

17126 - An HST Treasury of Stellar Feedback in Action: Sizes, Structures, and Power Sources for 50,000 Extragalactic HII Regions

Cycle: 30, Proposal Category: GO

(Treasury)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Proposal 17126 (STScI Edit Number: 1, Created: Tuesday, June 18, 2024 at 2:00:31 PM Eastern Standard Time) - Overview

Name	Institution
Dr. Jeong-Gyu Kim (CoI)	Princeton University
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Dr. Elizabeth Jayne Watkins (CoI) (ESA Member)	Heidelberg Institute for Theoretical Studies
Dr. Brad C. Whitmore (CoI)	Space Telescope Science Institute
Dr. Thomas Williams (CoI) (ESA Member)	University of Oxford

VISITS

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
01	(1) IC-5332	WFC3/UVIS	1	18-Jun-2024 15:00:22.0	yes
02	(2) NGC-628	WFC3/UVIS	1	18-Jun-2024 15:00:22.0	yes
03	(3) NGC-1087	WFC3/UVIS	1	18-Jun-2024 15:00:23.0	yes
04	(4) NGC-1365-N	WFC3/UVIS	1	18-Jun-2024 15:00:23.0	yes
05	(5) NGC-1385	WFC3/UVIS	1	18-Jun-2024 15:00:24.0	yes
06	(6) NGC-1512	WFC3/UVIS	1	18-Jun-2024 15:00:24.0	yes
21	(20) NGC-1512-2	WFC3/UVIS	1	18-Jun-2024 15:00:24.0	yes
07	(7) NGC-1566	WFC3/UVIS	1	18-Jun-2024 15:00:25.0	yes
08	(8) NGC-2835-N	WFC3/UVIS	1	18-Jun-2024 15:00:25.0	yes

Proposal 17126 (STScI Edit Number: 1, Created: Tuesday, June 18, 2024 at 2:00:31 PM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
09	(9) NGC-2835-S	WFC3/UVIS	1	18-Jun-2024 15:00:26.0	yes
10	(10) NGC-3351	WFC3/UVIS	1	18-Jun-2024 15:00:26.0	yes
11	(11) NGC-3627	WFC3/UVIS	1	18-Jun-2024 15:00:27.0	yes
12	(12) NGC-4254-E	WFC3/UVIS	1	18-Jun-2024 15:00:27.0	yes
13	(13) NGC-4254-W	WFC3/UVIS	1	18-Jun-2024 15:00:28.0	yes
14	(14) NGC-4303	WFC3/UVIS	1	18-Jun-2024 15:00:28.0	yes
15	(15) NGC-4321	WFC3/UVIS	1	18-Jun-2024 15:00:28.0	yes
16	(16) NGC-4535	WFC3/UVIS	1	18-Jun-2024 15:00:29.0	yes
20	(16) NGC-4535	WFC3/UVIS	1	18-Jun-2024 15:00:29.0	yes
17	(17) NGC-5068-N	WFC3/UVIS	1	18-Jun-2024 15:00:30.0	yes
18	(18) NGC-5068-S	WFC3/UVIS	1	18-Jun-2024 15:00:31.0	yes
19	(19) NGC-7496	WFC3/UVIS	1	18-Jun-2024 15:00:31.0	yes

21 Total Orbits Used

ABSTRACT

We propose a Treasury Halpha (F657N) imaging survey that will measure the sizes (radii) and structures (e.g. shell fraction) for >50,000 nebulae, including HII regions, supernovae, and planetary nebulae across the full range of galactic environments in 19 nearby main-sequence galaxies. These targets form a representative sample of massive, star-forming galaxies, and these proposed observations, only possible with the HST, will complete a rich dataset of i) VLT/MUSE IFU, providing spectroscopic information for all identified nebulae; ii) multi-filter broad-band HST imaging of >40,000 clusters, iii) ALMA spectral line mapping of >20,000 molecular clouds; and iv) >100 hours of upcoming near- and mid-IR imaging from JWST probing dust emission and embedded star formation. Together these maps and higher-level data products are crucial for answering: (1) What is the dominant mechanism for pre-SNe stellar feedback? (2) On what timescales do young clusters clear their birth-clouds? (3) What processes are responsible for cloud destruction? (4) What role does escaping radiation play in larger-scale galactic evolution? Taken together, the products obtained as part of this Treasury program will provide the definitive high resolution view of HII regions in nearby galaxies, essential to answer questions fundamental to our understanding of star formation and stellar feedback. These observations are needed now to form a crucial part of Hubble's lasting legacy.

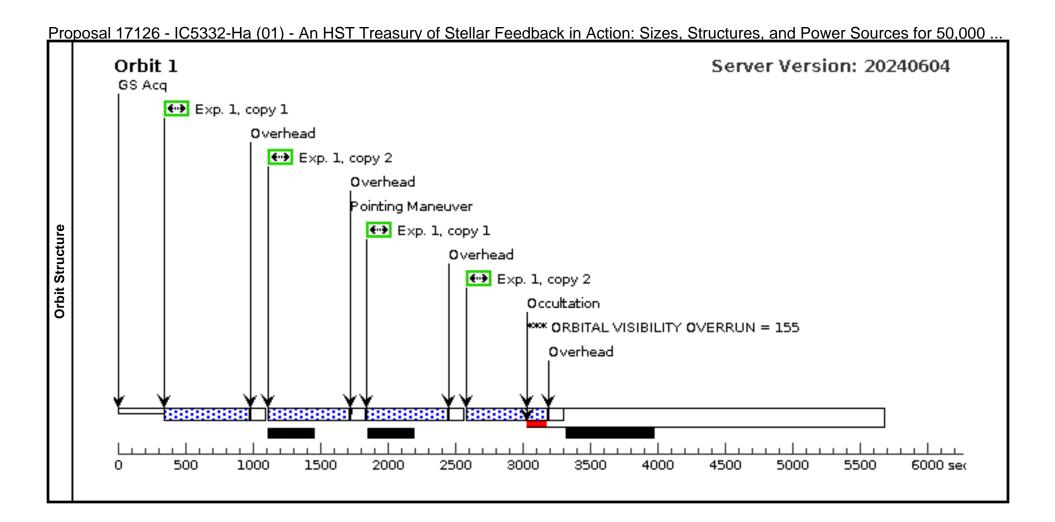
Proposal 17126 (STScI Edit Number: 1, Created: Tuesday, June 18, 2024 at 2:00:31 PM Eastern Standard Time) - Overview

OBSERVING DESCRIPTION

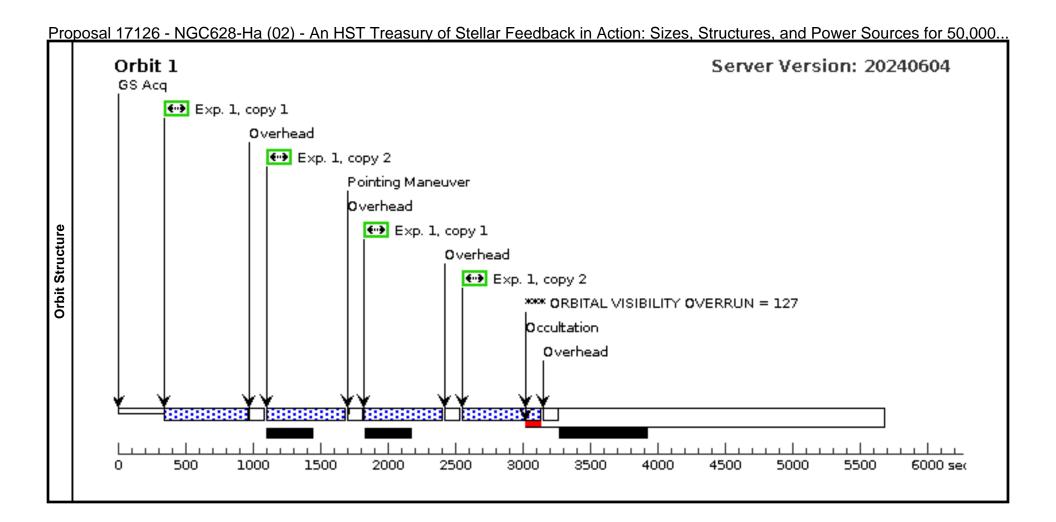
The PHANGS-Halpha sample contains 19 nearby galaxies (d<=17 Mpc) with existing broad-band imaging as part of the PHANGS-HST program, VLT/MUSE IFU spectroscopy as part of PHANGS-MUSE, and upcoming JWST imaging as part of PHANGS-JWST. The new HST-Halpha observations are critical for: (1) breaking the age/reddening degeneracy of star clusters, (2) identifying complete samples of HII regions, including the most compact ones which are not detetable in ground-based observations, (3) measuring the radii of tens of thousands of HII regions (which is only possible from the high resolution imaging of HST), and (4) directly measuring the leakage of ionizing photons from HII regions.

We will obtain Halpha narrow-band imaging with the appropriate narrowband Halpha filter using 4 exposures (~600 seconds each) in a single orbit per pointing. It is critical to step over the gap between CCDs in the WFC3 camera, and also to eliminate cosmic rays. Sub-pixel dithering is less important for this program due to the extended morphology of the ionized gas. When possible, we restrict the orientation angle to closely match that used for the PHANGS-HST broad-band images.

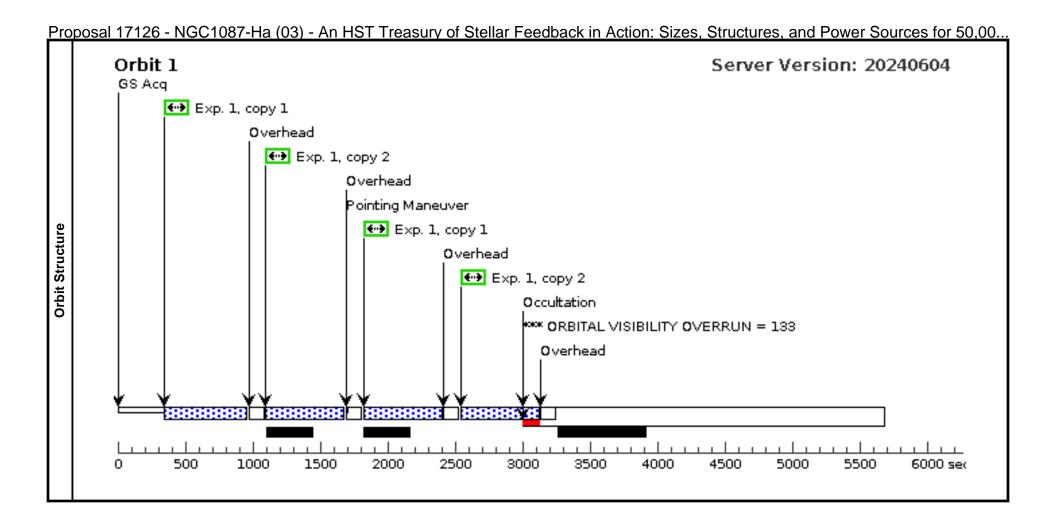
<u>P</u>	ro	<u> </u>	<u> </u>	<u>-Ha (01) - An HST Treas</u>	ury or Stella	reedback in A	<u> Action, Sizes,</u>	Structures, and	Power Sources for 50,	<u>.000</u>
		Proposal 17	126, IC5332-Ha (01),	completed					Tue Jun 18 19:00:31	GMT 2024
ŀ	1 2 1	Diagnostic S	Status: Warning							
5	>	Scientific In	struments: WFC3/UVIS	S						
L		Special Requ	uirements: ORIENT 27	7D TO 283 D						
	Diagnostics	(IC5332-Ha	(01)) Warning (Orbit P	lanner): ORBITAL VISIBILITY OVER	RUN					
Г		#	Primary Pattern			Secondary Pattern			Exposures	
L	2	(1)	Pattern Type=WFC3-U	JVIS-GAP-LINE Coordinate Frame=PG	OS-TARG				(1)	
	ratterns		Purpose=MOSAIC	Pattern Orientation=8	5.759					
	ן ב		Number Of Points=2	Angle Between Sides	=					
19	Ի		Point Spacing=2.414	Center Pattern=true						
L			Line Spacing=							
	2	#	Name	Target Coordinates	Targ.	Coord. Corrections	Flux	xes	Miscellaneous	
	largets	(1)	IC-5332	RA: 23 34 26.6300 (353.6109583d)			V=1	0.00	Reference Frame: SIMBAD	
	<u>0</u>			Dec: -36 06 1.50 (-36.10042d)						
				Equinox: J2000						
į		Comments: '. Category=G Description=	FALAXY	ed by the targetselector and retrieved fro	m the SIMBAD date	abase.				
		// T 1 1								
	Ľ	# Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
l	ľ	1 Label	(1) IC-5332	WFC3/UVIS, ACCUM,	Spectral Els. F658N	Opt. Params. FLASH=18	Special Reqs.	Pattern 1, Exps 1-1 i	Exp. Time (Total)/[Actual Dur.] 600 Secs X 2 (2392 Secs)	Orbit
	nres	# Label			<u> </u>	-	Special Reqs.	Pattern 1, Exps 1-1 i n IC5332-Ha (01) (1)		Orbit
	osares	# Label		WFC3/UVIS, ACCUM,	<u> </u>	-	Special Reqs.	Pattern 1, Exps 1-1 i n IC5332-Ha (01) (1)	600 Secs X 2 (2392 Secs) [==>598.0 Secs (Pattern 1, Copy 1)] [==>598.0 Secs (Pattern 1, Copy	Orbit
	xposures	# Labei		WFC3/UVIS, ACCUM,	<u> </u>	-	Special Reqs.	Pattern 1, Exps 1-1 i n IC5332-Ha (01) (1)	600 Secs X 2 (2392 Secs) [==>598.0 Secs (Pattern 1, Copy 1)] [==>598.0 Secs (Pattern 1, Copy 2)]	Orbit
	Exposures	# Label		WFC3/UVIS, ACCUM,	<u> </u>	-	Special Reqs.	Pattern 1, Exps 1-1 i n IC5332-Ha (01) (1)	600 Secs X 2 (2392 Secs) [==>598.0 Secs (Pattern 1, Copy 1)] [==>598.0 Secs (Pattern 1, Copy	



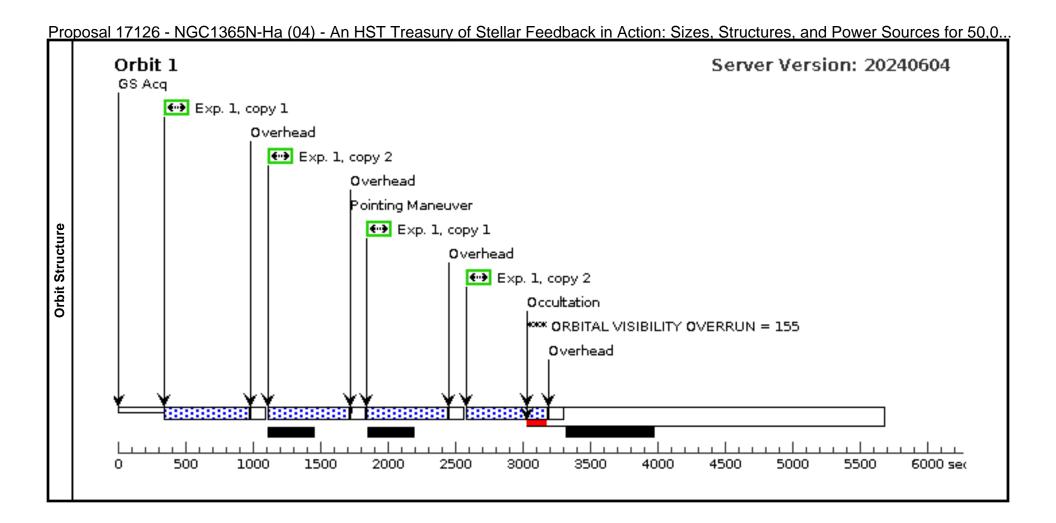
<u>Pro</u>	posal 17	126 - NGC628	8-Ha (02) - An HST Treas	sury of Stel	<u>lar Feedback in</u>	Action: Sizes	s, Structures, and	d Power Sources for 5	0,000
	Proposal 171	26, NGC628-Ha (02),	completed					Tue Jun 18 19:00:31	GMT 2024
Visit	Diagnostic St	tatus: Warning							
=	Scientific Inst	ruments: WFC3/UVIS							
	Special Requi	rements: (none)							
Diagnostics	(NGC628-Ha	(02)) Warning (Orbit I	Planner): ORBITAL VISIBILITY OVER	RUN					
1	# I	Primary Pattern			Secondary Pattern			Exposures	
S	(1) I	Pattern Type=WFC3-U	VIS-GAP-LINE Coordinate Frame=PO	S-TARG				(1)	
Patterns	I	Purpose=MOSAIC	Pattern Orientation=85	5.759					
at	1	Number Of Points=2	Angle Between Sides=	=					
I٩	I	Point Spacing=2.414	Center Pattern=true						
_	I	Line Spacing=							
ţ		Name	Target Coordinates	Targ	. Coord. Corrections	Flux		Miscellaneous	
Targets	(2) N	IGC-628	RA: 01 36 52.0600 (24.2169167d)			V=9	.95	Reference Frame: Simbad	
<u>a</u>			Dec: +15 45 50.80 (15.76411d)						
م ا			Equinox: J2000						
Fixed	Comments: Category=GA Description=								
	# Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) NGC-628	WFC3/UVIS, ACCUM,	F658N	FLASH=18		Pattern 1, Exps 1-1 i	590 Secs X 2 (2348 Secs)	
Exposures			UVIS-CENTER					==>587.0 Secs (Pattern 1, Copy 1)]	
l so								==>587.0 Secs (Pattern 1, Copy 2)]	
×								**	[1]
1 "								f==>587.0 Secs (Pattern 2, Copy [1]]	
1								==>587.0 Secs (Pattern 2, Copy 2)]	



<u></u>	10	oosai 17	120 - NGC 100	7-Ha (03) - An HST Treas	sury or sie	ellai reedback	<u>in action: Size</u>	es, Structures, a	ind Power Sources for	<u> 50,00</u>
Г		Proposal 17	126, NGC1087-Ha (03),	completed					Tue Jun 18 19:00:32	GMT 2024
1 3	VISIT	Diagnostic S	Status: Warning							
3	>	Scientific In:	struments: WFC3/UVIS							
		Special Requ	uirements: ORIENT 80D	TO 90 D; ORIENT 260D TO 270 D						
100	Diagnostics	(NGC1087-I	Ha (03)) Warning (Orbit	Planner): ORBITAL VISIBILITY OVERI	RUN					
	SOL									
	agı									
٢	5									
ı	ļ	#	Primary Pattern			Secondary Pattern			Exposures	
	2	(1)		VIS-GAP-LINE Coordinate Frame=POS-	-TARG				(1)	
13	Patterns		Purpose=MOSAIC	Pattern Orientation=85.7	759					
	at		Number Of Points=2	Angle Between Sides=						
ľ	۱ ـ		Point Spacing=2.414	Center Pattern=true						
L			Line Spacing=							
10										
1 1	2		Name	Target Coordinates	Targ	. Coord. Corrections	Flux		Miscellaneous	
	gers		Name NGC-1087	RA: 02 46 25.1545 (41.6048104d)	Targ	, Coord. Corrections		0.00	Miscellaneous Reference Frame: SIMBAD	
1000	largets			RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d)	Targ	. Coord. Corrections				
	a largets	(3)	NGC-1087	RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d) Equinox: J2000						
	-Ixea	(3)	NGC-1087 This object was generated ALAXY	RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d)						
	-Ixea	(3) Comments: Talegory=G	NGC-1087 This object was generated ALAXY	RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d) Equinox: J2000						Orbit
	-Ixea	(3) Comments: 1 Category=G Description=	NGC-1087 This object was generated ALAXY =[SPIRAL]	RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d) Equinox: J2000 I by the targetselector and retrieved from	the SIMBAD date Spectral Els.	abase.	V=1	Groups Pattern 1, Exps 1-1 i	Reference Frame: SIMBAD	Orbit
	rixed	(3) Comments: 1 Category=G Description=	NGC-1087 This object was generated ALAXY =[SPIRAL] Target	RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d) Equinox: J2000 d by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD date Spectral Els.	abase. Opt. Params.	V=1	0.00 Groups	Reference Frame: SIMBAD Exp. Time (Total)/[Actual Dur.]	Orbit
	rixed	(3) Comments: 1 Category=G Description=	NGC-1087 This object was generated ALAXY =[SPIRAL] Target	RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d) Equinox: J2000 d by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD date Spectral Els.	abase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC1087-Ha (03)	Exp. Time (Total)/[Actual Dur.] 586 Secs X 2 (2336 Secs) [==>584.0 Secs (Pattern 1, Copy 1)] [==>584.0 Secs (Pattern 1, Copy	Orbit
	rixed	(3) Comments: 1 Category=G Description=	NGC-1087 This object was generated ALAXY =[SPIRAL] Target	RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d) Equinox: J2000 d by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD date Spectral Els.	abase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC1087-Ha (03)	Exp. Time (Total)/[Actual Dur.] 586 Secs X 2 (2336 Secs) [==>584.0 Secs (Pattern 1, Copy 1)] [==>584.0 Secs (Pattern 1, Copy 2)]	Orbit
	-Ixea	(3) Comments: 1 Category=G Description=	NGC-1087 This object was generated ALAXY =[SPIRAL] Target	RA: 02 46 25.1545 (41.6048104d) Dec: -00 29 55.45 (49874d) Equinox: J2000 d by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD date Spectral Els.	abase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC1087-Ha (03)	Exp. Time (Total)/[Actual Dur.] 586 Secs X 2 (2336 Secs) [==>584.0 Secs (Pattern 1, Copy 1)] [==>584.0 Secs (Pattern 1, Copy	

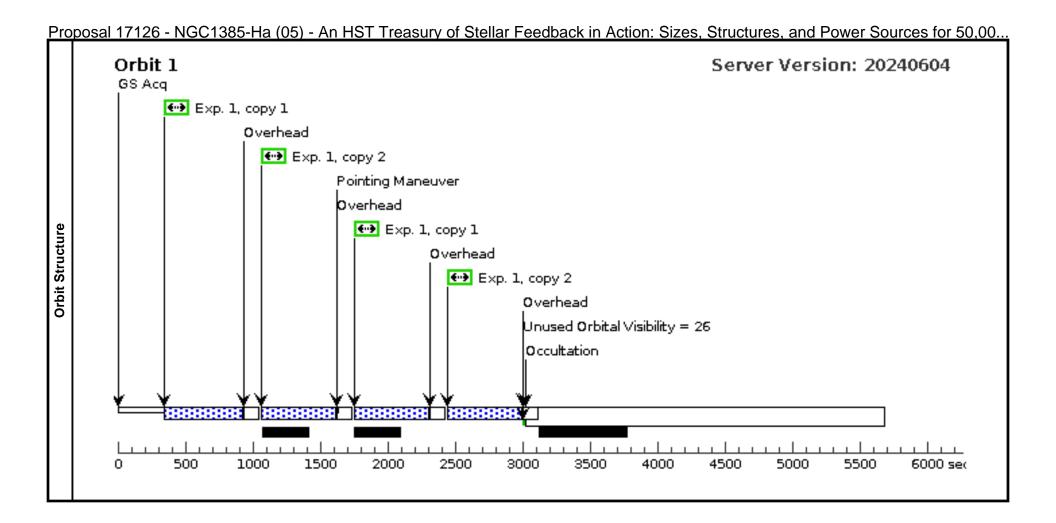


<u>Pr</u>	oposal 1	7126 - NGC136	<u>5N-Ha (04) - An HST T</u>	reasury of S	Stellar Feedback	k in Action: Si	zes, Structures	and Power Sources fo	r 50,0
	Proposal 1	7126, NGC1365N-Ha (04)), completed					Tue Jun 18 19:00:32	GMT 2024
Visit	Diagnostic	Status: Warning							
5	Scientific In	nstruments: WFC3/UVIS							
	Special Rec	quirements: ORIENT 241D	TO 247 D						
Diagnostics	(NGC1365)	N-Ha (04)) Warning (Orbit	Planner): ORBITAL VISIBILITY O	VERRUN					
	#	Primary Pattern			Secondary Pattern			Exposures	
S	(1)	Pattern Type=WFC3-UV	IS-GAP-LINE Coordinate Frame=Po	OS-TARG				(1)	
e		Purpose=MOSAIC	Pattern Orientation=8	35.759					
Patterns		Number Of Points=2	Angle Between Sides	s=					
I٩		Point Spacing=2.414	Center Pattern=true						
┕		Line Spacing=							
ş	#	Name	Target Coordinates	Targ	. Coord. Corrections	Flux		Miscellaneous	
Targets	(4)	NGC-1365-N	RA: 03 33 37.3532 (53.4056383d)			V=9	0.63	Reference Frame: SIMBAD	
<u>a</u>			Dec: -36 08 35.06 (-36.14307d)						
			Equinox: J2000						
Fixed	Category=	This object was generated GALAXY 1=[SPIRAL]	by the targetselector and retrieved fro	om the SIMBAD dat	abase.				
	# Label	l Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
ı	1	(4) NGC-1365-N	WFC3/UVIS, ACCUM,	F657N	FLASH=17		Pattern 1, Exps 1-1 i	601 Secs X 2 (2392 Secs)	
ures			UVIS-CENTER				n NGC1365Ñ-Ha (0 4) (1)	[==>598.0 Secs (Pattern 1, Copy 1)]	
								[==>598.0 Secs (Pattern 1, Copy	
								1217	
Soax								2)] [>598 0 Secs (Pattern 2 Com	[1]
Exposures								[==>598.0 Secs (Pattern 2, Copy 1)]	[1]

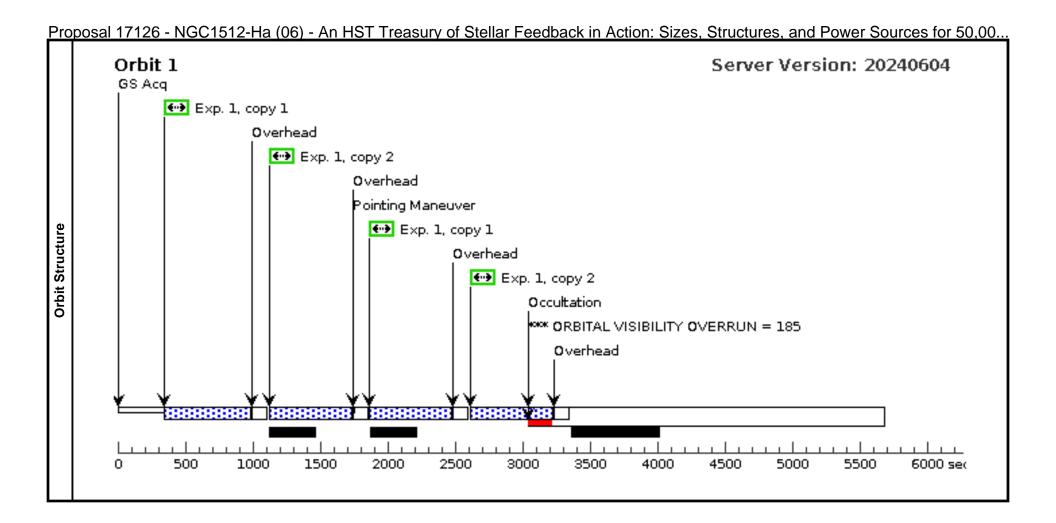


<u>Prc</u>	<u> </u>	<u>05ai 17 120 - NGC </u>	<u>385-Ha (05) - An HST Tı</u>	easury or Ste	HIAI FEEUDACK	III ACIIOII. SIZ	es, siruciures, a	and Power Sources for	<u> </u>
	Pro	roposal 17126, NGC1385-Ha	(05), completed					Tue Jun 18 19:00:32	GMT 2024
isit	Dia	iagnostic Status: No Diagnost	ics						
	Scie	cientific Instruments: WFC3/U	VIS						
	Spe	pecial Requirements: ORIENT	211.8D TO 217.8 D						
l	#	Primary Pattern			Secondary Pattern			Exposures	
ટ	(1)) Pattern Type=WFC	3-UVIS-GAP-LINE Coordinate Frame=	POS-TARG				(1)	
e I		Purpose=MOSAIC	Pattern Orientation:	=85.759					
Patterns		Number Of Points=	2 Angle Between Sid	es=					
۵		Point Spacing=2.41	4 Center Pattern=true	;					
		Line Spacing=							
S	#	Name	Target Coordinates	Targ	. Coord. Corrections	Flu	ixes	Miscellaneous	
ge	(5)						10.04	D.C. E. CD.CD.LD	
	(3)) NGC-1385	RA: 03 37 28.5062 (54.3687758d))		V=	:10.94	Reference Frame: SIMBAD	
<u>.</u> ē	(3)) NGC-1385	RA: 03 37 28.5062 (54.3687758d) Dec: -24 30 2.60 (-24.50072d))		V=	:10.94	Reference Frame: SIMBAD	
d Targets	(3)) NGC-1385	,)		V=	10.94	Reference Frame: SIMBAD	
Fixed Taı	Con Cat	,	Dec: -24 30 2.60 (-24.50072d)	,	abase.	V=	:10.94	Reference Frame: SIMBAD	
Fixed	Con Cat	omments: This object was gene ategory=GALAXY	Dec: -24 30 2.60 (-24.50072d) Equinox: J2000	,	abase. Opt. Params.	V= Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
res Fixed	Con Cate Des	omments: This object was gene ategory=GALAXY escription=[SPIRAL]	Dec: -24 30 2.60 (-24.50072d) Equinox: J2000 rated by the targetselector and retrieved J Config,Mode,Aperture 5 WFC3/UVIS, ACCUM,	from the SIMBAD dat			Groups Pattern 1, Exps 1-1 i		Orbit
res Fixed	Con Cate Des	omments: This object was gene ategory=GALAXY escription=[SPIRAL] Label Target	Dec: -24 30 2.60 (-24.50072d) Equinox: J2000 rated by the targetselector and retrieved J	from the SIMBAD dat Spectral Els.	Opt. Params.		Groups Pattern 1, Exps 1-1 i n NGC1385-Ha (05)	Exp. Time (Total)/[Actual Dur.]	Orbit
Fixed	Con Cate Des	omments: This object was gene ategory=GALAXY escription=[SPIRAL] Label Target	Dec: -24 30 2.60 (-24.50072d) Equinox: J2000 rated by the targetselector and retrieved J Config,Mode,Aperture 5 WFC3/UVIS, ACCUM,	from the SIMBAD dat Spectral Els.	Opt. Params.		Groups Pattern 1, Exps 1-1 i	Exp. Time (Total)/[Actual Dur.] 550 Secs X 2 (2200 Secs)	Orbit

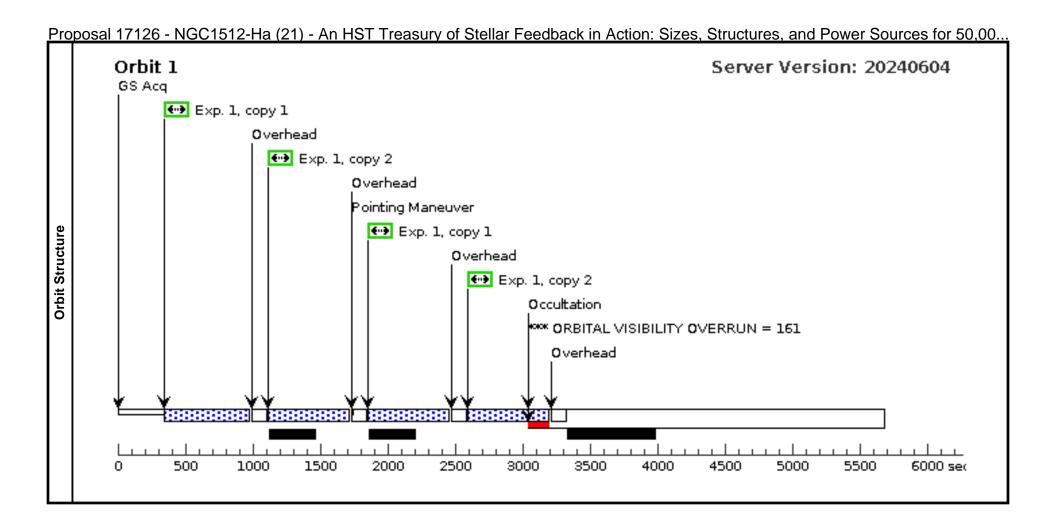
[==>(Pattern 2, Copy 2)]



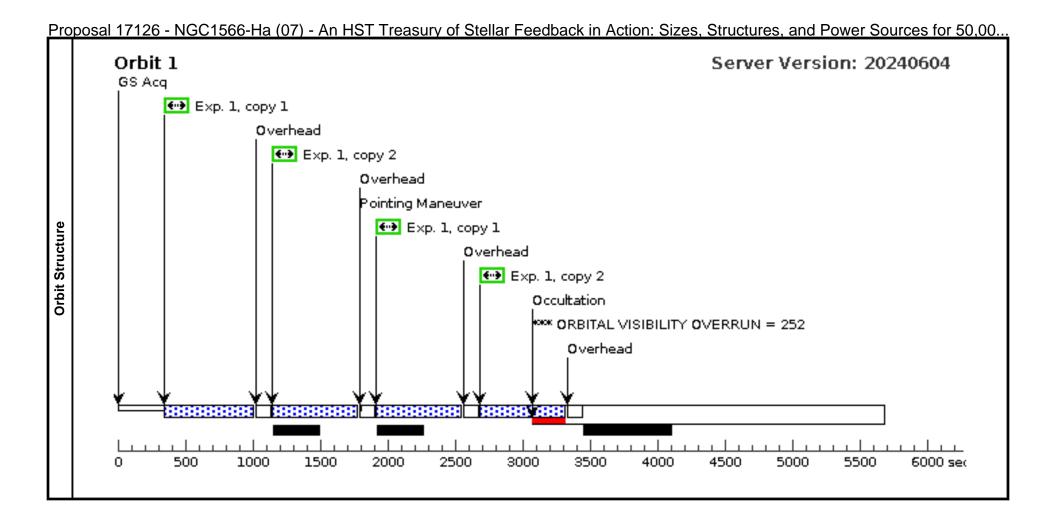
<u>Pr</u>	oposal	l 1712	<u> 26 - NGC151</u>	2-Ha (06) - An HST Trea	asury of Ste	ellar Feedback i	in Action: Size	es, Structures, a	and Power Sources for	50,00
		al 17126,	NGC1512-Ha (06),	failed					Tue Jun 18 19:00:32	GMT 2024
Visi V	Diagnos	stic Statu	s: Warning							
	Scientifi	ic Instrun	nents: WFC3/UVIS							
L	Special	Requirem	nents: ORIENT 2711	O TO 277 D						
Diagnostics	(NGC15	512-Ha (0	06)) Warning (Orbit 1	Planner): ORBITAL VISIBILITY OVER	RRUN					
	#	Prir	mary Pattern			Secondary Pattern			Exposures	
٧	(1)	Patt	ern Type=WFC3-UV	VIS-GAP-LINE Coordinate Frame=POS	S-TARG				(1)	
Patterns	;	Purp	pose=MOSAIC	Pattern Orientation=85	.759					
‡	;	Nun	nber Of Points=2	Angle Between Sides=						
10		Poir	nt Spacing=2.414	Center Pattern=true						
L		Line	e Spacing=							
ψ	#	Nam	ne	Target Coordinates	Targ	g. Coord. Corrections	Flux	xes	Miscellaneous	
Targets	(6)	NGC	C-1512	RA: 04 03 44.8448 (60.9368533d)			V=1	1.13	Reference Frame: Simbad	
7	5			Dec: -43 22 13.05 (-43.37029d)						
15	;			Equinox: J2000						
Fixed	Commen Categor Descrip	nts: ry=GALA. ption=[SP.								
Г	# La	abel	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(6) NGC-1512	WFC3/UVIS, ACCUM,	F658N	FLASH=18		Pattern 1, Exps 1-1 i	610 Secs X 2 (2432 Secs)	
Expositres	3			UVIS-CENTER				n NGC1512-Ha (06) (1)	[==>608.0 Secs (Pattern 1, Copy 1)]	
0	<u> </u>								[==>608.0 Secs (Pattern 1, Copy 2)]	
S	<u>-</u>									[1]
١	'								[==>608.0 Secs (Pattern 2, Copy 1)]	
1									[==>608.0 Secs (Pattern 2, Copy 2)]	



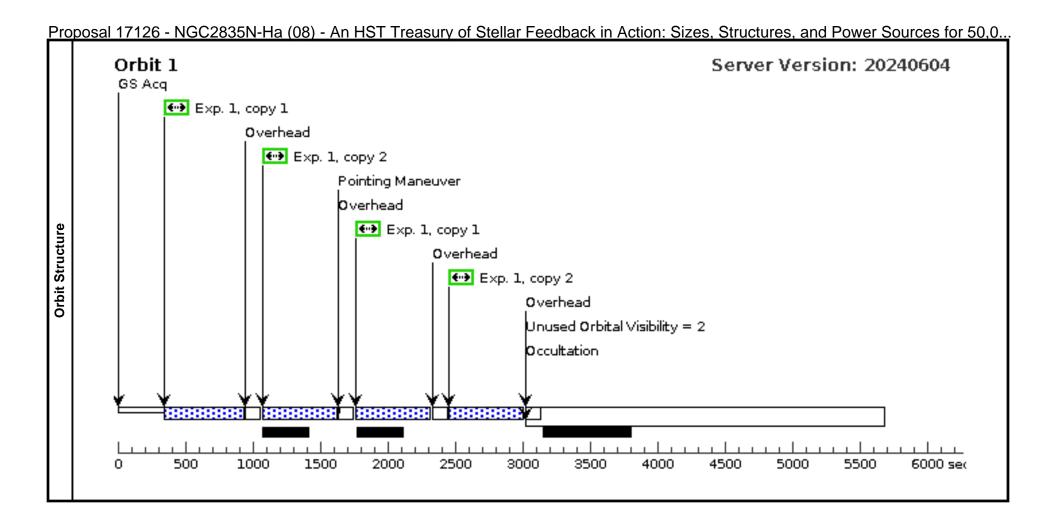
<u>P</u>	ro	oosal 17	126 - NGC1512	2-Ha (21) - An HST Tre	asury of Ste	<u>ellar Feedback i</u>	n Action: Size	es, Structures, a	and Power Sources for	50,00
		Proposal 171	26, NGC1512-Ha (21), c	completed					Tue Jun 18 19:00:32	GMT 2024
1	VISIT	Diagnostic S	tatus: Warning							
5	>	Scientific Ins	truments: WFC3/UVIS							
L		Special Requ	irements: ORIENT 91D T	CO 97 D						
	Diagnostics	(NGC1512-H	a (21)) Warning (Orbit Pl	lanner): ORBITAL VISIBILITY OVE	ERRUN					
۲	-	#	Primary Pattern			Secondary Pattern			Exposures	
L	- 1		•	IS-GAP-LINE Coordinate Frame=PC	S-TARG	Secondary Lattern			(1)	
	ratterns	` ′	Purpose=MOSAIC	Pattern Orientation=8						
			Number Of Points=2	Angle Between Sides	=					
4	בֿ		Point Spacing=2.414	Center Pattern=true						
			Line Spacing=							
	Ŋ.	# 1	Name	Target Coordinates	Targ	g. Coord. Corrections	Flux	xes .	Miscellaneous	
	largets	(20) N	NGC-1512-2	RA: 04 03 55.4838 (60.9811825d)			V=1	1.13	Reference Frame: Simbad	
L	d			Dec: -43 20 44.97 (-43.34582d)						
;	5			Equinox: J2000						
֓֞֞֜֜֞֜֜֞֜֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֜֜֜֓֓֓֓֡֓֜֜֜֡֡֓֓֡֓֜֡֓֡֓֜֡֡֡֡		Comments: Category=GA Description=								
		# Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
ı		1	(20) NGC-1512-2	WFC3/UVIS, ACCUM,	F658N	FLASH=18			610 Secs X 2 (2408 Secs)	
	exposares			UVIS-CENTER				n NGC1512-Ha (21) (1)	[==>602.0 Secs (Pattern 1, Copy 1)]	
	20								[==>602.0 Secs (Pattern 1, Copy 2)]	
	<u>م</u>								[==>602.0 Secs (Pattern 2, Copy	[1]
ľ	۱ ۵								[== >002.0 Secs (1 unem 2, Copy 1)]	
									[==>602.0 Secs (Pattern 2, Copy 2)]	



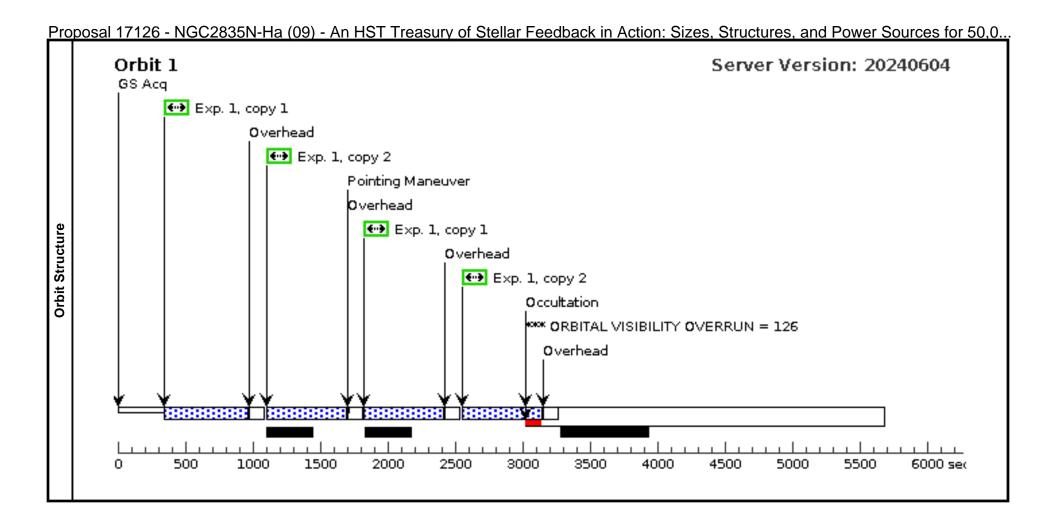
<u>Pro</u>	posal 17	126 - NGC156	66-Ha (07) - An HST Trea	asury of Ste	ellar Feedback i	n Action: Size	es, Structures, a	nd Power Sources for	50,00
	Proposal 1712	26, NGC1566-Ha (07),	, completed					Tue Jun 18 19:00:32	GMT 2024
Visit	Diagnostic Sta	atus: Warning							
=	Scientific Insti	ruments: WFC3/UVIS							
	Special Requir	rements: ORIENT 268.	9D TO 274.9 D						
Diagnostics	(NGC1566-Ha	a (07)) Warning (Orbit	Planner): ORBITAL VISIBILITY OVE	RRUN					
۲	# P	Primary Pattern			Secondary Pattern			Exposures	
၂ က	(1) P	Pattern Type=WFC3-U	VIS-GAP-LINE Coordinate Frame=PO	S-TARG	·			(1)	
Patterns	P	Purpose=MOSAIC	Pattern Orientation=85	5.759					
at l	N	Number Of Points=2	Angle Between Sides=	:					
۵	P	Point Spacing=2.414	Center Pattern=true						
	I	Line Spacing=							
्र ।	# N	lame	Target Coordinates	Targ	. Coord. Corrections	Flux	Kes	Miscellaneous	
Targets	(7) N	IGC-1566	RA: 04 20 0.5300 (65.0022083d)			V=1	0.33	Reference Frame: Simbad	
آڃ			Dec: -54 56 13.80 (-54.93717d)						
12			Equinox: J2000						
Fixed	Comments: Category=GA Description=[
	# Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	1	(7) NGC-1566	WFC3/UVIS, ACCUM,	F658N	FLASH=18		Pattern 1, Exps 1-1 i	634 Secs X 2 (2528 Secs)	
Exposures			UVIS-CENTER				n NGC1566-Ha (07) (1)	[==>632.0 Secs (Pattern 1, Copy 1)]	
lso								[==>632.0 Secs (Pattern 1, Copy 2)]	
유								[==>632.0 Secs (Pattern 2, Copy	[1]
۱"								[== >032.0 secs (1 unern 2, copy 1)]	
1								[==>632.0 Secs (Pattern 2, Copy	



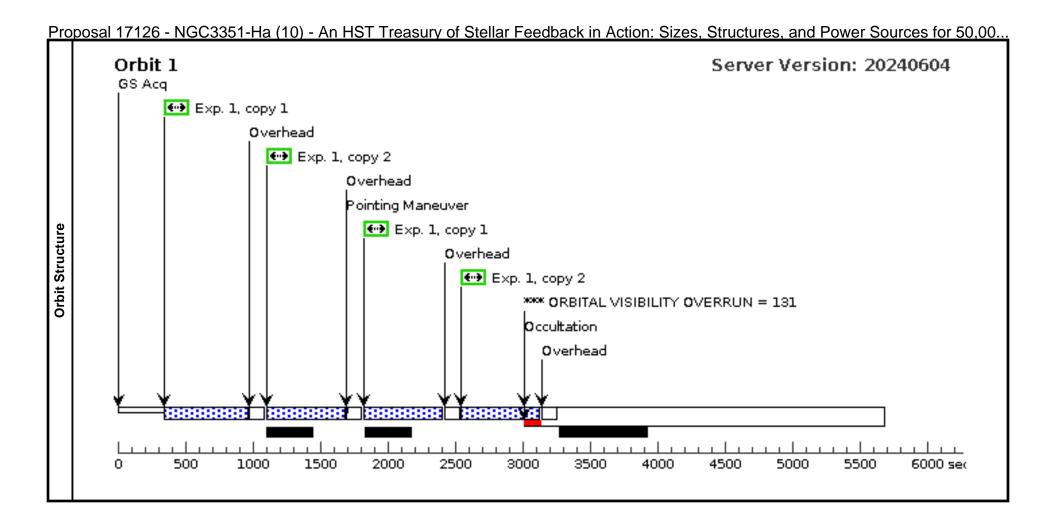
<u>P</u>	ro	posal 17	7126 - NGC2835	<u>5N-Ha (08) - An HST Tı</u>	reasury of S	Stellar Feedbacl	k in Action: S	<u>izes, Structures.</u>	<u>, and Power Sources fo</u>	r 50,0
		-	126, NGC2835N-Ha (08) Status: No Diagnostics	, implementation					Tue Jun 18 19:00:32	GMT 2024
3	5	Scientific In	struments: WFC3/UVIS							
L		Special Requ	uirements: ORIENT 316.5	D TO 322.5 D						
ı	L	#	Primary Pattern			Secondary Pattern			Exposures	
L	us	(1)	Pattern Type=WFC3-UV	IS-GAP-LINE Coordinate Frame=PC	S-TARG				(1)	
	Patterns		Purpose=MOSAIC	Pattern Orientation=8.	5.759					
	ati		Number Of Points=2	Angle Between Sides	=					
ľ	_		Point Spacing=2.414	Center Pattern=true						
L			Line Spacing=							
	ţ		Name	Target Coordinates	Targ	g. Coord. Corrections		xes	Miscellaneous	
	largets	(8)	NGC-2835-N	RA: 09 17 53.1051 (139.4712713d)			V=	10.00	Reference Frame: SIMBAD	
L	ā			Dec: -22 21 18.25 (-22.35507d)						
				Equinox: J2000						
į	ĤΙ	Comments: Category=G Description=	GALAXŸ	by the targetselector and retrieved fro	m the SIMBAD da	tabase.				
Г		# Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
ı		1	(8) NGC-2835-N	WFC3/UVIS, ACCUM,	F658N	FLASH=18			590 Secs X 2 (2224 Secs)	
	exposures			UVIS-CENTER				n NGC2835N-Ha (0 8) (1)	[==>556.0 Secs (Pattern 1, Copy 1)]	
	SO								[==>556.0 Secs (Pattern 1, Copy 2)]	
L	X D								[==>556.0 Secs (Pattern 2, Copy	[1]
Г									[1)]	
									[==>556.0 Secs (Pattern 2, Copy 2)]	



<u>Pr</u>	oposal [·]	17126 - NGC28	<u> 35N-Ha (09) - An HST Tr</u>	easury of S	Stellar Feedback	k in Action: Siz	zes, Structures,	and Power Sources fo	r 50,0
	Proposal	17126, NGC2835N-Ha (0	9), completed					Tue Jun 18 19:00:32	GMT 2024
Visit	Diagnosti	c Status: Warning							
	Scientific	Instruments: WFC3/UVIS							
	Special Re	equirements: ORIENT 316	5.5D TO 322.5 D						
Diagnostics	(NGC283:	5N-Ha (09)) Warning (Ort	oit Planner): ORBITAL VISIBILITY OV	ERRUN					
	#	Primary Pattern			Secondary Pattern			Exposures	
ns.	(1)	Pattern Type=WFC3-U	JVIS-GAP-LINE Coordinate Frame=PO	S-TARG				(1)	
Patterns		Purpose=MOSAIC	Pattern Orientation=85	.759					
at		Number Of Points=2	Angle Between Sides=	:					
1-		Point Spacing=2.414	Center Pattern=true						
-		Line Spacing=							
ी इं	#	Name	Target Coordinates	Targ	. Coord. Corrections	Flux		Miscellaneous	
Targets	(9)	NGC-2835-S	RA: 09 17 53.0400 (139.4710000d)			V=1	0.00	Reference Frame: Simbad	
₽			Dec: -22 23 0.00 (-22.38333d)						
			Equinox: J2000						
Fixed	Comments Category= Description								
	# Lab	el Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) NGC-2835-S		F658N	FLASH=18		Pattern 1, Exps 1-1 i	590 Secs X 2 (2352 Secs)	
Exposures			UVIS-CENTER				n NGC2835Ñ-Ha (0 9) (1)	[==>588.0 Secs (Pattern 1, Copy 1)]	
So								[==>588.0 Secs (Pattern 1, Copy 2)]	
l ×								[==>588.0 Secs (Pattern 2, Copy	[1]
I۳								[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	
1								[==>588.0 Secs (Pattern 2, Copy 2)]	

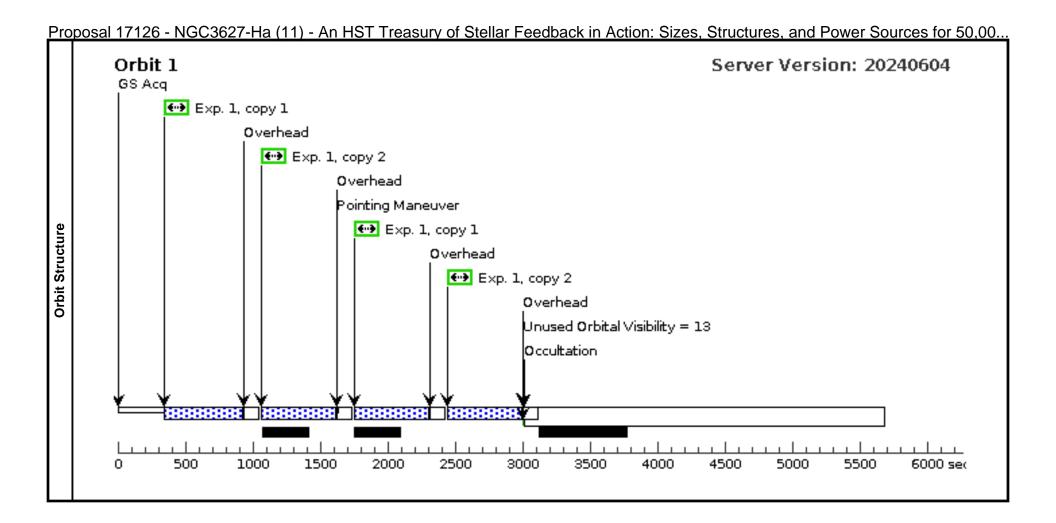


<u>P</u>	ro	oosal 17	7126 - NGC335	51-Ha (10) - An HST Trea	asury of Ste	ellar Feedback i	n Action: Size	es, Structures, a	and Power Sources for	50,00
		Proposal 17	126, NGC3351-Ha (10)	, completed					Tue Jun 18 19:00:32	GMT 2024
1	VISIT	Diagnostic S	Status: Warning							
5	>	Scientific Ins	struments: WFC3/UVIS							
		Special Requ	uirements: (none)							
	Diagnostics	(NGC3351-F	Ha (10)) Warning (Orbit	Planner): ORBITAL VISIBILITY OVE	RRUN					
ı	L	#	Primary Pattern			Secondary Pattern			Exposures	
	2	(1)	Pattern Type=WFC3-U	VIS-GAP-LINE Coordinate Frame=PO	S-TARG				(1)	
	ratterns		Purpose=MOSAIC	Pattern Orientation=85	5.759					
	ם ב		Number Of Points=2	Angle Between Sides=	=					
ľ	۱ -		Point Spacing=2.414	Center Pattern=true						
L			Line Spacing=							
1	2		Name	Target Coordinates	Targ	g. Coord. Corrections	Flux		Miscellaneous	
	largets	(10)	NGC-3351	RA: 10 43 58.0000 (160.9916667d)			V=1	0.5	Reference Frame: Simbad	
L	<u>0</u>			Dec: +11 42 17.76 (11.70493d)						
ŀ	5			Equinox: J2000						
į		Comments: Category=G Description=								
		# Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
ı		1	(10) NGC-3351	WFC3/UVIS, ACCUM,	F658N	FLASH=18		Pattern 1, Exps 1-1 i	588 Secs X 2 (2344 Secs)	
	Exposures			UVIS-CENTER				n NGC3351-Ha (10) (1)	[==>586.0 Secs (Pattern 1, Copy 1)]	
	20								[==>586.0 Secs (Pattern 1, Copy	
	<u>Հ</u>								2)]	[1]
١	Ц								[==>586.0 Secs (Pattern 2, Copy 1)]	
									[==>586.0 Secs (Pattern 2, Copy	

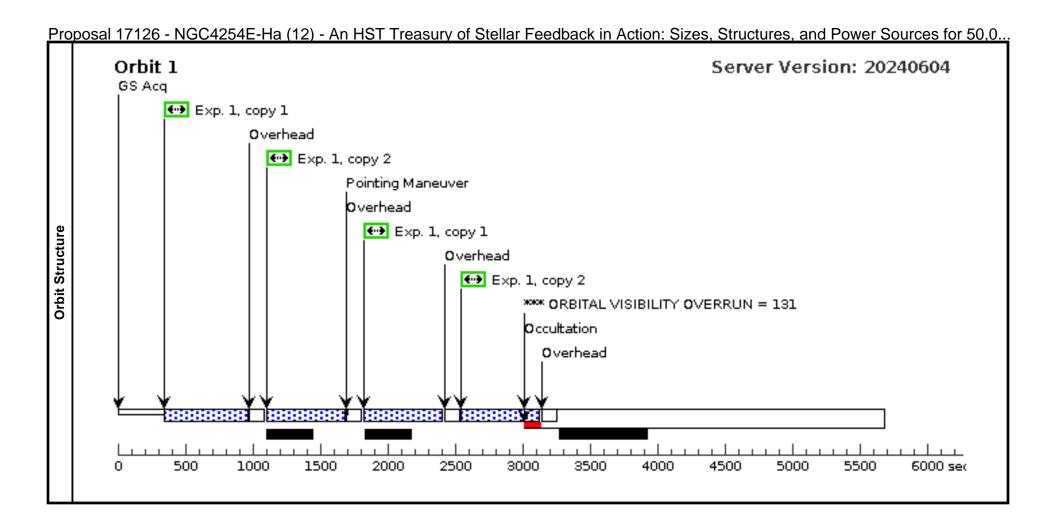


Pro	ogo	sal 17	126 - NGC362	<u> 27-Ha (11) - An HST Tre</u>	asury of Ste	ellar Feedback	in Action: Siz	<u>es, Structures, a</u>	and Power Sources for	50,00
	Pro	oposal 171	26, NGC3627-Ha (11),	, completed					Tue Jun 18 19:00:32	GMT 2024
isit	Dia	agnostic St	tatus: No Diagnostics							
	Scie	entific Inst	ruments: WFC3/UVIS							
	Spe	ecial Requi	rements: (none)							
	#]	Primary Pattern			Secondary Pattern			Exposures	
SC	(1)	I	Pattern Type=WFC3-U	VIS-GAP-LINE Coordinate Frame=P0	OS-TARG				(1)	
e		I	Purpose=MOSAIC	Pattern Orientation=8	5.759					
Patterns		1	Number Of Points=2	Angle Between Sides	=					
<u> </u>		I	Point Spacing=2.414	Center Pattern=true						
		I	Line Spacing=							
छ	#	N	lame	Target Coordinates	Targ	. Coord. Corrections	Flu	ixes	Miscellaneous	
Targets	(11)	.) N	IGC-3627	RA: 11 20 15.5200 (170.0646667d)			V=	8.92	Reference Frame: SIMBAD	
ā.				Dec: +13 00 0.50 (13.00014d)						
				Equinox: J2000						
Fixed	Cat	tegory= GA	LAXŸ	d by the targetselector and retrieved fro	om the SIMBAD dat	abase.				
┢	Des #	scription= ₁ Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Regs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
sə.	1		(11) NGC-3627	WFC3/UVIS, ACCUM,	F658N	FLASH=18	•	*	550 Secs X 2 (2200 Secs)	
Įğ				UVIS-CENTER				n NGC3627-Ha (11)	$[==>(Pattern\ 1,\ Copy\ 1)]$	
Exposu								(1)	[==>(Pattern 1, Copy 2)]	
									1	[1]

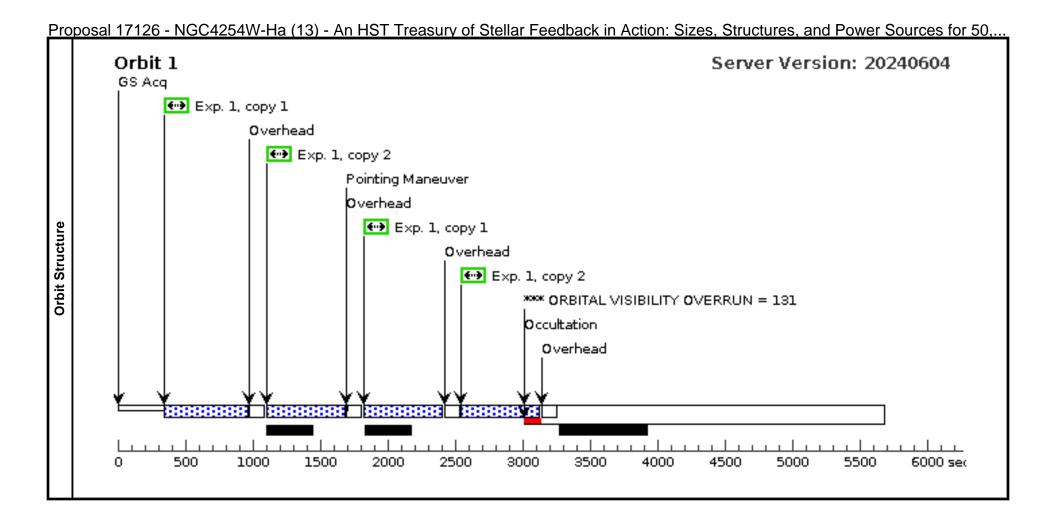
[==>(Pattern 2, Copy 2)]



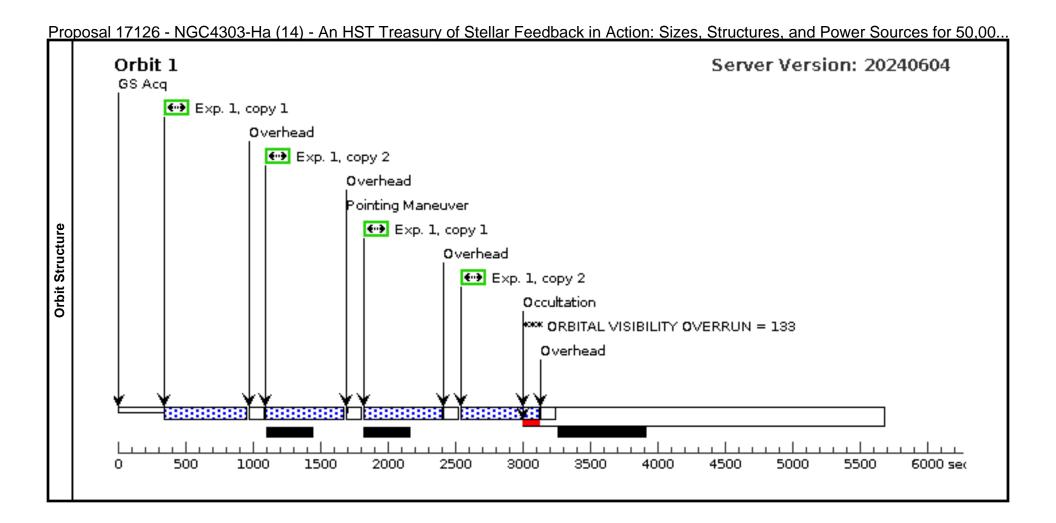
<u> 11</u>	oposal	<u> 17126 - NGC4254</u>	+E-na (12) - Ali no i 110	easury or s	iteliai reeubaci	t in Action. Siz	zes, siruciures,	<u>and Power Sources fo</u>	<u>r 50,0</u>
		17126, NGC4254E-Ha (12)	, completed					Tue Jun 18 19:00:32	GMT 2024
\ isi\	Diagnosti	ic Status: Warning							
	Scientific	Instruments: WFC3/UVIS							
L	Special R	equirements: ORIENT 160D	TO 240 D; ORIENT 340D TO 60 D						
Diagnostics	(NGC425	4E-Ha (12)) Warning (Orbit	Planner): ORBITAL VISIBILITY OVI	ERRUN					
	#	Primary Pattern			Secondary Pattern			Exposures	
2	(1)	Pattern Type=WFC3-UV	IS-GAP-LINE Coordinate Frame=POS	S-TARG				(1)	
Patterns		Purpose=MOSAIC	Pattern Orientation=85	.759					
Ť		Number Of Points=2	Angle Between Sides=						
Iª	•	Point Spacing=2.414	Center Pattern=true						
L		Line Spacing=							
4	#	Name	Target Coordinates	Targ	. Coord. Corrections	Flux		Miscellaneous	
Targets	(12)	NGC-4254-E	RA: 12 18 56.2297 (184.7342904d)			V=9	0.87	Reference Frame: SIMBAD	
2			Dec: +14 26 3.68 (14.43436d)						
			Equinox: J2000						
1 6									
Fixed	Comment: Category: Description	s: This object was generated =GALAXY on=[SPIRAL]	by the targetselector and retrieved fron	ı the SIMBAD dat	abase.				
٢	Comments Category Description # Lab	=GALAXŸ on=[SPIRAL]	by the targetselector and retrieved from Config, Mode, Aperture	the SIMBAD date Spectral Els.	opt. Params.	Special Regs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	Descriptio	=GALAXŸ on=[SPIRAL]	Config,Mode,Aperture WFC3/UVIS, ACCUM,			Special Reqs.	Pattern 1, Exps 1-1 i	Exp. Time (Total)/[Actual Dur.] 588 Secs X 2 (2344 Secs)	Orbit
	# Lab	=GALAXŸ on=[SPIRAL] oel Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Regs.	Pattern 1, Exps 1-1 i n NGC4254E-Ha (12		Orbit
	# Lab	=GALAXŸ on=[SPIRAL] oel Target	Config,Mode,Aperture WFC3/UVIS, ACCUM,	Spectral Els.	Opt. Params.	Special Regs.	Pattern 1, Exps 1-1 i n NGC4254E-Ha (12) (1)	588 Secs X 2 (2344 Secs) f==>586.0 Secs (Pattern 1, Copy 1)] f==>586.0 Secs (Pattern 1, Copy 1)	Orbit
	# Lab	=GALAXŸ on=[SPIRAL] oel Target	Config,Mode,Aperture WFC3/UVIS, ACCUM,	Spectral Els.	Opt. Params.	Special Regs.	Pattern 1, Exps 1-1 i n NGC4254E-Ha (12) (1)	588 Secs X 2 (2344 Secs) f==>586.0 Secs (Pattern 1, Copy 1)] f==>586.0 Secs (Pattern 1, Copy 2)]	Orbit
Expositres	# Lab	=GALAXŸ on=[SPIRAL] oel Target	Config,Mode,Aperture WFC3/UVIS, ACCUM,	Spectral Els.	Opt. Params.	Special Regs.	Pattern 1, Exps 1-1 i n NGC4254E-Ha (12) (1)	588 Secs X 2 (2344 Secs) f==>586.0 Secs (Pattern 1, Copy 1)] f==>586.0 Secs (Pattern 1, Copy 1)	



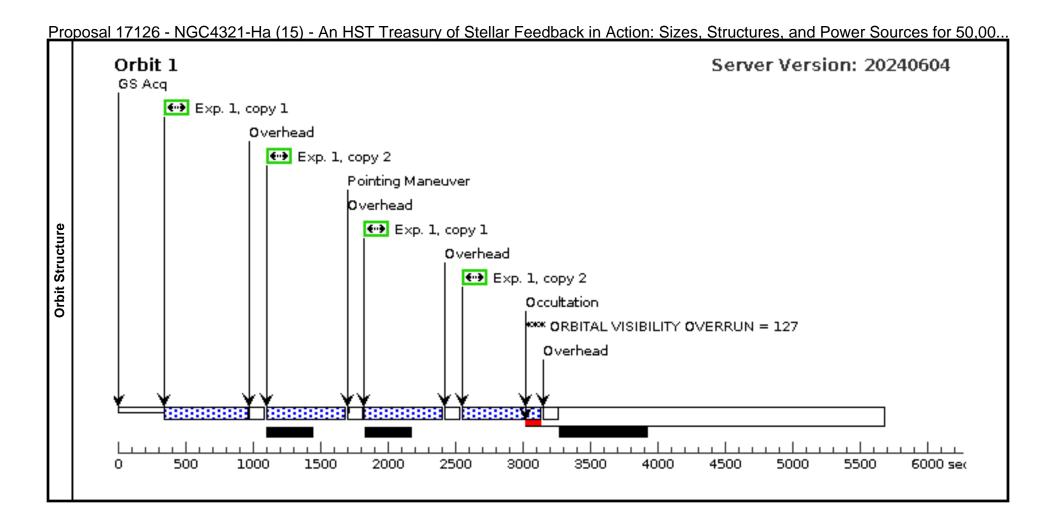
<u> </u>	<u>oposa</u>	<u>ai 171</u>	<u> 26 - NGC4254</u>	<u>W-Ha (13) - An HST T</u>	<u>reasury of S</u>	<u>Stellar Feedbac</u>	<u>:k in Action: S</u>	<u>izes, Structures</u>	<u>, and Power Sources fo</u>	or 50,
Г		osal 17126	6, NGC4254W-Ha (13),	completed					Tue Jun 18 19:00:32	GMT 2024
Visit	Diagno	nostic Stat	tus: Warning							
=	Scienti	tific Instru	ments: WFC3/UVIS							
	Specia	al Require	ments: (none)							
Diagnostics	(NGC4	C4254W-H	a (13)) Warning (Orbit I	Planner): ORBITAL VISIBILITY OV	/ERRUN					
	#	Pr	imary Pattern			Secondary Pattern			Exposures	
S	(1)			S-GAP-LINE Coordinate Frame=PO	S-TARG				(1)	
ē		Pu	rpose=MOSAIC	Pattern Orientation=85	5.759					
Patterns		Νü	mber Of Points=2	Angle Between Sides=	=					
Iº		Po	int Spacing=2.414	Center Pattern=true						
_		Liı	ne Spacing=							
ध	#									
	π			Target Coordinates	Targ.	Coord. Corrections	Flux		Miscellaneous	
l e	(13)		GC-4254-W	RA: 12 18 46.9283 (184.6955346d)	Targ.	Coord. Corrections	Flux V=9		Miscellaneous Reference Frame: SIMBAD	
Targe	(13)		GC-4254-W	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d)	Targ.	Coord. Corrections				
d Targets		NG	GC-4254-W	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d) Equinox: J2000						
Fixed Targe	Commo Catego	NG	C-4254-W s object was generated b AXY	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d)						
	Commo Catego Descri	NG ments: This gory=GAL	C-4254-W s object was generated b AXY	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d) Equinox: J2000						Orbit
	Commo Catego Descri	NG ments: This gory=GAL ription=[S	C-4254-W s object was generated b AXY PIRAL]	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d) Equinox: J2000 y the targetselector and retrieved from Config,Mode,Aperture WFC3/UVIS, ACCUM,	m the SIMBAD data	abase.	V=9	Groups Pattern 1, Exps 1-1 i	Reference Frame: SIMBAD	Orbit
Fixed	Commo Catego Descri # I	NG ments: This gory=GAL ription=[S	GC-4254-W s object was generated b AXY PIRAL] Target	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d) Equinox: J2000 y the targetselector and retrieved from Config,Mode,Aperture	m the SIMBAD data Spectral Els.	abase. Opt. Params.	V=9	.87 Groups	Reference Frame: SIMBAD Exp. Time (Total)/[Actual Dur.]	Orbit
Fixed	Commo Catego Descri # I	NG ments: This gory=GAL ription=[S	GC-4254-W s object was generated b AXY PIRAL] Target	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d) Equinox: J2000 y the targetselector and retrieved from Config,Mode,Aperture WFC3/UVIS, ACCUM,	m the SIMBAD data Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4254W-Ha (1	Exp. Time (Total)/[Actual Dur.] 588 Secs X 2 (2344 Secs) [==>586.0 Secs (Pattern 1, Copy 1)] [==>586.0 Secs (Pattern 1, Copy	Orbit
Fixed	Commo Catego Descri # I	NG ments: This gory=GAL ription=[S	GC-4254-W s object was generated b AXY PIRAL] Target	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d) Equinox: J2000 y the targetselector and retrieved from Config,Mode,Aperture WFC3/UVIS, ACCUM,	m the SIMBAD data Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4254W-Ha (1	Exp. Time (Total)/[Actual Dur.] 588 Secs X 2 (2344 Secs) [==>586.0 Secs (Pattern 1, Copy 1)] [==>586.0 Secs (Pattern 1, Copy 2)]	Orbit [1]
	Commo Catego Descri # I	NG ments: This gory=GAL ription=[S	GC-4254-W s object was generated b AXY PIRAL] Target	RA: 12 18 46.9283 (184.6955346d) Dec: +14 24 38.09 (14.41058d) Equinox: J2000 y the targetselector and retrieved from Config,Mode,Aperture WFC3/UVIS, ACCUM,	m the SIMBAD data Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4254W-Ha (1	Exp. Time (Total)/[Actual Dur.] 588 Secs X 2 (2344 Secs) [==>586.0 Secs (Pattern 1, Copy 1)] [==>586.0 Secs (Pattern 1, Copy	



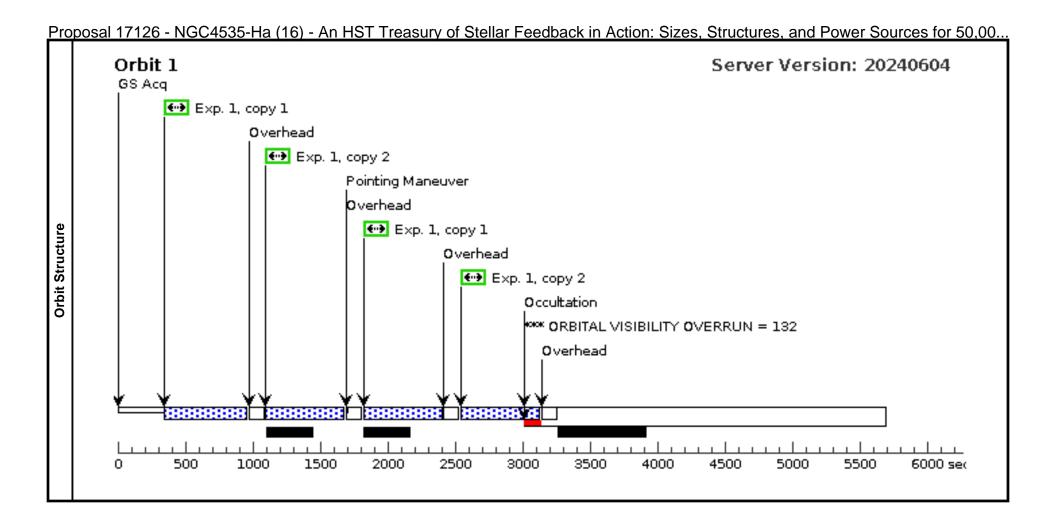
<u>ヒ</u>	ıv	<u>oosal 1/12</u>	<u> 26 - NGC4303</u>	<u> 3-Ha (14) - An HST Tre</u>	asury of Ste	<u>ellar Feedback l</u>	<u>in Action: Size</u>	<u>es, Structures, a</u>	ind Power Sources for	<u>50,00</u>
		Proposal 17126,	NGC4303-Ha (14), o	completed					Tue Jun 18 19:00:32	GMT 2024
<u>*</u>	1	Diagnostic Statu	s: Warning							
5	>	Scientific Instrun	nents: WFC3/UVIS							
L		Special Requirem	nents: ORIENT 157D	TO 163 D						
30143041	Diagnostics	(NGC4303-Ha (1	4)) Warning (Orbit P	lanner): ORBITAL VISIBILITY OVE	RRUN					
٤	-								I.	
Ι.	ŀ		nary Pattern		1	Secondary Pattern			Exposures	
Dattorne	2	` ′	* 1	IS-GAP-LINE Coordinate Frame=PC					(1)	
] 3	פֿ	1 *	oose=MOSAIC	Pattern Orientation=85						
1 5	ק		nber Of Points=2	Angle Between Sides	=					
ľ	_		nt Spacing=2.414	Center Pattern=true						
\vdash	-		e Spacing=	T C Y	T.		T1		25: 11	
{	2	# Nam								
1	ו ט			Target Coordinates P.A. 12 21 55 2660 (195 49060174)	Targ	. Coord. Corrections	Flux		Miscellaneous	
	3		C-4303	RA: 12 21 55.3660 (185.4806917d)	Targ	. Coord. Corrections	V=9		Reference Frame: SIMBAD	
	ı aı yets			RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d)	Targ	. Coord. Corrections				
		(14) NGC	C-4303	RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d) Equinox: J2000						
Eivod To	ואבת	(14) NGC	C-4303 Object was generated XY	RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d)						
	ואבת	(14) NGC Comments: This of Category=GALA.	C-4303 Object was generated XY	RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d) Equinox: J2000						Orbit
	ואבת	(14) NGC Comments: This of Category=GALA. Description=[SP	C-4303 Object was generated XY IRAL]	RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture WFC3/UVIS, ACCUM,	m the SIMBAD data	abase.	V=9	Groups Pattern 1, Exps 1-1 i	Reference Frame: SIMBAD	Orbit
	LIVED	(14) NGC Comments: This of Category=GALA. Description=[SP	C-4303 Object was generated XY IRAL] Target	RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture	m the SIMBAD date Spectral Els.	abase. Opt. Params.	V=9	O.65 Groups	Reference Frame: SIMBAD Exp. Time (Total)/[Actual Dur.]	Orbit
	LIVED	(14) NGC Comments: This of Category=GALA. Description=[SP	C-4303 Object was generated XY IRAL] Target	RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture WFC3/UVIS, ACCUM,	m the SIMBAD date Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4303-Ha (14)	Exp. Time (Total)/[Actual Dur.] 586 Secs X 2 (2336 Secs) [==>584.0 Secs (Pattern 1, Copy 1)] [==>584.0 Secs (Pattern 1, Copy	Orbit
	LIVED	(14) NGC Comments: This of Category=GALA. Description=[SP	C-4303 Object was generated XY IRAL] Target	RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture WFC3/UVIS, ACCUM,	m the SIMBAD date Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4303-Ha (14)	Exp. Time (Total)/[Actual Dur.] 586 Secs X 2 (2336 Secs) [==>584.0 Secs (Pattern 1, Copy 1)] [==>584.0 Secs (Pattern 1, Copy 2)]	Orbit
	ואבת	(14) NGC Comments: This of Category=GALA. Description=[SP	C-4303 Object was generated XY IRAL] Target	RA: 12 21 55.3660 (185.4806917d) Dec: +04 28 28.60 (4.47461d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture WFC3/UVIS, ACCUM,	m the SIMBAD date Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4303-Ha (14)	Exp. Time (Total)/[Actual Dur.] 586 Secs X 2 (2336 Secs) [==>584.0 Secs (Pattern 1, Copy 1)] [==>584.0 Secs (Pattern 1, Copy	



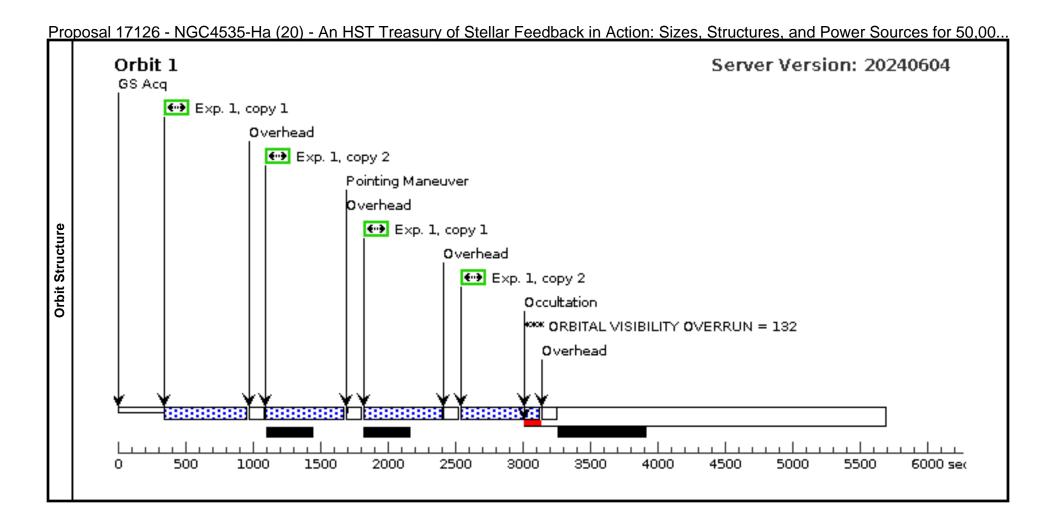
<u></u>	rop	oosal 1/12	<u> 26 - NGC432</u>	<u>1-Ha (15) - An HST Tre</u>	easury of Ste	ellar Feedback	<u>in Action: Size</u>	es, Structures, a	and Power Sources for	<u>50,00</u>
		Proposal 17126,	NGC4321-Ha (15),	completed					Tue Jun 18 19:00:32	GMT 2024
\ Yi si Y	i	Diagnostic Statu	s: Warning							
5	•	Scientific Instrun	nents: WFC3/UVIS							
	,	Special Requiren	nents: (none)							
Diagnostics	Diaginostics	(NGC4321-Ha (1	5)) Warning (Orbit P	lanner): ORBITAL VISIBILITY OVI	ERRUN					
	-	# Pri	nary Pattern			Secondary Pattern			Exposures	
ي ا	2	(1) Patt	ern Type=WFC3-UV	IS-GAP-LINE Coordinate Frame=P0	OS-TARG				(1)	
Datterns		Pur	pose=MOSAIC	Pattern Orientation=8	35.759					
1 ‡		Nur	nber Of Points=2	Angle Between Sides	;=					
۵	-	Poir	nt Spacing=2.414	Center Pattern=true						
		Line	e Spacing=							
۷	5	# Nan	•	T						
٥		π 1 1411	ie	Target Coordinates	Targ	. Coord. Corrections	Flu	xes	Miscellaneous	
	3		C-4321	RA: 12 22 54.5923 (185.7274679d)		. Coord. Corrections	V=9		Miscellaneous Reference Frame: SIMBAD	
2	alge					. Coord. Corrections				
	5	(15) NGO	C-4321	RA: 12 22 54.5923 (185.7274679d) Dec: +15 49 18.22 (15.82173d) Equinox: J2000						
Fixed Tar	יאכם ל	(15) NGO	C-4321 object was generated XY	RA: 12 22 54.5923 (185.7274679d) Dec: +15 49 18.22 (15.82173d)						
	יאכם ל	(15) NGC Comments: This Category=GALA	C-4321 object was generated XY	RA: 12 22 54.5923 (185.7274679d) Dec: +15 49 18.22 (15.82173d) Equinox: J2000						Orbit
	יאכם ל	(15) NGC Comments: This Category=GALA Description=[SP	C-4321 object was generated XY IRAL]	RA: 12 22 54.5923 (185.7274679d) Dec: +15 49 18.22 (15.82173d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture WFC3/UVIS, ACCUM,	om the SIMBAD date	abase.	V=9	Groups Pattern 1, Exps 1-1 i	Reference Frame: SIMBAD	Orbit
Fixed	- <u>-</u>	(15) NGC Comments: This Category=GALA Description=[SP	C-4321 object was generated XY IRAL] Target	RA: 12 22 54.5923 (185.7274679d) Dec: +15 49 18.22 (15.82173d) Equinox: J2000 by the targetselector and retrieved fro	om the SIMBAD date Spectral Els.	abase. Opt. Params.	V=9	Groups	Reference Frame: SIMBAD Exp. Time (Total)/[Actual Dur.]	Orbit
Fixed	- <u>-</u>	(15) NGC Comments: This Category=GALA Description=[SP	C-4321 object was generated XY IRAL] Target	RA: 12 22 54.5923 (185.7274679d) Dec: +15 49 18.22 (15.82173d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture WFC3/UVIS, ACCUM,	om the SIMBAD date Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4321-Ha (15)	Exp. Time (Total)/[Actual Dur.] 590 Secs X 2 (2348 Secs) [==>587.0 Secs (Pattern 1, Copy 1)] [==>587.0 Secs (Pattern 1, Copy	Orbit
Fixed	- <u>-</u>	(15) NGC Comments: This Category=GALA Description=[SP	C-4321 object was generated XY IRAL] Target	RA: 12 22 54.5923 (185.7274679d) Dec: +15 49 18.22 (15.82173d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture WFC3/UVIS, ACCUM,	om the SIMBAD date Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4321-Ha (15)	Exp. Time (Total)/[Actual Dur.] 590 Secs X 2 (2348 Secs) [==>587.0 Secs (Pattern 1, Copy 1)] [==>587.0 Secs (Pattern 1, Copy 2)]	Orbit [1]
	- <u>-</u>	(15) NGC Comments: This Category=GALA Description=[SP	C-4321 object was generated XY IRAL] Target	RA: 12 22 54.5923 (185.7274679d) Dec: +15 49 18.22 (15.82173d) Equinox: J2000 by the targetselector and retrieved fro Config,Mode,Aperture WFC3/UVIS, ACCUM,	om the SIMBAD date Spectral Els.	abase. Opt. Params.	V=9	Groups Pattern 1, Exps 1-1 i n NGC4321-Ha (15)	Exp. Time (Total)/[Actual Dur.] 590 Secs X 2 (2348 Secs) [==>587.0 Secs (Pattern 1, Copy 1)] [==>587.0 Secs (Pattern 1, Copy	



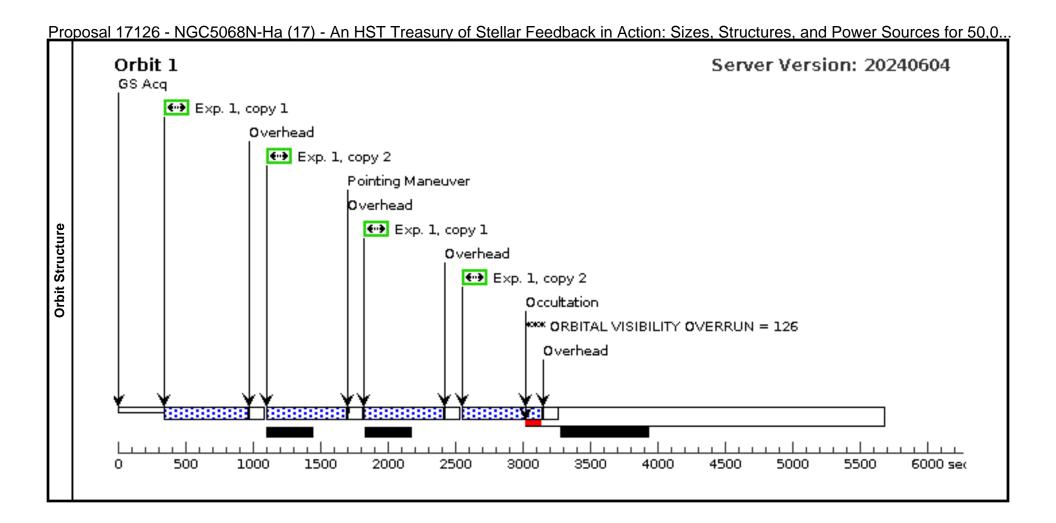
<u>P</u>	ro	oosal 17	7126 - NGC453	<u> 5-Ha (16) - An HST Treas</u>	sury of Ste	ellar Feedback	in Action: Size	es, Structures, a	and Power Sources for	50,00
Г		Proposal 17	126, NGC4535-Ha (16),	failed					Tue Jun 18 19:00:32	GMT 2024
1	VISIT	Diagnostic S	Status: Warning							
ŀ	>	Scientific In	struments: WFC3/UVIS							
L		Special Requ	uirements: ORIENT 280I	O TO 320 D						
;	Diagnostics	(NGC4535-1	Ha (16)) Warning (Orbit	Planner): ORBITAL VISIBILITY OVERI	RUN					
l	Ö									
I,	71ag									
F	_	#	Primary Pattern			Secondary Pattern			Exposures	
ı	- 1	(1)	* * * * * * * * * * * * * * * * * * *	VIS-GAP-LINE Coordinate Frame=POS-	TARG	Secondary Fattern			(1)	
ı	Patterns	(-)	Purpose=MOSAIC	Pattern Orientation=85.7						
T:	≝		Number Of Points=2	Angle Between Sides=						
1	5		Point Spacing=2.414	Center Pattern=true						
ı			Line Spacing=							
Г	S	#	Name	Target Coordinates	Targ	g. Coord. Corrections	Flux	xes	Miscellaneous	
ľ	largets	(16)	NGC-4535	RA: 12 34 20.3800 (188.5849167d)			V=1	10.00	Reference Frame: SIMBAD	
Ι.	a			Dec: +08 11 52.00 (8.19778d)						
				Equinox: J2000						
li		Comments: ' Category=G Description:	FALAXY	d by the targetselector and retrieved from	the SIMBAD dat	tabase.				
Γ		# Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
ı		1	(16) NGC-4535	WFC3/UVIS, ACCUM, UVIS-FIX	F657N	FLASH=17		Pattern 1, Exps 1-1 i	587 Secs X 2 (2340 Secs)	
l	exposures							n NGC4535-Ha (16) (1)	[==>585.0 Secs (Pattern 1, Copy 1)]	
	SOC								[==>585.0 Secs (Pattern 1, Copy 2)]	
١,	EX								[==>585.0 Secs (Pattern 2, Copy	[1]
ı									[1)] [==>585.0 Secs (Pattern 2, Copy	



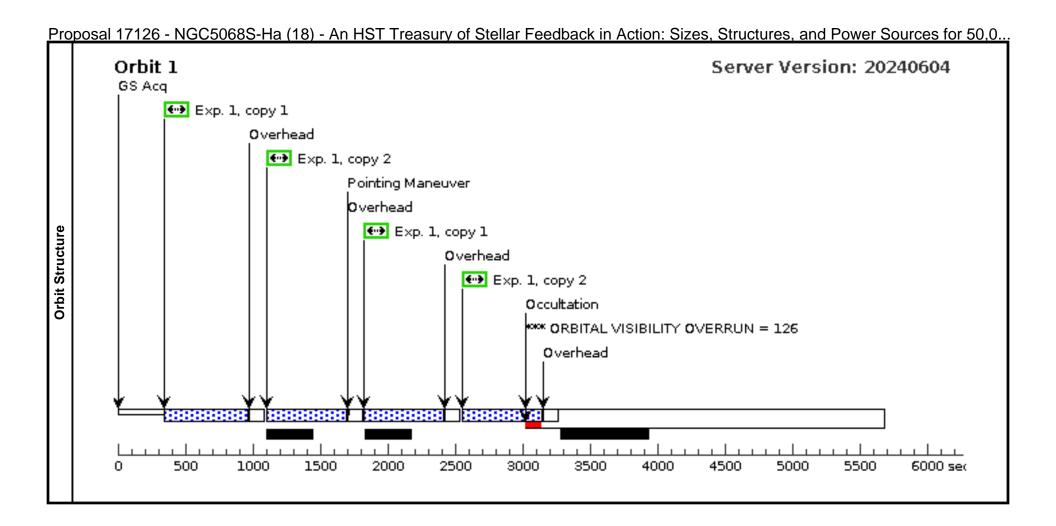
<u> </u>	ΙU	oosai 1 <i>i</i>	<u> 126 - NGC453</u>	<u>5-Ha (20) - An HST Treas</u>	sury of Ste	<u>ellar Feedback</u>	<u>in Action: Size</u>	<u>es, Structures, a</u>	and Power Sources for	<u>50,00</u>
		Proposal 17	126, NGC4535-Ha (20),	completed					Tue Jun 18 19:00:32	GMT 2024
ŀ	VISIT	Diagnostic S	Status: Warning							
5	>	Scientific Ins	struments: WFC3/UVIS							
L		Special Requ	irements: ORIENT 280D	TO 320 D						
	Diagnostics	(NGC4535-I	Ha (20)) Warning (Orbit F	Planner): ORBITAL VISIBILITY OVERI	RUN					
2	-					I			I_	
L	- 1	#	Primary Pattern			Secondary Pattern			Exposures	
	Patterns	(1)	• • •	VIS-GAP-LINE Coordinate Frame=POS-					(1)	
	ē		Purpose=MOSAIC	Pattern Orientation=85.7	59					
	<u>a</u>		Number Of Points=2	Angle Between Sides=						
ľ	-		Point Spacing=2.414	Center Pattern=true						
H			Line Spacing=							
	_	ш	NT.	To an A. Comp. Providence	TT.	C 1 C 4	E		Maria	
	ets		Name	Target Coordinates	Targ	g. Coord. Corrections	Flux		Miscellaneous	
	rgets		Name NGC-4535	RA: 12 34 20.3800 (188.5849167d)	Targ	g. Coord. Corrections		xes 10.00	Miscellaneous Reference Frame: SIMBAD	
	largets			RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d)	Targ	g. Coord. Corrections				
		(16)	NGC-4535	RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d) Equinox: J2000						
	-Ixea	(16)	NGC-4535 This object was generated ALAXY	RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d)						
	-Ixea	(16) Comments: Total Category = G	NGC-4535 This object was generated ALAXY	RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d) Equinox: J2000 by the targetselector and retrieved from a Config, Mode, Aperture	the SIMBAD da Spectral Els.			0.00 Groups		Orbit
	-Ixea	(16) Comments: T Category=G Description=	NGC-4535 This object was generated ALAXY =[SPIRAL]	RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d) Equinox: J2000 by the targetselector and retrieved from	the SIMBAD da Spectral Els.	tabase.	V=1	Groups Pattern 1, Exps 1-1 i	Reference Frame: SIMBAD	Orbit
	rixed	(16) Comments: T Category=G Description=	NGC-4535 This object was generated ALAXY =[SPIRAL] Target	RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d) Equinox: J2000 by the targetselector and retrieved from a Config, Mode, Aperture	the SIMBAD da Spectral Els.	tabase. Opt. Params.	V=1	0.00 Groups	Reference Frame: SIMBAD Exp. Time (Total)/[Actual Dur.]	Orbit
-	rixed	(16) Comments: T Category=G Description=	NGC-4535 This object was generated ALAXY =[SPIRAL] Target	RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d) Equinox: J2000 by the targetselector and retrieved from a Config, Mode, Aperture	the SIMBAD da Spectral Els.	tabase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC4535-Ha (20)	Exp. Time (Total)/[Actual Dur.] 587 Secs X 2 (2340 Secs) [==>585.0 Secs (Pattern 1, Copy 1)] [==>585.0 Secs (Pattern 1, Copy	Orbit
	rixed	(16) Comments: T Category=G Description=	NGC-4535 This object was generated ALAXY =[SPIRAL] Target	RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d) Equinox: J2000 by the targetselector and retrieved from a Config, Mode, Aperture	the SIMBAD da Spectral Els.	tabase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC4535-Ha (20)	Exp. Time (Total)/[Actual Dur.] 587 Secs X 2 (2340 Secs) [==>585.0 Secs (Pattern 1, Copy 1)] [==>585.0 Secs (Pattern 1, Copy 2)]	Orbit
-	-Ixea	(16) Comments: T Category=G Description=	NGC-4535 This object was generated ALAXY =[SPIRAL] Target	RA: 12 34 20.3800 (188.5849167d) Dec: +08 11 52.00 (8.19778d) Equinox: J2000 by the targetselector and retrieved from a Config, Mode, Aperture	the SIMBAD da Spectral Els.	tabase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC4535-Ha (20)	Exp. Time (Total)/[Actual Dur.] 587 Secs X 2 (2340 Secs) [==>585.0 Secs (Pattern 1, Copy 1)] [==>585.0 Secs (Pattern 1, Copy	



<u>Pr</u>	opo	sal 1712	26 - NGC5068	N-Ha (17) - An HST T	reasury of S	tellar Feedbacl	cin Action: Siz	zes, Structures	and Power Sources fo	or 50,0
		posal 17126,	, NGC5068N-Ha (17),	completed					Tue Jun 18 19:00:32	GMT 2024
Visit	Dia	gnostic Stati	us: Warning							
	Scie	entific Instrur	nents: WFC3/UVIS							
	Spe	cial Requirer	nents: ORIENT 46D T	O 52 D						
Diagnostics	(NC	GC5068N-Ha	(17)) Warning (Orbit I	Planner): ORBITAL VISIBILITY OV	/ERRUN					
ı	#	Pri	mary Pattern			Secondary Pattern			Exposures	
S	(1)	Pat	tern Type=WFC3-UVI	S-GAP-LINE Coordinate Frame=PC	OS-TARG				(1)	
9	5	Pur	pose=MOSAIC	Pattern Orientation=8	5.759					
Patterns	i	Nu	mber Of Points=2	Angle Between Sides	=					
I٩	-	Poi	nt Spacing=2.414	Center Pattern=true						
┕		Lin	e Spacing=							
\$	9 #	Nan	ne	Target Coordinates	Targ	. Coord. Corrections	Flux	tes	Miscellaneous	
Targets	(17)) NG	C-5068-N	RA: 13 18 49.6059 (199.7066913d)			V=1	0.01	Reference Frame: SIMBAD	
<u> </u>	3			Dec: -21 01 24.85 (-21.02357d)						
				Equinox: J2000						
Fixed	Con Cat Des	mments: This tegory=GALA scription=[SI	XXY	y the targetselector and retrieved fro	om the SIMBAD dat	abase.				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
ı	1		(17) NGC-5068-N	WFC3/UVIS, ACCUM,	F658N	FLASH=18		Pattern 1, Exps 1-1 i	590 Secs X 2 (2352 Secs)	
Exposures	3			UVIS-CENTER				n NGC5068Ñ-Ha (1 7) (1)	[==>588.0 Secs (Pattern 1, Copy 1)]	
	3								[==>588.0 Secs (Pattern 1, Copy 2)]	
º	2								[==>588.0 Secs (Pattern 2, Copy]	[1]
١٣	'								[==>388.0 Secs (Fattern 2, Copy [1)]	
1									[==>588.0 Secs (Pattern 2, Copy	



<u>Pr</u>	oposal 1	17126 - NGC506	8S-Ha (18) - An HST Tr	easury of S	Stellar Feedback	k in Action: Siz	zes, Structures,	and Power Sources fo	r 50,0
		17126, NGC5068S-Ha (18)	, completed					Tue Jun 18 19:00:32	GMT 2024
Visit	Diagnosti	Status: Warning							
	Scientific	Instruments: WFC3/UVIS							
	Special Re	quirements: ORIENT 46D	ГО 52 D						
Diagnostics	(NGC5068	SS-Ha (18)) Warning (Orbit	Planner): ORBITAL VISIBILITY OV	ERRUN					
	#	Primary Pattern			Secondary Pattern			Exposures	
S	(1)	Pattern Type=WFC3-UV	IS-GAP-LINE Coordinate Frame=PC	S-TARG				(1)	
ē		Purpose=MOSAIC	Pattern Orientation=8:	5.759					
Patterns		Number Of Points=2	Angle Between Sides	=					
I٩		Point Spacing=2.414	Center Pattern=true						
		Line Spacing=							
l si	#	Name	Target Coordinates	Targ	g. Coord. Corrections	Flux		Miscellaneous	
Targets	(18)	NGC-5068-S	RA: 13 18 54.0043 (199.7250179d)			V=1	0.01	Reference Frame: Simbad	
<u> </u>			Dec: -21 03 10.49 (-21.05291d)						
وّ ا			Equinox: J2000						
Fixed	Comments Category= Descriptio								
	# Labo	el Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(18) NGC-5068-S		F658N	FLASH=18		Pattern 1, Exps 1-1 i	590 Secs X 2 (2352 Secs)	
Exposures			UVIS-CENTER					[==>588.0 Secs (Pattern 1, Copy [1)]	
lso								[==>588.0 Secs (Pattern 1, Copy 2)]	
°×	-							**	[1]
I۳								[==>588.0 Secs (Pattern 2, Copy 1)]	
								f==>588.0 Secs (Pattern 2, Copy 2)1	



<u> </u>	ΙU	<u>oosal 171</u>	<u> 26 - NGC749</u>	<u>6-Ha (19) - An HST Trea</u> s	sury of Ste	<u>ellar Feedback i</u>	<u>in Action: Size</u>	es, Structures, a	and Power Sources for	<u>50,00</u>
Г		Proposal 1712	6, NGC7496-Ha (19),	completed					Tue Jun 18 19:00:32	GMT 2024
7:0:2	5	Diagnostic Status: Warning								
	>	Scientific Instruments: WFC3/UVIS								
Special Requirements: ORIENT 332D TO 338 D										
0014000	Diagnostics	NGC7496-Ha (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN								
2	-								I	
ı	ŀ	*			Secondary Pattern			Exposures		
	ratterns	Form Spacing 2.414 Center Fattern—duc						(1)		
Į	ב									
ا ا	ם ש									
ľ	-									
y d		L	ine Spacing=							
				m	TEN.				3.51 33	
	# H		ame	Target Coordinates	Targ	g. Coord. Corrections	Flux		Miscellaneous	
1	na6 i		nme GC-7496	RA: 23 09 47.3858 (347.4474408d)	Targ	g. Coord. Corrections	Flux V=1		Miscellaneous Reference Frame: SIMBAD	
	ıaıyeıs			RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d)	Targ	g. Coord. Corrections				
		(19) NO	GC-7496	RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d) Equinox: J2000						
T Poxia	nayı.	(19) NO	GC-7496 is object was generated AXY	RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d)						
	nayı.	(19) No Comments: The Category=GAI	GC-7496 is object was generated AXY	RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d) Equinox: J2000 by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD da Spectral Els.					Orbit
	nayı.	(19) No Comments: Th Category=GAI Description=[3]	GC-7496 s object was generated AXY SPIRAL]	RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d) Equinox: J2000 by the targetselector and retrieved from	the SIMBAD da Spectral Els.	tabase.	V=1	Groups Pattern 1, Exps 1-1 i	Reference Frame: SIMBAD	Orbit
	naviJ	(19) No Comments: Th Category=GAI Description=[3]	GC-7496 is object was generated AXY SPIRAL] Target	RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d) Equinox: J2000 by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD da Spectral Els.	tabase. Opt. Params.	V=1	Groups	Reference Frame: SIMBAD Exp. Time (Total)/[Actual Dur.]	Orbit
	naviJ	(19) No Comments: Th Category=GAI Description=[3]	GC-7496 is object was generated AXY SPIRAL] Target	RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d) Equinox: J2000 by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD da Spectral Els.	tabase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC7496-Ha (19)	Exp. Time (Total)/[Actual Dur.] 610 Secs X 2 (2432 Secs) [==>608.0 Secs (Pattern 1, Copy 1)] [==>608.0 Secs (Pattern 1, Copy	Orbit
	naviJ	(19) No Comments: Th Category=GAI Description=[3]	GC-7496 is object was generated AXY SPIRAL] Target	RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d) Equinox: J2000 by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD da Spectral Els.	tabase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC7496-Ha (19)	Exp. Time (Total)/[Actual Dur.] 610 Secs X 2 (2432 Secs) [==>608.0 Secs (Pattern 1, Copy 1)] [==>608.0 Secs (Pattern 1, Copy 2)]	Orbit [1]
	nayı.	(19) No Comments: Th Category=GAI Description=[3]	GC-7496 is object was generated AXY SPIRAL] Target	RA: 23 09 47.3858 (347.4474408d) Dec: -43 25 30.19 (-43.42505d) Equinox: J2000 by the targetselector and retrieved from Config,Mode,Aperture	the SIMBAD da Spectral Els.	tabase. Opt. Params.	V=1	Groups Pattern 1, Exps 1-1 i n NGC7496-Ha (19)	Exp. Time (Total)/[Actual Dur.] 610 Secs X 2 (2432 Secs) [==>608.0 Secs (Pattern 1, Copy 1)] [==>608.0 Secs (Pattern 1, Copy	

