



## 17077 - The 25,000-Lightcurve HST-Kepler Treasury Survey

Cycle: 30, Proposal Category: GO

(Treasury)

(Availability Mode: SUPPORTED)

### INVESTIGATORS

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### VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
12	(1) NGC-6791	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:33.0	yes
13	(1) NGC-6791	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:34.0	yes
53	(1) NGC-6791	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:35.0	yes
14	(1) NGC-6791	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:36.0	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>
15	(1) NGC-6791	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:38.0	yes
16	(2) NGC-6819	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:39.0	yes
17	(2) NGC-6819	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:40.0	yes
18	(2) NGC-6819	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:41.0	yes
19	(2) NGC-6819	ACS/WFC WFC3/UVIS	1	30-Sep-2022 12:01:42.0	yes

9 Total Orbits Used

### **ABSTRACT**

In the Kepler database lies an important and yet unexplored opportunity. The two "super-apertures" centered on the star clusters: NGC 6791 and NGC 6819 - each containing several thousands stars - have been monitored almost continuously for over 4 yrs. If their stellar populations could be disentangled, then these Kepler datasets would be of groundbreaking importance to assess planet occurrence rates in two uniquely large groups of homogeneous and coeval stars.

We propose to obtain high-resolution HST images within these two super-aperture fields and use a well tested method (already proved successful) to combine Kepler lightcurves with HST source information. The unmatched HST image quality will provide a homogeneous, complete, and color-complete input list which will enable extracting Kepler light curves of all the objects. Furthermore, HST allows us to obtain proper motions linked to the Gaia system and membership for all these stars.

The combined data will provide about 25,000 lightcurves - increasing the total Kepler sample by 15%! Based on the latest planet occurrence rates we expect to find over 70 transiting planets -- ~40 in the solar-metallicity NGC 6819, and about 30-50 in the super-solar metallicity NGC 6791.

Our program will greatly enhance the Kepler mission's yield, boost the number of known transiting planets, and will allow a direct test of the planet occurrence rate-metallicity relationship in uniquely homogeneous and well-characterized samples. The proposed data will also enable many other

Proposal 17077 (STScI Edit Number: 0, Created: Friday, September 30, 2022 at 11:01:43 AM Eastern Standard Time) - Overview investigations, enhancing the legacy and the scientific impact of both the HST and the Kepler missions, and target selections for future JWST and ARIEL follow-ups.

## **OBSERVING DESCRIPTION**

This is first epoch of a multi-epoch astrometry and photometric proposal.

The targets are two open clusters, and on each a mosaic of 2x2 ACSWFC fields will be collected.

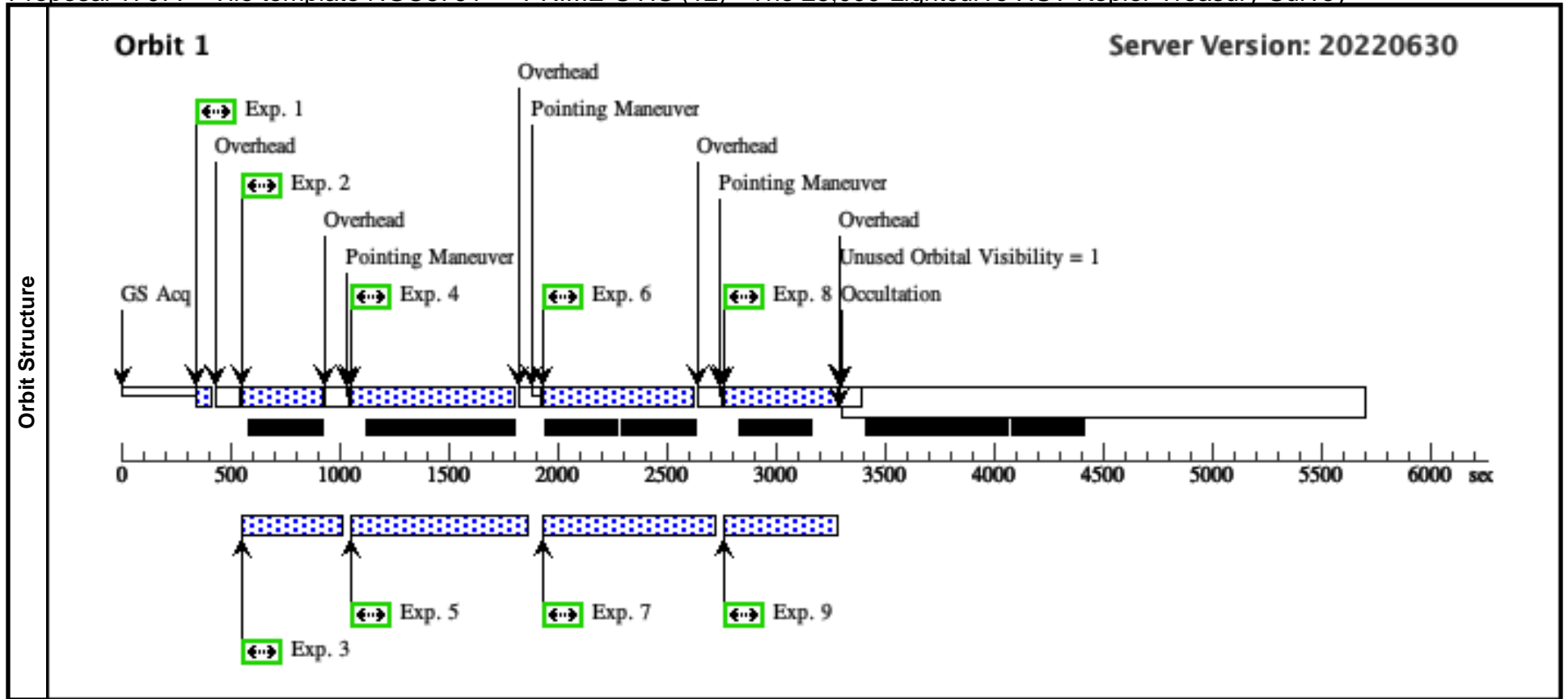
As we will cover as much as possible of the FoV with both ACS/WFC and WFC3/UVIS it does not matter which is the primary of the two. Somehow, letting WFC3 as primary, allowed us to put more suitable images for our purposes.

In the case of NGC 6819, we try to overlap as much as possible archival images from GO-11688 and GO-12669 as this will maximize proper motions useful for field-cluster separation.

Proposal 17077 - Tile template NGC6791 --- PRIME-UVIS (12) - The 25,000-Lightcurve HST-Kepler Treasury Survey

Fri Sep 30 16:01:43 GMT 2022

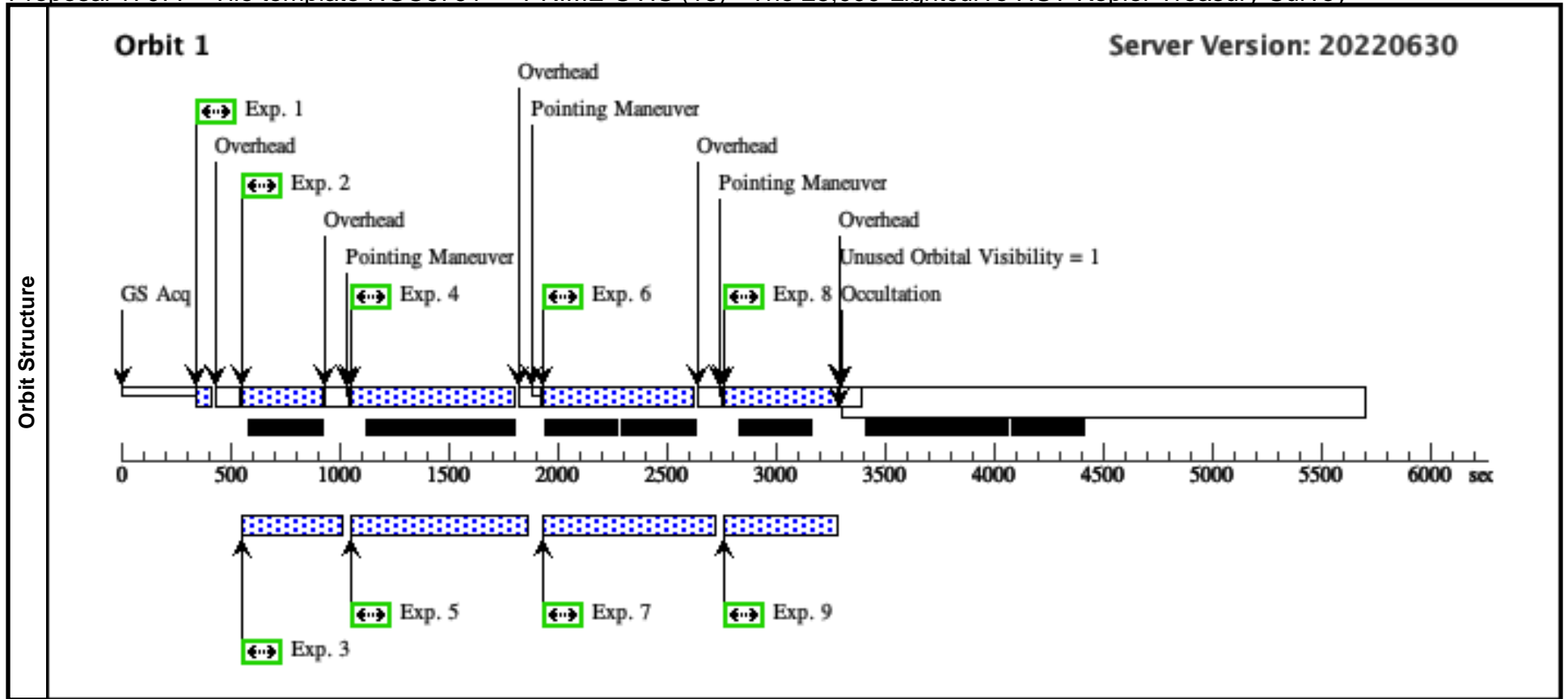
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(1)	NGC-6791	RA: 19 20 53.0000 (290.2208333d) Dec: +37 46 42.00 (37.77833d) Equinox: J2000	Proper Motion RA: -3.5510042891324055E-5 sec of time/yr Proper Motion Dec: -0.002269000015076017 arcsec/yr Epoch of Position: 2015.5		V=9.5	Reference Frame: SIMBAD			
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STELLAR CLUSTER Description=[OPEN CLUSTER] Extended=YES										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-6791	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP	FLASH=14	POS TARG -95.554 87747622576,-101.3 79823084808		40 Secs (40 Secs) [==>]	[1]
	2	(1) NGC-6791	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=9	POS TARG -95.554 87747622576,-101.3 79823084808	Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (12)	348 Secs (348 Secs) [==>]	[1]
	3	(1) NGC-6791	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (12)	258 Secs (258 Secs) [==>]	[1]
	4	(1) NGC-6791	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG -91.554 87747622576,-97.37 9823084808	Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (12)	729 Secs (729 Secs) [==>]	[1]
	5	(1) NGC-6791	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (12)	635 Secs (635 Secs) [==>]	[1]
	6	(1) NGC-6791	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG -45.554 877476225755,-51.3 79823084807995	Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (12)	697 Secs (697 Secs) [==>]	[1]
	7	(1) NGC-6791	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (12)	666 Secs (666 Secs) [==>]	[1]
	8	(1) NGC-6791	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -41.554 877476225755,-47.3 79823084807995	Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (12)	496 Secs (496 Secs) [==>]	[1]
	9	(1) NGC-6791	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (12)	338 Secs (338 Secs) [==>]	[1]



Proposal 17077 - Tile template NGC6791 --- PRIME-UVIS (13) - The 25,000-Lightcurve HST-Kepler Treasury Survey

Fri Sep 30 16:01:43 GMT 2022

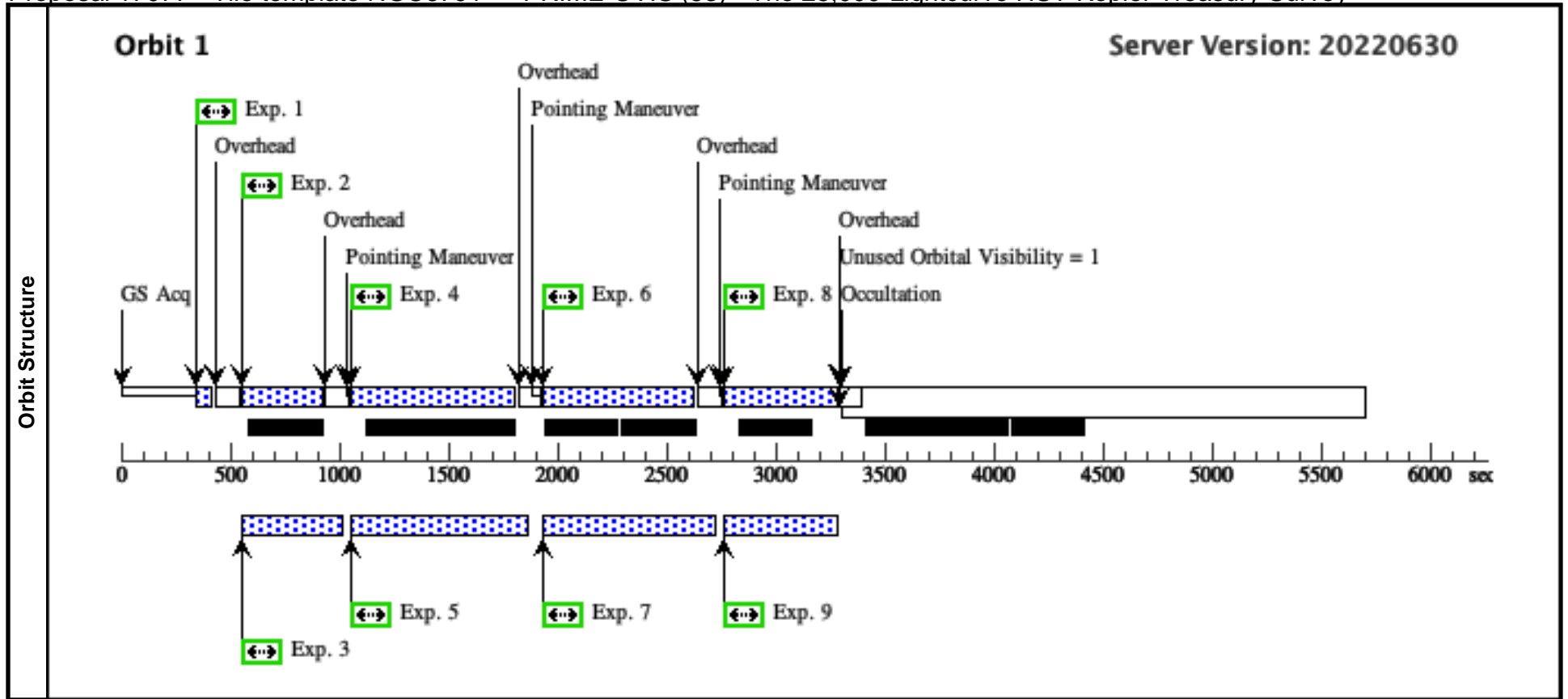
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(1)	NGC-6791	RA: 19 20 53.0000 (290.2208333d) Dec: +37 46 42.00 (37.77833d) Equinox: J2000	Proper Motion RA: -3.5510042891324055E-5 sec of time/yr Proper Motion Dec: -0.002269000015076017 arcsec/yr Epoch of Position: 2015.5	V=9.5	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STELLAR CLUSTER Description=[OPEN CLUSTER] Extended=YES									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP	FLASH=14	POS TARG 51.5548 77476225755,-91.09 290691519202			40 Secs (40 Secs) [==>]	[1]
	2	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=9	POS TARG 51.5548 77476225755,-91.09 290691519202	Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (13)		348 Secs (348 Secs) [==>]	[1]
	3	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (13)		258 Secs (258 Secs) [==>]	[1]
	4	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 55.5548 77476225755,-87.09 290691519202	Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (13)		729 Secs (729 Secs) [==>]	[1]
	5	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (13)		635 Secs (635 Secs) [==>]	[1]
	6	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG 101.554 87747622576,-41.09 290691519202	Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (13)		697 Secs (697 Secs) [==>]	[1]
	7	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (13)		666 Secs (666 Secs) [==>]	[1]
	8	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 105.554 87747622576,-37.09 290691519202	Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (13)		496 Secs (496 Secs) [==>]	[1]
	9	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (13)		338 Secs (338 Secs) [==>]	[1]



Proposal 17077 - Tile template NGC6791 --- PRIME-UVIS (53) - The 25,000-Lightcurve HST-Kepler Treasury Survey

Fri Sep 30 16:01:43 GMT 2022

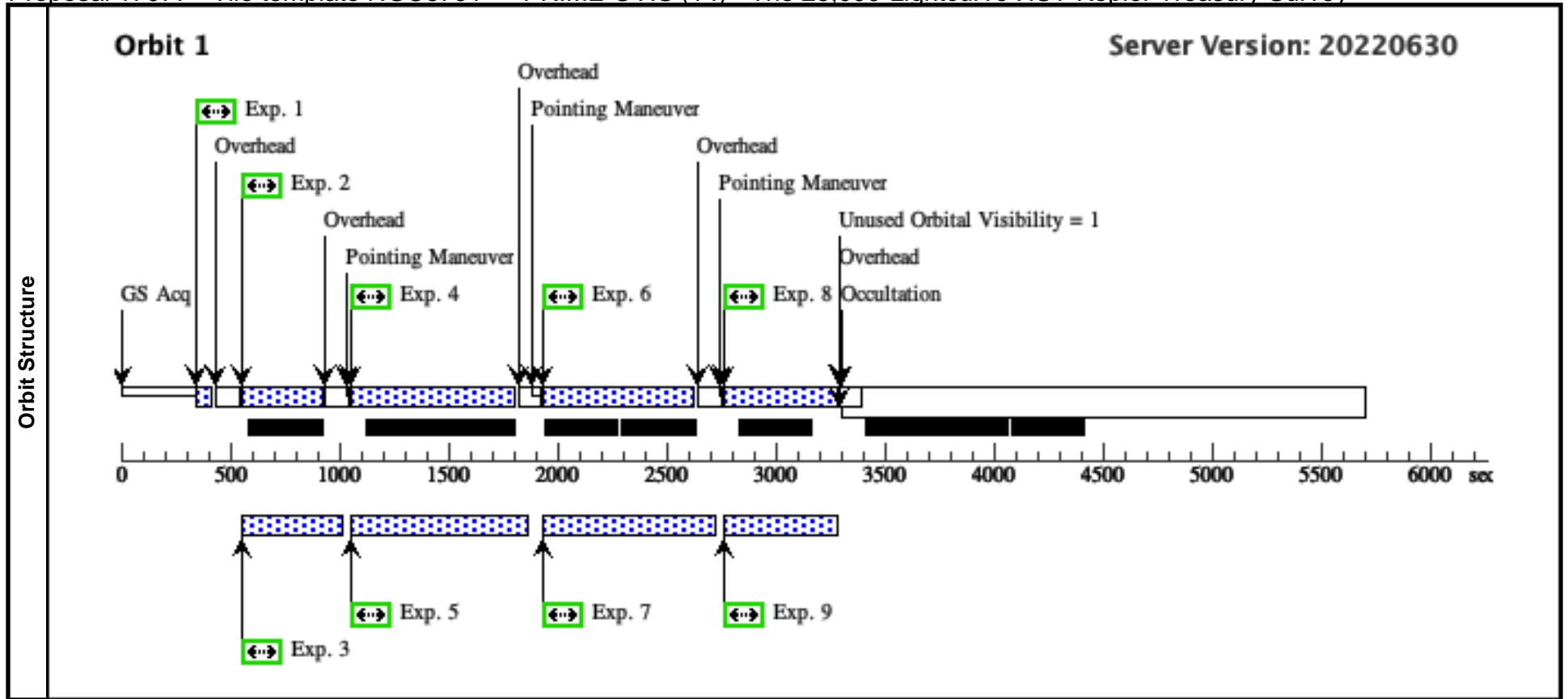
Visit	<b>Proposal 17077, Tile template NGC6791 --- PRIME-UVIS (53)</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 12; BETWEEN 14-OCT-2022:00:00:00 AND 26-OCT-2022:00:00:00; VISIBILITY INTERVAL 3300 S Comments: Repetition of failed visit 13																					
	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-6791</td> <td>RA: 19 20 53.0000 (290.2208333d) Dec: +37 46 42.00 (37.77833d) Equinox: J2000</td> <td>Proper Motion RA: -3.5510042891324055E-5 sec of time/yr Proper Motion Dec: -0.002269000015076017 arcsec/yr Epoch of Position: 2015.5</td> <td>V=9.5</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table> <p>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.                      Category=STELLAR CLUSTER                      Description=[OPEN CLUSTER]                      Extended=YES</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	NGC-6791	RA: 19 20 53.0000 (290.2208333d) Dec: +37 46 42.00 (37.77833d) Equinox: J2000	Proper Motion RA: -3.5510042891324055E-5 sec of time/yr Proper Motion Dec: -0.002269000015076017 arcsec/yr Epoch of Position: 2015.5	V=9.5
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit												
	1	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP	FLASH=14	POS TARG 51.5548 77476225755,-91.09 290691519202			40 Secs (40 Secs) [==>]	[1]												
	2	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=9	POS TARG 51.5548 77476225755,-91.09 290691519202	Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (53)		348 Secs (348 Secs) [==>]	[1]												
	3	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (53)		258 Secs (258 Secs) [==>]	[1]												
	4	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 55.5548 77476225755,-87.09 290691519202	Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (53)		729 Secs (729 Secs) [==>]	[1]												
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	6	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG 101.554 87747622576,-41.09 290691519202	Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (53)		697 Secs (697 Secs) [==>]	[1]												
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	8	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 105.554 87747622576,-37.09 290691519202	Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (53)		496 Secs (496 Secs) [==>]	[1]												
	9	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (53)		338 Secs (338 Secs) [==>]	[1]												



Proposal 17077 - Tile template NGC6791 --- PRIME-UVIS (14) - The 25,000-Lightcurve HST-Kepler Treasury Survey

Fri Sep 30 16:01:43 GMT 2022

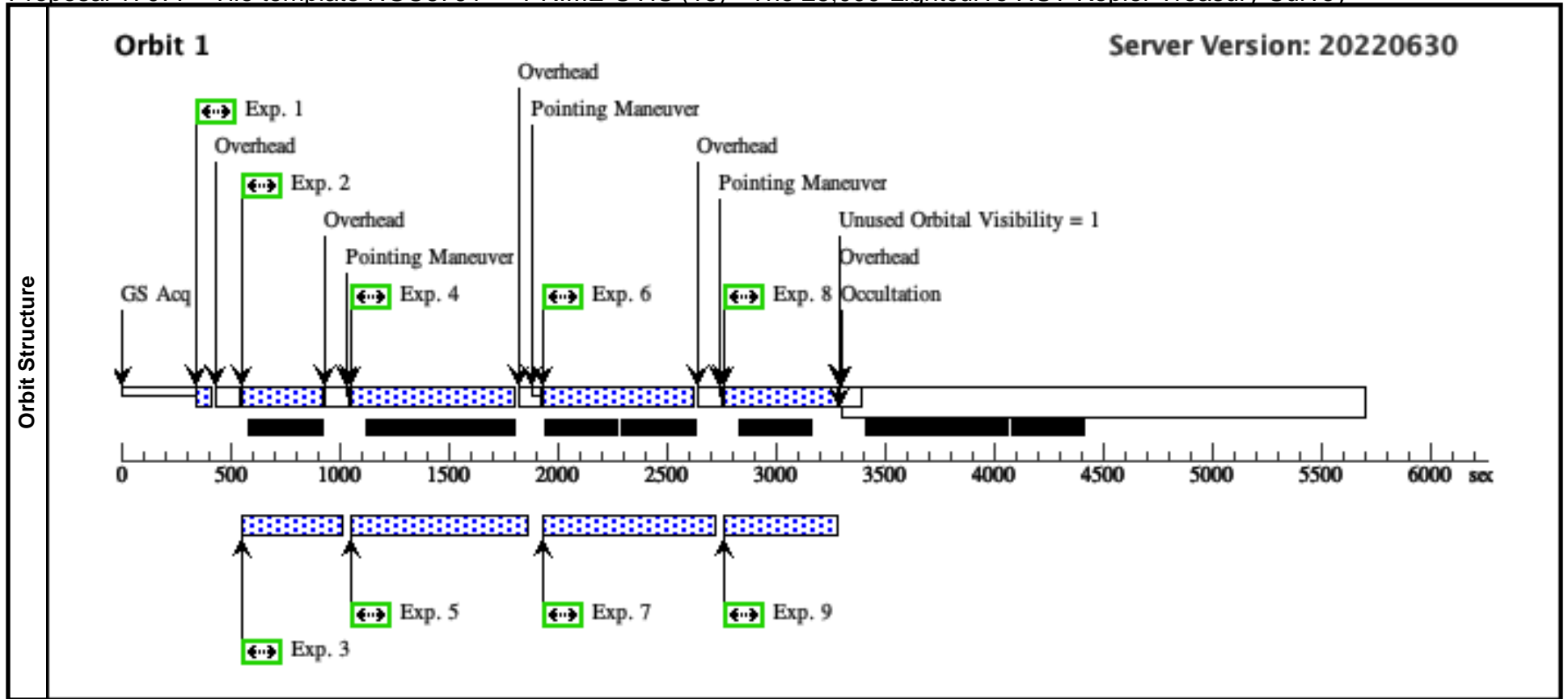
Visit	Proposal 17077, Tile template NGC6791 --- PRIME-UVIS (14), completed									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 12; BEFORE 30-NOV-2022:00:00:00; VISIBILITY INTERVAL 3300 S									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
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	3	(1) NGC-6791	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (14)	258 Secs (258 Secs) [==>]	[1]
	4	(1) NGC-6791	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG -91.554 87747622576,51.092 90691519202	Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (14)	729 Secs (729 Secs) [==>]	[1]
	5	(1) NGC-6791	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (14)	635 Secs (635 Secs) [==>]	[1]
	6	(1) NGC-6791	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG -45.554 877476225755,97.09 290691519202	Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (14)	697 Secs (697 Secs) [==>]	[1]
	7	(1) NGC-6791	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (14)	666 Secs (666 Secs) [==>]	[1]
	8	(1) NGC-6791	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -41.554 877476225755,101.0 9290691519202	Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (14)	496 Secs (496 Secs) [==>]	[1]
9	(1) NGC-6791	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (14)	338 Secs (338 Secs) [==>]	[1]	



Proposal 17077 - Tile template NGC6791 --- PRIME-UVIS (15) - The 25,000-Lightcurve HST-Kepler Treasury Survey

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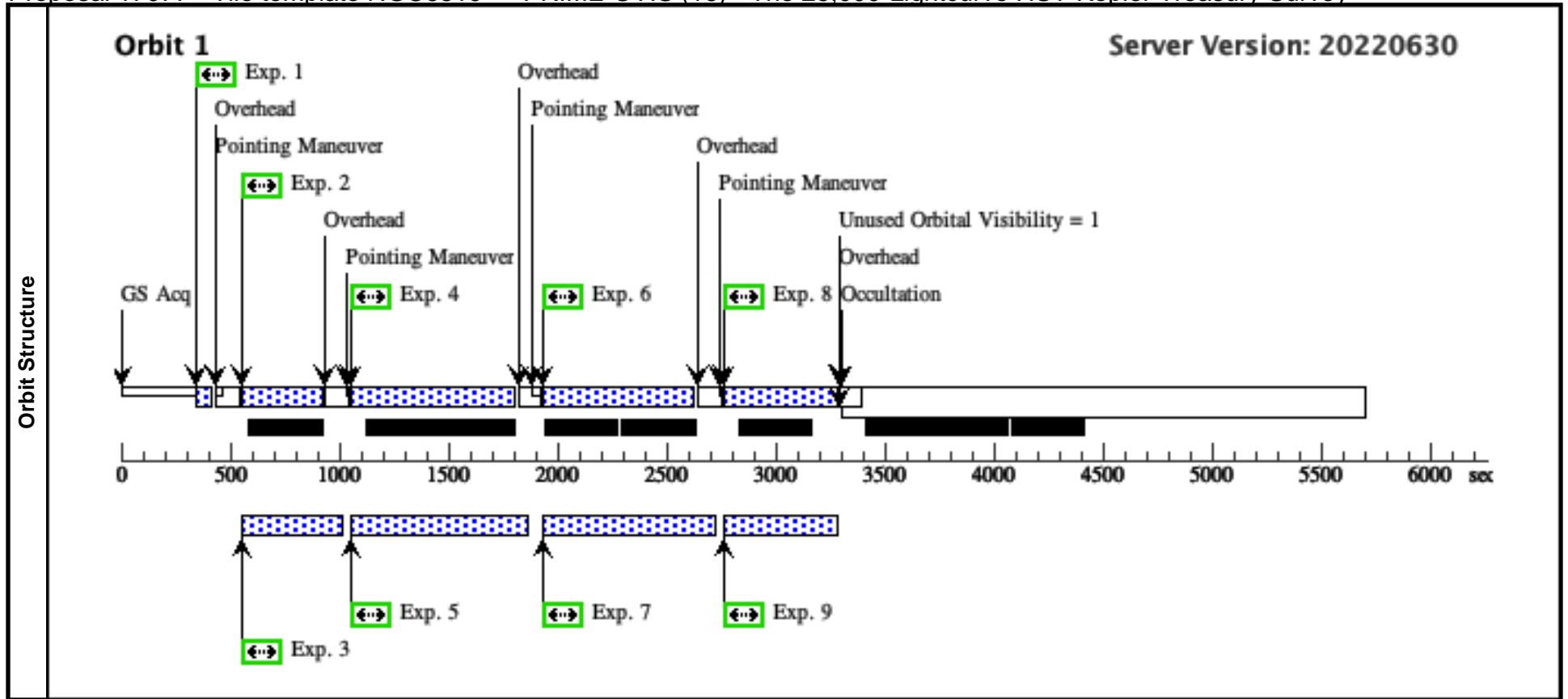
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
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	2	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=9	POS TARG 51.5548 77476225755,57.379 823084807995	Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (15)		348 Secs (348 Secs) [==>]	[1]
	3	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6791 --- PRIME-UVIS (15)		258 Secs (258 Secs) [==>]	[1]
	4	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 55.5548 77476225755,61.379 823084807995	Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (15)		729 Secs (729 Secs) [==>]	[1]
	5	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 4-5 in Tile template NGC6791 --- PRIME-UVIS (15)		635 Secs (635 Secs) [==>]	[1]
	6	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG 101.554 87747622576,107.37 9823084808	Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (15)		697 Secs (697 Secs) [==>]	[1]
	7	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-7 in Tile template NGC6791 --- PRIME-UVIS (15)		666 Secs (666 Secs) [==>]	[1]
	8	(1) NGC-6791	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 105.554 87747622576,111.37 9823084808	Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (15)		496 Secs (496 Secs) [==>]	[1]
	9	(1) NGC-6791	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6791 --- PRIME-UVIS (15)		338 Secs (338 Secs) [==>]	[1]



Proposal 17077 - Tile template NGC6819 --- PRIME-UVIS (16) - The 25,000-Lightcurve HST-Kepler Treasury Survey

Fri Sep 30 16:01:43 GMT 2022

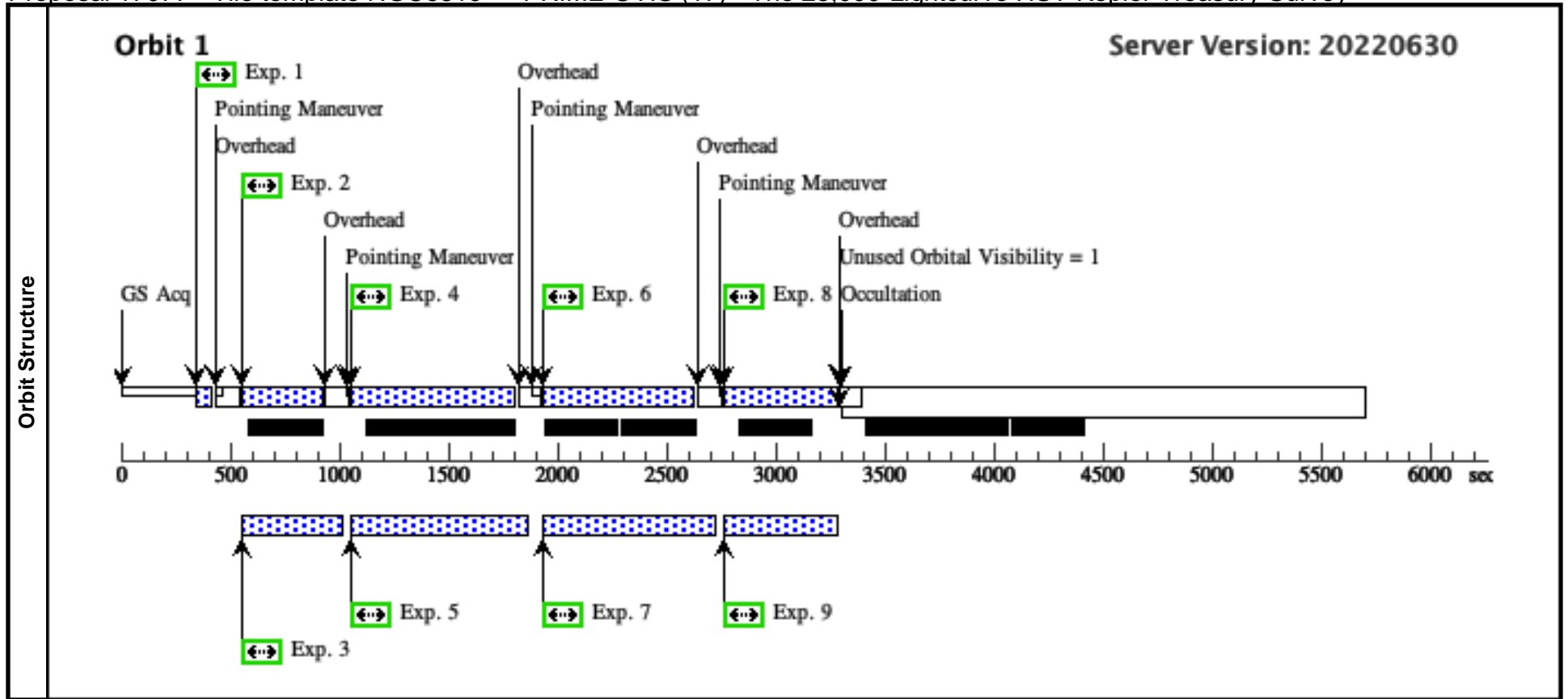
Visit	Proposal 17077, Tile template NGC6819 --- PRIME-UVIS (16), scheduling									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 79D TO 81 D; BEFORE 30-NOV-2022:00:00:00; VISIBILITY INTERVAL 3300 S									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-6819	RA: 19 41 18.1000 (295.3254167d) Dec: +40 11 12.00 (40.18667d) Equinox: J2000	Proper Motion RA: -2.544806826743376E-4 sec of time/yr Proper Motion Dec: -0.0038560000120924087 arcsec/yr Epoch of Position: 2015.5	V=7.3	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STELLAR CLUSTER Description=[OPEN CLUSTER] Extended=YES										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP	FLASH=14	POS TARG -73.554 87747622576,-79.37 9823084808		40 Secs (40 Secs) [==>]	[1]
	2	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=9	POS TARG -95.554 87747622576,-101.3 79823084808	Prime + Parallel Group 2-3 in Tile template NGC6819 --- PRIME-UVIS (16)	348 Secs (348 Secs) [==>]	[1]
	3	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6819 --- PRIME-UVIS (16)	258 Secs (258 Secs) [==>]	[1]
	4	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG -91.554 87747622576,-97.37 9823084808	Prime + Parallel Group 4-5 in Tile template NGC6819 --- PRIME-UVIS (16)	729 Secs (729 Secs) [==>]	[1]
	5	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 4-5 in Tile template NGC6819 --- PRIME-UVIS (16)	635 Secs (635 Secs) [==>]	[1]
	6	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG -45.554 877476225755,-51.3 79823084807995	Prime + Parallel Group 6-7 in Tile template NGC6819 --- PRIME-UVIS (16)	697 Secs (697 Secs) [==>]	[1]
	7	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-7 in Tile template NGC6819 --- PRIME-UVIS (16)	666 Secs (666 Secs) [==>]	[1]
	8	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -41.554 877476225755,-47.3 79823084807995	Prime + Parallel Group 8-9 in Tile template NGC6819 --- PRIME-UVIS (16)	496 Secs (496 Secs) [==>]	[1]
9	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6819 --- PRIME-UVIS (16)	338 Secs (338 Secs) [==>]	[1]	



Proposal 17077 - Tile template NGC6819 --- PRIME-UVIS (17) - The 25,000-Lightcurve HST-Kepler Treasury Survey

Fri Sep 30 16:01:43 GMT 2022

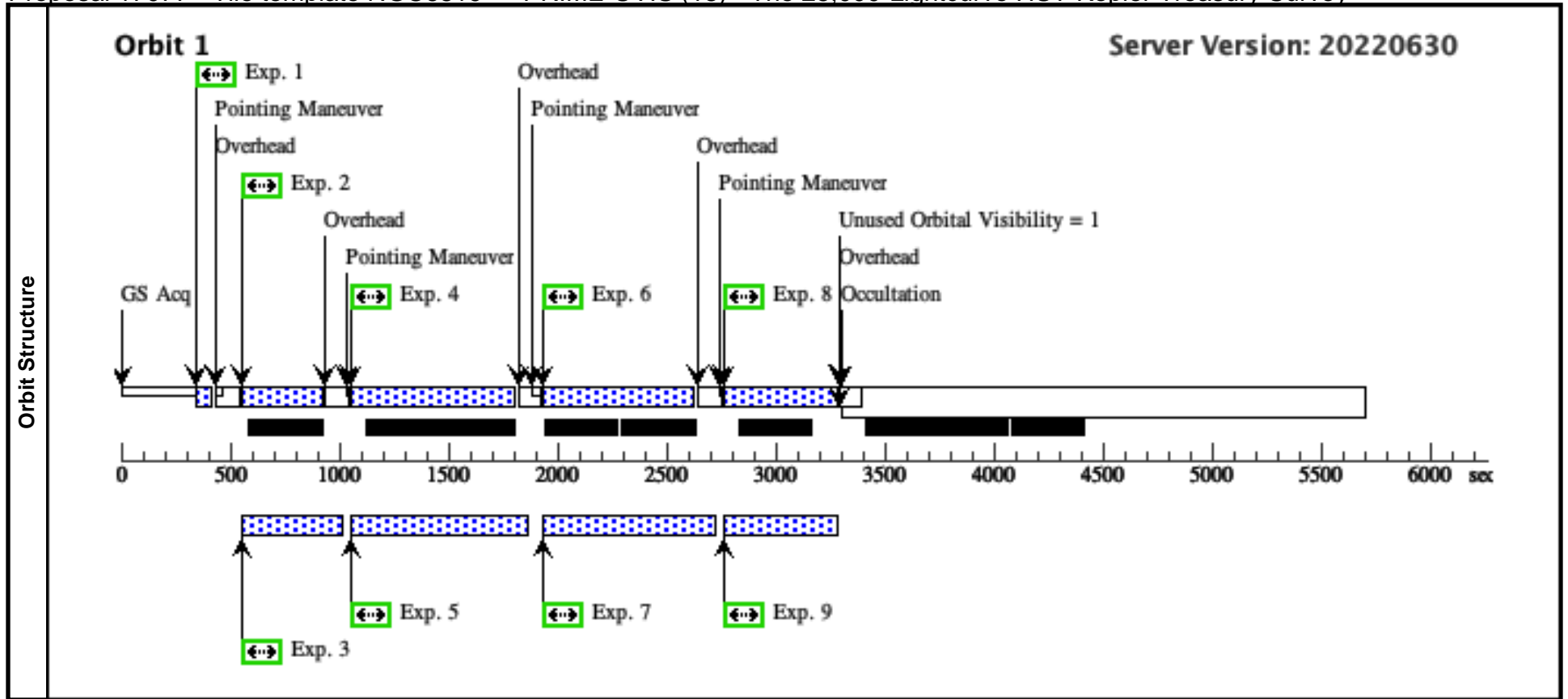
Visit	<b>Proposal 17077, Tile template NGC6819 --- PRIME-UVIS (17), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 16; BEFORE 30-NOV-2022:00:00:00; VISIBILITY INTERVAL 3300 S									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(2)	NGC-6819	RA: 19 41 18.1000 (295.3254167d) Dec: +40 11 12.00 (40.18667d) Equinox: J2000	Proper Motion RA: -2.544806826743376E-4 sec of time/yr Proper Motion Dec: - 0.0038560000120924087 arcsec/yr Epoch of Position: 2015.5	V=7.3	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STELLAR CLUSTER Description=[OPEN CLUSTER] Extended=YES									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP	FLASH=14	POS TARG 73.5548 7747622576,-69.092 90691519202		40 Secs (40 Secs) [==>]	[1]
	2	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=9	POS TARG 51.5548 77476225755,-91.09 290691519202	Prime + Parallel Group 2-3 in Tile template NGC6819 --- PRIME-UVIS (17)	348 Secs (348 Secs) [==>]	[1]
	3	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6819 --- PRIME-UVIS (17)	258 Secs (258 Secs) [==>]	[1]
	4	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 55.5548 77476225755,-87.09 290691519202	Prime + Parallel Group 4-5 in Tile template NGC6819 --- PRIME-UVIS (17)	729 Secs (729 Secs) [==>]	[1]
	5	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 4-5 in Tile template NGC6819 --- PRIME-UVIS (17)	635 Secs (635 Secs) [==>]	[1]
	6	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG 101.554 87747622576,-41.09 290691519202	Prime + Parallel Group 6-7 in Tile template NGC6819 --- PRIME-UVIS (17)	697 Secs (697 Secs) [==>]	[1]
	7	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-7 in Tile template NGC6819 --- PRIME-UVIS (17)	666 Secs (666 Secs) [==>]	[1]
	8	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 105.554 87747622576,-37.09 290691519202	Prime + Parallel Group 8-9 in Tile template NGC6819 --- PRIME-UVIS (17)	496 Secs (496 Secs) [==>]	[1]
	9	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6819 --- PRIME-UVIS (17)	338 Secs (338 Secs) [==>]	[1]



Proposal 17077 - Tile template NGC6819 --- PRIME-UVIS (18) - The 25,000-Lightcurve HST-Kepler Treasury Survey

Fri Sep 30 16:01:43 GMT 2022

Visit	Proposal 17077, Tile template NGC6819 --- PRIME-UVIS (18), scheduling									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 16; BEFORE 30-NOV-2022:00:00:00; VISIBILITY INTERVAL 3300 S									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-6819	RA: 19 41 18.1000 (295.3254167d) Dec: +40 11 12.00 (40.18667d) Equinox: J2000	Proper Motion RA: -2.544806826743376E-4 sec of time/yr Proper Motion Dec: -0.0038560000120924087 arcsec/yr Epoch of Position: 2015.5	V=7.3	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STELLAR CLUSTER Description=[OPEN CLUSTER] Extended=YES										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP	FLASH=14	POS TARG -73.554 87747622576,69.092 90691519202		40 Secs (40 Secs) [==>]	[1]
	2	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=9	POS TARG -95.554 87747622576,47.092 90691519202	Prime + Parallel Group 2-3 in Tile template NGC6819 --- PRIME-UVIS (18)	348 Secs (348 Secs) [==>]	[1]
	3	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6819 --- PRIME-UVIS (18)	258 Secs (258 Secs) [==>]	[1]
	4	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG -91.554 87747622576,51.092 90691519202	Prime + Parallel Group 4-5 in Tile template NGC6819 --- PRIME-UVIS (18)	729 Secs (729 Secs) [==>]	[1]
	5	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 4-5 in Tile template NGC6819 --- PRIME-UVIS (18)	635 Secs (635 Secs) [==>]	[1]
	6	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG -45.554 877476225755,97.09 290691519202	Prime + Parallel Group 6-7 in Tile template NGC6819 --- PRIME-UVIS (18)	697 Secs (697 Secs) [==>]	[1]
	7	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-7 in Tile template NGC6819 --- PRIME-UVIS (18)	666 Secs (666 Secs) [==>]	[1]
	8	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG -41.554 877476225755,101.0 9290691519202	Prime + Parallel Group 8-9 in Tile template NGC6819 --- PRIME-UVIS (18)	496 Secs (496 Secs) [==>]	[1]
9	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6819 --- PRIME-UVIS (18)	338 Secs (338 Secs) [==>]	[1]	



Proposal 17077 - Tile template NGC6819 --- PRIME-UVIS (19) - The 25,000-Lightcurve HST-Kepler Treasury Survey

Fri Sep 30 16:01:43 GMT 2022

Visit	<b>Proposal 17077, Tile template NGC6819 --- PRIME-UVIS (19), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 16; BEFORE 30-NOV-2022:00:00:00; VISIBILITY INTERVAL 3300 S									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(2)	NGC-6819	RA: 19 41 18.1000 (295.3254167d) Dec: +40 11 12.00 (40.18667d) Equinox: J2000	Proper Motion RA: -2.544806826743376E-4 sec of time/yr Proper Motion Dec: - 0.0038560000120924087 arcsec/yr Epoch of Position: 2015.5	V=7.3	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STELLAR CLUSTER Description=[OPEN CLUSTER] Extended=YES									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP	FLASH=14	POS TARG 73.5548 7747622576,79.3798 23084808		40 Secs (40 Secs) [==>]	[1]
	2	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=9	POS TARG 51.5548 7747622575,57.379 823084807995	Prime + Parallel Group 2-3 in Tile template NGC6819 --- PRIME-UVIS (19)	348 Secs (348 Secs) [==>]	[1]
	3	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-3 in Tile template NGC6819 --- PRIME-UVIS (19)	258 Secs (258 Secs) [==>]	[1]
	4	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F814W		POS TARG 55.5548 7747622575,61.379 823084807995	Prime + Parallel Group 4-5 in Tile template NGC6819 --- PRIME-UVIS (19)	729 Secs (729 Secs) [==>]	[1]
	5	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 4-5 in Tile template NGC6819 --- PRIME-UVIS (19)	635 Secs (635 Secs) [==>]	[1]
	6	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=8	POS TARG 101.554 87747622576,107.37 9823084808	Prime + Parallel Group 6-7 in Tile template NGC6819 --- PRIME-UVIS (19)	697 Secs (697 Secs) [==>]	[1]
	7	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 6-7 in Tile template NGC6819 --- PRIME-UVIS (19)	666 Secs (666 Secs) [==>]	[1]
	8	(2) NGC-6819		WFC3/UVIS, ACCUM, UVIS-CENTER	F606W		POS TARG 105.554 87747622576,111.37 9823084808	Prime + Parallel Group 8-9 in Tile template NGC6819 --- PRIME-UVIS (19)	496 Secs (496 Secs) [==>]	[1]
	9	(2) NGC-6819		ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-9 in Tile template NGC6819 --- PRIME-UVIS (19)	338 Secs (338 Secs) [==>]	[1]

