



16374 - ULLYSES LMC late-B Stars COS and STIS

Cycle: 28, Proposal Category: GO/DD

(Availability Mode: SUPPORTED)

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Proposal 16374 (STScI Edit Number: 2, Created: Monday, November 1, 2021 at 10:02:46 AM Eastern Standard Time) - Overview

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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>
1C	(1) SK-66D50	COS/FUV COS/NUV	2	01-Nov-2021 11:02:29.0	yes
AC	(1) SK-66D50	COS/FUV COS/NUV	2	01-Nov-2021 11:02:32.0	yes
1S	(1) SK-66D50 WAVE	STIS/CCD STIS/NUV-MAMA	1	01-Nov-2021 11:02:33.0	yes
2C	(2) SK-67D195	COS/FUV COS/NUV	4	01-Nov-2021 11:02:35.0	yes
2S	(2) SK-67D195 WAVE	STIS/CCD STIS/NUV-MAMA	1	01-Nov-2021 11:02:36.0	yes
3C	(3) SK-67D197	COS/FUV COS/NUV	3	01-Nov-2021 11:02:39.0	yes
3S	(3) SK-67D197 WAVE	STIS/CCD STIS/NUV-MAMA	1	01-Nov-2021 11:02:40.0	yes
4C	(4) SK-67D207	COS/FUV COS/NUV	3	01-Nov-2021 11:02:42.0	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>
DC	(4) SK-67D207	COS/FUV COS/NUV	3	01-Nov-2021 11:02:45.0	yes
4S	(4) SK-67D207 WAVE	STIS/CCD STIS/NUV-MAMA	1	01-Nov-2021 11:02:46.0	yes

21 Total Orbits Used

ABSTRACT

The Space Telescope Science Institute (STScI) Director has decided to devote up to 1000 orbits of Director's Discretionary time in observing Cycles 27-29 to a new Hubble Ultraviolet Legacy program focused on star formation and associated stellar physics. This new program, ULLYSES (UV Legacy Library of Young Stars as Essential Standards), will provide a UV spectroscopic reference sample of young (< 10 Myr) high- and low-mass stars. It will target over ~150 OB stars in the Magellanic Clouds and lower metallicity galaxies in the Local Group, and ~40 T Tauri stars and brown dwarfs in the Milky Way. In addition, ULLYSES will monitor 4 typical T Tauri stars over different rotational phases through at least three rotation periods, and over timescales of months to years. The resulting library will provide template spectra of massive stars at metallicities substantially below the well studied, while the low mass sample will cover a wide range of ages, accretion rates, and masses, including objects down to well below 0.5 M_{sun} . The legacy of this large UV dataset on the first 10 Myr of stellar evolution will be enhanced by complementary datasets obtained by the scientific community. In addition to the core goals of the program related to stellar astrophysics of low and high mass stars, this data will also enable exciting science in the fields of ISM, CGM, jets, and exoplanets. ULLYSES will be modeled after the Frontier Fields program: all data obtained will be non-proprietary. The implementation team at STScI is developing high-level science data products and a sophisticated database and website for disseminating data from the ULLYSES program and ancillary datasets for the ULLYSES target sample from space and ground-based facilities.

OBSERVING DESCRIPTION

This proposal includes a subset of the massive ULLYSES stars being observed in the Magellanic clouds.

Depending on target brightness, the main FUV spectral range will generally use either the STIS E140M setting or the combination of the COS c1291 + c1611 settings. Sufficiently bright stars without good FUSE data in the archive will also be observed with the COS c1096 setting to provide coverage at shorter wavelengths. Where time permits, stars of type O9 or later will also be observed with STIS E230M/1978, while for supergiants of spectral type B5 or later E230M/2707 may also be included. Where possible, targets of a given spectral type were selected to span both a range in extinction and in rotation rates to support a variety of stellar and ISM studies.

Signal-to-noise requirements used to determine the desired exposures times were defined as follows:

COS/G130M/c1096: 20 / nine-pixel resel at 1080 A

COS/G130M/c1291: 30 / six-pixel resel at 1150 A

COS/G160M/c1611: 30 / six-pixel resel at 1590 A

COS/G185M/c1953: 30 / three-pixel resel at 1860 A

COS/G185M/c1986: 30 / three-pixel resel at 1980 A

STIS/E140M/c1425: 20 / two-pixel resel at 1200 A

STIS/E230M/c1978: 20 / two-pixel resel at 1800 A

STIS/E230M/c2707: 20 / two-pixel resel at 2800 A

The actual implemented exposure times may be adjusted to efficiently use HST orbits, but should always provide at least 80% of the desired time as defined by the above requirements.

Additional details about the scientific motivation and technical implementation strategy of the ULLYSES observations can be found at <http://www.stsci.edu/stsci-research/research-topics-and-programs/ullyses>. The ULLYSES program is based on the recommendations of a working group led by Sally Oey; the full text of that group's report can be found at http://www.stsci.edu/files/live/sites/www/files/home/stsci-research/research-topics-and-programs/ullyses/_documents/HSTUV-report-ULLYSES.pdf.

Proposal 16374, SK-66D50-COS (1C), failed

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: vstatus; 1C; SK-66D50; P/COS approved for submission; P/RS 20/06/21; intrev: complete; P/AF 18/06/21
vcheck; Enter targ name & Inst. & Resp. Sci.; SK-66D50 'SK -66 50'; COS; RS
vcheck; ETC numbers entered in APT?; YES
vcheck; Any screening violations?; None but ...
For the G130M/1291 and G160M/1611 exposures, count rates are at 58% (Seg A) and 67% (Seg B) of the limit, the 40% warning for irregular variable sources is triggered.
vcheck; S/N ETC calcs done & documented?; Yes
vcheck; Field images checked & saved?; Yes
vcheck; Selected ACQ strategy?; COS PSA 1291 Spectroscopic ...
There are three stars in the field flagged as unknown by GSCII, and the Zaritsky catalog shows that the brightest of them with V=17.98 will not be safe for PSA/MIRRORA
vcheck; Possible ACQ or Sci spoilers?; No
vcheck; Field BOT clear?; GSCII reports 1 unknown source. Also the target itself is assumed to be an O5V so the BOT reports it as unsafe.
vcheck; Visual BOT check for stars not in catalog?; OK
vcheck; Orbit packing finalized?; Yes
vcheck; Buffer times optimized?; Yes
vcheck; Verify visit grouping correct; N/A
vcheck; Is visit ready for int. review?; Yes
 Allocated COS orbits = 2

Diagnosics

(SK-66D50-COS (1C)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SK-66D50	RA: 05 03 8.8165 (75.7867354d)	Proper Motion RA: 1.578 mas/yr	V=10.63	Reference Frame: ICRS
	Alt Name1: SK-66-50	Dec: -66 57 34.85 (-66.95968d)	Proper Motion Dec: 0.033 mas/yr	SpT=B8 Ia+; E(B-V)=0.03; U=9.98; B=10.65; V=10.63; F1160=6.56e-13; F1360=6.49e-13; F1700=6.84e-13; F2200=5.46e-13	
	Alt Name2: SK-6650	Equinox: J2000	Epoch of Position: 2000		
<p><i>Comments: SK-66D50 : Sk -66 50, Sk_-6650, SK -66 50</i> <i>Previous name : Sk -66 50</i> <i>Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>SIMBAD link (SK -66 50): https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-66+50&submit=submit+id</i> <i>SpT = B8 Ia+</i> <i>COS/G130M/c1291 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam)</i> <i>COS/G160M/c1611 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)</i> <i>COS/G185M/c1921 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)</i> <i>COS/G185M/c1953 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)</i> <i>COS/G185M/c1986 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)</i> <i>STIS/E140M/c1425 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam)</i> <i>STIS/E230M/c1978 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)</i> <i>STIS/E230M/c2707 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)</i> Coordinate pedigree: Gaia Calculation performed 2020-02-24T17:53:05, v0.4</p> <hr/> <p><i>tstatus; SK-66D50; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21</i> <i>tcheck; APT/SIMBAD target names: ; SK-66D50 'SK -66 50' ...</i> Simbad default is HD 268907 <i>tcheck; Target info verification status?; OK ...</i> SIMBAD reports B5Ia spectral type (Ardeberg et al. 1972) -- adopted B8 Ia+ (Fitzpatrick 1991) <i>tcheck; Coordinates & P.M. updated?; Yes, GAIA DR2 coordinates</i> <i>tcheck; Adopted SED compared to Observations?; OK -- model overestimates Balmer jump -- hard to match both swp and lwp</i> Category=EXT-STAR Description=[B6-B9.5 III-I] Extended=NO</p>					

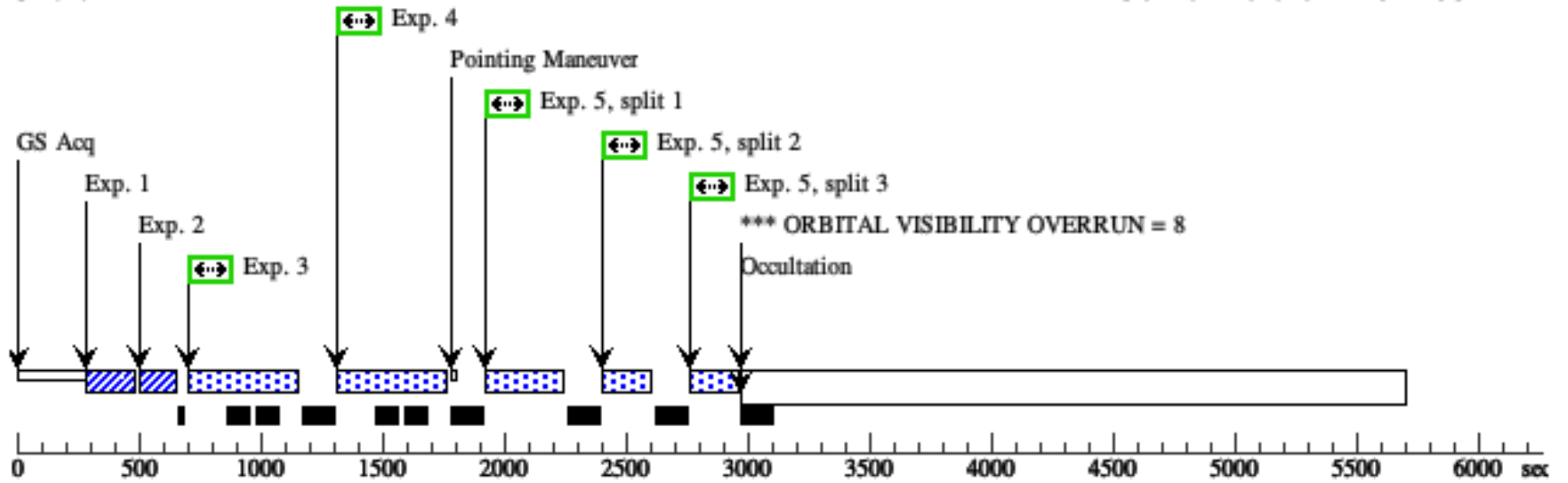
Proposal 16374 - SK-66D50-COS (1C) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	ACQ/PEAK XD (COS.sa.147 3545)	(1) SK-66D50	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	CENTER=FLUX-W T; NUM-POS=3; STEP-SIZE=1.3; SEGMENT=BOTH		0.5 Secs (0.5 Secs) [==>]	[1]
	2	ACQ/PEAK D (COS.sa.147 3545)	(1) SK-66D50	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; SEGMENT=BOTH		0.5 Secs (0.5 Secs) [==>]	[1]
	3	G130M/129 1-3 (COS.sp.147 3546)	(1) SK-66D50	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=12 3; FP-POS=3		400 Secs (400 Secs) [==>]	[1]
	<p>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None) From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B8 Ia+ --> B8 I SED = SK-66D50_COS_G130M_c1291_sed.fits For exptime=791.2 s, spectral region: 1150.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 8841.2 cts/s/segment brightest pixel: 0.140 cts/s/pix at 1277.0 A Calculation performed 2020-02-24T17:53:09, v0.4</p>								
	4	G130M/129 1-4 (COS.sp.147 3546)	(1) SK-66D50	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=12 3; FP-POS=4		400 Secs (400 Secs) [==>]	[1]
<p>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None) From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B8 Ia+ --> B8 I SED = SK-66D50_COS_G130M_c1291_sed.fits For exptime=791.2 s, spectral region: 1150.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 8841.2 cts/s/segment brightest pixel: 0.140 cts/s/pix at 1277.0 A Calculation performed 2020-02-24T17:53:09, v0.4</p>									
	5	G160M/161 1 (COS.sp.147 3555)	(1) SK-66D50	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=12 0; FP-POS=ALL		148 Secs (592 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1] [2]
<p>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None) From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B8 Ia+ --> B8 I SED = SK-66D50_COS_G160M_c1611_sed.fits For exptime=307.9 s, spectral region: 1590.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 9888.2 cts/s/segment brightest pixel: 0.148 cts/s/pix at 1447.0 A Calculation performed 2020-02-24T17:53:12, v0.4</p>									

Proposal 16374 - SK-66D50-COS (1C) - ULLYSES LMC late-B Stars COS and STIS

6	G185M/195 (1) SK-66D50 3 (COS.sp.147 3556)	COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=95; FP-POS=ALL	95 Secs (380 Secs)	[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
<p><i>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam); cos,nuv,g185m,c1953,psa,mjd#59305</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B8 Ia+ --> B8 I</i> <i>SED = SK-66D50_COS_G185M_c1953_sed.fits</i> <i>For exptime=258.3 s, spectral region:</i> <i>1860.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 4681.9 cts/s/segment</i> <i>brightest pixel: 0.651 cts/s/pix at 1971.0 A</i> <i>Calculation performed 2020-02-24T17:53:13, v0.4</i></p>							
7	G185M/198 (1) SK-66D50 6 (COS.sp.147 3557)	COS/NUV, TIME-TAG, PSA	G185M 1986 A	BUFFER-TIME=95; FP-POS=ALL	95 Secs (380 Secs)	[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
<p><i>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam); cos,nuv,g185m,c1986,psa,mjd#59305</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B8 Ia+ --> B8 I</i> <i>SED = SK-66D50_COS_G185M_c1986_sed.fits</i> <i>For exptime=228.9 s, spectral region:</i> <i>1980.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 4715.9 cts/s/segment</i> <i>brightest pixel: 0.657 cts/s/pix at 1875.0 A</i> <i>Calculation performed 2020-02-24T17:53:13, v0.4</i></p>							

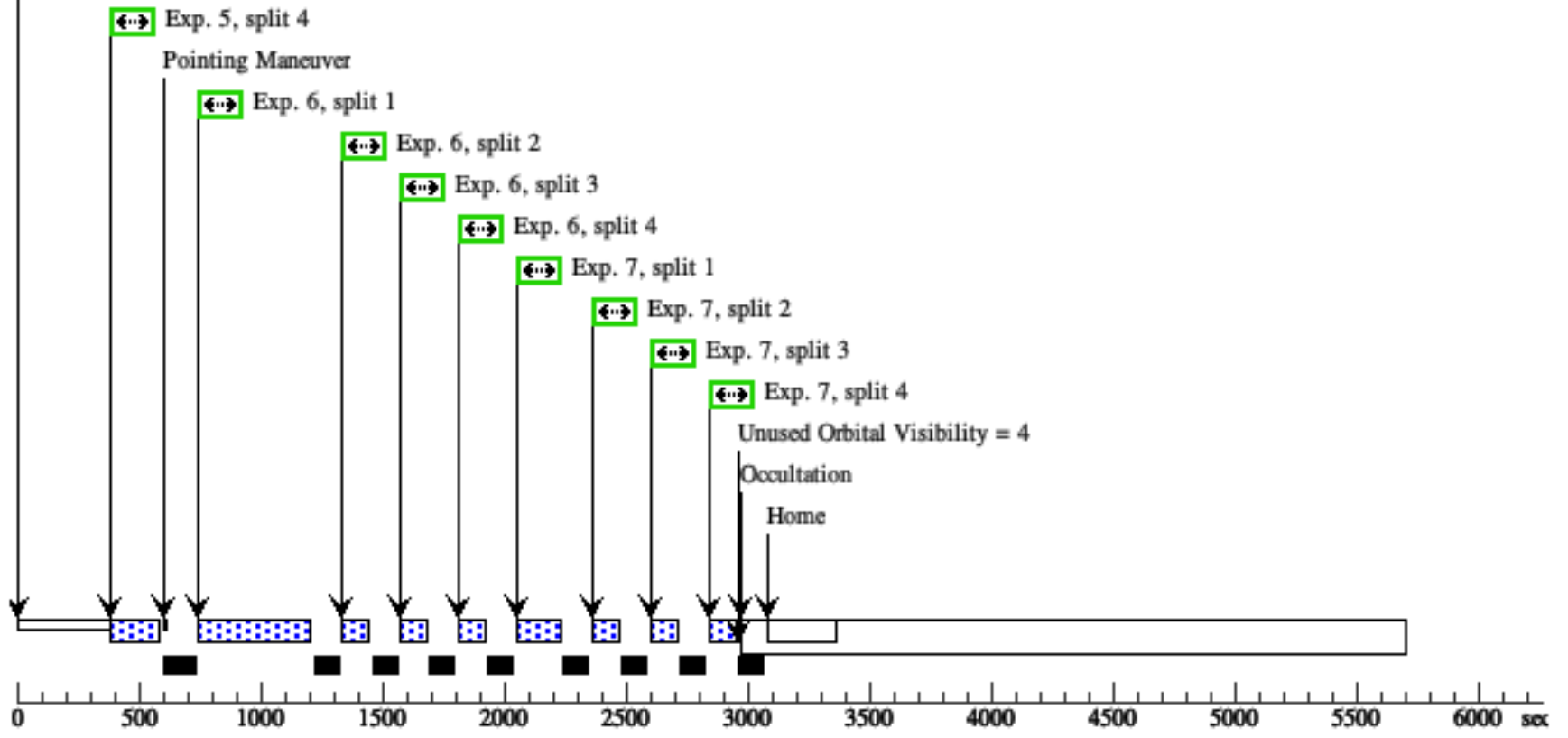
Orbit 1



Orbit Structure

Orbit 2

GS Reacq



Visit	<p>Proposal 16374, SK-66D50-COS (AC)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%</p> <p><i>Comments: vstatus; 1C; SK-66D50; P/COS approved for submission; P/RS 20/06/21; intrev: complete; P/AF 18/06/21</i> <i>vcheck; Enter targ name & Inst. & Resp. Sci.; SK-66D50 'SK -66 50'; COS; RS</i> <i>vcheck; ETC numbers entered in APT?; YES</i> <i>vcheck; Any screening violations?; None but ...</i> <i>For the G130M/1291 and G160M/1611 exposures, count rates are at 58% (Seg A) and 67% (Seg B) of the limit, the 40% warning for irregular variable sources is triggered.</i> <i>vcheck; S/N ETC calcs done & documented?; Yes</i> <i>vcheck; Field images checked & saved?; Yes</i> <i>vcheck; Selected ACQ strategy?; COS PSA 1291 Spectroscopic ...</i> <i>There are three stars in the field flagged as unknown by GSCII, and the Zaritsky catalog shows that the brightest of them with V=17.98 will not be safe for PSA/MIRRORA</i> <i>vcheck; Possible ACQ or Sci spoilers?; No</i> <i>vcheck; Field BOT clear?; GSCII reports 1 unknown source. Also the target itself is assumed to be an O5V so the BOT reports it as unsafe.</i> <i>vcheck; Visual BOT check for stars not in catalog?; OK</i> <i>vcheck; Orbit packing finalized?; Yes</i> <i>vcheck; Buffer times optimized?; Yes</i> <i>vcheck; Verify visit grouping correct; N/A</i> <i>vcheck; Is visit ready for int. review?; Yes</i> <i>Allocated COS orbits = 2</i></p>																													
	<p>Diagnosics</p> <p>(SK-66D50-COS (AC)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</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>SK-66D50</td> <td>RA: 05 03 8.8165 (75.7867354d)</td> <td>Proper Motion RA: 1.578 mas/yr</td> <td>V=10.63</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: SK-66-50</td> <td>Dec: -66 57 34.85 (-66.95968d)</td> <td>Proper Motion Dec: 0.033 mas/yr</td> <td>SpT=B8 Ia+; E(B-V)=0.03; U=9.98; B=10.65; V=10.63; F1160=6.56e-13; F1360=6.49e-13; F1700=6.84e-13; F2200=5.46e-13</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: SK-6650</td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: SK-66D50 : Sk -66 50, Sk_-6650, SK -66 50</i> <i>Previous name : Sk -66 50</i> <i>Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>SIMBAD link (SK -66 50): https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-66+50&submit=submit+id</i> <i>SpT = B8 Ia+</i> <i>COS/G130M/c1291 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam)</i> <i>COS/G160M/c1611 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)</i> <i>COS/G185M/c1921 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)</i> <i>COS/G185M/c1953 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)</i> <i>COS/G185M/c1986 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)</i> <i>STIS/E140M/c1425 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam)</i> <i>STIS/E230M/c1978 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)</i> <i>STIS/E230M/c2707 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)</i> <i>Coordinate pedigree: Gaia</i> <i>Calculation performed 2020-02-24T17:53:05, v0.4</i></p> <hr/> <p><i>tstatus; SK-66D50; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21</i> <i>tcheck; APT/SIMBAD target names; ; SK-66D50 'SK -66 50' ...</i> <i>Simbad default is HD 268907</i> <i>tcheck; Target info verification status?; OK ...</i> <i>SIMBAD reports B5Ia spectral type (Ardeberg et al. 1972) -- adopted B8 Ia+ (Fitzpatrick 1991)</i> <i>tcheck; Coordinates & P.M. updated?; Yes, GAIA DR2 coordinates</i> <i>tcheck; Adopted SED compared to Observations?; OK -- model overestimates Balmer jump -- hard to match both swp and lwp</i> <i>Category=EXT-STAR</i> <i>Description=[B6-B9.5 III-I]</i> <i>Extended=NO</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	SK-66D50	RA: 05 03 8.8165 (75.7867354d)	Proper Motion RA: 1.578 mas/yr	V=10.63	Reference Frame: ICRS		Alt Name1: SK-66-50	Dec: -66 57 34.85 (-66.95968d)	Proper Motion Dec: 0.033 mas/yr	SpT=B8 Ia+; E(B-V)=0.03; U=9.98; B=10.65; V=10.63; F1160=6.56e-13; F1360=6.49e-13; F1700=6.84e-13; F2200=5.46e-13			Alt Name2: SK-6650	Equinox: J2000	Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																								
(1)	SK-66D50	RA: 05 03 8.8165 (75.7867354d)	Proper Motion RA: 1.578 mas/yr	V=10.63	Reference Frame: ICRS																									
	Alt Name1: SK-66-50	Dec: -66 57 34.85 (-66.95968d)	Proper Motion Dec: 0.033 mas/yr	SpT=B8 Ia+; E(B-V)=0.03; U=9.98; B=10.65; V=10.63; F1160=6.56e-13; F1360=6.49e-13; F1700=6.84e-13; F2200=5.46e-13																										
	Alt Name2: SK-6650	Equinox: J2000	Epoch of Position: 2000																											

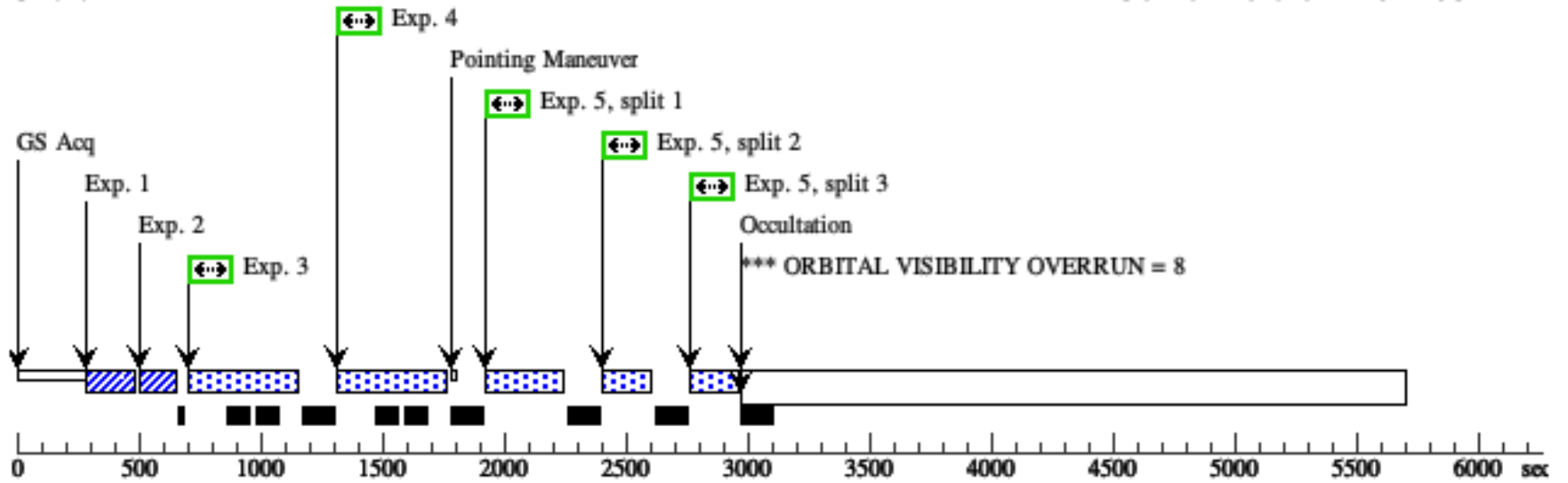
Proposal 16374 - SK-66D50-COS (AC) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ/PEAK XD (COS.sa.147 3545)	(1) SK-66D50	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	CENTER=FLUX-W T; NUM-POS=3; STEP-SIZE=1.3; SEGMENT=BOTH		0.5 Secs (0.5 Secs) [==>]	[1]	
	2	ACQ/PEAK D (COS.sa.147 3545)	(1) SK-66D50	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; SEGMENT=BOTH		0.5 Secs (0.5 Secs) [==>]	[1]	
	3	G130M/129 1-3 (COS.sp.147 3546)	(1) SK-66D50	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=12 3; FP-POS=3		400 Secs (400 Secs) [==>]	[1]	
	<p><i>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B8 Ia+ --> B8 I SED = SK-66D50_COS_G130M_c1291_sed.fits For exptime=791.2 s, spectral region: 1150.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 8841.2 cts/s/segment brightest pixel: 0.140 cts/s/pix at 1277.0 A Calculation performed 2020-02-24T17:53:09, v0.4</p>									
	4	G130M/129 1-4 (COS.sp.147 3546)	(1) SK-66D50	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=12 3; FP-POS=4		400 Secs (400 Secs) [==>]	[1]	
<p><i>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B8 Ia+ --> B8 I SED = SK-66D50_COS_G130M_c1291_sed.fits For exptime=791.2 s, spectral region: 1150.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 8841.2 cts/s/segment brightest pixel: 0.140 cts/s/pix at 1277.0 A Calculation performed 2020-02-24T17:53:09, v0.4</p>										
5	G160M/161 1 (COS.sp.147 3555)	(1) SK-66D50	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=12 0; FP-POS=ALL		148 Secs (592 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1] [2]		
<p><i>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None)</i> From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B8 Ia+ --> B8 I SED = SK-66D50_COS_G160M_c1611_sed.fits For exptime=307.9 s, spectral region: 1590.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 9888.2 cts/s/segment brightest pixel: 0.148 cts/s/pix at 1447.0 A Calculation performed 2020-02-24T17:53:12, v0.4</p>										

Proposal 16374 - SK-66D50-COS (AC) - ULLYSES LMC late-B Stars COS and STIS

6	G185M/195 (1) SK-66D50 3 (COS.sp.147 3556)	COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=95; FP-POS=ALL	95 Secs (380 Secs)	[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
<p><i>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam); cos,nuv,g185m,c1953,psa,mjd#59305</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B8 Ia+ --> B8 I</i> <i>SED = SK-66D50_COS_G185M_c1953_sed.fits</i> <i>For exptime=258.3 s, spectral region:</i> <i>1860.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 4681.9 cts/s/segment</i> <i>brightest pixel: 0.651 cts/s/pix at 1971.0 A</i> <i>Calculation performed 2020-02-24T17:53:13, v0.4</i></p>							
7	G185M/198 (1) SK-66D50 6 (COS.sp.147 3557)	COS/NUV, TIME-TAG, PSA	G185M 1986 A	BUFFER-TIME=95; FP-POS=ALL	95 Secs (380 Secs)	[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
<p><i>Comments: rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam); cos,nuv,g185m,c1986,psa,mjd#59305</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B8 Ia+ --> B8 I</i> <i>SED = SK-66D50_COS_G185M_c1986_sed.fits</i> <i>For exptime=228.9 s, spectral region:</i> <i>1980.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 4715.9 cts/s/segment</i> <i>brightest pixel: 0.657 cts/s/pix at 1875.0 A</i> <i>Calculation performed 2020-02-24T17:53:13, v0.4</i></p>							

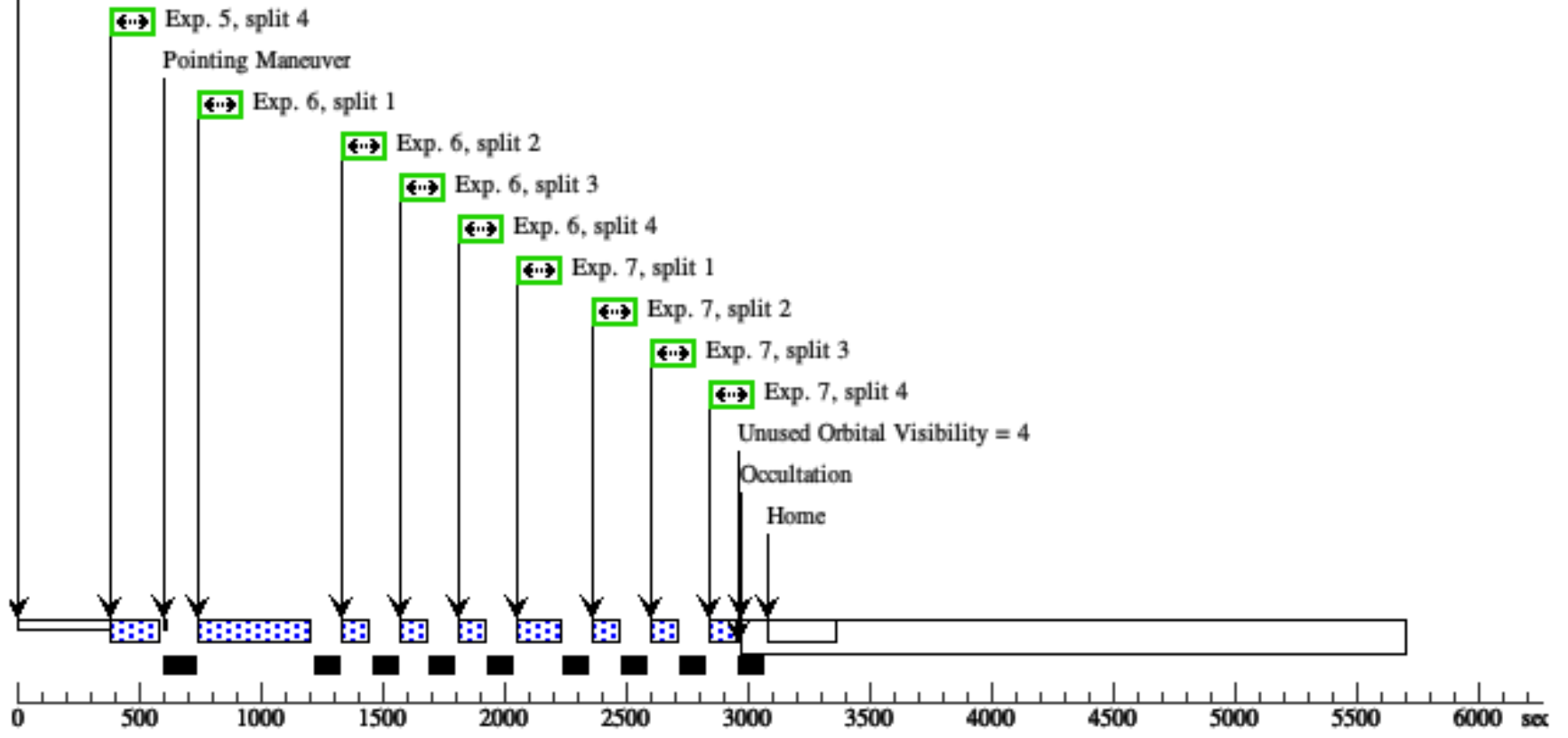
Orbit 1



Orbit Structure

Orbit 2

GS Reacq



Proposal 16374, SK-66D50-STIS (1S), completed

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD

Special Requirements: SCHED 100%

Comments: vstatus; 1S; SK-66D50; S/STIS approved for submission; S/DW 21/06/21 ; intrev: complete ; P/AF19/06/21 vcheck; Enter targ name & Inst. & Resp. Sci.; SK-66D50 ; STIS ; DW vcheck; ETC numbers entered in APT?; yes vcheck; Any screening violations?; no vcheck; S/N ETC calcs done & documented?; yes ... E230M/2707, 0.2x0.2, 2165s -- brightest pix 0.37 cts/s (2721.9A), entire detector 15.5k cts/s, S/N~60 near 2800A vcheck; Field images checked & saved?; yes vcheck; Selected ACQ strategy?; direct acq, F28x50LP, 0.2s yields S/N~224 (saturation in 1.2s) vcheck; Possible ACQ or Sci spoilers?; no vcheck; Field BOT clear?; yes vcheck; Visual BOT check for stars not in catalog?; yes ... clearance region dominated by saturated core of image of target -- no other objects in 5"x5" acq box for program 16230 vcheck; Orbit packing finalized?; yes vcheck; Buffer times optimized?; yes 129 s x 0.8 = 103 s vcheck; Verify visit grouping correct; n/a vcheck; Is visit ready for int. review?; yes Allocated STIS orbits = 1

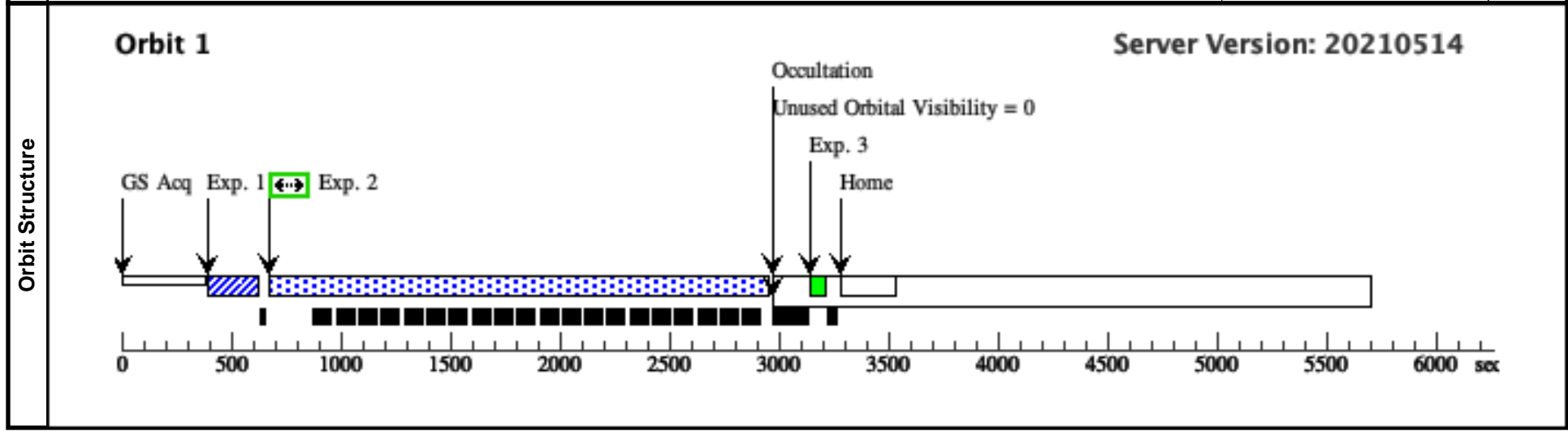
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SK-66D50	RA: 05 03 8.8165 (75.7867354d)	Proper Motion RA: 1.578 mas/yr	V=10.63	Reference Frame: ICRS
	Alt Name1: SK-66-50	Dec: -66 57 34.85 (-66.95968d)	Proper Motion Dec: 0.033 mas/yr	SpT=B8 Ia+; E(B-V)=0.03; U=9.98; B=10.65; V=10.63; F1160=6.56e-13; F1360=6.49e-13; F1700=6.84e-13; F2200=5.46e-13	
	Alt Name2: SK-6650	Equinox: J2000	Epoch of Position: 2000		

*Comments: SK-66D50 : Sk -66 50, Sk_-6650, SK -66 50
 Previous name : Sk -66 50
 Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv
 SIMBAD link (SK -66 50): <https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-66+50&submit=submit+id>
 SpT = B8 Ia+
 COS/G130M/c1291 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam)
 COS/G160M/c1611 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)
 COS/G185M/c1921 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)
 COS/G185M/c1953 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1700 +- 5.0A flux=6.8e-13 Flam)
 COS/G185M/c1986 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)
 STIS/E140M/c1425 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux1360 +- 30.0A flux=6.5e-13 Flam)
 STIS/E230M/c1978 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)
 STIS/E230M/c2707 : rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam)
 Coordinate pedigree: Gaia
 Calculation performed 2020-02-24T17:53:05, v0.4*

*tstatus: SK-66D50; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21
 tcheck; APT/SIMBAD target names: ; SK-66D50 'SK -66 50' ...
 Simbad default is HD 268907
 tcheck; Target info verification status?; OK ...
 SIMBAD reports B5Ia spectral type (Ardeberg et al. 1972) -- adopted B8 Ia+ (Fitzpatrick 1991)
 tcheck; Coordinates & P.M. updated?; Yes, GAIA DR2 coordinates
 tcheck; Adopted SED compared to Observations?; OK -- model overestimates Balmer jump -- hard to match both swp and lwp
 Category=EXT-STAR
 Description=[B6-B9.5 III-I]
 Extended=NO*

Proposal 16374 - SK-66D50-STIS (1S) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ (1517011)	(1) SK-66D50	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs (0.2 Secs) [==>]	[1]
2	E230M/270 7 (1517015)	(1) SK-66D50	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	WAVECAL=NO; BUFFER-TIME=10 3.0			2166 Secs (2166 Secs) [==>]	[1]
<p>Comments: <i>rn-max(ck04models(B8I,Teff=11278,metallicity=0.008,logG=2.26) (extinction lmcavg=0.030), flux2200 +- 5.0A flux=5.5e-13 Flam); stis,nuvmama,e230m,c2707,0.2x0.2,mjd#59305</i> From file <i>LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> Spectral type: <i>B8 Ia+ --> B8 I</i> SED = <i>SK-66D50_STIS_E230M_c2707_sed.fits</i> For <i>exptime=349.6 s</i>, spectral region: <i>2800.0 +- 0.5 A</i> achieves <i>SNR=20.0/resel</i> global countrate (brightest segment): <i>13481.3 cts/s/segment</i> brightest pixel: <i>0.290 cts/s/pix</i> at <i>2647.5 A</i> Calculation performed <i>2020-02-24T17:53:17, v0.4</i></p> <p>using <i>IUE</i> spectrum, <i>2165s</i>, get brightest pix <i>0.370 cts/s (2721.9 A)</i>, entire detector <i>15.5k cts/s</i>, buffer time=<i>129s</i> <i>S/N~60</i> near <i>2800 A</i></p>									
3	E230M/270 7 WAVECAL (1517015)	WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				[==>]	[1]



Proposal 16374, SK-67D195-COS (2C), completed

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: SCHED 100%

Comments: vstatus; 2C; SK-67D195; P/COS approved for submission ; P/RS 20/06/21 ; intrev: complete ; P/AF 18/06/21
vcheck; Enter targ name & Inst. & Resp. Sci.; SK-67D195 'SK -67 195'; COS ; RS
vcheck; ETC numbers entered in APT?; Yes
vcheck; Any screening violations?; No
vcheck; S/N ETC calcs done & documented?; N/A
vcheck; Field images checked & saved?; Yes
vcheck; Selected ACQ strategy?; COS PSA 1291 Spectroscopic ...
There are a few bright stars, including one with V=15.7, that will not be safe for PSA/MIRRORA
vcheck; Possible ACQ or Sci spoilers?; No
vcheck; Field BOT clear?; GSCH reports the target as unsafe assuming it to be an O5V, an unknown PSA source is reported but a visual examination of the field, and the Zaritsky catalog show that there is no other source
vcheck; Visual BOT check for stars not in catalog?; OK
vcheck; Orbit packing finalized?; Yes ...
Only two FP-POS were used for each of the NUV modes to make efficient use of the time in each orbit.
vcheck; Buffer times optimized?; Yes
vcheck; Verify visit grouping correct; N/A
vcheck; Is visit ready for int. review?; Yes
Allocated COS orbits = 4

Diagnosics

(SK-67D195-COS (2C)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

(SK-67D195-COS (2C)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SK-67D195	RA: 05 33 51.9264 (83.4663600d)	Proper Motion RA: 1.528 mas/yr	V=12.84	Reference Frame: ICRS
	Alt Name1: M2002-LMC-158636	Dec: -67 08 2.06 (-67.13391d)	Proper Motion Dec: 0.439 mas/yr	SpT=B6 I; E(B-V)=0.05; U=12.21; B=12.82; V=12.84	
	Alt Name2: SK-67-195	Equinox: J2000	Epoch of Position: 2000		
<p><i>Comments: SK-67D195 : [M2002]_158636, Sk -67 195, SK -67 195</i> <i>Previous name : Sk -67 195</i> <i>Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>SIMBAD link (SK -67 195): https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-67+195&submit=submit+id</i> <i>SpT = B6 I</i> <i>COS/G130M/c1291 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag)</i> <i>COS/G160M/c1611 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag)</i> <i>COS/G185M/c1921 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag)</i> <i>COS/G185M/c1953 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag)</i> <i>COS/G185M/c1986 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag)</i> <i>STIS/E140M/c1425 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag)</i> <i>STIS/E230M/c1978 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag)</i> <i>STIS/E230M/c2707 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag)</i> <i>Coordinate pedigree: Gaia</i> <i>Calculation performed 2020-02-24T17:52:40, v0.4</i></p> <hr/> <p><i>tstatus; SK-67D195; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21</i> <i>tcheck; APT/SIMBAD target names: ; SK-67D195 'SK -67 195'</i> <i>tcheck; Target info verification status?; OK</i> <i>tcheck; Coordinates & P.M. updated?; Yes GAIA DR2 coordinates</i> <i>tcheck; Adopted SED compared to Observations?; OK ...</i> <i>only STIS G430L and U, B, V photometry exist -- match is decent</i> <i>Category=EXT-STAR</i> <i>Description=[B6-B9.5 III-I]</i> <i>Extended=NO</i></p>					

Proposal 16374 - SK-67D195-COS (2C) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ/PEAK XD (COS.sa.147 3612)	(2) SK-67D195	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	CENTER=FLUX-W T; NUM-POS=3; STEP-SIZE=1.3; SEGMENT=BOTH		2 Secs (2 Secs) [==>]	[1]	
	2	ACQ/PEAK D (COS.sa.147 3612)	(2) SK-67D195	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; SEGMENT=BOTH		2 Secs (2 Secs) [==>]	[1]	
	3	G130M/129 1-3 (COS.sp.147 3613)	(2) SK-67D195	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=46 4.0; FP-POS=3		1500 Secs (1500 Secs) [==>]	[1]	
	<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G130M_c1291_sed.fits</i> <i>For exptime=2963.2 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1651.4 cts/s/segment</i> <i>brightest pixel: 0.028 cts/s/pix at 1277.0 A</i> <i>Calculation performed 2020-02-24T17:52:44, v0.4</i></p>									
	4	G130M/129 1-4-i (COS.sp.147 3613)	(2) SK-67D195	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=45 5.0; FP-POS=4		565 Secs (565 Secs) [==>]	[1]	
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G130M_c1291_sed.fits</i> <i>For exptime=2963.2 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1651.4 cts/s/segment</i> <i>brightest pixel: 0.028 cts/s/pix at 1277.0 A</i> <i>Calculation performed 2020-02-24T17:52:44, v0.4</i></p>										
5	G130M/129 1-4-ii (COS.sp.147 3613)	(2) SK-67D195	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 3; FP-POS=4		935 Secs (935 Secs) [==>]	[2]		
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G130M_c1291_sed.fits</i> <i>For exptime=2963.2 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1651.4 cts/s/segment</i> <i>brightest pixel: 0.028 cts/s/pix at 1277.0 A</i> <i>Calculation performed 2020-02-24T17:52:44, v0.4</i></p>										

Proposal 16374 - SK-67D195-COS (2C) - ULLYSES LMC late-B Stars COS and STIS

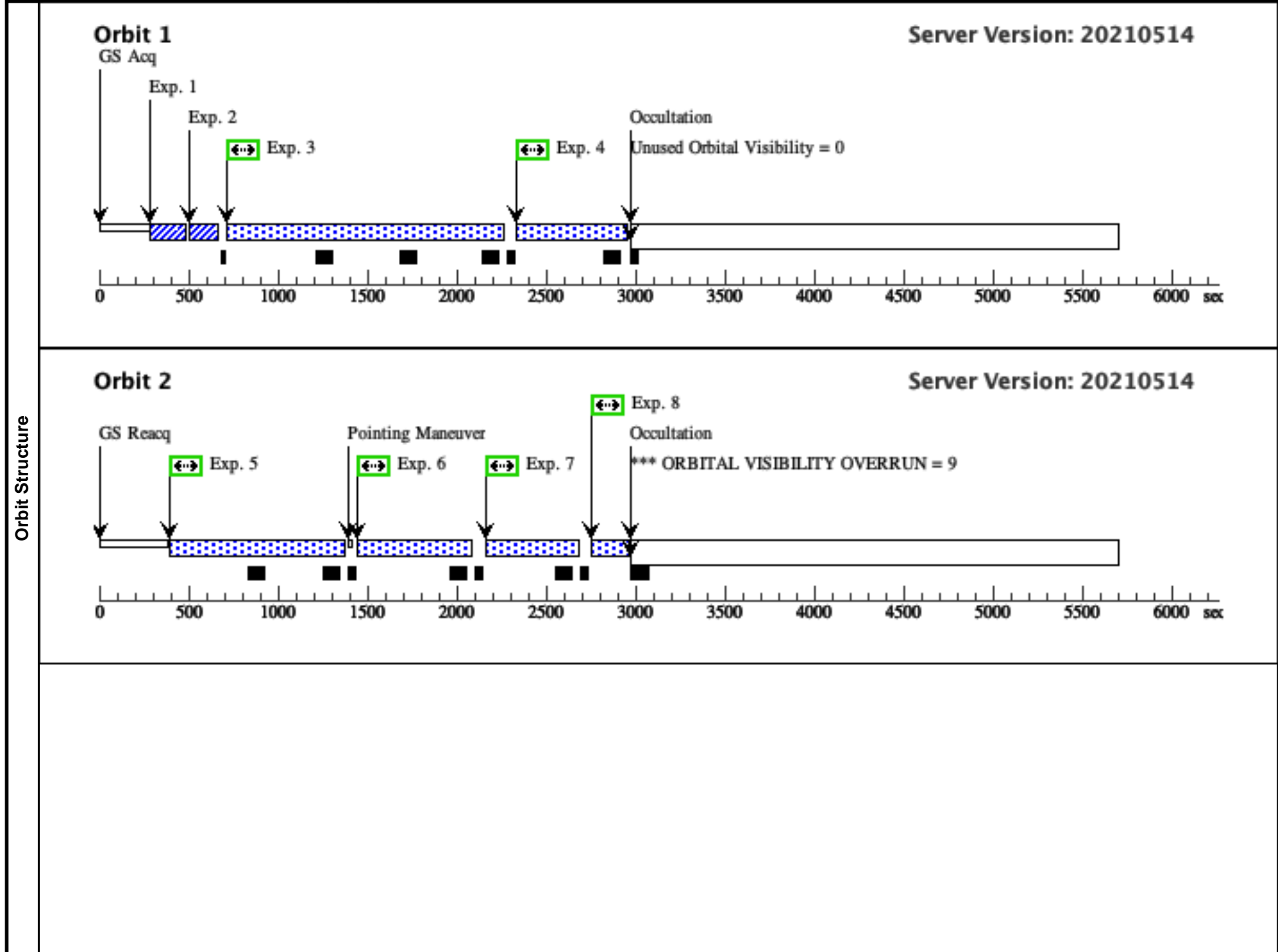
6	G160M/161 1-1 (COS.sp.147 3615)	(2) SK-67D195 COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=35 5; FP-POS=1	465 Secs (465 Secs) [==>]	[2]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G160M_c1611_sed.fits</i> <i>For exptime=1860.0 s, spectral region:</i> <i>1590.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1717.0 cts/s/segment</i> <i>brightest pixel: 0.025 cts/s/pix at 1447.0 A</i> <i>Calculation performed 2020-02-24T17:52:47, v0.4</i></p>						
7	G160M/161 1-2 (COS.sp.147 3615)	(2) SK-67D195 COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=35 5; FP-POS=2	465 Secs (465 Secs) [==>]	[2]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G160M_c1611_sed.fits</i> <i>For exptime=1860.0 s, spectral region:</i> <i>1590.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1717.0 cts/s/segment</i> <i>brightest pixel: 0.025 cts/s/pix at 1447.0 A</i> <i>Calculation performed 2020-02-24T17:52:47, v0.4</i></p>						
8	G160M/161 1-3-i (COS.sp.147 3615)	(2) SK-67D195 COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=16 2; FP-POS=3	162 Secs (162 Secs) [==>]	[2]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G160M_c1611_sed.fits</i> <i>For exptime=1860.0 s, spectral region:</i> <i>1590.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1717.0 cts/s/segment</i> <i>brightest pixel: 0.025 cts/s/pix at 1447.0 A</i> <i>Calculation performed 2020-02-24T17:52:47, v0.4</i></p>						
9	G160M/161 1-3-ii (COS.sp.147 3615)	(2) SK-67D195 COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=19 3; FP-POS=3	303 Secs (303 Secs) [==>]	[3]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G160M_c1611_sed.fits</i> <i>For exptime=1860.0 s, spectral region:</i> <i>1590.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1717.0 cts/s/segment</i> <i>brightest pixel: 0.025 cts/s/pix at 1447.0 A</i> <i>Calculation performed 2020-02-24T17:52:47, v0.4</i></p>						

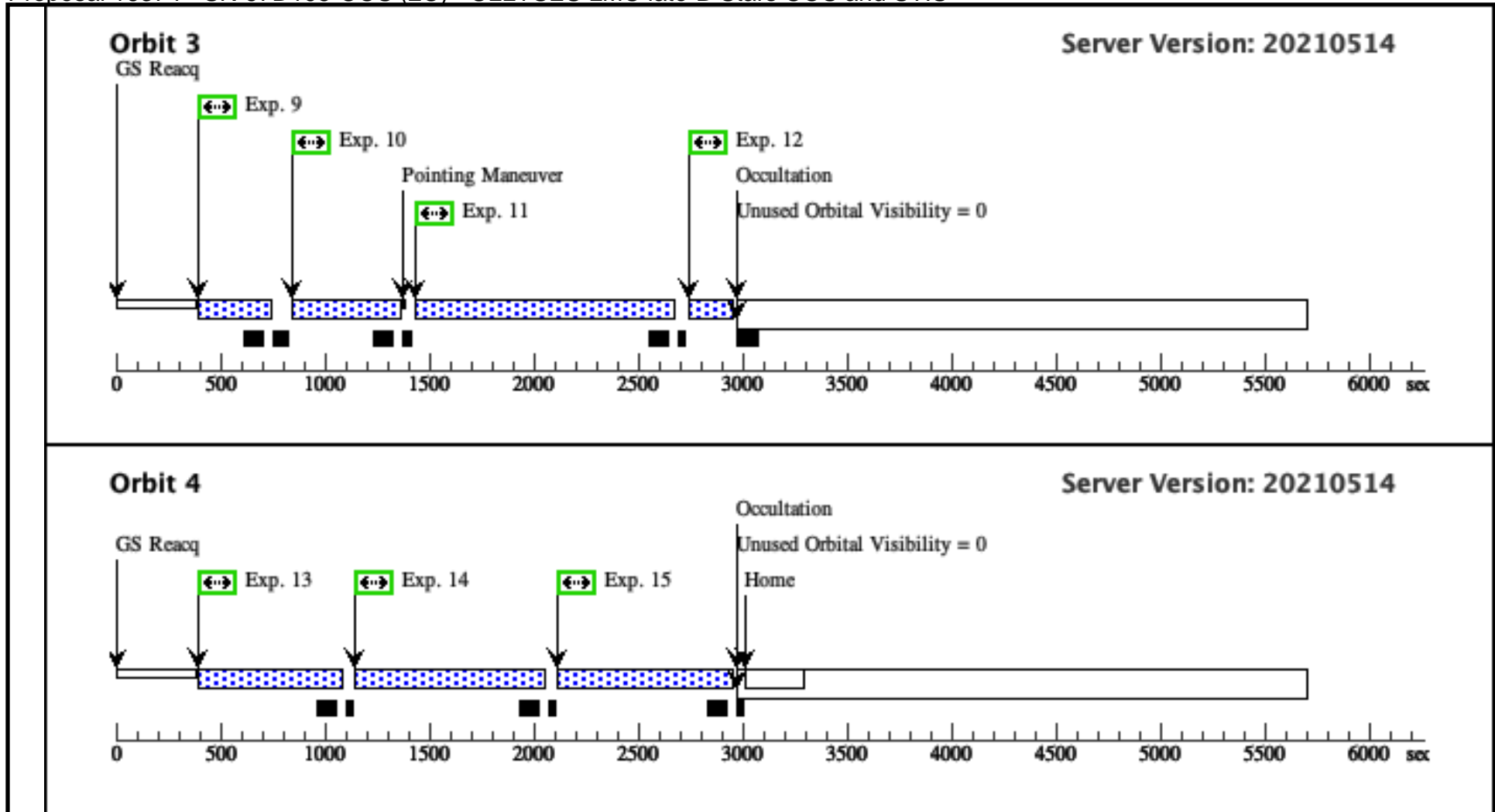
Proposal 16374 - SK-67D195-COS (2C) - ULLYSES LMC late-B Stars COS and STIS

10	G160M/161 1-4 (COS.sp.147 3615)	(2) SK-67D195 COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=35 5; FP-POS=4	465 Secs (465 Secs) [==>]	[3]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G160M_c1611_sed.fits</i> <i>For exptime=1860.0 s, spectral region:</i> <i>1590.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1717.0 cts/s/segment</i> <i>brightest pixel: 0.025 cts/s/pix at 1447.0 A</i> <i>Calculation performed 2020-02-24T17:52:47, v0.4</i></p>						
11	G185M/195 3-2 (COS.sp.147 3616)	(2) SK-67D195 COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=77 0; FP-POS=2	880 Secs (880 Secs) [==>]	[3]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,nuv,g185m,c1953,psa,mjd#59305)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G185M_c1953_sed.fits</i> <i>For exptime=1745.1 s, spectral region:</i> <i>1860.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1483.4 cts/s/segment</i> <i>brightest pixel: 0.099 cts/s/pix at 1872.0 A</i> <i>Calculation performed 2020-02-24T17:52:48, v0.4</i></p>						
12	G185M/195 3-3-i (COS.sp.147 3616)	(2) SK-67D195 COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=19 9; FP-POS=3	199 Secs (199 Secs) [==>]	[3]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,nuv,g185m,c1953,psa,mjd#59305)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G185M_c1953_sed.fits</i> <i>For exptime=1745.1 s, spectral region:</i> <i>1860.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1483.4 cts/s/segment</i> <i>brightest pixel: 0.099 cts/s/pix at 1872.0 A</i> <i>Calculation performed 2020-02-24T17:52:48, v0.4</i></p>						
13	G185M/195 3-3-ii (COS.sp.147 3616)	(2) SK-67D195 COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=57 1; FP-POS=3	681 Secs (681 Secs) [==>]	[4]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,nuv,g185m,c1953,psa,mjd#59305)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G185M_c1953_sed.fits</i> <i>For exptime=1745.1 s, spectral region:</i> <i>1860.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1483.4 cts/s/segment</i> <i>brightest pixel: 0.099 cts/s/pix at 1872.0 A</i> <i>Calculation performed 2020-02-24T17:52:48, v0.4</i></p>						

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14	G185M/198 (2) SK-67D195 6-3 (COS.sp.147 3617)	COS/NUV, TIME-TAG, PSA	G185M 1986 A	BUFFER-TIME=71 1; FP-POS=3	821 Secs (821 Secs) [==>]	[4]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,nuv,g185m,c1986,psa,mjd#59305</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G185M_c1986_sed.fits</i> <i>For exptime=1574.9 s, spectral region:</i> <i>1980.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1491.1 cts/s/segment</i> <i>brightest pixel: 0.104 cts/s/pix at 1875.0 A</i> <i>Calculation performed 2020-02-24T17:52:48, v0.4</i></p>						
15	G185M/198 (2) SK-67D195 6-4 (COS.sp.147 3617)	COS/NUV, TIME-TAG, PSA	G185M 1986 A	BUFFER-TIME=71 1; FP-POS=4	821 Secs (821 Secs) [==>]	[4]
<p><i>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); cos,nuv,g185m,c1986,psa,mjd#59305</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B6 I --> B6 I</i> <i>SED = SK-67D195_COS_G185M_c1986_sed.fits</i> <i>For exptime=1574.9 s, spectral region:</i> <i>1980.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1491.1 cts/s/segment</i> <i>brightest pixel: 0.104 cts/s/pix at 1875.0 A</i> <i>Calculation performed 2020-02-24T17:52:48, v0.4</i></p>						

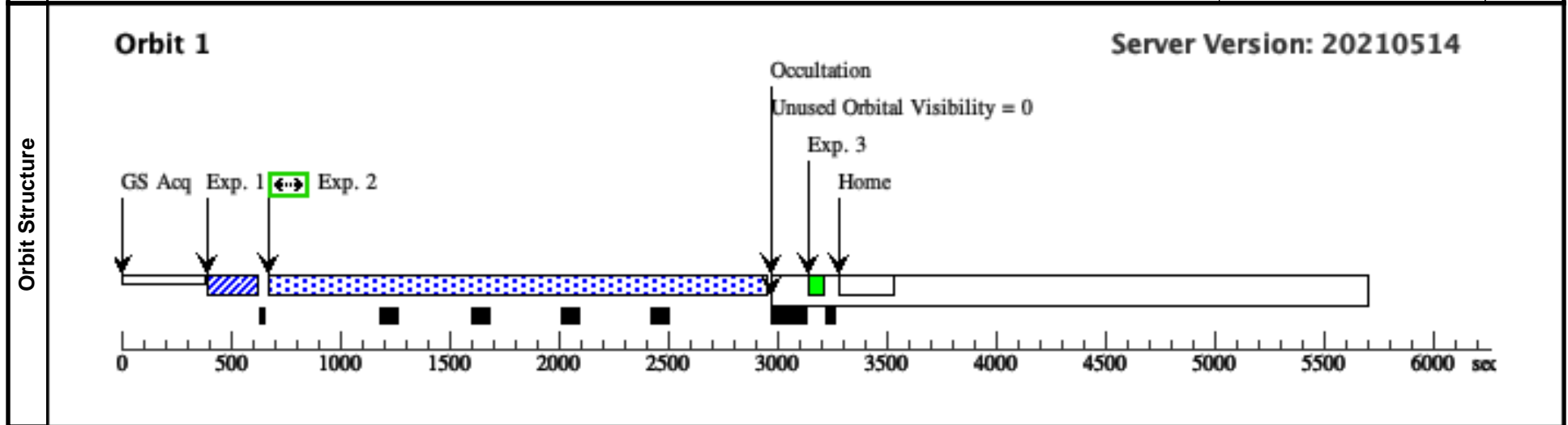




Visit	<p>Proposal 16374, SK-67D195-STIS (2S), completed</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: STIS/NUV-MAMA, STIS/CCD</p> <p>Special Requirements: SCHED 100%</p> <p><i>Comments: vstatus; 2S; SK-67D195; S/STIS approved for submission; S/DW 21/06/21 ; intrev: complete ; P/AF 19/06/21 vcheck; Enter targ name & Inst. & Resp. Sci.; SK-67D195 ; STIS ; DW vcheck; ETC numbers entered in APT?; yes vcheck; Any screening violations?; no vcheck; S/N ETC calcs done & documented?; yes ... E230M/2707, 0.2x0.2, 2160s yields brightest pix 0.042 cts/s (2647.5A), entire detector 3.9k cts/s, BT=512s, S/N~18.5 near 2800A, for adopted SED (CK B6 I model, normalized to STIS G430L spectrum below Balmer jump) vcheck; Field images checked & saved?; yes vcheck; Selected ACQ strategy?; direct acq, F28x50LP, 1 s yields S/N~182 (saturation in 8.9 s) vcheck; Possible ACQ or Sci spoilers?; no -- no other objects in 5"x5" acq box for PID 16230 vcheck; Field BOT clear?; yes -- clearance region dominated by saturated core of target image in DSS, 2MASS vcheck; Visual BOT check for stars not in catalog?; yes vcheck; Orbit packing finalized?; yes vcheck; Buffer times optimized?; yes -- 512s x 0.8 = 410s vcheck; Verify visit grouping correct; n/a vcheck; Is visit ready for int. review?; yes Allocated STIS orbits = 1</i></p>																												
	<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>(2)</td> <td>SK-67D195</td> <td>RA: 05 33 51.9264 (83.4663600d)</td> <td>Proper Motion RA: 1.528 mas/yr</td> <td>V=12.84</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: M2002-LMC-158636</td> <td>Dec: -67 08 2.06 (-67.13391d)</td> <td>Proper Motion Dec: 0.439 mas/yr</td> <td>SpT=B6 I; E(B-V)=0.05; U=12.21; B=12.82; V=12.84</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: SK-67-195</td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: SK-67D195 : [M2002]_158636, Sk -67 195, SK -67 195 Previous name : Sk -67 195 Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv SIMBAD link (SK -67 195): https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-67+195&submit=submit+id SpT = B6 I COS/G130M/c1291 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=12.210 vegamag) COS/G160M/c1611 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=12.210 vegamag) COS/G185M/c1921 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=12.210 vegamag) COS/G185M/c1953 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=12.210 vegamag) COS/G185M/c1986 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=12.210 vegamag) STIS/E140M/c1425 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=12.210 vegamag) STIS/E230M/c1978 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=12.210 vegamag) STIS/E230M/c2707 : rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=12.210 vegamag) Coordinate pedigree: Gaia Calculation performed 2020-02-24T17:52:40, v0.4</i></p> <p><i>tstatus; SK-67D195; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21 tcheck; APT/SIMBAD target names: ; SK-67D195 'SK -67 195' tcheck; Target info verification status?; OK tcheck; Coordinates & P.M. updated?; Yes GAIA DR2 coordinates tcheck; Adopted SED compared to Observations?; OK ... only STIS G430L and U, B, V photometry exist -- match is decent Category=EXT-STAR Description=[B6-B9.5 III-I] Extended=NO</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	SK-67D195	RA: 05 33 51.9264 (83.4663600d)	Proper Motion RA: 1.528 mas/yr	V=12.84	Reference Frame: ICRS		Alt Name1: M2002-LMC-158636	Dec: -67 08 2.06 (-67.13391d)	Proper Motion Dec: 0.439 mas/yr	SpT=B6 I; E(B-V)=0.05; U=12.21; B=12.82; V=12.84			Alt Name2: SK-67-195	Equinox: J2000	Epoch of Position: 2000	
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																								
(2)	SK-67D195	RA: 05 33 51.9264 (83.4663600d)	Proper Motion RA: 1.528 mas/yr	V=12.84	Reference Frame: ICRS																								
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	Alt Name2: SK-67-195	Equinox: J2000	Epoch of Position: 2000																										
Fixed Targets																													

Proposal 16374 - SK-67D195-STIS (2S) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ (1517013)	(2) SK-67D195	STIS/CCD, ACQ, F28X50LP	MIRROR				1.0 Secs (1 Secs) [==>]	[1]
2	E230M/270 7 (1517123)	(2) SK-67D195	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	WAVECAL=NO; BUFFER-TIME=41 0.0			2162 Secs (2162 Secs) [==>]	[1]
<p>Comments: rn(ck04models(B6I,Teff=12826,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=12.210 vegamag); stis,nuvmama,e230m,c2707,0.2x0.2,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B6 I --> B6 I SED = SK-67D195_STIS_E230M_c2707_sed.fits For exptime=2494.9 s, spectral region: 2800.0 +- 0.5 A achieves SNR=20.0/resel global countrate (brightest segment): 3996.6 cts/s/segment brightest pixel: 0.045 cts/s/pix at 2647.5 A Calculation performed 2020-02-24T17:52:53, v0.4</p>									
3	E230M/270 7 WAVECA L	WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				[==>]	[1]



Visit	<p>Proposal 16374, SK-67D197-COS (3C), scheduling</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%</p> <p><i>Comments: vstatus; 3C; SK-67D197; P/COS approved for submission ; P/RS 20/06/21 ; intrev: complete ; P/AF 18/06/21 vcheck; Enter targ name & Inst. & Resp. Sci.; SK-67D197 'SK -67 197' ; COS ; RS vcheck; ETC numbers entered in APT?; Yes vcheck; Any screening violations?; No vcheck; S/N ETC calcs done & documented?; N/A vcheck; Field images checked & saved?; Yes vcheck; Selected ACQ strategy?; COS PSA 1291 Spectroscopic ... There is at least one source noted in the Zaritsky catalog (V=17.3) that may be too bright for PSA/MirrorA vcheck; Possible ACQ or Sci spoilers?; No vcheck; Field BOT clear?; GSCII reports the target as unsafe assuming it to be an O5V, an unknown PSA source is reported but a visual examination of the field, and the Zaritsky catalog show that there is no other source vcheck; Visual BOT check for stars not in catalog?; OK vcheck; Orbit packing finalized?; Yes ... Only two FP-POS were used for each of the NUV modes to make efficient use of the time in each orbit. vcheck; Buffer times optimized?; Yes vcheck; Verify visit grouping correct; N/A vcheck; Is visit ready for int. review?; Yes Allocated COS orbits = 3</i></p>																													
	<p>Diagnosics</p> <p>(SK-67D197-COS (3C)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p> <p>(SK-67D197-COS (3C)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</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>(3)</td> <td>SK-67D197</td> <td>RA: 05 33 59.0716 (83.4961317d)</td> <td>Proper Motion RA: 1.581 mas/yr</td> <td>V=12.34</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: SK-67-197</td> <td>Dec: -67 32 15.77 (-67.53771d)</td> <td>Proper Motion Dec: 0.817 mas/yr</td> <td>SpT=B7 I; E(B-V)=0.05; U=11.63; B=12.35; V=12.34</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: M2002-LMC-158955</td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> </tbody> </table> <p><i>Comments: SK-67D197 : [M2002]_158955, Sk -67 197, SK -67 197 Previous name : Sk -67 197 Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv SIMBAD link (SK -67 197): https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-67+197&submit=submit+id SpT = B7 I COS/G130M/c1291 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag) COS/G160M/c1611 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag) COS/G185M/c1921 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag) COS/G185M/c1953 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag) COS/G185M/c1986 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag) STIS/E140M/c1425 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag) STIS/E230M/c1978 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag) STIS/E230M/c2707 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag) Coordinate pedigree: Gaia Calculation performed 2020-02-24T17:52:53, v0.4</i></p> <hr/> <p><i>tsstatus; SK-67D197; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21 tcheck; APT/SIMBAD target names: ; SK-67D197 'SK -67 197' tcheck; Target info verification status?; OK ... Simbad spectral type is A0Ia -- adopted B7 I (Rousseau et al. 1978) tcheck; Coordinates & P.M. updated?; Yes GAIA DR2 coordinates tcheck; Adopted SED compared to Observations?; OK ... hard to match both swp and lwp -- model overestimates Balmer jump Category=EXT-STAR Description=[B6-B9.5 III-I] Extended=NO</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	SK-67D197	RA: 05 33 59.0716 (83.4961317d)	Proper Motion RA: 1.581 mas/yr	V=12.34	Reference Frame: ICRS		Alt Name1: SK-67-197	Dec: -67 32 15.77 (-67.53771d)	Proper Motion Dec: 0.817 mas/yr	SpT=B7 I; E(B-V)=0.05; U=11.63; B=12.35; V=12.34			Alt Name2: M2002-LMC-158955	Equinox: J2000	Epoch of Position: 2000		
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																								
(3)	SK-67D197	RA: 05 33 59.0716 (83.4961317d)	Proper Motion RA: 1.581 mas/yr	V=12.34	Reference Frame: ICRS																									
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	Alt Name2: M2002-LMC-158955	Equinox: J2000	Epoch of Position: 2000																											

Proposal 16374 - SK-67D197-COS (3C) - ULLYSES LMC late-B Stars COS and STIS

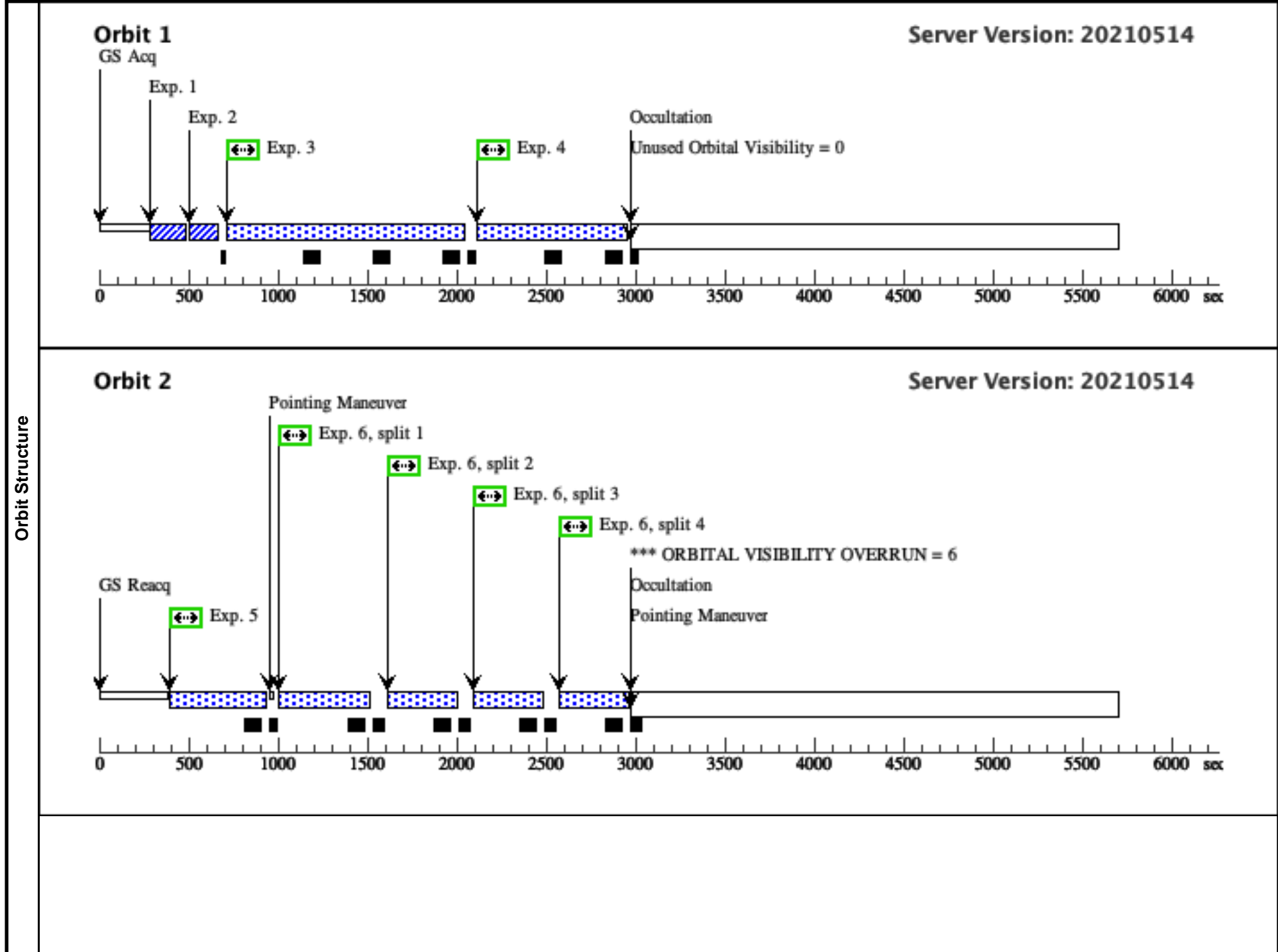
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ/PEAK XD (COS.sa.147 3623)	(3) SK-67D197	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	CENTER=FLUX-W T; NUM-POS=3; STEP-SIZE=1.3; SEGMENT=BOTH		2 Secs (2 Secs) [==>]	[1]	
	2	ACQ/PEAK D (COS.sa.147 3623)	(3) SK-67D197	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; SEGMENT=BOTH		2 Secs (2 Secs) [==>]	[1]	
	3	G130M/129 1-3 (COS.sp.147 3624)	(3) SK-67D197	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=39 0; FP-POS=3		1280 Secs (1280 Secs) [==>]	[1]	
	<p><i>Comments: rn(ck04models(B71,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B7 I --> B7 I</i> <i>SED = SK-67D197_COS_G130M_c1291_sed.fits</i> <i>For exptime=2561.7 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 2273.0 cts/s/segment</i> <i>brightest pixel: 0.037 cts/s/pix at 1277.0 A</i> <i>Calculation performed 2020-02-24T17:52:57, v0.4</i></p>									
	4	G130M/129 1-4-i (COS.sp.147 3624)	(3) SK-67D197	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=33 8.0; FP-POS=4		785 Secs (785 Secs) [==>]	[1]	
<p><i>Comments: rn(ck04models(B71,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B7 I --> B7 I</i> <i>SED = SK-67D197_COS_G130M_c1291_sed.fits</i> <i>For exptime=2561.7 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 2273.0 cts/s/segment</i> <i>brightest pixel: 0.037 cts/s/pix at 1277.0 A</i> <i>Calculation performed 2020-02-24T17:52:57, v0.4</i></p>										
5	G130M/129 1-4-ii (COS.sp.147 3624)	(3) SK-67D197	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=38 5.0; FP-POS=4		495 Secs (495 Secs) [==>]	[2]		
<p><i>Comments: rn(ck04models(B71,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B7 I --> B7 I</i> <i>SED = SK-67D197_COS_G130M_c1291_sed.fits</i> <i>For exptime=2561.7 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 2273.0 cts/s/segment</i> <i>brightest pixel: 0.037 cts/s/pix at 1277.0 A</i> <i>Calculation performed 2020-02-24T17:52:57, v0.4</i></p>										

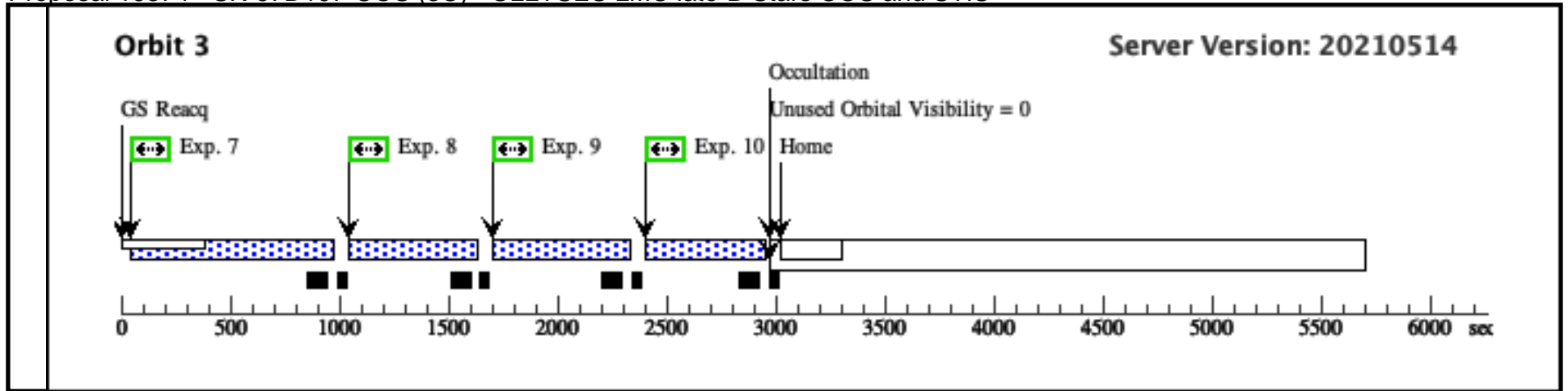
Proposal 16374 - SK-67D197-COS (3C) - ULLYSES LMC late-B Stars COS and STIS

6	G160M/161 1 (COS.sp.147 3625)	(3) SK-67D197	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=22 7; FP-POS=ALL	337 Secs (1348 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
<p>Comments: rn(ck04models(B71,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None) From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B7 I --> B7 I SED = SK-67D197_COS_G160M_c1611_sed.fits For exptime=1270.7 s, spectral region: 1590.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 2464.4 cts/s/segment brightest pixel: 0.036 cts/s/pix at 1447.0 A Calculation performed 2020-02-24T17:53:00, v0.4</p>							
7	G185M/195 3-2 (COS.sp.147 3626)	(3) SK-67D197	COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=46 0; FP-POS=2	570 Secs (570 Secs) [==>]	[3]
<p>Comments: rn(ck04models(B71,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); cos,nuv,g185m,c1953,psa,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B7 I --> B7 I SED = SK-67D197_COS_G185M_c1953_sed.fits For exptime=1133.4 s, spectral region: 1860.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 1774.2 cts/s/segment brightest pixel: 0.149 cts/s/pix at 1872.0 A Calculation performed 2020-02-24T17:53:00, v0.4</p>							
8	G185M/195 3-3 (COS.sp.147 3626)	(3) SK-67D197	COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=46 0; FP-POS=3	570 Secs (570 Secs) [==>]	[3]
<p>Comments: rn(ck04models(B71,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); cos,nuv,g185m,c1953,psa,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B7 I --> B7 I SED = SK-67D197_COS_G185M_c1953_sed.fits For exptime=1133.4 s, spectral region: 1860.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 1774.2 cts/s/segment brightest pixel: 0.149 cts/s/pix at 1872.0 A Calculation performed 2020-02-24T17:53:00, v0.4</p>							
9	G185M/198 6-3 (COS.sp.147 3627)	(3) SK-67D197	COS/NUV, TIME-TAG, PSA	G185M 1986 A	BUFFER-TIME=42 8; FP-POS=3	538 Secs (538 Secs) [==>]	[3]
<p>Comments: rn(ck04models(B71,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); cos,nuv,g185m,c1986,psa,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B7 I --> B7 I SED = SK-67D197_COS_G185M_c1986_sed.fits For exptime=1022.0 s, spectral region: 1980.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 1786.7 cts/s/segment brightest pixel: 0.155 cts/s/pix at 1875.0 A Calculation performed 2020-02-24T17:53:01, v0.4</p>							

Proposal 16374 - SK-67D197-COS (3C) - ULLYSES LMC late-B Stars COS and STIS

10	G185M/198 (3) SK-67D197 6-4 (COS.sp.147 3627)	COS/NUV, TIME-TAG, PSA	G185M 1986 A	BUFFER-TIME=42 8; FP-POS=4	538 Secs (538 Secs)	
					[==>]	[3]
<p><i>Comments: rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); cos,nuv.g185m,c1986,psa,mjd#59305</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B7 I --> B7 I</i> <i>SED = SK-67D197_COS_G185M_c1986_sed.fits</i> <i>For exptime=1022.0 s, spectral region:</i> <i>1980.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 1786.7 cts/s/segment</i> <i>brightest pixel: 0.155 cts/s/pix at 1875.0 A</i> <i>Calculation performed 2020-02-24T17:53:01, v0.4</i></p>						





Proposal 16374, SK-67D197-STIS (3S), completed

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD

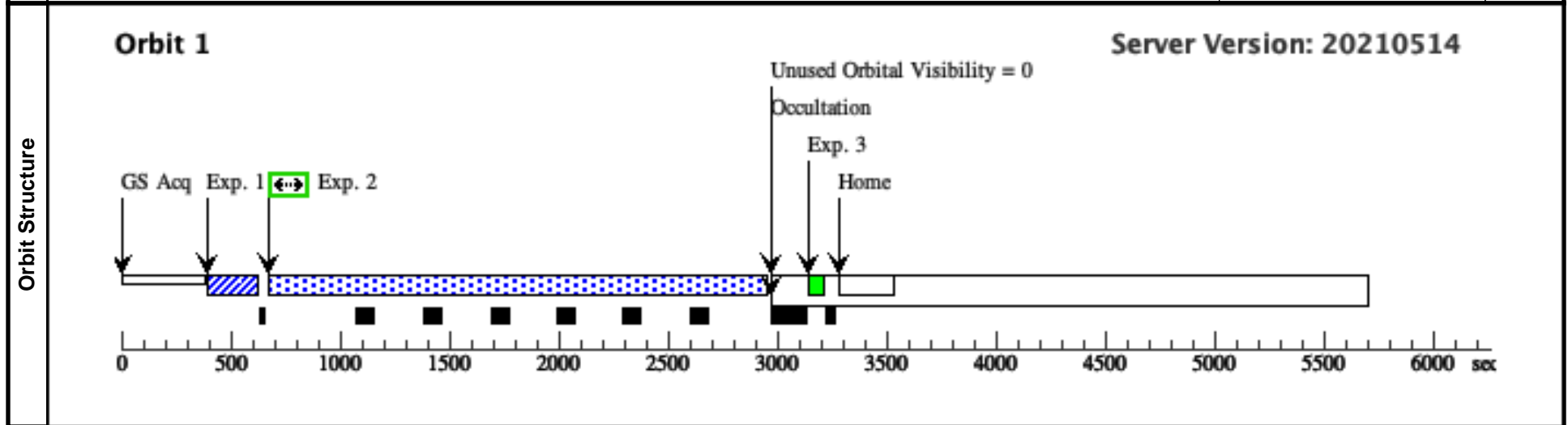
Special Requirements: SCHED 100%

Comments: vstatus; 3S; SK-67D197; S/STIS approved for submission; S/DW 21/06/21 ; intrev: complete ; P/AF 06/19/21
vcheck; Enter targ name & Inst. & Resp. Sci.; SK-67D197 ; STIS ; DW
vcheck; ETC numbers entered in APT?; yes
vcheck; Any screening violations?; no
vcheck; S/N ETC calcs done & documented?; yes ...
E230M/2707, 0.2x0.2, 2165s yields brightest pix 0.080 cts/s (2676.6A), entire detector 5.3k cts/s, BT=380s, S/N~27 near 2800A for observed IUE spectrum
vcheck; Field images checked & saved?; yes
vcheck; Selected ACQ strategy?; direct acq, F28x50LP, 0.7 s yields S/N~191 (saturation in 5.6 s)
vcheck; Possible ACQ or Sci spoilers?; no -- 5"x5" acq box for PID 16230 shows no other object
vcheck; Field BOT clear?; yes -- clearance region dominated by saturated core of target in DSS, 2MASS images
vcheck; Visual BOT check for stars not in catalog?; yes
vcheck; Orbit packing finalized?; yes
vcheck; Buffer times optimized?; yes -- 380 s x 0.8 = 304 s
vcheck; Verify visit grouping correct; n/a
vcheck; Is visit ready for int. review?; yes
 Allocated STIS orbits = 1

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SK-67D197	RA: 05 33 59.0716 (83.4961317d)	Proper Motion RA: 1.581 mas/yr	V=12.34	Reference Frame: ICRS
	Alt Name1: SK-67-197	Dec: -67 32 15.77 (-67.53771d)	Proper Motion Dec: 0.817 mas/yr	SpT=B7 I; E(B-V)=0.05; U=11.63	
	Alt Name2: M2002-LMC-158955	Equinox: J2000	Epoch of Position: 2000	B=12.35; V=12.34	
<p><i>Comments: SK-67D197 : [M2002]_158955, Sk -67 197, SK -67 197</i> <i>Previous name : Sk -67 197</i> <i>Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>SIMBAD link (SK -67 197): https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-67+197&submit=submit+id</i> <i>SpT = B7 I</i> <i>COS/G130M/c1291 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=11.630 vegamag)</i> <i>COS/G160M/c1611 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=11.630 vegamag)</i> <i>COS/G185M/c1921 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=11.630 vegamag)</i> <i>COS/G185M/c1953 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=11.630 vegamag)</i> <i>COS/G185M/c1986 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=11.630 vegamag)</i> <i>STIS/E140M/c1425 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=11.630 vegamag)</i> <i>STIS/E230M/c1978 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=11.630 vegamag)</i> <i>STIS/E230M/c2707 : rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcav=0.050), johnson U mag=11.630 vegamag)</i> Coordinate pedigree: Gaia Calculation performed 2020-02-24T17:52:53, v0.4</p> <hr/> <p><i>tstatus: SK-67D197; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21</i> <i>tcheck; APT/SIMBAD target names: ; SK-67D197 'SK -67 197'</i> <i>tcheck; Target info verification status?; OK ...</i> <i>Simbad spectral type is A0Ia -- adopted B7 I (Rousseau et al. 1978)</i> <i>tcheck; Coordinates & P.M. updated?; Yes GAIA DR2 coordinates</i> <i>tcheck; Adopted SED compared to Observations?; OK ...</i> <i>hard to match both swp and lwp -- model overestimates Balmer jump</i> Category=EXT-STAR Description=[B6-B9.5 III-I] Extended=NO</p>					

Proposal 16374 - SK-67D197-STIS (3S) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ (1517014)	(3) SK-67D197	STIS/CCD, ACQ, F28X50LP	MIRROR				0.7 Secs (0.7 Secs) [==>]	[1]
2	E230M/270 7 (1517107)	(3) SK-67D197	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	WAVECAL=NO; BUFFER-TIME=30 4.0			2164 Secs (2164 Secs) [==>]	[1]
<p>Comments: <i>rn(ck04models(B7I,Teff=12052,metallicity=0.008,logG=2.5) (extinction lmcavg=0.050), johnson U mag=11.630 vegamag); stis,nuvmama,e230m,c2707,0.2x0.2,mjd#59305</i> From file <i>LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> Spectral type: <i>B7 I --> B7 I</i> SED = <i>SK-67D197_STIS_E230M_c2707_sed.fits</i> For <i>exptime=1582.6 s, spectral region:</i> <i>2800.0 +- 0.5 A achieves SNR=20.0/resel</i> <i>global countrate (brightest segment): 4880.2 cts/s/segment</i> <i>brightest pixel: 0.068 cts/s/pix at 2647.5 A</i> Calculation performed 2020-02-24T17:53:05, v0.4</p>									
3	E230M/270 7 WAVECA L	WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				[==>]	[1]



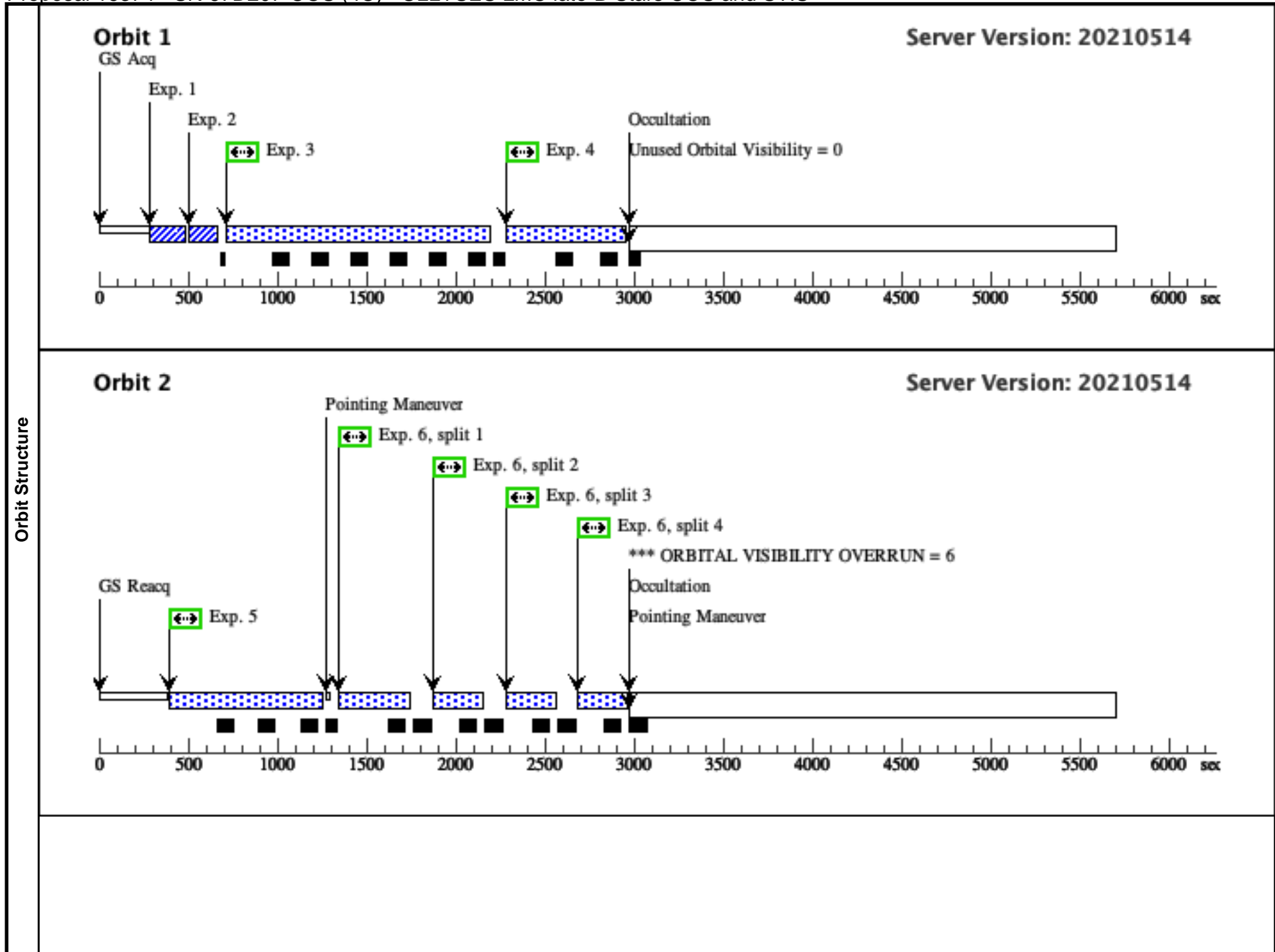
Visit	<p>Proposal 16374, SK-67D207-COS (4C), failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%</p> <p><i>Comments: vstatus; 4C; SK-67D207; P/COS approved for submission ; P/RS 20/06/21 ; intrev: complete ; P/AF 18/06/21</i> <i>vcheck; Enter targ name & Inst. & Resp. Sci.; SK-67D207 'SK -67 207' ; COS ; RS</i> <i>vcheck; ETC numbers entered in APT?; Yes</i> <i>vcheck; Any screening violations?; None but ...</i> <i>For the G160M/1611 exposures, count rates are at 41% (Seg B) of the limit, the 40% warning for irregular variable sources is triggered.</i> <i>vcheck; S/N ETC calcs done & documented?; N/A</i> <i>vcheck; Field images checked & saved?; Yes</i> <i>vcheck; Selected ACQ strategy?; COS PSA 1291 Spectroscopic ...</i> <i>There is at least one star (V=17.6) and maybe one other (V=17.5) in the Zaritsky catalog that will be too bright for PSA/MirrorA</i> <i>vcheck; Possible ACQ or Sci spoilers?; No</i> <i>vcheck; Field BOT clear?; GSCII reports the target as unsafe assuming O5V, and reports four safe BOA sources</i> <i>vcheck; Visual BOT check for stars not in catalog?; OK</i> <i>vcheck; Orbit packing finalized?; Yes ...</i> <i>The G160M/1611 exposure times were increased to get S/N~30 at the longest wavelengths and NUV exposures were expanded to boost the S/N to over 40 across the bandpass.</i> <i>vcheck; Buffer times optimized?; Yes</i> <i>vcheck; Verify visit grouping correct; N/A</i> <i>vcheck; Is visit ready for int. review?; Yes</i> <i>Allocated COS orbits = 3</i></p>																													
	<p>Diagnosics</p> <p>(SK-67D207-COS (4C)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</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>(4)</td> <td>SK-67D207</td> <td>RA: 05 34 55.4643 (83.7311012d)</td> <td>Proper Motion RA: 1.524 mas/yr</td> <td>V=10.51</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: SK-67-207</td> <td>Dec: -67 21 6.91 (-67.35192d)</td> <td>Proper Motion Dec: 0.816 mas/yr</td> <td>SpT=B9 Ia; E(B-V)=0.06; U=10</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: SK-67207</td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td>.04; B=10.57; V=10.51</td> <td></td> </tr> </tbody> </table> <p><i>Comments: SK-67D207 : Sk -67 207, Sk_-67207, SK -67 207</i> <i>Previous name : Sk -67 207</i> <i>Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>SIMBAD link (SK -67 207): https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-67+207&submit=submit+id</i> <i>SpT = B9 Ia</i> <i>COS/G130M/c1291 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>COS/G160M/c1611 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>COS/G185M/c1921 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>COS/G185M/c1953 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>COS/G185M/c1986 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>STIS/E140M/c1425 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>STIS/E230M/c1978 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>STIS/E230M/c2707 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>Coordinate pedigree: Gaia</i> <i>Calculation performed 2020-02-24T17:53:17, v0.4</i></p> <p>----- <i>tstatus; SK-67D207; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21</i> <i>tcheck; APT/SIMBAD target names: ; SK-67D207 'SK -67 207' ...</i> <i>Simbad default is HD 269801</i> <i>tcheck; Target info verification status?; OK</i> <i>tcheck; Coordinates & P.M. updated?; Yes GAIA DR2 coordinates</i> <i>tcheck; Adopted SED compared to Observations?; OK ...</i> <i>The IUE spectra included are actually of a WR star about 25 arcsec away. The c1291 sed is normalized to the U magnitude and is usable. STIS G430L spectra are available -- E230M/2707 model is normalized to match shortward of the Balmer jump -- the jump itself is overestimated</i> <i>Category=EXT-STAR</i> <i>Description=[B6-B9.5 III-I]</i> <i>Extended=NO</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	SK-67D207	RA: 05 34 55.4643 (83.7311012d)	Proper Motion RA: 1.524 mas/yr	V=10.51	Reference Frame: ICRS		Alt Name1: SK-67-207	Dec: -67 21 6.91 (-67.35192d)	Proper Motion Dec: 0.816 mas/yr	SpT=B9 Ia; E(B-V)=0.06; U=10			Alt Name2: SK-67207	Equinox: J2000	Epoch of Position: 2000	.04; B=10.57; V=10.51	
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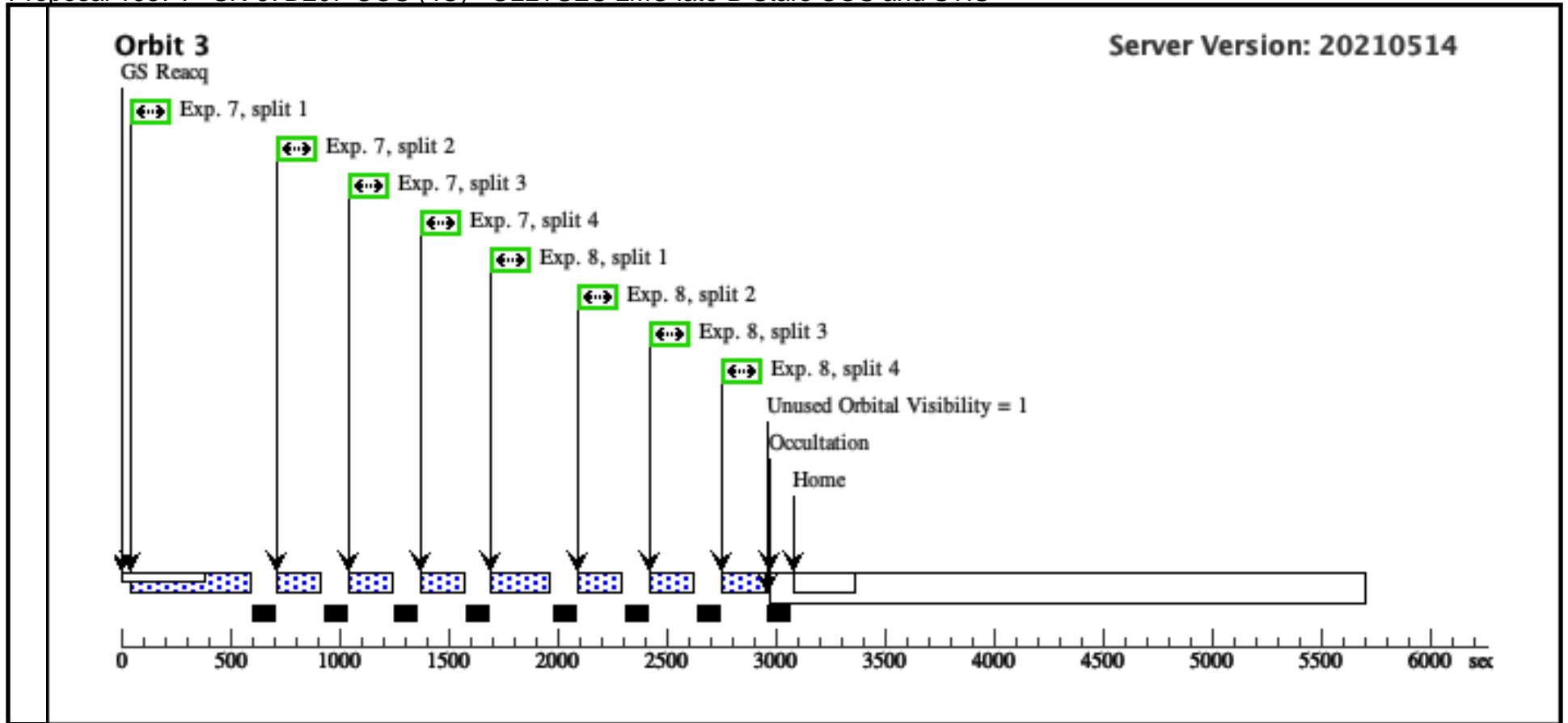
Proposal 16374 - SK-67D207-COS (4C) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ/PEAK XD (COS.sa.147 3653)	(4) SK-67D207	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	CENTER=FLUX-W T; NUM-POS=3; STEP-SIZE=1.3; SEGMENT=BOTH		2.0 Secs (2 Secs) [==>]	[1]	
	2	ACQ/PEAK D (COS.sa.147 3653)	(4) SK-67D207	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; SEGMENT=BOTH		2.0 Secs (2 Secs) [==>]	[1]	
	3	G130M/129 1-3 (COS.sp.147 3654)	(4) SK-67D207	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=22 0; FP-POS=3		1430 Secs (1430 Secs) [==>]	[1]	
	<p><i>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B9 Ia --> B9 I</i> <i>SED = SK-67D207_COS_G130M_c1291_sed.fits</i> <i>For exptime=2366.9 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 4953.3 cts/s/segment</i> <i>brightest pixel: 0.072 cts/s/pix at 1345.0 A</i> <i>Calculation performed 2020-02-24T17:53:21, v0.4</i></p>									
	4	G130M/129 1-4-i (COS.sp.147 3654)	(4) SK-67D207	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 4; FP-POS=4		616 Secs (616 Secs) [==>]	[1]	
<p><i>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B9 Ia --> B9 I</i> <i>SED = SK-67D207_COS_G130M_c1291_sed.fits</i> <i>For exptime=2366.9 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 4953.3 cts/s/segment</i> <i>brightest pixel: 0.072 cts/s/pix at 1345.0 A</i> <i>Calculation performed 2020-02-24T17:53:21, v0.4</i></p>										
5	G130M/129 1-4-ii (COS.sp.147 3654)	(4) SK-67D207	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=23 5; FP-POS=4		814 Secs (814 Secs) [==>]	[2]		
<p><i>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> <i>From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>Spectral type: B9 Ia --> B9 I</i> <i>SED = SK-67D207_COS_G130M_c1291_sed.fits</i> <i>For exptime=2366.9 s, spectral region:</i> <i>1150.0 +- 0.5 A achieves SNR=30.0/resel</i> <i>global countrate (brightest segment): 4953.3 cts/s/segment</i> <i>brightest pixel: 0.072 cts/s/pix at 1345.0 A</i> <i>Calculation performed 2020-02-24T17:53:21, v0.4</i></p>										

Proposal 16374 - SK-67D207-COS (4C) - ULLYSES LMC late-B Stars COS and STIS

6	G160M/161 1 (COS.sp.147 3658)	(4) SK-67D207 COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=11 4; FP-POS=ALL	224 Secs (896 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
<p>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None) From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G160M_c1611_sed.fits For exptime=477.9 s, spectral region: 1590.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 6128.5 cts/s/segment brightest pixel: 0.090 cts/s/pix at 1447.0 A Calculation performed 2020-02-24T17:53:24, v0.4</p>						
7	G185M/195 3 (COS.sp.147 3659)	(4) SK-67D207 COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=18 3; FP-POS=ALL	183 Secs (732 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[3]
<p>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,nuv,g185m,c1953,psa,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G185M_c1953_sed.fits For exptime=373.4 s, spectral region: 1860.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 3478.4 cts/s/segment brightest pixel: 0.444 cts/s/pix at 1971.0 A Calculation performed 2020-02-24T17:53:25, v0.4</p>						
8	G185M/198 6 (COS.sp.147 3660)	(4) SK-67D207 COS/NUV, TIME-TAG, PSA	G185M 1986 A	BUFFER-TIME=18 4; FP-POS=ALL	184 Secs (736 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[3]
<p>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,nuv,g185m,c1986,psa,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G185M_c1986_sed.fits For exptime=332.8 s, spectral region: 1980.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 3528.6 cts/s/segment brightest pixel: 0.450 cts/s/pix at 1875.0 A Calculation performed 2020-02-24T17:53:25, v0.4</p>						





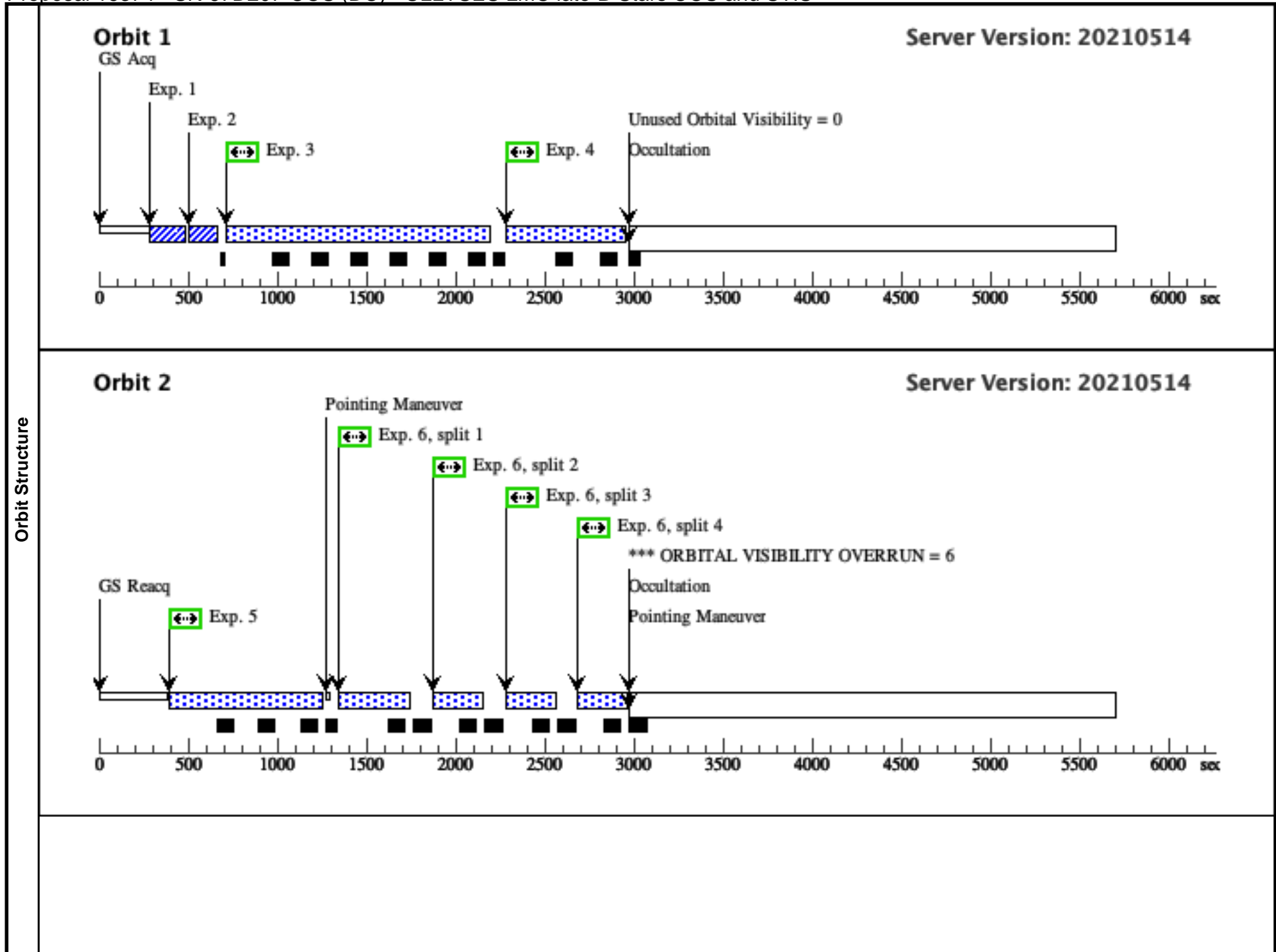
Visit	<p>Proposal 16374, SK-67D207-COS (DC)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%</p> <p><i>Comments: vstatus; 4C; SK-67D207; P/COS approved for submission ; P/RS 20/06/21 ; intrev: complete ; P/AF 18/06/21</i> <i>vcheck; Enter targ name & Inst. & Resp. Sci.; SK-67D207 'SK -67 207' ; COS ; RS</i> <i>vcheck; ETC numbers entered in APT?; Yes</i> <i>vcheck; Any screening violations?; None but ...</i> <i>For the G160M/1611 exposures, count rates are at 41% (Seg B) of the limit, the 40% warning for irregular variable sources is triggered.</i> <i>vcheck; S/N ETC calcs done & documented?; N/A</i> <i>vcheck; Field images checked & saved?; Yes</i> <i>vcheck; Selected ACQ strategy?; COS PSA 1291 Spectroscopic ...</i> <i>There is at least one star (V=17.6) and maybe one other (V=17.5) in the Zaritsky catalog that will be too bright for PSA/MirrorA</i> <i>vcheck; Possible ACQ or Sci spoilers?; No</i> <i>vcheck; Field BOT clear?; GSCII reports the target as unsafe assuming O5V, and reports four safe BOA sources</i> <i>vcheck; Visual BOT check for stars not in catalog?; OK</i> <i>vcheck; Orbit packing finalized?; Yes ...</i> <i>The G160M/1611 exposure times were increased to get S/N~30 at the longest wavelengths and NUV exposures were expanded to boost the S/N to over 40 across the bandpass.</i> <i>vcheck; Buffer times optimized?; Yes</i> <i>vcheck; Verify visit grouping correct; N/A</i> <i>vcheck; Is visit ready for int. review?; Yes</i> <i>Allocated COS orbits = 3</i></p>																													
	Diagnostics	<p>(SK-67D207-COS (DC)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</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>(4)</td> <td>SK-67D207</td> <td>RA: 05 34 55.4643 (83.7311012d)</td> <td>Proper Motion RA: 1.524 mas/yr</td> <td>V=10.51</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: SK-67-207</td> <td>Dec: -67 21 6.91 (-67.35192d)</td> <td>Proper Motion Dec: 0.816 mas/yr</td> <td>SpT=B9 Ia; E(B-V)=0.06; U=10</td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: SK-67207</td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td>.04; B=10.57; V=10.51</td> <td></td> </tr> </tbody> </table> <p><i>Comments: SK-67D207 : Sk -67 207, Sk_-67207, SK -67 207</i> <i>Previous name : Sk -67 207</i> <i>Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv</i> <i>SIMBAD link (SK -67 207): https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-67+207&submit=submit+id</i> <i>SpT = B9 Ia</i> <i>COS/G130M/c1291 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>COS/G160M/c1611 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>COS/G185M/c1921 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>COS/G185M/c1953 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>COS/G185M/c1986 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>STIS/E140M/c1425 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>STIS/E230M/c1978 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>STIS/E230M/c2707 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag)</i> <i>Coordinate pedigree: Gaia</i> <i>Calculation performed 2020-02-24T17:53:17, v0.4</i></p> <p>----- <i>tstatus; SK-67D207; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21</i> <i>tcheck; APT/SIMBAD target names: ; SK-67D207 'SK -67 207' ...</i> <i>Simbad default is HD 269801</i> <i>tcheck; Target info verification status?; OK</i> <i>tcheck; Coordinates & P.M. updated?; Yes GAIA DR2 coordinates</i> <i>tcheck; Adopted SED compared to Observations?; OK ...</i> <i>The IUE spectra included are actually of a WR star about 25 arcsec away. The c1291 sed is normalized to the U magnitude and is usable. STIS G430L spectra are available -- E230M/2707 model is normalized to match shortward of the Balmer jump -- the jump itself is overestimated</i> <i>Category=EXT-STAR</i> <i>Description=[B6-B9.5 III-I]</i> <i>Extended=NO</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	SK-67D207	RA: 05 34 55.4643 (83.7311012d)	Proper Motion RA: 1.524 mas/yr	V=10.51	Reference Frame: ICRS		Alt Name1: SK-67-207	Dec: -67 21 6.91 (-67.35192d)	Proper Motion Dec: 0.816 mas/yr	SpT=B9 Ia; E(B-V)=0.06; U=10			Alt Name2: SK-67207	Equinox: J2000	Epoch of Position: 2000	.04; B=10.57; V=10.51	
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																									
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	Alt Name2: SK-67207	Equinox: J2000	Epoch of Position: 2000	.04; B=10.57; V=10.51																										

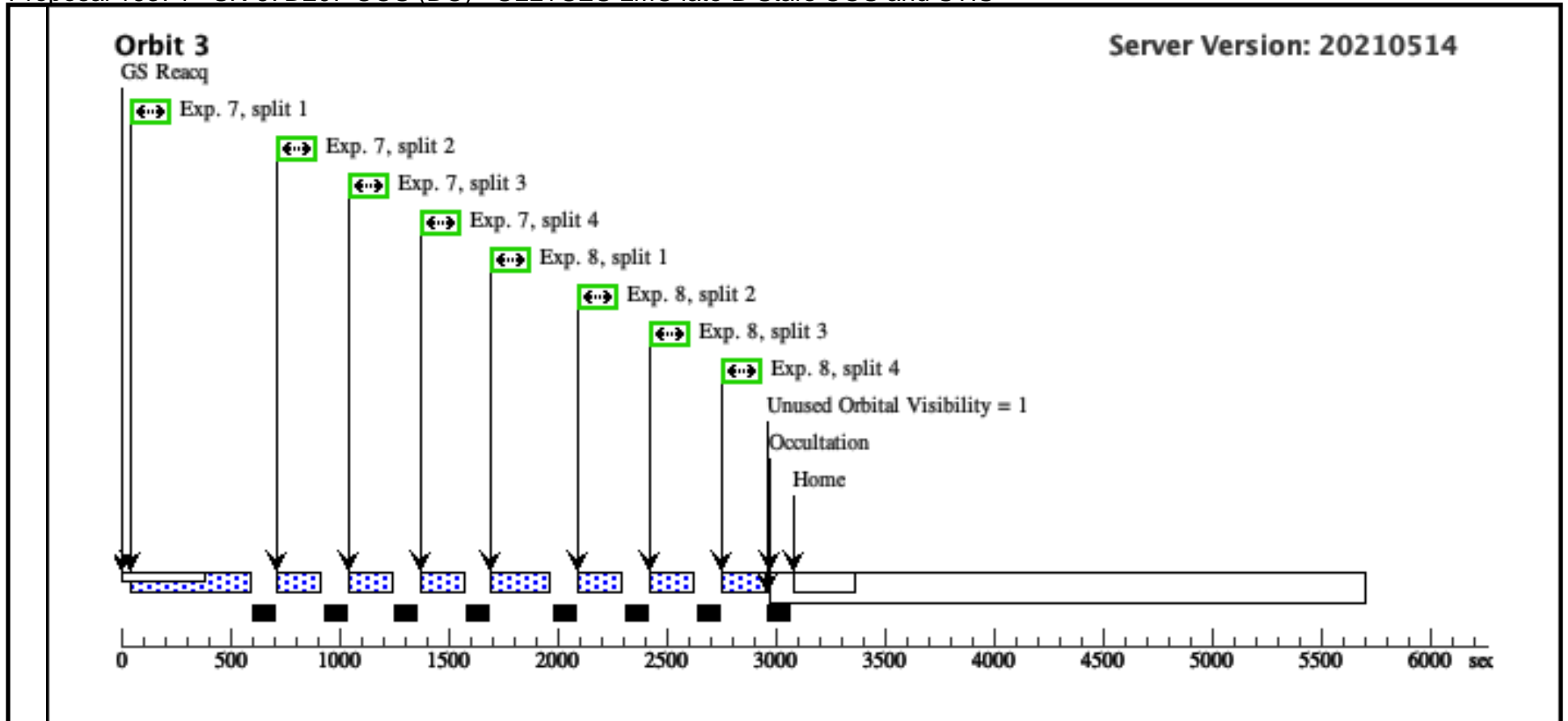
Proposal 16374 - SK-67D207-COS (DC) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ/PEAK XD (COS.sa.147 3653)	(4) SK-67D207	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A	CENTER=FLUX-W T; NUM-POS=3; STEP-SIZE=1.3; SEGMENT=BOTH		2.0 Secs (2 Secs) [==>]	[1]	
	2	ACQ/PEAK D (COS.sa.147 3653)	(4) SK-67D207	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	CENTER=FLUX-W T-FLR; NUM-POS=5; STEP-SIZE=0.9; SEGMENT=BOTH		2.0 Secs (2 Secs) [==>]	[1]	
	3	G130M/129 1-3 (COS.sp.147 3654)	(4) SK-67D207	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=22 0; FP-POS=3		1430 Secs (1430 Secs) [==>]	[1]	
	<p><i>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G130M_c1291_sed.fits For exptime=2366.9 s, spectral region: 1150.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 4953.3 cts/s/segment brightest pixel: 0.072 cts/s/pix at 1345.0 A Calculation performed 2020-02-24T17:53:21, v0.4</p>									
	4	G130M/129 1-4-i (COS.sp.147 3654)	(4) SK-67D207	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=24 4; FP-POS=4		616 Secs (616 Secs) [==>]	[1]	
<p><i>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G130M_c1291_sed.fits For exptime=2366.9 s, spectral region: 1150.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 4953.3 cts/s/segment brightest pixel: 0.072 cts/s/pix at 1345.0 A Calculation performed 2020-02-24T17:53:21, v0.4</p>										
5	G130M/129 1-4-ii (COS.sp.147 3654)	(4) SK-67D207	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=23 5; FP-POS=4		814 Secs (814 Secs) [==>]	[2]		
<p><i>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,fuv,g130m,c1291,psa,mjd#59305; fp-pos=None, segment=None)</i> From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G130M_c1291_sed.fits For exptime=2366.9 s, spectral region: 1150.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 4953.3 cts/s/segment brightest pixel: 0.072 cts/s/pix at 1345.0 A Calculation performed 2020-02-24T17:53:21, v0.4</p>										

Proposal 16374 - SK-67D207-COS (DC) - ULLYSES LMC late-B Stars COS and STIS

6	G160M/161 1 (COS.sp.147 3658)	(4) SK-67D207 COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=11 4; FP-POS=ALL	224 Secs (896 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]
<p>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,fuv,g160m,c1611,psa,mjd#59305; fp-pos=None, segment=None) From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G160M_c1611_sed.fits For exptime=477.9 s, spectral region: 1590.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 6128.5 cts/s/segment brightest pixel: 0.090 cts/s/pix at 1447.0 A Calculation performed 2020-02-24T17:53:24, v0.4</p>						
7	G185M/195 3 (COS.sp.147 3659)	(4) SK-67D207 COS/NUV, TIME-TAG, PSA	G185M 1953 A	BUFFER-TIME=18 3; FP-POS=ALL	183 Secs (732 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[3]
<p>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,nuv,g185m,c1953,psa,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G185M_c1953_sed.fits For exptime=373.4 s, spectral region: 1860.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 3478.4 cts/s/segment brightest pixel: 0.444 cts/s/pix at 1971.0 A Calculation performed 2020-02-24T17:53:25, v0.4</p>						
8	G185M/198 6 (COS.sp.147 3660)	(4) SK-67D207 COS/NUV, TIME-TAG, PSA	G185M 1986 A	BUFFER-TIME=18 4; FP-POS=ALL	184 Secs (736 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[3]
<p>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); cos,nuv,g185m,c1986,psa,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_COS_G185M_c1986_sed.fits For exptime=332.8 s, spectral region: 1980.0 +- 0.5 A achieves SNR=30.0/resel global countrate (brightest segment): 3528.6 cts/s/segment brightest pixel: 0.450 cts/s/pix at 1875.0 A Calculation performed 2020-02-24T17:53:25, v0.4</p>						





Proposal 16374, SK-67D207-STIS (4S), completed

Diagnostic Status: No Diagnostics

Scientific Instruments: STIS/NUV-MAMA, STIS/CCD

Special Requirements: SCHED 100%

Comments: vstatus; 4S; SK-67D207; S/STIS approved for submission; S/DW 21/06/21 ; intrev: complete ; P/AF 19/06/21
vcheck; Enter targ name & Inst. & Resp. Sci.; SK-67D207 ; STIS ; DW
vcheck; ETC numbers entered in APT?; yes
vcheck; Any screening violations?; no
vcheck; S/N ETC calcs done & documented?; yes ...
E230M/2707, 0.2x0.2, 2165s yields brightest pix 0.262 cts/s (2647.5A), entire detector 12.2k cts/s, BT=163s, S/N~50 near 2800A -- using adopted SED (CK B9 I model, normalized to STIS G430L spectrum below Balmer jump)
vcheck; Field images checked & saved?; yes
vcheck; Selected ACQ strategy?; direct acq, F28x50LP, 0.2s yields S/N~244 (saturation in 1.0s)
vcheck; Possible ACQ or Sci spoilers?; no -- no other objects in 5"x5" acq box for PID 16230
vcheck; Field BOT clear?; yes -- clearance region dominated by saturated core of target image
vcheck; Visual BOT check for stars not in catalog?; yes
vcheck; Orbit packing finalized?; yes
vcheck; Buffer times optimized?; yes -- 163s x 0.8 = 130s
vcheck; Verify visit grouping correct; n/a
vcheck; Is visit ready for int. review?; yes
 Allocated STIS orbits = 1

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SK-67D207	RA: 05 34 55.4643 (83.7311012d)	Proper Motion RA: 1.524 mas/yr	V=10.51	Reference Frame: ICRS
	Alt Name1: SK-67-207	Dec: -67 21 6.91 (-67.35192d)	Proper Motion Dec: 0.816 mas/yr	SpT=B9 Ia; E(B-V)=0.06; U=10.04; B=10.57; V=10.51	
	Alt Name2: SK-67207	Equinox: J2000	Epoch of Position: 2000		

Comments: SK-67D207 : Sk -67 207, Sk_-67207, SK -67 207
Previous name : Sk -67 207
Input file: LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv
SIMBAD link (SK -67 207): <https://simbad.u-strasbg.fr/simbad/sim-id?Ident=SK+-67+207&submit=submit+id>
SpT = B9 Ia
COS/G130M/c1291 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcav=0.060), johnson U mag=10.040 vegamag)
COS/G160M/c1611 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcav=0.060), johnson U mag=10.040 vegamag)
COS/G185M/c1921 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcav=0.060), johnson U mag=10.040 vegamag)
COS/G185M/c1953 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcav=0.060), johnson U mag=10.040 vegamag)
COS/G185M/c1986 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcav=0.060), johnson U mag=10.040 vegamag)
STIS/E140M/c1425 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcav=0.060), johnson U mag=10.040 vegamag)
STIS/E230M/c1978 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcav=0.060), johnson U mag=10.040 vegamag)
STIS/E230M/c2707 : rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcav=0.060), johnson U mag=10.040 vegamag)
 Coordinate pedigree: Gaia
 Calculation performed 2020-02-24T17:53:17, v0.4

tstatus: SK-67D207; P/COS approved for submission; S/STIS approved for submission; P/RS 20/06/21; S/DW 18/05/21
tcheck; APT/SIMBAD target names: ; SK-67D207 'SK -67 207' ...
Simbad default is HD 269801
tcheck; Target info verification status?; OK
tcheck; Coordinates & P.M. updated?; Yes GAIA DR2 coordinates
tcheck; Adopted SED compared to Observations?; OK ...
The IUE spectra included are actually of a WR star about 25 arcsec away. The c1291 sed is normalized to the U magnitude and is usable. STIS G430L spectra are available -- E230M/2707 model is normalized to match shortward of the Balmer jump -- the jump itself is overestimated
 Category=EXT-STAR
 Description=[B6-B9.5 III-I]
 Extended=NO

Proposal 16374 - SK-67D207-STIS (4S) - ULLYSES LMC late-B Stars COS and STIS

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ (1517012)	(4) SK-67D207	STIS/CCD, ACQ, F28X50LP	MIRROR				0.2 Secs (0.2 Secs) [==>]	[1]
2	E230M/270 7 (1517125)	(4) SK-67D207	STIS/NUV-MAMA, TIME-TAG, 0.2X0.2	E230M 2707 A	WAVECAL=NO; BUFFER-TIME=13 0.0			2166 Secs (2166 Secs) [==>]	[1]
<p>Comments: rn(ck04models(B9I,Teff=10504,metallicity=0.008,logG=2.2) (extinction lmcavg=0.060), johnson U mag=10.040 vegamag); stis,nuvmama,e230m,c2707,0.2x0.2,mjd#59305 From file LMC_2020Feb20/input/LMC_all_do1_fixed_wr_NewCoords_pids.csv Spectral type: B9 Ia --> B9 I SED = SK-67D207_STIS_E230M_c2707_sed.fits For exptime=503.2 s, spectral region: 2800.0 +- 0.5 A achieves SNR=20.0/resel global countrate (brightest segment): 10568.9 cts/s/segment brightest pixel: 0.219 cts/s/pix at 2647.5 A Calculation performed 2020-02-24T17:53:30, v0.4</p>									
3	E230M/270 7 WAVECA L	WAVE	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M 2707 A				[==>]	[1]

