



15912 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

Cycle: 27, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|--------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 01 | (1) SWBAR-F02 (6) SWBAR-F01 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:23.0 | yes |
| 51 | (1) SWBAR-F02 | WFC3/IR | 1 | 01-Feb-2021 11:00:25.0 | yes |

Proposal 15912 (STScI Edit Number: 2, Created: Monday, February 1, 2021 at 11:00:56 AM Eastern Standard Time) - Overview

| <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> |
|--------------|----------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 02 | (2) SWBAR-F03 ANY | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:27.0 | yes |
| 03 | (3) SWBAR-F04 ANY | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:29.0 | yes |
| 04 | (1) SWBAR-F02 (4) SWBAR-F05 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:32.0 | yes |
| 05 | (2) SWBAR-F03 (5) SWBAR-F06 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:35.0 | yes |
| 06 | (3) SWBAR-F04 (6) SWBAR-F01 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:37.0 | yes |
| 07 | (4) SWBAR-F05 (7) SWBAR-F07 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:40.0 | yes |
| 08 | (3) SWBAR-F04 (8) SWBAR-F08 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:42.0 | yes |
| 61 | (8) SWBAR-F08 | WFC3/IR | 1 | 01-Feb-2021 11:00:43.0 | yes |
| 09 | (9) SWBAR-F09 (11) SWBAR-F11 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:45.0 | yes |
| 59 | (9) SWBAR-F09 | WFC3/IR | 1 | 01-Feb-2021 11:00:47.0 | yes |
| 10 | (10) SWBAR-F10 (12) SWBAR-F12 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:49.0 | 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> |
|--------------|----------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 60 | (12) SWBAR-F12 | ACS/WFC | 1 | 01-Feb-2021 11:00:50.0 | yes |
| 11 | (9) SWBAR-F09 (11) SWBAR-F11 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:52.0 | yes |
| 12 | (10) SWBAR-F10 (12) SWBAR-F12 | ACS/WFC WFC3/IR WFC3/UVIS | 2 | 01-Feb-2021 11:00:54.0 | yes |
| 13 | (8) SWBAR-F08 | ACS/WFC | 2 | 01-Feb-2021 11:00:56.0 | yes |

30 Total Orbits Used

ABSTRACT

The star formation efficiency per gravitational free-fall time (SFE/t_{ff}) describes the ability of molecular clouds to convert their gas into stars. Theoretical predictions for this critical parameter vary widely, but it is observationally difficult to accurately measure due to the need for a cloud-scale tracer of star formation. Observations of solar-mass pre-main sequence stars in the low-A(V) environment of the nearby Small Magellanic Cloud provide one of the best opportunities to obtain such a tracer, and thereby measure SFE/t_{ff} when combined with CO mapping of molecular clouds. We propose using ACS and WFC3 to image a gas-rich sample of molecular clouds in the SW Bar of the SMC at optical and near-IR wavelengths to identify a robust sample of pre-MS stars. These clouds have been characterized with ALMA observations, making them ideal targets for studying SFE/t_{ff} . Our proposed observations will provide a critical bridge between Milky Way and extragalactic studies of star formation efficiency---a cornerstone in our knowledge of star formation scaling laws throughout the Universe.

OBSERVING DESCRIPTION

We target 12 fields of view within the southwest bar (SWBar) of the Small Magellanic Cloud (SMC) containing a collection of star-forming molecular clouds. We use the WFC3 and ACS instruments in parallel to image each field in 6 passbands: WFC3/IR - F110W, F160W; WFC3/UVIS - F547M, F657N; ACS/WFC - F475W, F814W. We image pairs of fields in parallel during each 2-orbit visit, using an imaging strategy first employed by the Panchromatic Hubble Andromeda Treasury (PHAT) survey. Most pointings are observed once as a prime target with WFC3 and once as a parallel target with ACS, providing 4-orbit coverage (2 prime, 2 parallel) per pointing, resulting in a program total of 24 orbits. Strict orient requirements are necessary to obtain desired sky coverage and to align prime and parallel observation pairs, which are executed during two visits

Proposal 15912 (STScI Edit Number: 2, Created: Monday, February 1, 2021 at 11:00:56 AM Eastern Standard Time) - Overview
with orient angles separated by ~180 degrees.

Fields are positioned and identified according to WFC3/IR FOVs, as it has the smallest FOV of the three imagers used by this program. The program's imaging footprint consists of: 1) a span of 5 FOVs (F02-F06) that cover the bulk of the B2 molecular cloud complex that contains the N21, N22, N23, N25, and N26 regions; 2) a pair of 2-FOV pointings (F09/F10, F11/F12) that cover the N27 and N12A star-forming regions; 3) three single FOV pointings that cover the N30 (F08) and N34 (F07) star-forming regions and the outskirts of the B1-3 molecular cloud (F01). Region names reflect identifiers from Rubio et al. (1993) for molecular gas and Henize (1956) for HII regions.

The first orbit of the visit consists of WFC3/UVIS H α & continuum and ACS/WFC F814W imaging, and the second orbit consists of WFC3/IR and F475W imaging. Exposures are dithered to fill the ACS and WFC3/UVIS chip gaps and to obtain subpixel sampling of the instrumental PSF. We obtain 18 exposures per visit (4+1 for F475W, 3+1 for F814W, 4 for F160W, 2 each for F547M & F657N, and 1 for F110W) yielding total exposure times of 2200s + 10s for F475W, 2260s + 15s for F814W, 700s for F110W, 2250s for F160W, 900s for F547M, and 1800s for F657N. Short exposures in the F475W and F814W bands are used to avoid the faint saturation limits resulting from long exposures and extend the accessible dynamical range of well-measured photometry. Also note that significant spatial overlap between ACS/WFC and WFC3/UVIS FOVs provides additional image depth beyond the totals presented above.

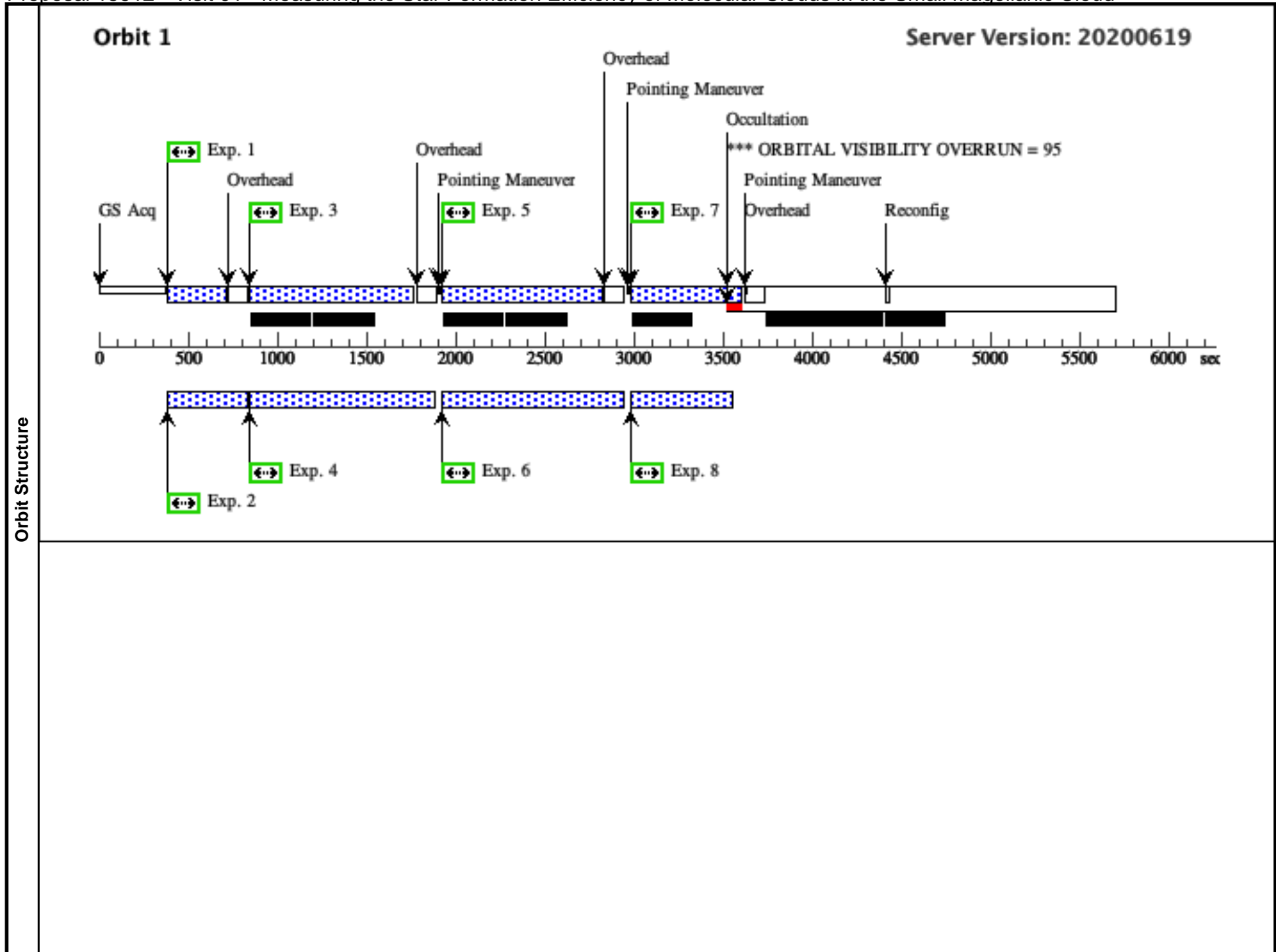
Proposal 15912 - Visit 01 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

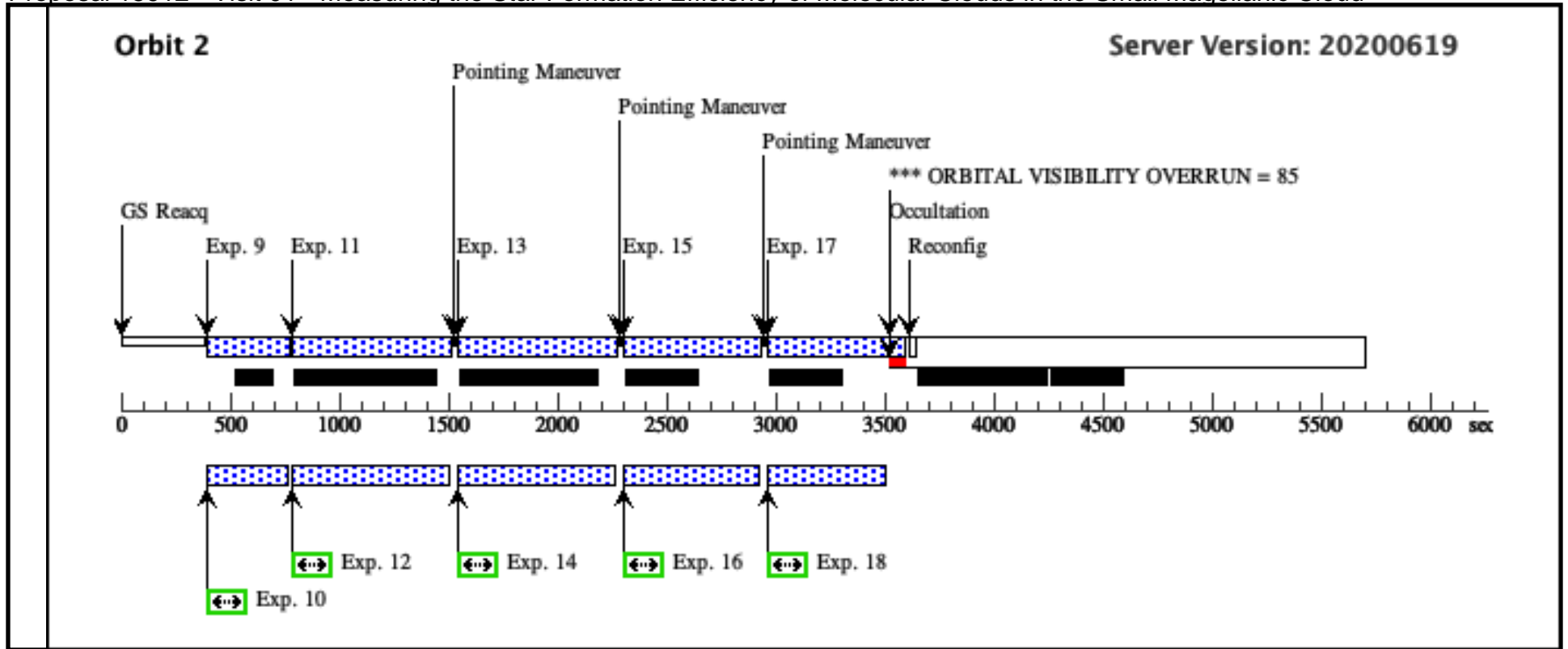
Mon Feb 01 16:00:57 GMT 2021

| Visit | Proposal 15912, Visit 01, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 345D TO 345 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------------------------|--------------------|--------------------------|--------------------------|---------------|---------------|-----|-----------|---------------------------------|--|--------|-----------------------|--|----------------|--------------------------------|--|--|--|--|----------------|----------------|--|--|--|---|--|--|--|--|--|-----|-----------|---------------------------------|--|--------|-----------------------|--|-----------------|--------------------------------|--|--|--|--|--|----------------|--|--|--|---|--|--|--|--|--|--|--|--|--|
| | (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>SWBAR-F02</td> <td>RA: 00 47 55.9123 (11.9829679d)</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: N21</td> <td>Dec: -73 17 20.84 (-73.28912d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Alt Name2: N23</td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> <tr> <td>(6)</td> <td>SWBAR-F01</td> <td>RA: 00 47 10.4063 (11.7933596d)</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: B1-3</td> <td>Dec: -73 22 22.70 (-73.37297d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | SWBAR-F02 | RA: 00 47 55.9123 (11.9829679d) | | V=18.0 | Reference Frame: ICRS | | Alt Name1: N21 | Dec: -73 17 20.84 (-73.28912d) | | | | | Alt Name2: N23 | Equinox: J2000 | | | | <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | (6) | SWBAR-F01 | RA: 00 47 10.4063 (11.7933596d) | | V=18.0 | Reference Frame: ICRS | | Alt Name1: B1-3 | Dec: -73 22 22.70 (-73.37297d) | | | | | | Equinox: J2000 | | | | <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) | SWBAR-F02 | RA: 00 47 55.9123 (11.9829679d) | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Alt Name1: N21 | Dec: -73 17 20.84 (-73.28912d) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Alt Name2: N23 | Equinox: J2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (6) | SWBAR-F01 | RA: 00 47 10.4063 (11.7933596d) | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Alt Name1: B1-3 | Dec: -73 22 22.70 (-73.37297d) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Equinox: J2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Proposal 15912 - Visit 01 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F0 2-UVIS-F54 7M | (1) SWBAR-F02 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 01 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 1-WFC-F81 4W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 01 | 15 Secs (246 Secs) [==>246.0 Secs] | [1] |
| | 3 | SWBAR-F0 2-UVIS-F65 7N | (1) SWBAR-F02 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 01 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 1-WFC-F81 4W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 01 | 885 Secs (917 Secs) [==>917.0 Secs] | [1] |
| | 5 | SWBAR-F0 2-UVIS-F65 7N | (1) SWBAR-F02 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 01 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F0 1-WFC-F81 4W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 01 | 875 Secs (897 Secs) [==>897.0 Secs] | [1] |
| | 7 | SWBAR-F0 2-UVIS-F54 7M | (1) SWBAR-F02 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 01 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F0 1-WFC-F81 4W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 01 | 500 Secs (448 Secs) [==>448.0 Secs] | [1] |
| | 9 | SWBAR-F0 2-IR-F160W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 01 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-F0 1-WFC-F47 5W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 01 | 10 Secs (209 Secs) [==>209.0 Secs] | [2] |
| | 11 | SWBAR-F0 2-IR-F110W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 01 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F0 1-WFC-F47 5W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 01 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 2-IR-F160W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 01 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F0 1-WFC-F47 5W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 01 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 2-IR-F160W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 01 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F0 1-WFC-F47 5W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 01 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 2-IR-F160W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 01 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F0 1-WFC-F47 5W | (6) SWBAR-F01 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 01 | 500 Secs (418 Secs) [==>418.0 Secs] | [2] |

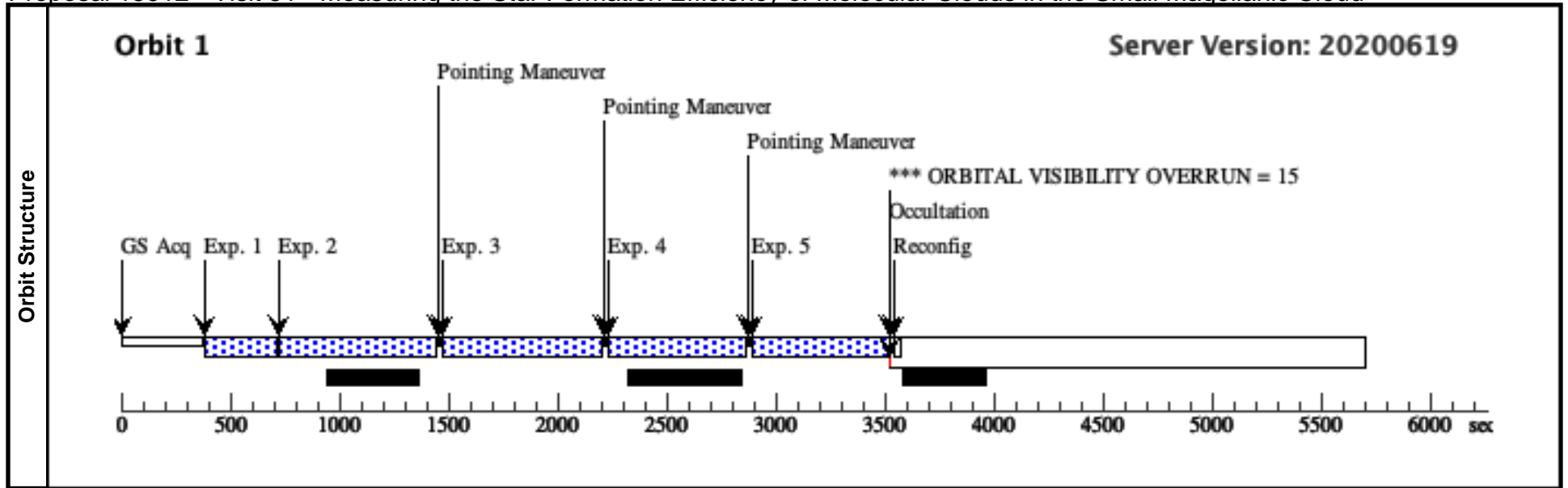




Proposal 15912 - Visit 51 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

Mon Feb 01 16:00:57 GMT 2021

| | | | | | | | | | | |
|--|---|---|---|---------------------------------|----------------------|-----------------------------------|---------------------------|---------------|---|--------------|
| Visit | Proposal 15912, Visit 51, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none) | | | | | | | | | |
| | (Visit 51) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (1) | SWBAR-F02 Alt Name1: N21 Alt Name2: N23 | RA: 00 47 55.9123 (11.9829679d) Dec: -73 17 20.84 (-73.28912d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | SWBAR-F0 2-IR-F160W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=11; SAMP-SEQ=STEP5 0 | POS TARG -6.813,7 .086 | | 299.232481 Secs (299.232 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 2-IR-F110W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG -6.813,7 .086 | | 699.232615 Secs (699.233 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 2-IR-F160W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG -6.794,7 .171 | | 699.232615 Secs (699.233 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 2-IR-F160W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG -4.872,9 .093 | | 599.232292 Secs (599.232 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 2-IR-F160W | (1) SWBAR-F02 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG -4.931,8 .904 | | 599.232292 Secs (599.232 Secs) [==>] | [1] |

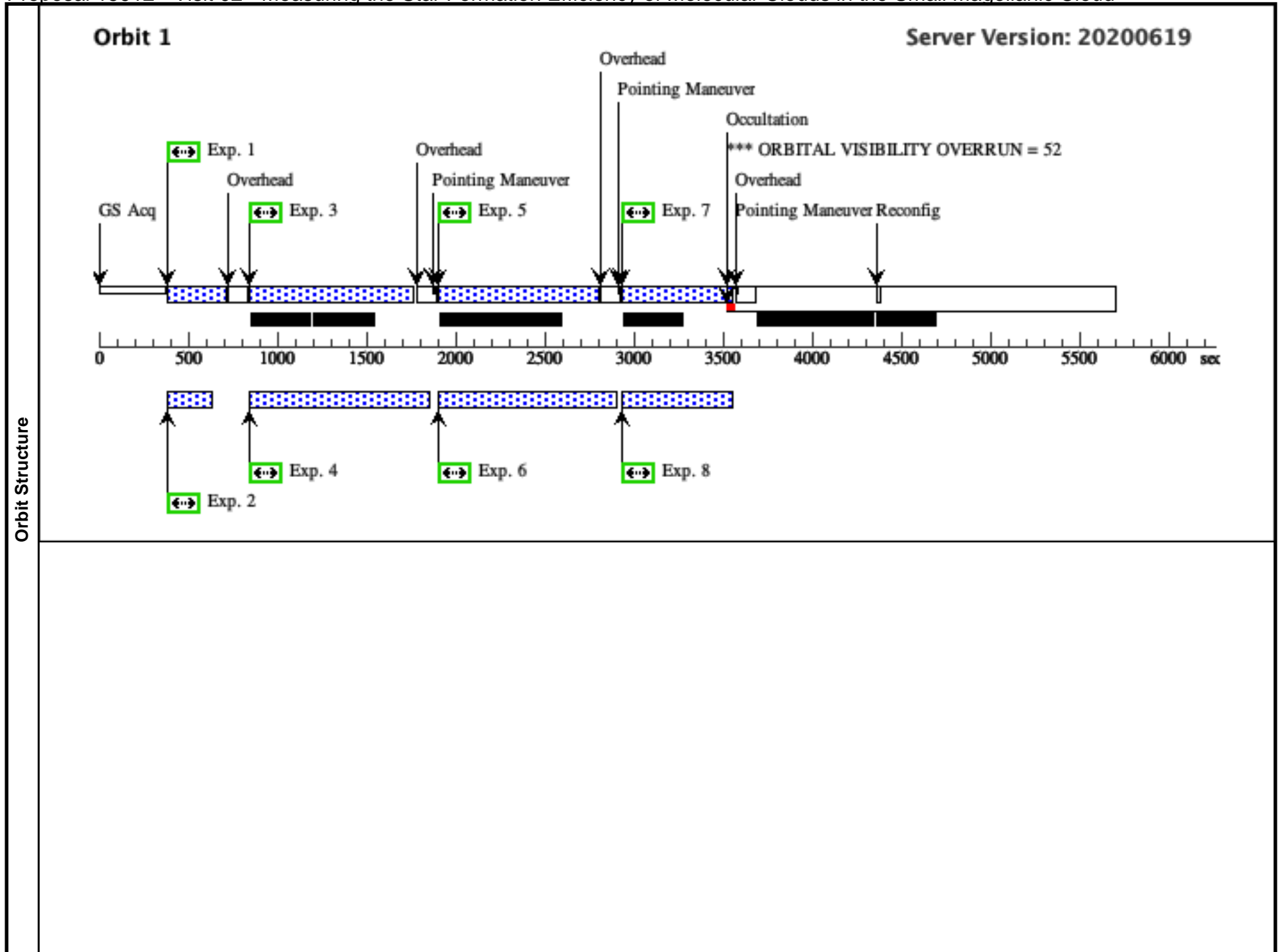


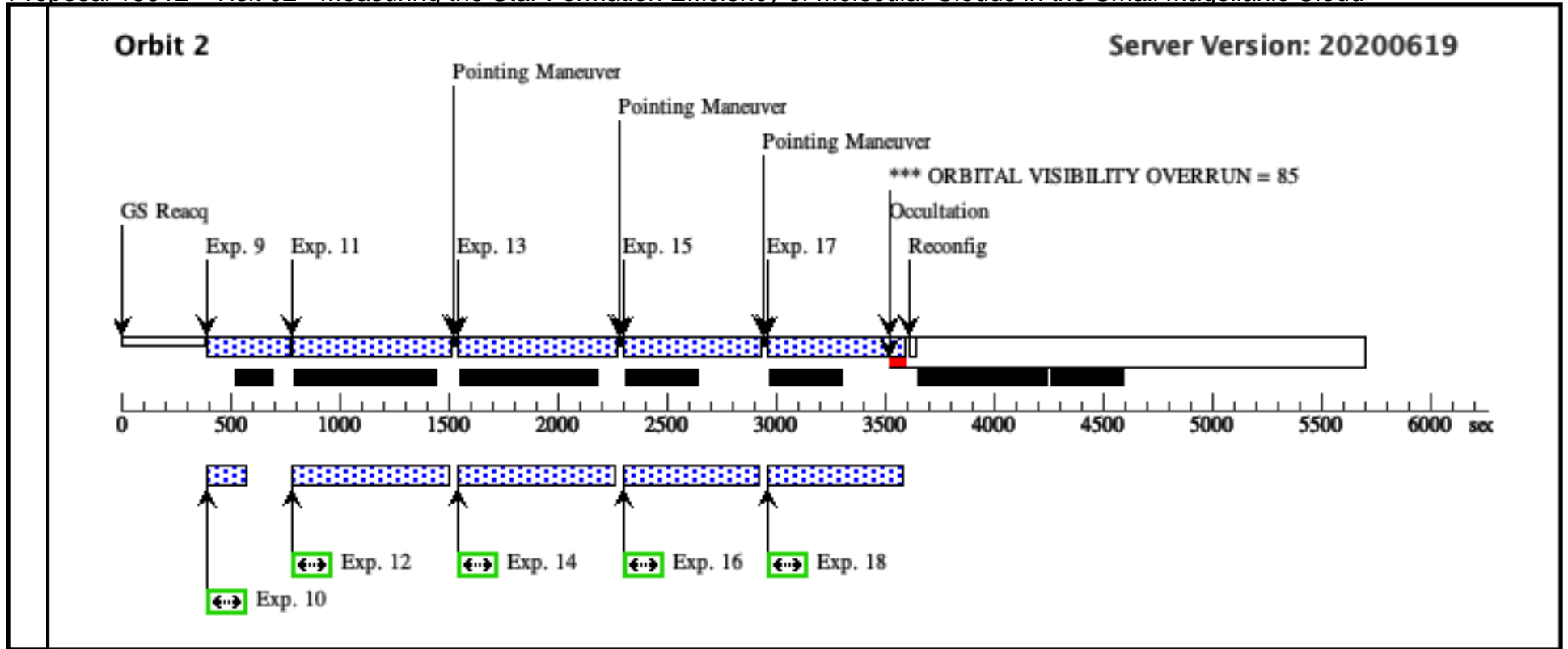
Proposal 15912 - Visit 02 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| Visit | Proposal 15912, Visit 02, completed Mon Feb 01 16:00:57 GMT 2021 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 306D TO 306 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------------------------|--------------------|--------------------------|-----------------------|---------------|------|--------------------|--------------------------|--------|---------------|-----|-----------|---------------------------------|--|--------|-----------------------|--|----------------|--------------------------------|--|--|--|--|--|----------------|--|--|--|---|--|--|--|--|--|
| | Diagnosics (Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>(2)</td> <td>SWBAR-F03</td> <td>RA: 00 47 59.2108 (11.9967117d)</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: N22</td> <td>Dec: -73 15 42.92 (-73.26192d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> </tbody> </table> | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | SWBAR-F03 | RA: 00 47 59.2108 (11.9967117d) | | V=18.0 | Reference Frame: ICRS | | Alt Name1: N22 | Dec: -73 15 42.92 (-73.26192d) | | | | | | Equinox: J2000 | | | | <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) | SWBAR-F03 | RA: 00 47 59.2108 (11.9967117d) | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Alt Name1: N22 | Dec: -73 15 42.92 (-73.26192d) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Equinox: J2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Proposal 15912 - Visit 02 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F0 3-UVIS-F54 7M | (2) SWBAR-F03 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 02 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-A NY-WFC-F 814W | ANY | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 02 | 15 Secs (15 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 3-UVIS-F65 7N | (2) SWBAR-F03 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 02 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-A NY-WFC-F 814W | ANY | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 02 | 885 Secs (885 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 3-UVIS-F65 7N | (2) SWBAR-F03 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 02 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-A NY-WFC-F 814W | ANY | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 02 | 875 Secs (875 Secs) [==>] | [1] |
| | 7 | SWBAR-F0 3-UVIS-F54 7M | (2) SWBAR-F03 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 02 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-A NY-WFC-F 814W | ANY | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 02 | 500 Secs (500 Secs) [==>] | [1] |
| | 9 | SWBAR-F0 3-IR-F160W | (2) SWBAR-F03 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 02 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 02 | 10 Secs (10 Secs) [==>] | [2] |
| | 11 | SWBAR-F0 3-IR-F110W | (2) SWBAR-F03 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 02 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 02 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 3-IR-F160W | (2) SWBAR-F03 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 02 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 02 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 3-IR-F160W | (2) SWBAR-F03 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 02 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 02 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 3-IR-F160W | (2) SWBAR-F03 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 02 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 02 | 500 Secs (500 Secs) [==>] | [2] |



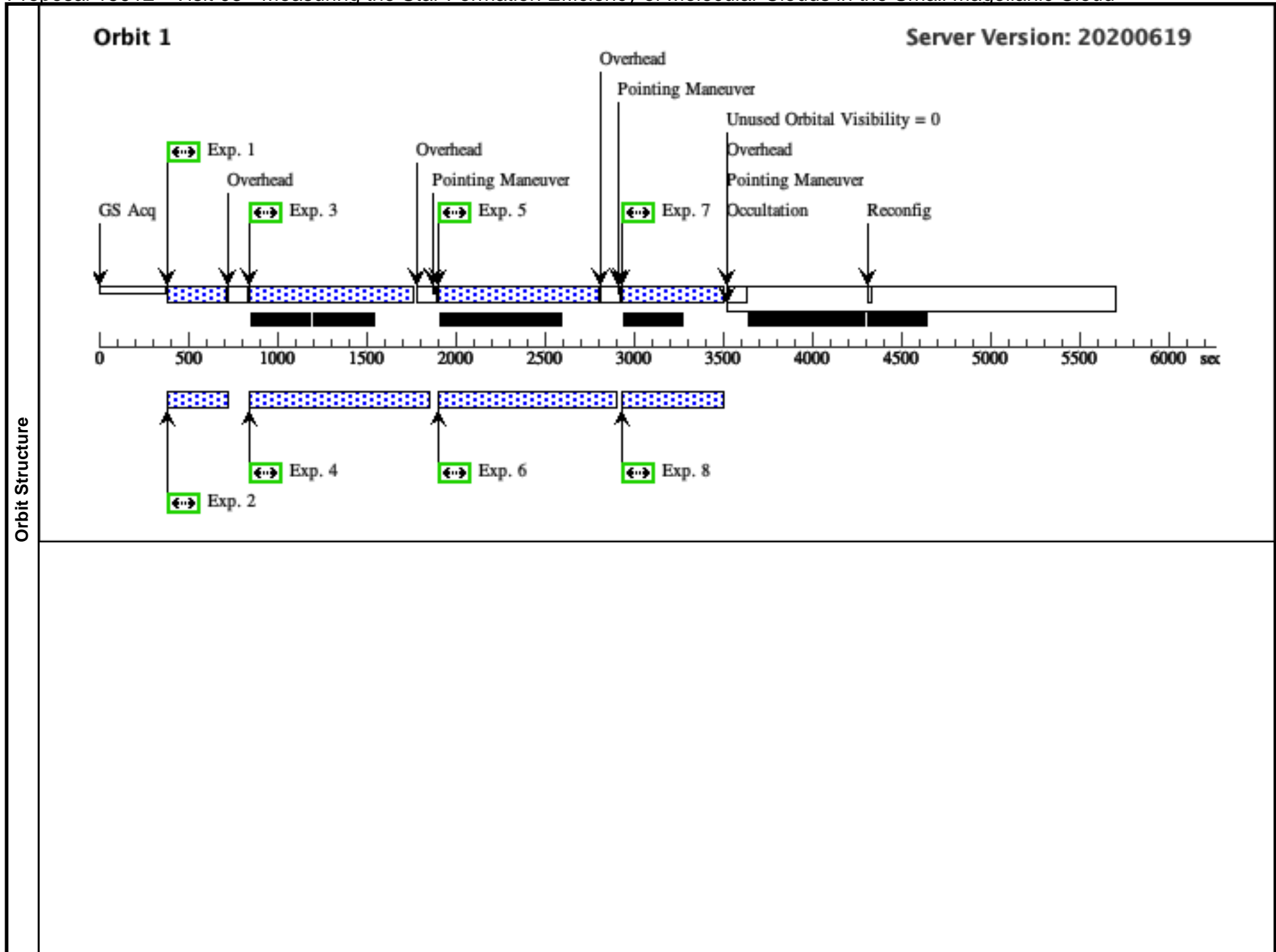


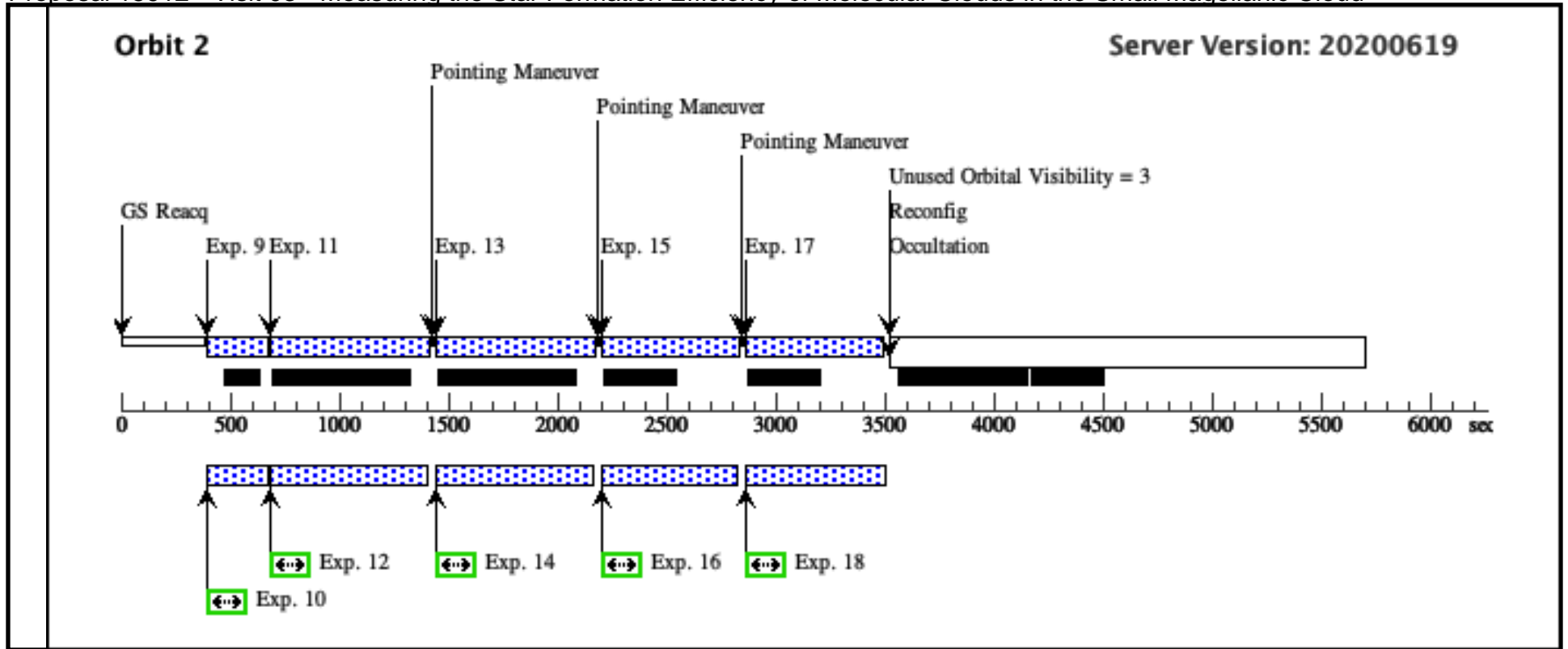
Proposal 15912 - Visit 03 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| | | | | | | |
|--|---|-----------------------------|--|---------------------------|---------------------------------|-----------------------|
| Visit | Proposal 15912, Visit 03, completed Mon Feb 01 16:00:57 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 300D TO 324 D | | | | | |
| | Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes |
| (3) | | SWBAR-F04 Alt Name1: N25 | RA: 00 48 9.6437 (12.0401821d) Dec: -73 13 59.22 (-73.23312d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | |

Proposal 15912 - Visit 03 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F0 4-UVIS-F54 7M | (3) SWBAR-F04 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 03 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-A NY-WFC-F 814W | ANY | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 03 | 15 Secs (135 Secs) [==>135.0 Secs] | [1] |
| | 3 | SWBAR-F0 4-UVIS-F65 7N | (3) SWBAR-F04 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 03 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-A NY-WFC-F 814W | ANY | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 03 | 885 Secs (885 Secs) [==>885.0 Secs] | [1] |
| | 5 | SWBAR-F0 4-UVIS-F65 7N | (3) SWBAR-F04 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 03 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-A NY-WFC-F 814W | ANY | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 03 | 875 Secs (875 Secs) [==>875.0 Secs] | [1] |
| | 7 | SWBAR-F0 4-UVIS-F54 7M | (3) SWBAR-F04 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 03 | 548 Secs (548 Secs) [==>] | [1] |
| | 8 | SWBAR-A NY-WFC-F 814W | ANY | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 03 | 448 Secs (448 Secs) [==>] | [1] |
| | 9 | SWBAR-F0 4-IR-F160W | (3) SWBAR-F04 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=10; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 03 | 249.23203 Secs (249.232 Secs) [==>] | [2] |
| | 10 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 03 | 10 Secs (109 Secs) [==>109.0 Secs] | [2] |
| | 11 | SWBAR-F0 4-IR-F110W | (3) SWBAR-F04 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 03 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 03 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 4-IR-F160W | (3) SWBAR-F04 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 03 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 03 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 4-IR-F160W | (3) SWBAR-F04 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 03 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 03 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 4-IR-F160W | (3) SWBAR-F04 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 03 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-A NY-WFC-F 475W | ANY | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 03 | 515 Secs (515 Secs) [==>] | [2] |



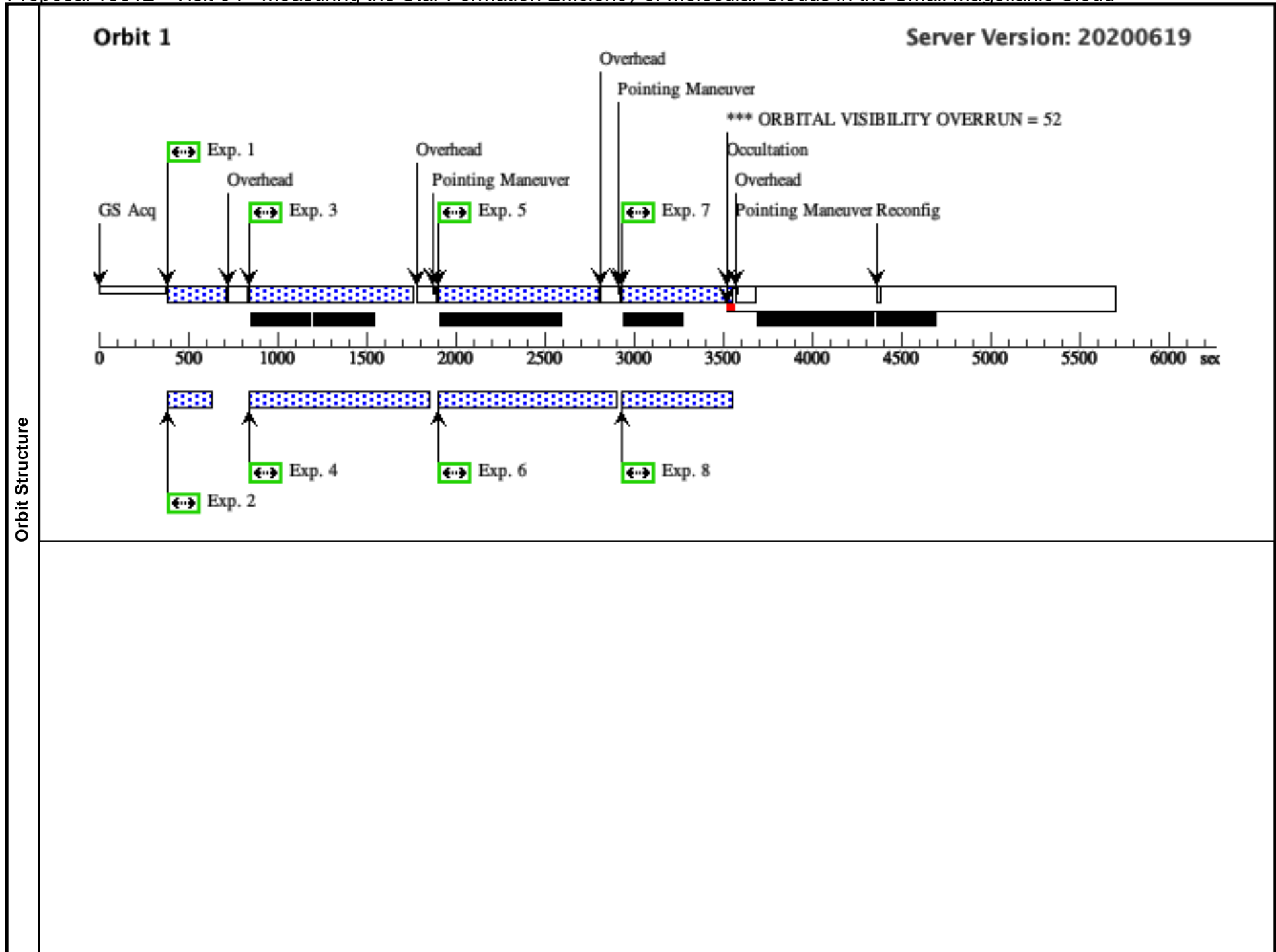


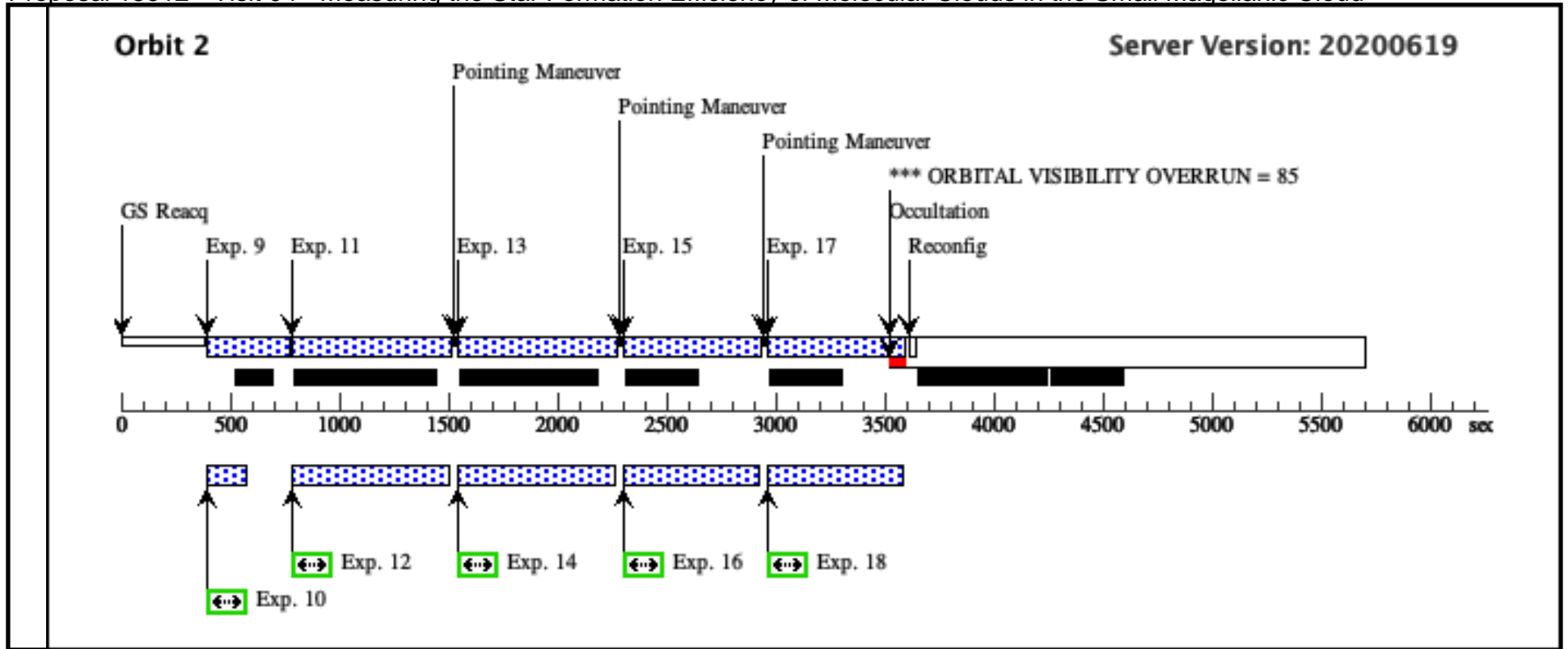
Proposal 15912 - Visit 04 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| | | | | | | |
|----------------------|---|-----------------|---------------------------------|---------------------------------|---------------|-----------------------|
| Visit | Proposal 15912, Visit 04, completed Mon Feb 01 16:00:57 GMT 2021 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 214D TO 214 D | | | | | |
| | (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | |
| Diagnosics | | | | | | |
| | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
| | (1) | SWBAR-F02 | RA: 00 47 55.9123 (11.9829679d) | | V=18.0 | Reference Frame: ICRS |
| | | Alt Name1: N21 | Dec: -73 17 20.84 (-73.28912d) | | | |
| | | Alt Name2: N23 | Equinox: J2000 | | | |
| | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | |
| | (4) | SWBAR-F05 | RA: 00 48 13.3799 (12.0557496d) | | V=18.0 | Reference Frame: ICRS |
| | | Alt Name1: B2-N | Dec: -73 11 40.69 (-73.19464d) | | | |
| | | | Equinox: J2000 | | | |
| | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | |

Proposal 15912 - Visit 04 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F0 4-UVIS-F54 7M | (4) SWBAR-F05 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 04 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 1-WFC-F81 4W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 04 | 15 Secs (15 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 4-UVIS-F65 7N | (4) SWBAR-F05 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 04 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 1-WFC-F81 4W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 04 | 885 Secs (885 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 4-UVIS-F65 7N | (4) SWBAR-F05 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 04 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F0 1-WFC-F81 4W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 04 | 875 Secs (875 Secs) [==>] | [1] |
| | 7 | SWBAR-F0 4-UVIS-F54 7M | (4) SWBAR-F05 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 04 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F0 1-WFC-F81 4W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 04 | 500 Secs (500 Secs) [==>] | [1] |
| | 9 | SWBAR-F0 4-IR-F160W | (4) SWBAR-F05 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 04 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-F0 1-WFC-F47 5W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 04 | 10 Secs (10 Secs) [==>] | [2] |
| | 11 | SWBAR-F0 4-IR-F110W | (4) SWBAR-F05 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 04 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F0 1-WFC-F47 5W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 04 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 4-IR-F160W | (4) SWBAR-F05 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 04 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F0 1-WFC-F47 5W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 04 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 4-IR-F160W | (4) SWBAR-F05 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 04 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F0 1-WFC-F47 5W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 04 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 4-IR-F160W | (4) SWBAR-F05 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 04 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F0 1-WFC-F47 5W | (1) SWBAR-F02 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 04 | 500 Secs (500 Secs) [==>] | [2] |



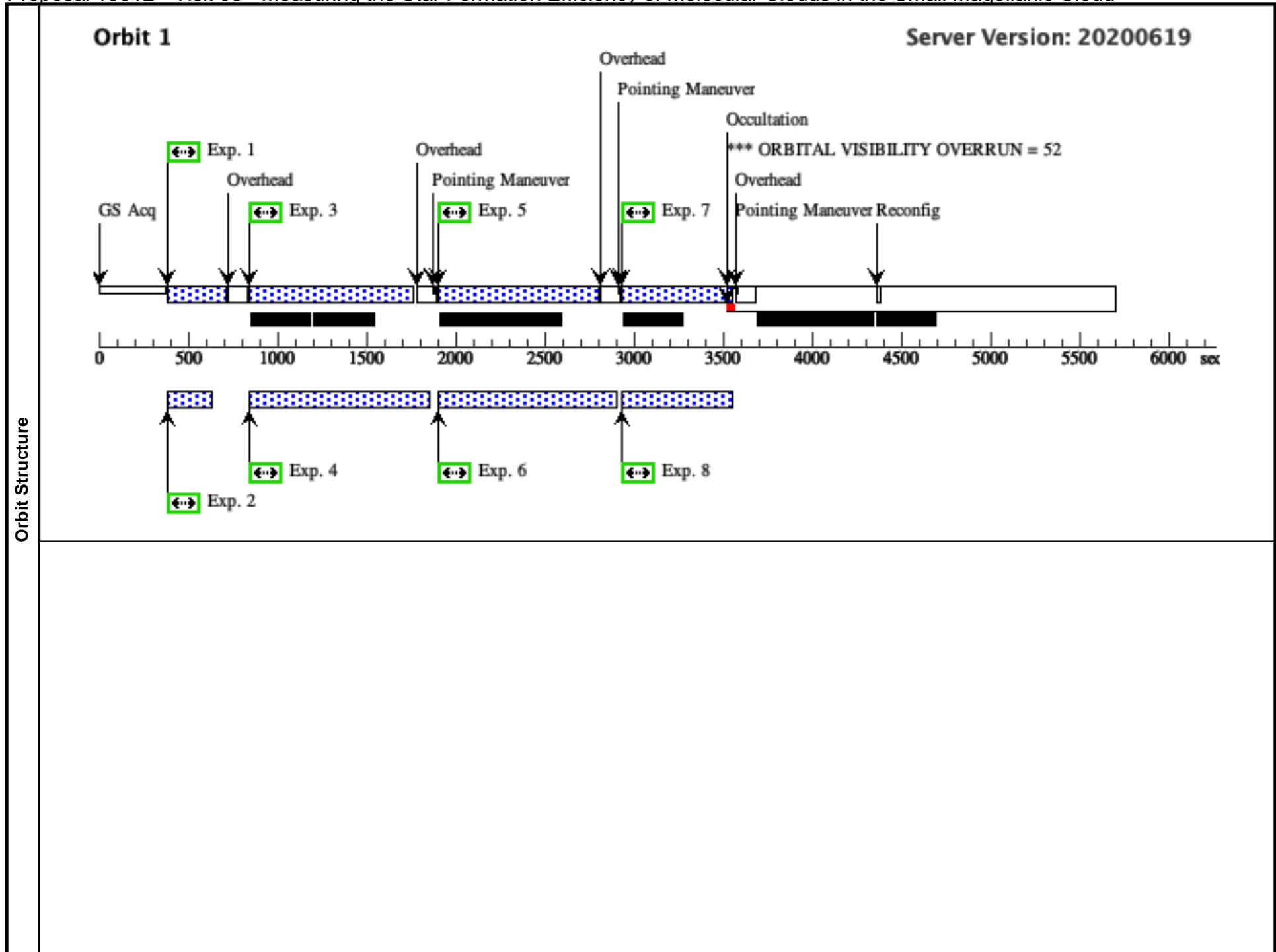


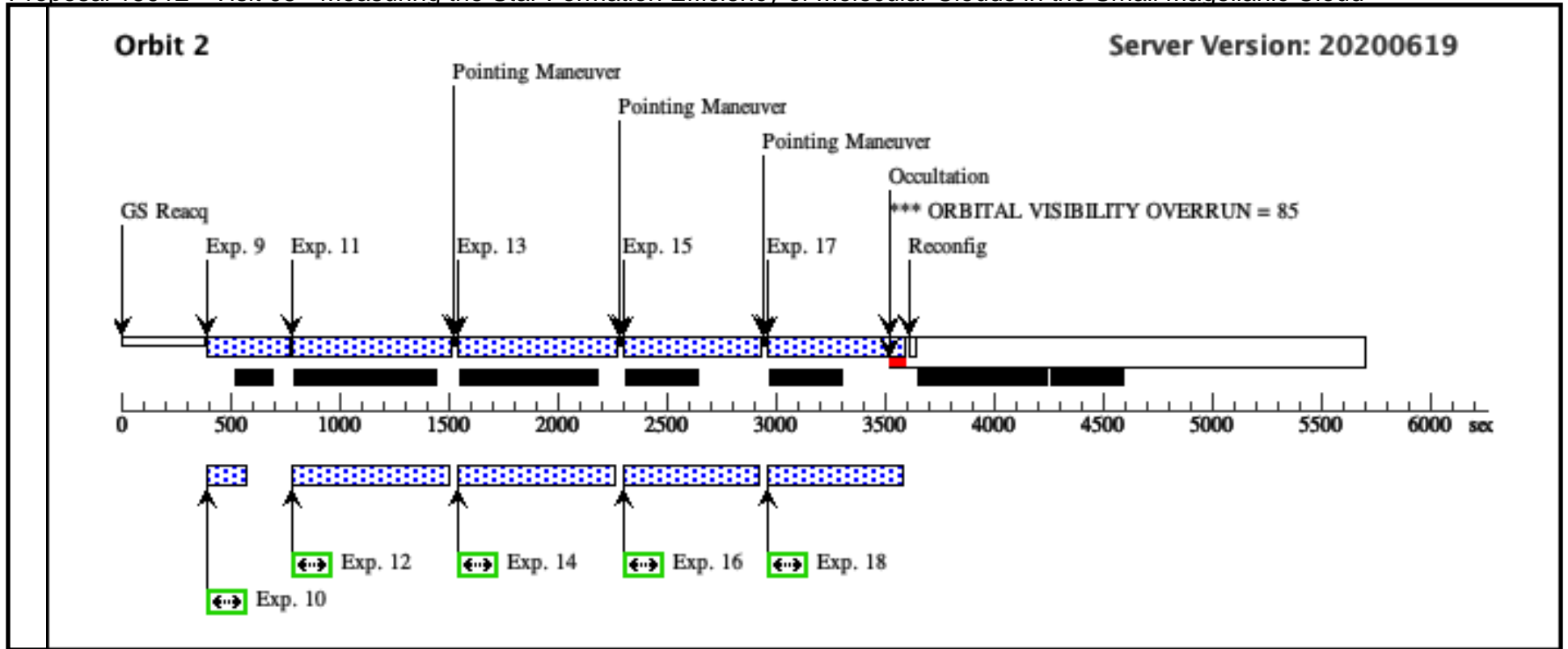
Proposal 15912 - Visit 05 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| Visit | Proposal 15912, Visit 05, completed Mon Feb 01 16:00:57 GMT 2021 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 330D TO 330 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--------------------|--------------------------|--------------------------|---------------|---------------|-----|-----------------------------|---|--|--------|-----------------------|--|--|--|--|--|--|-----|------------------------------|---|--|--------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|
| | (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>(2)</td> <td>SWBAR-F03 Alt Name1: N22</td> <td>RA: 00 47 59.2108 (11.9967117d) Dec: -73 15 42.92 (-73.26192d) Equinox: J2000</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> <tr> <td>(5)</td> <td>SWBAR-F06 Alt Name1: B2-N</td> <td>RA: 00 48 20.9431 (12.0872629d) Dec: -73 09 39.58 (-73.16099d) Equinox: J2000</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | SWBAR-F03 Alt Name1: N22 | RA: 00 47 59.2108 (11.9967117d) Dec: -73 15 42.92 (-73.26192d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | (5) | SWBAR-F06 Alt Name1: B2-N | RA: 00 48 20.9431 (12.0872629d) Dec: -73 09 39.58 (-73.16099d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (2) | SWBAR-F03 Alt Name1: N22 | RA: 00 47 59.2108 (11.9967117d) Dec: -73 15 42.92 (-73.26192d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (5) | SWBAR-F06 Alt Name1: B2-N | RA: 00 48 20.9431 (12.0872629d) Dec: -73 09 39.58 (-73.16099d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Proposal 15912 - Visit 05 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F0 6-UVIS-F54 7M | (5) SWBAR-F06 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 05 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 3-WFC-F81 4W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 05 | 15 Secs (15 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 6-UVIS-F65 7N | (5) SWBAR-F06 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 05 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 3-WFC-F81 4W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 05 | 885 Secs (885 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 6-UVIS-F65 7N | (5) SWBAR-F06 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 05 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F0 3-WFC-F81 4W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 05 | 875 Secs (875 Secs) [==>] | [1] |
| | 7 | SWBAR-F0 6-UVIS-F54 7M | (5) SWBAR-F06 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 05 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F0 3-WFC-F81 4W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 05 | 500 Secs (500 Secs) [==>] | [1] |
| | 9 | SWBAR-F0 6-IR-F160W | (5) SWBAR-F06 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 05 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-F0 3-WFC-F47 5W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 05 | 10 Secs (10 Secs) [==>] | [2] |
| | 11 | SWBAR-F0 6-IR-F110W | (5) SWBAR-F06 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 05 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F0 3-WFC-F47 5W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 05 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 6-IR-F160W | (5) SWBAR-F06 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 05 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F0 3-WFC-F47 5W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 05 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 6-IR-F160W | (5) SWBAR-F06 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 05 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F0 3-WFC-F47 5W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 05 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 6-IR-F160W | (5) SWBAR-F06 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 05 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F0 3-WFC-F47 5W | (2) SWBAR-F03 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 05 | 500 Secs (500 Secs) [==>] | [2] |



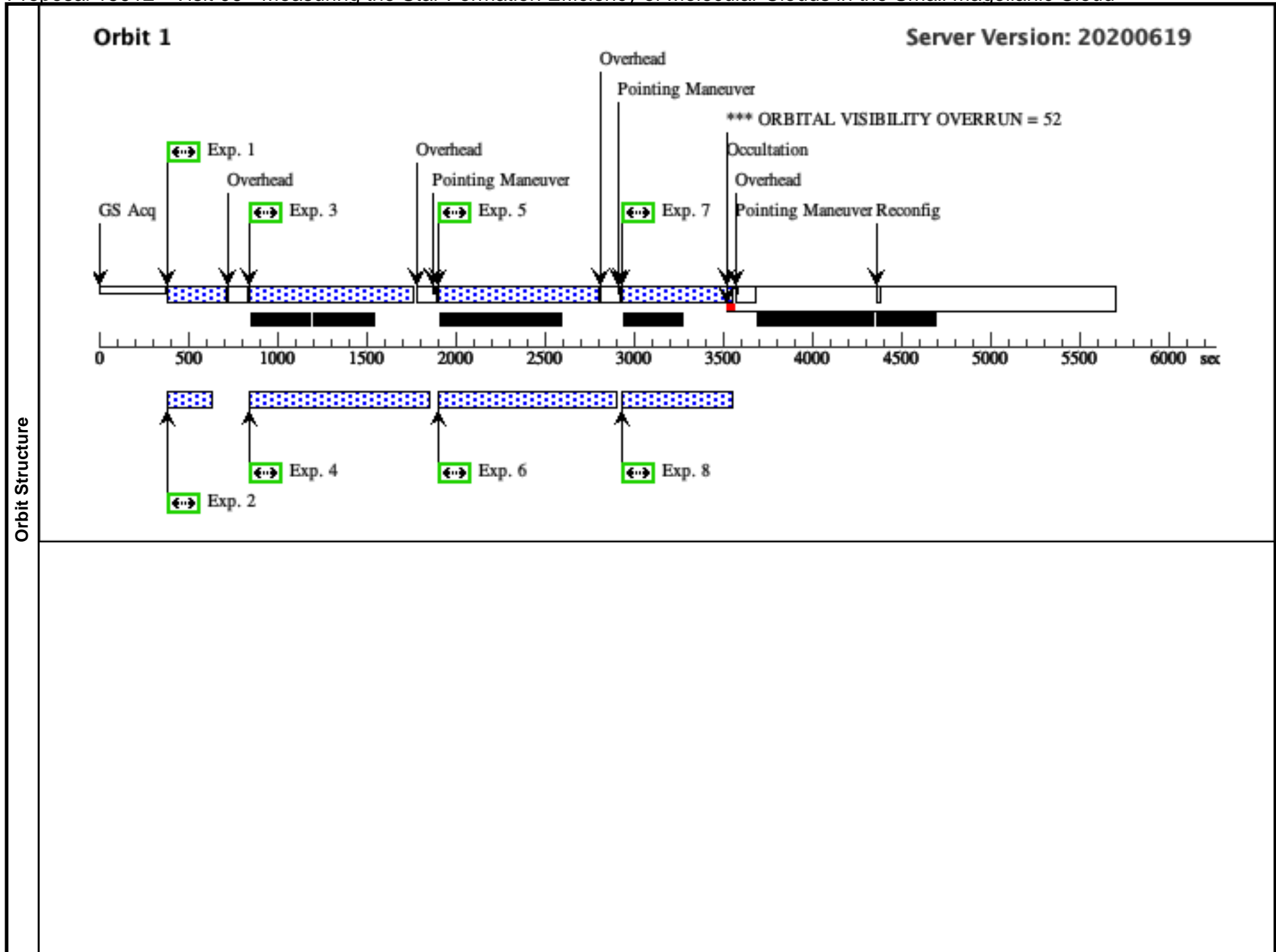


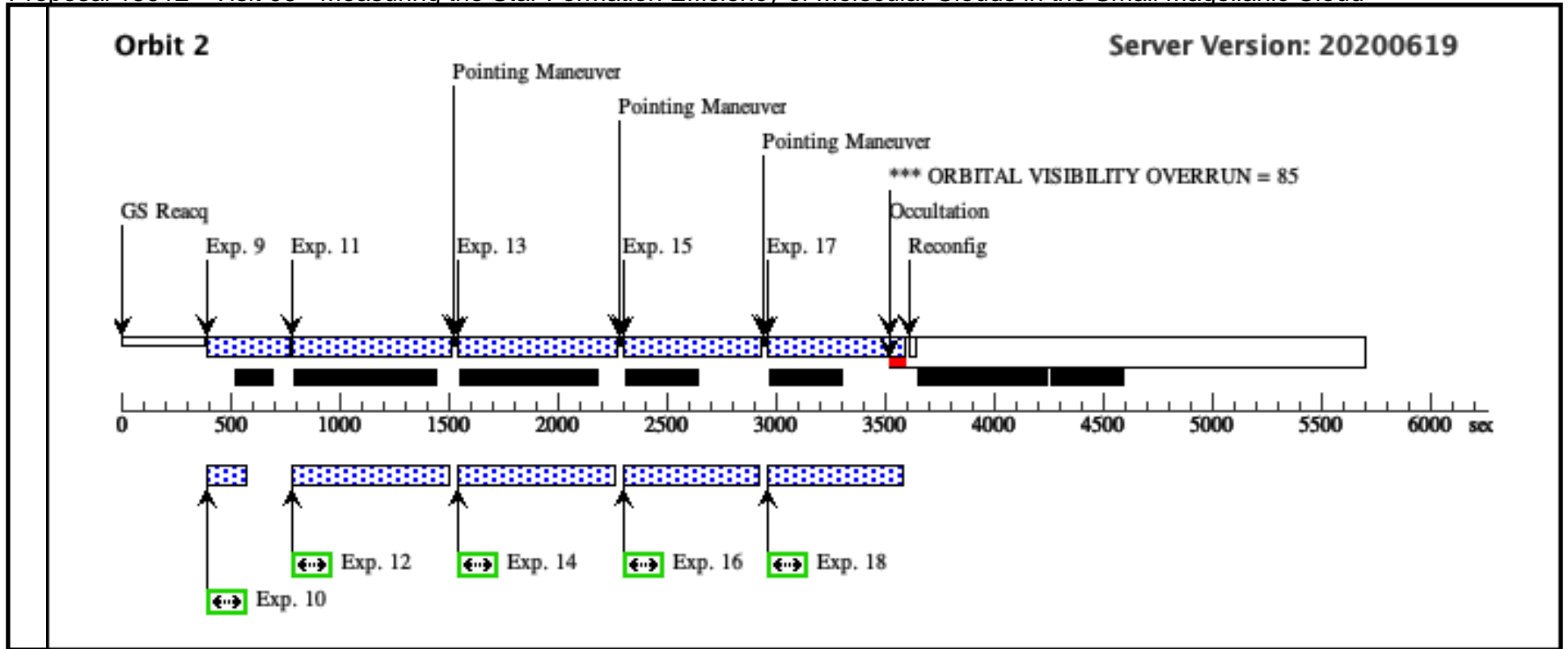
Proposal 15912 - Visit 06 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| Visit | Proposal 15912, Visit 06, completed Mon Feb 01 16:00:57 GMT 2021 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 165D TO 165 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|---------------------------------|--------------------|--------------------------|--------------------------|---------------|---------------|-----|-----------|--------------------------------|--|--------|-----------------------|--|----------------|--------------------------------|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|-----|-----------|---------------------------------|--|--------|-----------------------|--|-----------------|--------------------------------|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | (Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>SWBAR-F04</td> <td>RA: 00 48 9.6437 (12.0401821d)</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: N25</td> <td>Dec: -73 13 59.22 (-73.23312d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td colspan="5"> Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> <tr> <td>(6)</td> <td>SWBAR-F01</td> <td>RA: 00 47 10.4063 (11.7933596d)</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: B1-3</td> <td>Dec: -73 22 22.70 (-73.37297d)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td colspan="5"> Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (3) | SWBAR-F04 | RA: 00 48 9.6437 (12.0401821d) | | V=18.0 | Reference Frame: ICRS | | Alt Name1: N25 | Dec: -73 13 59.22 (-73.23312d) | | | | | | Equinox: J2000 | | | | | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | (6) | SWBAR-F01 | RA: 00 47 10.4063 (11.7933596d) | | V=18.0 | Reference Frame: ICRS | | Alt Name1: B1-3 | Dec: -73 22 22.70 (-73.37297d) | | | | | | Equinox: J2000 | | | | | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (3) | SWBAR-F04 | RA: 00 48 9.6437 (12.0401821d) | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Alt Name1: N25 | Dec: -73 13 59.22 (-73.23312d) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Equinox: J2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (6) | SWBAR-F01 | RA: 00 47 10.4063 (11.7933596d) | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Alt Name1: B1-3 | Dec: -73 22 22.70 (-73.37297d) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Equinox: J2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Proposal 15912 - Visit 06 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F0 6-UVIS-F54 7M | (6) SWBAR-F01 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 06 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 3-WFC-F81 4W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 06 | 15 Secs (15 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 6-UVIS-F65 7N | (6) SWBAR-F01 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 06 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 3-WFC-F81 4W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 06 | 885 Secs (885 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 6-UVIS-F65 7N | (6) SWBAR-F01 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 06 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F0 3-WFC-F81 4W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 06 | 875 Secs (875 Secs) [==>] | [1] |
| | 7 | SWBAR-F0 6-UVIS-F54 7M | (6) SWBAR-F01 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 06 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F0 3-WFC-F81 4W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 06 | 500 Secs (500 Secs) [==>] | [1] |
| | 9 | SWBAR-F0 6-IR-F160W | (6) SWBAR-F01 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 06 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-F0 3-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 06 | 10 Secs (10 Secs) [==>] | [2] |
| | 11 | SWBAR-F0 6-IR-F110W | (6) SWBAR-F01 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 06 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F0 3-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 06 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 6-IR-F160W | (6) SWBAR-F01 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 06 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F0 3-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 06 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 6-IR-F160W | (6) SWBAR-F01 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 06 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F0 3-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 06 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 6-IR-F160W | (6) SWBAR-F01 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 06 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F0 3-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 06 | 500 Secs (500 Secs) [==>] | [2] |



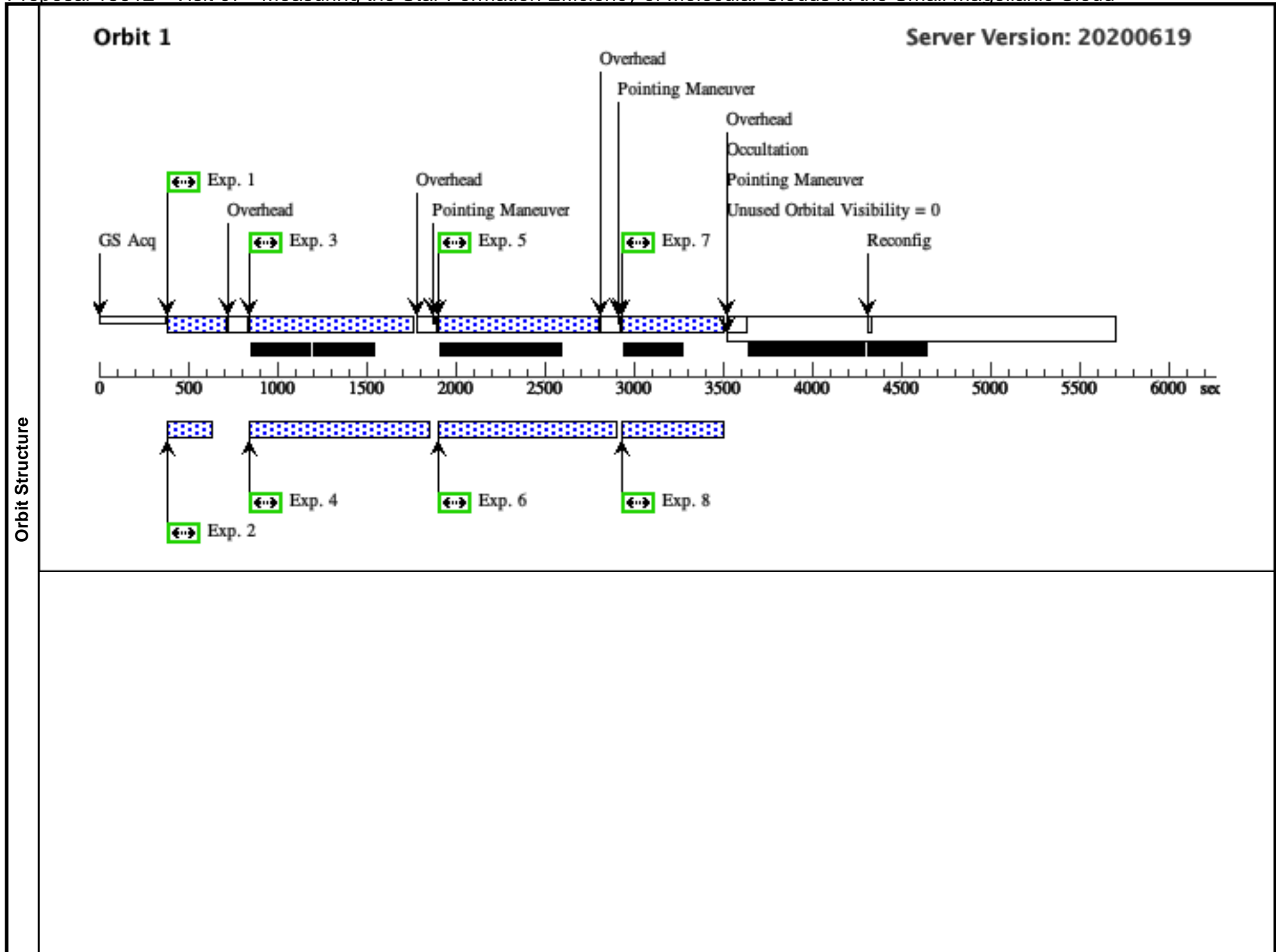


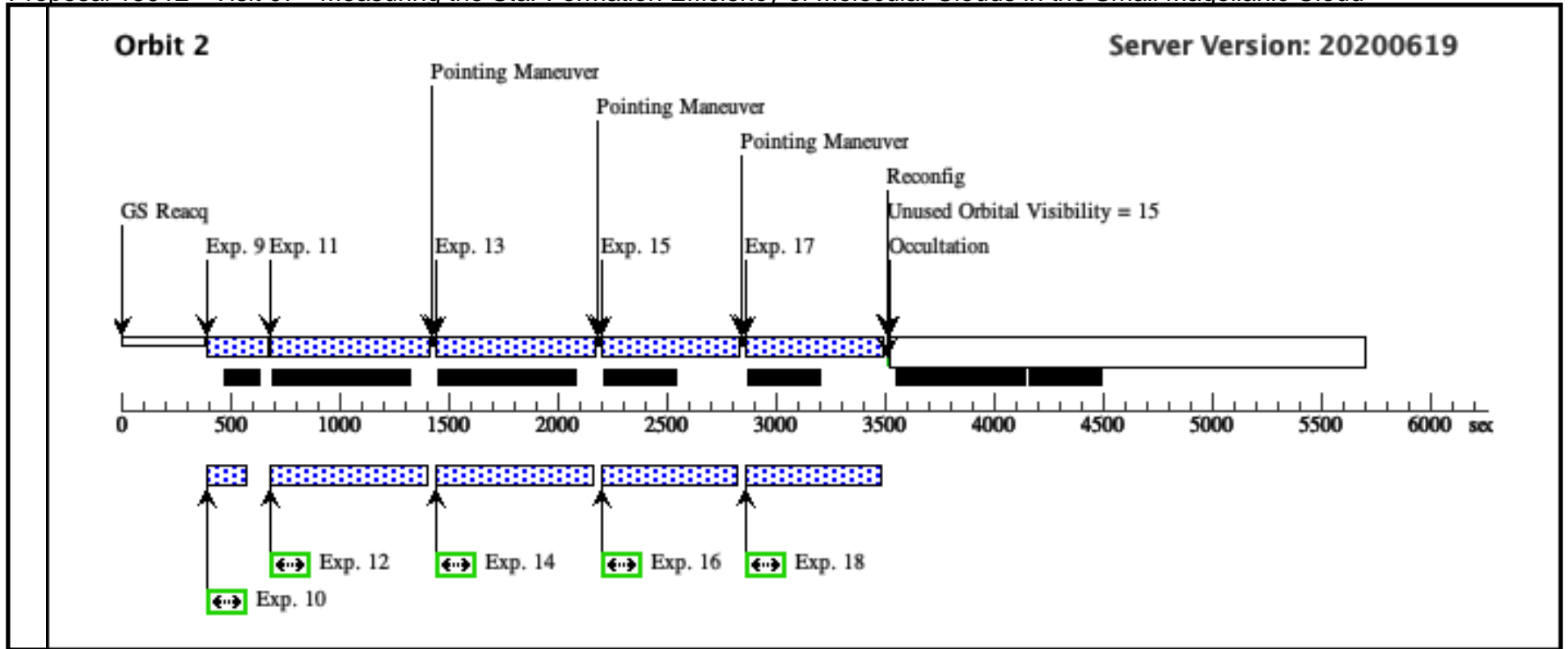
Proposal 15912 - Visit 07 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| | | | | | |
|--|---|--|--|--|--|
| Visit | Proposal 15912, Visit 07, completed Mon Feb 01 16:00:57 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 42D TO 42 D | | | | |
| | Fixed Targets | # Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous | | | |
| (4) SWBAR-F05 RA: 00 48 13.3799 (12.0557496d) Alt Name1: B2-N Dec: -73 11 40.69 (-73.19464d) Equinox: J2000 Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | |
| (7) SWBAR-F07 RA: 00 49 38.0222 (12.4084258d) Alt Name1: N34 Dec: -73 10 28.83 (-73.17467d) Equinox: J2000 Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | |

Proposal 15912 - Visit 07 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F0 7-UVIS-F54 7M | (7) SWBAR-F07 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 07 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 5-WFC-F81 4W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 07 | 15 Secs (15 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 7-UVIS-F65 7N | (7) SWBAR-F07 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 07 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 5-WFC-F81 4W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 07 | 885 Secs (885 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 7-UVIS-F65 7N | (7) SWBAR-F07 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 07 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F0 5-WFC-F81 4W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 07 | 875 Secs (875 Secs) [==>] | [1] |
| | 7 | SWBAR-F0 7-UVIS-F54 7M | (7) SWBAR-F07 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 07 | 548 Secs (548 Secs) [==>] | [1] |
| | 8 | SWBAR-F0 5-WFC-F81 4W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 07 | 448 Secs (448 Secs) [==>] | [1] |
| | 9 | SWBAR-F0 7-IR-F160W | (7) SWBAR-F07 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=10; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 07 | 249.23203 Secs (249.232 Secs) [==>] | [2] |
| | 10 | SWBAR-F0 5-WFC-F47 5W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 07 | 10 Secs (10 Secs) [==>] | [2] |
| | 11 | SWBAR-F0 7-IR-F110W | (7) SWBAR-F07 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 07 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F0 5-WFC-F47 5W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 07 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 7-IR-F160W | (7) SWBAR-F07 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 07 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F0 5-WFC-F47 5W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 07 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 7-IR-F160W | (7) SWBAR-F07 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 07 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F0 5-WFC-F47 5W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 07 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 7-IR-F160W | (7) SWBAR-F07 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 07 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F0 5-WFC-F47 5W | (4) SWBAR-F05 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 07 | 500 Secs (500 Secs) [==>] | [2] |





Proposal 15912 - Visit 08 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

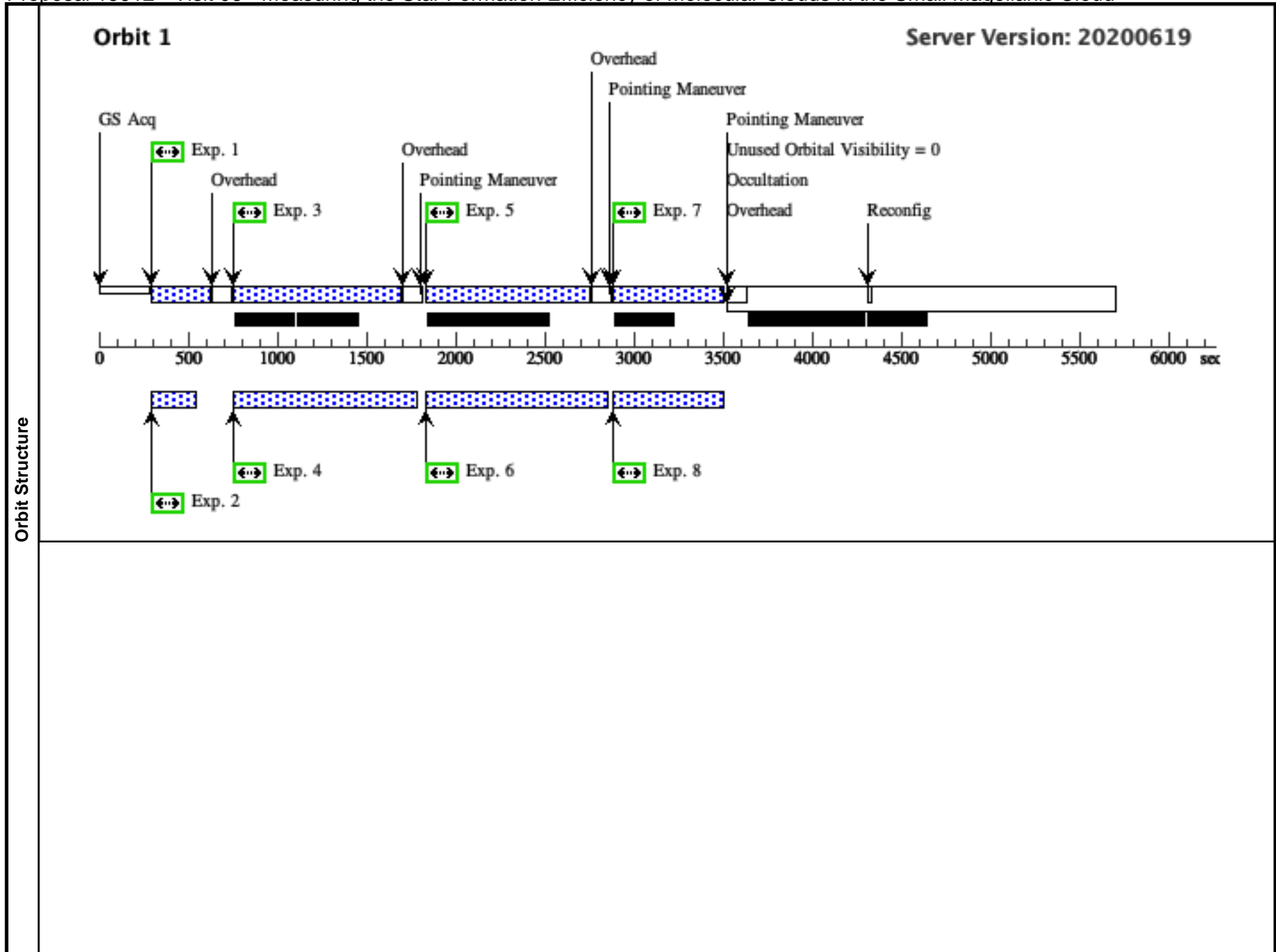
| Visit | Proposal 15912, Visit 08, completed Mon Feb 01 16:00:57 GMT 2021 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 349D TO 349 D | | | | | |
|--|---|-----------------------------|---|--------------------|--------------------------|-----------------------|
| | Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes |
| (3) | | SWBAR-F04 Alt Name1: N25 | RA: 00 48 9.6437 (12.0401821d) Dec: -73 13 59.22 (-73.23312d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | |
| (8) | | SWBAR-F08 Alt Name1: N30 | RA: 00 48 53.5610 (12.2231708d) Dec: -73 08 51.86 (-73.14774d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | |

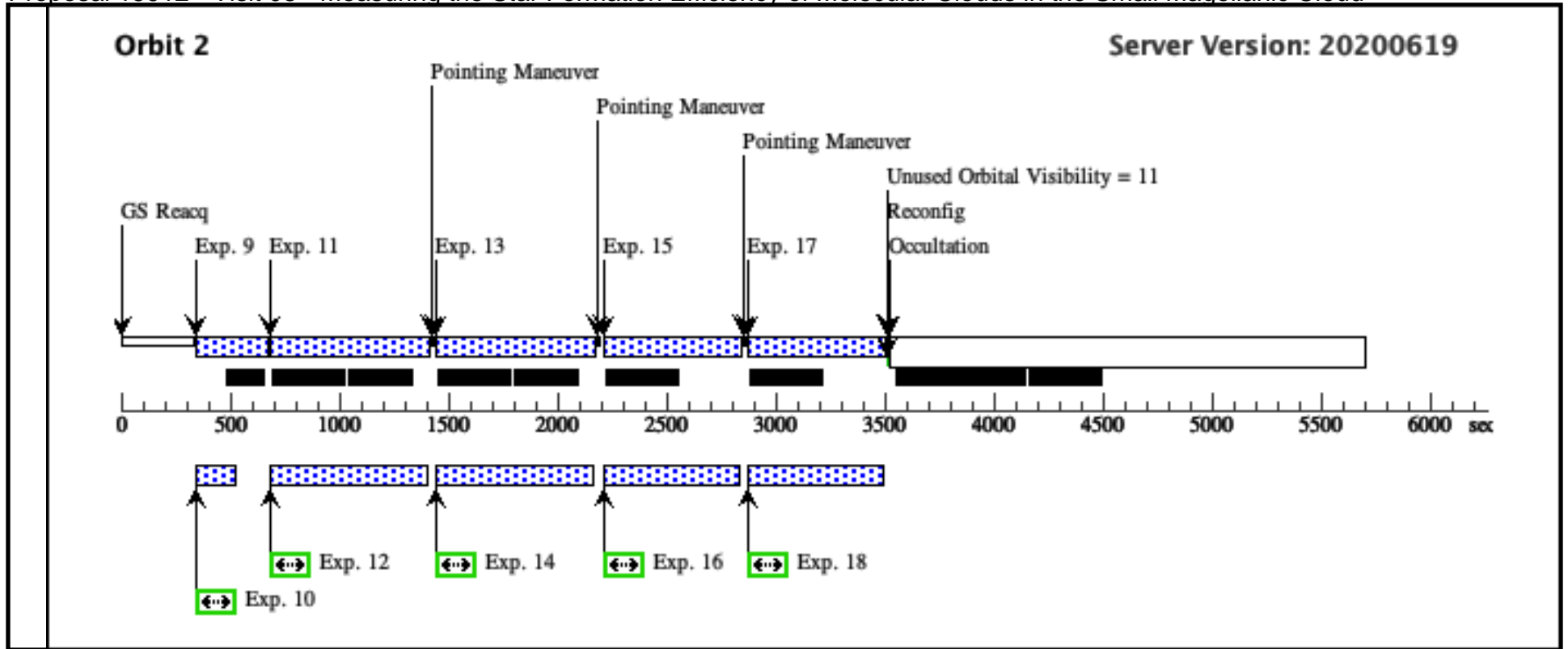
Proposal 15912 - Visit 08 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--|--|---|-----|
| Exposures | 1 | SWBAR-F0 8-UVIS-F54 7M | (8) SWBAR-F08 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96; GS ACQ SCENARI O SINGLE | Prime + Parallel Gro up 1-2 in Visit 08 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 4-WFC-F81 4W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 08 | 15 Secs (15 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 8-UVIS-F65 7N | (8) SWBAR-F08 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 08 | 920 Secs (920 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 4-WFC-F81 4W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 08 | 910 Secs (910 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 8-UVIS-F65 7N | (8) SWBAR-F08 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 08 | 920 Secs (920 Secs) [==>] | [1] |
| | 6 | SWBAR-F0 4-WFC-F81 4W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 08 | 895 Secs (895 Secs) [==>] | [1] |
| | 7 | SWBAR-F0 8-UVIS-F54 7M | (8) SWBAR-F08 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 08 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F0 4-WFC-F81 4W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 08 | 500 Secs (500 Secs) [==>] | [1] |
| | 9 | SWBAR-F0 8-IR-F160W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=11; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 08 | 299.232481 Secs (299.232 Secs) [==>] | [2] |
| | 10 | SWBAR-F0 4-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 08 | 10 Secs (10 Secs) [==>] | [2] |
| | 11 | SWBAR-F0 8-IR-F110W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 08 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F0 4-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 08 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 8-IR-F160W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 08 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F0 4-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 08 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 8-IR-F160W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 08 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F0 4-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 08 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 8-IR-F160W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 08 | 599.232292 Secs (599.232 Secs) [==>] | [2] |

Proposal 15912 - Visit 08 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| | | | | | | | |
|--|--------------------------------|---------------|---------------------|-------|--|------------------------------|-----|
| | 18 SWBAR-F0 4-WFC-F47 5W | (3) SWBAR-F04 | ACS/WFC, ACCUM, WFC | F475W | Prime + Parallel Group up 17-18 in Visit 08 | 500 Secs (500 Secs) [==>] | [2] |
|--|--------------------------------|---------------|---------------------|-------|--|------------------------------|-----|

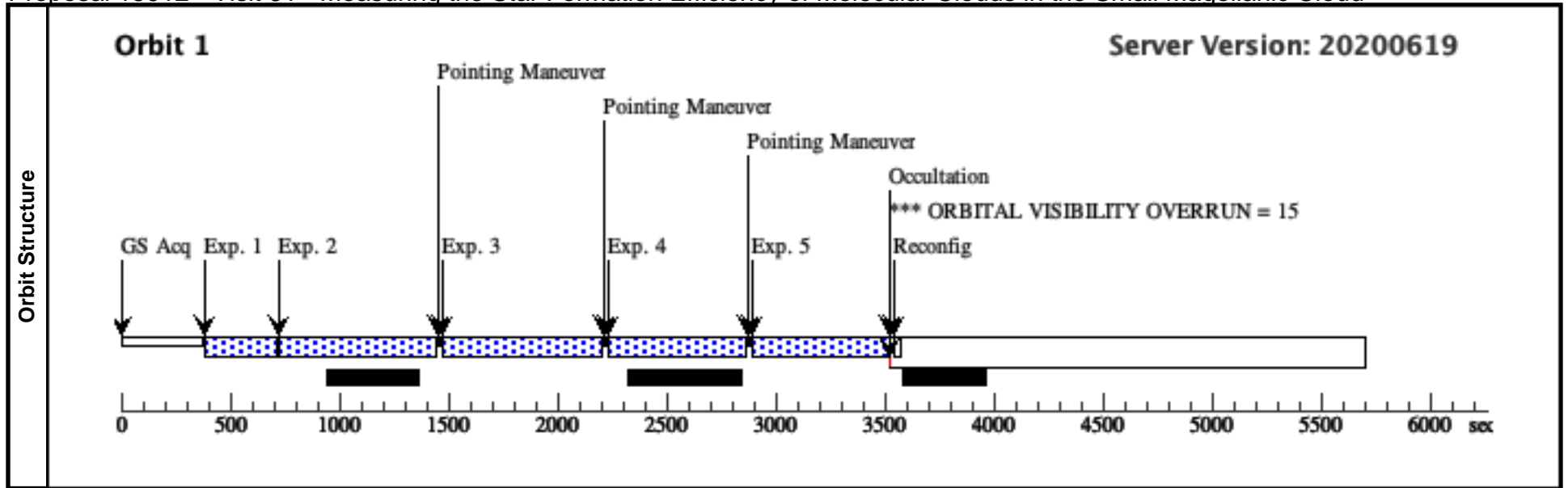




Proposal 15912 - Visit 61 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

Mon Feb 01 16:00:58 GMT 2021

| | | | | | | | | | | |
|--|---|-----------------------------|---|-----------------------------|---------------------------------|-----------------------------------|--------------------------|-----------------------|---|--------------|
| Visit | Proposal 15912, Visit 61 Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none) | | | | | | | | | |
| | (Visit 61) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | Miscellaneous | | |
| | (8) | SWBAR-F08 Alt Name1: N30 | RA: 00 48 53.5610 (12.2231708d) Dec: -73 08 51.86 (-73.14774d) Equinox: J2000 | | | | V=18.0 | Reference Frame: ICRS | | |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | SWBAR-F0 8-IR-F160W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=11; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | | 299.232481 Secs (299.232 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 8-IR-F110W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | | 699.232615 Secs (699.233 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 8-IR-F160W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | | 699.232615 Secs (699.233 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 8-IR-F160W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | | 599.232292 Secs (599.232 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 8-IR-F160W | (8) SWBAR-F08 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | | 599.232292 Secs (599.232 Secs) [==>] | [1] |



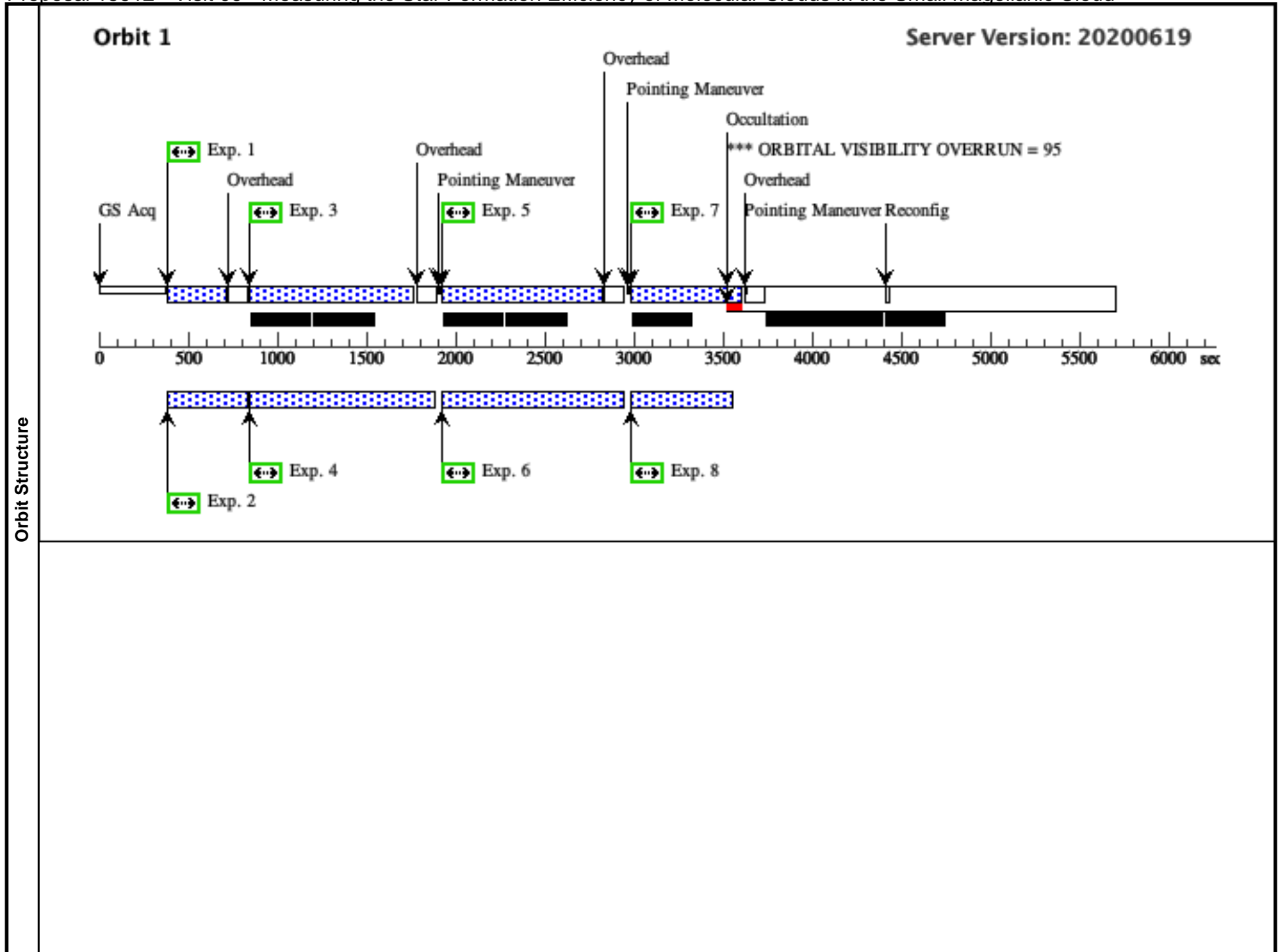
Proposal 15912 - Visit 09 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

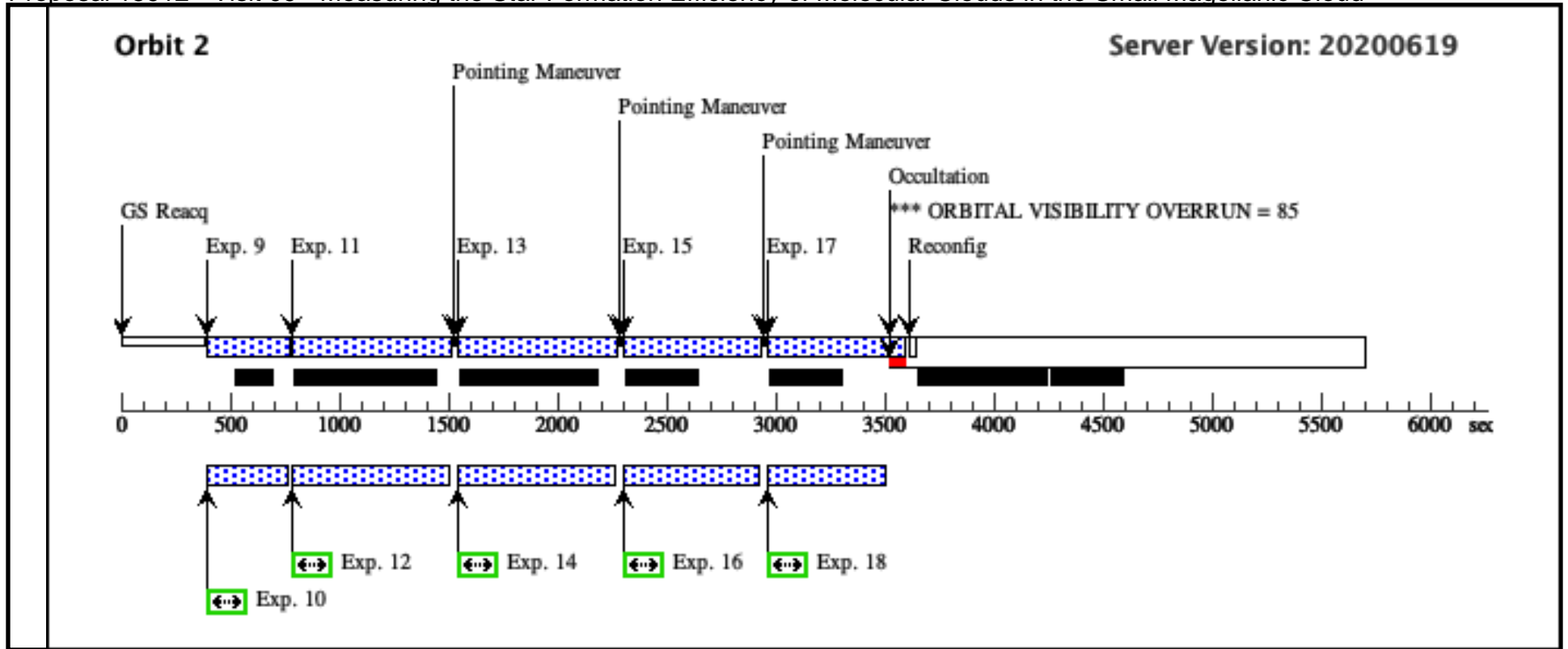
Mon Feb 01 16:00:58 GMT 2021

| Visit | Proposal 15912, Visit 09, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 45D TO 45 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--------------------|--------------------------|--------------------------|---------------|---------------|-----|-----------------------------|---|--|--------|-----------------------|---|--|--|--|--|--|------|------------------------------|--|--|--------|-----------------------|---|--|--|--|--|--|--|--|--|--|--|
| | (Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>(9)</td> <td>SWBAR-F09 Alt Name1: N27</td> <td>RA: 00 48 26.5931 (12.1108046d) Dec: -73 05 48.33 (-73.09676d) Equinox: J2000</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> <i>Category=EXT-MEDIUM</i> <i>Description=[MOLECULAR CLOUD, STAR FORMING REGION]</i> </td> </tr> <tr> <td>(11)</td> <td>SWBAR-F11 Alt Name1: N12A</td> <td>RA: 00 47 2.9604 (11.7623350d) Dec: -73 05 41.66 (-73.09491d) Equinox: J2000</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> <i>Category=EXT-MEDIUM</i> <i>Description=[MOLECULAR CLOUD, STAR FORMING REGION]</i> </td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (9) | SWBAR-F09 Alt Name1: N27 | RA: 00 48 26.5931 (12.1108046d) Dec: -73 05 48.33 (-73.09676d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | <i>Comments:</i> <i>Category=EXT-MEDIUM</i> <i>Description=[MOLECULAR CLOUD, STAR FORMING REGION]</i> | | | | | | (11) | SWBAR-F11 Alt Name1: N12A | RA: 00 47 2.9604 (11.7623350d) Dec: -73 05 41.66 (-73.09491d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | <i>Comments:</i> <i>Category=EXT-MEDIUM</i> <i>Description=[MOLECULAR CLOUD, STAR FORMING REGION]</i> | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (9) | SWBAR-F09 Alt Name1: N27 | RA: 00 48 26.5931 (12.1108046d) Dec: -73 05 48.33 (-73.09676d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Comments:</i> <i>Category=EXT-MEDIUM</i> <i>Description=[MOLECULAR CLOUD, STAR FORMING REGION]</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (11) | SWBAR-F11 Alt Name1: N12A | RA: 00 47 2.9604 (11.7623350d) Dec: -73 05 41.66 (-73.09491d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Comments:</i> <i>Category=EXT-MEDIUM</i> <i>Description=[MOLECULAR CLOUD, STAR FORMING REGION]</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Proposal 15912 - Visit 09 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F0 9-UVIS-F54 7M | (9) SWBAR-F09 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 09 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F1 1-WFC-F81 4W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 09 | 15 Secs (246 Secs) [==>246.0 Secs] | [1] |
| | 3 | SWBAR-F0 9-UVIS-F65 7N | (9) SWBAR-F09 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 09 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F1 1-WFC-F81 4W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 09 | 885 Secs (917 Secs) [==>917.0 Secs] | [1] |
| | 5 | SWBAR-F0 9-UVIS-F65 7N | (9) SWBAR-F09 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 09 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F1 1-WFC-F81 4W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 09 | 875 Secs (897 Secs) [==>897.0 Secs] | [1] |
| | 7 | SWBAR-F0 9-UVIS-F54 7M | (9) SWBAR-F09 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 09 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F1 1-WFC-F81 4W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 09 | 500 Secs (448 Secs) [==>448.0 Secs] | [1] |
| | 9 | SWBAR-F0 9-IR-F160W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 09 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-F1 1-WFC-F47 5W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 09 | 10 Secs (209 Secs) [==>209.0 Secs] | [2] |
| | 11 | SWBAR-F0 9-IR-F110W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 09 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F1 1-WFC-F47 5W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 09 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F0 9-IR-F160W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 09 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F1 1-WFC-F47 5W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 09 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F0 9-IR-F160W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 09 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F1 1-WFC-F47 5W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 09 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F0 9-IR-F160W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 09 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F1 1-WFC-F47 5W | (11) SWBAR-F11 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 09 | 500 Secs (418 Secs) [==>418.0 Secs] | [2] |

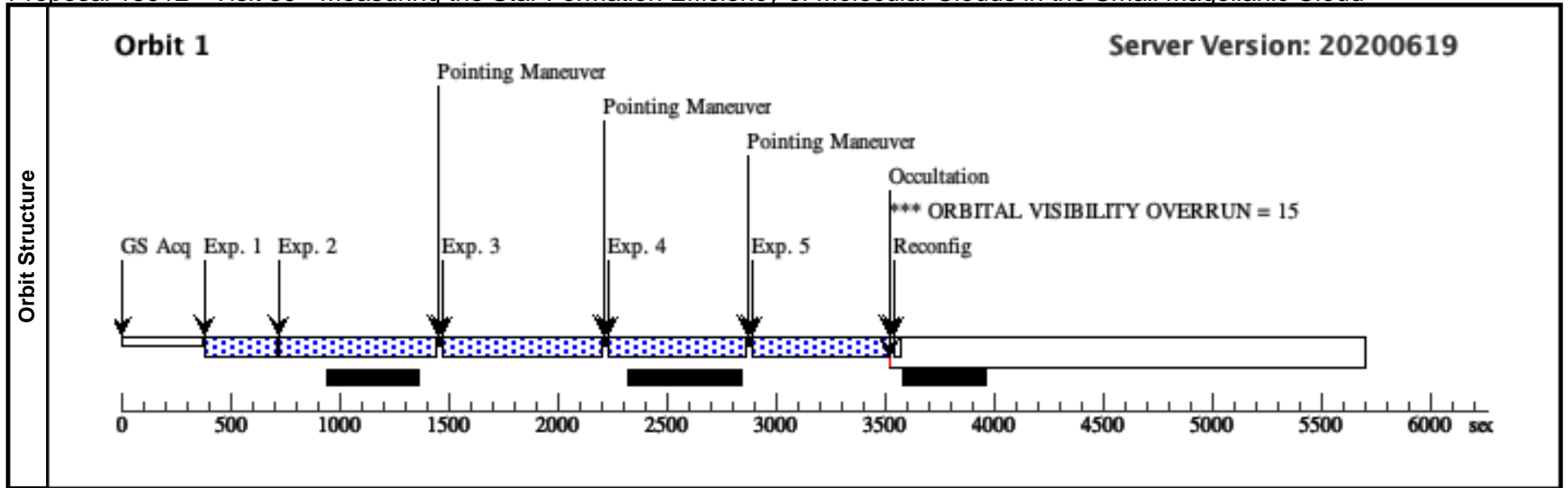




Proposal 15912 - Visit 59 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

Mon Feb 01 16:00:58 GMT 2021

| | | | | | | | | | | |
|--|---|-----------------------------|---|---------------------------------|----------------------|-----------------------------------|--------------------------|---------------|---|--------------|
| Visit | Proposal 15912, Visit 59, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none) | | | | | | | | | |
| | (Visit 59) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | |
| Diagnosics | | | | | | | | | | |
| | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (9) | SWBAR-F09 Alt Name1: N27 | RA: 00 48 26.5931 (12.1108046d) Dec: -73 05 48.33 (-73.09676d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | SWBAR-F0 9-IR-F160W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=11; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | | 299.232481 Secs (299.232 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 9-IR-F110W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | | 699.232615 Secs (699.233 Secs) [==>] | [1] |
| | 3 | SWBAR-F0 9-IR-F160W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | | 699.232615 Secs (699.233 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 9-IR-F160W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | | 599.232292 Secs (599.232 Secs) [==>] | [1] |
| | 5 | SWBAR-F0 9-IR-F160W | (9) SWBAR-F09 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | | 599.232292 Secs (599.232 Secs) [==>] | [1] |
| | | | | | | | | | | |



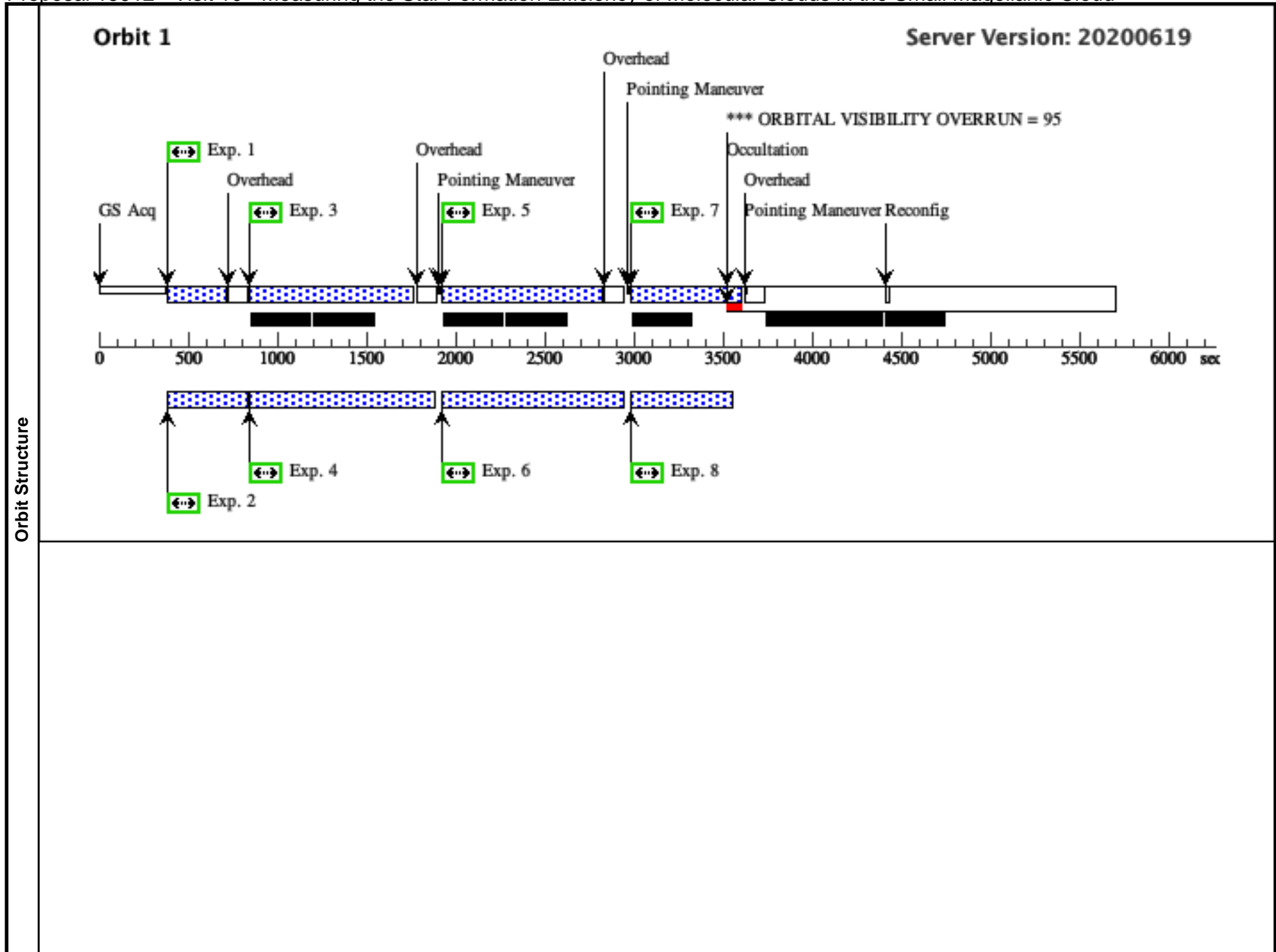
Proposal 15912 - Visit 10 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

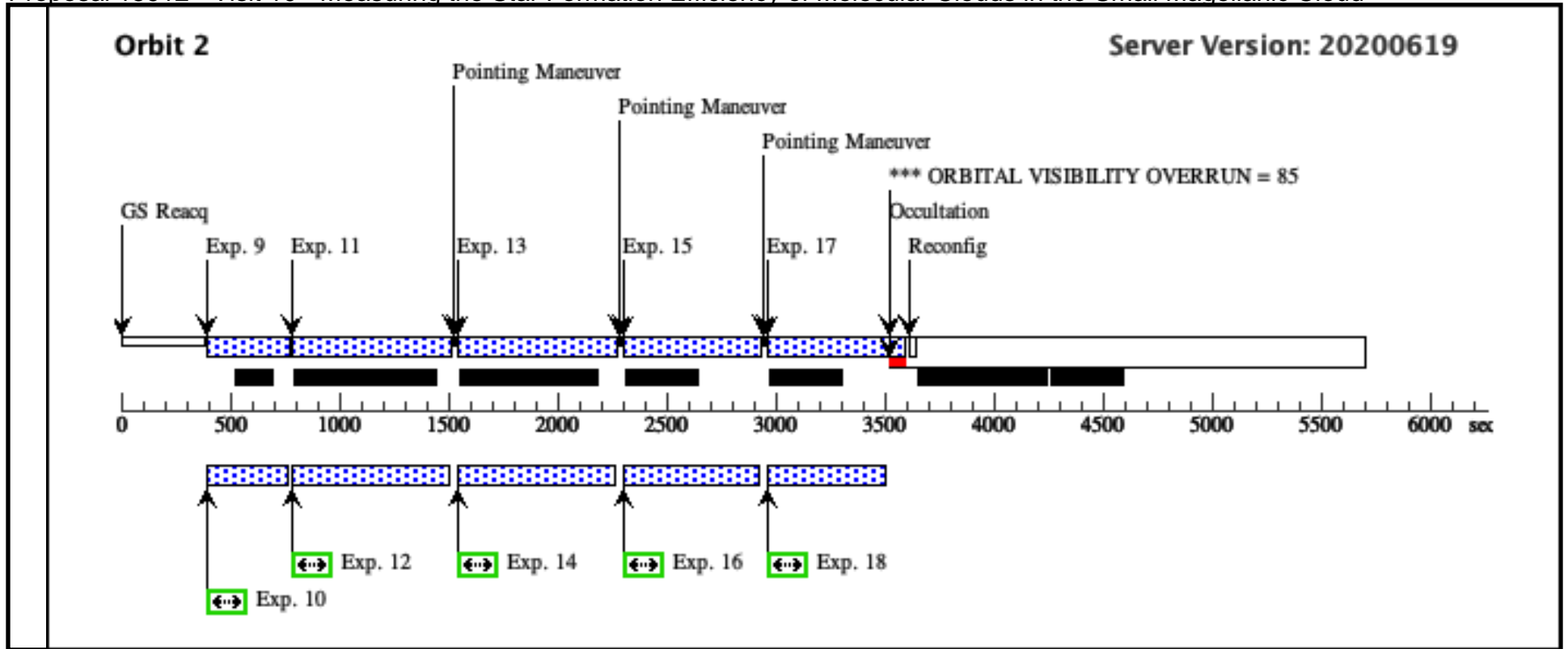
Mon Feb 01 16:00:58 GMT 2021

| | | | | | | |
|--|---|------------------------------|---|---------------------------------|---------------|-----------------------|
| Visit | Proposal 15912, Visit 10, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 45D TO 45 D | | | | | |
| | (Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | |
| Diagnosics | | | | | | |
| | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
| | (10) | SWBAR-F10 Alt Name1: N27 | RA: 00 47 58.4702 (11.9936258d) Dec: -73 05 55.80 (-73.09883d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS |
| | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | |
| | (12) | SWBAR-F12 Alt Name1: N12A | RA: 00 46 35.4841 (11.6478504d) Dec: -73 05 50.87 (-73.09746d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | |

Proposal 15912 - Visit 10 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F1 0-UVIS-F54 7M | (10) SWBAR-F10 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 10 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F1 2-WFC-F81 4W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 10 | 15 Secs (246 Secs) [==>246.0 Secs] | [1] |
| | 3 | SWBAR-F1 0-UVIS-F65 7N | (10) SWBAR-F10 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 10 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F1 2-WFC-F81 4W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 10 | 885 Secs (917 Secs) [==>917.0 Secs] | [1] |
| | 5 | SWBAR-F1 0-UVIS-F65 7N | (10) SWBAR-F10 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 10 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F1 2-WFC-F81 4W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 10 | 875 Secs (897 Secs) [==>897.0 Secs] | [1] |
| | 7 | SWBAR-F1 0-UVIS-F54 7M | (10) SWBAR-F10 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 10 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F1 2-WFC-F81 4W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 10 | 500 Secs (448 Secs) [==>448.0 Secs] | [1] |
| | 9 | SWBAR-F1 0-IR-F160W | (10) SWBAR-F10 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 10 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 10 | 10 Secs (209 Secs) [==>209.0 Secs] | [2] |
| | 11 | SWBAR-F1 0-IR-F110W | (10) SWBAR-F10 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 10 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 10 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F1 0-IR-F160W | (10) SWBAR-F10 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 10 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 10 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F1 0-IR-F160W | (10) SWBAR-F10 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 10 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 10 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F1 0-IR-F160W | (10) SWBAR-F10 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 10 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 10 | 500 Secs (418 Secs) [==>418.0 Secs] | [2] |





Proposal 15912 - Visit 60 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

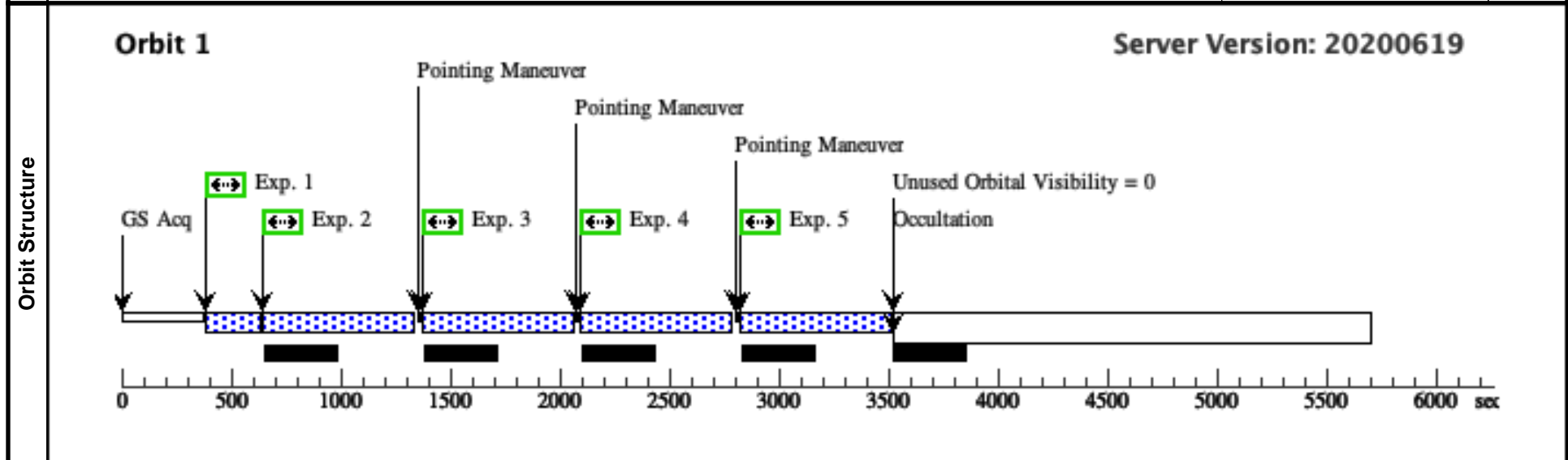
Mon Feb 01 16:00:58 GMT 2021

| | | | | | |
|--------------|---|--|--|--|--|
| Visit | Proposal 15912, Visit 60, implementation | | | | |
| | Diagnostic Status: No Diagnostics | | | | |
| | Scientific Instruments: ACS/WFC | | | | |
| | Special Requirements: (none) | | | | |

| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
|----------------------|------|-----------------|---------------------------------|--------------------------|--------|-----------------------|
| | (12) | SWBAR-F12 | RA: 00 46 35.4841 (11.6478504d) | | V=18.0 | Reference Frame: ICRS |
| | | Alt Name1: N12A | Dec: -73 05 50.87 (-73.09746d) | | | |
| | | | Equinox: J2000 | | | |

Comments:
 Category=EXT-MEDIUM
 Description=[MOLECULAR CLOUD, STAR FORMING REGION]

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-----------------------------|----------------|----------------------|---------------|--------------|----------------------|--------|---------------------------------|-------|
| | 1 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0.0,0.0 | | 10 Secs (10 Secs) [==>] | [1] |
| | 2 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0.0,0.0 | | 565 Secs (565 Secs) [==>] | [1] |
| | 3 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0.124,0.084 | | 565 Secs (565 Secs) [==>] | [1] |
| | 4 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0.371,3.068 | | 565 Secs (565 Secs) [==>] | [1] |
| | 5 | SWBAR-F1 2-WFC-F47 5W | (12) SWBAR-F12 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0.495,3.152 | | 565 Secs (565 Secs) [==>] | [1] |

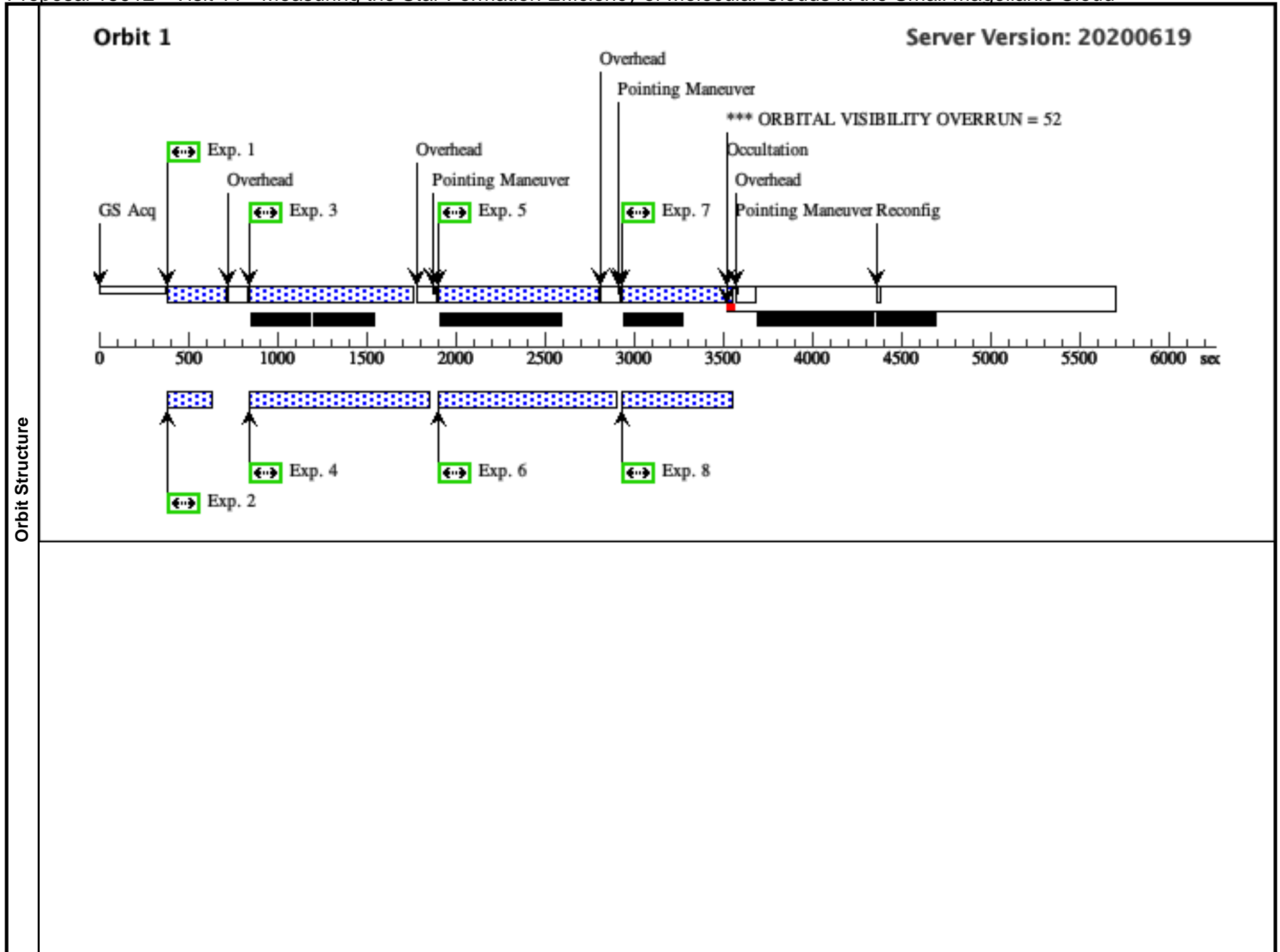


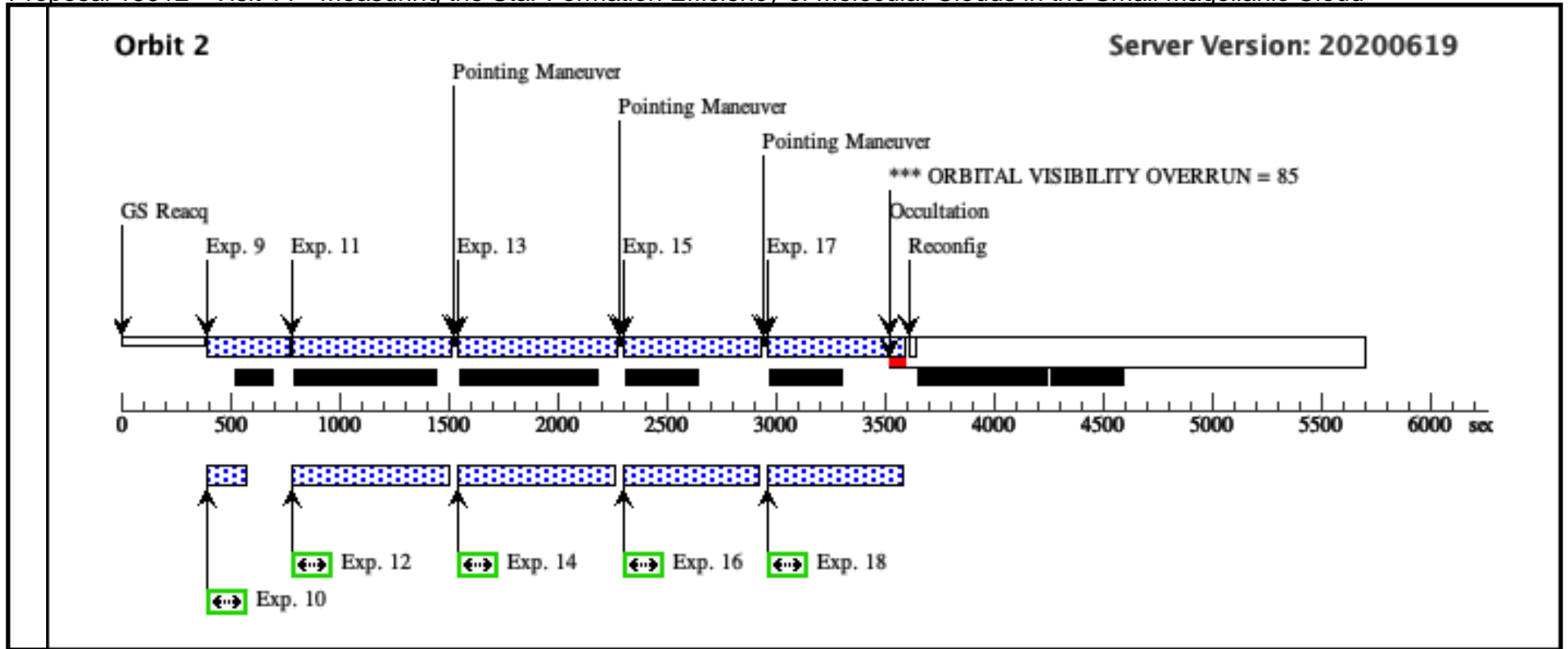
Proposal 15912 - Visit 11 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| Visit | Proposal 15912, Visit 11, completed Mon Feb 01 16:00:58 GMT 2021 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 225D TO 225 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--------------------|--------------------------|--------------------------|---------------|---------------|-----|-----------------------------|---|--|--------|-----------------------|--|--|--|--|--|--|------|------------------------------|--|--|--------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|
| | (Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>(9)</td> <td>SWBAR-F09 Alt Name1: N27</td> <td>RA: 00 48 26.5931 (12.1108046d) Dec: -73 05 48.33 (-73.09676d) Equinox: J2000</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> <tr> <td>(11)</td> <td>SWBAR-F11 Alt Name1: N12A</td> <td>RA: 00 47 2.9604 (11.7623350d) Dec: -73 05 41.66 (-73.09491d) Equinox: J2000</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (9) | SWBAR-F09 Alt Name1: N27 | RA: 00 48 26.5931 (12.1108046d) Dec: -73 05 48.33 (-73.09676d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | (11) | SWBAR-F11 Alt Name1: N12A | RA: 00 47 2.9604 (11.7623350d) Dec: -73 05 41.66 (-73.09491d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (9) | SWBAR-F09 Alt Name1: N27 | RA: 00 48 26.5931 (12.1108046d) Dec: -73 05 48.33 (-73.09676d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (11) | SWBAR-F11 Alt Name1: N12A | RA: 00 47 2.9604 (11.7623350d) Dec: -73 05 41.66 (-73.09491d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Proposal 15912 - Visit 11 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|-------|------------------------------|----------------------|----------------------------------|--------------|-----------------------------------|--------------------------|--|---|-----|
| Exposures | 1 | SWBAR-F1 1-UVIS-F54 7M | (11) SWBAR-F11 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 11 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F0 9-WFC-F81 4W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 11 | 15 Secs (15 Secs) [==>] | [1] |
| | 3 | SWBAR-F1 1-UVIS-F65 7N | (11) SWBAR-F11 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 11 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F0 9-WFC-F81 4W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 11 | 885 Secs (885 Secs) [==>] | [1] |
| | 5 | SWBAR-F1 1-UVIS-F65 7N | (11) SWBAR-F11 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 11 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F0 9-WFC-F81 4W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 11 | 875 Secs (875 Secs) [==>] | [1] |
| | 7 | SWBAR-F1 1-UVIS-F54 7M | (11) SWBAR-F11 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 11 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F0 9-WFC-F81 4W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 11 | 500 Secs (500 Secs) [==>] | [1] |
| | 9 | SWBAR-F1 1-IR-F160W | (11) SWBAR-F11 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 11 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-F0 9-WFC-F47 5W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 11 | 10 Secs (10 Secs) [==>] | [2] |
| | 11 | SWBAR-F1 1-IR-F110W | (11) SWBAR-F11 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 11 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F0 9-WFC-F47 5W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 11 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F1 1-IR-F160W | (11) SWBAR-F11 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 11 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F0 9-WFC-F47 5W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 11 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F1 1-IR-F160W | (11) SWBAR-F11 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 11 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F0 9-WFC-F47 5W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 11 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F1 1-IR-F160W | (11) SWBAR-F11 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 11 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F0 9-WFC-F47 5W | (9) SWBAR-F09 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 11 | 500 Secs (500 Secs) [==>] | [2] |



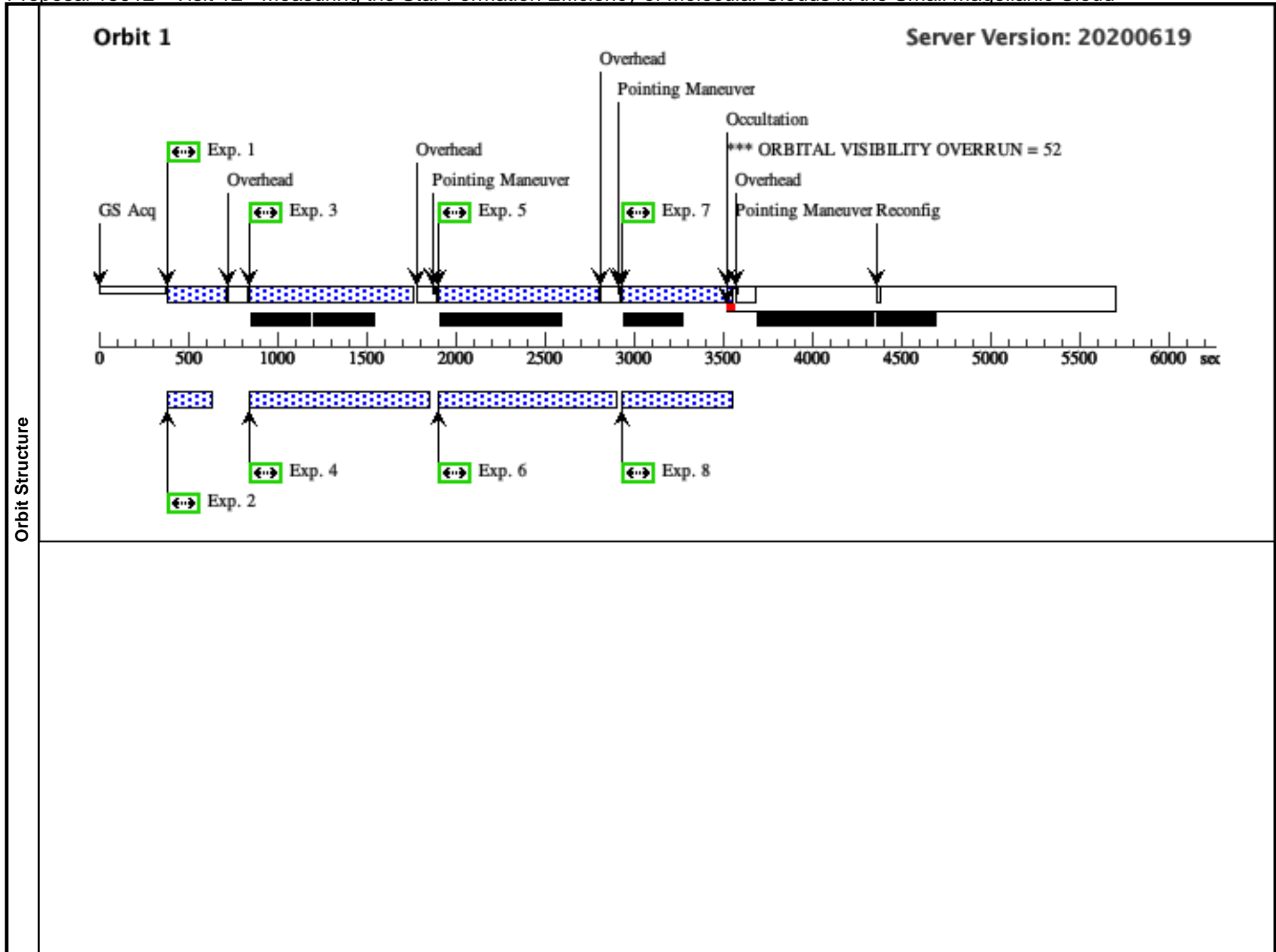


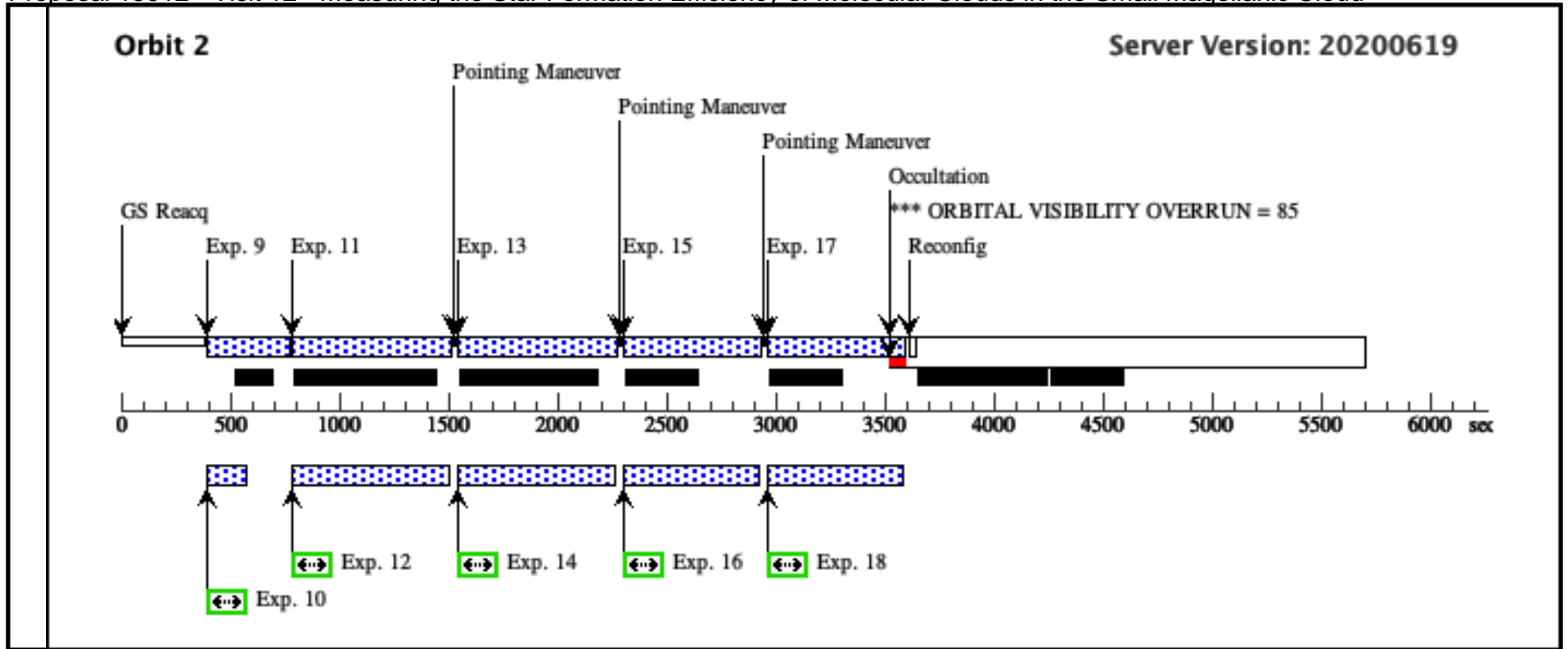
Proposal 15912 - Visit 12 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| Visit | Proposal 15912, Visit 12, completed Mon Feb 01 16:00:58 GMT 2021 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 225D TO 225 D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--------------------|--------------------------|--------------------------|---------------|---------------|------|-----------------------------|---|--|--------|-----------------------|--|--|--|--|--|--|------|------------------------------|---|--|--------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|
| | (Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>(10)</td> <td>SWBAR-F10 Alt Name1: N27</td> <td>RA: 00 47 58.4702 (11.9936258d) Dec: -73 05 55.80 (-73.09883d) Equinox: J2000</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> <tr> <td>(12)</td> <td>SWBAR-F12 Alt Name1: N12A</td> <td>RA: 00 46 35.4841 (11.6478504d) Dec: -73 05 50.87 (-73.09746d) Equinox: J2000</td> <td></td> <td>V=18.0</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] </td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (10) | SWBAR-F10 Alt Name1: N27 | RA: 00 47 58.4702 (11.9936258d) Dec: -73 05 55.80 (-73.09883d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | (12) | SWBAR-F12 Alt Name1: N12A | RA: 00 46 35.4841 (11.6478504d) Dec: -73 05 50.87 (-73.09746d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | Comments: Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (10) | SWBAR-F10 Alt Name1: N27 | RA: 00 47 58.4702 (11.9936258d) Dec: -73 05 55.80 (-73.09883d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| (12) | SWBAR-F12 Alt Name1: N12A | RA: 00 46 35.4841 (11.6478504d) Dec: -73 05 50.87 (-73.09746d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Proposal 15912 - Visit 12 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

| | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|----|------------------------------|----------------|----------------------------------|---------------|-----------------------------------|--------------------------|--|---|-------|
| Exposures | 1 | SWBAR-F1 2-UVIS-F54 7M | (12) SWBAR-F12 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 1-2 in Visit 12 | 300 Secs (300 Secs) [==>] | [1] |
| | 2 | SWBAR-F1 0-WFC-F81 4W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 1-2 in Visit 12 | 15 Secs (15 Secs) [==>] | [1] |
| | 3 | SWBAR-F1 2-UVIS-F65 7N | (12) SWBAR-F12 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 1.655,2. 96 | Prime + Parallel Gro up 3-4 in Visit 12 | 900 Secs (900 Secs) [==>] | [1] |
| | 4 | SWBAR-F1 0-WFC-F81 4W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 3-4 in Visit 12 | 885 Secs (885 Secs) [==>] | [1] |
| | 5 | SWBAR-F1 2-UVIS-F65 7N | (12) SWBAR-F12 | WFC3/UVIS, ACCUM, UVIS-CENTER | F657N | FLASH=10 | POS TARG 3.577,4. 882 | Prime + Parallel Gro up 5-6 in Visit 12 | 900 Secs (900 Secs) [==>] | [1] |
| | 6 | SWBAR-F1 0-WFC-F81 4W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 5-6 in Visit 12 | 875 Secs (875 Secs) [==>] | [1] |
| | 7 | SWBAR-F1 2-UVIS-F54 7M | (12) SWBAR-F12 | WFC3/UVIS, ACCUM, UVIS-CENTER | F547M | FLASH=8 | POS TARG 3.468,4. 882 | Prime + Parallel Gro up 7-8 in Visit 12 | 600 Secs (600 Secs) [==>] | [1] |
| | 8 | SWBAR-F1 0-WFC-F81 4W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F814W | | | Prime + Parallel Gro up 7-8 in Visit 12 | 500 Secs (500 Secs) [==>] | [1] |
| | 9 | SWBAR-F1 2-IR-F160W | (12) SWBAR-F12 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 9-10 in Visit 12 | 349.232932 Secs (349.233 Secs) [==>] | [2] |
| | 10 | SWBAR-F1 0-WFC-F47 5W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 9-10 in Visit 12 | 10 Secs (10 Secs) [==>] | [2] |
| | 11 | SWBAR-F1 2-IR-F110W | (12) SWBAR-F12 | WFC3/IR, MULTIACCUM, IR-FIX | F110W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.187,0. 086 | Prime + Parallel Gro up 11-12 in Visit 12 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 12 | SWBAR-F1 0-WFC-F47 5W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 11-12 in Visit 12 | 600 Secs (600 Secs) [==>] | [2] |
| | 13 | SWBAR-F1 2-IR-F160W | (12) SWBAR-F12 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=13; SAMP-SEQ=STEP1 00 | POS TARG 0.206,0. 171 | Prime + Parallel Gro up 13-14 in Visit 12 | 699.232615 Secs (699.233 Secs) [==>] | [2] |
| | 14 | SWBAR-F1 0-WFC-F47 5W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 13-14 in Visit 12 | 600 Secs (600 Secs) [==>] | [2] |
| | 15 | SWBAR-F1 2-IR-F160W | (12) SWBAR-F12 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.128,2. 093 | Prime + Parallel Gro up 15-16 in Visit 12 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 16 | SWBAR-F1 0-WFC-F47 5W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 15-16 in Visit 12 | 500 Secs (500 Secs) [==>] | [2] |
| | 17 | SWBAR-F1 2-IR-F160W | (12) SWBAR-F12 | WFC3/IR, MULTIACCUM, IR-FIX | F160W | NSAMP=12; SAMP-SEQ=STEP1 00 | POS TARG 2.069,1. 904 | Prime + Parallel Gro up 17-18 in Visit 12 | 599.232292 Secs (599.232 Secs) [==>] | [2] |
| | 18 | SWBAR-F1 0-WFC-F47 5W | (10) SWBAR-F10 | ACS/WFC, ACCUM, WFC | F475W | | | Prime + Parallel Gro up 17-18 in Visit 12 | 500 Secs (500 Secs) [==>] | [2] |





Proposal 15912 - Visit 13 - Measuring the Star Formation Efficiency of Molecular Clouds in the Small Magellanic Cloud

Mon Feb 01 16:00:58 GMT 2021

| Visit | Proposal 15912, Visit 13, completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none) | | | | | | | | | |
|-----------|---|-----------------------------|---|----------------------|--------------------------|-----------------------|----------------------|--------|---------------------------------|-------|
| | Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | |
| | (8) | SWBAR-F08 Alt Name1: N30 | RA: 00 48 53.5610 (12.2231708d) Dec: -73 08 51.86 (-73.14774d) Equinox: J2000 | | V=18.0 | Reference Frame: ICRS | | | | |
| | <i>Comments:</i> Category=EXT-MEDIUM Description=[MOLECULAR CLOUD, STAR FORMING REGION] | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F814W | | POS TARG 0,0 | | 15 Secs (15 Secs) [==>] | [1] |
| | 2 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F814W | | POS TARG 0,0 | | 565 Secs (565 Secs) [==>] | [1] |
| | 3 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F814W | | POS TARG 0.124,0.084 | | 565 Secs (565 Secs) [==>] | [1] |
| | 4 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F814W | | POS TARG 0.371,3.068 | | 565 Secs (565 Secs) [==>] | [1] |
| | 5 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F814W | | POS TARG 0.495,3.152 | | 565 Secs (565 Secs) [==>] | [1] |
| | 6 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0,0 | | 10 Secs (10 Secs) [==>] | [2] |
| | 7 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0,0 | | 580 Secs (580 Secs) [==>] | [2] |
| | 8 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0.124,0.084 | | 580 Secs (580 Secs) [==>] | [2] |
| | 9 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0.371,3.068 | | 580 Secs (580 Secs) [==>] | [2] |
| | 10 | | (8) SWBAR-F08 | ACS/WFC, ACCUM, WFC | F475W | | POS TARG 0.495,3.152 | | 580 Secs (580 Secs) [==>] | [2] |

