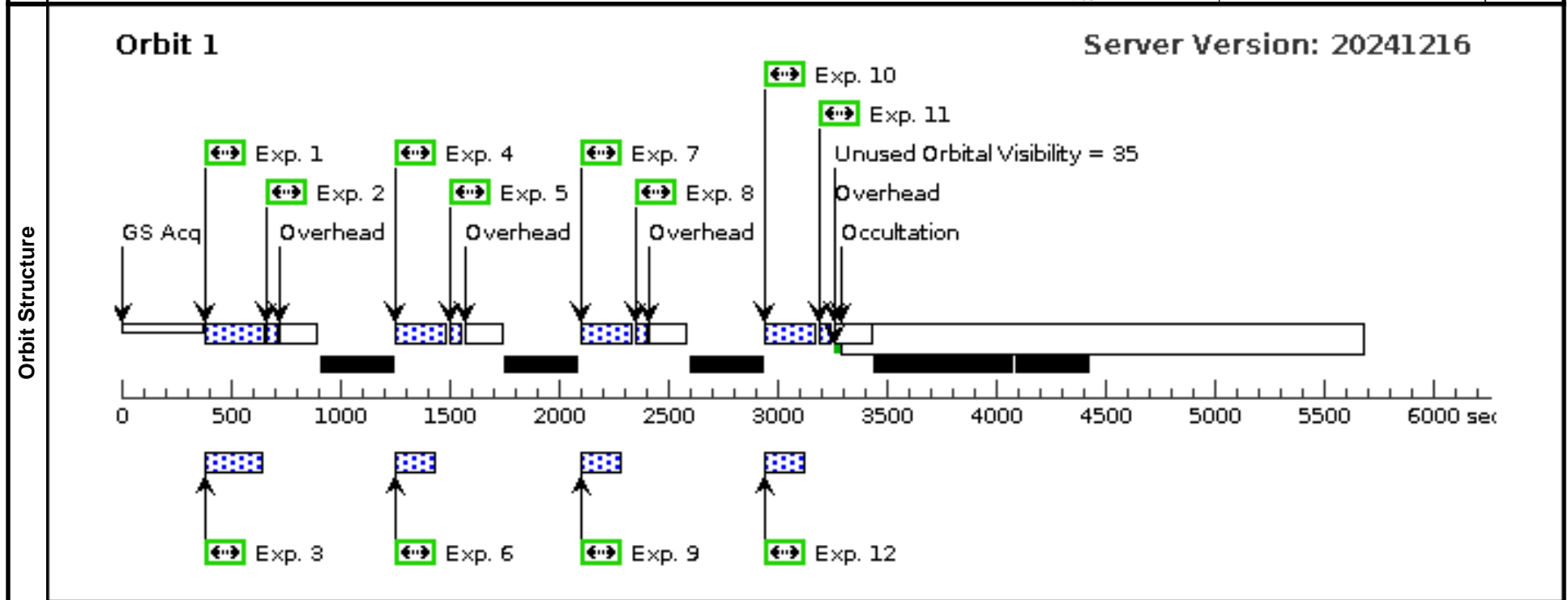
Visit	<p>Proposal 17685, Visit 03, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: SCHED 70%; BETWEEN 01-APR-2025:00:00:00 AND 06-APR-2025:00:00:00</p> <p><i>Comments: WFC3/UVIS with ACS in parallel for confocality check. Using WFC3 subarray to allow more exposures during orbit.</i></p>																	
	Diagnostics	<p>(Visit 03) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 03) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 03) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 03) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Primary Exposure 1 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 03)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 2 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 03)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 4 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 03)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 5 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 03)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 7 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 03)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 8 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 03)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 10 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 03)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 11 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 03)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p>																
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		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)		NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20	Reference Frame: ICRS												

Proposal 17685 - Visit 03 - HST Cycle 32 Focus & Optical Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
	2	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 1	Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
	4	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
	5	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 4	Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
	6	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
	7	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
	8	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 7	Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
	9	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]

Proposal 17685 - Visit 03 - HST Cycle 32 Focus & Optical Monitor

10	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
11	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 10	Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]
12	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 03 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 03	50 Secs (50 Secs) [==>]	[1]



Proposal 17685 - Visit 53 - HST Cycle 32 Focus & Optical Monitor

Tue Apr 15 14:00:19 GMT 2025

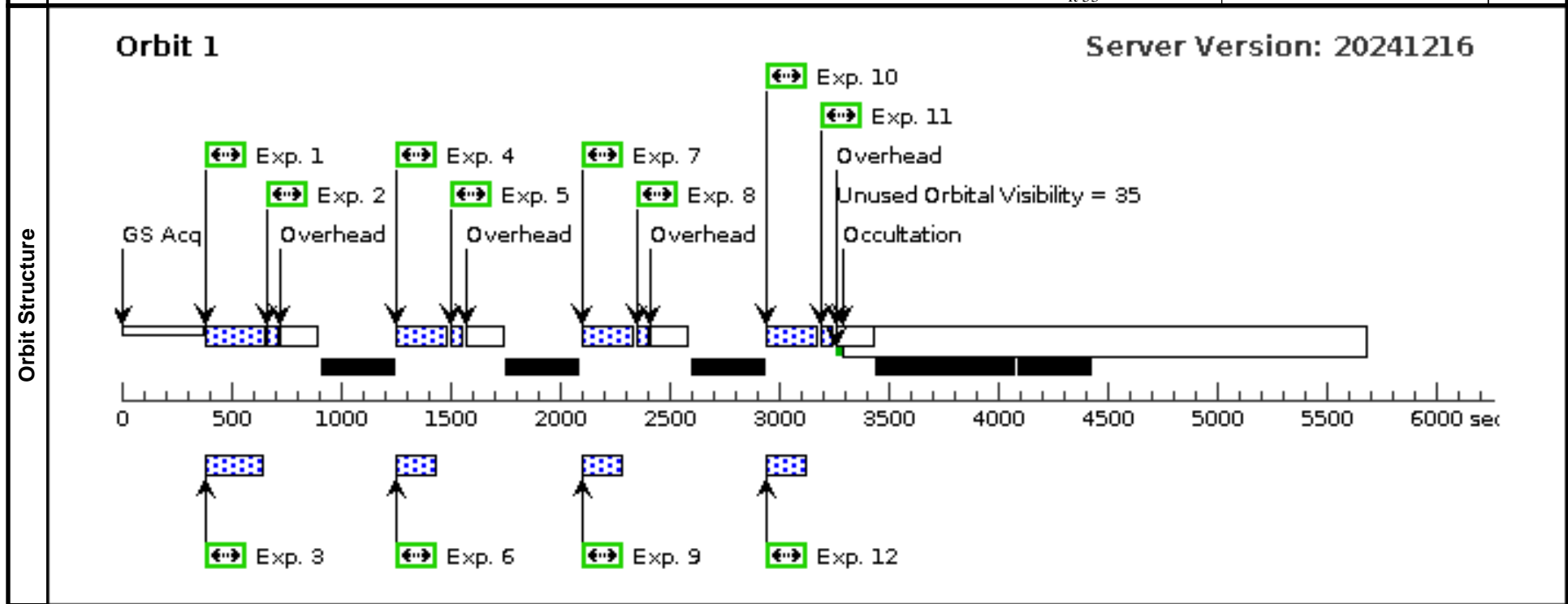
Visit	<p>Proposal 17685, Visit 53</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: SCHED 70%; BETWEEN 14-AUG-2025:02:00:00 AND 18-AUG-2025:00:00:00</p> <p><i>Comments: WFC3/UVIS with ACS in parallel for confocality check. Using WFC3 subarray to allow more exposures during orbit.</i></p>																	
	Diagnostics	<p>(Visit 53) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 53) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 53) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 53) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Primary Exposure 1 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 53)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 2 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 53)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 4 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 53)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 5 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 53)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 7 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 53)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 8 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 53)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 10 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 53)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 11 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 53)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p>																
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		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)		NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20	Reference Frame: ICRS												

Proposal 17685 - Visit 53 - HST Cycle 32 Focus & Optical Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
	2	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 1	Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
	4	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
	5	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 4	Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
	6	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
	7	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
	8	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 7	Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
	9	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]

Proposal 17685 - Visit 53 - HST Cycle 32 Focus & Optical Monitor

10	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
11	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 10	Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]
12	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 53 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 53	50 Secs (50 Secs) [==>]	[1]



Proposal 17685 - Visit 04 - HST Cycle 32 Focus & Optical Monitor

Tue Apr 15 14:00:19 GMT 2025

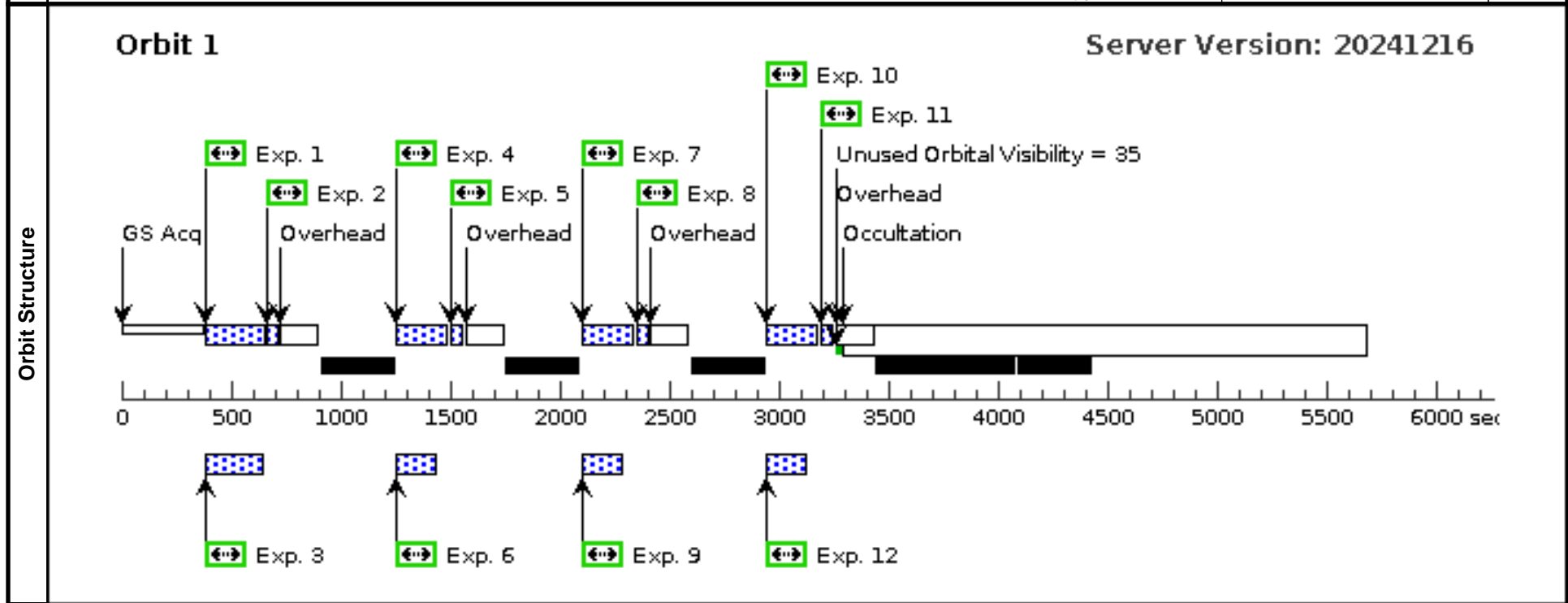
Visit	Proposal 17685, Visit 04, pi Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 70%; BETWEEN 10-MAY-2025:00:00:00 AND 15-MAY-2025:22:00:00 <i>Comments: WFC3/UVIS with ACS in parallel for confocality check. Using WFC3 subarray to allow more exposures during orbit.</i>																	
	Diagnostics	(Visit 04) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 04) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 04) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 04) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Primary Exposure 1 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 04)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 2 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 04)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 4 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 04)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 5 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 04)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 7 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 04)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 8 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 04)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 10 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 04)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Primary Exposure 11 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 04)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser																
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		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)		NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20	Reference Frame: ICRS												
<i>Comments: magnitude not relevant</i> <i>Category=STELLAR CLUSTER</i> <i>Description=[OPEN CLUSTER]</i> <i>Extended=NO</i>																		

Proposal 17685 - Visit 04 - HST Cycle 32 Focus & Optical Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
	2	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 1	Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
	4	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
	5	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 4	Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
	6	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
	7	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
	8	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 7	Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
	9	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]

Proposal 17685 - Visit 04 - HST Cycle 32 Focus & Optical Monitor

10	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
11	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 10	Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]
12	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 04 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 04	50 Secs (50 Secs) [==>]	[1]



Proposal 17685 - Visit 05 - HST Cycle 32 Focus & Optical Monitor

Tue Apr 15 14:00:19 GMT 2025

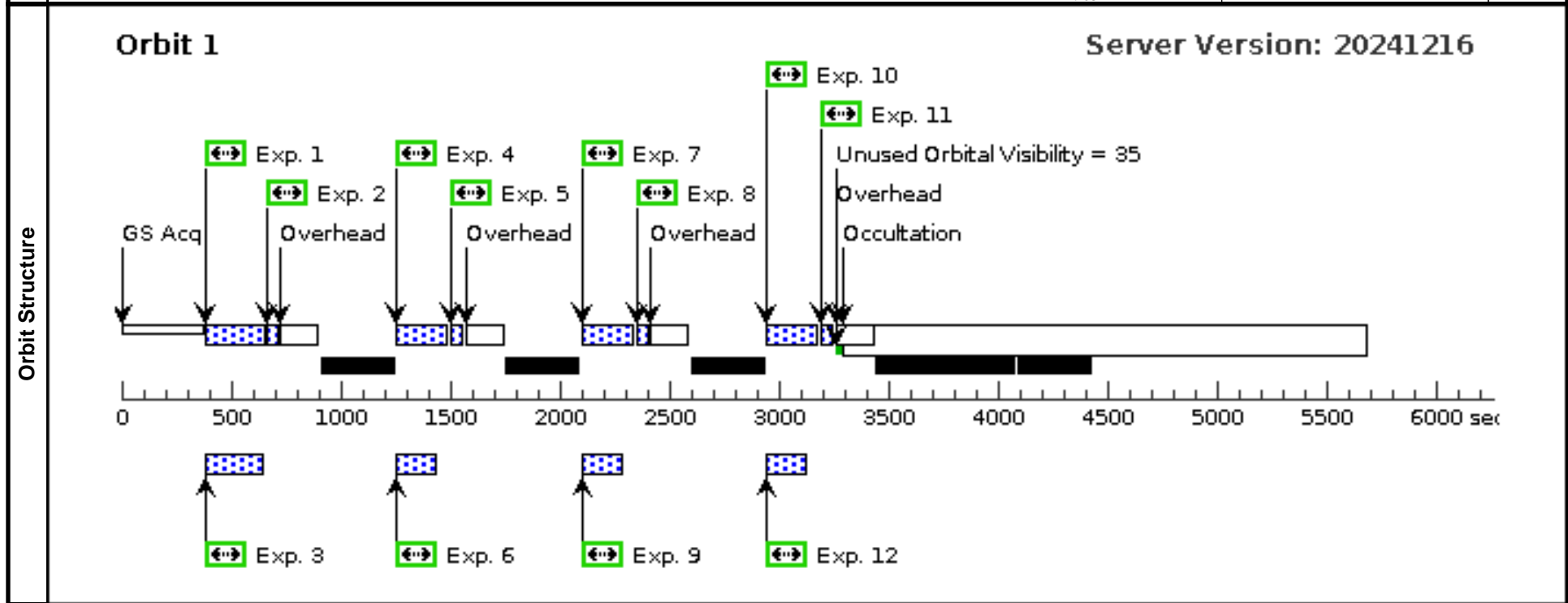
Visit	<p>Proposal 17685, Visit 05, pi</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: SCHED 70%; BETWEEN 16-MAY-2025:02:00:00 AND 21-MAY-2025:00:00:00</p> <p><i>Comments: WFC3/UVIS with ACS in parallel for confocality check. Using WFC3 subarray to allow more exposures during orbit.</i></p>					
	Diagnostics	<p>(Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Primary Exposure 1 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 05)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 2 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 05)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 4 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 05)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 5 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 05)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 7 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 05)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 8 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 05)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 10 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 05)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 11 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 05)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p>				
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
		(1)	NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20
<p><i>Comments: magnitude not relevant</i></p> <p><i>Category=STELLAR CLUSTER</i></p> <p><i>Description=[OPEN CLUSTER]</i></p> <p><i>Extended=NO</i></p>						
<p>Miscellaneous</p> <p>Reference Frame: ICRS</p>						

Proposal 17685 - Visit 05 - HST Cycle 32 Focus & Optical Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
	2	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 1	Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
	4	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
	5	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 4	Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
	6	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
	7	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
	8	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 7	Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
	9	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]

Proposal 17685 - Visit 05 - HST Cycle 32 Focus & Optical Monitor

10	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
11	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 10	Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]
12	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 05 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 05	50 Secs (50 Secs) [==>]	[1]



Proposal 17685 - Visit 06 - HST Cycle 32 Focus & Optical Monitor

Tue Apr 15 14:00:19 GMT 2025

Visit	<p>Proposal 17685, Visit 06, pi</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS, ACS/WFC</p> <p>Special Requirements: SCHED 70%; BETWEEN 27-SEP-2025:00:00:00 AND 04-OCT-2025:00:00:00</p> <p><i>Comments: WFC3/UVIS with ACS in parallel for confocality check. Using WFC3 subarray to allow more exposures during orbit.</i></p>																	
	Diagnostics	<p>(Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Primary Exposure 1 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 06)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 2 (Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 06)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 4 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 06)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 5 (Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 06)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 7 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 06)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 8 (Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 06)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 10 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 06)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p> <p>(Primary Exposure 11 (Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 06)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser</p>																
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>NGC-188-DENSE</td> <td>RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000</td> <td></td> <td>V=20</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: magnitude not relevant</i> <i>Category=STELLAR CLUSTER</i> <i>Description=[OPEN CLUSTER]</i> <i>Extended=NO</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20	Reference Frame: ICRS
		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(1)		NGC-188-DENSE	RA: 00 47 26.0000 (11.8583333d) Dec: +85 15 15.00 (85.25417d) Equinox: J2000		V=20	Reference Frame: ICRS												

Proposal 17685 - Visit 06 - HST Cycle 32 Focus & Optical Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
	2	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 1	Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
	3	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 1-3 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
	4	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
	5	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 4	Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
	6	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 4-6 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
	7	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
	8	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 7	Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
	9	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 7-9 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]

Proposal 17685 - Visit 06 - HST Cycle 32 Focus & Optical Monitor

10	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS1	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	POS TARG 0.0,-41.0	Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
11	(1) NGC-188-DENSE	WFC3/UVIS, ACCUM, UVIS2	F410M	CR-SPLIT=NO; SIZEAXIS1=2048; SIZEAXIS2=2048; FLASH=40	SAME POS AS 10	Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]
12	ANY	ACS/WFC, ACCUM, WFC	F502N			Sequence 1-12 Non-Int in Visit 06 Prime + Parallel Group 10-12 in Sequence 1-12 Non-Int in Visit 06	50 Secs (50 Secs) [==>]	[1]

