



16720 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing hypotheses for the formation of the Solar System

Cycle: 29, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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| Dr. Stephen Tegler (CoI) | Northern Arizona University | stephen.tegler@nau.edu |

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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 40 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:00:23.0 | yes |
| 41 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:00:30.0 | yes |
| 42 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:00:36.0 | yes |

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 43 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:00:43.0 | yes |
| 44 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:00:49.0 | yes |
| 45 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:00:56.0 | yes |
| 46 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:01:02.0 | yes |
| 47 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:01:09.0 | yes |
| 48 | (2) ECLIPTIC-RA12H | ACS/WFC WFC3/UVIS | 11 | 20-Dec-2022 20:01:15.0 | yes |

99 Total Orbits Used

ABSTRACT

The outermost region in our Solar System retains the most pristine signatures of planetary system formation and evolution. This trans-Neptunian region and its inhabitants (trans-Neptunian objects, or TNOs) therefore offer some of the best records of the earliest stages of the formation of our Solar System. There are two very different theories for how the outermost Solar System formed and evolved, and the color distribution of very small TNOs is the diagnostic key to discriminating between these two models. We propose here 99 HST orbits to address this outstanding question in planetary system formation. We will use WFC3 and ACS in a coordinated parallel program to map most of the footprint of a JWST TNO discovery program. TNO colors will be derived by combining our HST photometry with photometry from that JWST program. We will measure the colors of at least 15 TNOs as small as 10 km and will provide a definitive test of current models of the evolution of the outer Solar System. The HST observations must be made simultaneously with the JWST observations to derive both TNO colors and parallaxes. This program can only be carried out with HST, and only by combining data from both HST and JWST. The result from this program will have broad implications across multiple fields of astronomy and showcase the unique joint capabilities of NASA's premier observatories. No other facility is capable of such sensitive measurements, and this program leverages a significant investment of allocated JWST time.

OBSERVING DESCRIPTION

This coordinated parallel program is connected to JWST program 1568. JWST will observe a large mosaic on the sky with NIRCам. This HST program will use WFC3 to observe ~one third of the JWST region and, at the same time, use ACS to observe a different ~one third of the JWST region. Both WFC3 and ACS will use 3x3 mosaic grids.

The HST observations must be made close in time to the JWST observations. This requires some amount of careful thought for the scheduling, rotation angles, etc. The JWST observing "season" last about 10 days, with three epochs on days 0, 5, and 10 (more or less). Our HST observations should begin no more than one day before and end no more than one day after the JWST observations.

Each tile in the 3x3 grid is allocated 11 orbits. These 11 orbits should not be interrupted. Small interruptions between tiles are acceptable, if necessary, bearing in mind the overall timing requirement above.

Two possible fields exist: R~0h and RA~12h. Only one of these will be observed. Probably, the decision about which field is observed will be driven by the JWST timeline, including launch, commissioning, etc.

Proposal 16720 - Tile mod7 (40) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

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| Visit | Proposal 16720, Tile mod7 (40), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; ORIENT 270D TO 270.5 D; BETWEEN 24-JAN-2023:00:00:00 AND 04-FEB-2023:00:00:00; GROUP 40,41,42,43,44,45,46,47,48 WITHIN 11D | | | | | | | | | | | | | | | |
|---|---|--|--|--------------------------|--------------------------|---------------|--|-----|--|--|--|-------|-----------------------|--|--|--|
| | (Tile mod7 (40)) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (40)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Patterns | <table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td></td> <td>(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22)</td> </tr> </tbody> </table> | # | Primary Pattern | Secondary Pattern | Exposures | (1) | Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| 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>ECLIPTIC-RA12H</td> <td> RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 </td> <td></td> <td>V=0.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | |
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| Comments: Category=SOLAR SYSTEM Description=[OTHER] | | | | | | | | | | | | | | | | |

Proposal 16720 - Tile mod7 (40) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

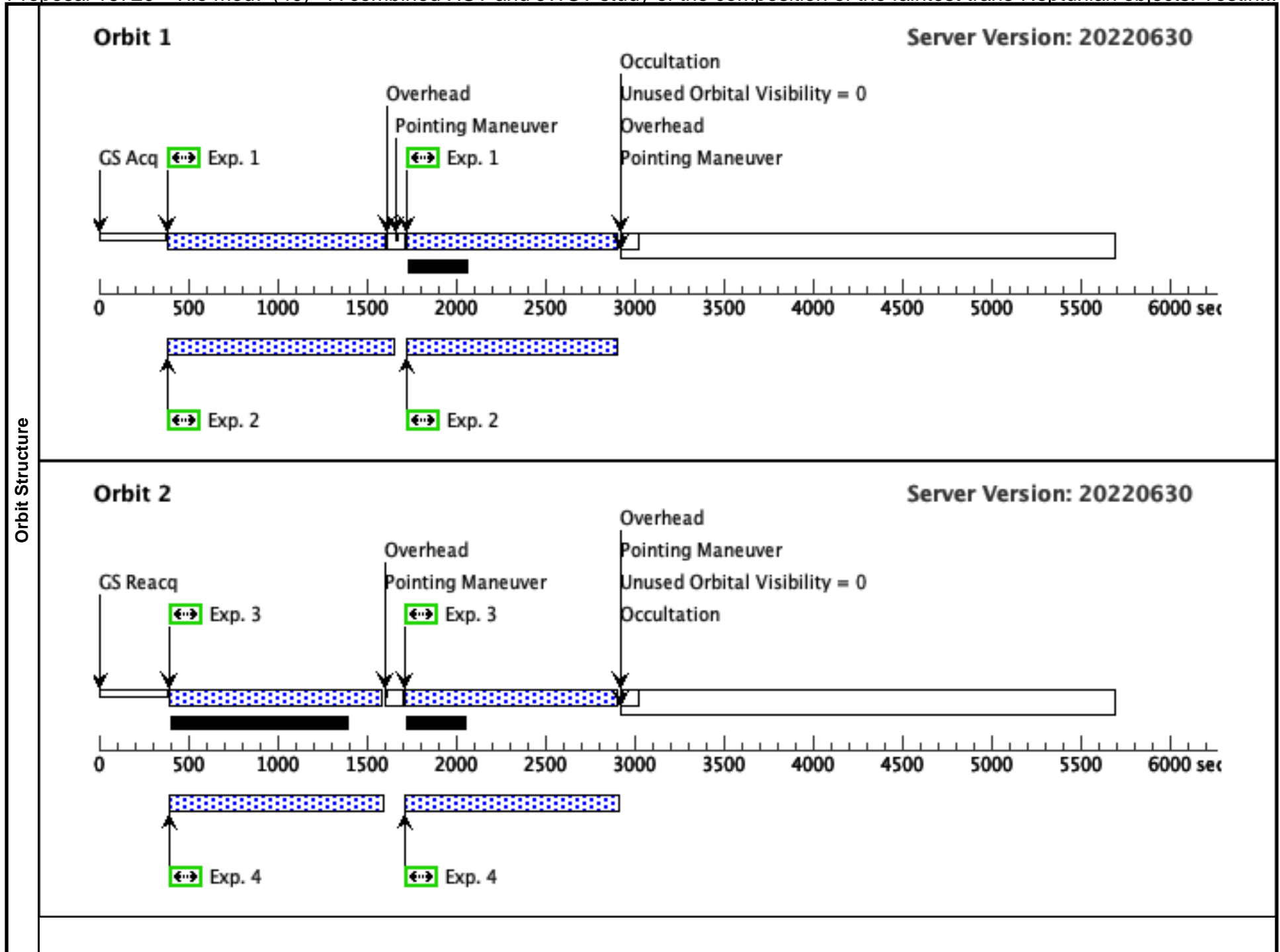
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|--|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 1-2 in Tile mod7 (40) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile mod7 (40) | 1186 Secs (2372 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile mod7 (40) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile mod7 (40) | 1060 Secs (2120 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 3-4 in Tile mod7 (40) (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile mod7 (40) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile mod7 (40) (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile mod7 (40) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 5-6 in Tile mod7 (40) (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile mod7 (40) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile mod7 (40) (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile mod7 (40) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 7-8 in Tile mod7 (40) (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile mod7 (40) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile mod7 (40) (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile mod7 (40) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 9-10 in Tile mod7 (40) (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile mo d7 (40) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [5] |

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|----|------------------------|------------------------|--------|--|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile mod7 (40) (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile mo d7 (40) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 11-1 2 in Tile mod7 (40) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (40) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile mod7 (40) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (40) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 13-1 4 in Tile mod7 (40) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (40) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile mod7 (40) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (40) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 15-1 6 in Tile mod7 (40) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (40) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile mod7 (40) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (40) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 17-1 8 in Tile mod7 (40) (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile mod7 (40) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

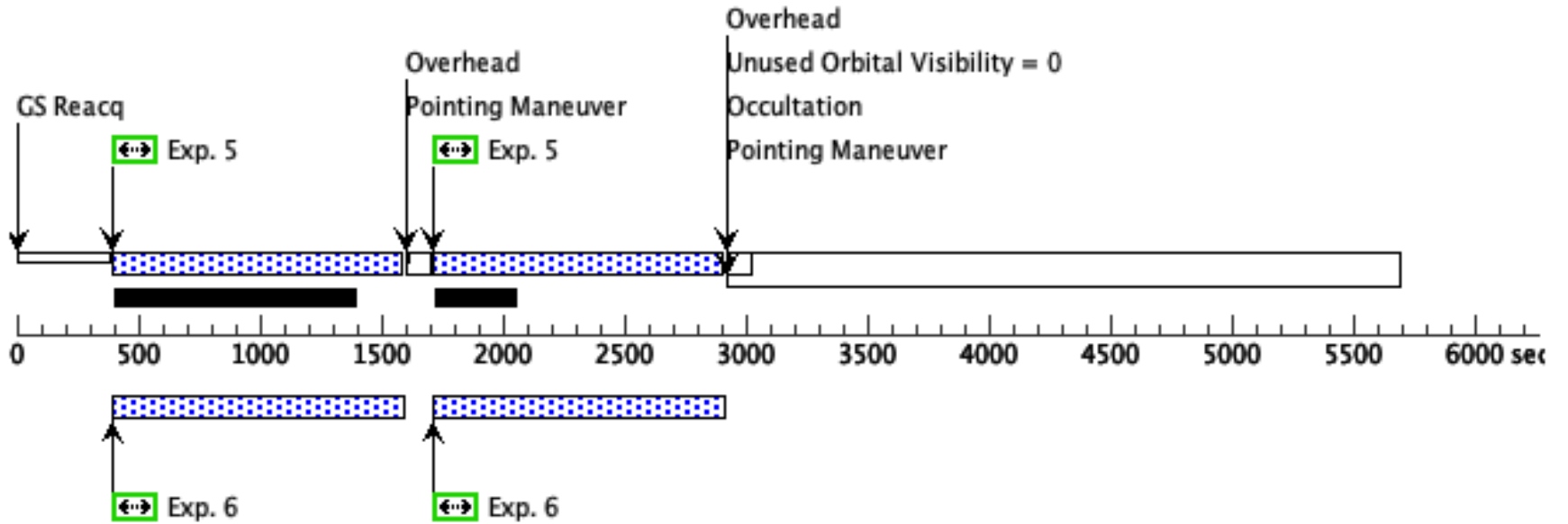
Proposal 16720 - Tile mod7 (40) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|--|--|---|------|
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-18 in Tile mod7 (40) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Tile mod7 (40) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 19 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 19-20 in Tile mod7 (40) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (40) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 20 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 19-20 in Tile mod7 (40) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (40) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 21 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -148.35 887217312492,-349. 51160000000004 | Pattern 1, Exps 21-22 in Tile mod7 (40) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (40) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |
| 22 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 21-22 in Tile mod7 (40) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (40) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |



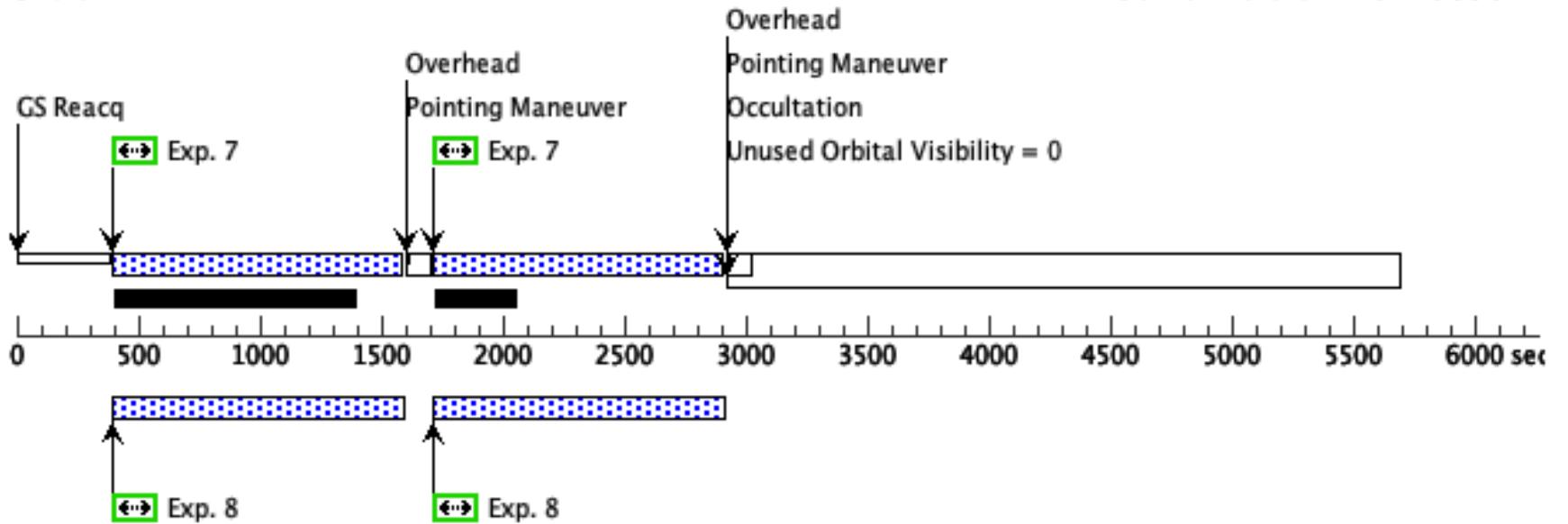
Orbit 3

Server Version: 20220630



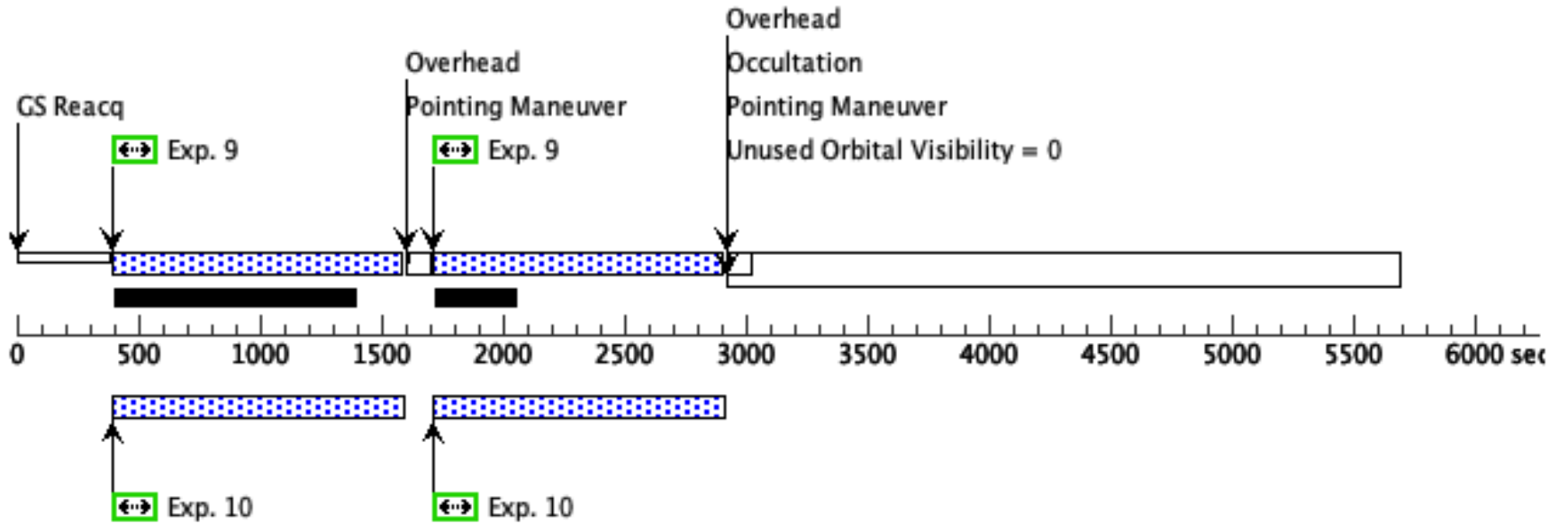
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Server Version: 20220630



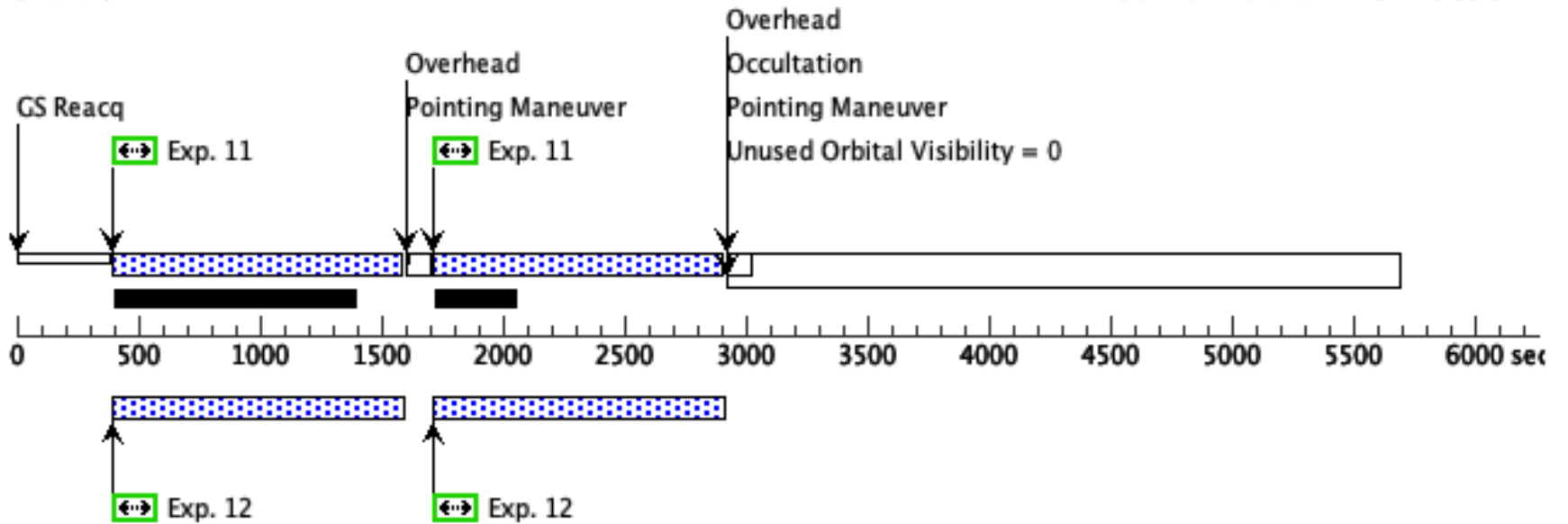
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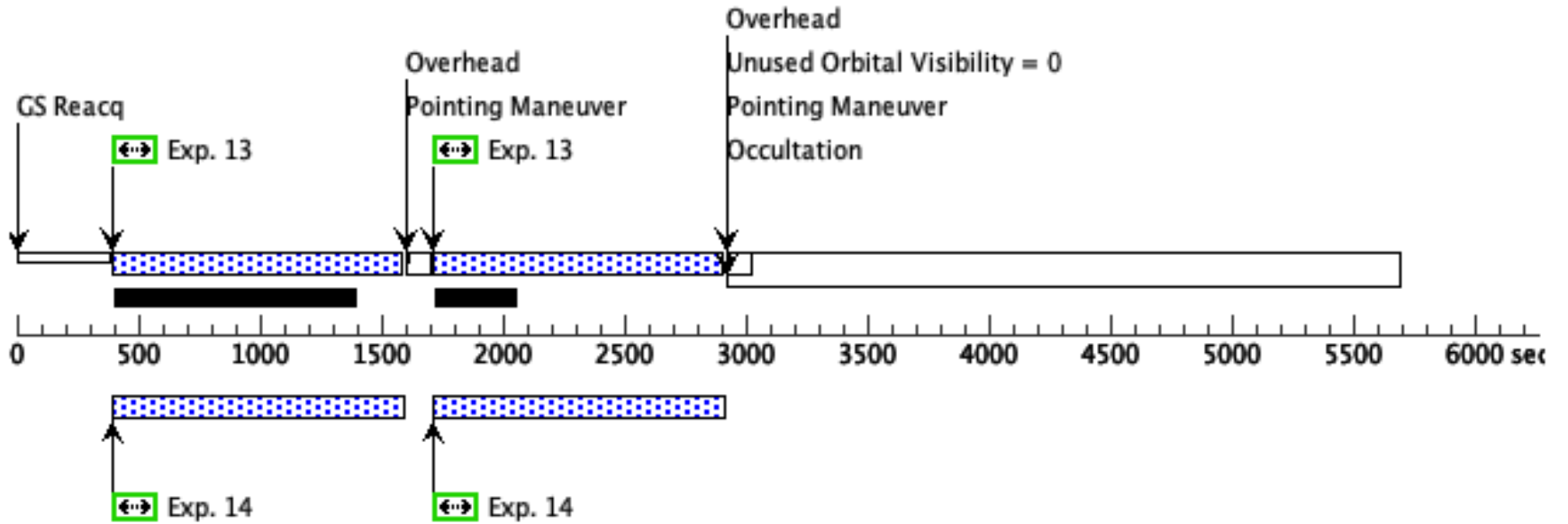
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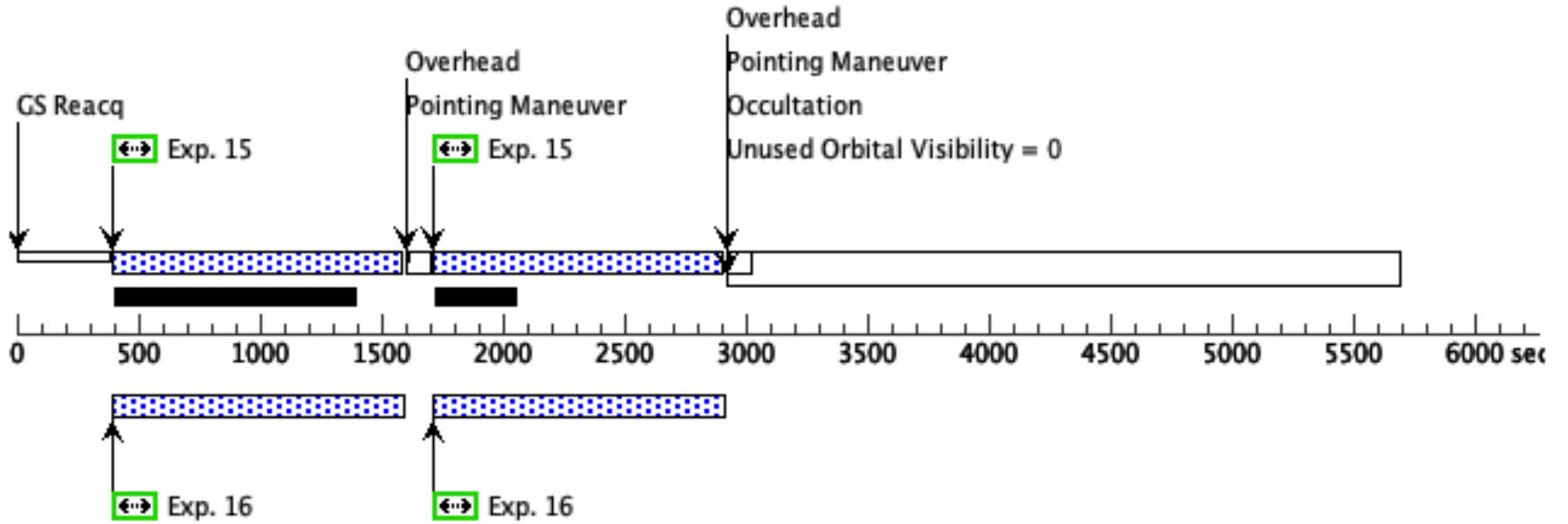
Orbit 7

Server Version: 20220630



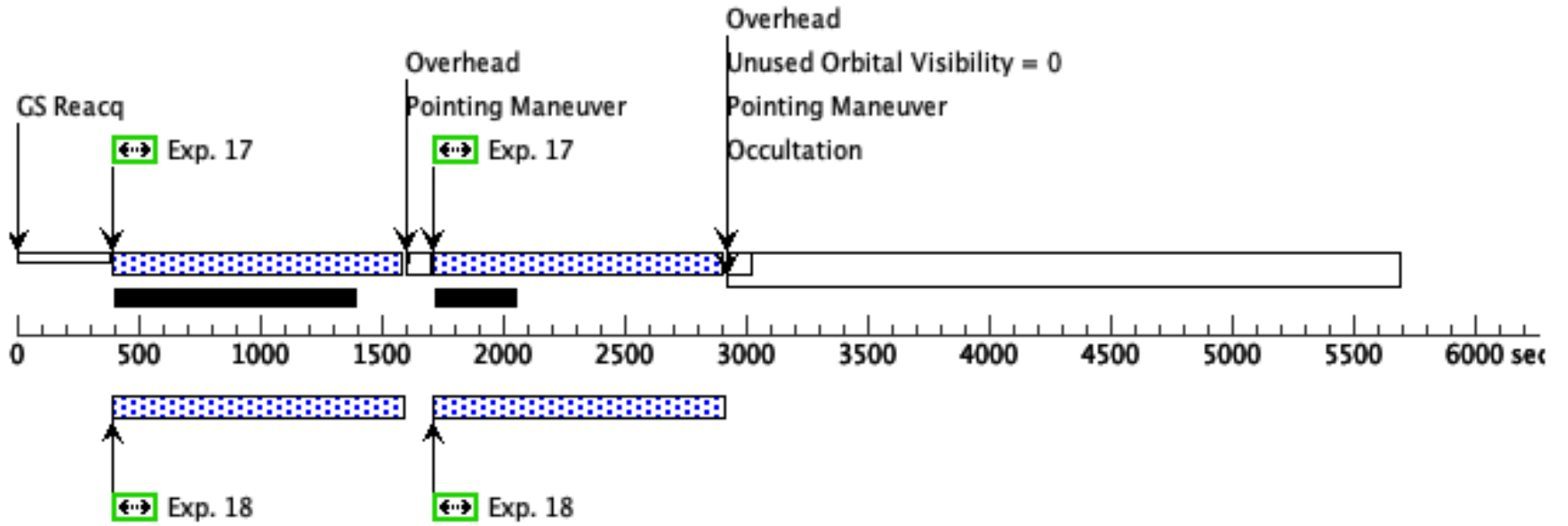
Orbit 8

Server Version: 20220630



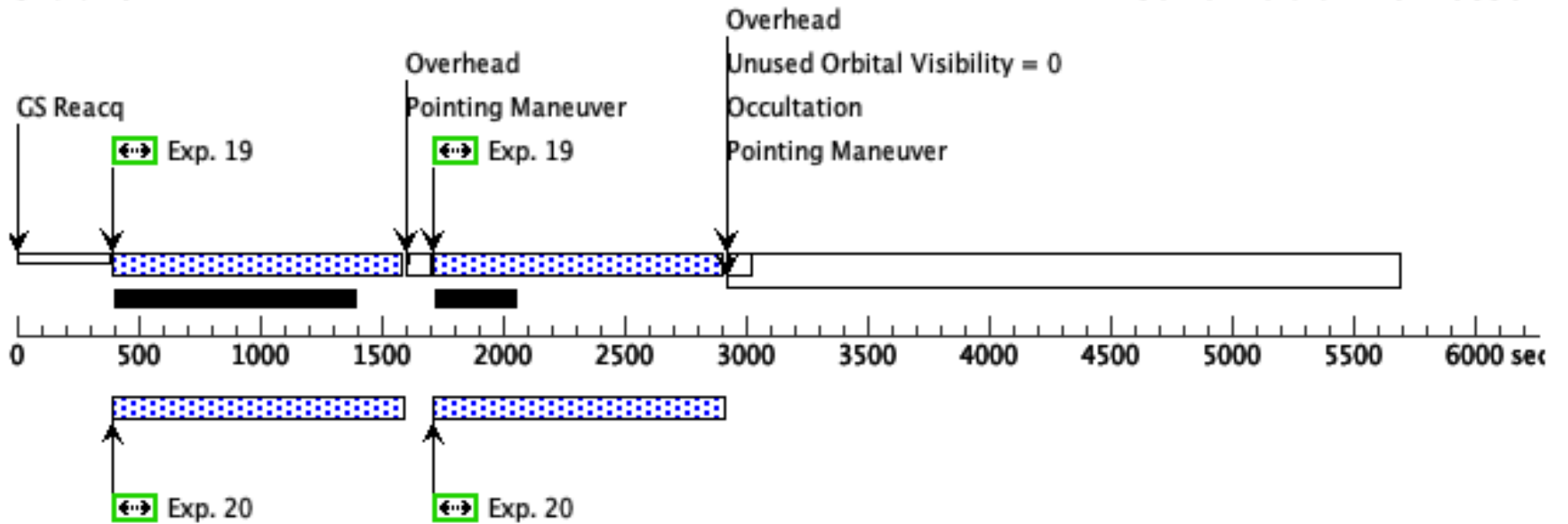
Orbit 9

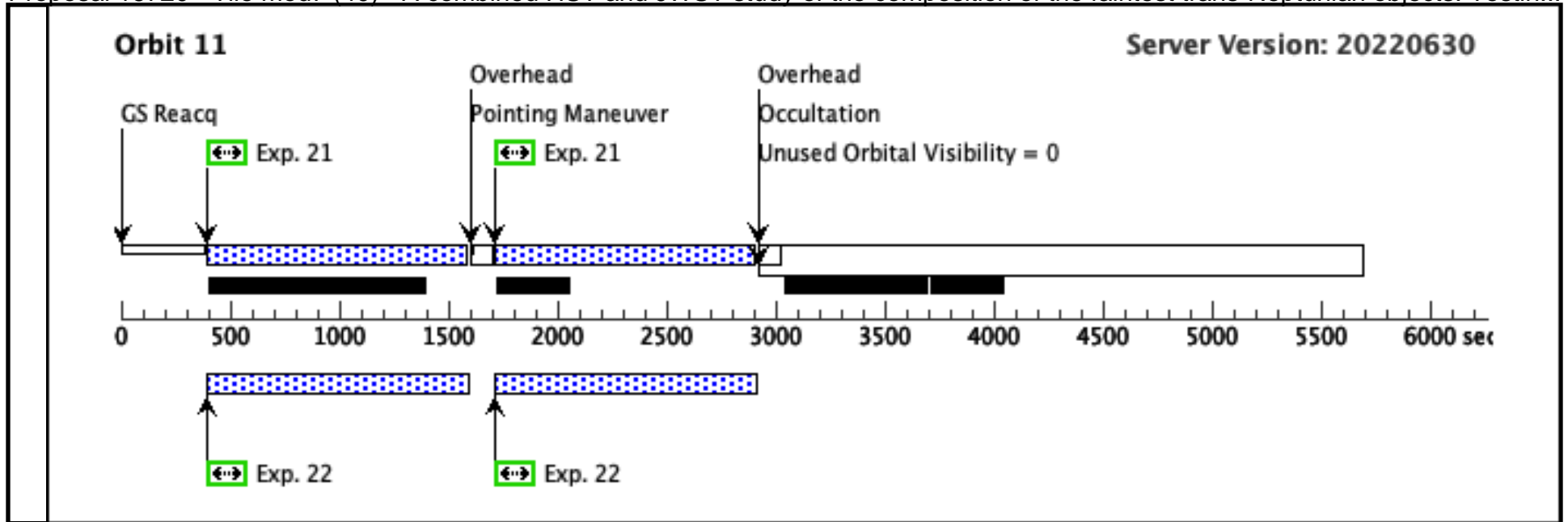
Server Version: 20220630



Orbit 10

Server Version: 20220630





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| Diagnosics | | | | | | | | | | | | | | | | |
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| (1) | Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 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>ECLIPTIC-RA12H</td> <td> RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 </td> <td></td> <td>V=0.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | |
| (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | | | | | | | | | |
| Comments: Category=SOLAR SYSTEM Description=[OTHER] | | | | | | | | | | | | | | | | |

Proposal 16720 - Tile mod7 (41) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

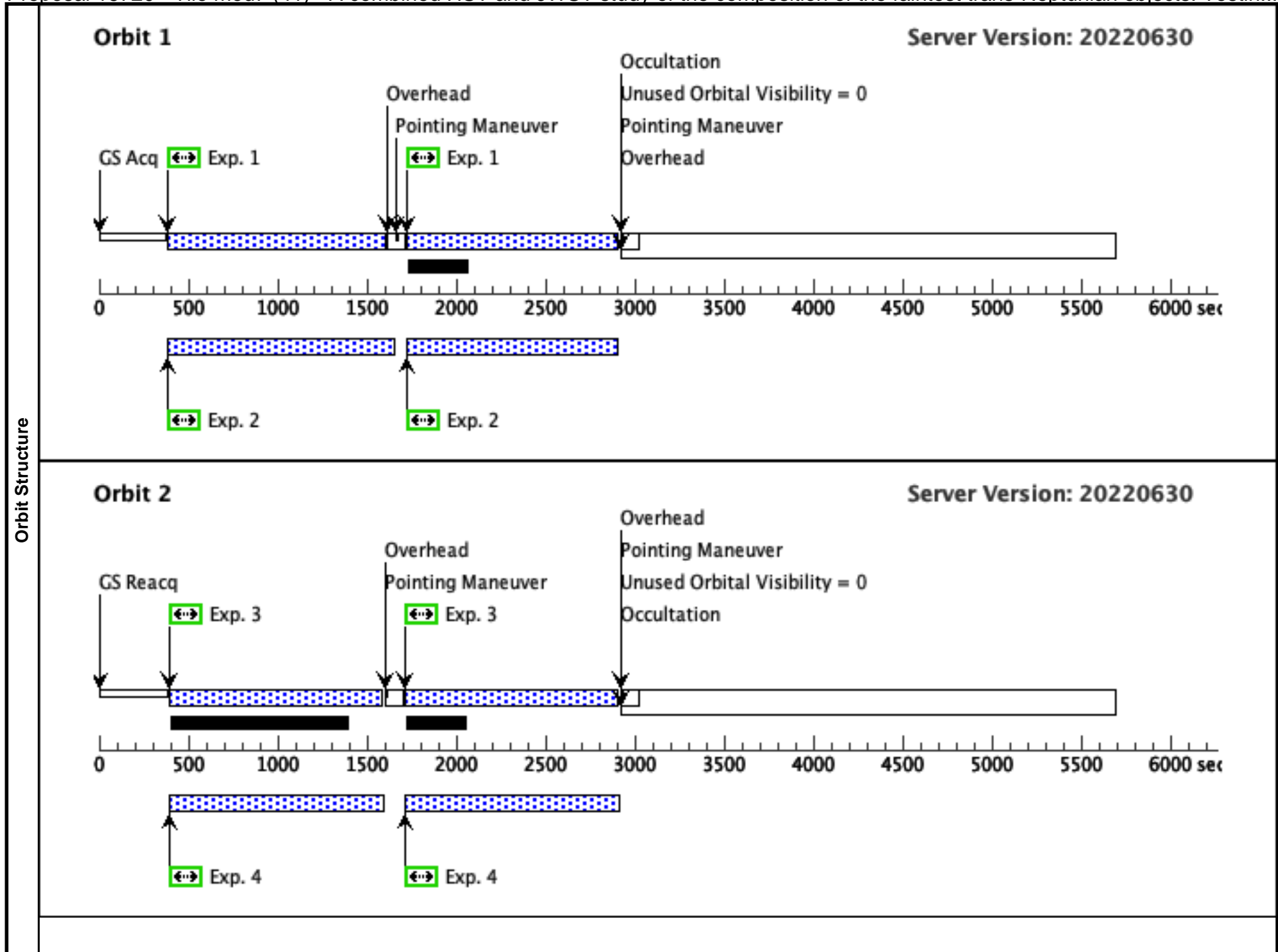
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|---|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 1-2 in Tile mod7 (41) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Tile mod7 (41) | 1186 Secs (2372 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile mod7 (41) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Tile mod7 (41) | 1060 Secs (2120 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 3-4 in Tile mod7 (41) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Tile mod7 (41) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile mod7 (41) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Tile mod7 (41) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 5-6 in Tile mod7 (41) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Tile mod7 (41) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile mod7 (41) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Tile mod7 (41) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 7-8 in Tile mod7 (41) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Tile mod7 (41) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile mod7 (41) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Tile mod7 (41) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 9-10 in Tile mod7 (41) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Tile mod7 (41) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [5] |

Proposal 16720 - Tile mod7 (41) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|---|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile mod7 (41) (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile mo d7 (41) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 11-1 2 in Tile mod7 (41) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (41) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile mod7 (41) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (41) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 13-1 4 in Tile mod7 (41) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (41) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile mod7 (41) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (41) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 15-1 6 in Tile mod7 (41) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (41) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile mod7 (41) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (41) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 17-1 8 in Tile mod7 (41) (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile mod7 (41) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

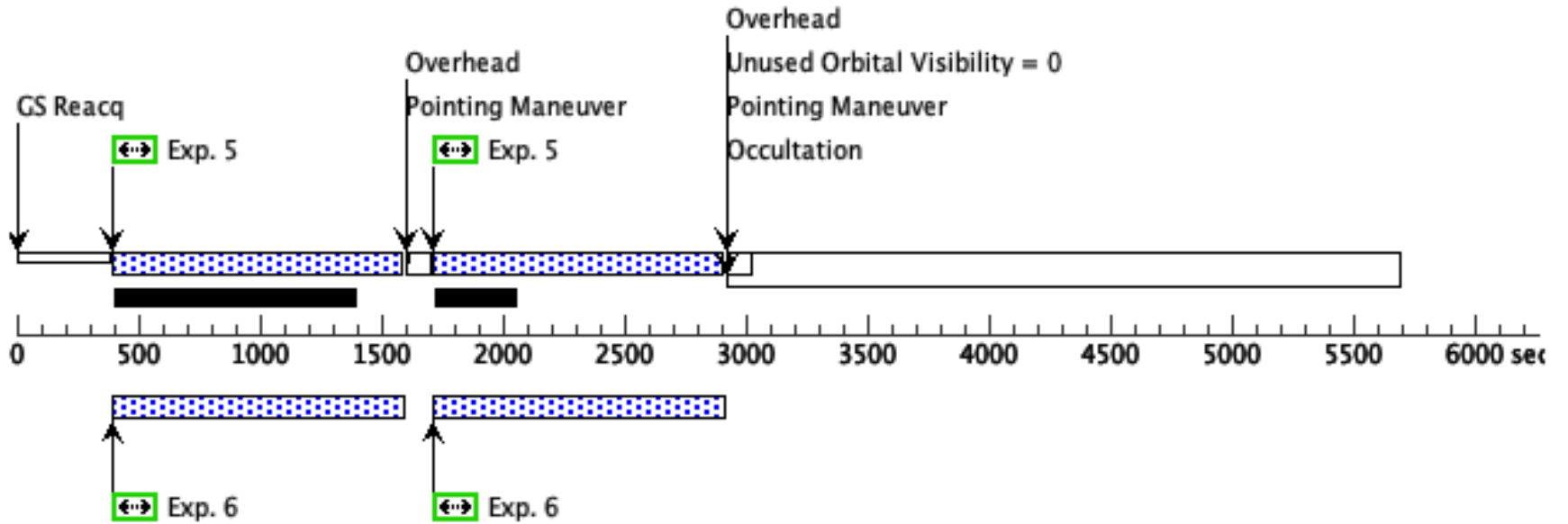
Proposal 16720 - Tile mod7 (41) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|---|--|---|------|
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-18 in Tile mod7 (41) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Tile mod7 (41) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 19 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 19-20 in Tile mod7 (41) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (41) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 20 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 19-20 in Tile mod7 (41) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (41) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 21 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -74.179 43608656246,-174.7 5580000000002 | Pattern 1, Exps 21-22 in Tile mod7 (41) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (41) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |
| 22 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 21-22 in Tile mod7 (41) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (41) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |



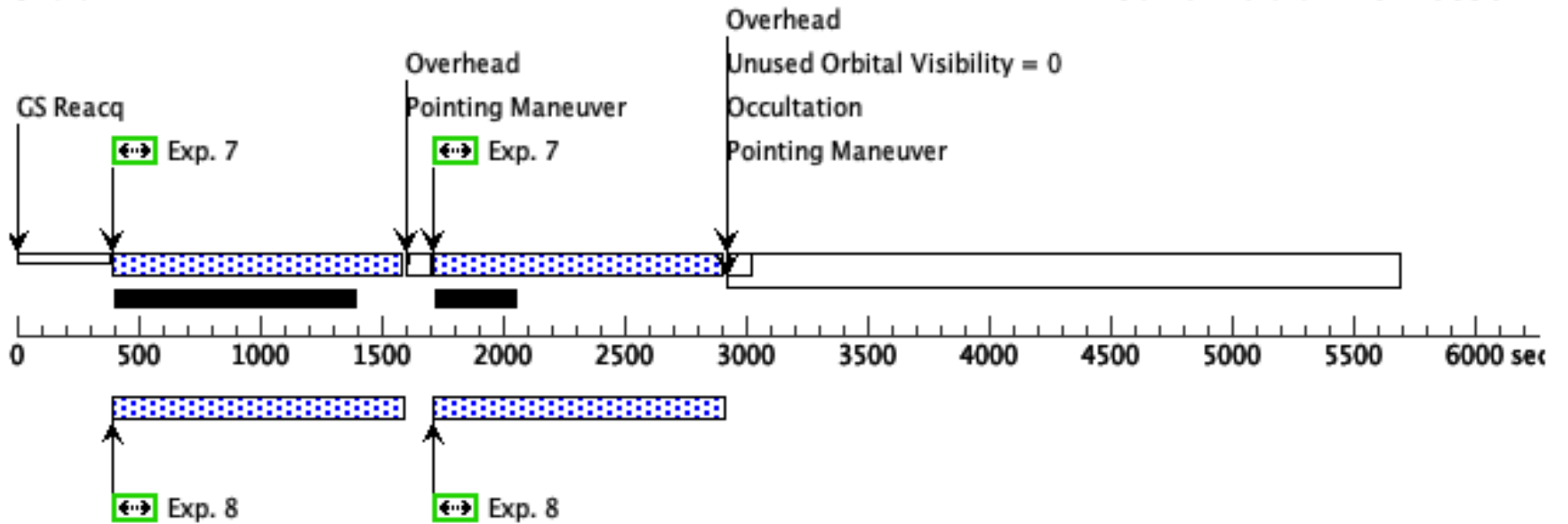
Orbit 3

Server Version: 20220630



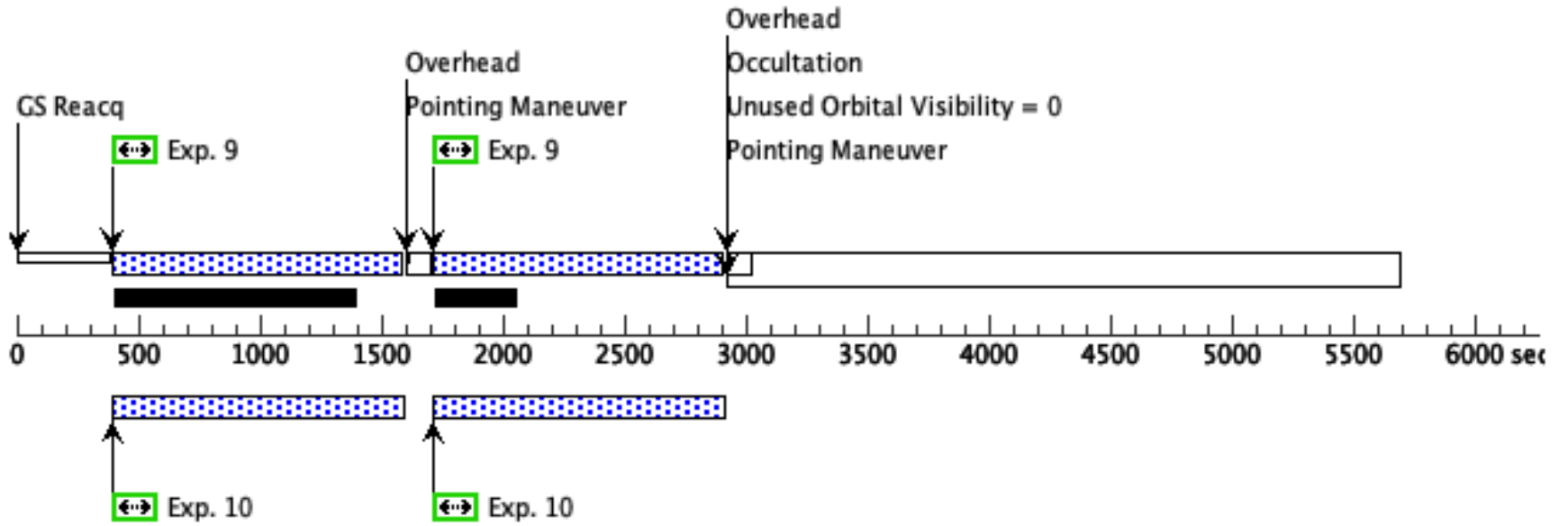
Orbit 4

Server Version: 20220630



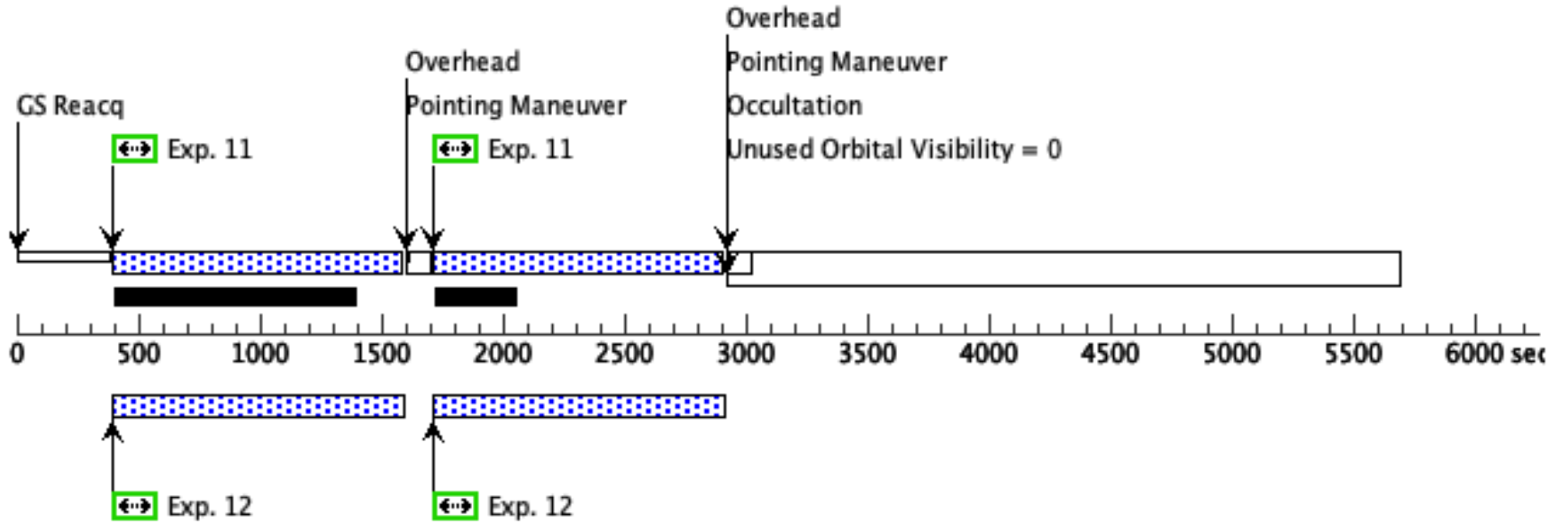
Orbit 5

Server Version: 20220630



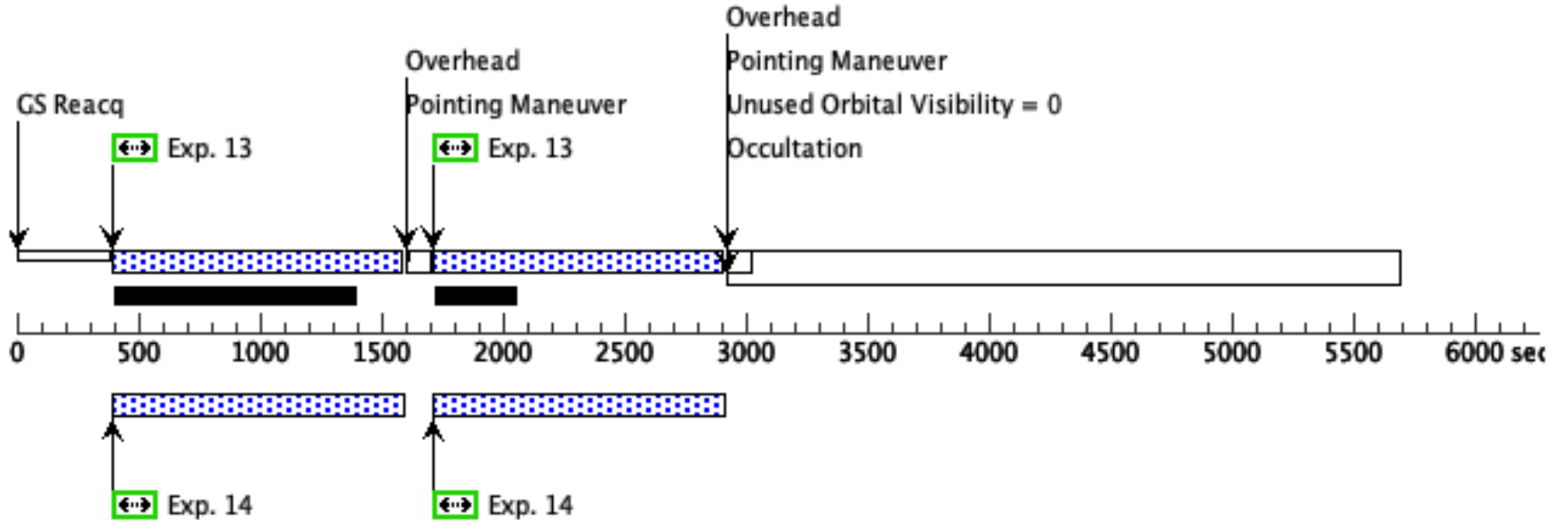
Orbit 6

Server Version: 20220630



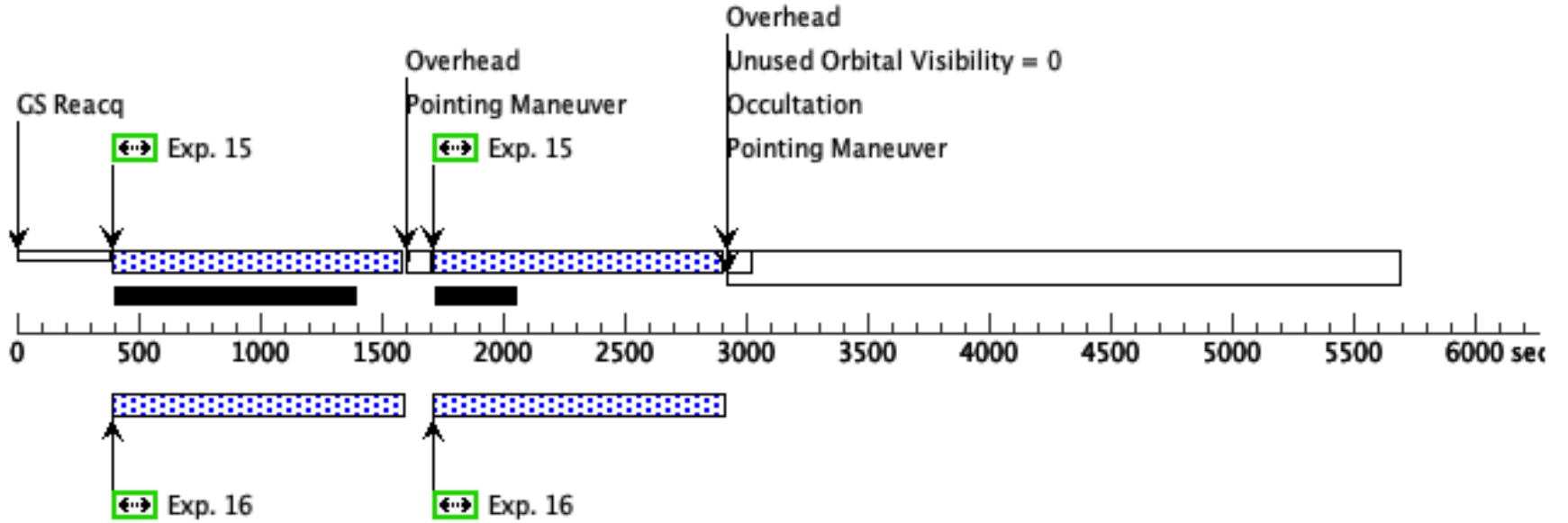
Orbit 7

Server Version: 20220630



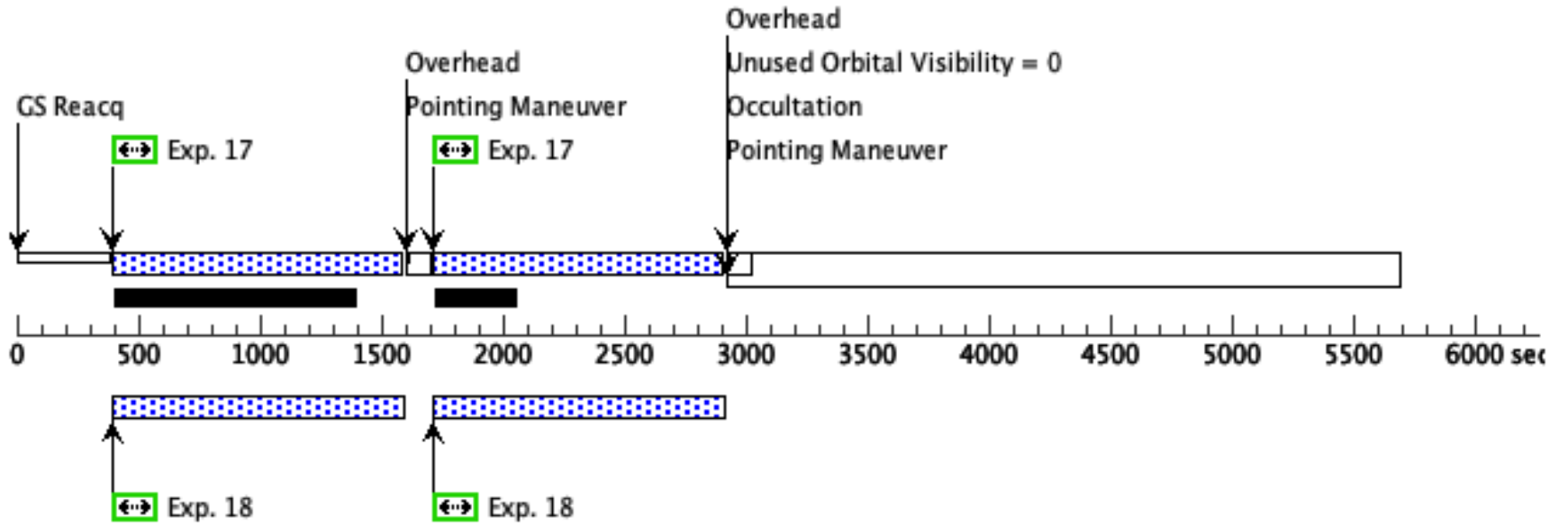
Orbit 8

Server Version: 20220630



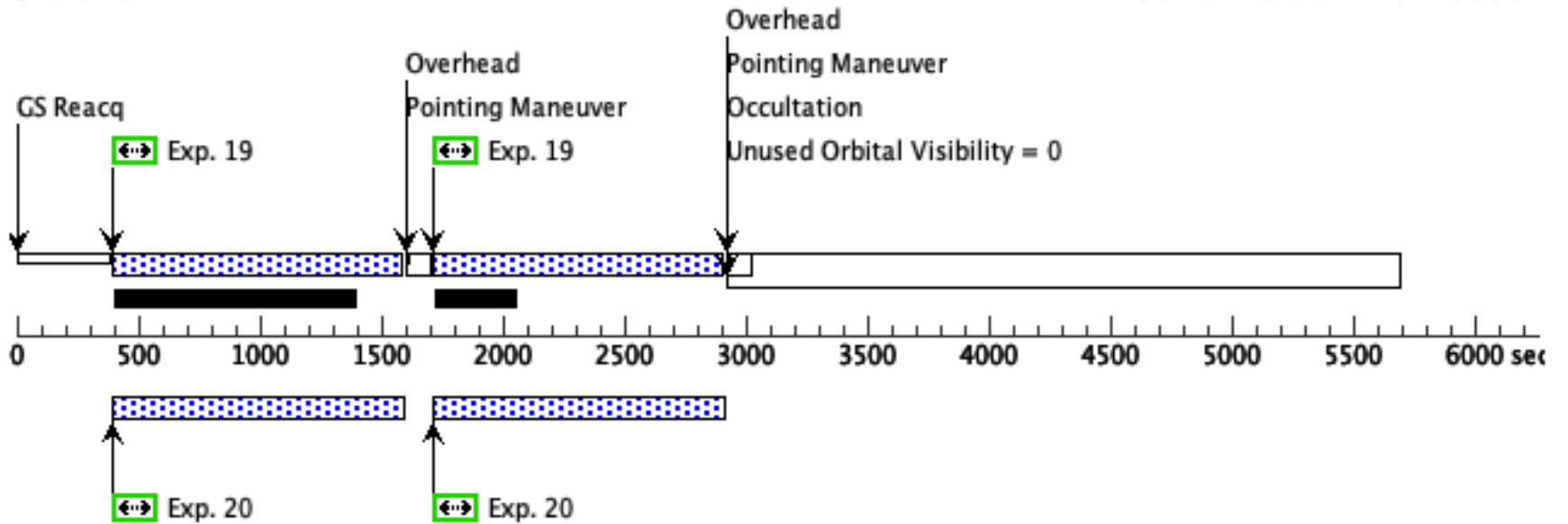
Orbit 9

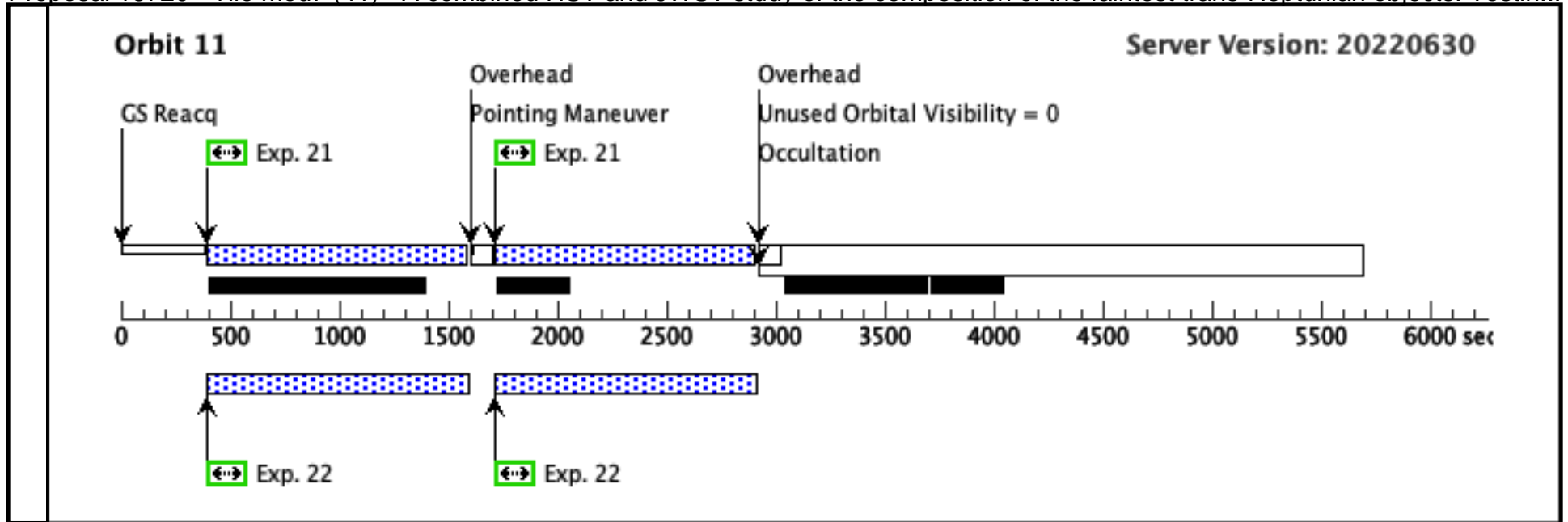
Server Version: 20220630



Orbit 10

Server Version: 20220630





Proposal 16720 - Tile mod7 (42) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | |
|--|---|--|--|--|---------------|-----------------------|
| Visit | Proposal 16720, Tile mod7 (42), implementation Wed Dec 21 01:01:18 GMT 2022 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 40 | | | | | |
| | Diagnosics (Tile mod7 (42)) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA | | | | | |
| Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
| | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS |
| <i>Comments:</i> Category= <i>SOLAR SYSTEM</i> Description= <i>[OTHER]</i> | | | | | | |

Proposal 16720 - Tile mod7 (42) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

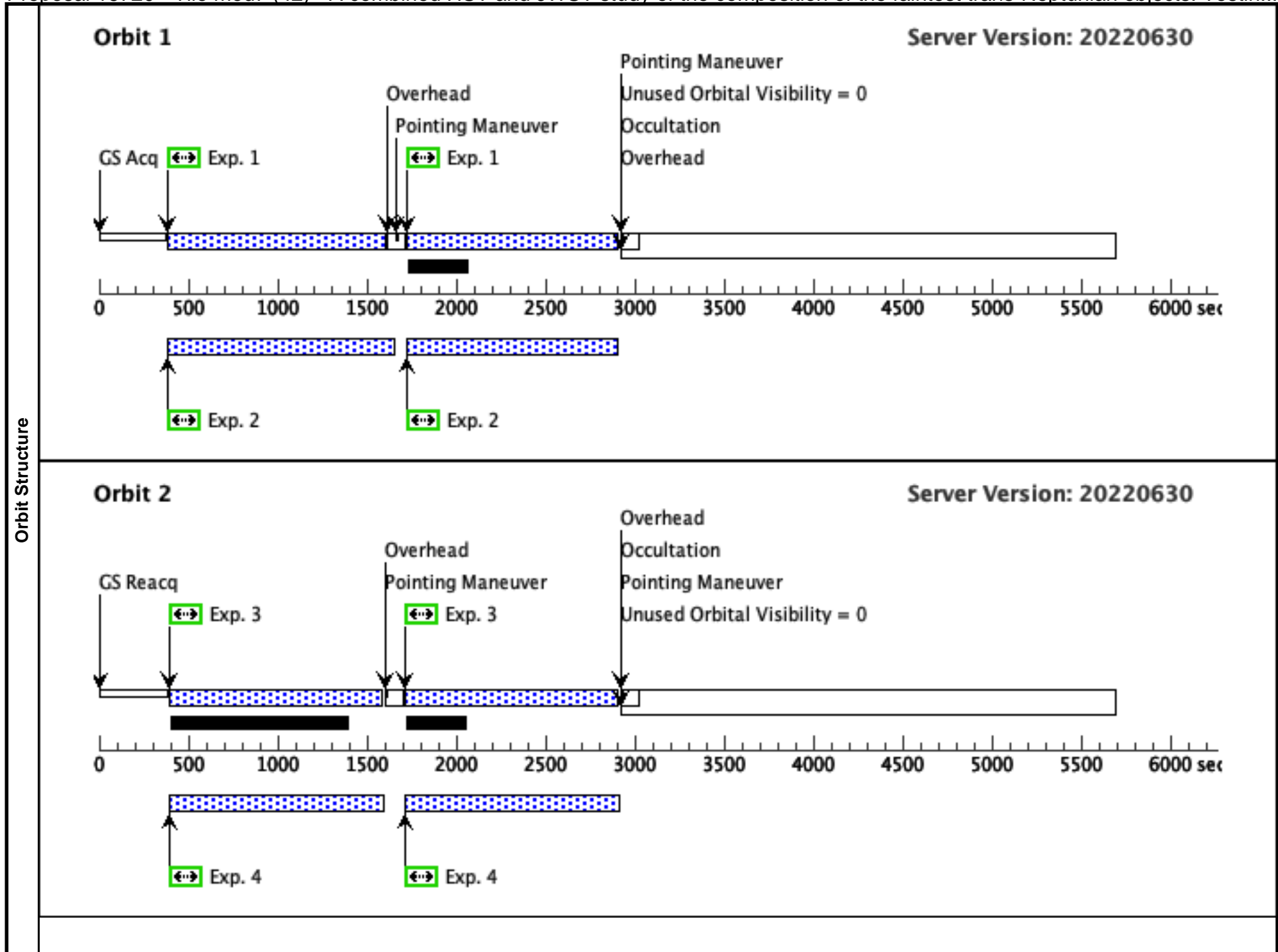
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|--|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 0.0,0.0; GS ACQ SCENARI O BASE1B3 | Pattern 1, Exps 1-2 in Tile mod7 (42) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile mod7 (42) | 1186 Secs (2372 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile mod7 (42) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile mod7 (42) | 1060 Secs (2120 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 0.0,0.0 | Pattern 1, Exps 3-4 in Tile mod7 (42) (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile mod7 (42) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile mod7 (42) (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile mod7 (42) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 0.0,0.0 | Pattern 1, Exps 5-6 in Tile mod7 (42) (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile mod7 (42) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile mod7 (42) (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile mod7 (42) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 0.0,0.0 | Pattern 1, Exps 7-8 in Tile mod7 (42) (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile mod7 (42) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile mod7 (42) (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile mod7 (42) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 0.0,0.0 | Pattern 1, Exps 9-10 in Tile mod7 (42) (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile mo d7 (42) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [5] |

Proposal 16720 - Tile mod7 (42) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|------------------|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile mod7 (42) (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile mo d7 (42) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 0.0,0.0 | Pattern 1, Exps 11-1 2 in Tile mod7 (42) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (42) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile mod7 (42) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (42) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 0.0,0.0 | Pattern 1, Exps 13-1 4 in Tile mod7 (42) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (42) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile mod7 (42) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (42) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 0.0,0.0 | Pattern 1, Exps 15-1 6 in Tile mod7 (42) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (42) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile mod7 (42) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (42) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 0.0,0.0 | Pattern 1, Exps 17-1 8 in Tile mod7 (42) (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile mod7 (42) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

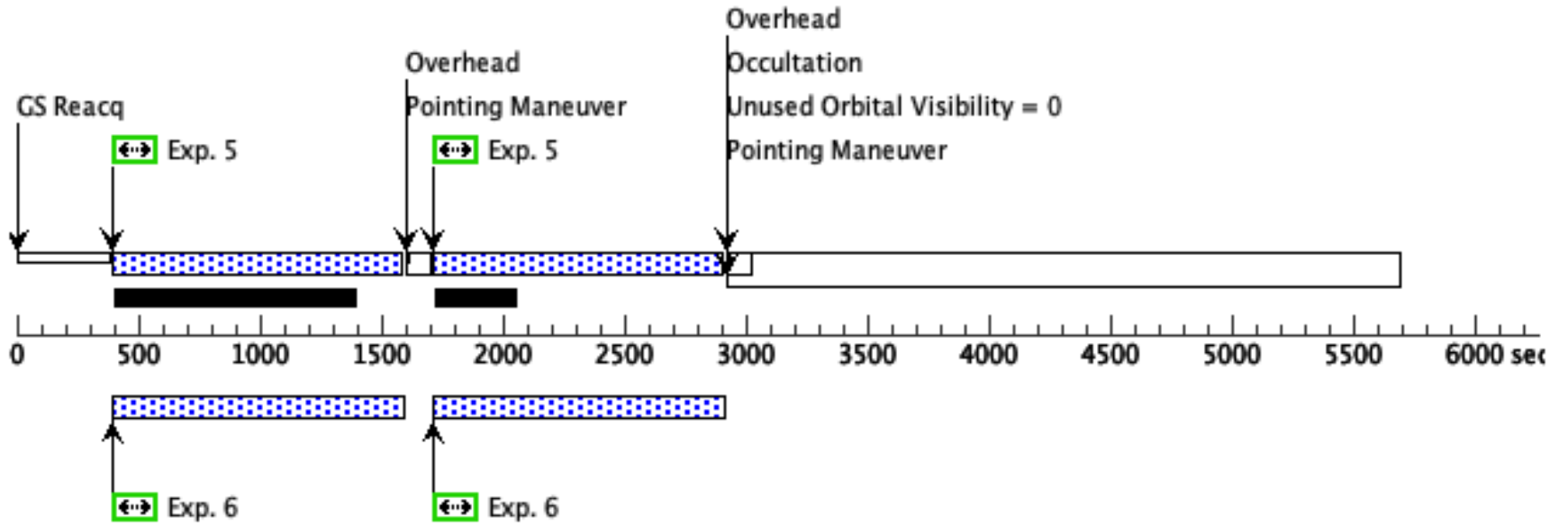
Proposal 16720 - Tile mod7 (42) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|------------------|--|---|------|
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-18 in Tile mod7 (42) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Tile mod7 (42) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 19 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 0.0,0.0 | Pattern 1, Exps 19-20 in Tile mod7 (42) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (42) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 20 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 19-20 in Tile mod7 (42) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (42) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 21 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 0.0,0.0 | Pattern 1, Exps 21-22 in Tile mod7 (42) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (42) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |
| 22 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 21-22 in Tile mod7 (42) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (42) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |



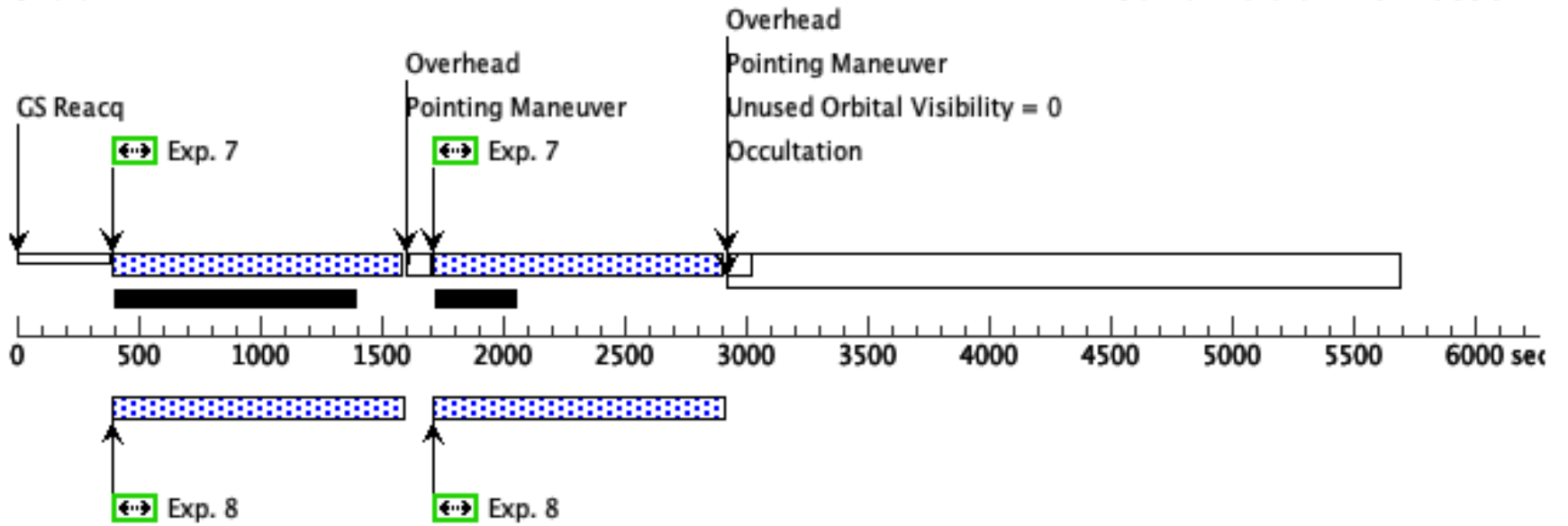
Orbit 3

Server Version: 20220630



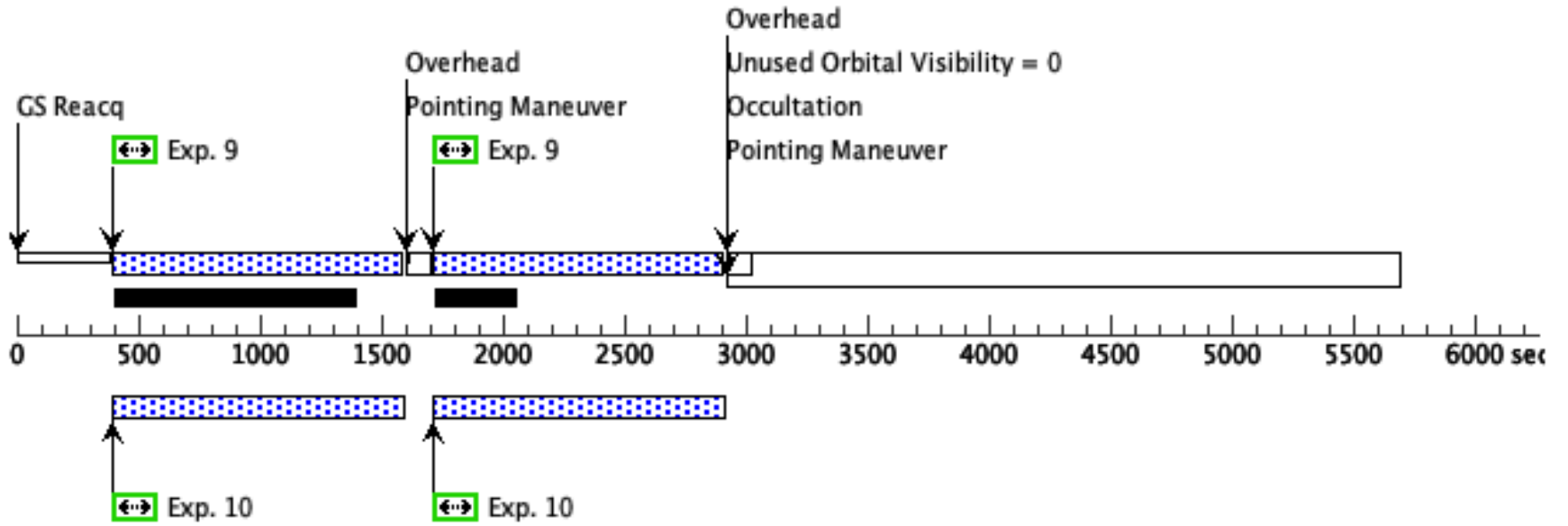
Orbit 4

Server Version: 20220630



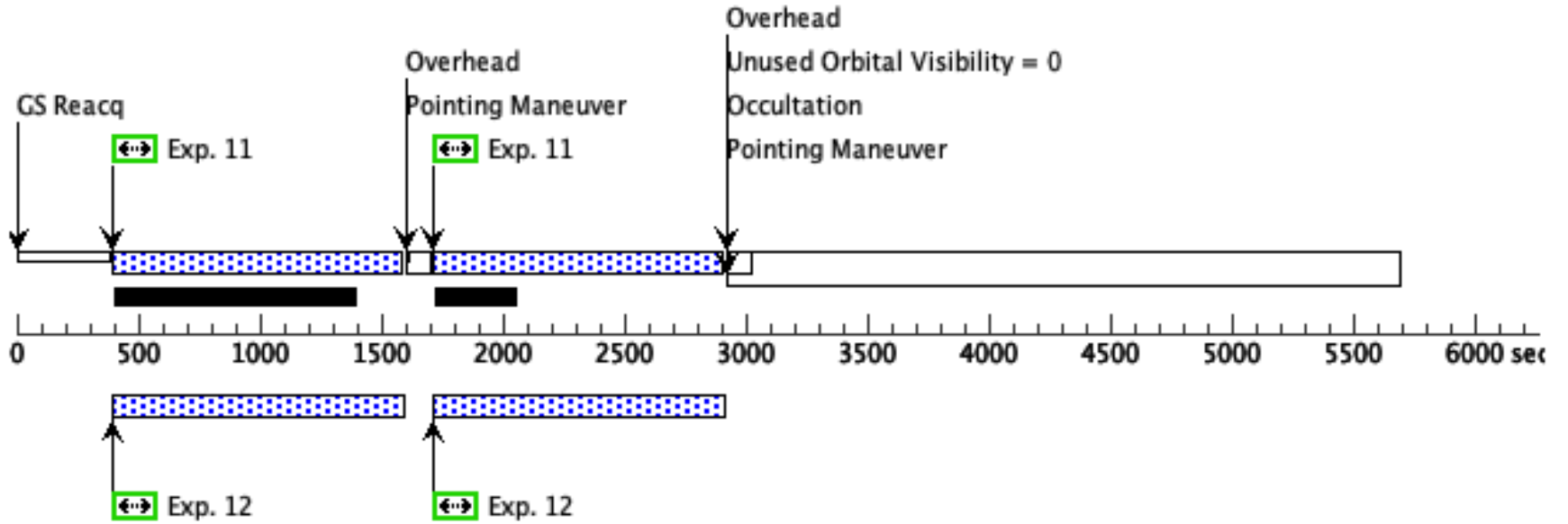
Orbit 5

Server Version: 20220630



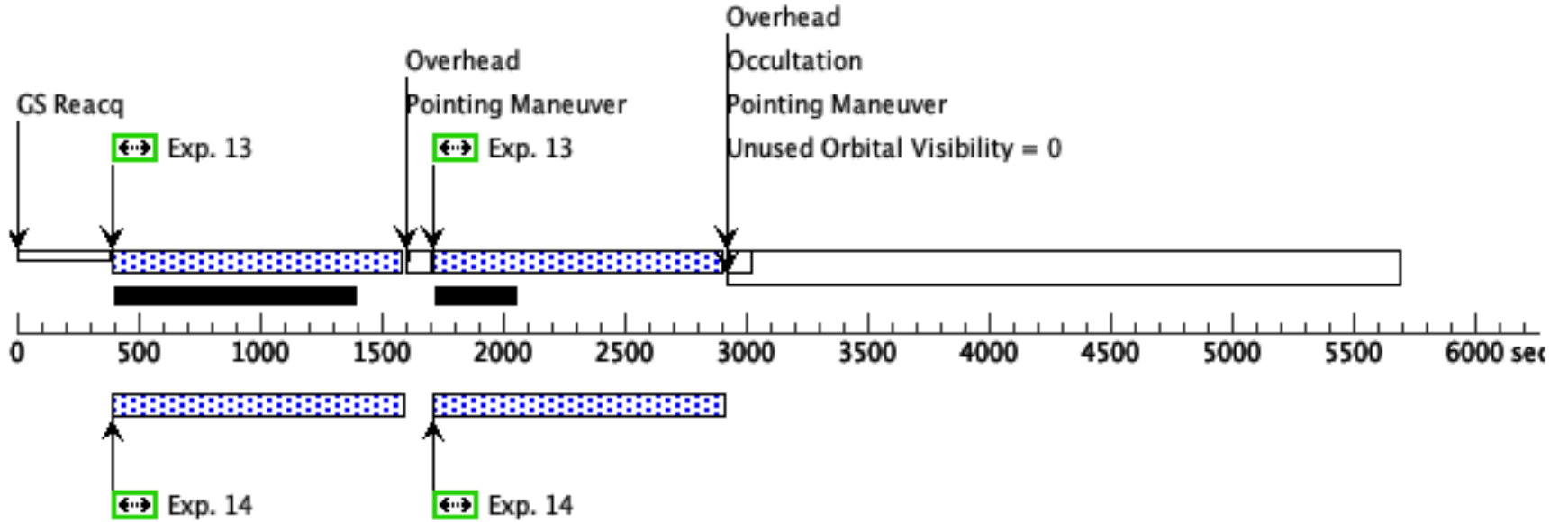
Orbit 6

Server Version: 20220630



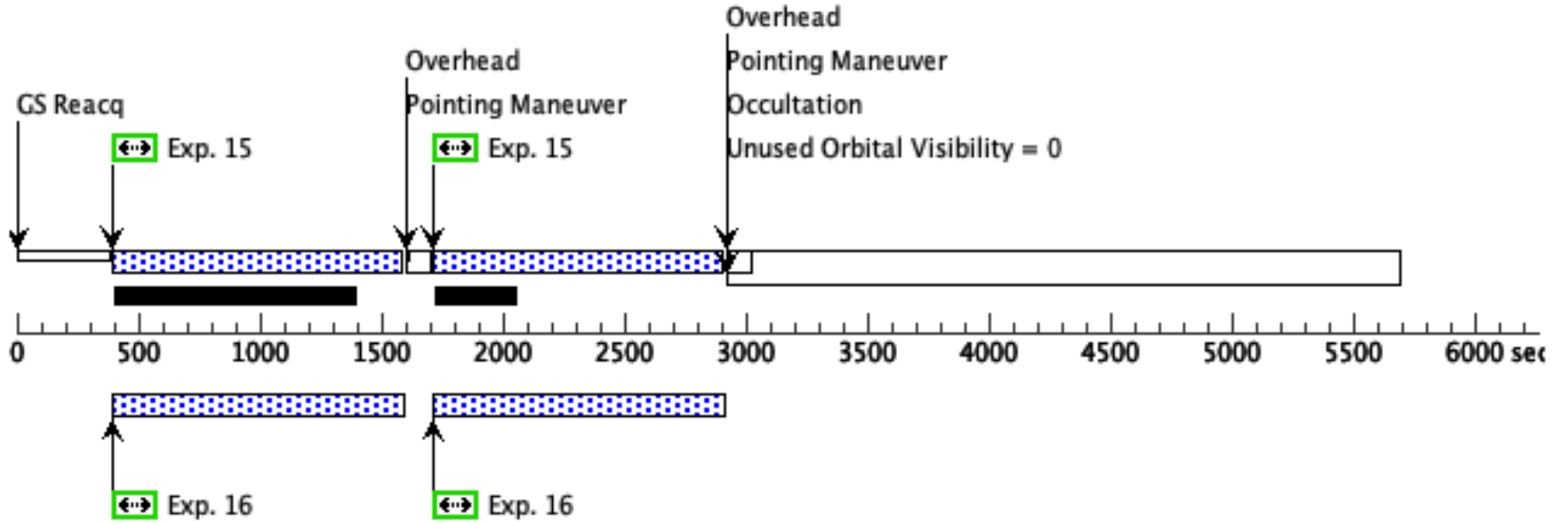
Orbit 7

Server Version: 20220630



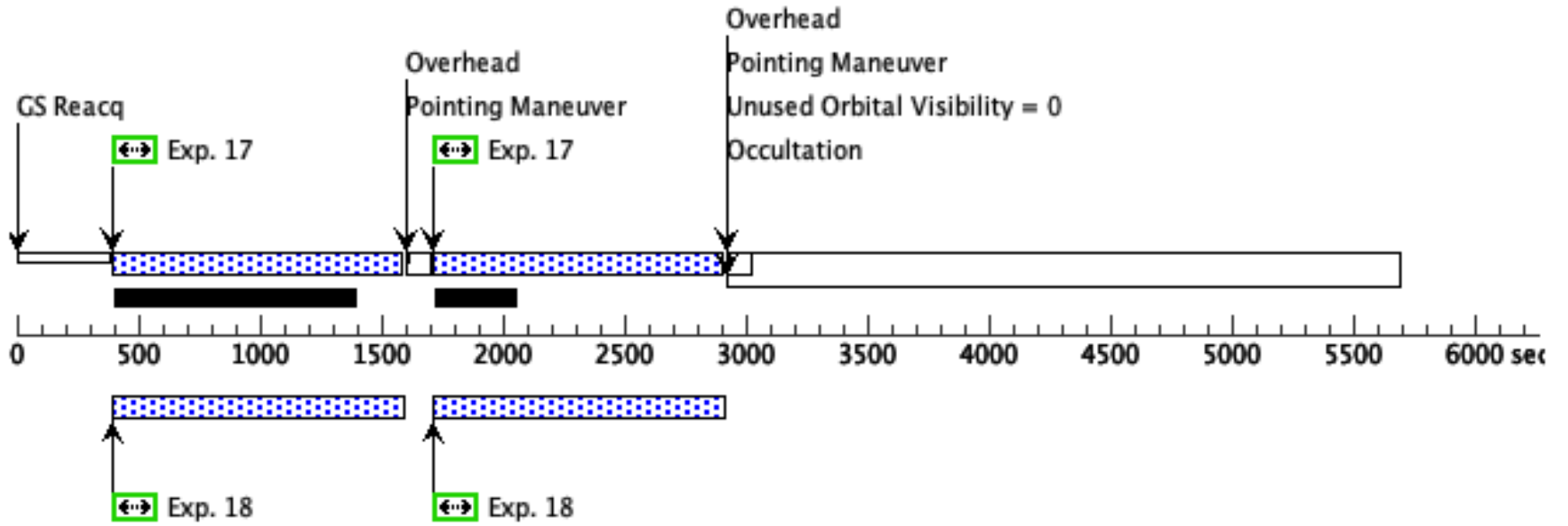
Orbit 8

Server Version: 20220630



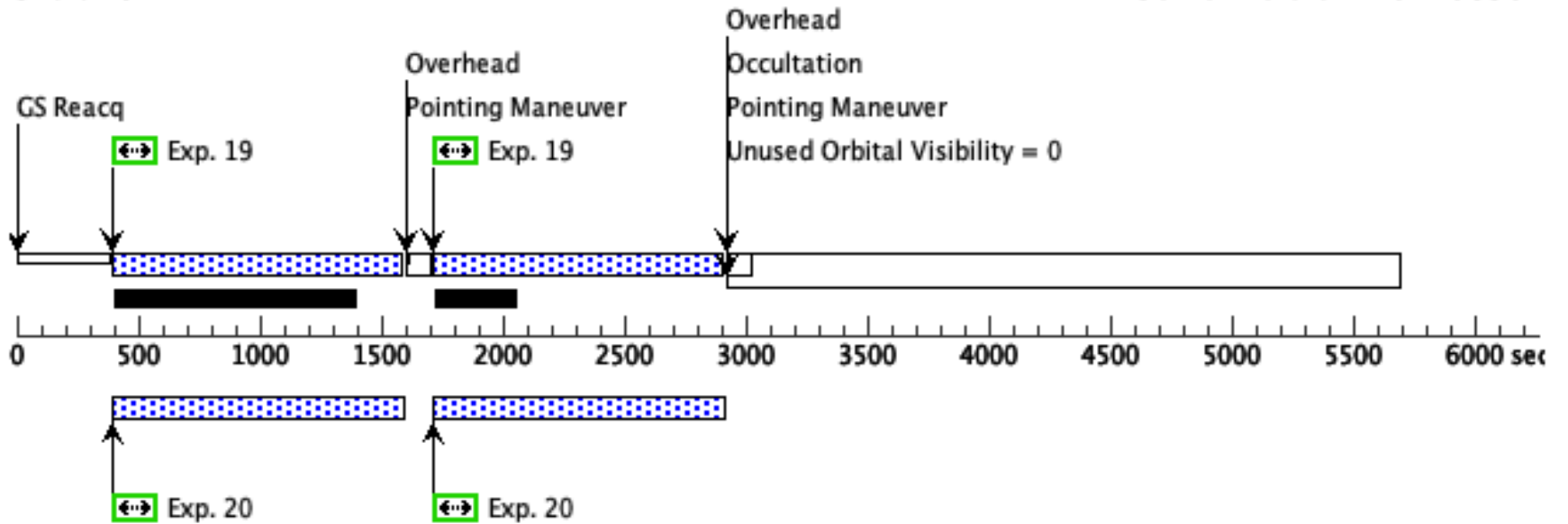
Orbit 9

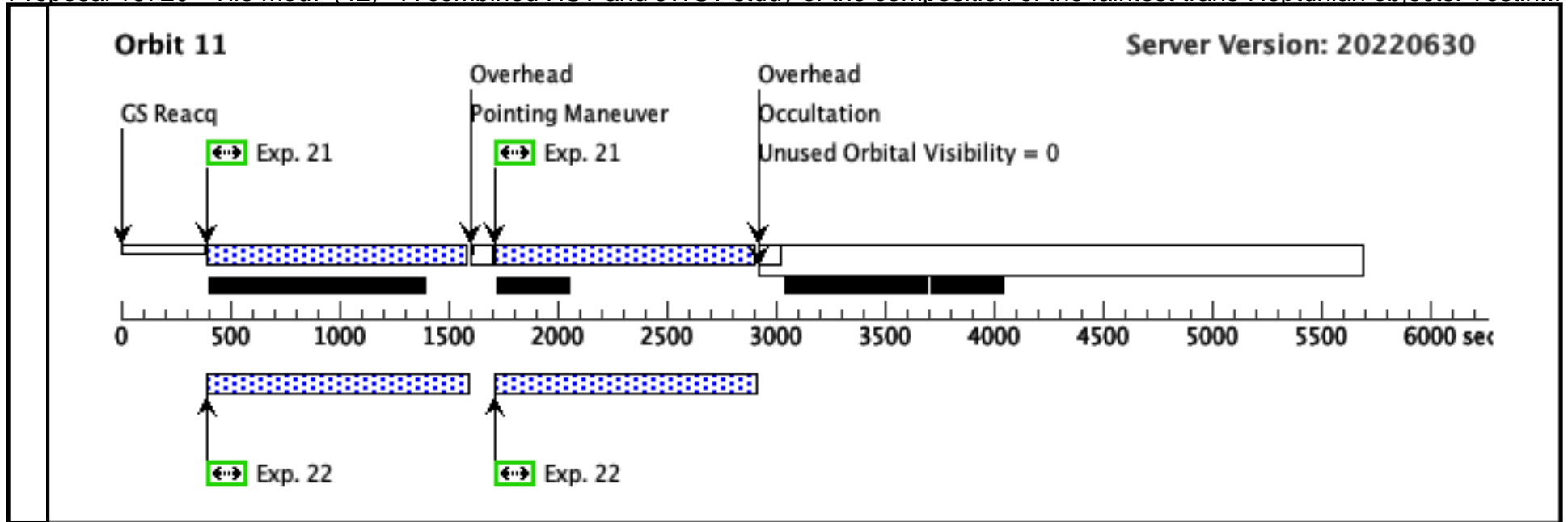
Server Version: 20220630



Orbit 10

Server Version: 20220630





Proposal 16720 - Tile mod7 (43) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

Wed Dec 21 01:01:18 GMT 2022

| Visit | Proposal 16720, Tile mod7 (43), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 40 | | | | | | | | | | | | | | | |
|---|---|--|--|--------------------------|--------------------------|---------------|--|-----|--|--|--|-------|-----------------------|--|--|--|
| | (Tile mod7 (43)) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile mod7 (43)) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Patterns | <table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td></td> <td>(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22)</td> </tr> </tbody> </table> | # | Primary Pattern | Secondary Pattern | Exposures | (1) | Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | |
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | | | | | | | |
| (1) | Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 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>ECLIPTIC-RA12H</td> <td> RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 </td> <td></td> <td>V=0.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | |
| (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | | | | | | | | | |
| Comments: Category=SOLAR SYSTEM Description=[OTHER] | | | | | | | | | | | | | | | | |

Proposal 16720 - Tile mod7 (43) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

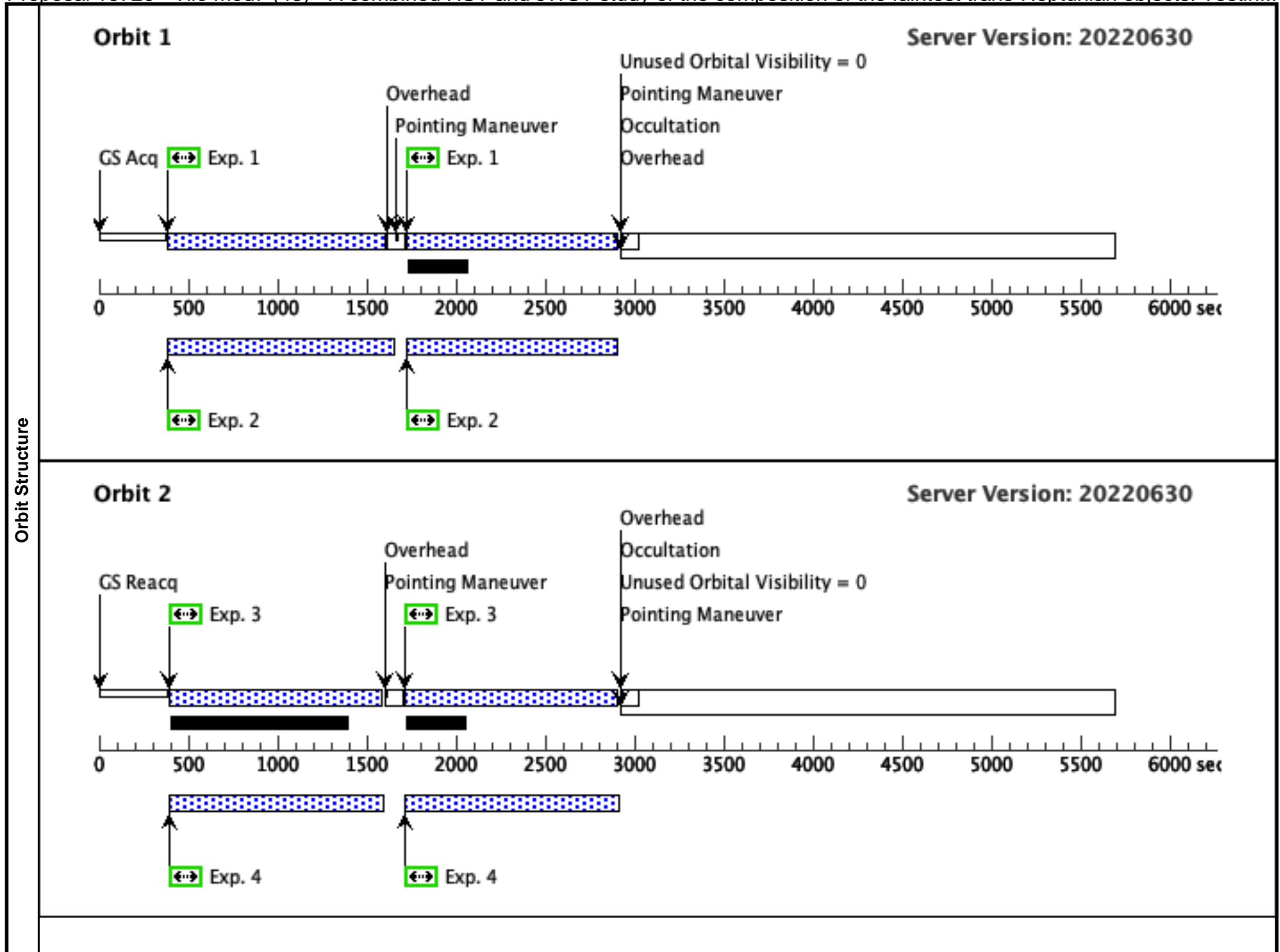
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|---|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 1-2 in Tile mod7 (43) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Tile mod7 (43) | 1186 Secs (2372 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile mod7 (43) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Tile mod7 (43) | 1060 Secs (2120 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 3-4 in Tile mod7 (43) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Tile mod7 (43) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile mod7 (43) (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Tile mod7 (43) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 5-6 in Tile mod7 (43) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Tile mod7 (43) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile mod7 (43) (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Tile mod7 (43) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 7-8 in Tile mod7 (43) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Tile mod7 (43) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile mod7 (43) (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Tile mod7 (43) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 9-10 in Tile mod7 (43) (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Tile mod7 (43) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [5] |

Proposal 16720 - Tile mod7 (43) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|---|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile mod7 (43) (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile mo d7 (43) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 11-1 2 in Tile mod7 (43) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (43) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile mod7 (43) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (43) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 13-1 4 in Tile mod7 (43) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (43) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile mod7 (43) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (43) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 15-1 6 in Tile mod7 (43) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (43) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile mod7 (43) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (43) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 17-1 8 in Tile mod7 (43) (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile mod7 (43) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

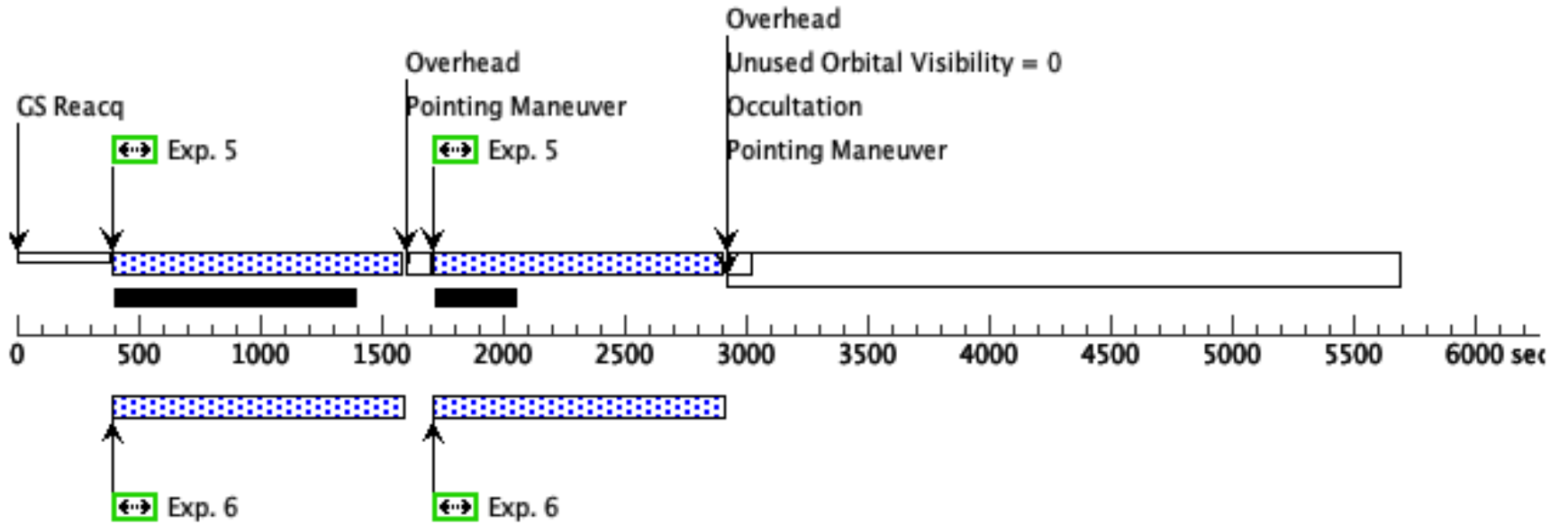
Proposal 16720 - Tile mod7 (43) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|---|--|---|------|
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-18 in Tile mod7 (43) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Tile mod7 (43) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 19 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 19-20 in Tile mod7 (43) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (43) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 20 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 19-20 in Tile mod7 (43) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (43) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 21 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 74.1794 3608656245,174.755 80000000002 | Pattern 1, Exps 21-22 in Tile mod7 (43) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (43) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |
| 22 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 21-22 in Tile mod7 (43) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (43) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |



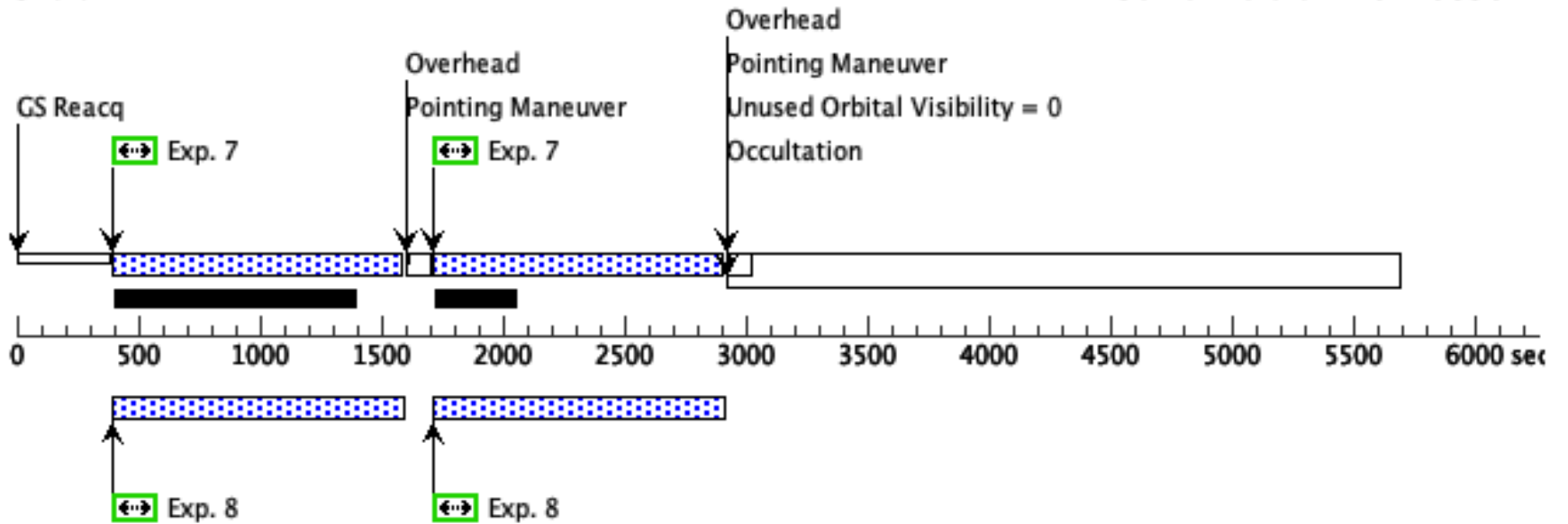
Orbit 3

Server Version: 20220630



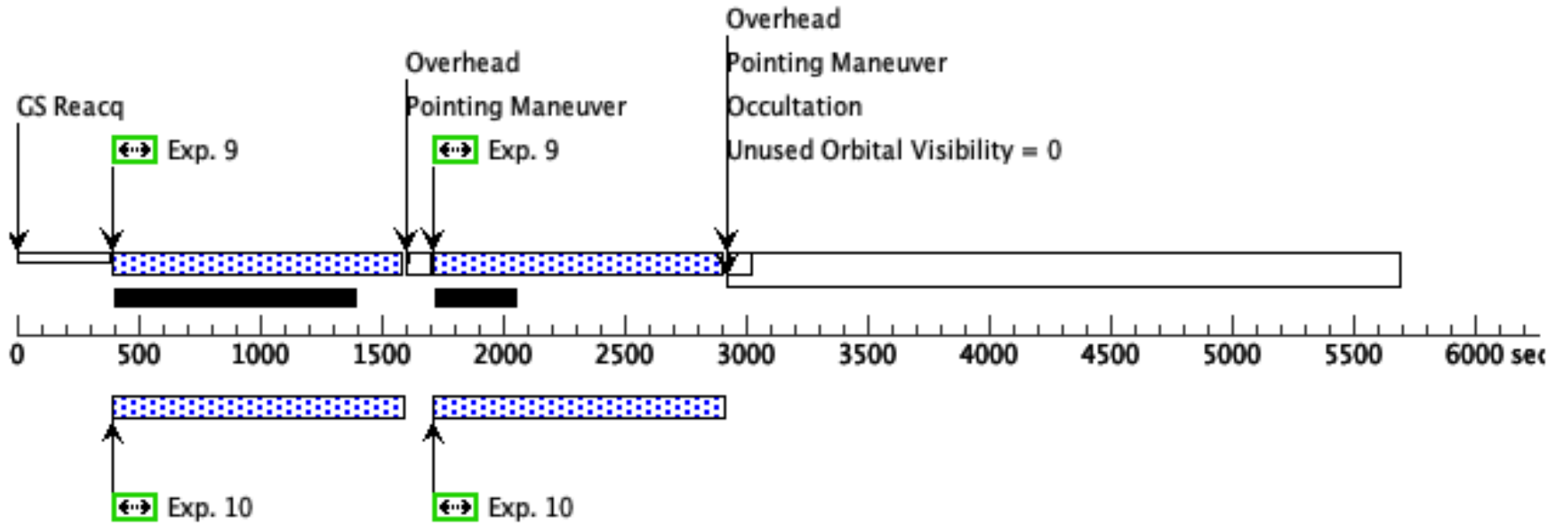
Orbit 4

Server Version: 20220630



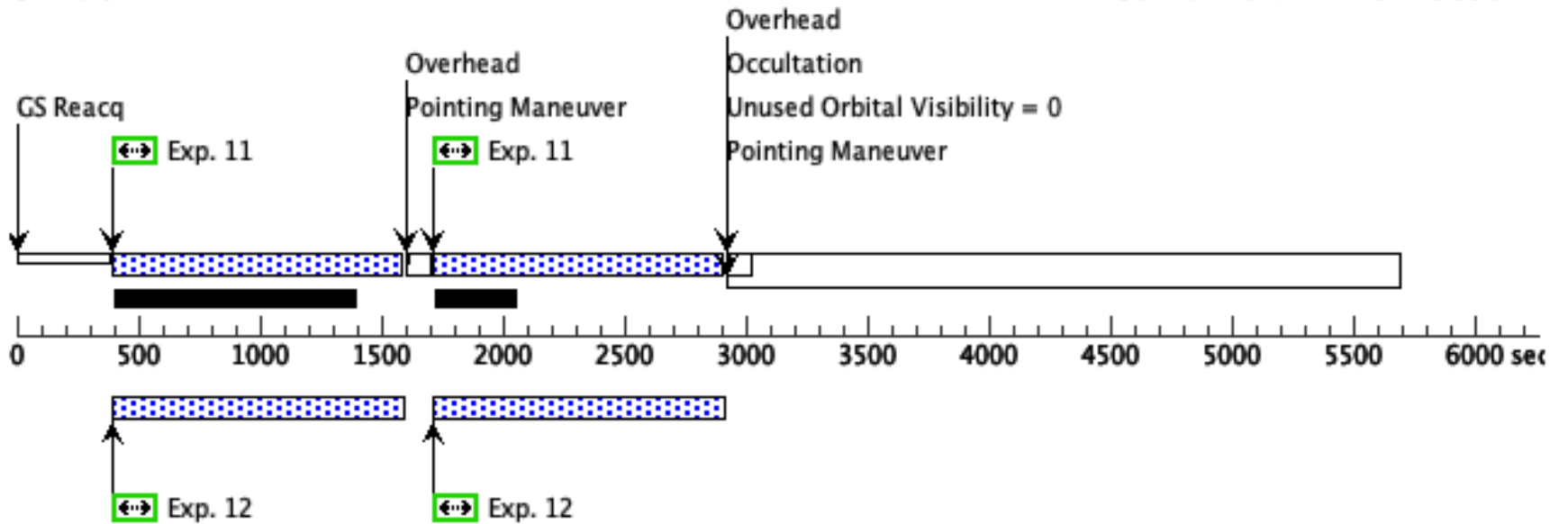
Orbit 5

Server Version: 20220630



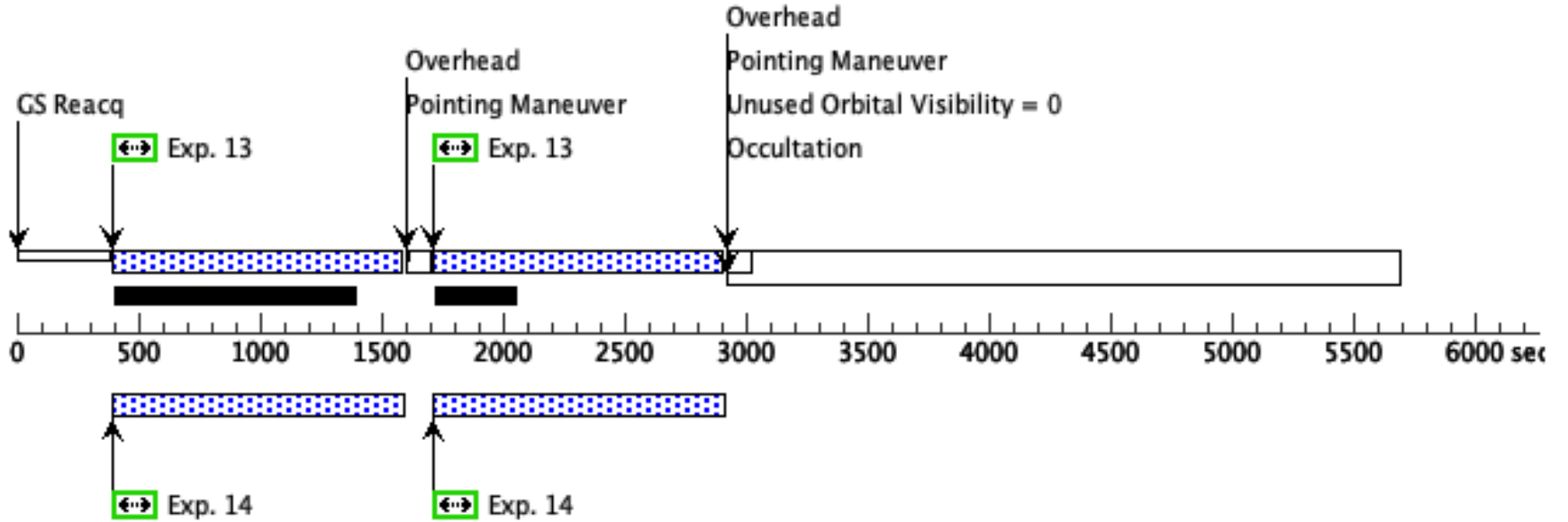
Orbit 6

Server Version: 20220630



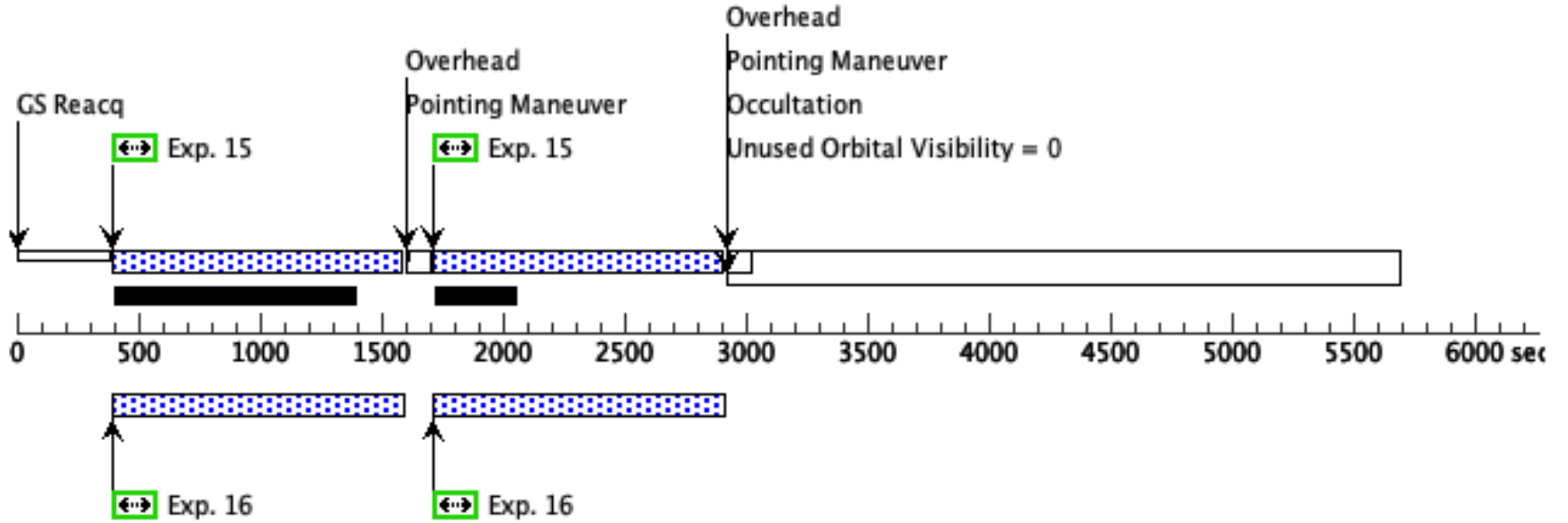
Orbit 7

Server Version: 20220630



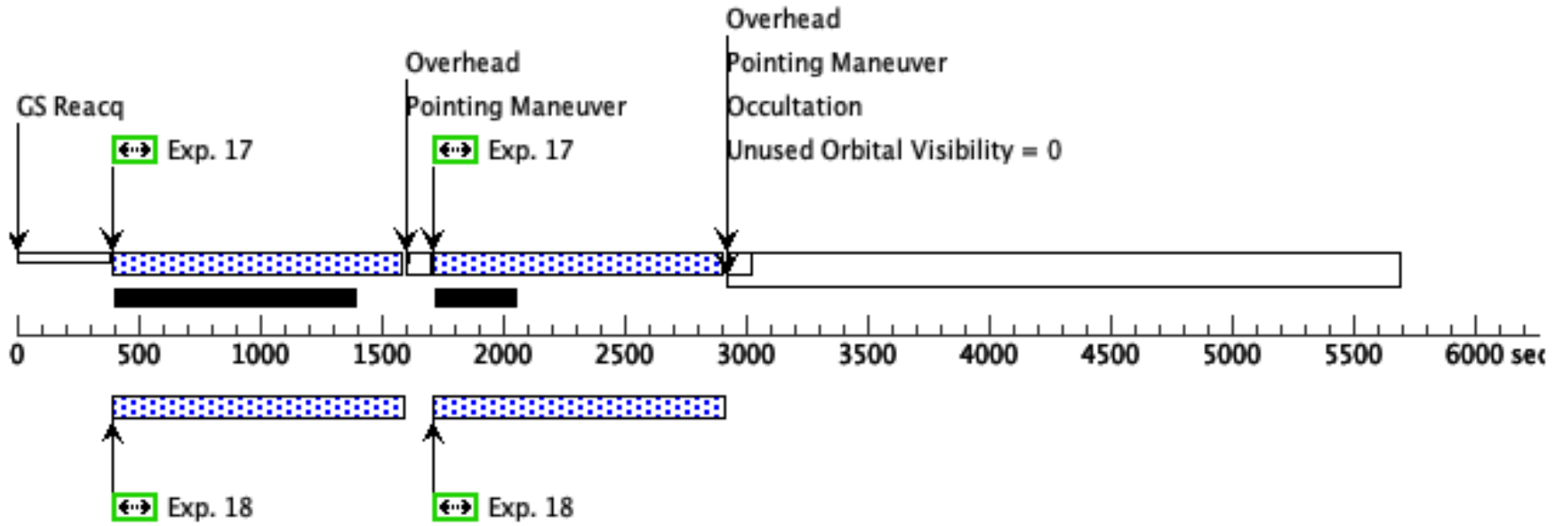
Orbit 8

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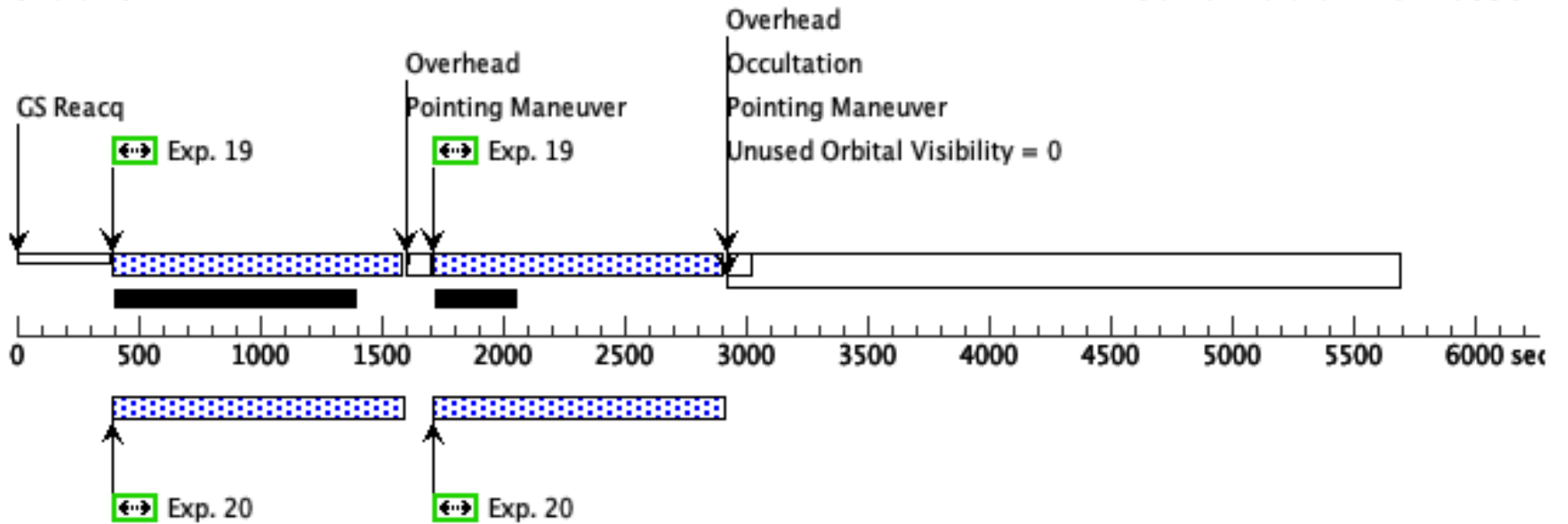
Orbit 9

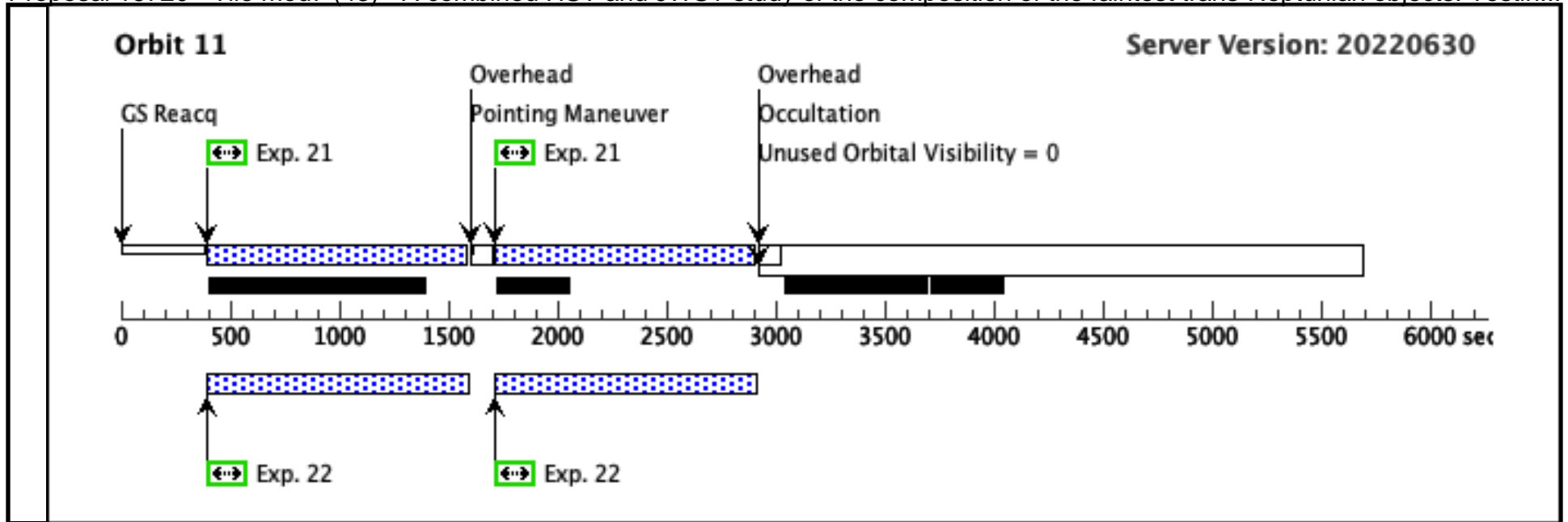
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Orbit 10

Server Version: 20220630





Proposal 16720 - Tile mod7 (44) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

Wed Dec 21 01:01:18 GMT 2022

| Visit | Proposal 16720, Tile mod7 (44), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 40 | | | | | | | | | | | | | | | |
|---|---|--|--|--------------------------|--------------------------|---------------|--|-----|--|--|--|-------|-----------------------|--|--|--|
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| Diagnosics | | | | | | | | | | | | | | | | |
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| Patterns | <table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td></td> <td>(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22)</td> </tr> </tbody> </table> | # | Primary Pattern | Secondary Pattern | Exposures | (1) | Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | |
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | | | | | | | |
| (1) | Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 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>ECLIPTIC-RA12H</td> <td> RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 </td> <td></td> <td>V=0.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | |
| (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | | | | | | | | | |
| Comments: Category=SOLAR SYSTEM Description=[OTHER] | | | | | | | | | | | | | | | | |

Proposal 16720 - Tile mod7 (44) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

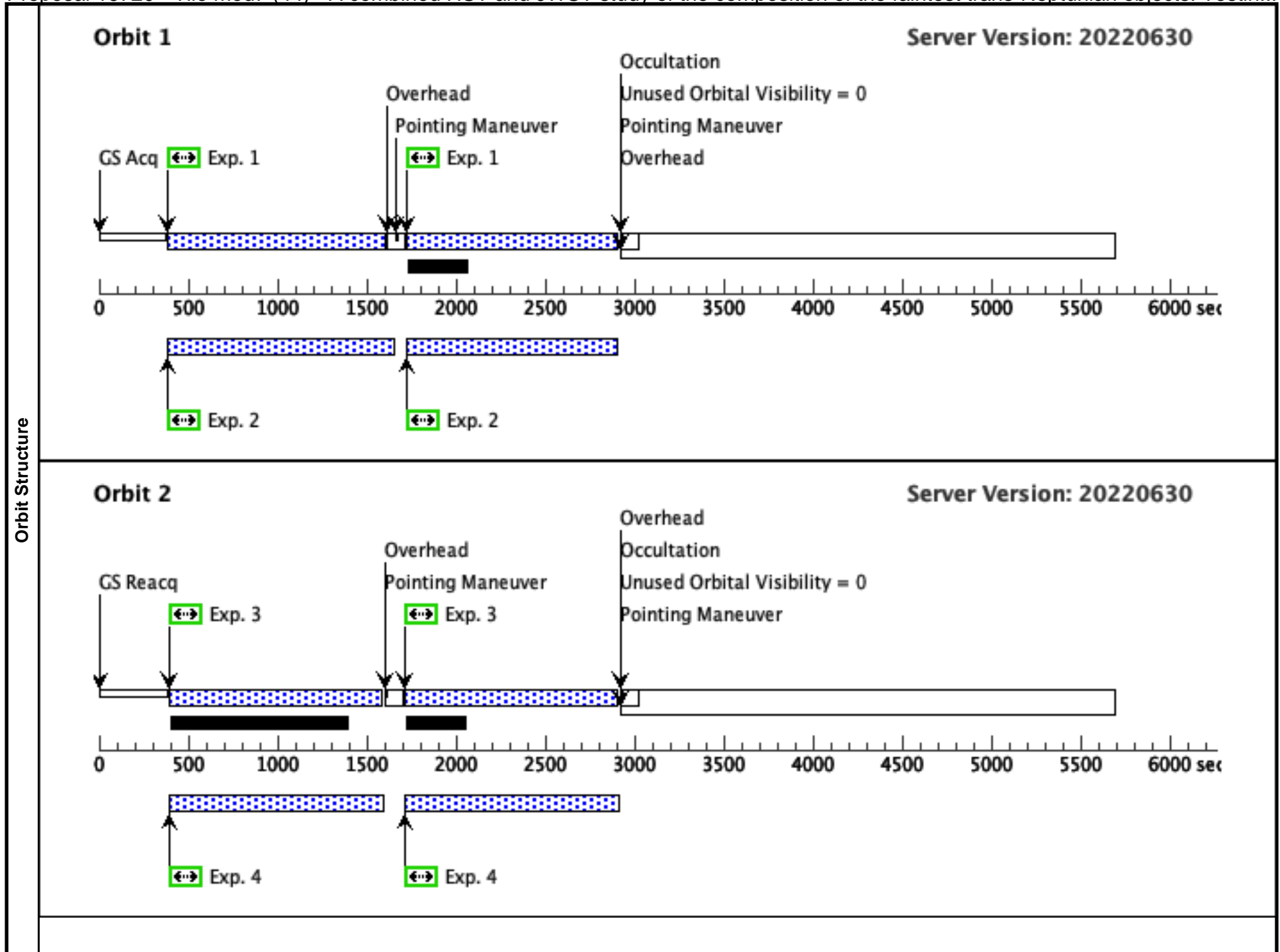
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|--|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 148.358 87217312492,349.51 160000000004; GS ACQ SCENARI O BASE1B3 | Pattern 1, Exps 1-2 in Tile mod7 (44) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile mod7 (44) | 1186 Secs (2372 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile mod7 (44) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile mod7 (44) | 1060 Secs (2120 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 3-4 in Tile mod7 (44) (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile mod7 (44) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile mod7 (44) (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile mod7 (44) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 5-6 in Tile mod7 (44) (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile mod7 (44) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile mod7 (44) (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile mod7 (44) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 7-8 in Tile mod7 (44) (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile mod7 (44) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile mod7 (44) (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile mod7 (44) | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 9-10 in Tile mod7 (44) (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile mo d7 (44) | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [5] |

Proposal 16720 - Tile mod7 (44) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|--|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile mod7 (44) (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile mo d7 (44) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 11-1 2 in Tile mod7 (44) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (44) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile mod7 (44) (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile mod7 (44) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 13-1 4 in Tile mod7 (44) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (44) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile mod7 (44) (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile mod7 (44) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 15-1 6 in Tile mod7 (44) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (44) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile mod7 (44) (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile mod7 (44) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 17-1 8 in Tile mod7 (44) (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile mod7 (44) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

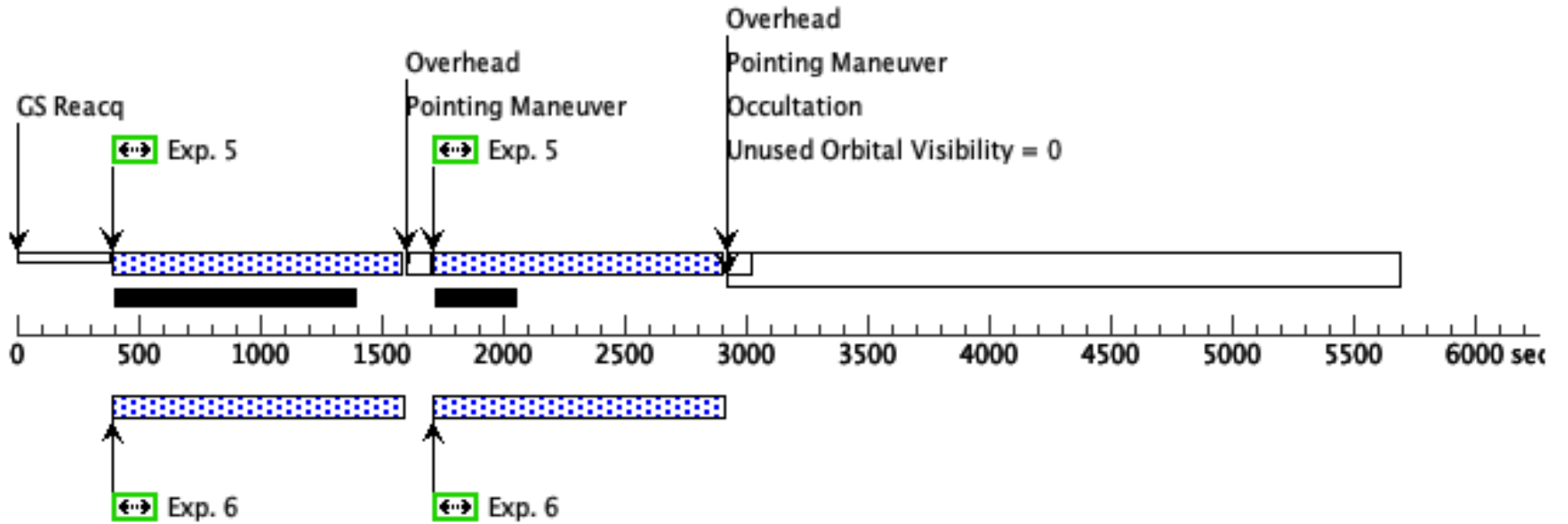
Proposal 16720 - Tile mod7 (44) - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testin...

| | | | | | | | |
|----|------------------------|------------------------|--------|--|--|---|------|
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-18 in Tile mod7 (44) (1) Prime + Parallel Group 17-18 in Pattern 1, Exps 17-18 in Tile mod7 (44) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 19 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 19-20 in Tile mod7 (44) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (44) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 20 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 19-20 in Tile mod7 (44) (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile mod7 (44) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [10] |
| 21 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG 148.358 87217312492,349.51 160000000004 | Pattern 1, Exps 21-22 in Tile mod7 (44) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (44) | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |
| 22 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 21-22 in Tile mod7 (44) (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile mod7 (44) | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [11] |



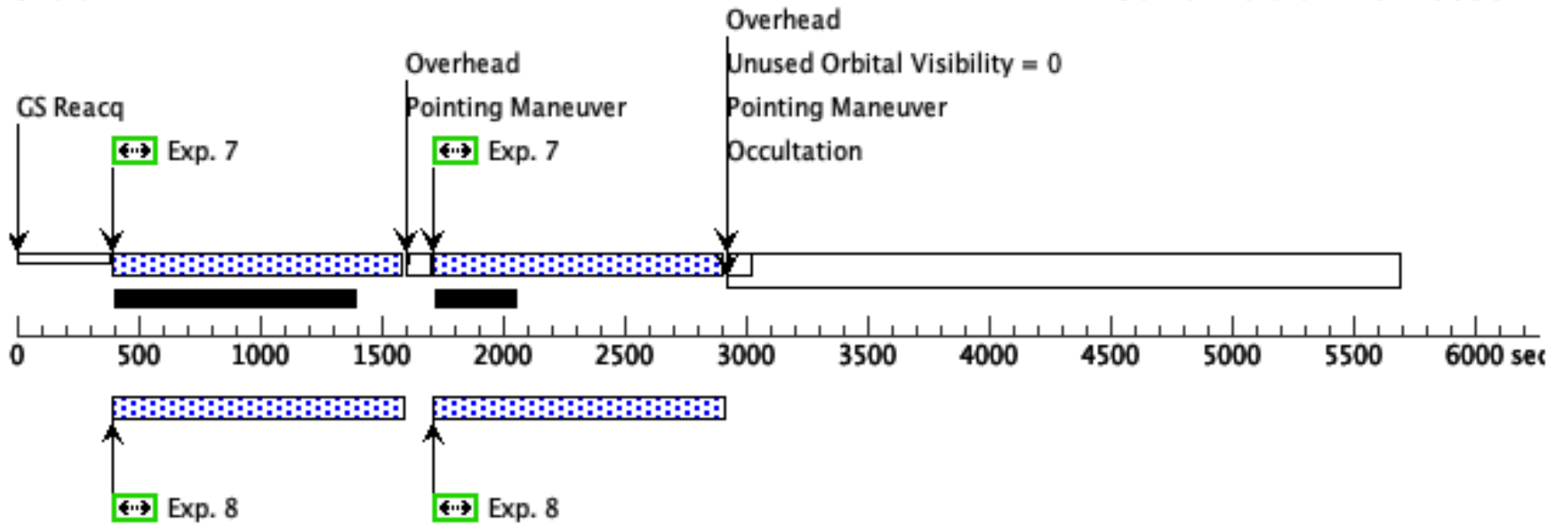
Orbit 3

Server Version: 20220630



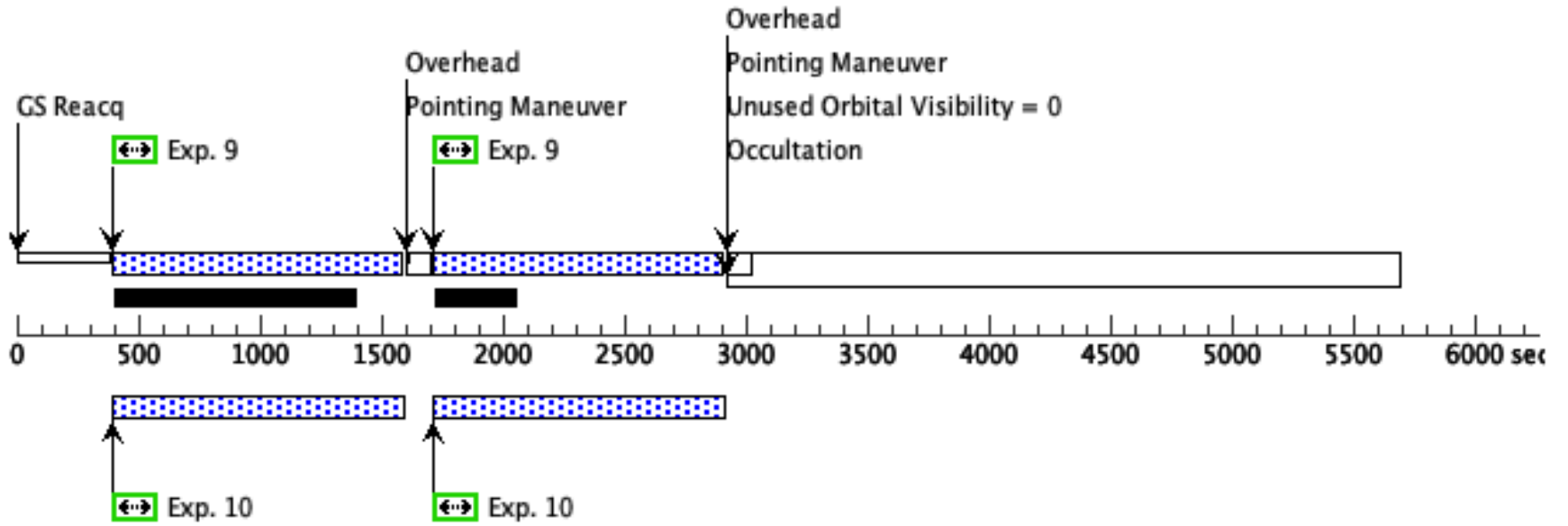
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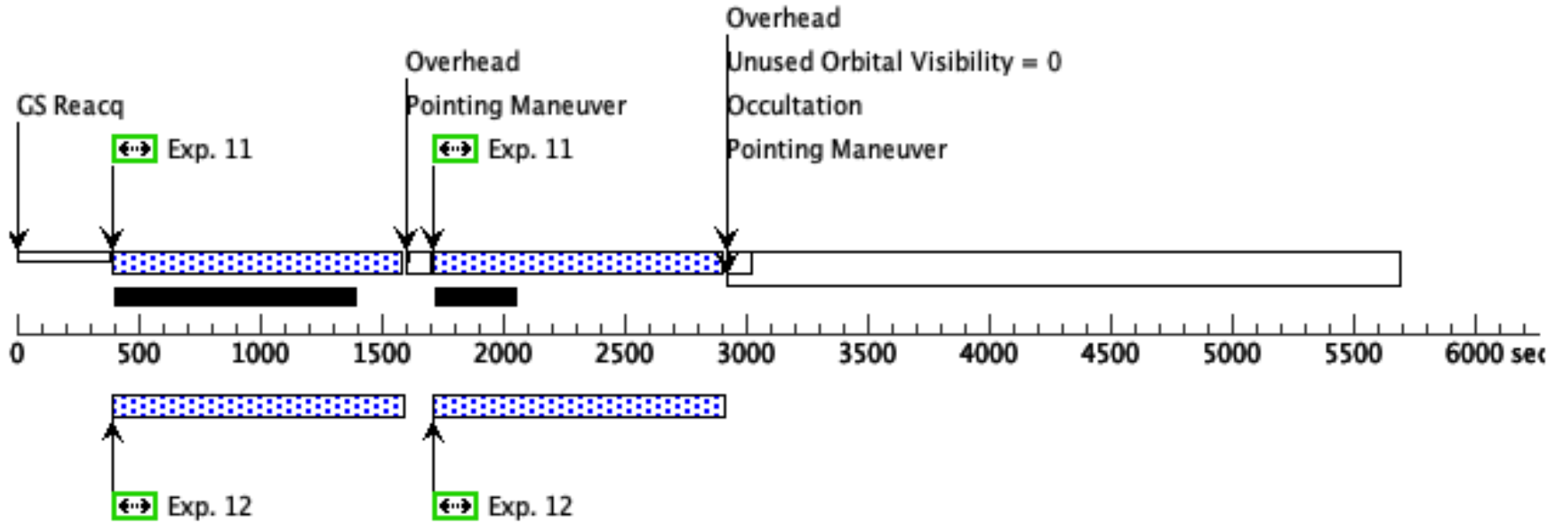
Orbit 5

Server Version: 20220630



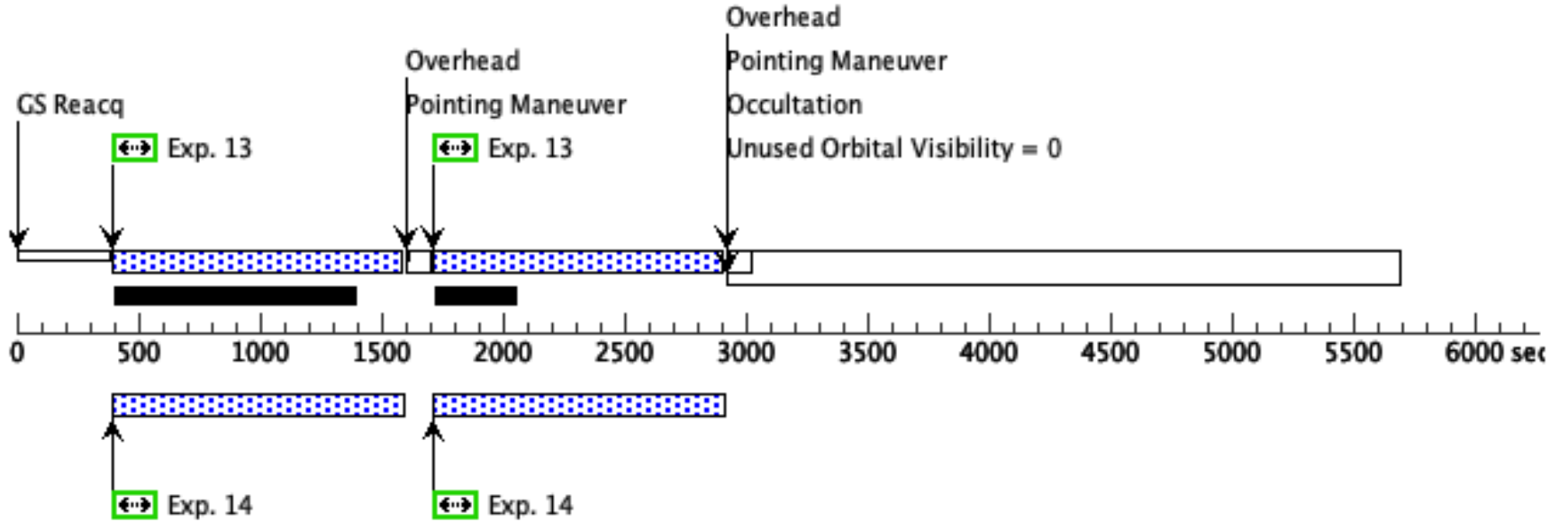
Orbit 6

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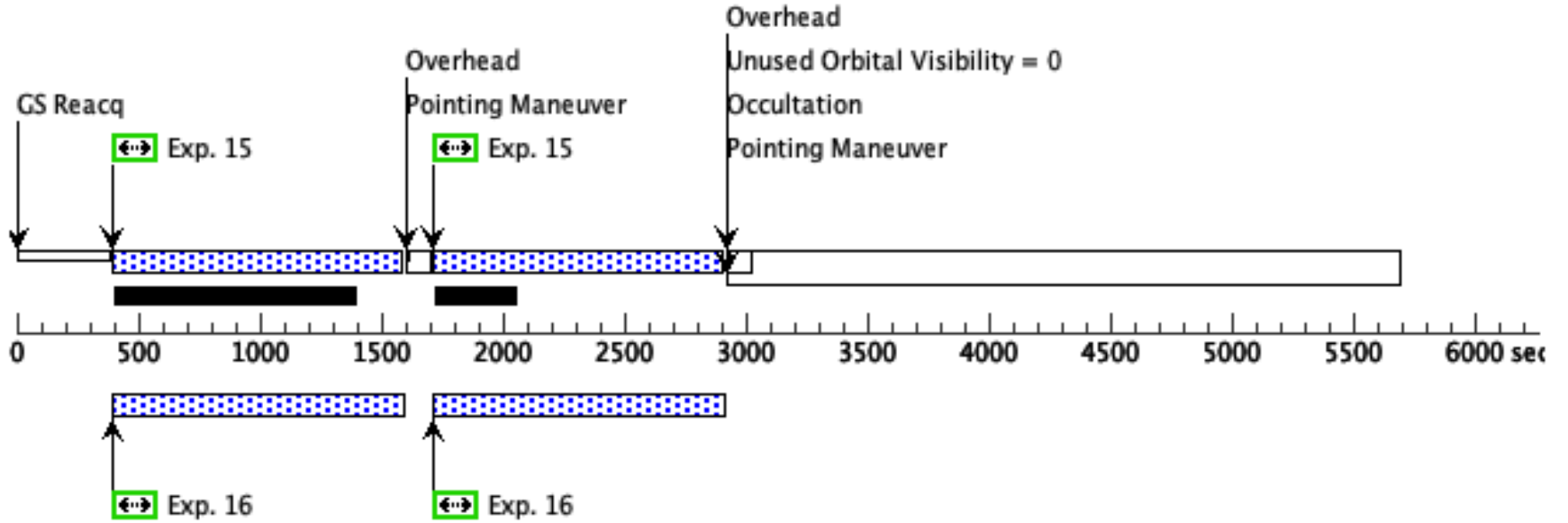
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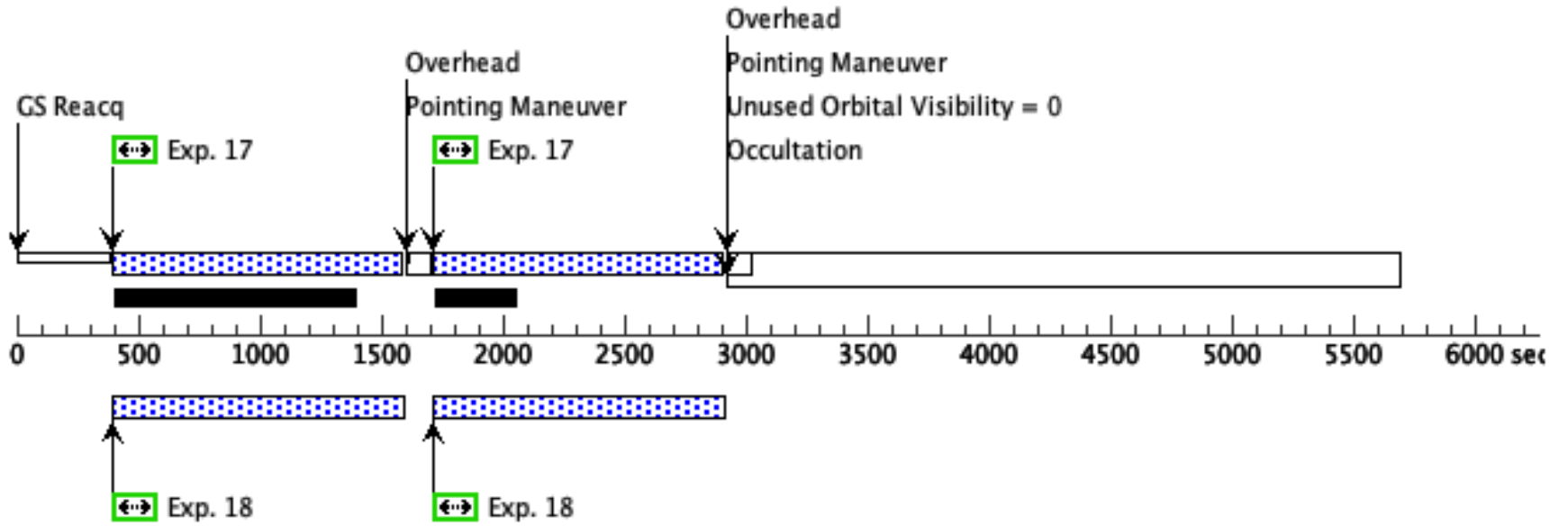
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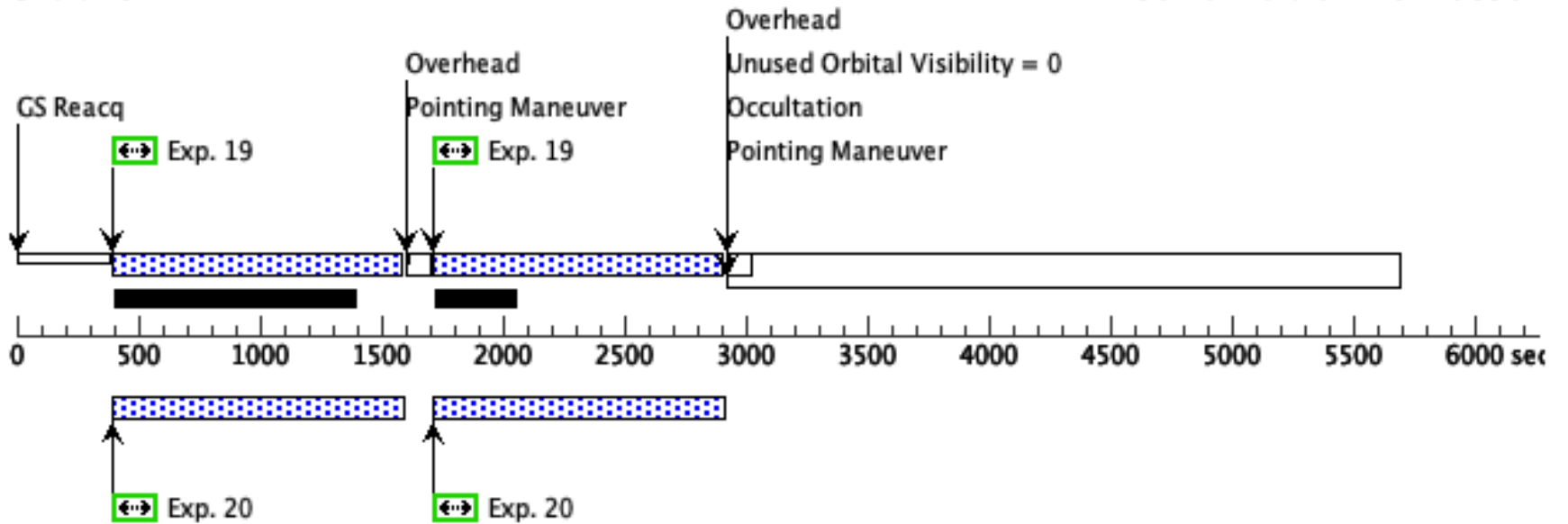
Orbit 9

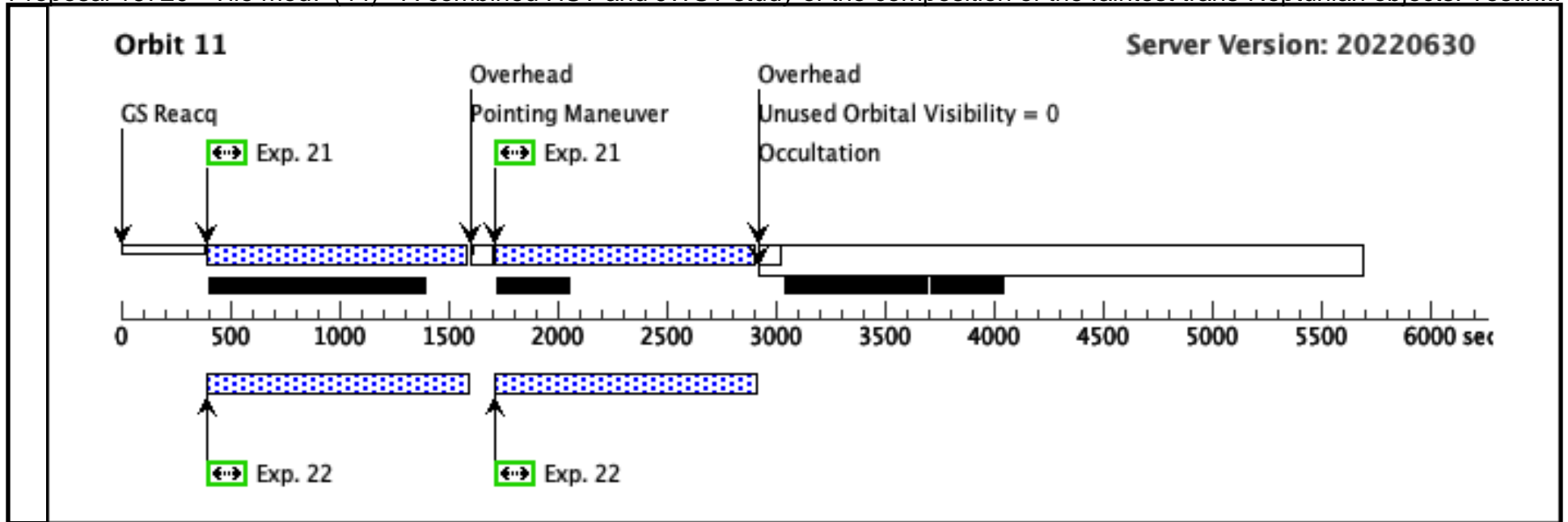
Server Version: 20220630



Orbit 10

Server Version: 20220630





Proposal 16720 - Tile Visit 45 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

Wed Dec 21 01:01:18 GMT 2022

| Visit | Proposal 16720, Tile Visit 45, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 40 | | | | | | | | | | | | | | | |
|---|--|--|--|--------------------------|--------------------------|---------------|--|-----|--|--|--|-------|-----------------------|--|--|--|
| | (Tile Visit 45) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 45) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Patterns | <table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td></td> <td>(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22)</td> </tr> </tbody> </table> | # | Primary Pattern | Secondary Pattern | Exposures | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | |
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | | | | | | | |
| (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 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>ECLIPTIC-RA12H</td> <td> RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 </td> <td></td> <td>V=0.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | |
| (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | | | | | | | | | |
| Comments: Category=SOLAR SYSTEM Description=[OTHER] | | | | | | | | | | | | | | | | |

Proposal 16720 - Tile Visit 45 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

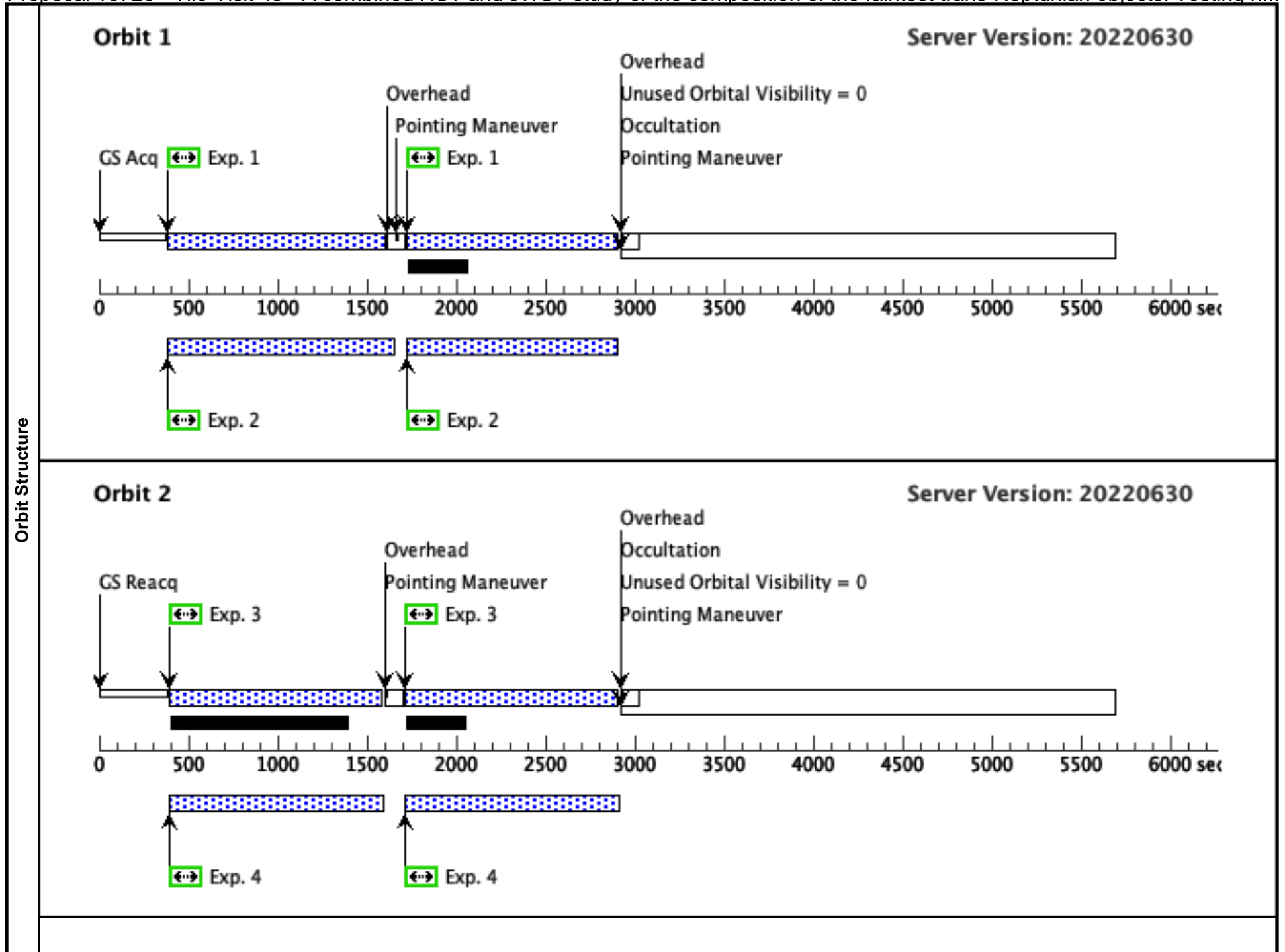
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|--|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 1-2 in Tile Visit 45 (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Tile Visit 45 | 1186 Secs (2372 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile Visit 45 (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Tile Visit 45 | 1060 Secs (2120 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 3-4 in Tile Visit 45 (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Tile Visit 45 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile Visit 45 (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Tile Visit 45 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 5-6 in Tile Visit 45 (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Tile Visit 45 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile Visit 45 (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Tile Visit 45 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 7-8 in Tile Visit 45 (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Tile Visit 45 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile Visit 45 (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Tile Visit 45 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 9-10 in Tile Visit 45 (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Tile Visit 45 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [5] |

Proposal 16720 - Tile Visit 45 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

| | | | | | | | |
|----|------------------------|------------------------|--------|--|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile Visit 45 (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile Vis it 45 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 11-1 2 in Tile Visit 45 (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile Visit 45 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile Visit 45 (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile Visit 45 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 13-1 4 in Tile Visit 45 (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile Visit 45 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile Visit 45 (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile Visit 45 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 15-1 6 in Tile Visit 45 (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile Visit 45 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile Visit 45 (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile Visit 45 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 17-1 8 in Tile Visit 45 (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile Visit 45 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-1 8 in Tile Visit 45 (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile Visit 45 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

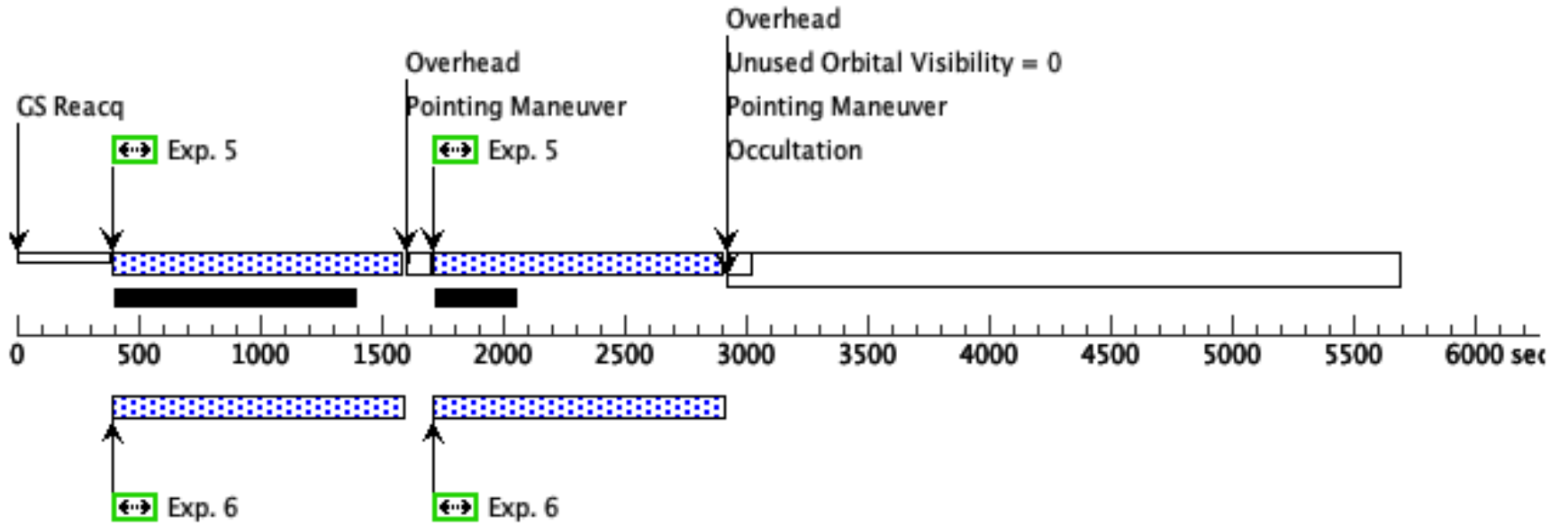
Proposal 16720 - Tile Visit 45 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

| | | | | | | | |
|----|------------------------|------------------------|--------|--|--|-----------------------|------|
| 19 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 19-20 in Tile Visit 45 (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile Visit 45 | 1197 Secs (2394 Secs) | |
| | | | | | | [==>(Pattern 1)] | [10] |
| 20 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 19-20 in Tile Visit 45 (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile Visit 45 | 1072 Secs (2144 Secs) | |
| | | | | | | [==>(Pattern 1)] | [10] |
| 21 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -299.00 36114822028,-70.38 484599345378 | Pattern 1, Exps 21-22 in Tile Visit 45 (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile Visit 45 | 1197 Secs (2394 Secs) | |
| | | | | | | [==>(Pattern 1)] | [11] |
| 22 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 21-22 in Tile Visit 45 (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile Visit 45 | 1072 Secs (2144 Secs) | |
| | | | | | | [==>(Pattern 1)] | [11] |



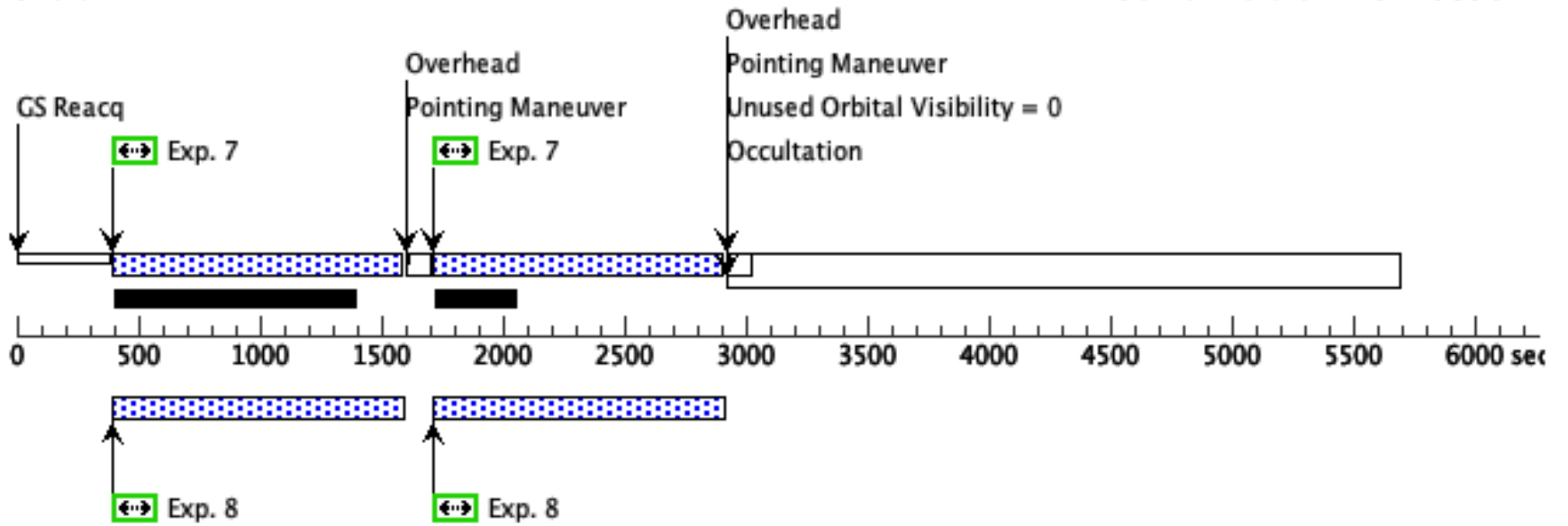
Orbit 3

Server Version: 20220630



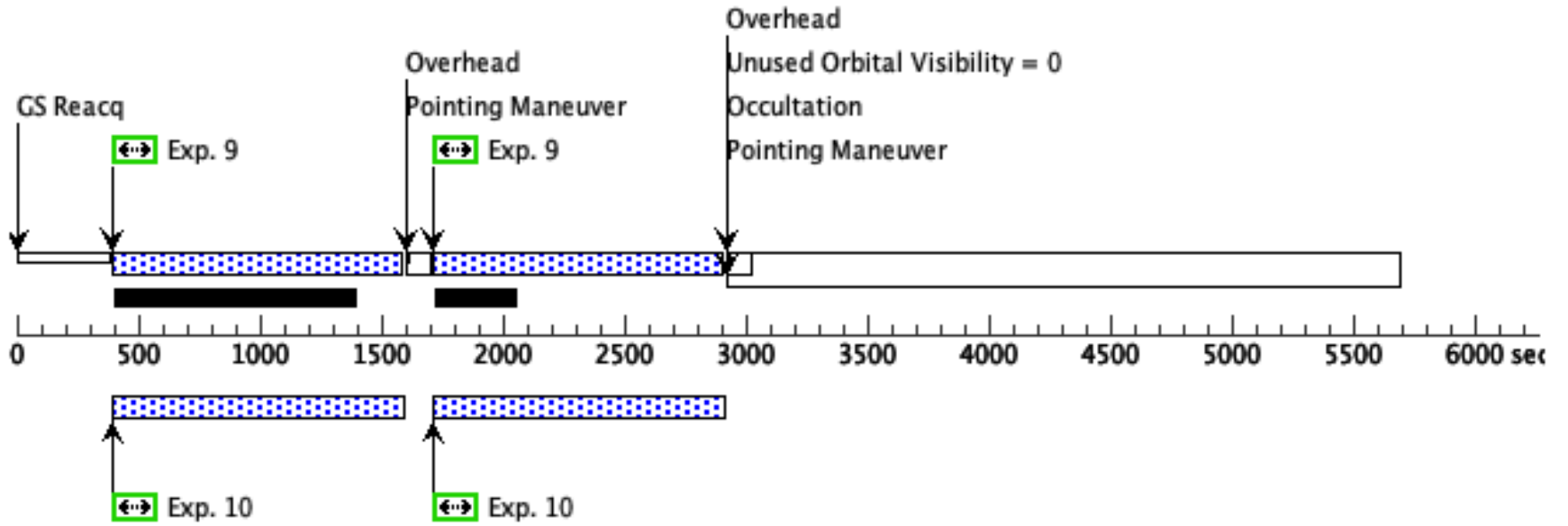
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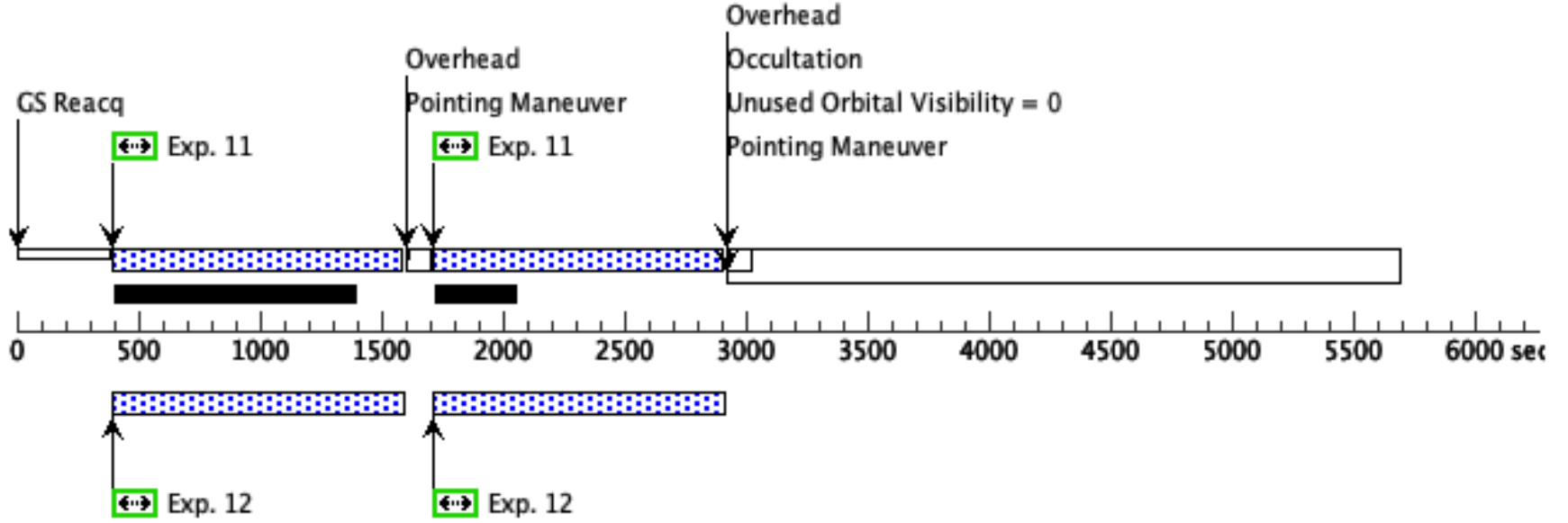
Orbit 5

Server Version: 20220630



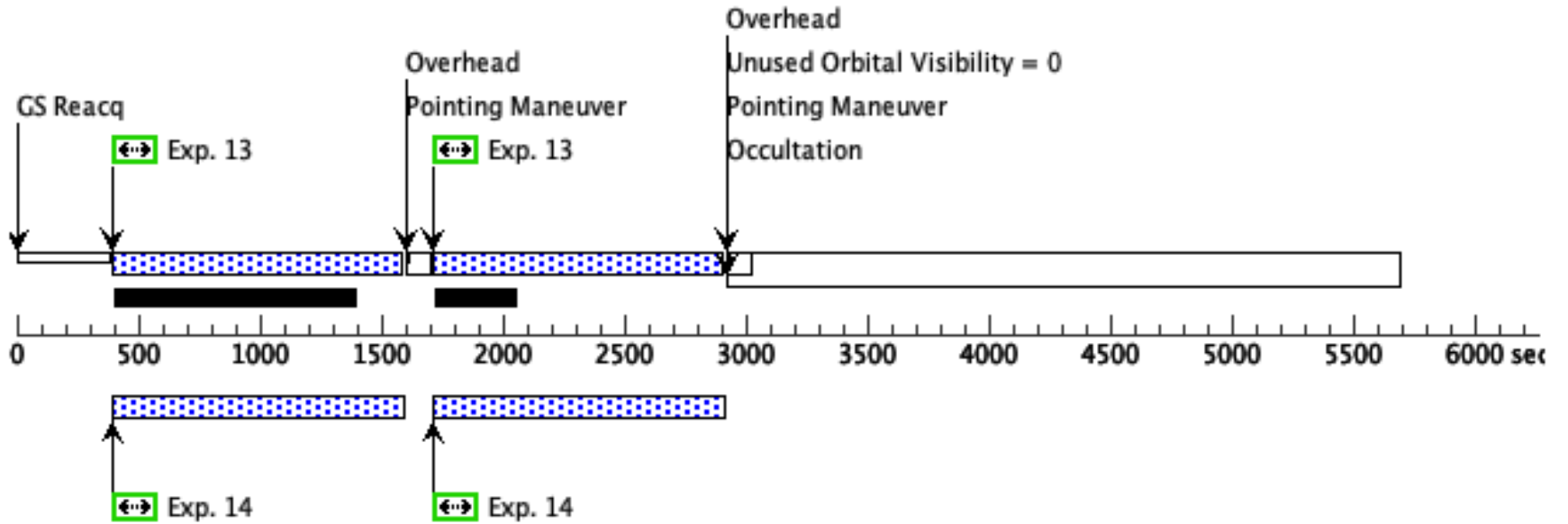
Orbit 6

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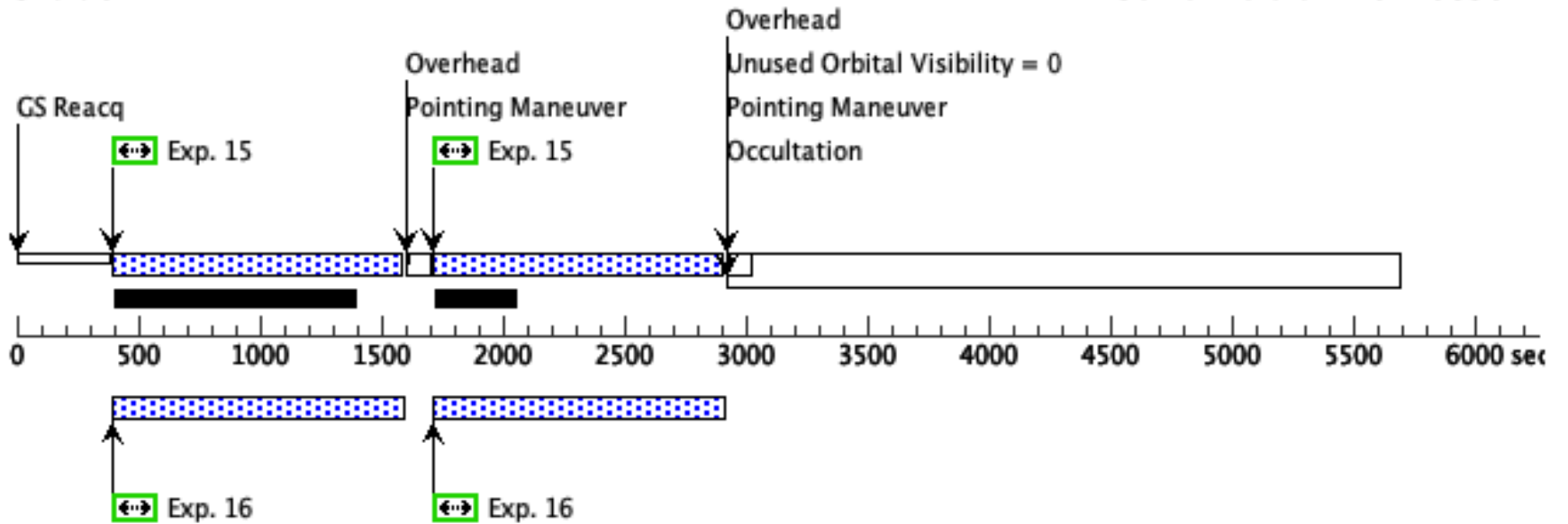
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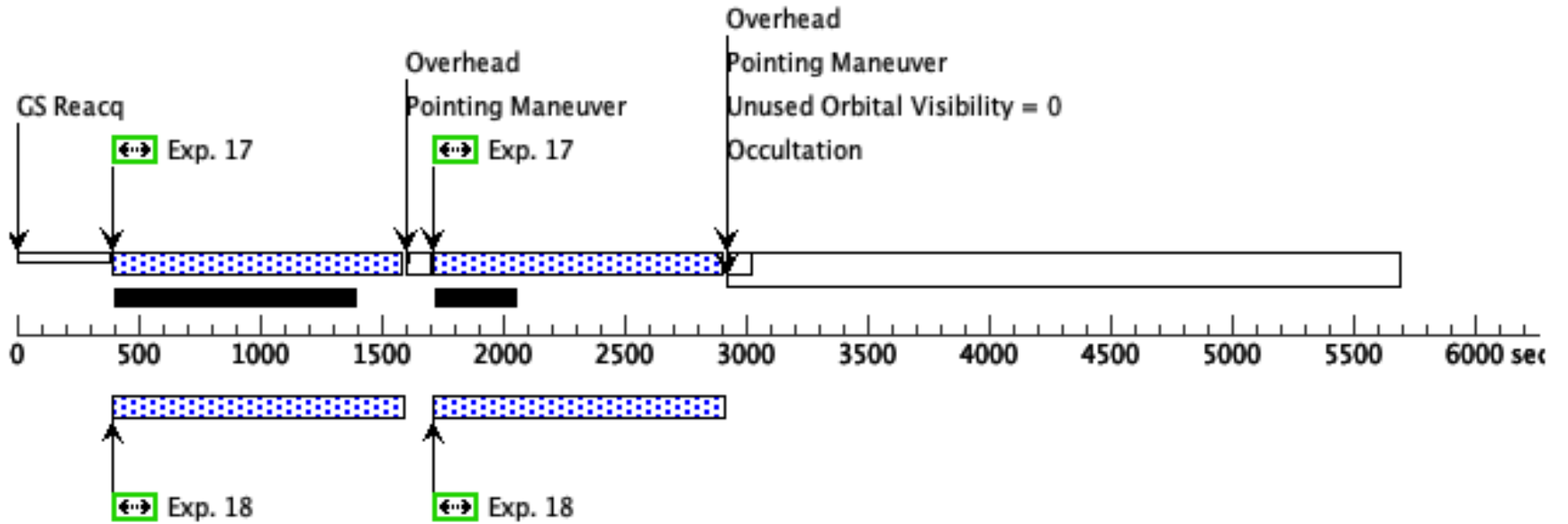
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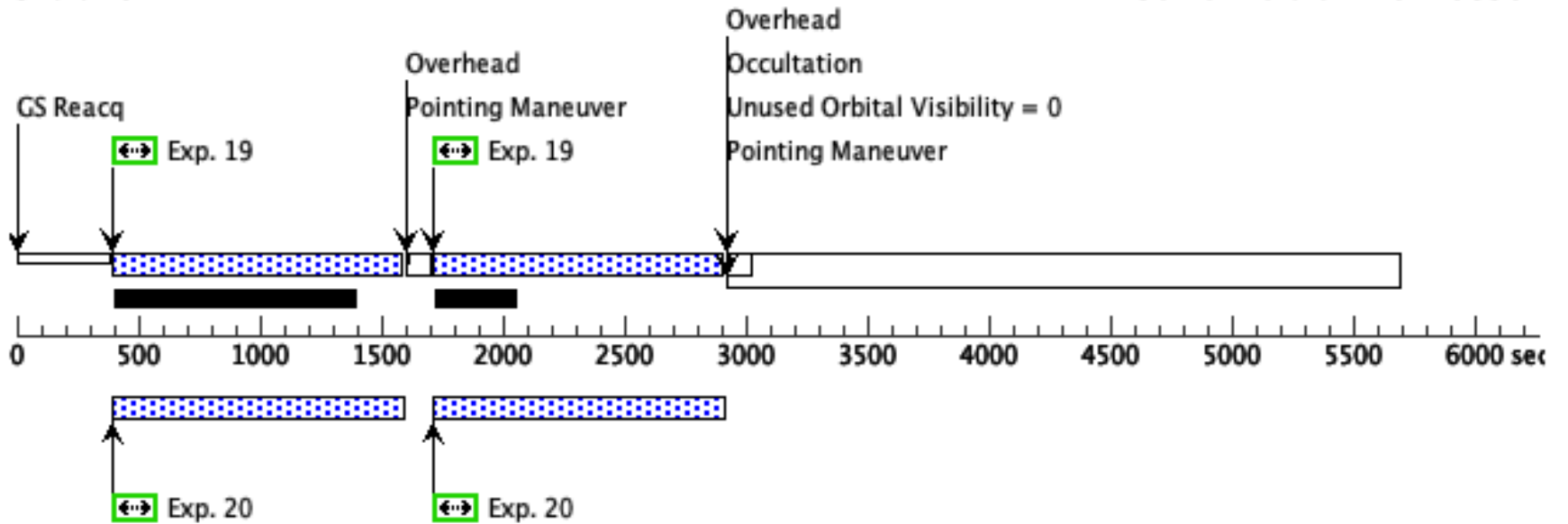
Orbit 9

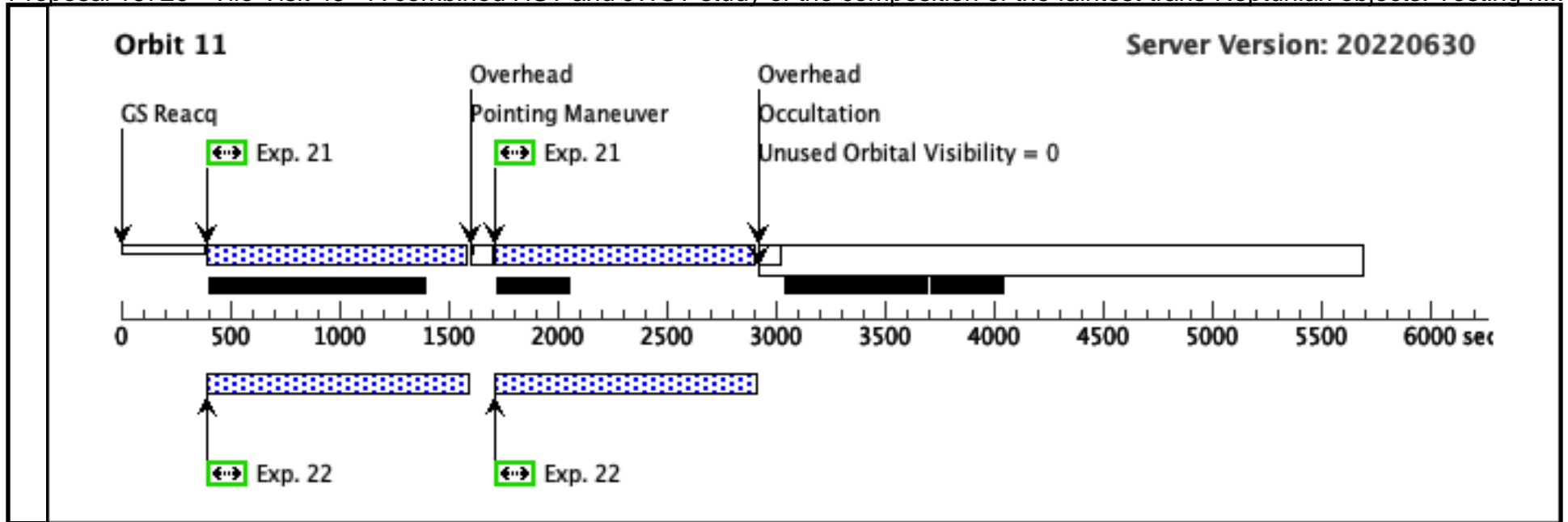
Server Version: 20220630



Orbit 10

Server Version: 20220630





Proposal 16720 - Tile Visit 46 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

Wed Dec 21 01:01:19 GMT 2022

| Visit | Proposal 16720, Tile Visit 46, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 45 | | | | | | | | | | | | | | | |
|---|--|--|--|--------------------------|--------------------------|---------------|--|-----|--|--|--|-------|-----------------------|--|--|--|
| | (Tile Visit 46) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 46) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Patterns | <table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td></td> <td>(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22)</td> </tr> </tbody> </table> | # | Primary Pattern | Secondary Pattern | Exposures | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | |
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | | | | | | | |
| (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 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>ECLIPTIC-RA12H</td> <td> RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 </td> <td></td> <td>V=0.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | |
| (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | | | | | | | | | |
| Comments: Category=SOLAR SYSTEM Description=[OTHER] | | | | | | | | | | | | | | | | |

Proposal 16720 - Tile Visit 46 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

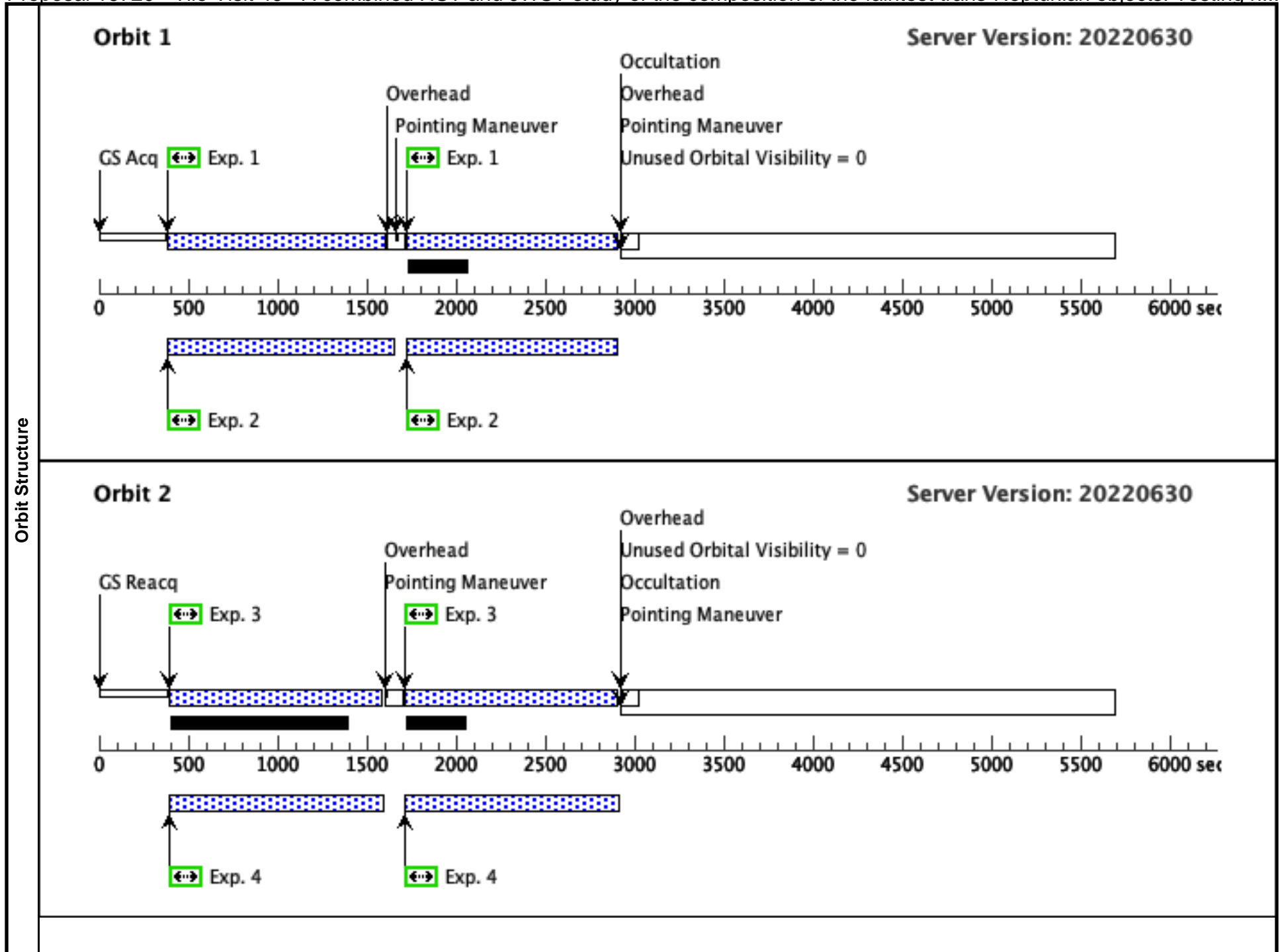
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|--|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 1-2 in Tile Visit 46 (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Tile Visit 46 | 1186 Secs (2372 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile Visit 46 (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in Tile Visit 46 | 1060 Secs (2120 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 3-4 in Tile Visit 46 (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Tile Visit 46 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile Visit 46 (1) Prime + Parallel Group 3-4 in Pattern 1, Exps 3-4 in Tile Visit 46 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 5-6 in Tile Visit 46 (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Tile Visit 46 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile Visit 46 (1) Prime + Parallel Group 5-6 in Pattern 1, Exps 5-6 in Tile Visit 46 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 7-8 in Tile Visit 46 (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Tile Visit 46 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile Visit 46 (1) Prime + Parallel Group 7-8 in Pattern 1, Exps 7-8 in Tile Visit 46 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 9-10 in Tile Visit 46 (1) Prime + Parallel Group 9-10 in Pattern 1, Exps 9-10 in Tile Visit 46 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [5] |

Proposal 16720 - Tile Visit 46 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

| | | | | | | | |
|----|------------------------|------------------------|--------|--|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile Visit 46 (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile Vis it 46 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 11-1 2 in Tile Visit 46 (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile Visit 46 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile Visit 46 (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile Visit 46 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 13-1 4 in Tile Visit 46 (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile Visit 46 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile Visit 46 (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile Visit 46 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 15-1 6 in Tile Visit 46 (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile Visit 46 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile Visit 46 (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile Visit 46 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 17-1 8 in Tile Visit 46 (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile Visit 46 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-1 8 in Tile Visit 46 (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile Visit 46 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

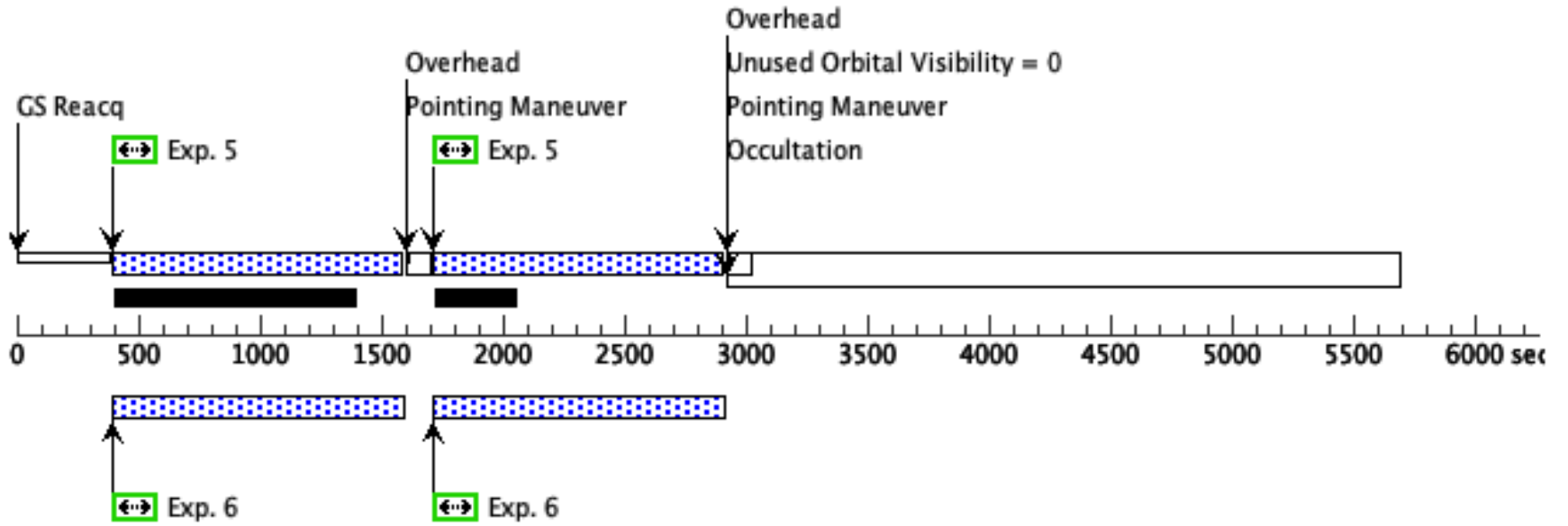
Proposal 16720 - Tile Visit 46 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

| | | | | | | |
|----|---|--------|--|--|--------------------------------------|------|
| 19 | (2) ECLIPTIC-RA12 WFC3/UVIS, ACCUM, UVIS H | F350LP | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 19-20 in Tile Visit 46 (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile Visit 46 | 1197 Secs (2394 Secs) | [10] |
| | | | | | [==>(Pattern 1)] [==>(Pattern 2)] | |
| 20 | (2) ECLIPTIC-RA12 ACS/WFC, ACCUM, WFC H | F814W | | Pattern 1, Exps 19-20 in Tile Visit 46 (1) Prime + Parallel Group 19-20 in Pattern 1, Exps 19-20 in Tile Visit 46 | 1072 Secs (2144 Secs) | [10] |
| | | | | | [==>(Pattern 1)] [==>(Pattern 2)] | |
| 21 | (2) ECLIPTIC-RA12 WFC3/UVIS, ACCUM, UVIS H | F350LP | POS TARG -227.87 125575372102,99.84 736218346566 | Pattern 1, Exps 21-22 in Tile Visit 46 (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile Visit 46 | 1197 Secs (2394 Secs) | [11] |
| | | | | | [==>(Pattern 1)] [==>(Pattern 2)] | |
| 22 | (2) ECLIPTIC-RA12 ACS/WFC, ACCUM, WFC H | F814W | | Pattern 1, Exps 21-22 in Tile Visit 46 (1) Prime + Parallel Group 21-22 in Pattern 1, Exps 21-22 in Tile Visit 46 | 1072 Secs (2144 Secs) | [11] |
| | | | | | [==>(Pattern 1)] [==>(Pattern 2)] | |



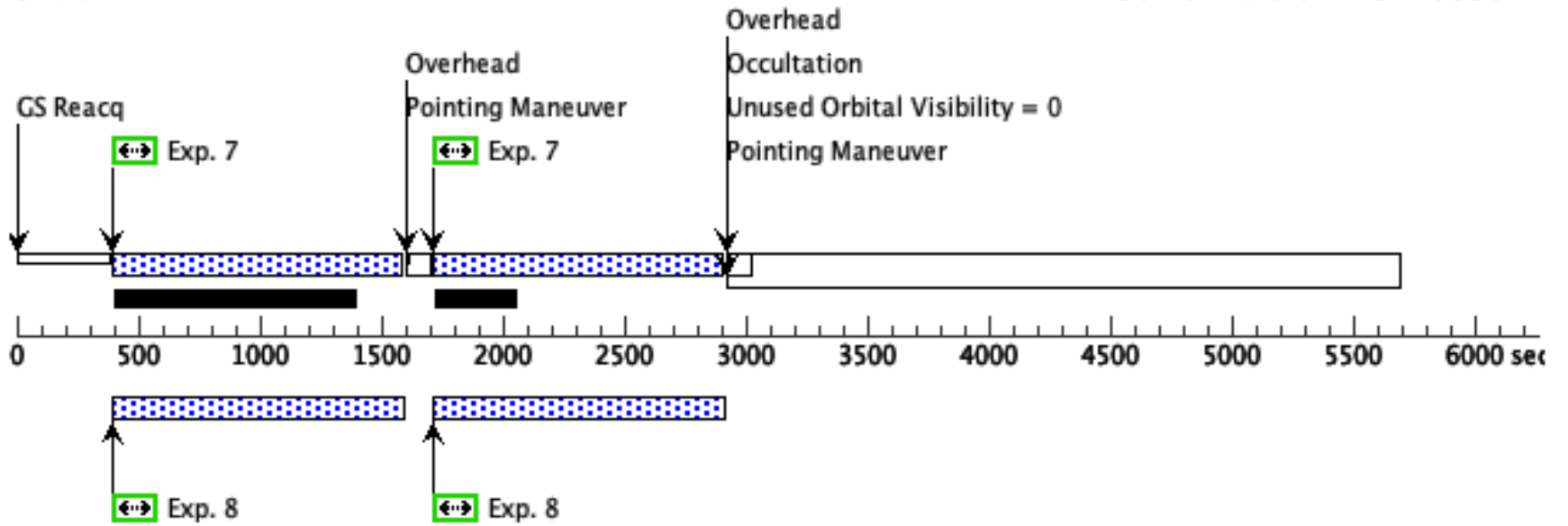
Orbit 3

Server Version: 20220630



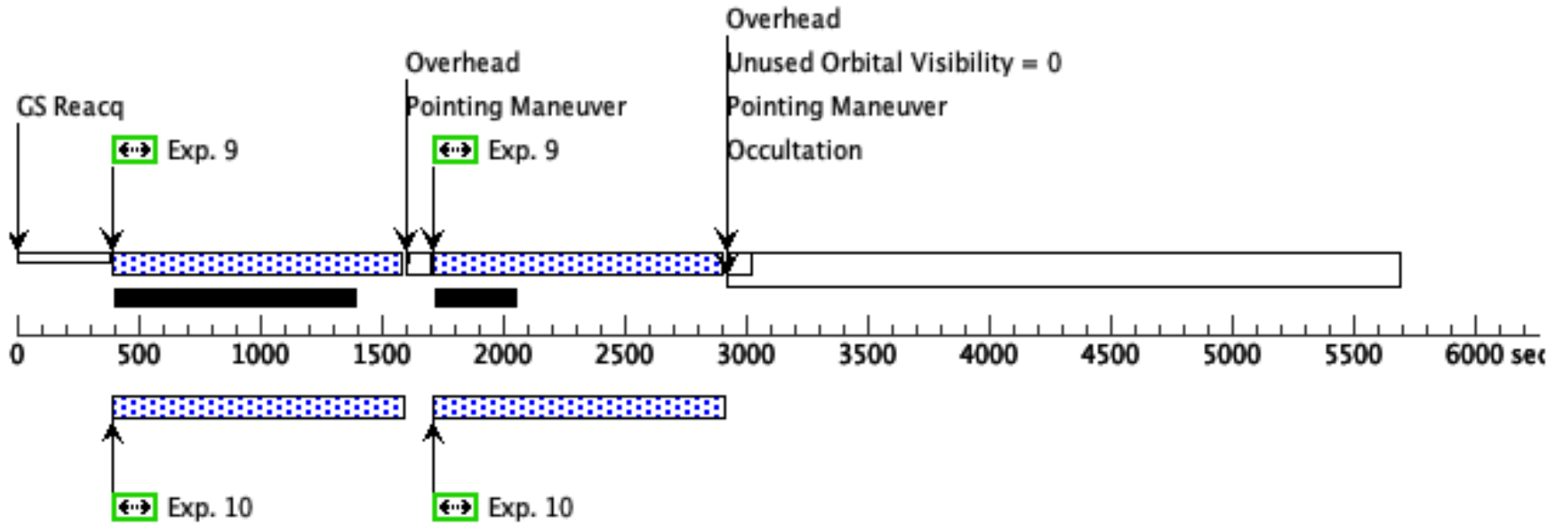
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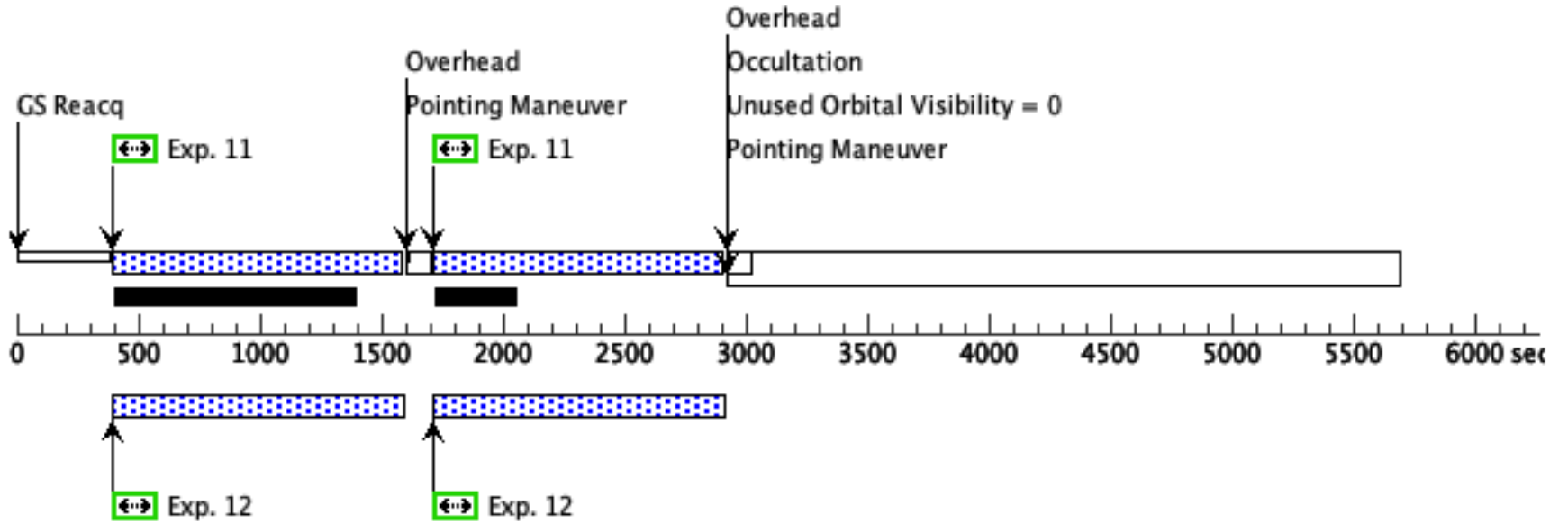
Orbit 5

Server Version: 20220630



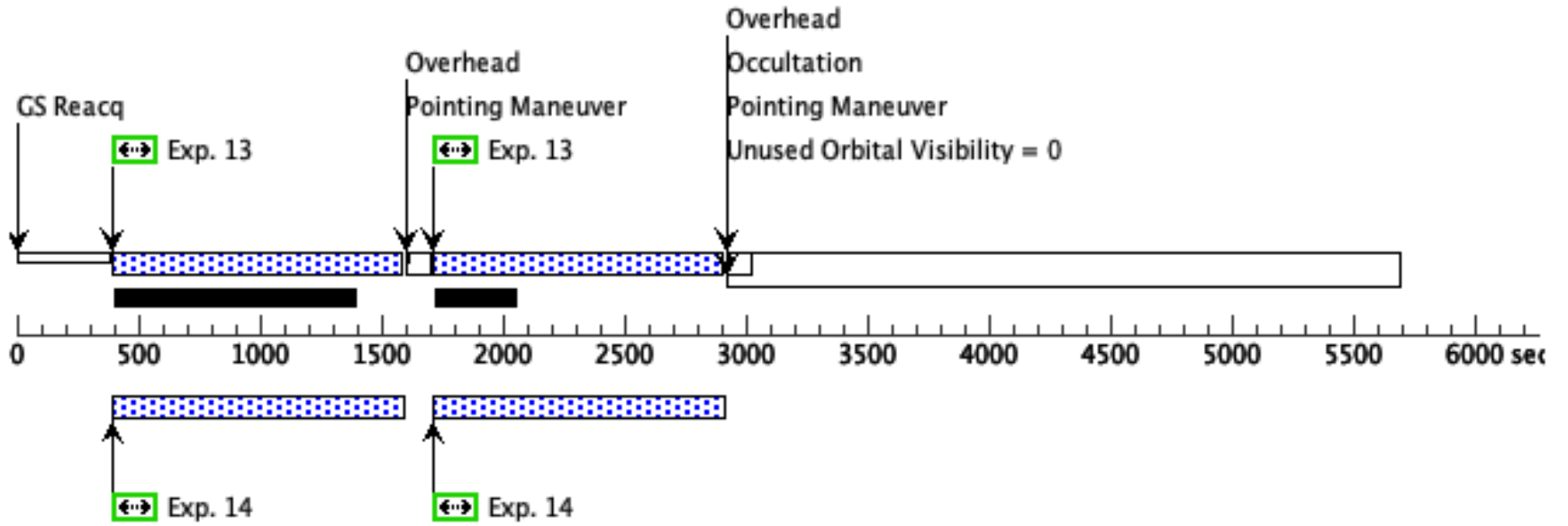
Orbit 6

Server Version: 20220630



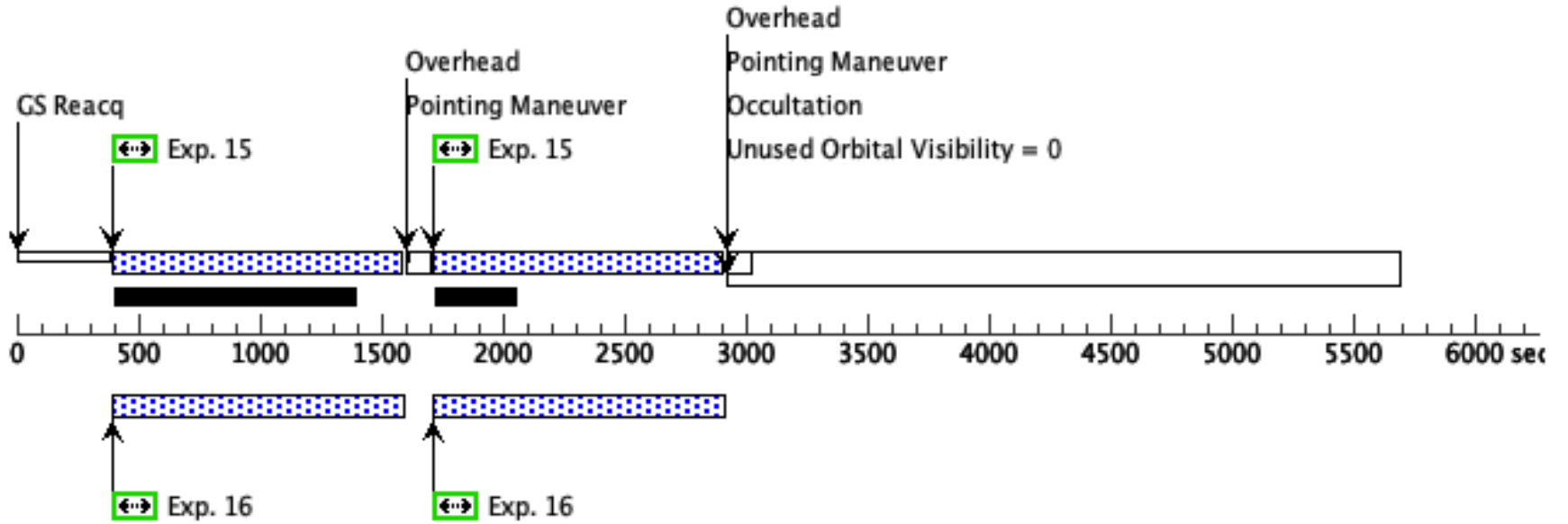
Orbit 7

Server Version: 20220630



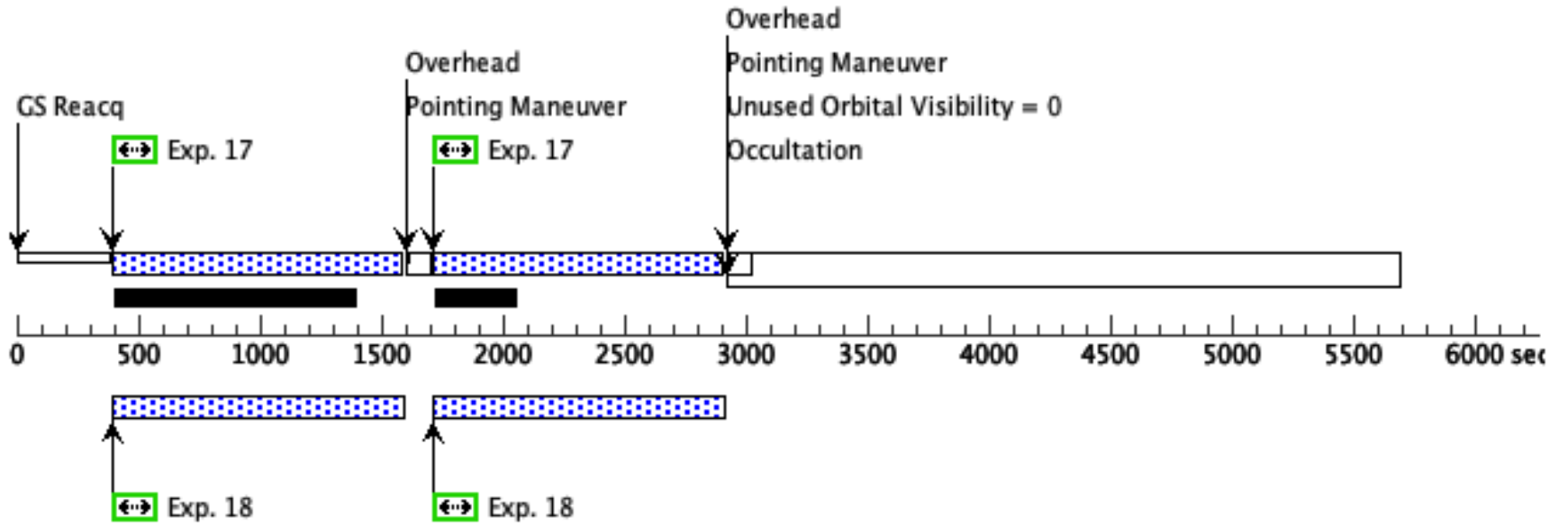
Orbit 8

Server Version: 20220630



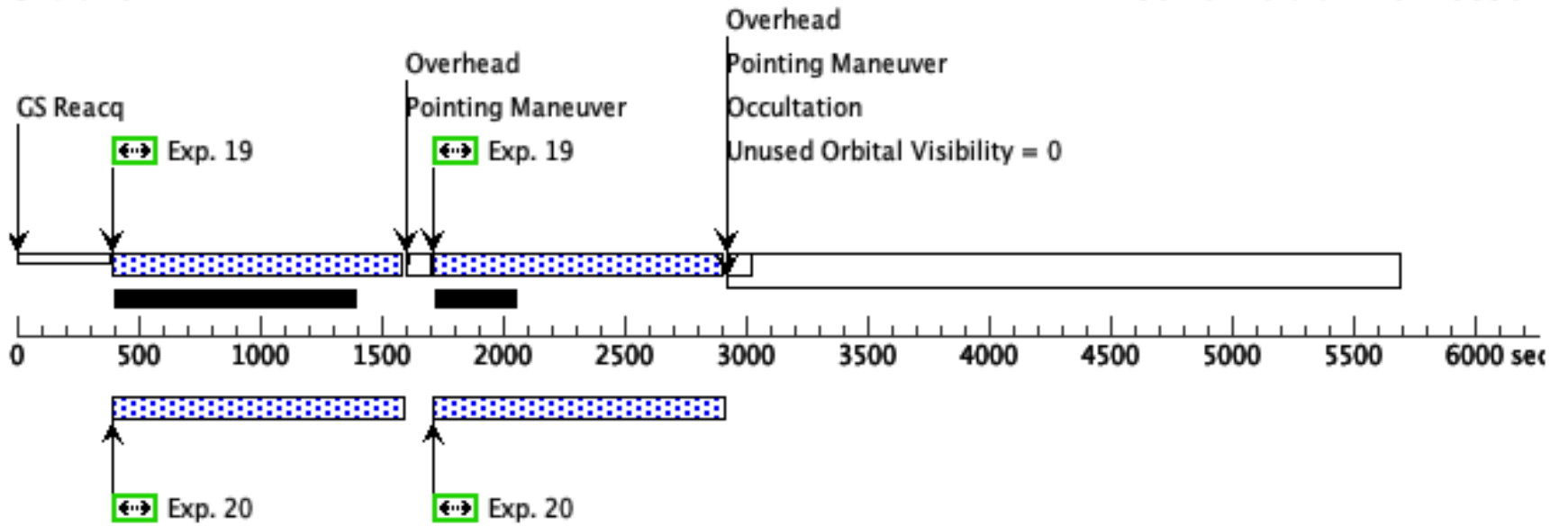
Orbit 9

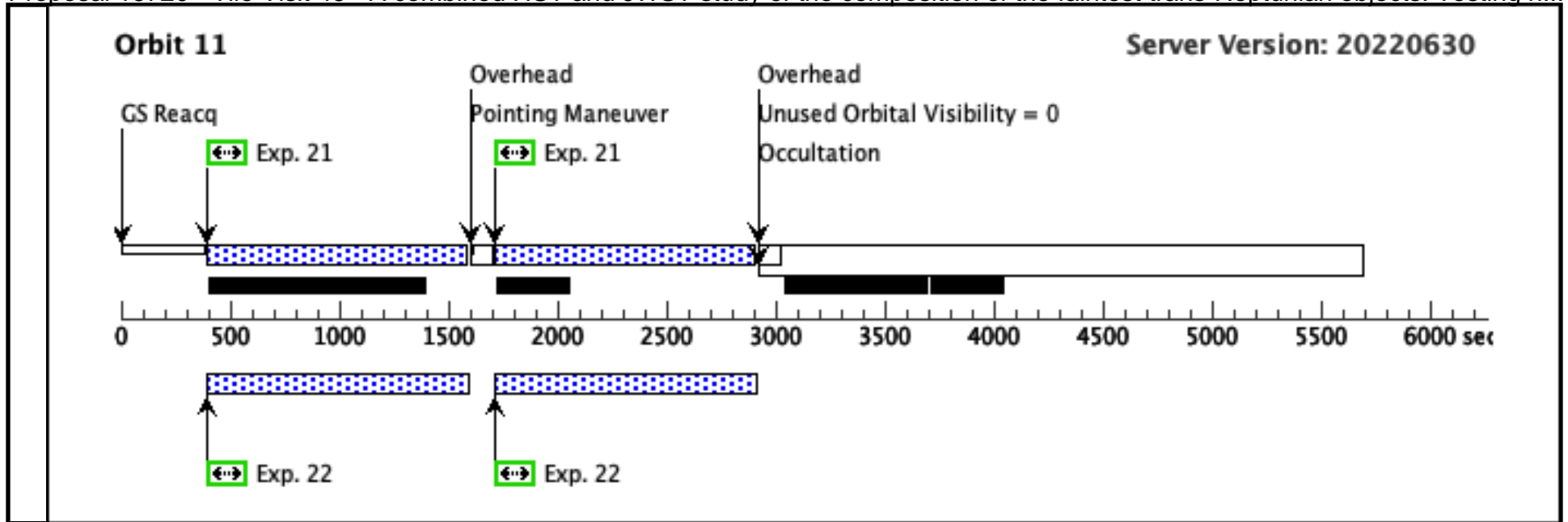
Server Version: 20220630



Orbit 10

Server Version: 20220630





Proposal 16720 - Tile Visit 47 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

Wed Dec 21 01:01:19 GMT 2022

| Visit | Proposal 16720, Tile Visit 47, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 45 | | | | | | | | | | | | | | | |
|---|--|--|--|--------------------------|--------------------------|---------------|--|-----|--|--|--|-------|-----------------------|--|--|--|
| | (Tile Visit 47) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 47) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Patterns | <table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td></td> <td>(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22)</td> </tr> </tbody> </table> | # | Primary Pattern | Secondary Pattern | Exposures | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | |
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | | | | | | | |
| (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 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>ECLIPTIC-RA12H</td> <td> RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 </td> <td></td> <td>V=0.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | |
| (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | | | | | | | | | |
| Comments: Category=SOLAR SYSTEM Description=[OTHER] | | | | | | | | | | | | | | | | |

Proposal 16720 - Tile Visit 47 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

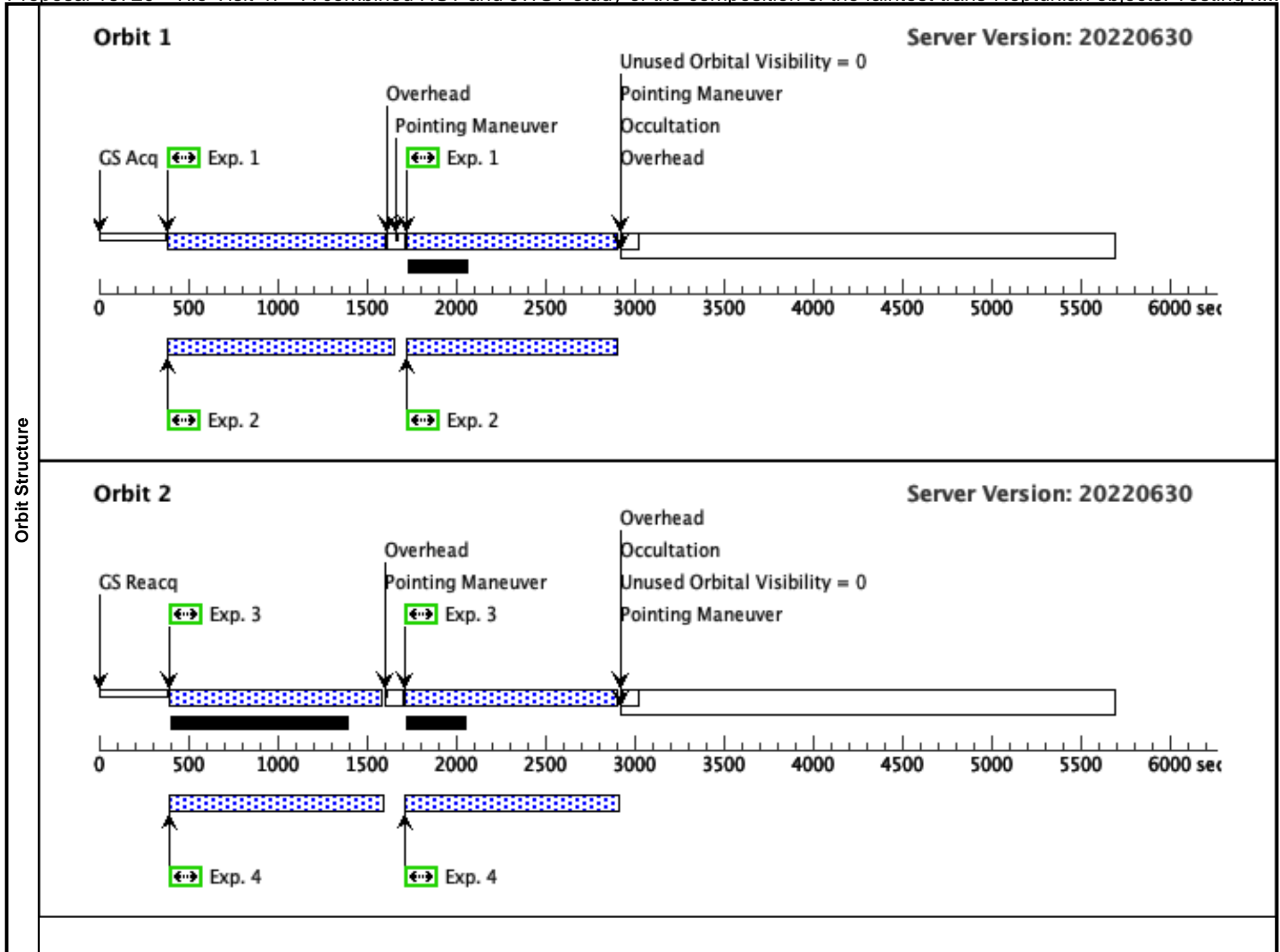
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|--|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 1-2 in Tile Visit 47 (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile Visit 47 | 1186 Secs (2372 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile Visit 47 (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile Visit 47 | 1060 Secs (2120 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 3-4 in Tile Visit 47 (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile Visit 47 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile Visit 47 (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile Visit 47 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 5-6 in Tile Visit 47 (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile Visit 47 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile Visit 47 (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile Visit 47 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 7-8 in Tile Visit 47 (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile Visit 47 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile Visit 47 (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile Visit 47 | 1072 Secs (2144 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 9-10 in Tile Visit 47 (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile Vis it 47 | 1197 Secs (2394 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [5] |

Proposal 16720 - Tile Visit 47 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

| | | | | | | | |
|----|------------------------|------------------------|--------|--|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile Visit 47 (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile Vis it 47 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 11-1 2 in Tile Visit 47 (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile Visit 47 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile Visit 47 (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile Visit 47 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 13-1 4 in Tile Visit 47 (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile Visit 47 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile Visit 47 (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile Visit 47 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 15-1 6 in Tile Visit 47 (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile Visit 47 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile Visit 47 (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile Visit 47 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 17-1 8 in Tile Visit 47 (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile Visit 47 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-1 8 in Tile Visit 47 (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile Visit 47 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

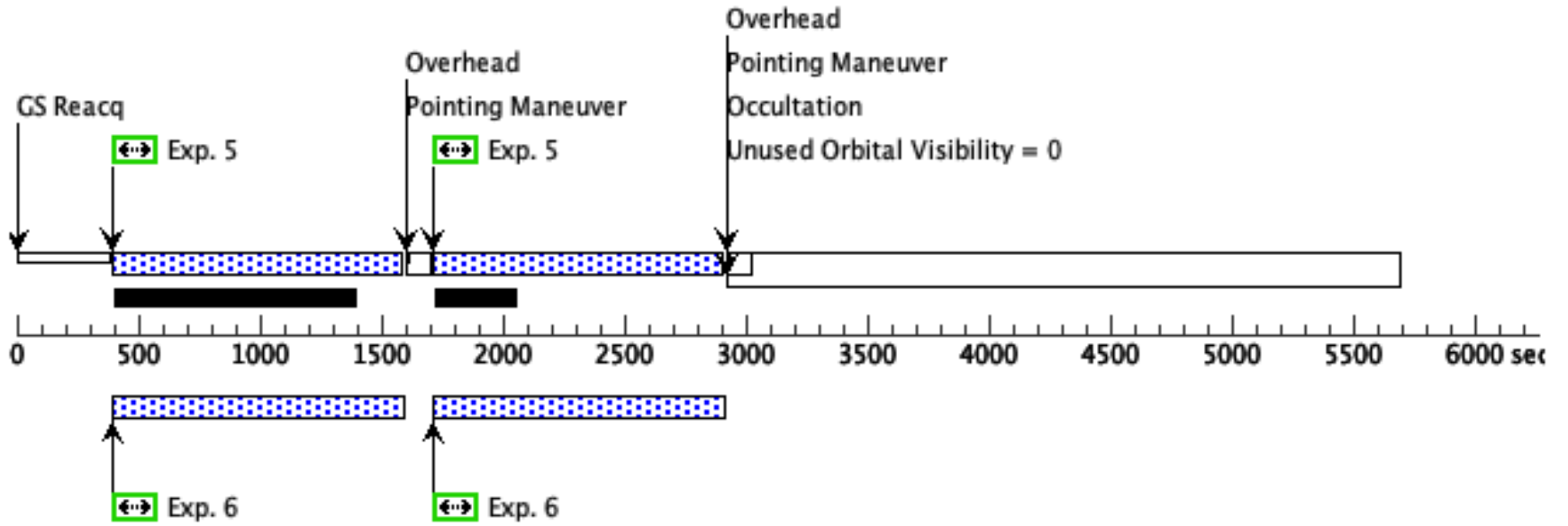
Proposal 16720 - Tile Visit 47 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

| | | | | | | | |
|----|------------------------|------------------------|--------|--|---|-----------------------|------|
| 19 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 19-20 in Tile Visit 47 (1) Prime + Parallel Group 19-20 in Pattern 1 , Exps 19-20 in Tile Visit 47 | 1197 Secs (2394 Secs) | |
| | | | | | | [==>(Pattern 1)] | [10] |
| 20 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 19-20 in Tile Visit 47 (1) Prime + Parallel Group 19-20 in Pattern 1 , Exps 19-20 in Tile Visit 47 | 1072 Secs (2144 Secs) | |
| | | | | | | [==>(Pattern 1)] | [10] |
| 21 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -155.21 9769421191,271.584 6583858471 | Pattern 1, Exps 21-22 in Tile Visit 47 (1) Prime + Parallel Group 21-22 in Pattern 1 , Exps 21-22 in Tile Visit 47 | 1197 Secs (2394 Secs) | |
| | | | | | | [==>(Pattern 1)] | [11] |
| 22 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 21-22 in Tile Visit 47 (1) Prime + Parallel Group 21-22 in Pattern 1 , Exps 21-22 in Tile Visit 47 | 1072 Secs (2144 Secs) | |
| | | | | | | [==>(Pattern 1)] | [11] |



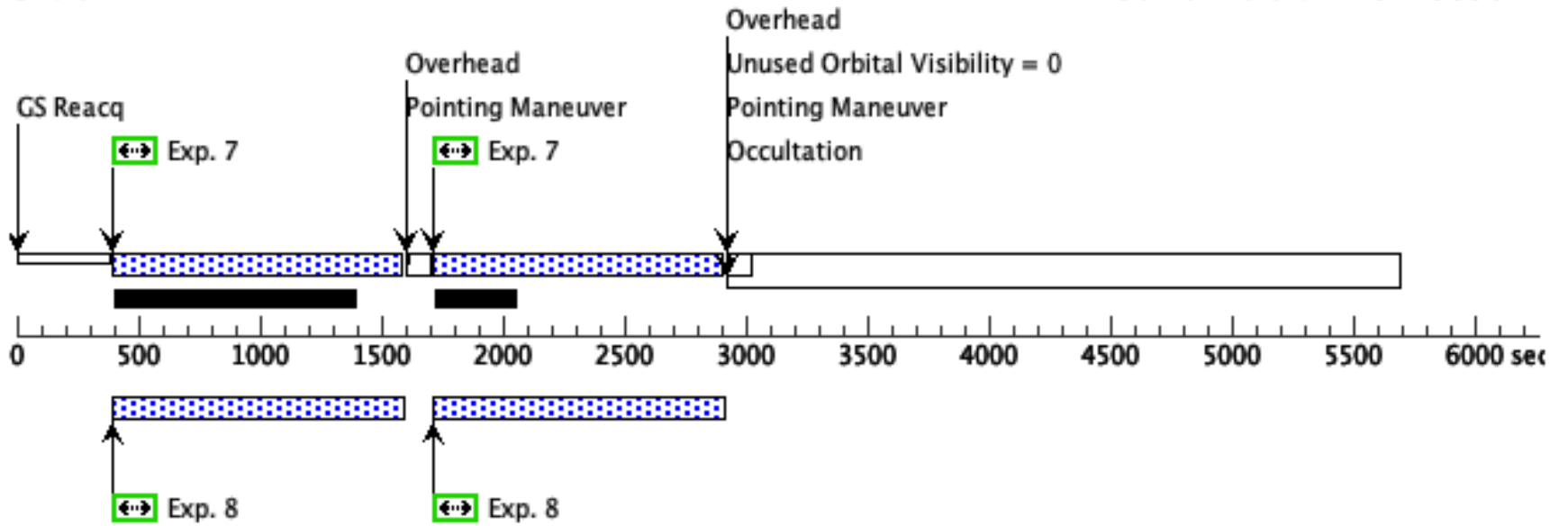
Orbit 3

Server Version: 20220630



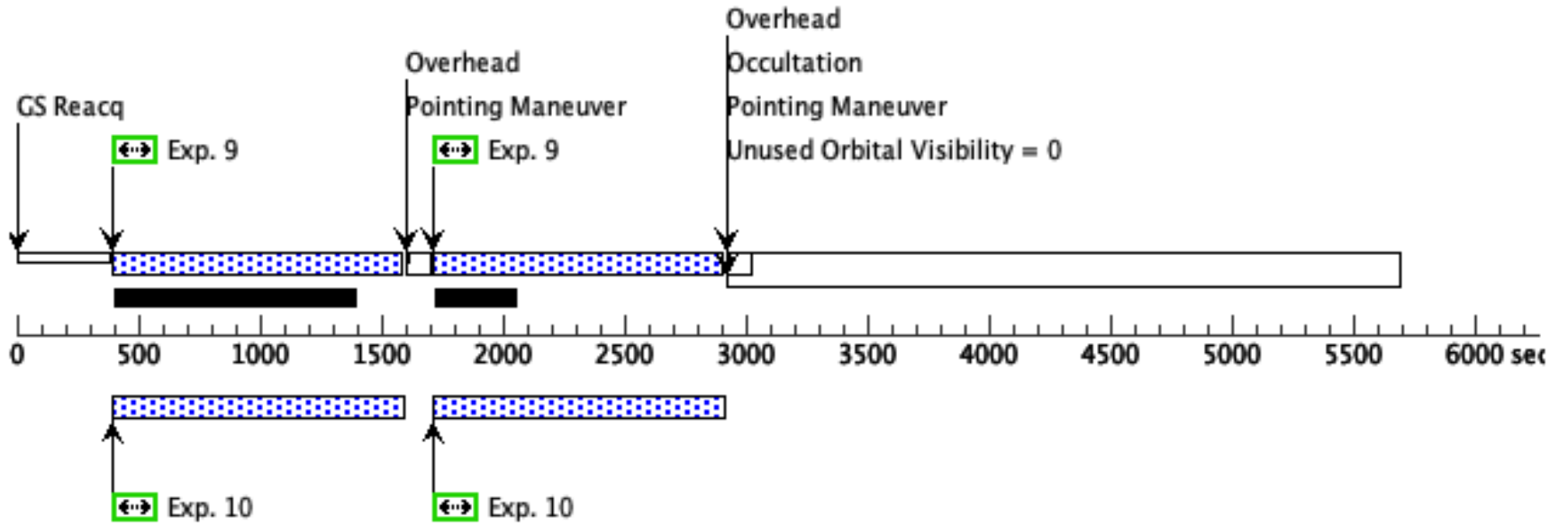
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Server Version: 20220630



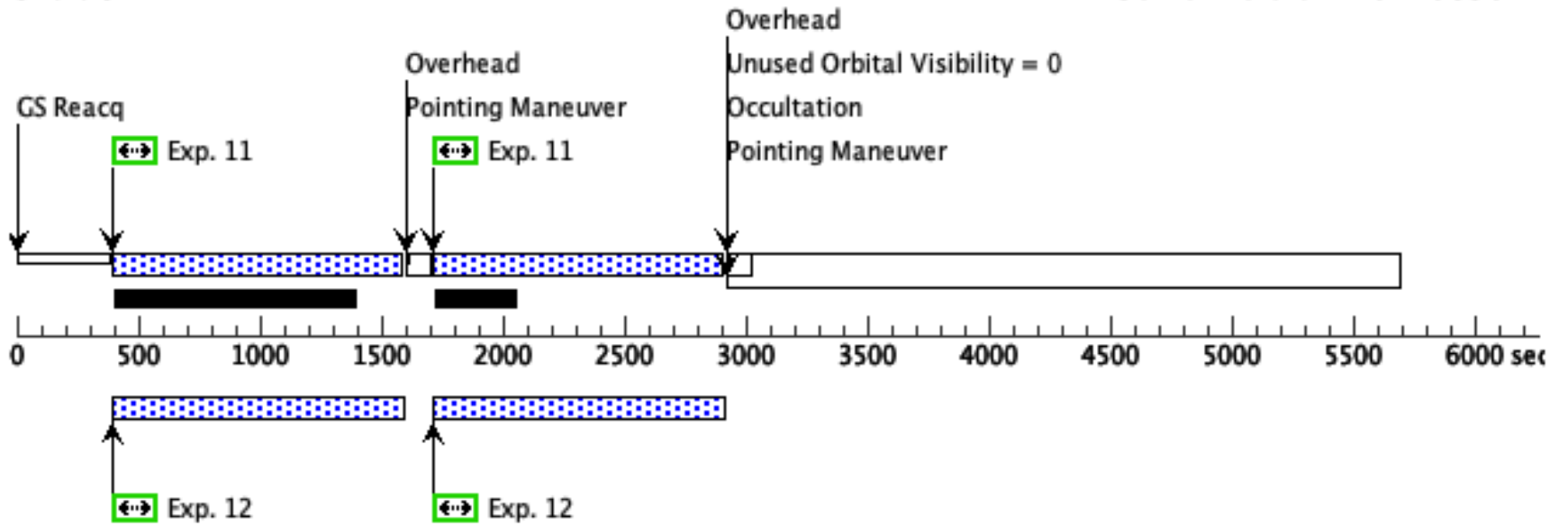
Orbit 5

Server Version: 20220630



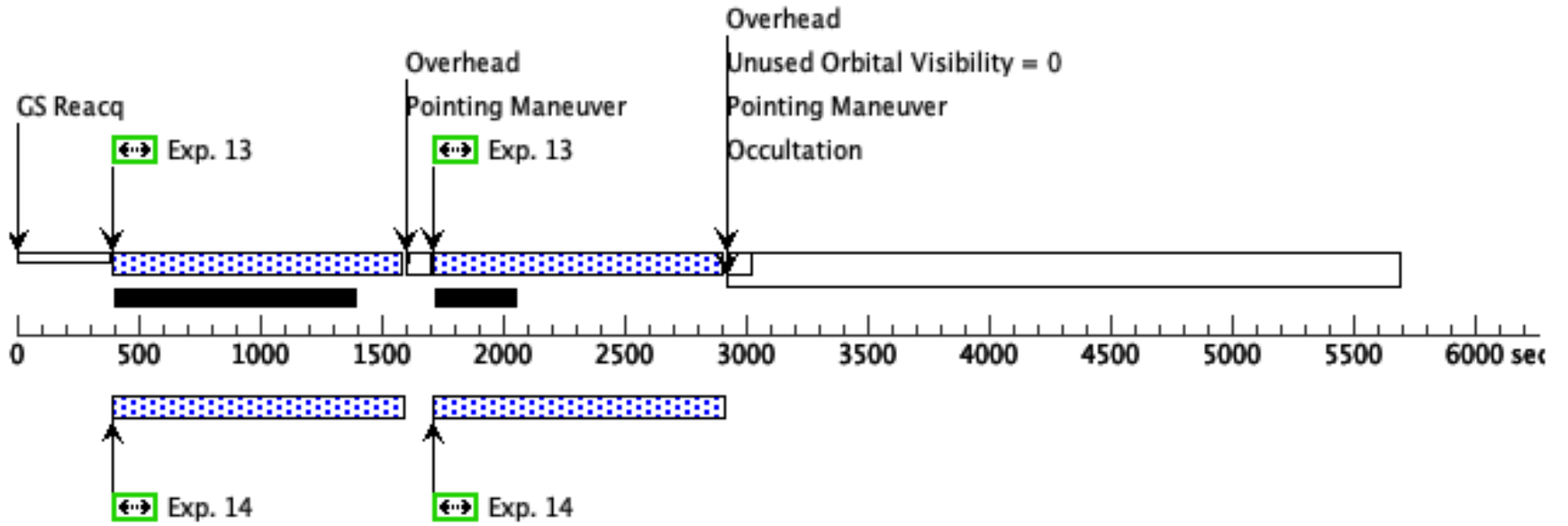
Orbit 6

Server Version: 20220630



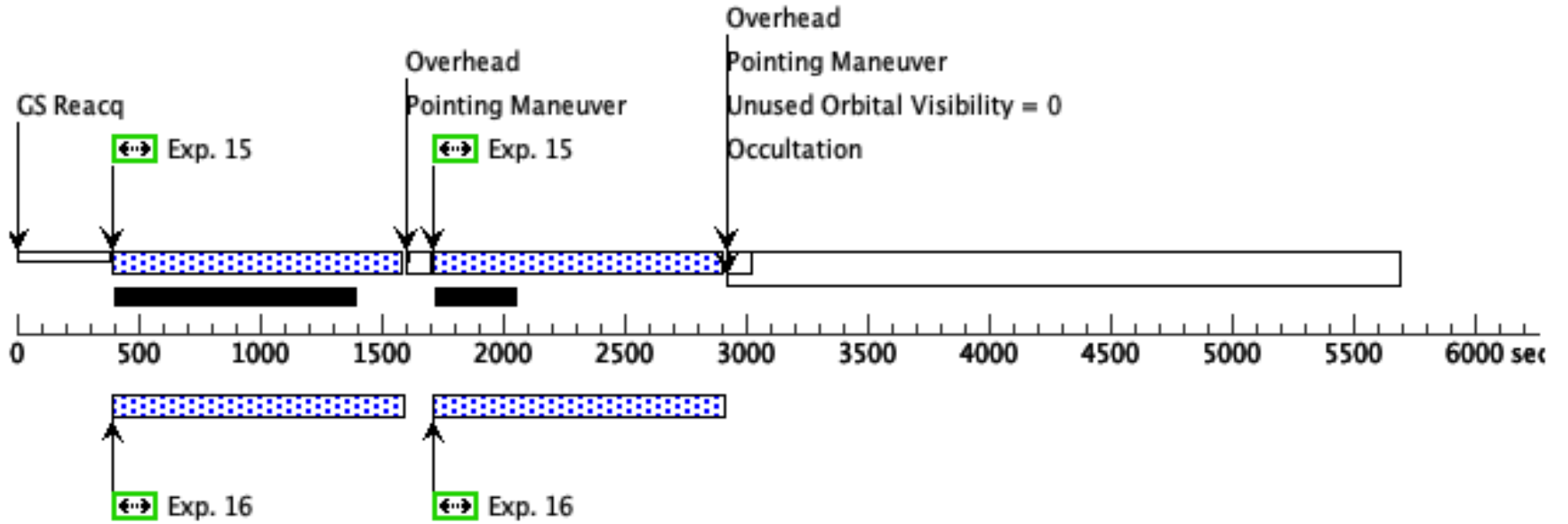
Orbit 7

Server Version: 20220630



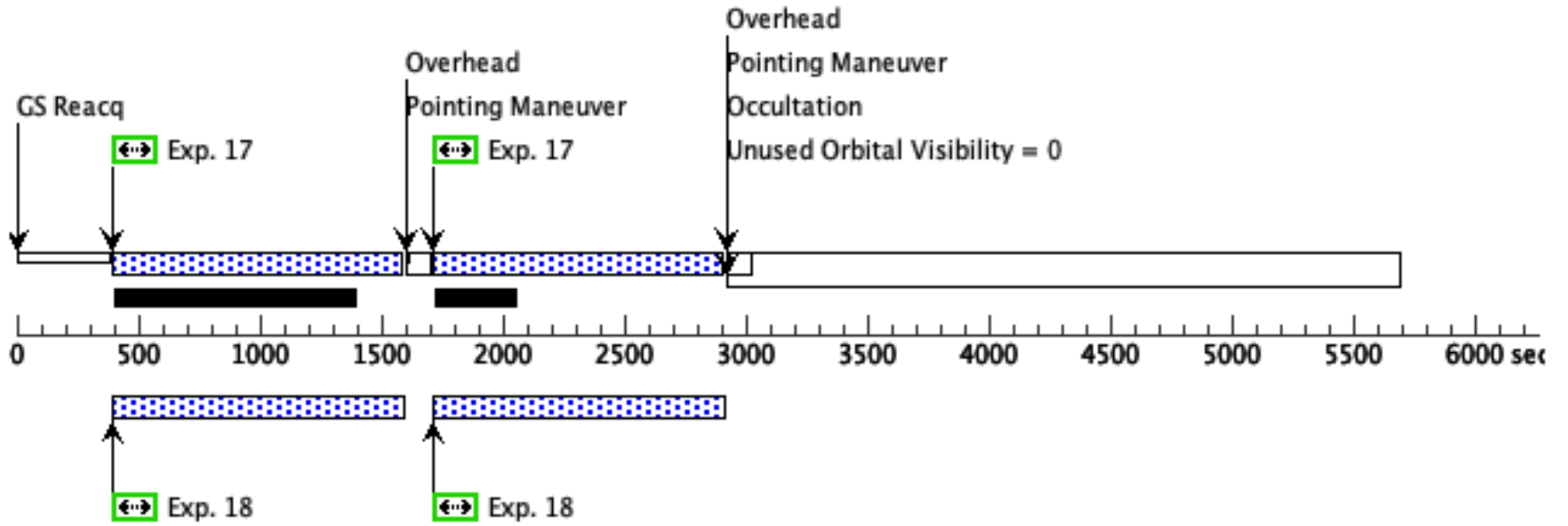
Orbit 8

Server Version: 20220630



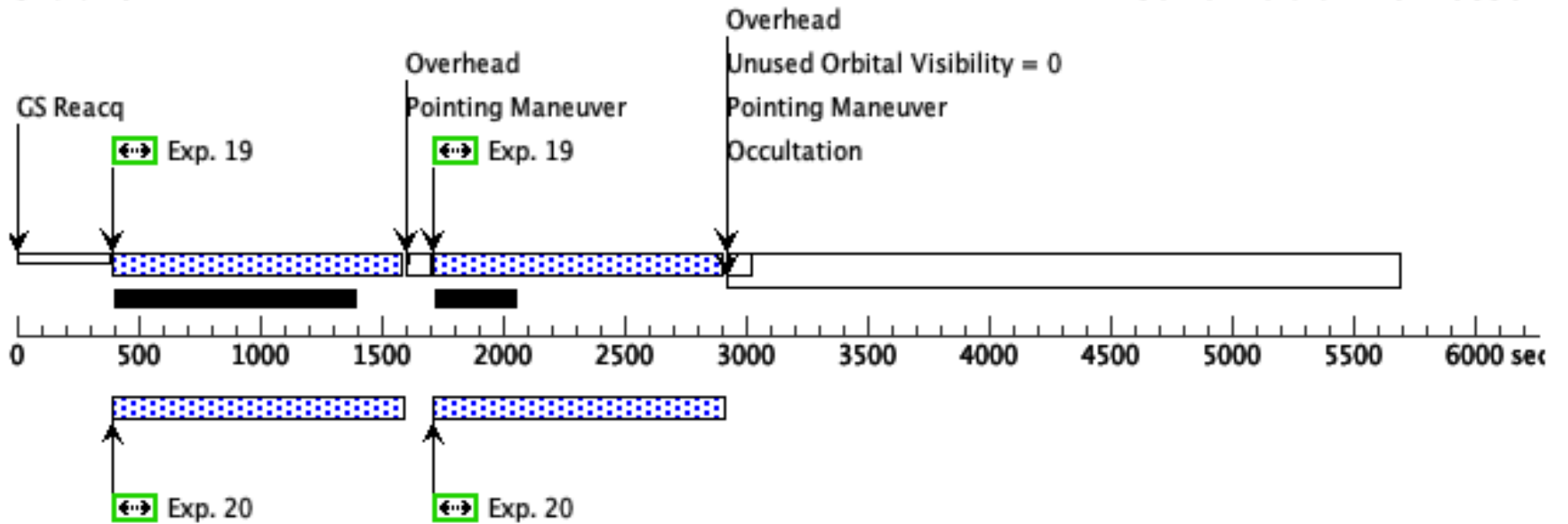
Orbit 9

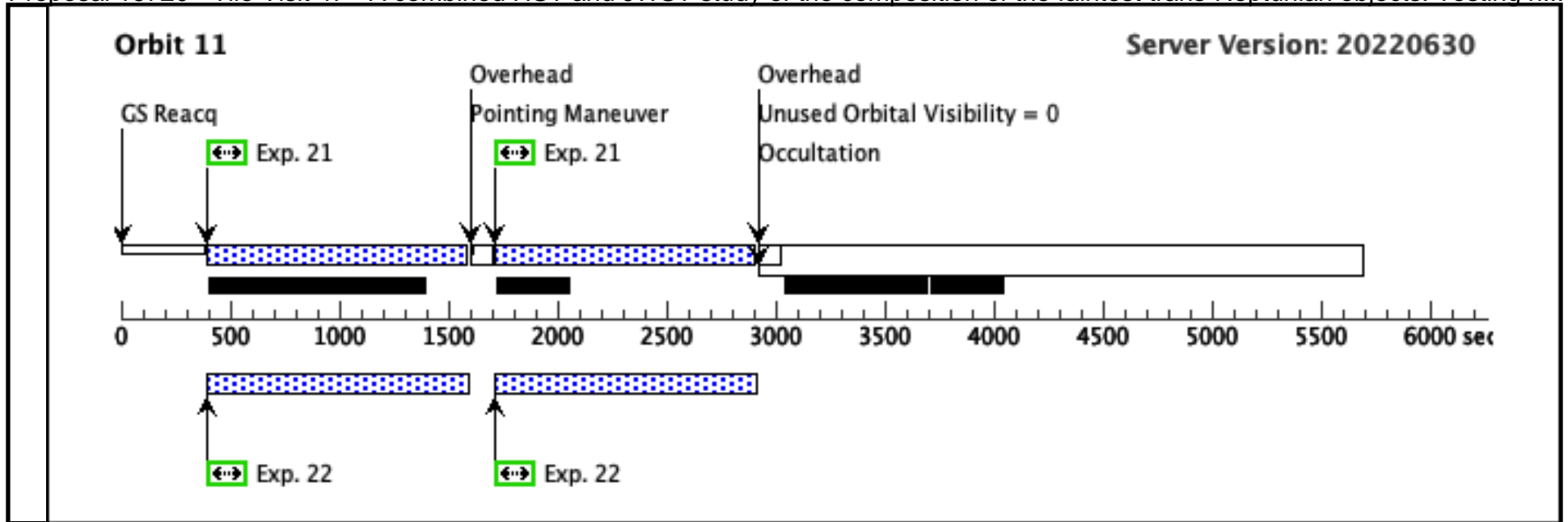
Server Version: 20220630



Orbit 10

Server Version: 20220630





Proposal 16720 - Tile Visit 48 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

Wed Dec 21 01:01:19 GMT 2022

| Visit | Proposal 16720, Tile Visit 48, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SCHED 100%; SAME ORIENT AS 45 | | | | | | | | | | | | | | | |
|---|--|--|--|--------------------------|--------------------------|---------------|--|-----|--|--|--|-------|-----------------------|--|--|--|
| | (Tile Visit 48) Warning (Orbit Planner): LONG SU LIKELY TO INTERSECT THE SAA (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 48) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE | | | | | | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Patterns | <table border="1"> <thead> <tr> <th>#</th> <th>Primary Pattern</th> <th>Secondary Pattern</th> <th>Exposures</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td> Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false </td> <td></td> <td>(1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22)</td> </tr> </tbody> </table> | # | Primary Pattern | Secondary Pattern | Exposures | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | |
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | | | | | | | |
| (1) | Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1-2), (3-4), (5-6), (7-8), (9-10), (11-12), (13-14), (15-16), (17-18), (19-20), (21-22) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 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>ECLIPTIC-RA12H</td> <td> RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 </td> <td></td> <td>V=0.0</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | |
| (2) | ECLIPTIC-RA12H | RA: 13 57 25.8744 (209.3578100d) Dec: -10 51 29.08 (-10.85808d) Equinox: J2000 | | V=0.0 | Reference Frame: ICRS | | | | | | | | | | | |
| Comments: Category=SOLAR SYSTEM Description=[OTHER] | | | | | | | | | | | | | | | | |

Proposal 16720 - Tile Visit 48 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

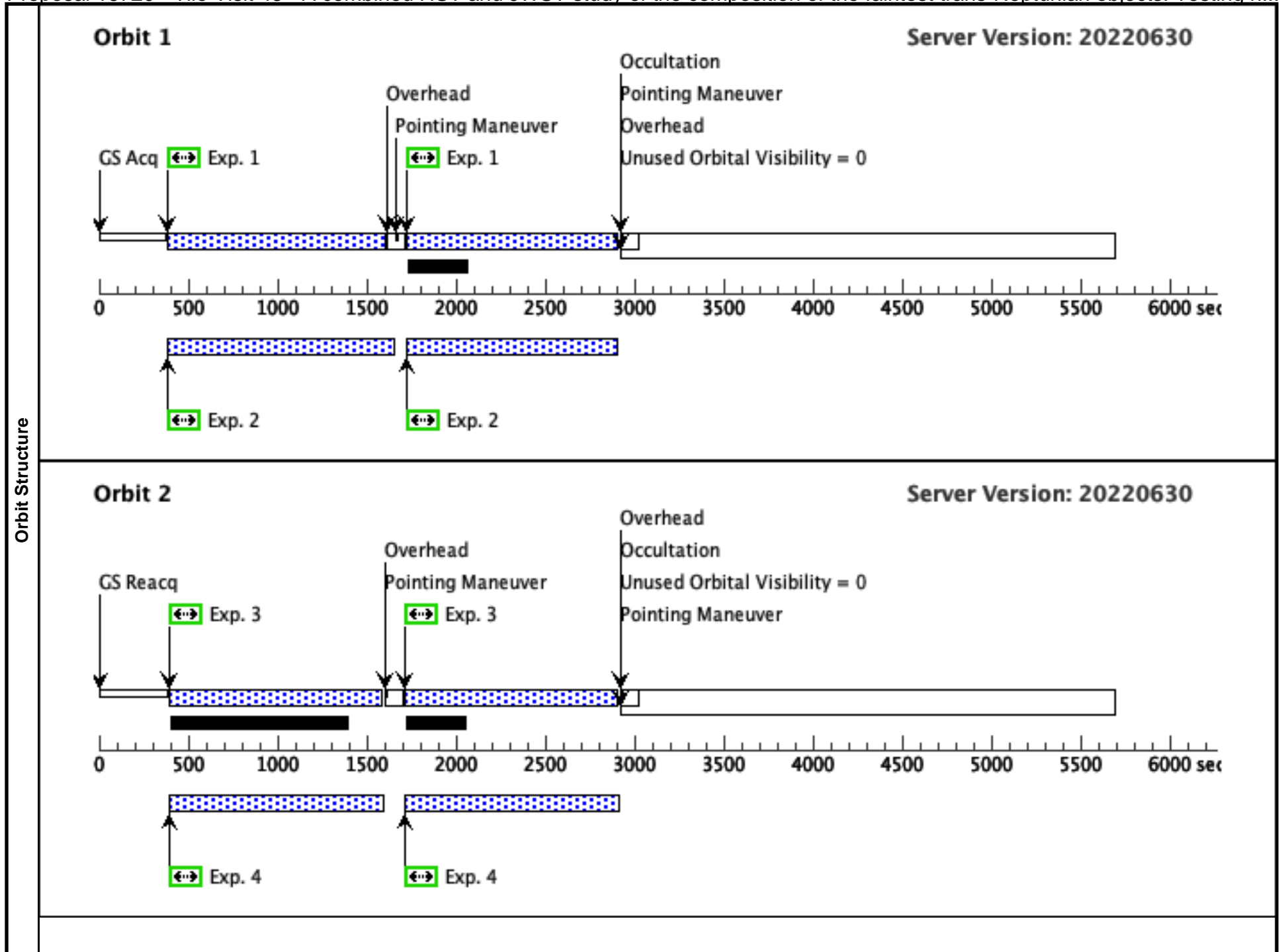
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|-------|------------------------|------------------------|---------------|--------------|---|---|---|-------|
| Exposures | 1 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 1-2 in Tile Visit 48 (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile Visit 48 | 1186 Secs (2372 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| | 2 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 1-2 in Tile Visit 48 (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in Tile Visit 48 | 1060 Secs (2120 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| | 3 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 3-4 in Tile Visit 48 (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile Visit 48 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [2] |
| | 4 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 3-4 in Tile Visit 48 (1) Prime + Parallel Gro up 3-4 in Pattern 1, E xps 3-4 in Tile Visit 48 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [2] |
| | 5 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 5-6 in Tile Visit 48 (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile Visit 48 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [3] |
| | 6 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 5-6 in Tile Visit 48 (1) Prime + Parallel Gro up 5-6 in Pattern 1, E xps 5-6 in Tile Visit 48 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [3] |
| | 7 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 7-8 in Tile Visit 48 (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile Visit 48 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [4] |
| | 8 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | | Pattern 1, Exps 7-8 in Tile Visit 48 (1) Prime + Parallel Gro up 7-8 in Pattern 1, E xps 7-8 in Tile Visit 48 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [4] |
| | 9 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 9-10 in Tile Visit 48 (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile Vis it 48 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |

Proposal 16720 - Tile Visit 48 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

| | | | | | | | |
|----|------------------------|------------------------|--------|---|---|---|-----|
| 10 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 9-10 in Tile Visit 48 (1) Prime + Parallel Gro up 9-10 in Pattern 1, Exps 9-10 in Tile Vis it 48 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [5] |
| 11 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 11-1 2 in Tile Visit 48 (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile Visit 48 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 12 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 11-1 2 in Tile Visit 48 (1) Prime + Parallel Gro up 11-12 in Pattern 1 , Exps 11-12 in Tile Visit 48 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [6] |
| 13 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 13-1 4 in Tile Visit 48 (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile Visit 48 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 14 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 13-1 4 in Tile Visit 48 (1) Prime + Parallel Gro up 13-14 in Pattern 1 , Exps 13-14 in Tile Visit 48 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [7] |
| 15 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 15-1 6 in Tile Visit 48 (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile Visit 48 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 16 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 15-1 6 in Tile Visit 48 (1) Prime + Parallel Gro up 15-16 in Pattern 1 , Exps 15-16 in Tile Visit 48 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [8] |
| 17 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -84.113 27892982985,437.27 61323110234 | Pattern 1, Exps 17-1 8 in Tile Visit 48 (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile Visit 48 | 1197 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |
| 18 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 17-1 8 in Tile Visit 48 (1) Prime + Parallel Gro up 17-18 in Pattern 1 , Exps 17-18 in Tile Visit 48 | 1072 Secs (2144 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [9] |

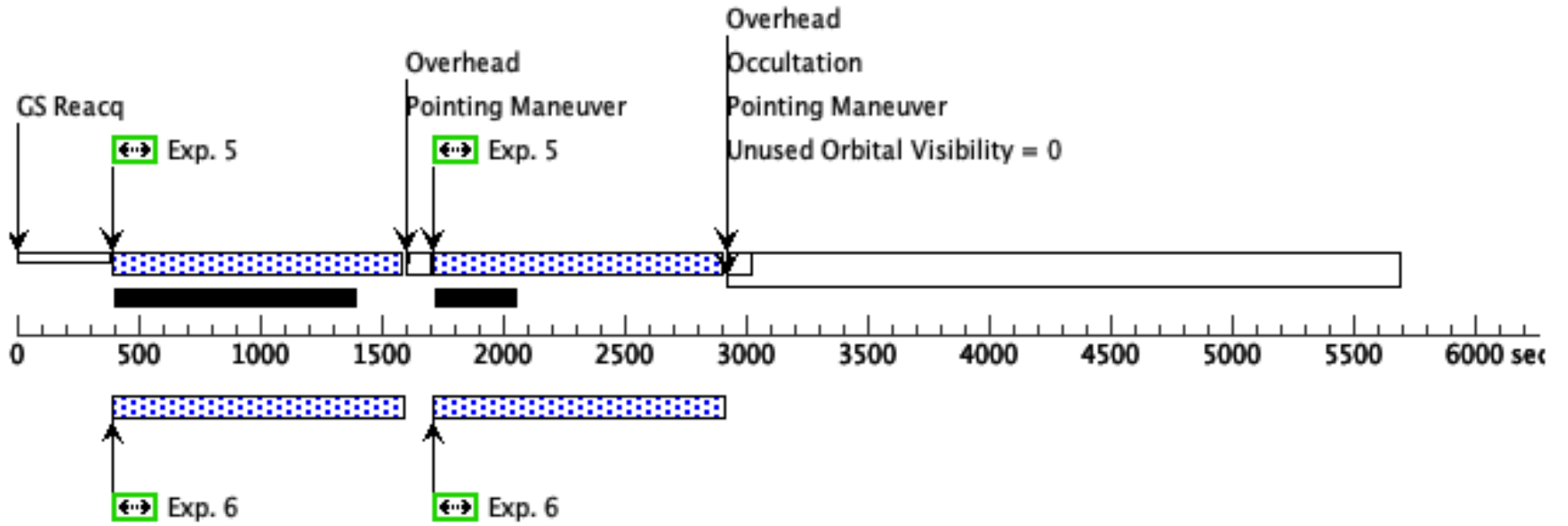
Proposal 16720 - Tile Visit 48 - A combined HST and JWST study of the composition of the faintest trans-Neptunian objects: Testing h...

| | | | | | | | |
|----|------------------------|------------------------|--------|---|---|-----------------------|------|
| 19 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -84.113 27892982985.437.27 61323110234 | Pattern 1, Exps 19-2 0 in Tile Visit 48 (1) Prime + Parallel Gro up 19-20 in Pattern 1 , Exps 19-20 in Tile Visit 48 | 1197 Secs (2394 Secs) | |
| | | | | | | [==>(Pattern 1)] | [10] |
| 20 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 19-2 0 in Tile Visit 48 (1) Prime + Parallel Gro up 19-20 in Pattern 1 , Exps 19-20 in Tile Visit 48 | 1072 Secs (2144 Secs) | |
| | | | | | | [==>(Pattern 1)] | [10] |
| 21 | (2) ECLIPTIC-RA12 H | WFC3/UVIS, ACCUM, UVIS | F350LP | POS TARG -84.113 27892982985.437.27 61323110234 | Pattern 1, Exps 21-2 2 in Tile Visit 48 (1) Prime + Parallel Gro up 21-22 in Pattern 1 , Exps 21-22 in Tile Visit 48 | 1197 Secs (2394 Secs) | |
| | | | | | | [==>(Pattern 1)] | [11] |
| 22 | (2) ECLIPTIC-RA12 H | ACS/WFC, ACCUM, WFC | F814W | | Pattern 1, Exps 21-2 2 in Tile Visit 48 (1) Prime + Parallel Gro up 21-22 in Pattern 1 , Exps 21-22 in Tile Visit 48 | 1072 Secs (2144 Secs) | |
| | | | | | | [==>(Pattern 1)] | [11] |



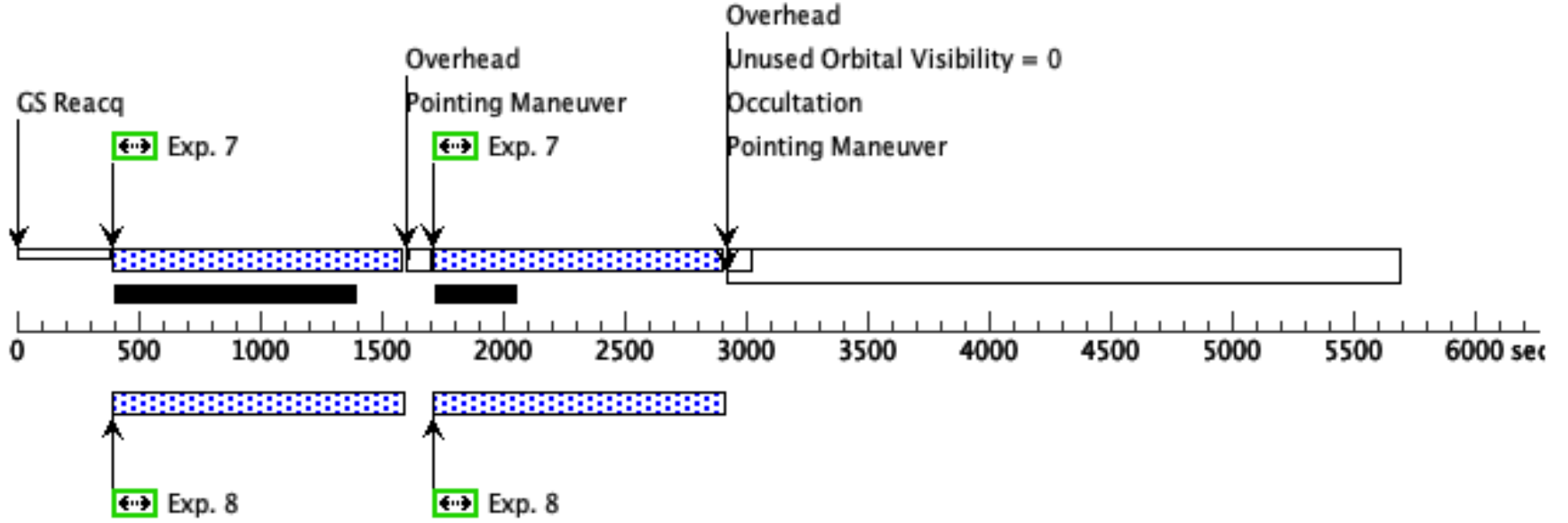
Orbit 3

Server Version: 20220630



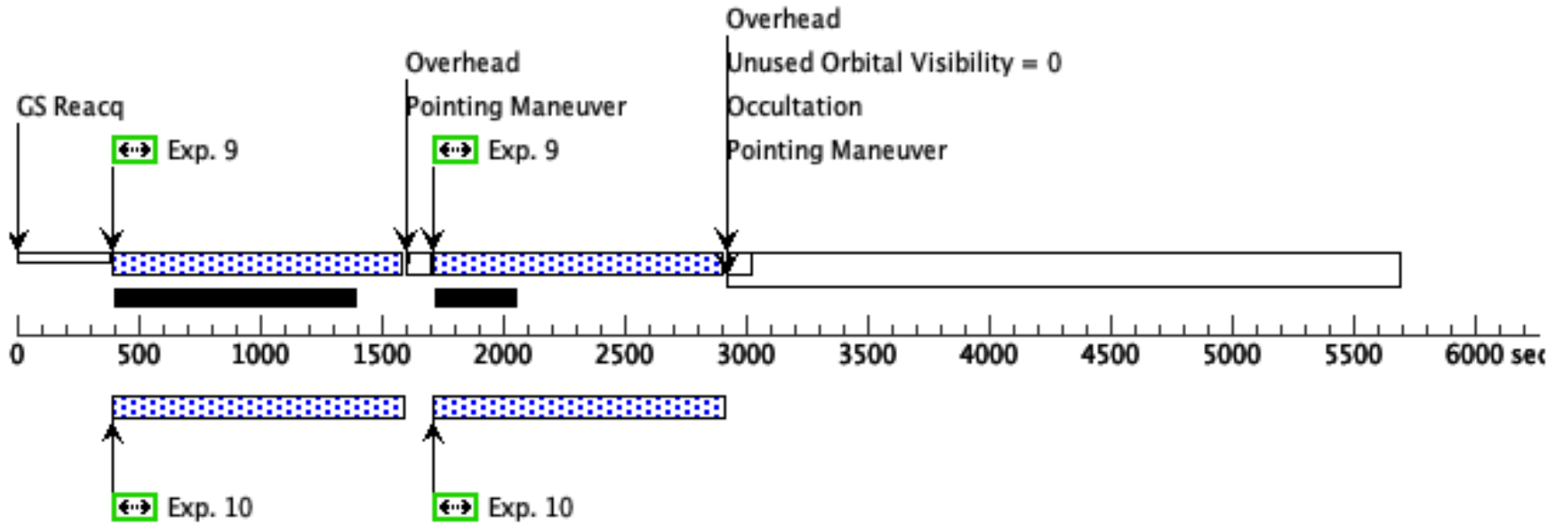
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Server Version: 20220630



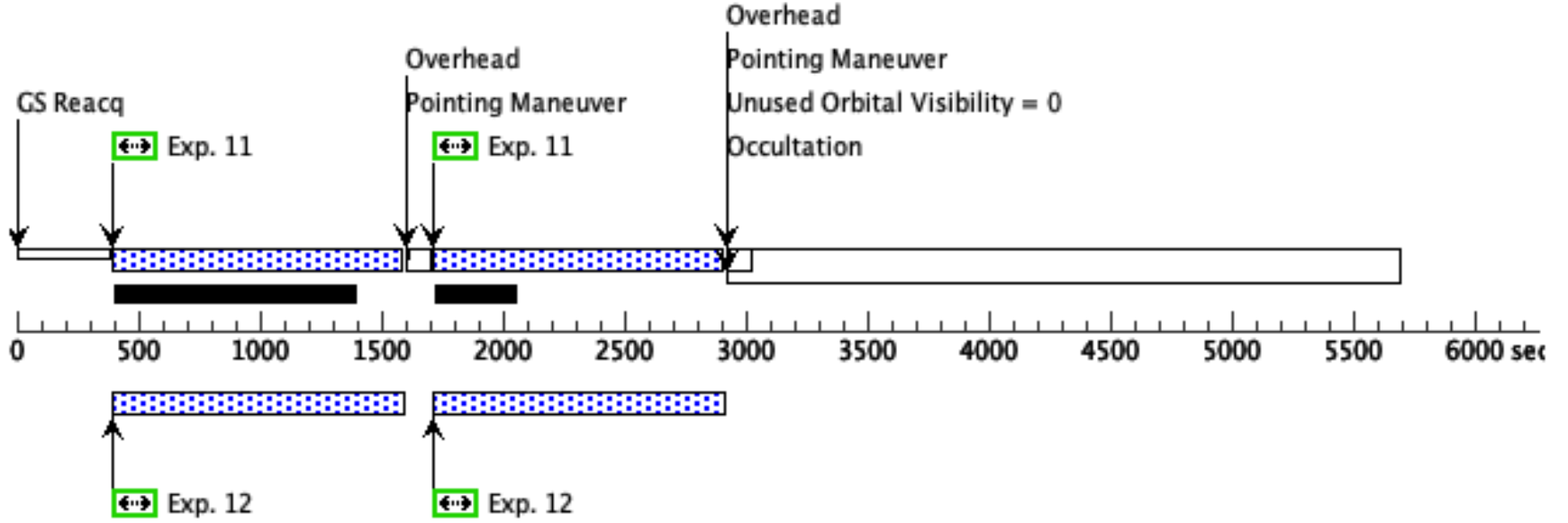
Orbit 5

Server Version: 20220630



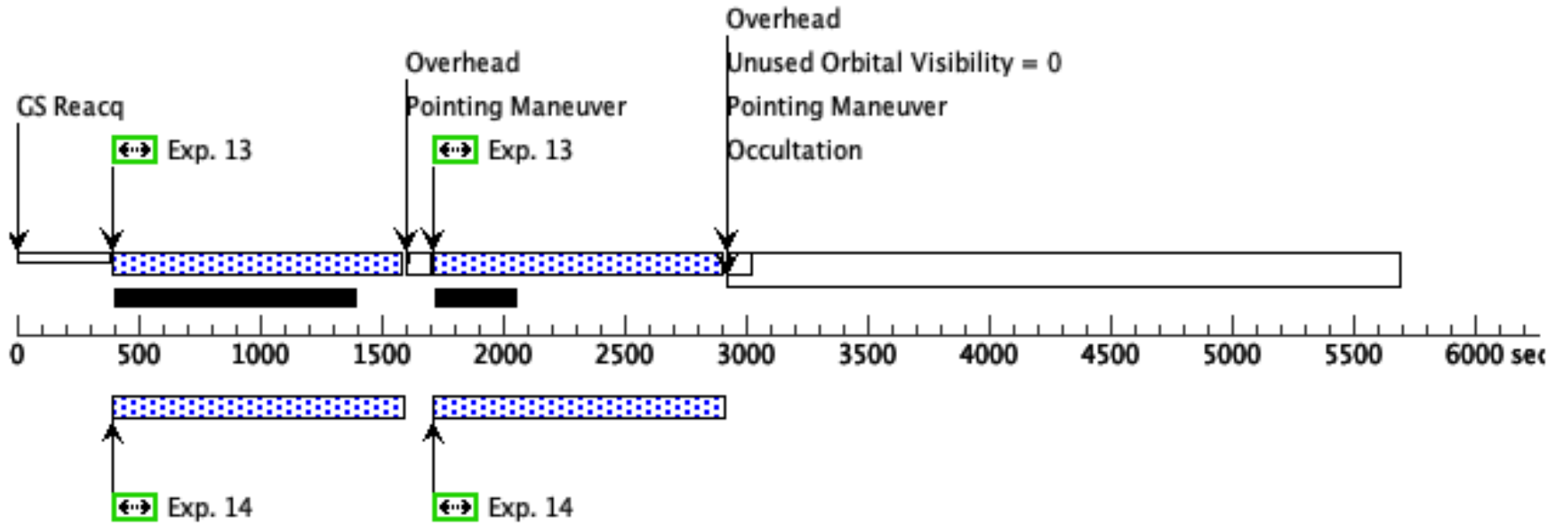
Orbit 6

Server Version: 20220630



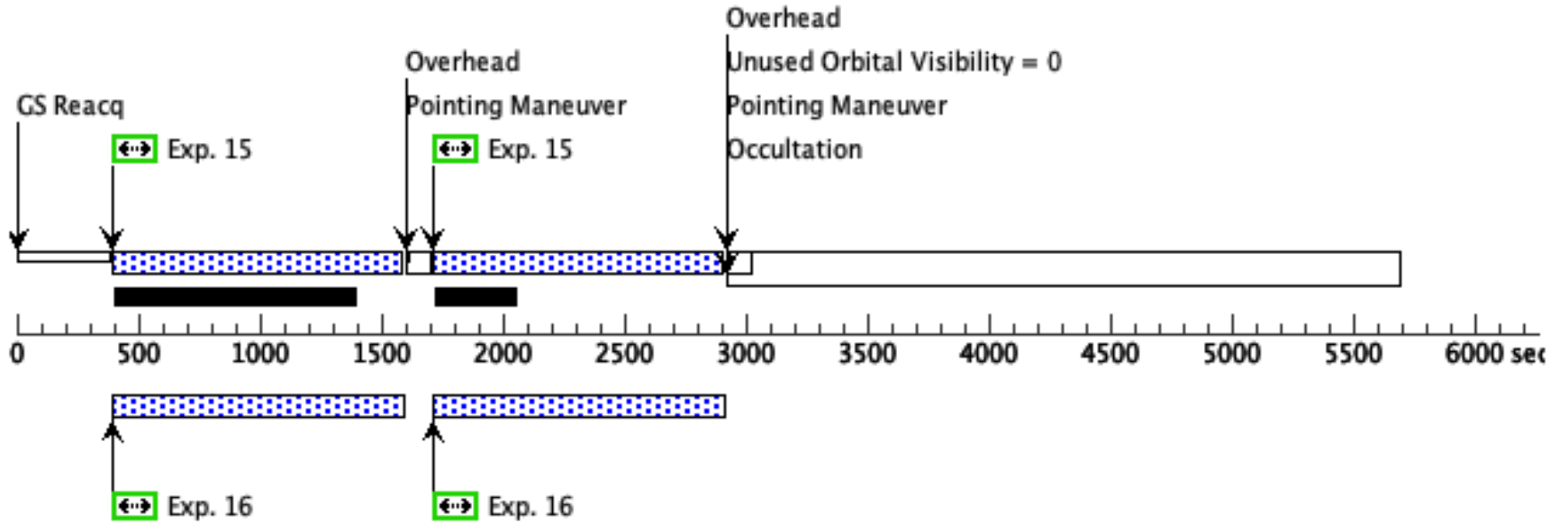
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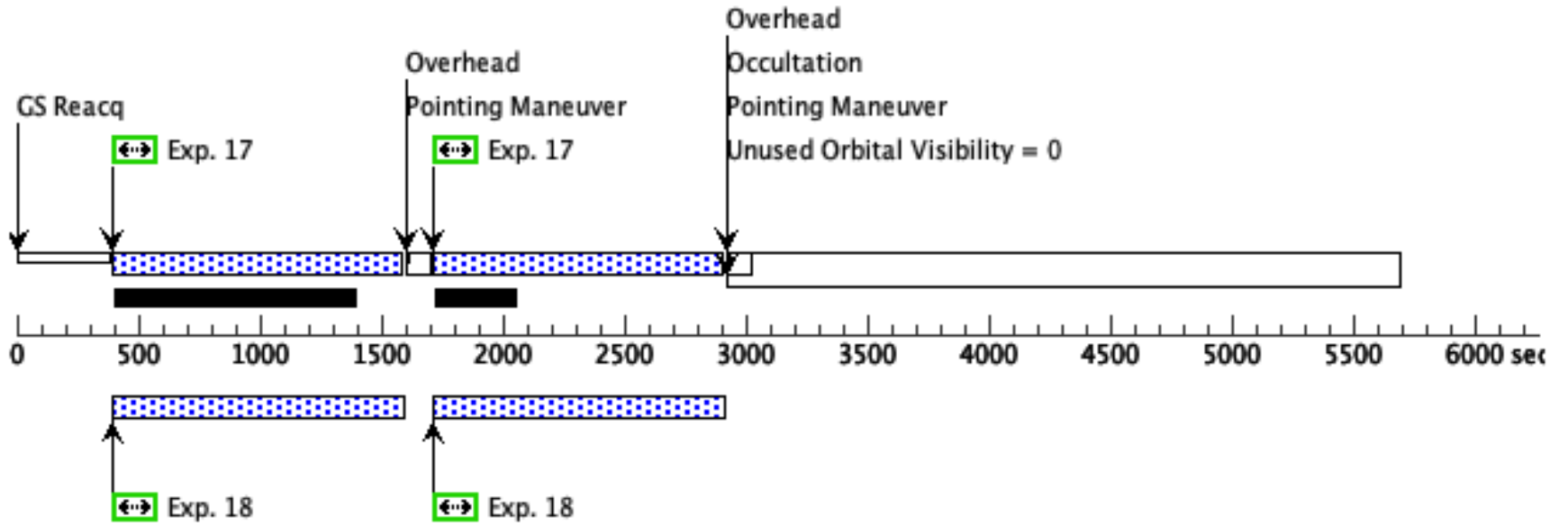
Orbit 8

Server Version: 20220630



Orbit 9

Server Version: 20220630



Orbit 10

Server Version: 20220630

