



18139 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Planet Formation

Cycle: 33, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> |
|---|---|
| Lillian Yushu Jiang (PI) (Contact) | University of California - Santa Barbara |
| Dr. Brendan Bowler (CoI) (CoPI) | University of California - Santa Barbara |
| Dr. Yifan Zhou (CoI) | The University of Virginia |
| Claire Finley (CoI) | University of Texas at Austin |

VISITS

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|-------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 01 | (1) TAURUS-2MASS-J04314964+2322524 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:33.0 | yes |
| 02 | (2) TAURUS-2MASS-J05044950+2510187 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:34.0 | yes |
| 03 | (3) TAURUS-2MASS-J04373705+2331080 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:35.0 | yes |
| 04 | (4) TAURUS-UGCS-J043506.95+230750.6 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:36.0 | yes |
| 05 | (5) TAURUS-2MASS-J04195040+2820485 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:38.0 | yes |
| 06 | (6) TAURUS-UGCS-J050418.06+242302.3 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:39.0 | yes |

Proposal 18139 (STScI Edit Number: 0, Created: Thursday, August 14, 2025, 8:02:04AM Eastern Standard Time) - Overview

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|-------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 07 | (7) TAURUS-UGCS-J042201.36+265512.1 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:40.0 | yes |
| 08 | (8) TAURUS-UGCS-J043354.07+225119.1 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:41.0 | yes |
| 09 | (9) TAURUS-UGCS-J043328.47+175833.0 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:42.0 | yes |
| 10 | (10) TAURUS-2MASS-J04144158+2809583 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:43.0 | yes |
| 11 | (11) USCO-DANCE-J16140756-2211524 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:44.0 | yes |
| 12 | (12) USCO-UGCS-J160420.42-213452.8 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:45.0 | yes |
| 13 | (13) USCO-UGCS-J161512.68-222949.0 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:46.0 | yes |
| 14 | (14) USCO-UGCS-J160918.67-222923.8 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:47.0 | yes |
| 15 | (15) USCO-UGCS-J160731.61-214654.4 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:49.0 | yes |
| 16 | (16) USCO-UGCS-J161144.36-221544.4 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:50.0 | yes |
| 17 | (17) USCO-DANCE-J16053908-2403330 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:51.0 | yes |
| 18 | (18) USCO-UGCS-J160413.03-224103.2 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:52.0 | yes |
| 19 | (19) USCO-UGCS-J160200.00-205733.9 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:53.0 | yes |
| 20 | (20) USCO-UGCS-J155150.24-213457.2 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:54.0 | yes |
| 21 | (21) BPMG-2MASS-J21140802-2251358 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:55.0 | yes |
| 22 | (22) BPMG-CWISE-J050626.96+073842.4 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:56.0 | yes |
| 23 | (23) BPMG-2MASS-J18103569-5513435 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:57.0 | yes |
| 24 | (24) BPMG-2MASSW-J2208136+292121 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:58.0 | 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> |
|--------------|------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 25 | (25) BPMG-WISE-J225540.75-311842.0 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:59.0 | yes |
| 26 | (26) BPMG-2MASS-J07180871-6415310 | WFC3/UVIS | 2 | 14-Aug-2025 09:01:59.0 | yes |
| 27 | (27) BPMG-2MASS-J00440332+0228112 | WFC3/UVIS | 2 | 14-Aug-2025 09:02:00.0 | yes |
| 28 | (28) BPMG-CFBDS-J232304-015232 | WFC3/UVIS | 2 | 14-Aug-2025 09:02:01.0 | yes |
| 29 | (29) BPMG-2MASS-J08195820-0335266 | WFC3/UVIS | 2 | 14-Aug-2025 09:02:02.0 | yes |
| 30 | (30) BPMG-PSO-J334.1193+19.8800 | WFC3/UVIS | 2 | 14-Aug-2025 09:02:03.0 | yes |

60 Total Orbits Used

ABSTRACT

Gas accretion onto giant planets shapes their formation timescales and angular momentum transfer from circumplanetary disks, yet details of this process remain poorly understood due to the scarcity of known accreting protoplanets. For instance, it is unclear whether inner accretion disks dissipate on similar timescales as stars, what processes shape this evolution, and whether the empirical relations between emission line strength and accretion rate established for stars are valid in the planetary-mass regime. Young free-floating planetary-mass objects offer a unique opportunity to examine accretion in isolation without the influence of a host star. We propose to use WFC3/UVIS to map the evolution of accretion in the planetary-mass regime (3-13 M_{Jup}) by increasing the number of direct accretion rate measurements as traced by hot gas in the UV and H α emission by a factor of six. This program will determine the accretion fraction of isolated planetary objects in three young associations---Taurus (~1-2 Myr), Upper Sco (~5-11 Myr), and the beta Pic moving group (~26 Myr)---to trace the evolution of viscous accretion across the first 30 Myr for the largest sample of isolated planetary-mass objects to date. For accreting objects, this campaign will also calibrate the H α line luminosity-to-UV continuum excess relation in a model-independent manner at planetary masses---a critical connection needed to map ground-based H α emission of young planets into total accretion luminosity across all wavelengths.

OBSERVING DESCRIPTION

The goal of this program is to measure the slope of the blue side of the Balmer jump as a tracer of accretion continuum excess (F225W, F336W), H α emission (F656N), and the optical continuum (F625W) for 30 isolated planetary-mass objects. To model UV excess using hydrogen slab model, two UV filters shortward of 3646 Å are required to constrain the slope of the hot continuum, allowing to measure the slab's temperature and

Proposal 18139 (STScI Edit Number: 0, Created: Thursday, August 14, 2025, 8:02:04AM Eastern Standard Time) - Overview
number density.

Based on the WFC3 ETC, exposure times are selected to reach a continuum sensitivity of $\sim 10^{-19}$ erg/s/cm²/AA in the wide-band F625W filter, ensuring reliable detection of the photosphere of a ~ 10 Jupiter mass object near the H-alpha continuum. We adopt exposure times of 1800 s for F225W, 1050 s for F336W, and 450 s for F625W. The exposure time for F656N is set to 1200 s, reaching an rms sensitivity of $< 10^{-18}$ erg/s/cm²/AA comparable to the expected continuum level at 6500 AA. This ensures a high SNR detection of H-alpha emission. Several targets are known accretors with existing H-alpha detections; however, we still require F656N observations alongside UV excess measurements to avoid biases from potential variability over year-long baselines.

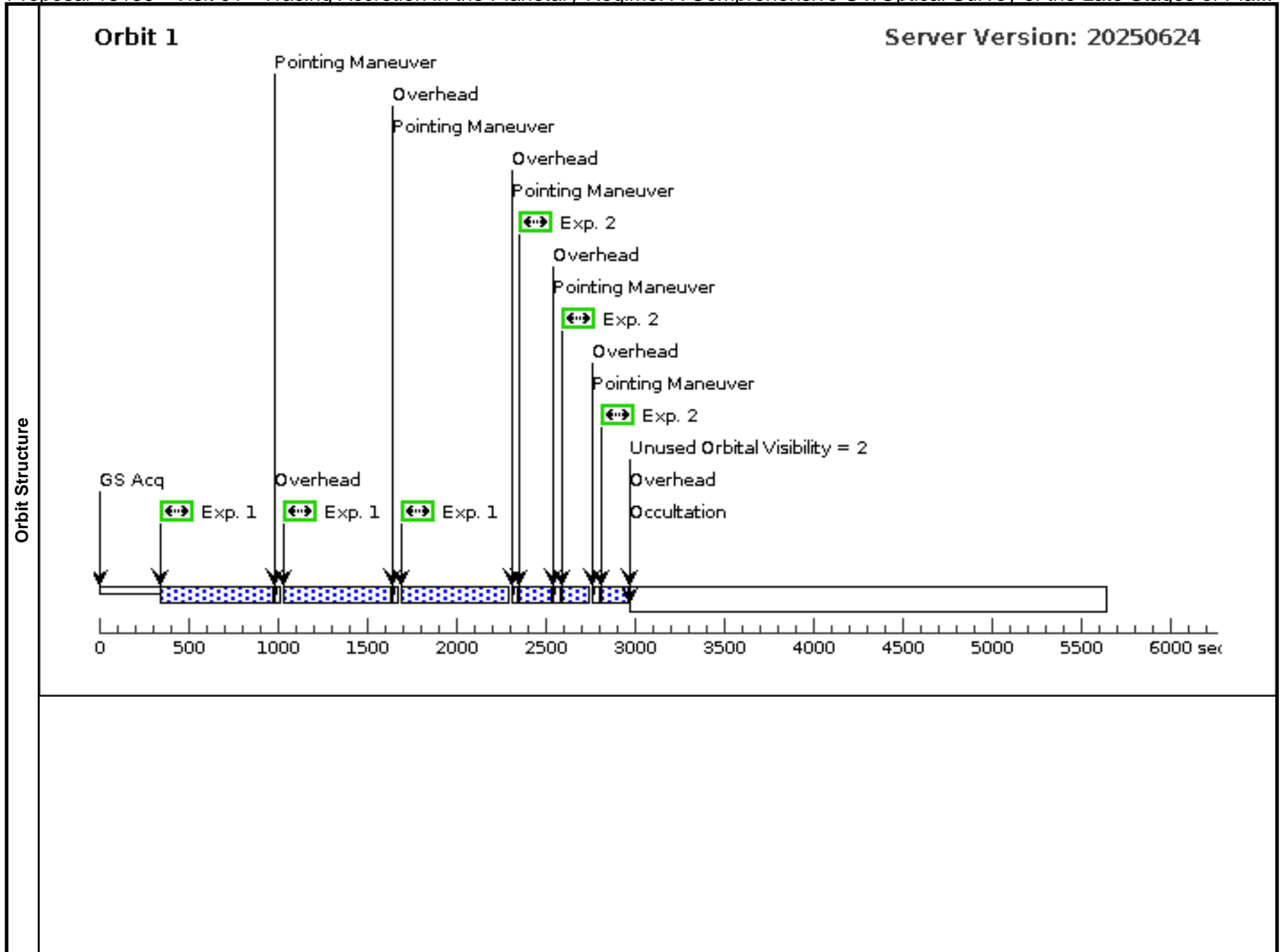
Five late-T dwarfs in the beta Pic moving group will be observed only in F336W for the UV and in F625W and F656N for the optical, providing a reliable detection or upper limit to constrain the slab model and to calibrate the H-alpha excess. For these targets, the F625W exposure time is set to 2400 s to ensure a continuum detection at 6500 AA for accurate H-alpha calibration.

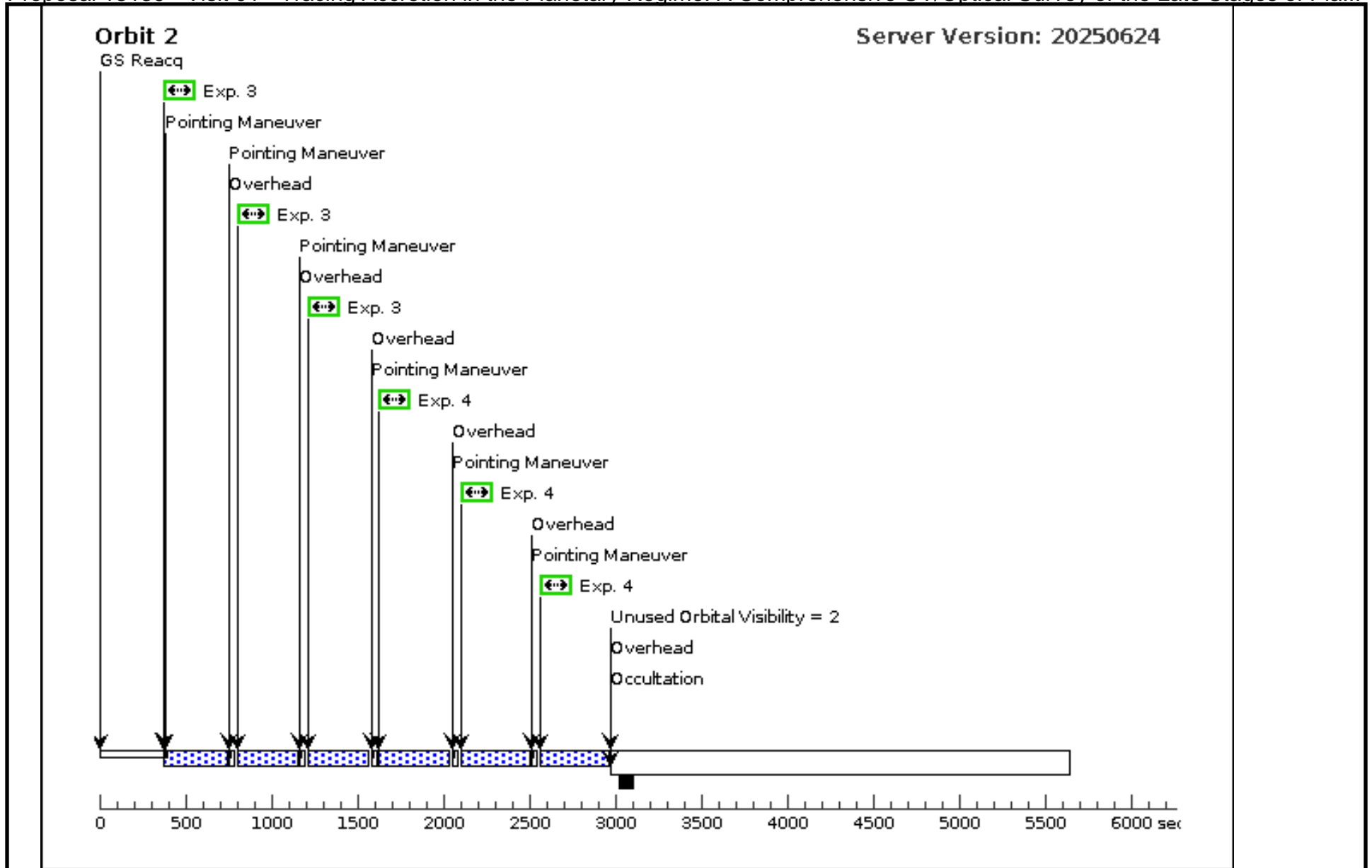
Our observation sequence is as follows: each target will be observed over two contiguous orbits--one orbit using the F225W and F625W filters, and the other using F225W and F336W--to maximize time efficiency. In total, we will use 60 orbits for this program (30 targets * 2 orbits/target). To reduce overhead and avoid long delays from buffer readouts, we will use the UVIS2-C512C-SUB subarray (512 * 512 pixels). A 3-point dither pattern (WFC3-UVIS-DITHER-LINE-3PT) will be employed to effectively mitigate cosmic rays.

Proposal 18139 - Visit 01 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:04 GMT 2025

| Visit | Proposal 18139, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|---|--|--|--------------------------|--|-----------------------|---|----------------------|---------------------------------|-------|
| | Patterns | # | Primary Pattern | | Secondary Pattern | Exposures | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (1) | TAURUS-2MASS- J04314964+2322524 | RA: 04 31 49.6495 (67.9568729d) Dec: +23 22 52.42 (23.38123d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=16.84 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) TAURUS-2MAS S-J04314964+23225 24 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 01 (1) | 600 Secs (1800 Secs) | | |
| | | | | | | | | [=>(Pattern 1)] | | |
| | | | | | | | | [=>(Pattern 2)] | [1] | |
| | | | | | | | | [=>(Pattern 3)] | | |
| | 2 | (1) TAURUS-2MAS S-J04314964+23225 24 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 01 (1) | 150 Secs (450 Secs) | | |
| | | | | | | | | [=>(Pattern 1)] | | |
| | | | | | | | | [=>(Pattern 2)] | [1] | |
| | | | | | | | | [=>(Pattern 3)] | | |
| | 3 | (1) TAURUS-2MAS S-J04314964+23225 24 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 01 (1) | 350 Secs (1050 Secs) | | |
| | | | | | | | | [=>(Pattern 1)] | | |
| | | | | | | | | [=>(Pattern 2)] | [2] | |
| | | | | | | | | [=>(Pattern 3)] | | |
| | 4 | (1) TAURUS-2MAS S-J04314964+23225 24 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 01 (1) | 400 Secs (1200 Secs) | | |
| | | | | | | | | [=>(Pattern 1)] | | |
| | | | | | | | | [=>(Pattern 2)] | [2] | |
| | | | | | | | | [=>(Pattern 3)] | | |

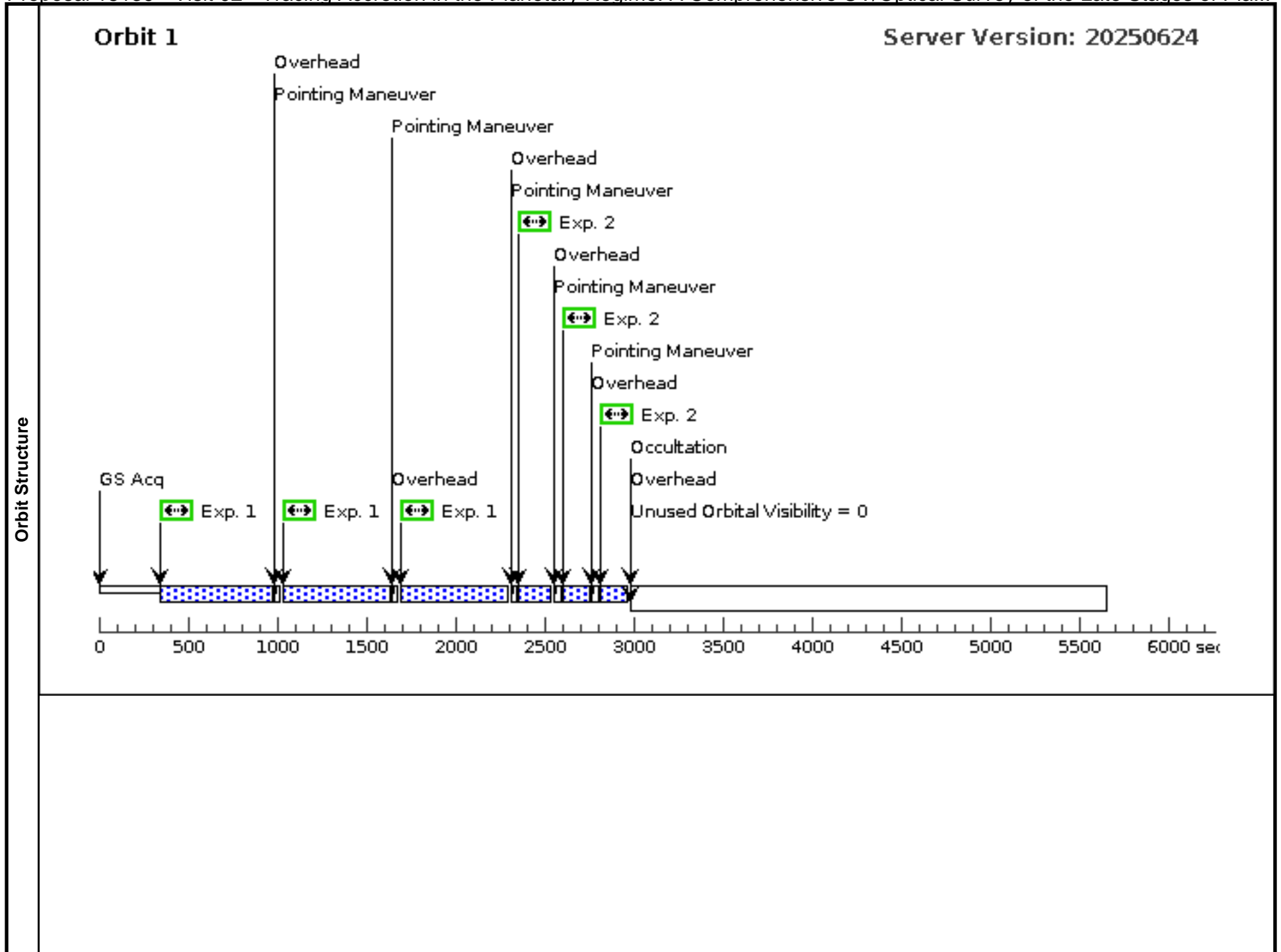


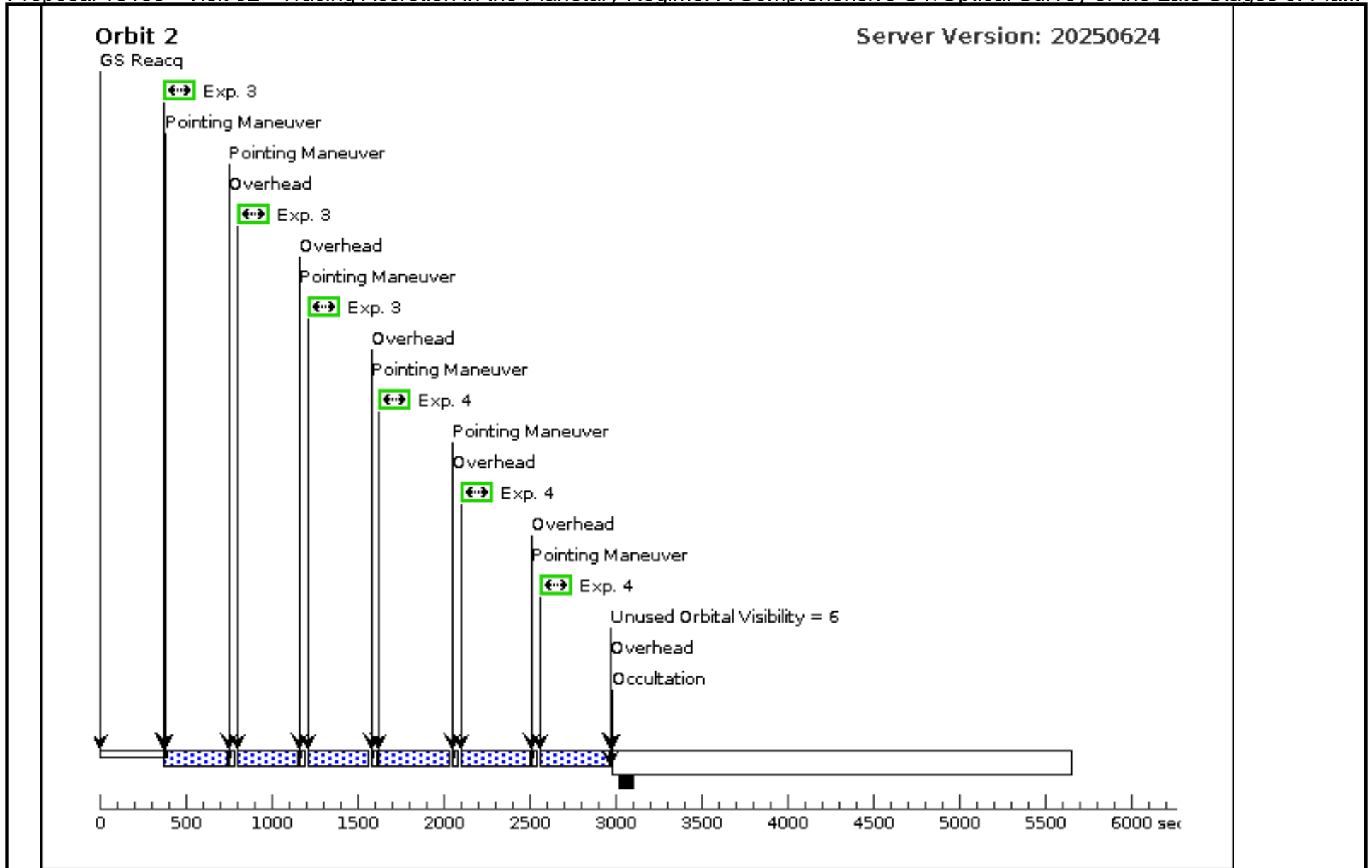


Proposal 18139 - Visit 02 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:04 GMT 2025

| Visit | Proposal 18139, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|---|------------------------------------|--|--|------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (2) | TAURUS-2MASS- J05044950+2510187 | RA: 05 04 49.5043 (76.2062679d) Dec: +25 10 18.79 (25.17189d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=17.12 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (2) TAURUS-2MAS S-J05044950+2510187 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 02 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (2) TAURUS-2MAS S-J05044950+2510187 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 02 (1) | 152 Secs (456 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (2) TAURUS-2MAS S-J05044950+2510187 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 02 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (2) TAURUS-2MAS S-J05044950+2510187 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 02 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

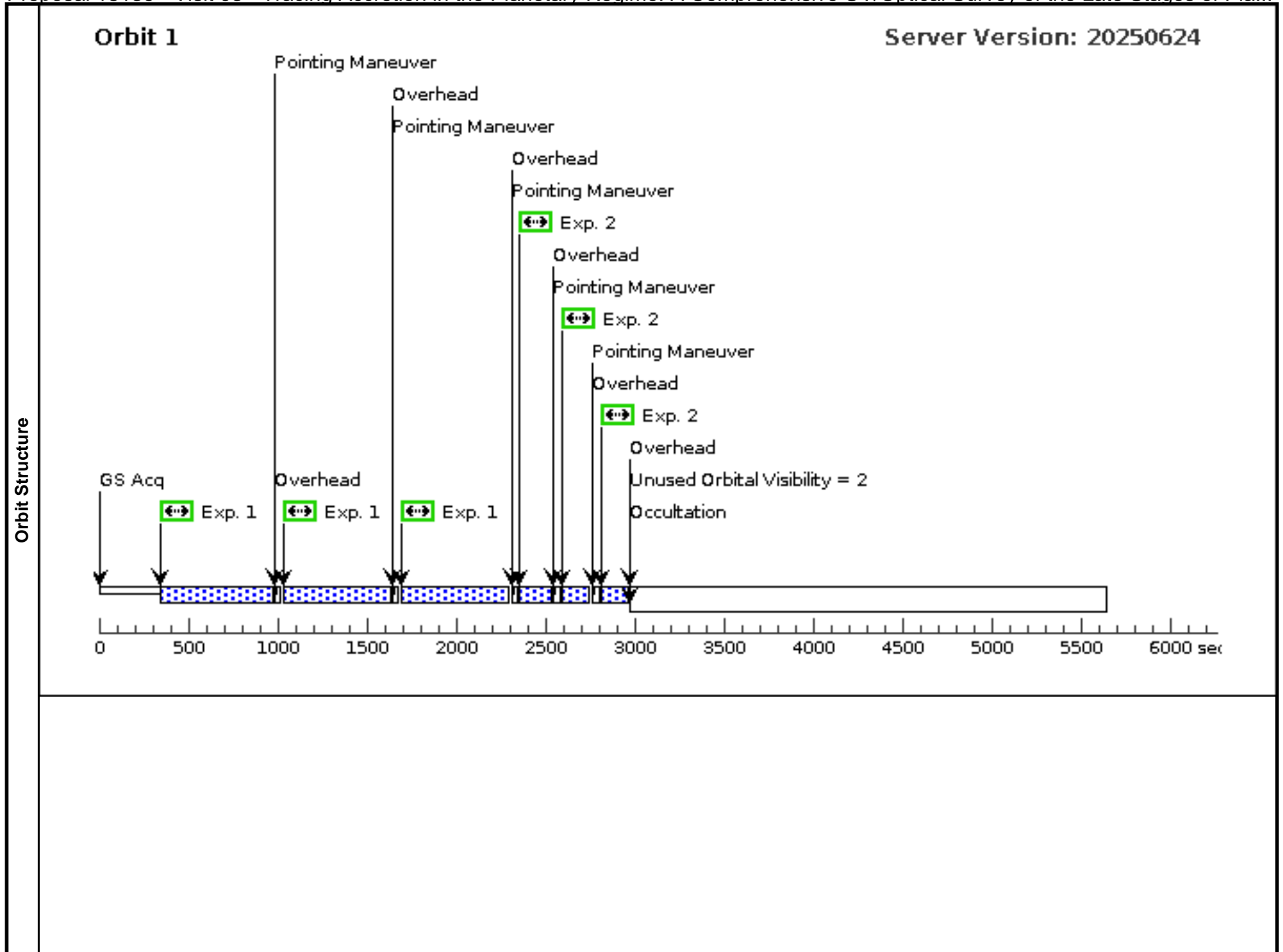


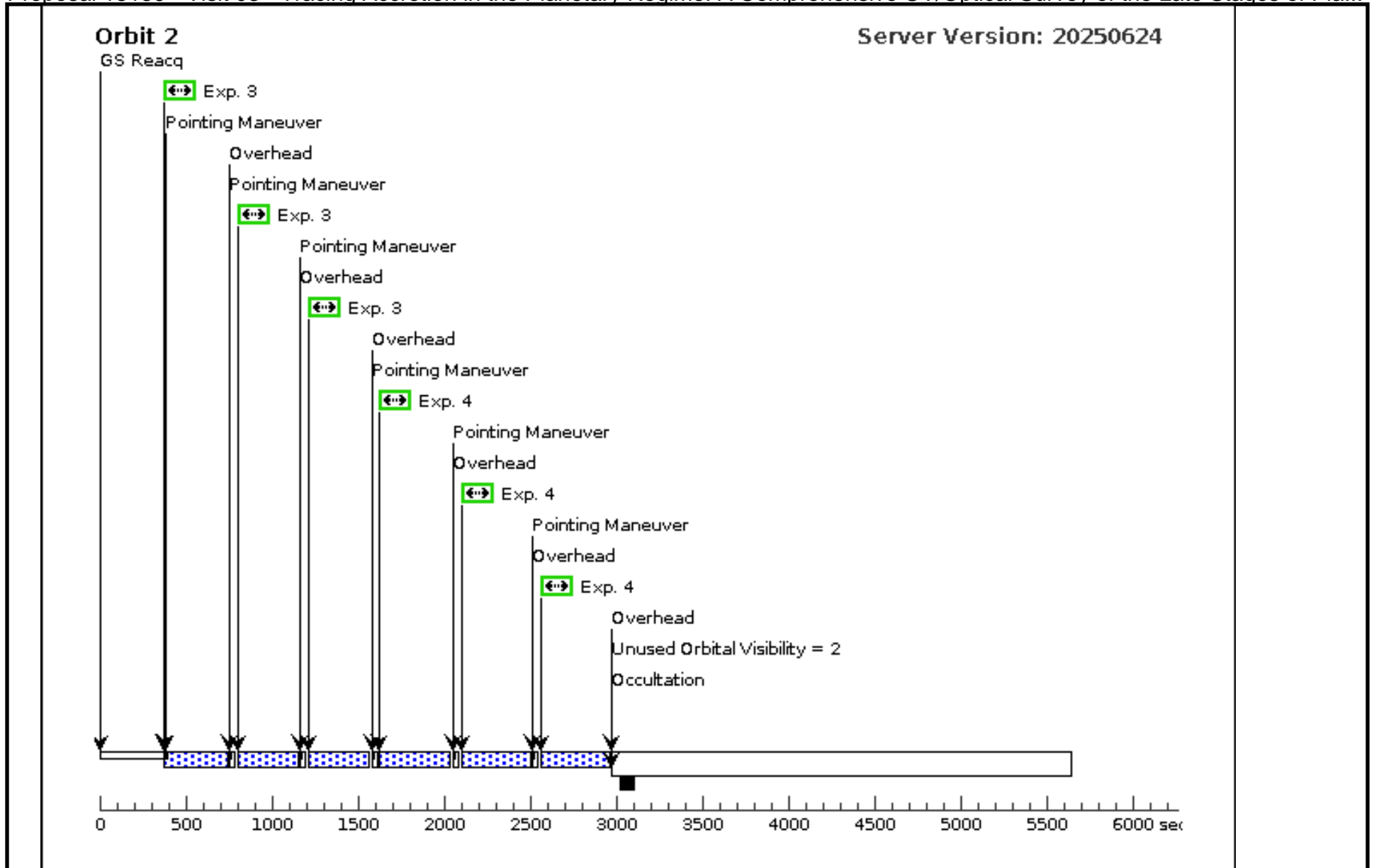


Proposal 18139 - Visit 03 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:04 GMT 2025

| Visit | Proposal 18139, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|--|--|--|--------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (3) | TAURUS-2MASS- J04373705+2331080 | RA: 04 37 37.0505 (69.4043771d) Dec: +23 31 8.07 (23.51891d) Equinox: J2000 | Proper Motion RA: 15.86 mas/yr Proper Motion Dec: -54.78999996739731 mas/yr Epoch of Position: 2000 | V=(?) J=17.32 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (3) TAURUS-2MAS S-J04373705+23310 80 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 03 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (3) TAURUS-2MAS S-J04373705+23310 80 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 03 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (3) TAURUS-2MAS S-J04373705+23310 80 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 03 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (3) TAURUS-2MAS S-J04373705+23310 80 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 03 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

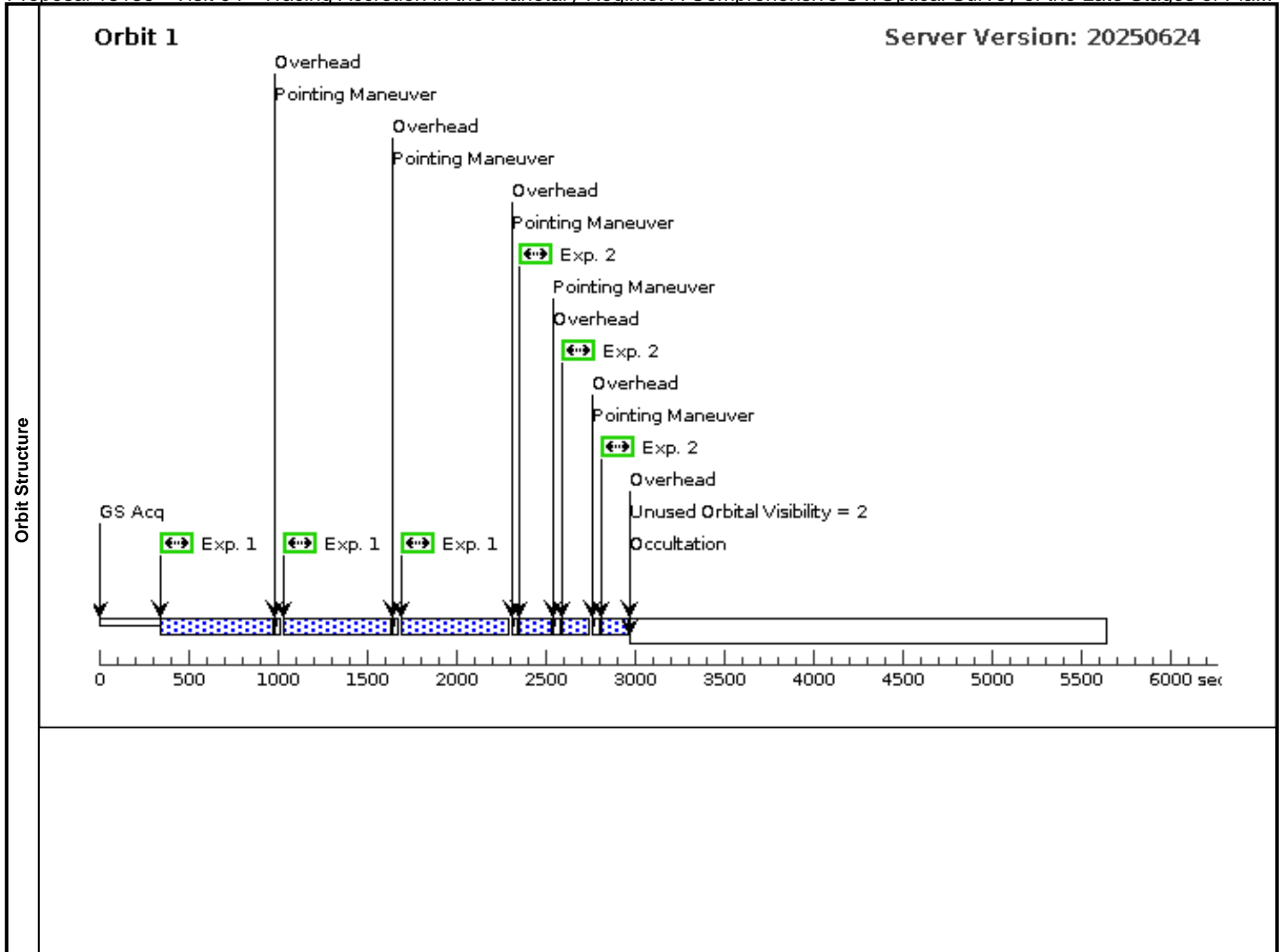


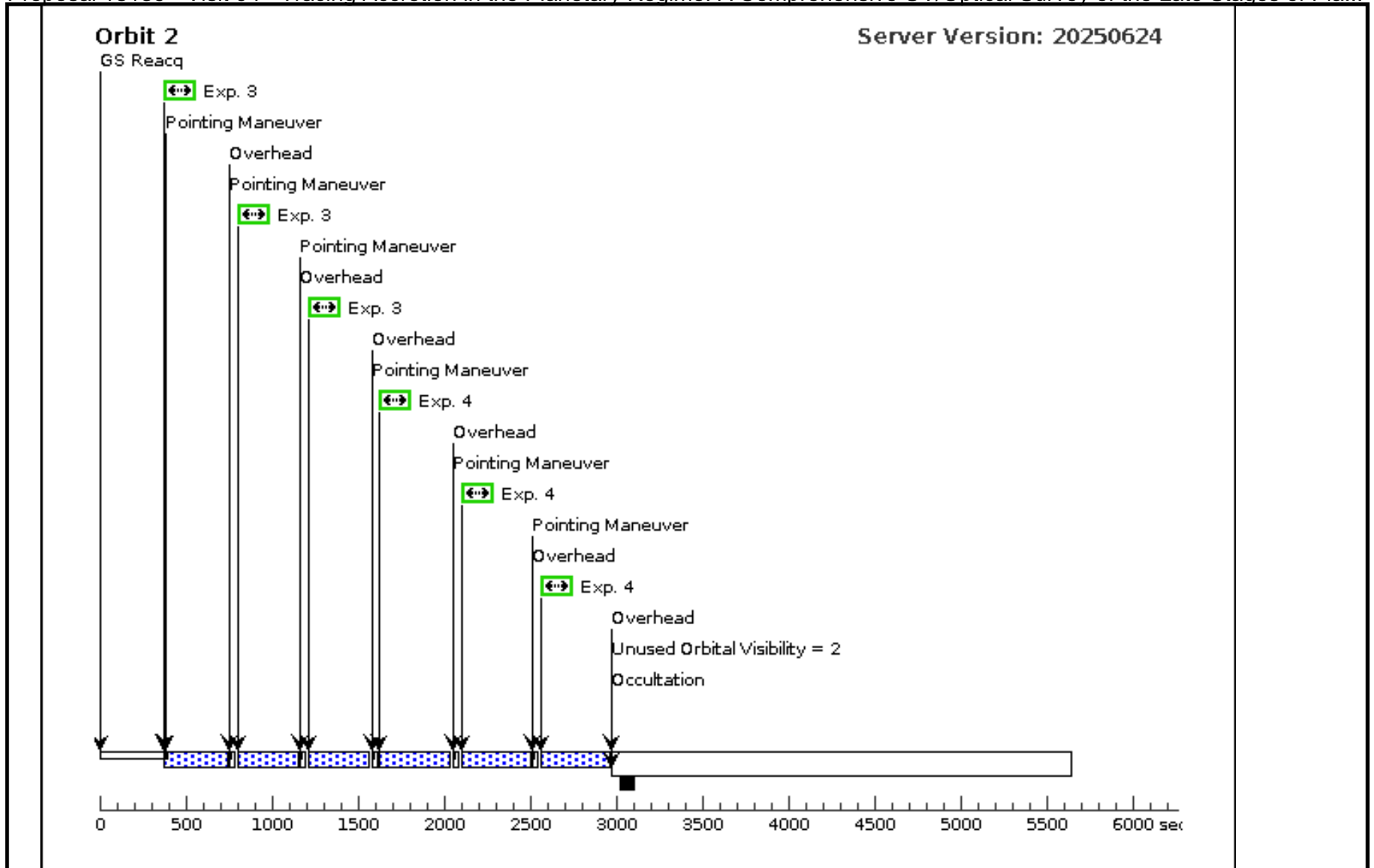


Proposal 18139 - Visit 04 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:04 GMT 2025

| Visit | Proposal 18139, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---|--|-------------------------------------|--|--|------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (4) | TAURUS-UGCS- J043506.95+230750.6 | RA: 04 35 6.9533 (68.7789721d) Dec: +23 07 50.69 (23.13075d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=17.35 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (4) TAURUS-UGCS -J043506.95+230750.6 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 04 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (4) TAURUS-UGCS -J043506.95+230750.6 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 04 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (4) TAURUS-UGCS -J043506.95+230750.6 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 04 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (4) TAURUS-UGCS -J043506.95+230750.6 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 04 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

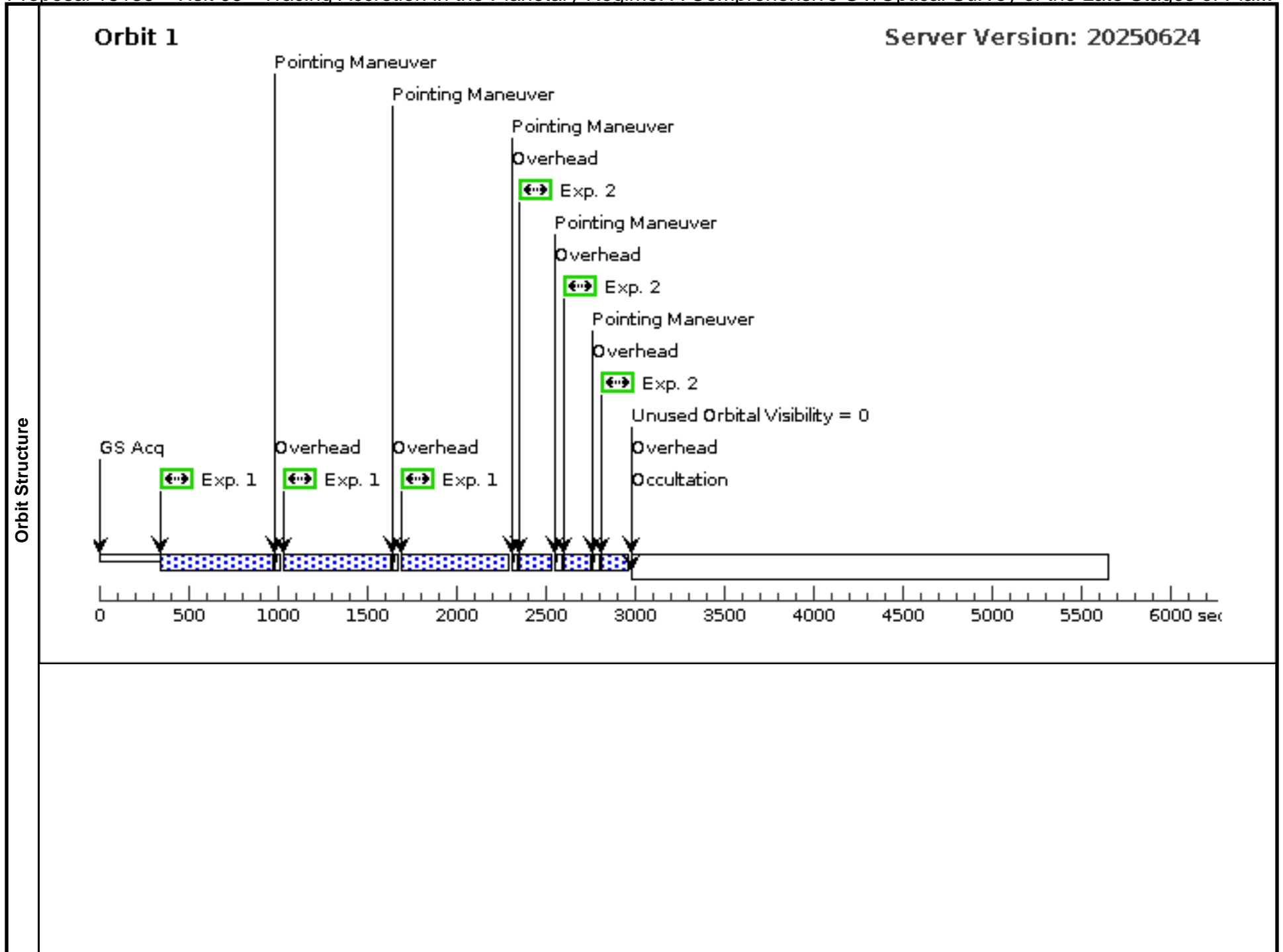


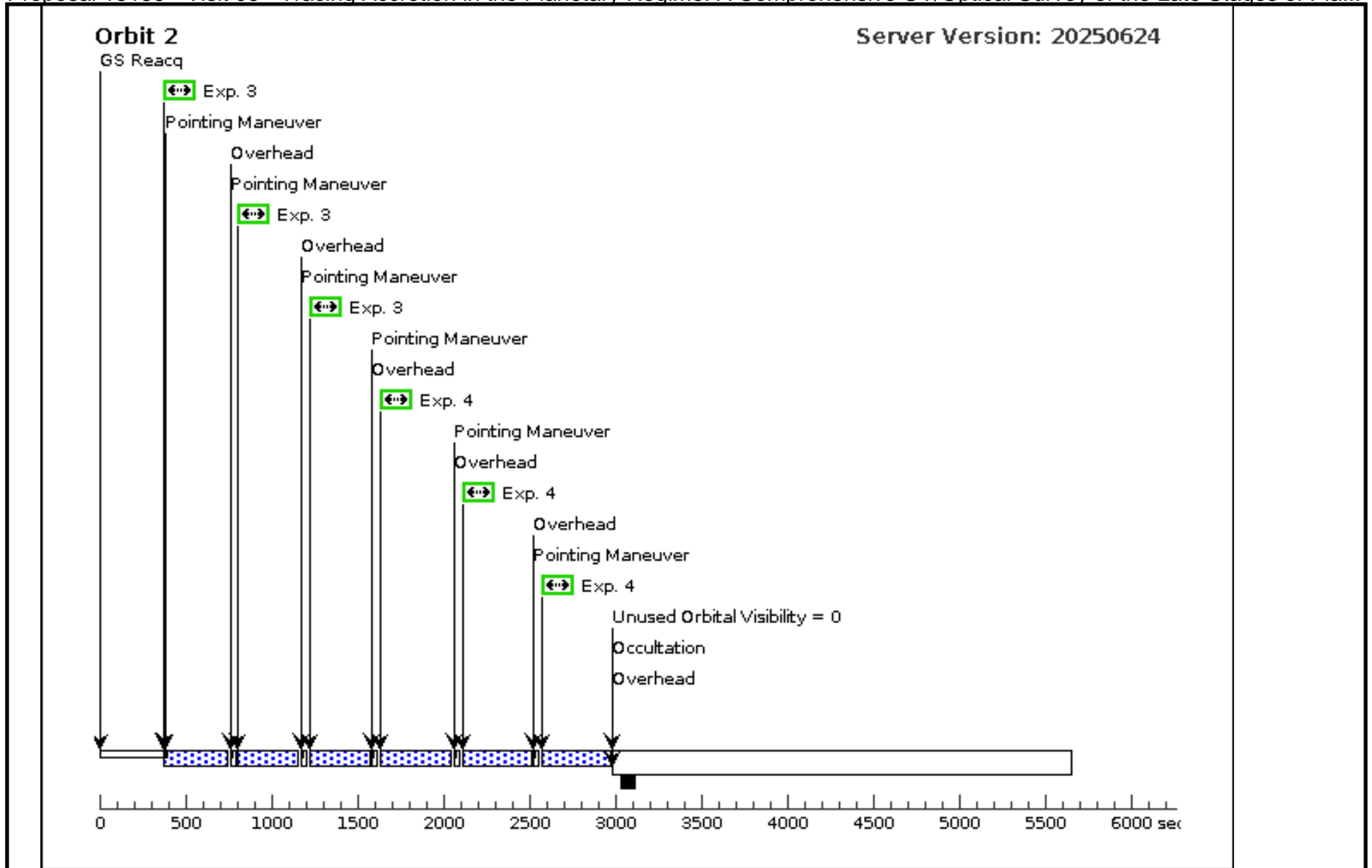


Proposal 18139 - Visit 05 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:04 GMT 2025

| Visit | Proposal 18139, Visit 05 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|---|------------------------------------|--|--|------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (5) | TAURUS-2MASS- J04195040+2820485 | RA: 04 19 50.4091 (64.9600379d) Dec: +28 20 48.58 (28.34683d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=17.27 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (5) TAURUS-2MAS S-J04195040+28204 85 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 05 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (5) TAURUS-2MAS S-J04195040+28204 85 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 05 (1) | 152 Secs (456 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (5) TAURUS-2MAS S-J04195040+28204 85 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 05 (1) | 352 Secs (1056 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (5) TAURUS-2MAS S-J04195040+28204 85 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 05 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

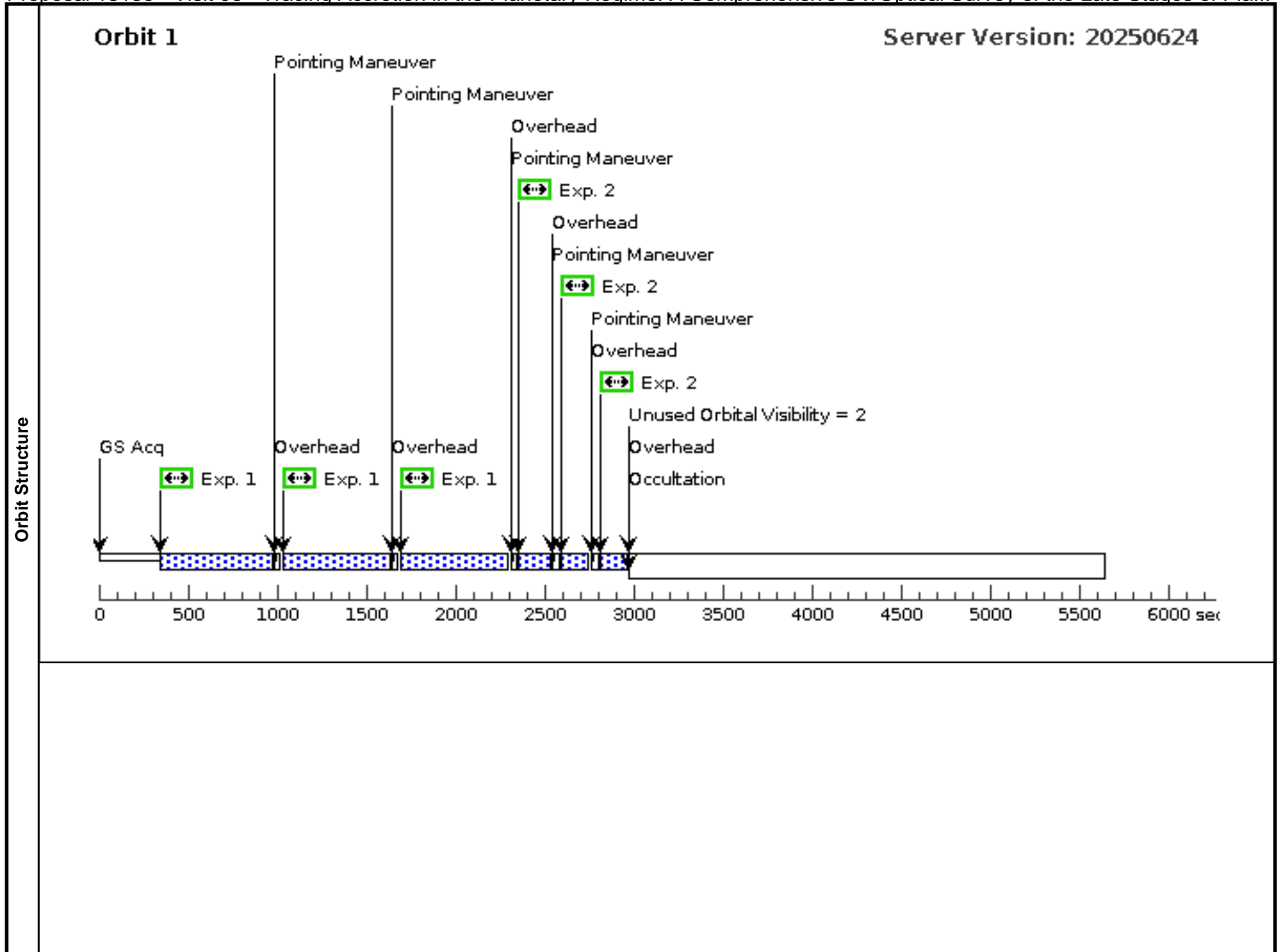


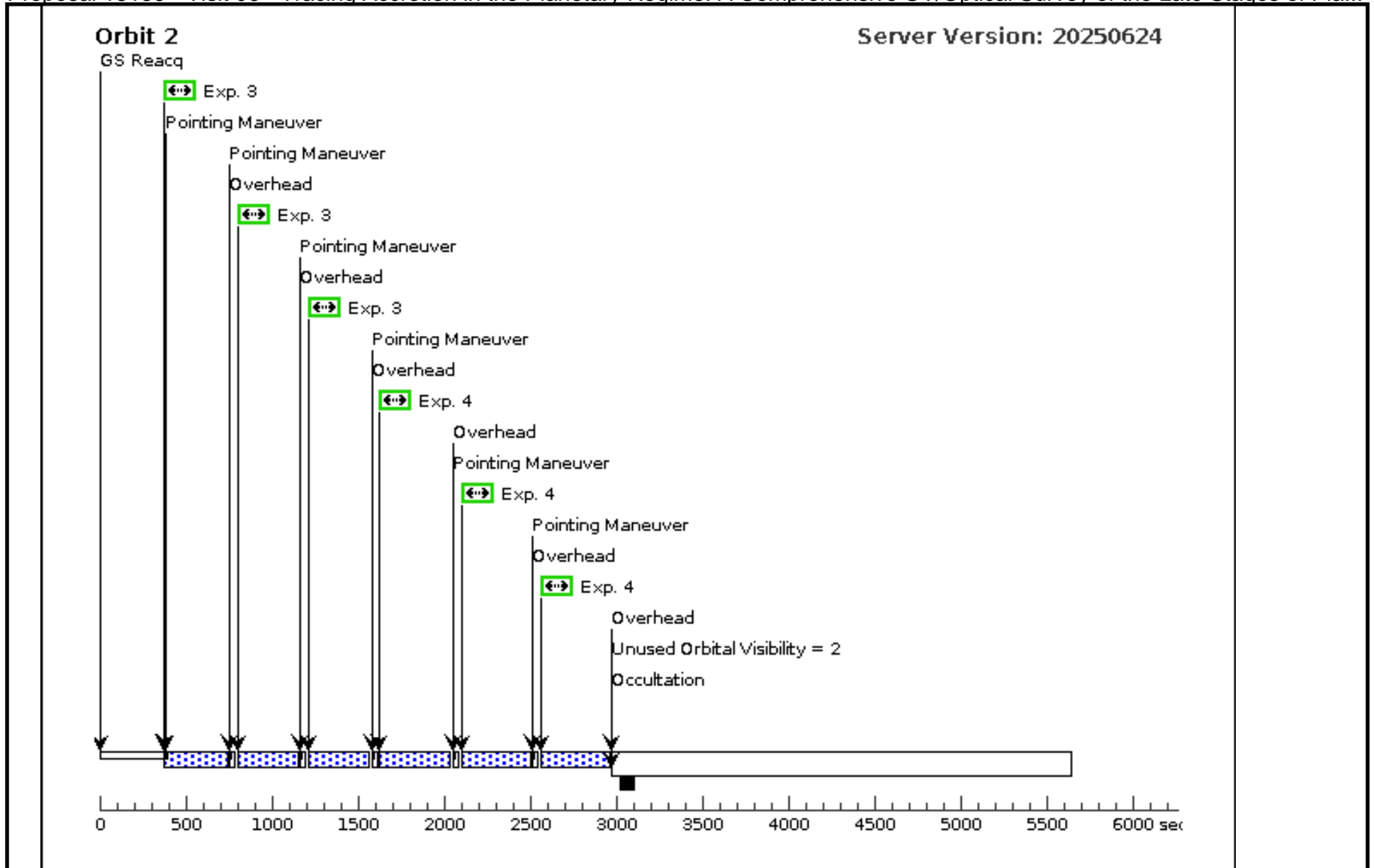


Proposal 18139 - Visit 06 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:04 GMT 2025

| Visit | Proposal 18139, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|---|-------------------------------------|--|--|------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (6) | TAURUS-UGCS- J050418.06+242302.3 | RA: 05 04 18.0610 (76.0752542d) Dec: +24 23 2.30 (24.38397d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=17.26 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (6) TAURUS-UGCS -J050418.06+242302.3 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 06 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (6) TAURUS-UGCS -J050418.06+242302.3 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 06 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (6) TAURUS-UGCS -J050418.06+242302.3 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 06 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (6) TAURUS-UGCS -J050418.06+242302.3 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 06 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

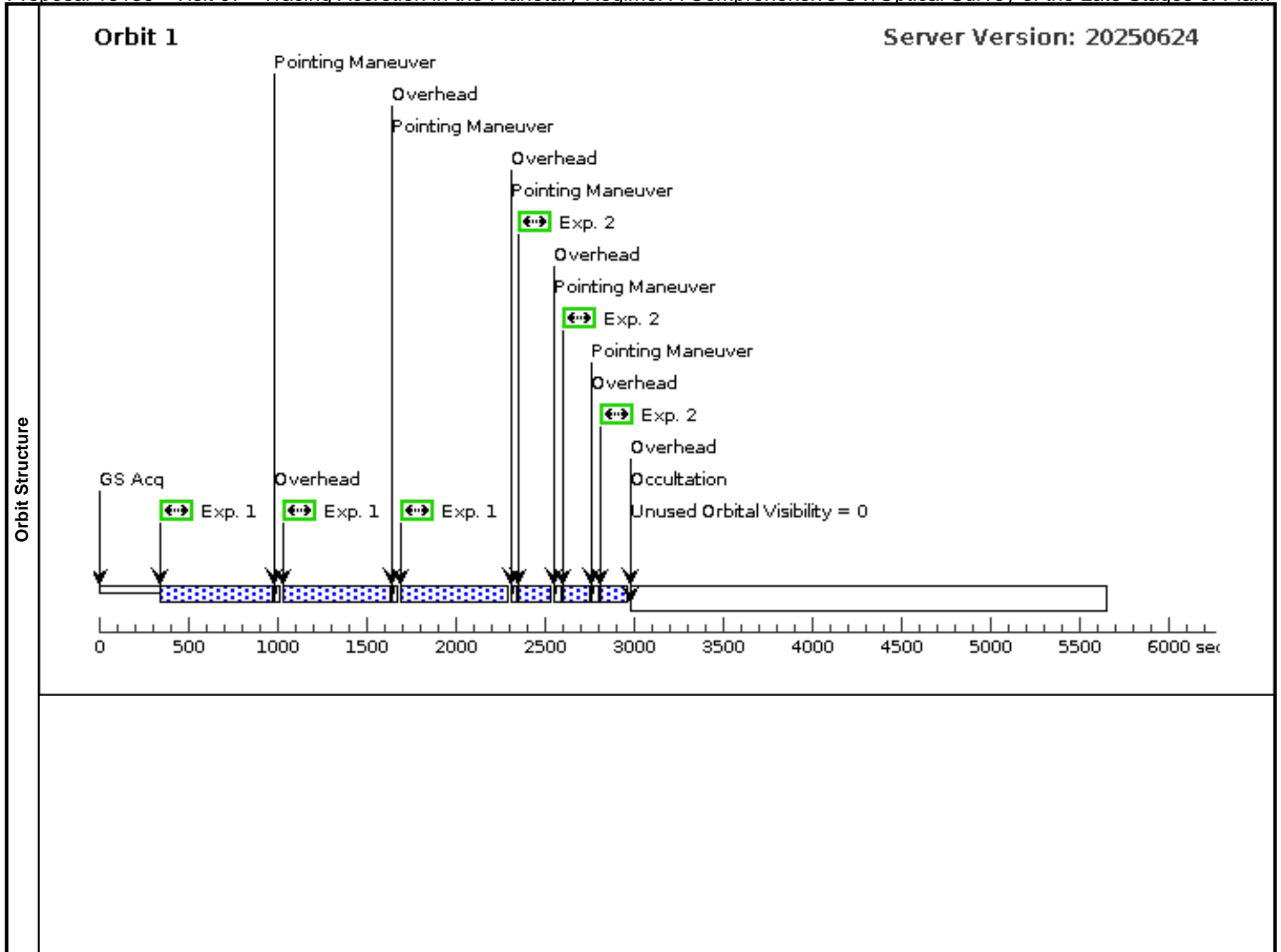


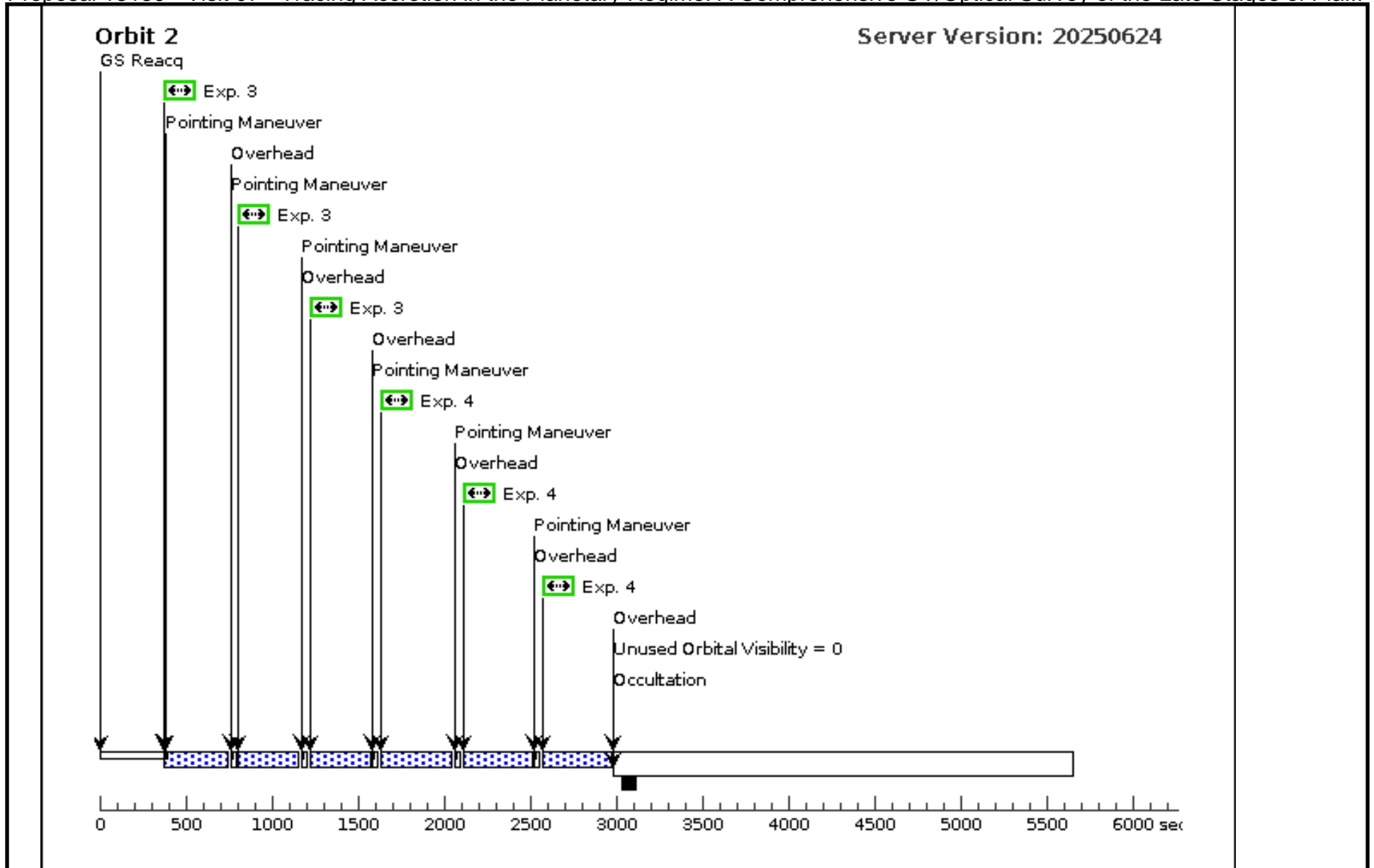


Proposal 18139 - Visit 07 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:04 GMT 2025

| Visit | Proposal 18139, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|--|--|--|---|--------------------|-----------------------|---------------|-------------------------------------|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (7) | TAURUS-UGCS-J042201.36+265512.1 | RA: 04 22 1.3600 (65.5056667d) Dec: +26 55 12.10 (26.92003d) Equinox: J2000 | Proper Motion RA: -13.0 mas/yr Proper Motion Dec: -3.599999909108737 mas/yr Epoch of Position: 2000 | V=(?) J=18.09 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (7) TAURUS-UGCS-J042201.36+265512.1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 in Visit 07 (1) | 600 Secs (1800 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (7) TAURUS-UGCS-J042201.36+265512.1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 in Visit 07 (1) | 152 Secs (456 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | | (7) TAURUS-UGCS-J042201.36+265512.1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 in Visit 07 (1) | 352 Secs (1056 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | | (7) TAURUS-UGCS-J042201.36+265512.1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 in Visit 07 (1) | 400 Secs (1200 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |

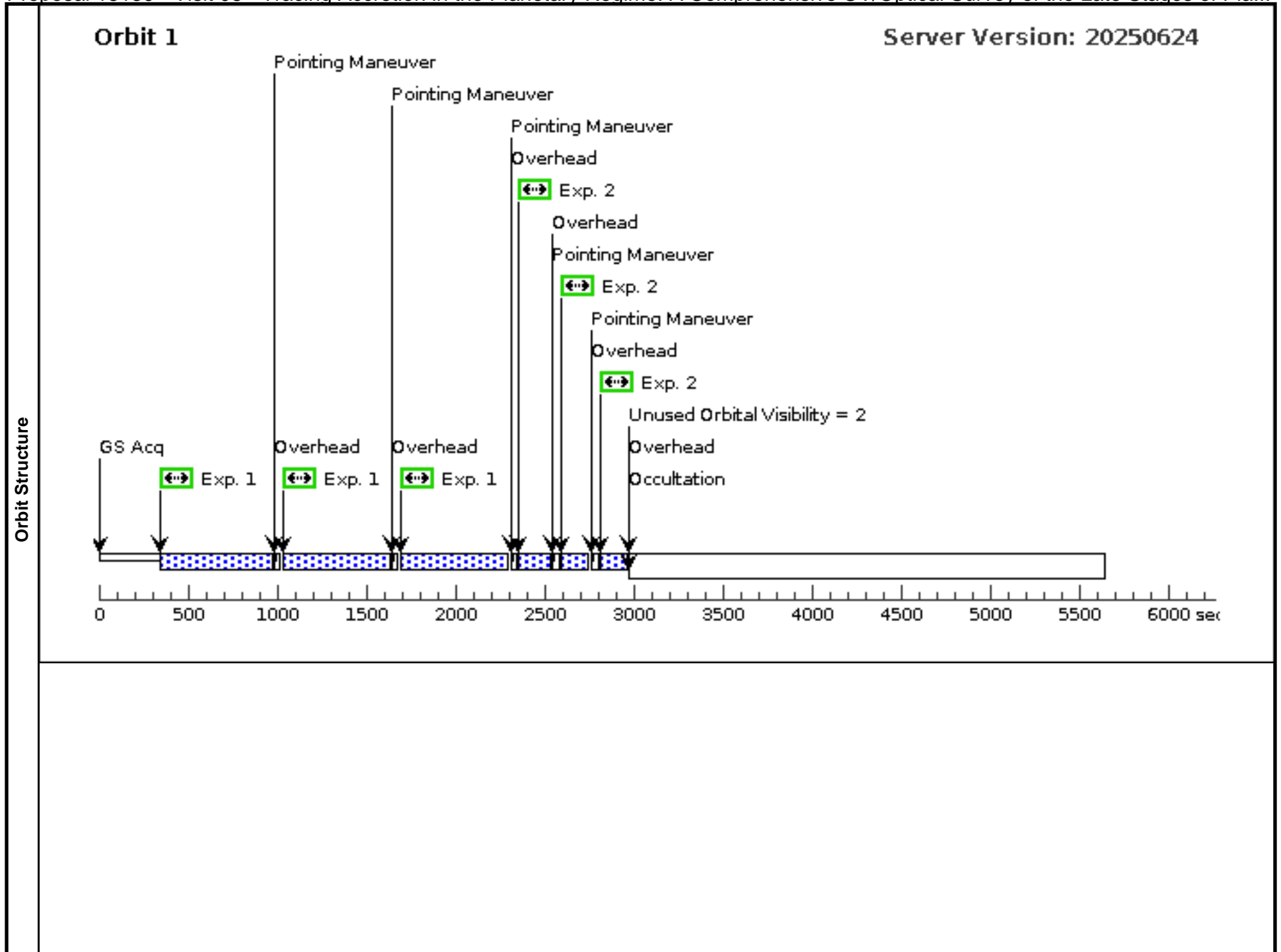


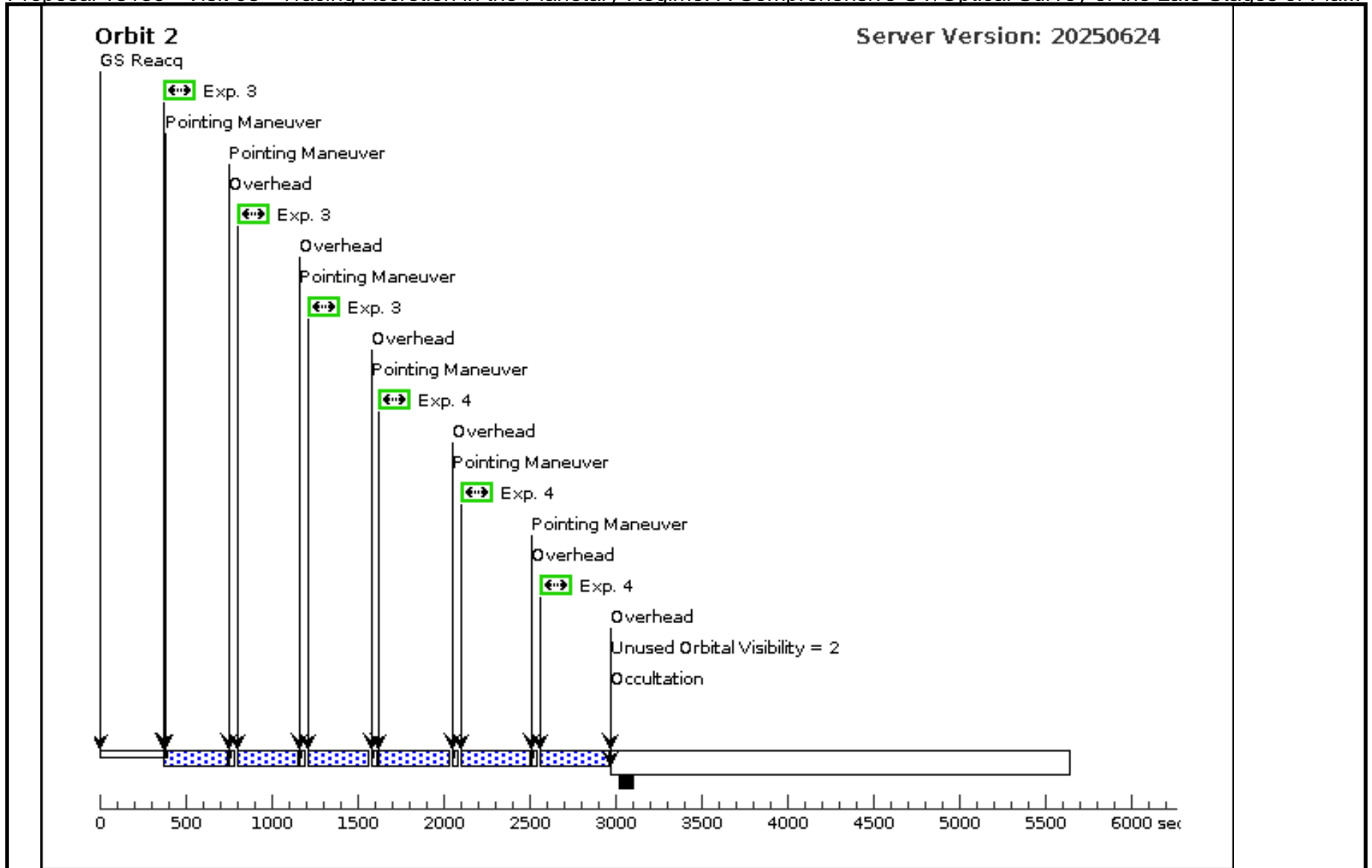


Proposal 18139 - Visit 08 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:04 GMT 2025

| Visit | Proposal 18139, Visit 08 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|---|---|--|--|------------------|-----------------------|---|--|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (8) | TAURUS-UGCS- J043354.07+225119.1 | RA: 04 33 54.0703 (68.4752929d) Dec: +22 51 19.20 (22.85533d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=17.95 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (8) TAURUS-UGCS -J043354.07+225119 .1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 08 (1) | 600 Secs (1800 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (8) TAURUS-UGCS -J043354.07+225119 .1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 08 (1) | 150 Secs (450 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| 3 | | (8) TAURUS-UGCS -J043354.07+225119 .1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 08 (1) | 350 Secs (1050 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |
| 4 | | (8) TAURUS-UGCS -J043354.07+225119 .1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 08 (1) | 400 Secs (1200 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

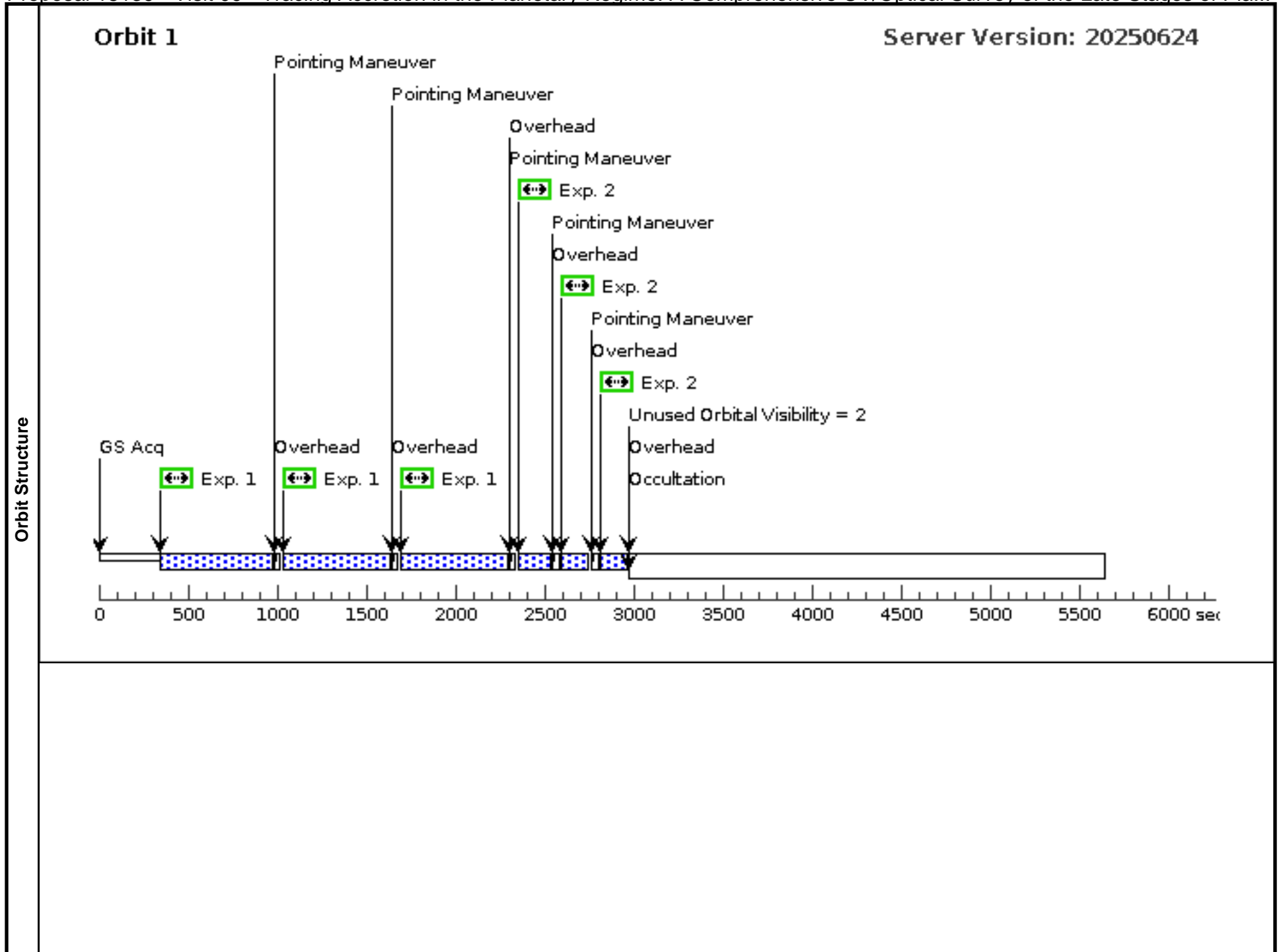


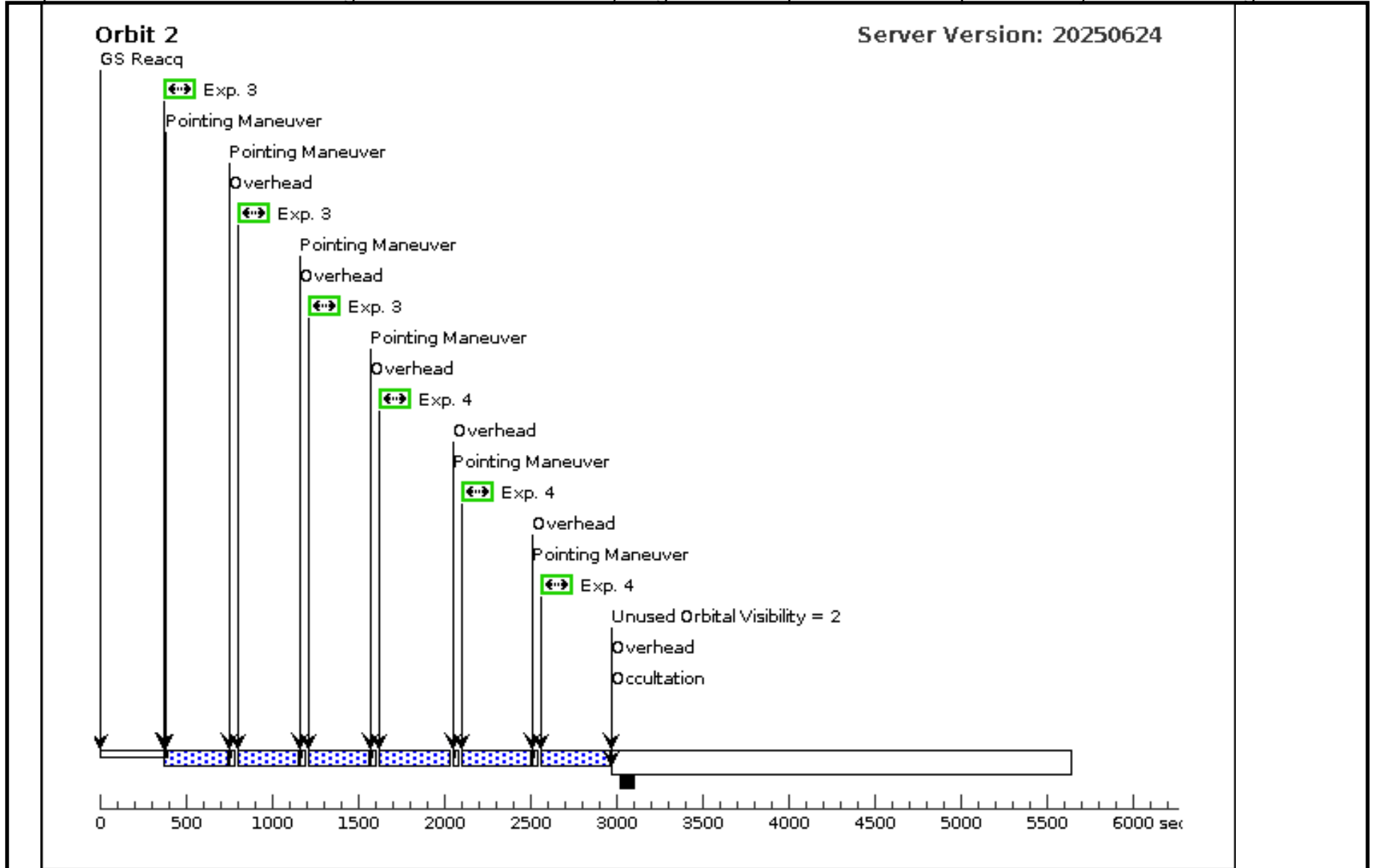


Proposal 18139 - Visit 09 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|---|-------------------------------------|--|--|------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (9) | TAURUS-UGCS- J043328.47+175833.0 | RA: 04 33 28.4767 (68.3686529d) Dec: +17 58 33.05 (17.97585d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=17.75 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (9) TAURUS-UGCS -J043328.47+175833 .0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 09 (1) | 599 Secs (1797 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (9) TAURUS-UGCS -J043328.47+175833 .0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 09 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (9) TAURUS-UGCS -J043328.47+175833 .0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 09 (1) | 349 Secs (1047 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (9) TAURUS-UGCS -J043328.47+175833 .0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 09 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

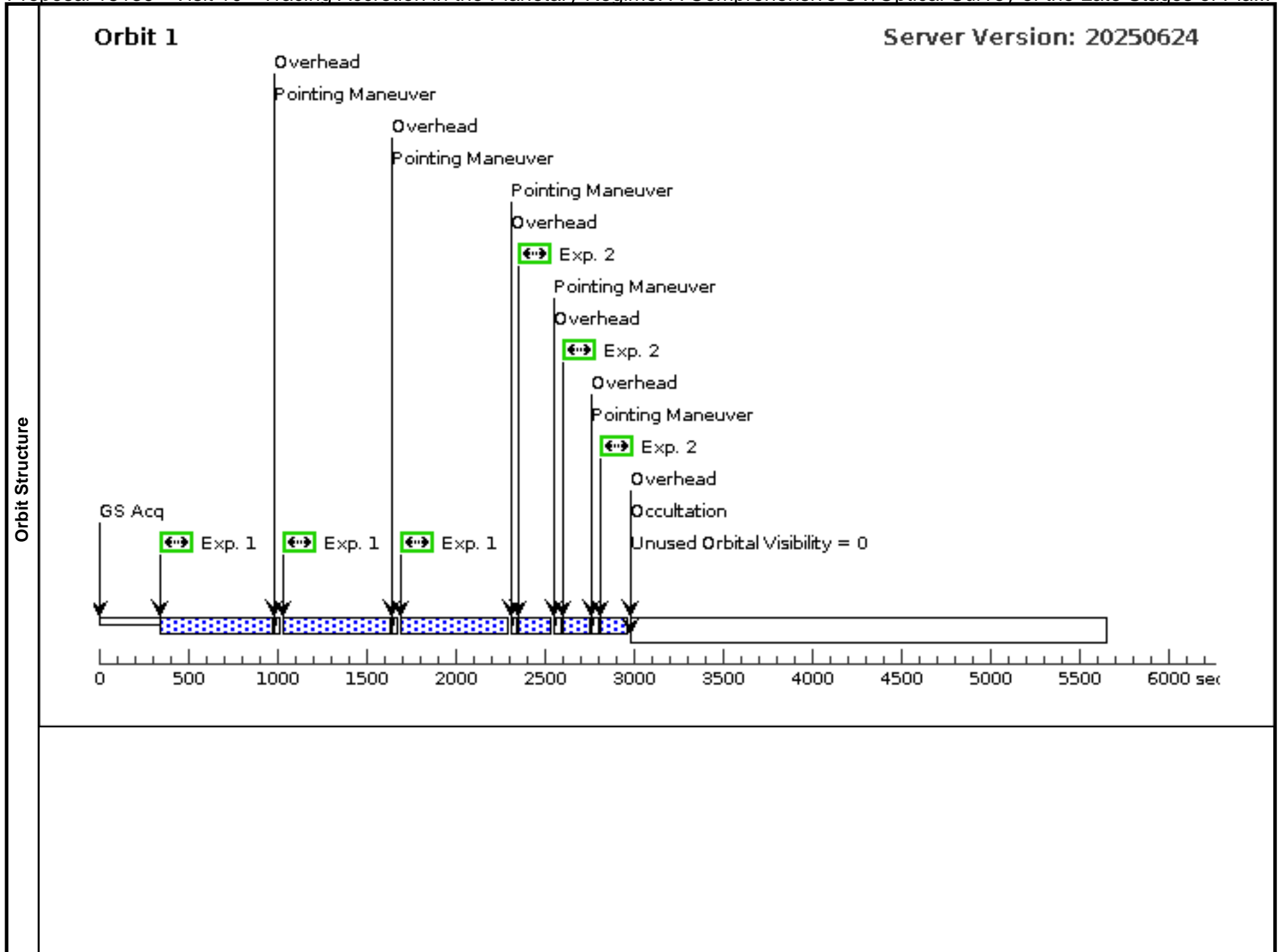


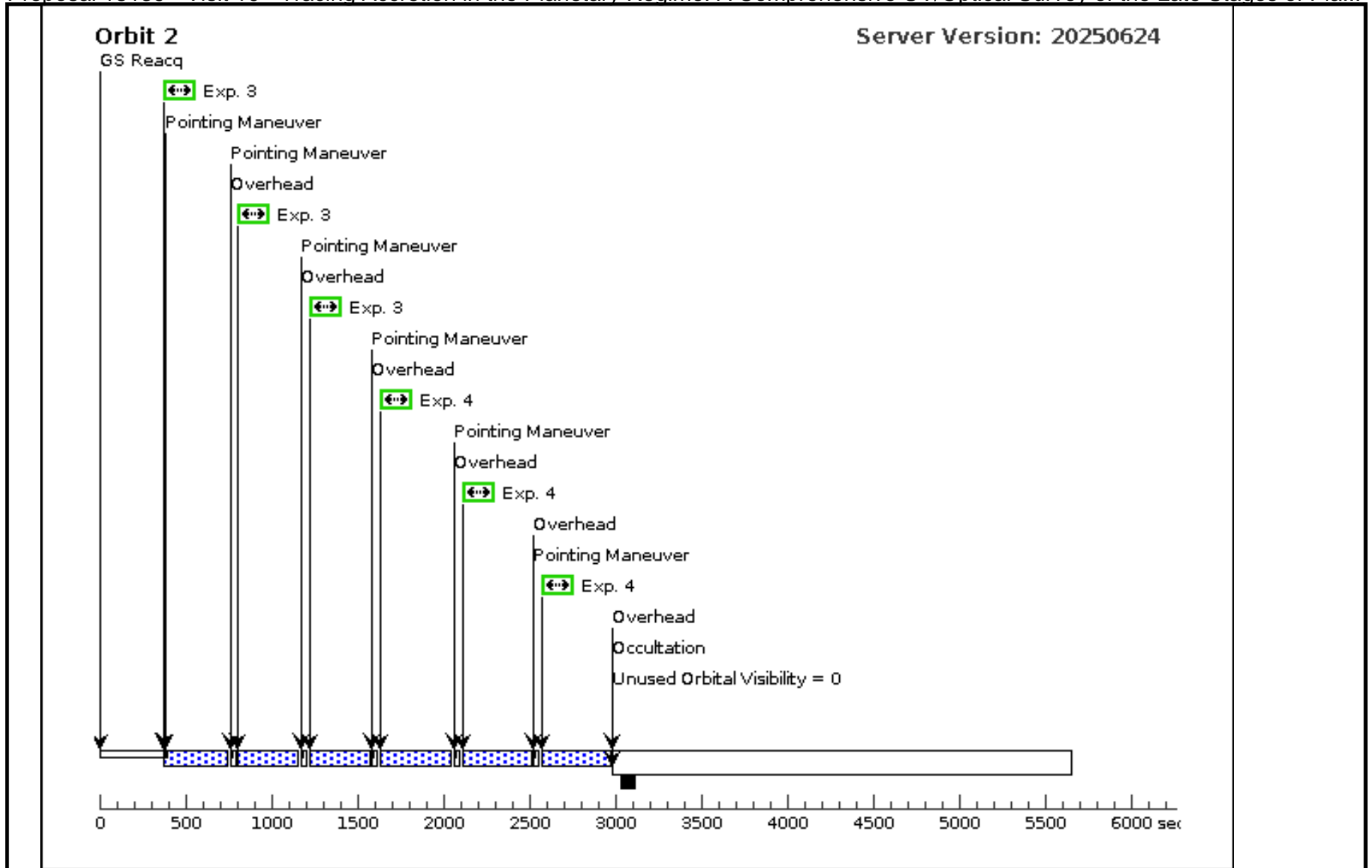


Proposal 18139 - Visit 10 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|--|--|--|--------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (10) | TAURUS-2MASS- J04144158+2809583 | RA: 04 14 41.5894 (63.6732892d) Dec: +28 09 58.32 (28.16620d) Equinox: J2000 | Proper Motion RA: -4.66 mas/yr Proper Motion Dec: -5.590000091615366 mas/yr Epoch of Position: 2000 | V=(?) J=17.0 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (10) TAURUS-2MA SS-J04144158+2809 583 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 10 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (10) TAURUS-2MA SS-J04144158+2809 583 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 10 (1) | 152 Secs (456 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (10) TAURUS-2MA SS-J04144158+2809 583 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 10 (1) | 352 Secs (1056 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (10) TAURUS-2MA SS-J04144158+2809 583 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 10 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

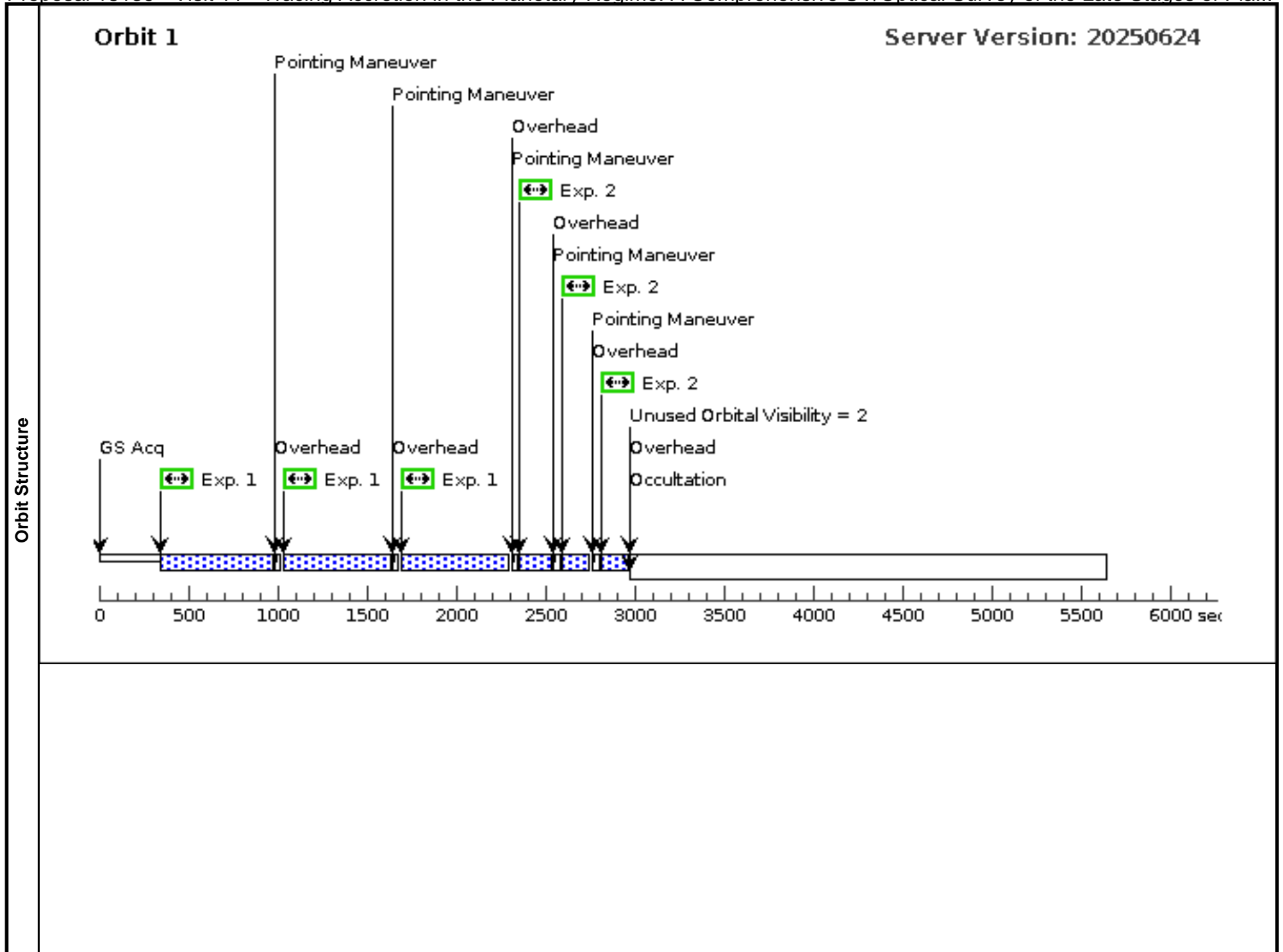


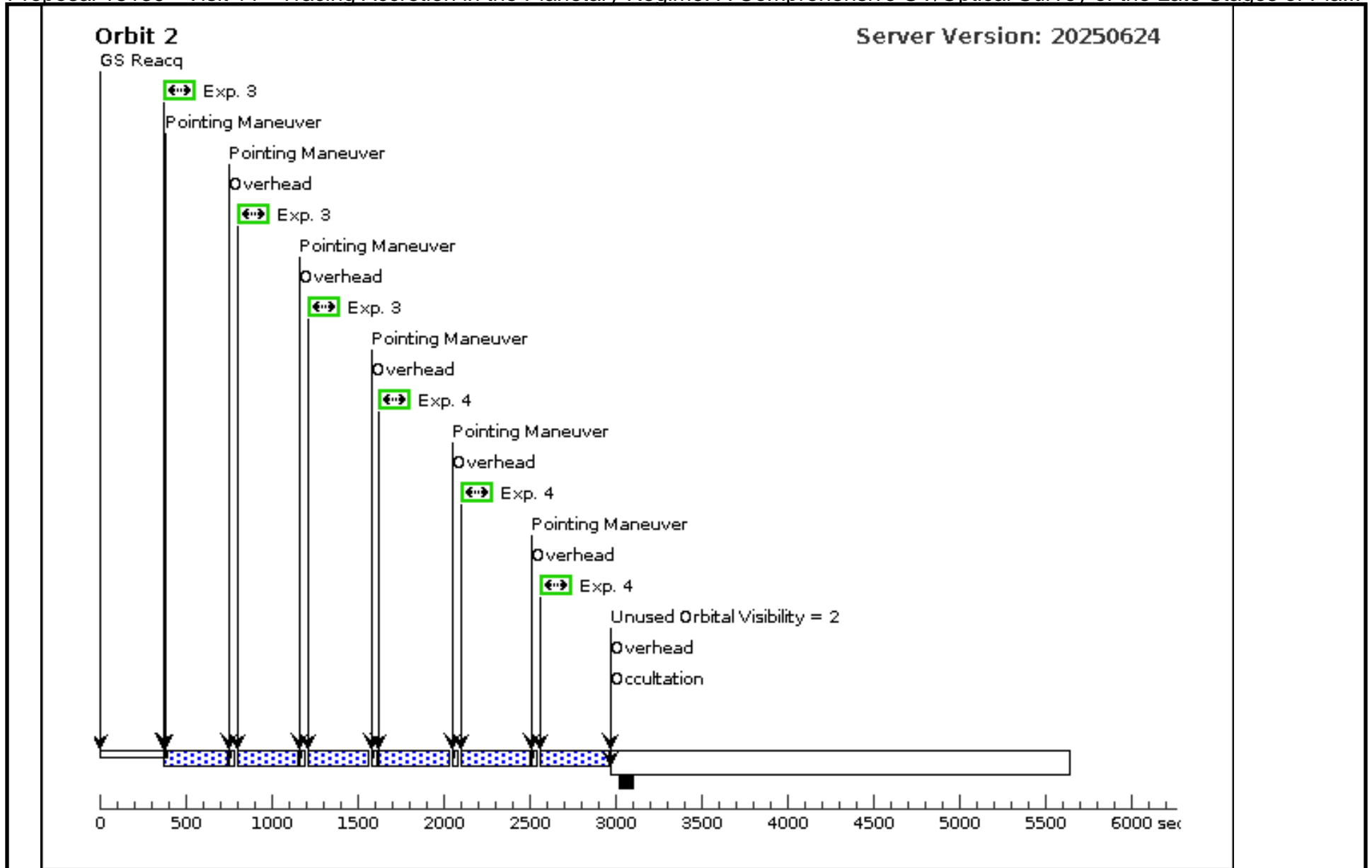


Proposal 18139 - Visit 11 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 11 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|--|--|---|--------------------|-----------------------|---------------|-------------------------------------|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (11) | USCO-DANCE-J16140756-2211524 | RA: 16 14 7.5629 (243.5315121d) Dec: -22 11 52.20 (-22.19783d) Equinox: J2000 | Proper Motion RA: -7.59 mas/yr Proper Motion Dec: -9.019999902193376 mas/yr Epoch of Position: 2000 | V=(?) J = 17.5 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (11) USCO-DANCE -J16140756-2211524 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 in Visit 11 (1) | 600 Secs (1800 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (11) USCO-DANCE -J16140756-2211524 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 in Visit 11 (1) | 150 Secs (450 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | | (11) USCO-DANCE -J16140756-2211524 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 in Visit 11 (1) | 350 Secs (1050 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | | (11) USCO-DANCE -J16140756-2211524 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 in Visit 11 (1) | 400 Secs (1200 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |

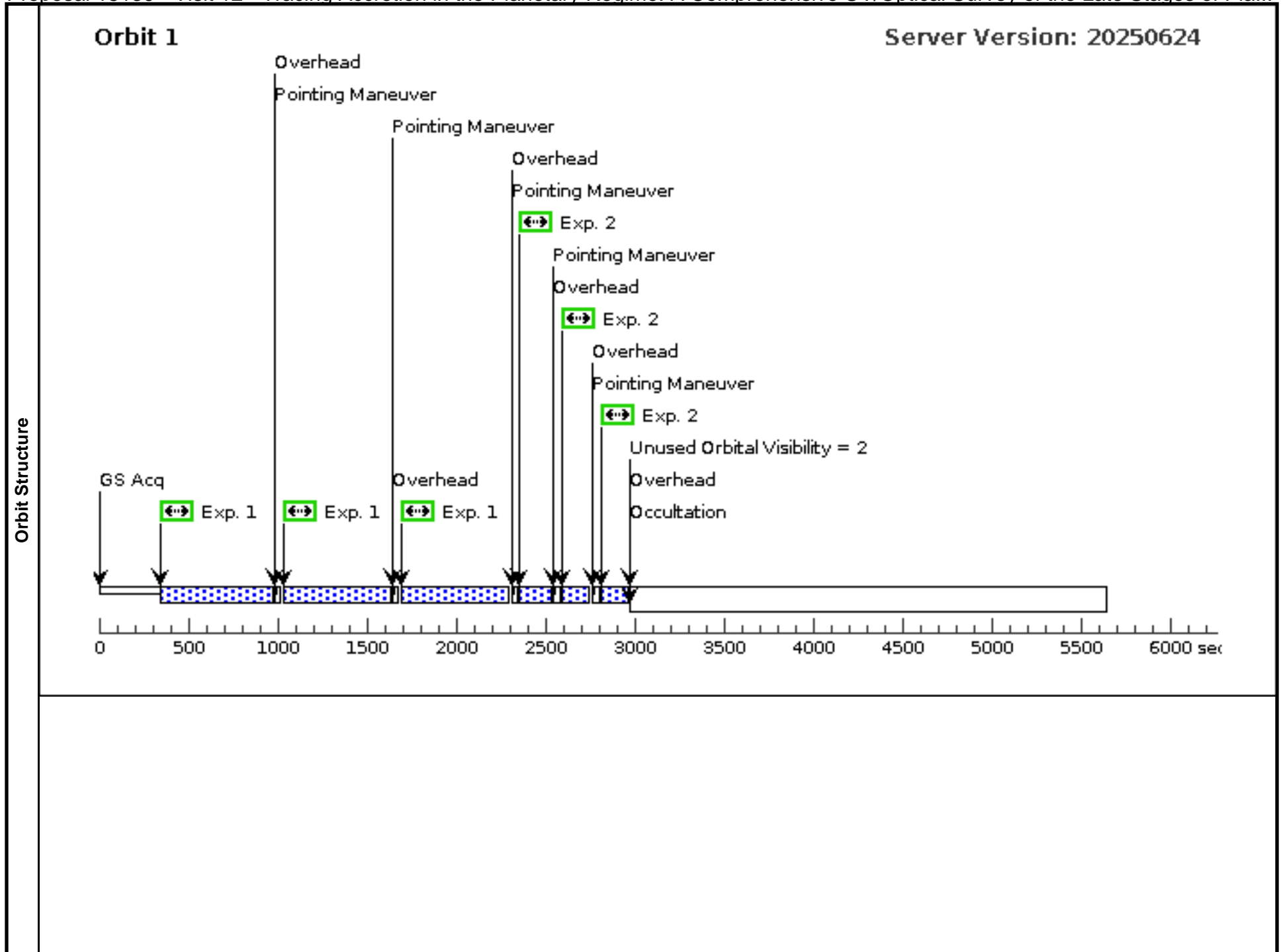


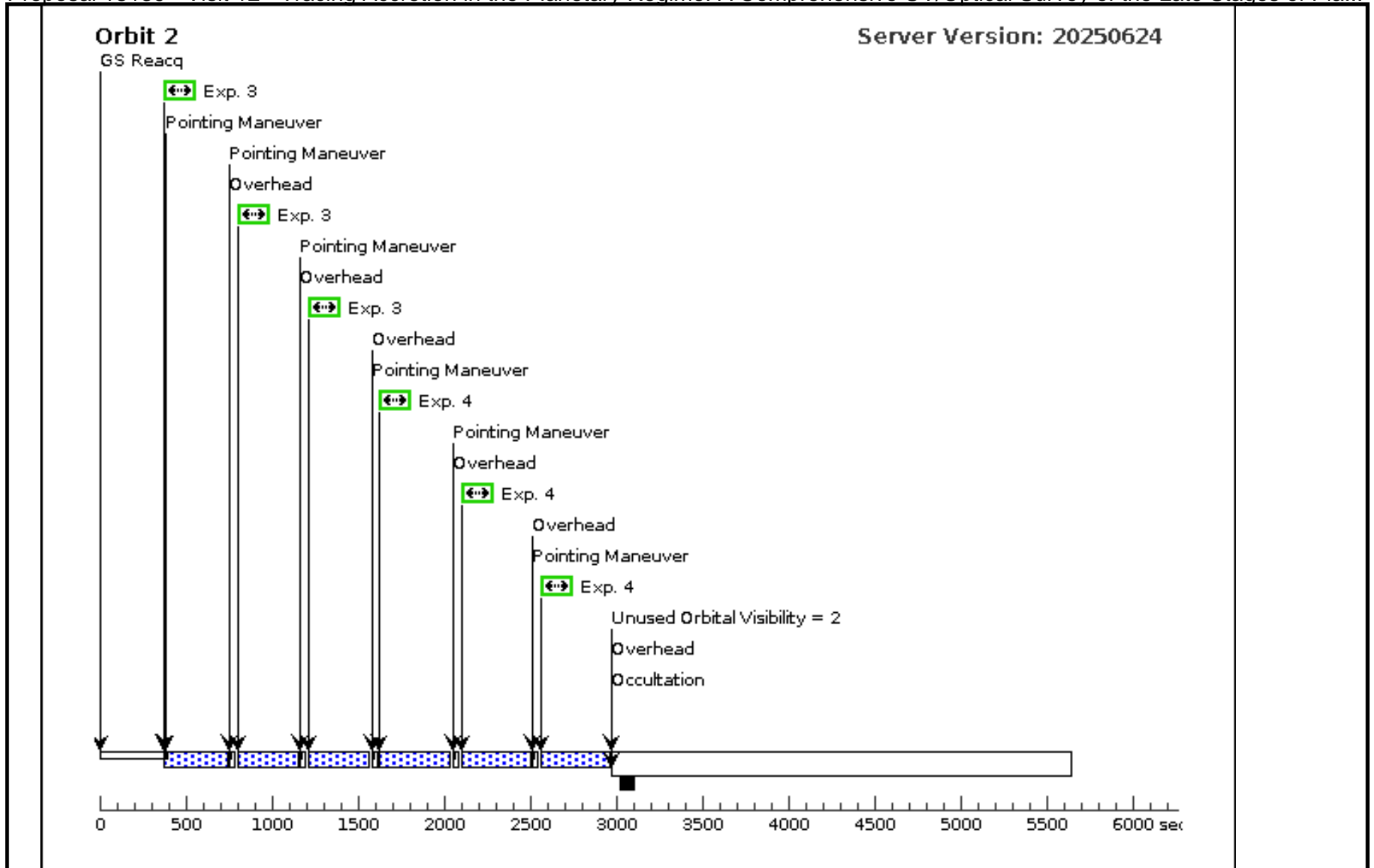


Proposal 18139 - Visit 12 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 12 | | | | | | | | | |
|---------------|--|--|--|--|--------------------|-----------------------|---------------|---|--|-------|
| | | Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | |
| Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (12) | USCO-UGCS- J160420.42-213452.8 | RA: 16 04 20.4223 (241.0850929d) Dec: -21 34 52.90 (-21.58136d) Equinox: J2000 | Proper Motion RA: -20.16 mas/yr Proper Motion Dec: -12.929999957123073 mas/yr Epoch of Position: 2000 | V=(?) J=18.4 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (12) USCO-UGCS-J 160420.42-213452.8 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 12 (1) | 600 Secs (1800 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (12) USCO-UGCS-J 160420.42-213452.8 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 12 (1) | 150 Secs (450 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | | (12) USCO-UGCS-J 160420.42-213452.8 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 12 (1) | 350 Secs (1050 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | | (12) USCO-UGCS-J 160420.42-213452.8 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 12 (1) | 400 Secs (1200 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |

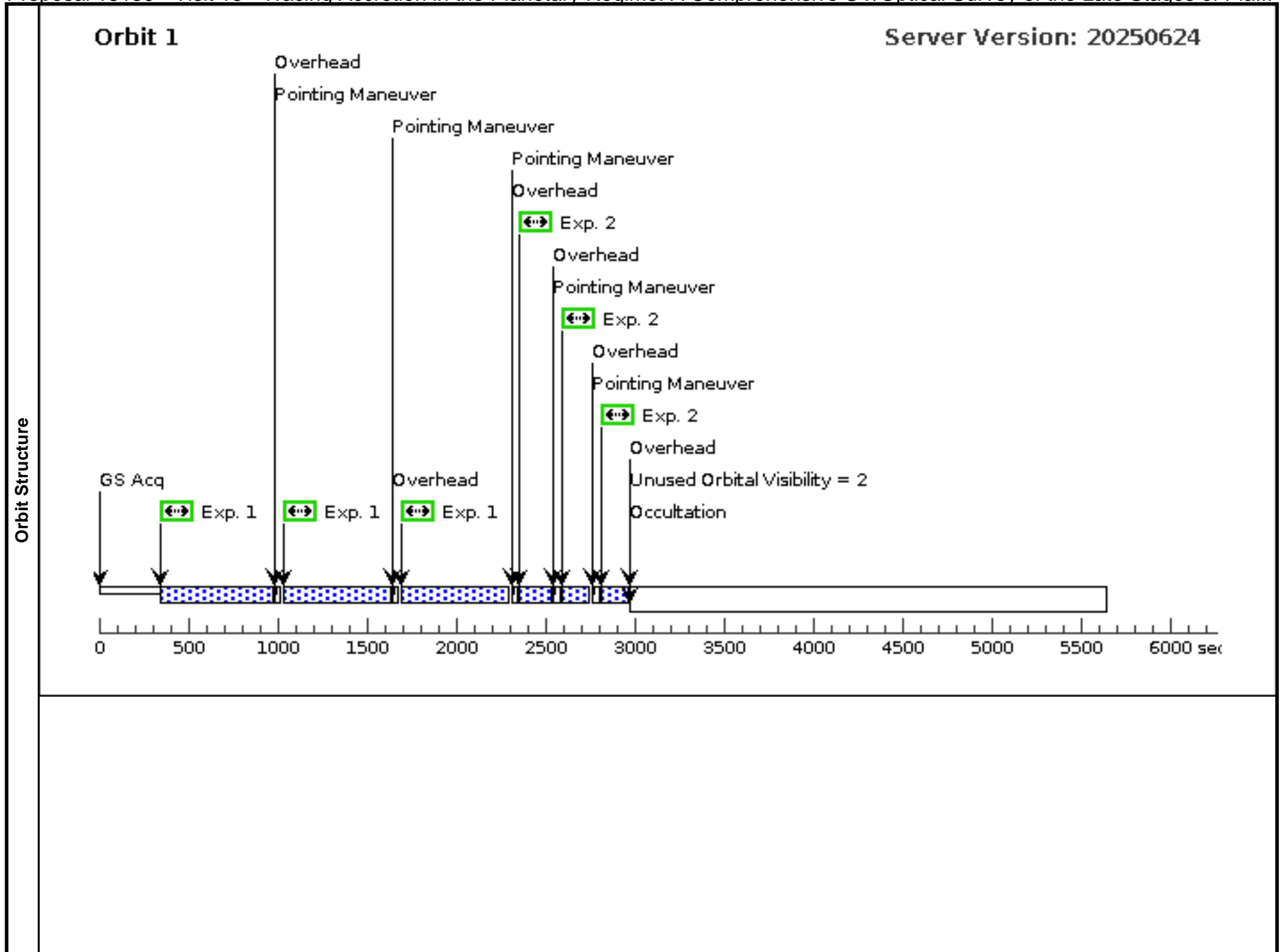


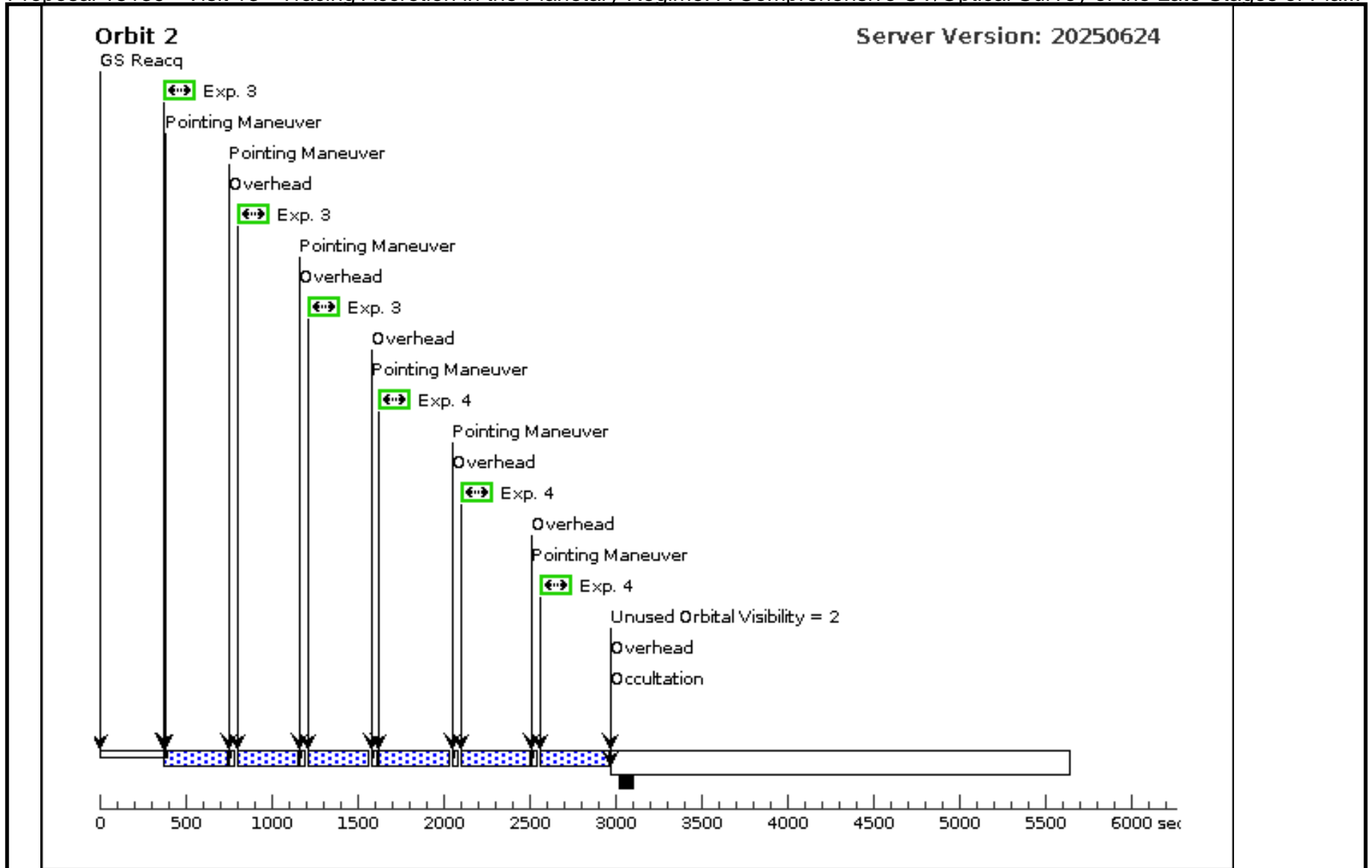


Proposal 18139 - Visit 13 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 13 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|--|--|--|---|--------------------|-----------------------|---------------|-------------------------------------|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (13) | USCO-UGCS-J161512.68-222949.0 | RA: 16 15 12.6852 (243.8028550d) Dec: -22 29 49.08 (-22.49697d) Equinox: J2000 | Proper Motion RA: 40.56 mas/yr Proper Motion Dec: -5.270000065138447 mas/yr Epoch of Position: 2000 | V=(?) J=19.34 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (13) USCO-UGCS-J161512.68-222949.0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 in Visit 13 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (13) USCO-UGCS-J161512.68-222949.0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 in Visit 13 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (13) USCO-UGCS-J161512.68-222949.0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 in Visit 13 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (13) USCO-UGCS-J161512.68-222949.0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 in Visit 13 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

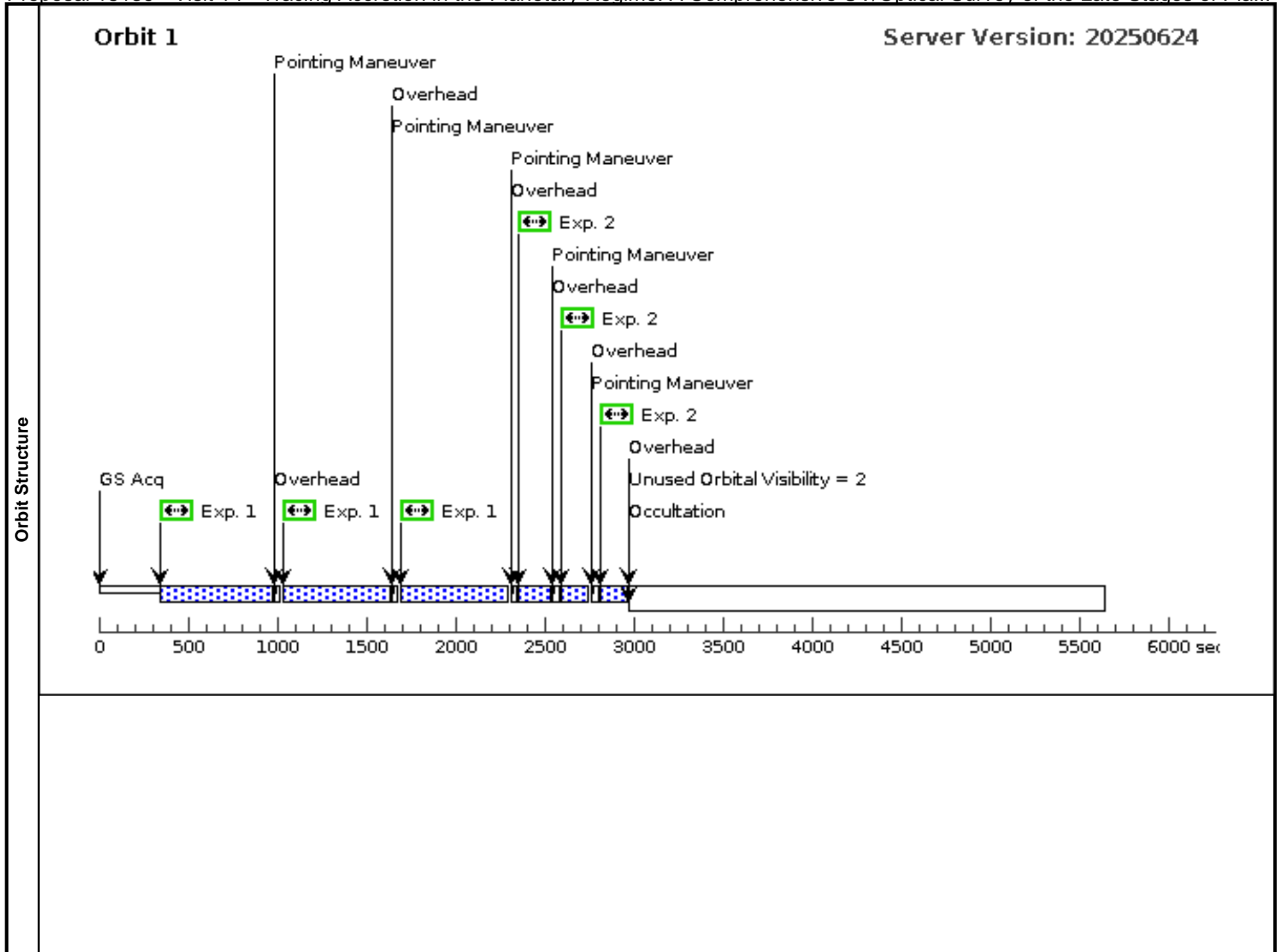


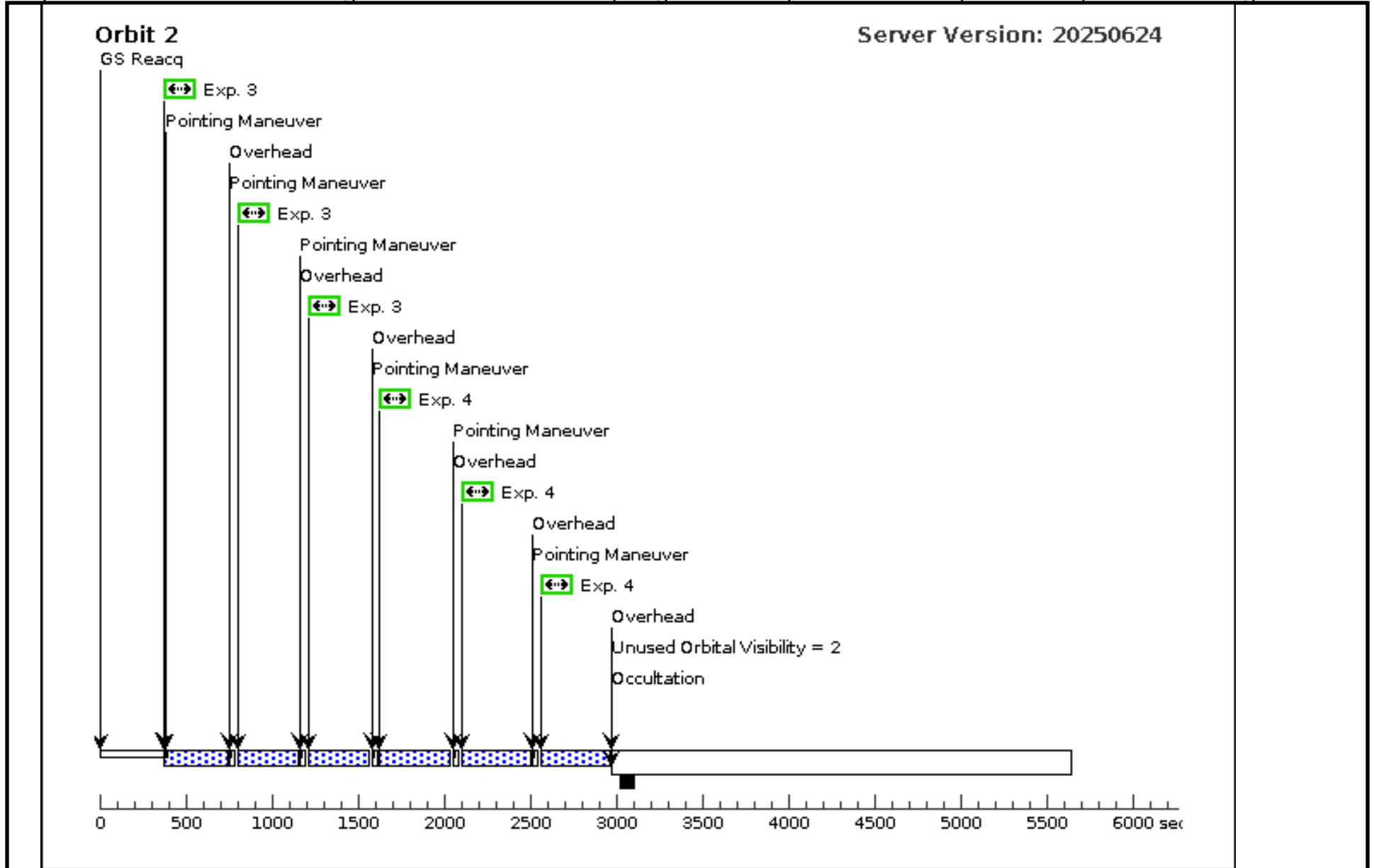


Proposal 18139 - Visit 14 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 14 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|--|--|--|--------------------|-----------------------|---|--|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (14) | USCO-UGCS- J160918.67-222923.8 | RA: 16 09 18.6792 (242.3278300d) Dec: -22 29 23.84 (-22.48996d) Equinox: J2000 | Proper Motion RA: 1.849999999999999 mas/yr Proper Motion Dec: -1.4500000816042302 mas/yr Epoch of Position: 2000 | V=(?) J=17.9 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (14) USCO-UGCS-J 160918.67-222923.8 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 14 (1) | 600 Secs (1800 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (14) USCO-UGCS-J 160918.67-222923.8 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 14 (1) | 150 Secs (450 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| 3 | | (14) USCO-UGCS-J 160918.67-222923.8 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 14 (1) | 350 Secs (1050 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |
| 4 | | (14) USCO-UGCS-J 160918.67-222923.8 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 14 (1) | 400 Secs (1200 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

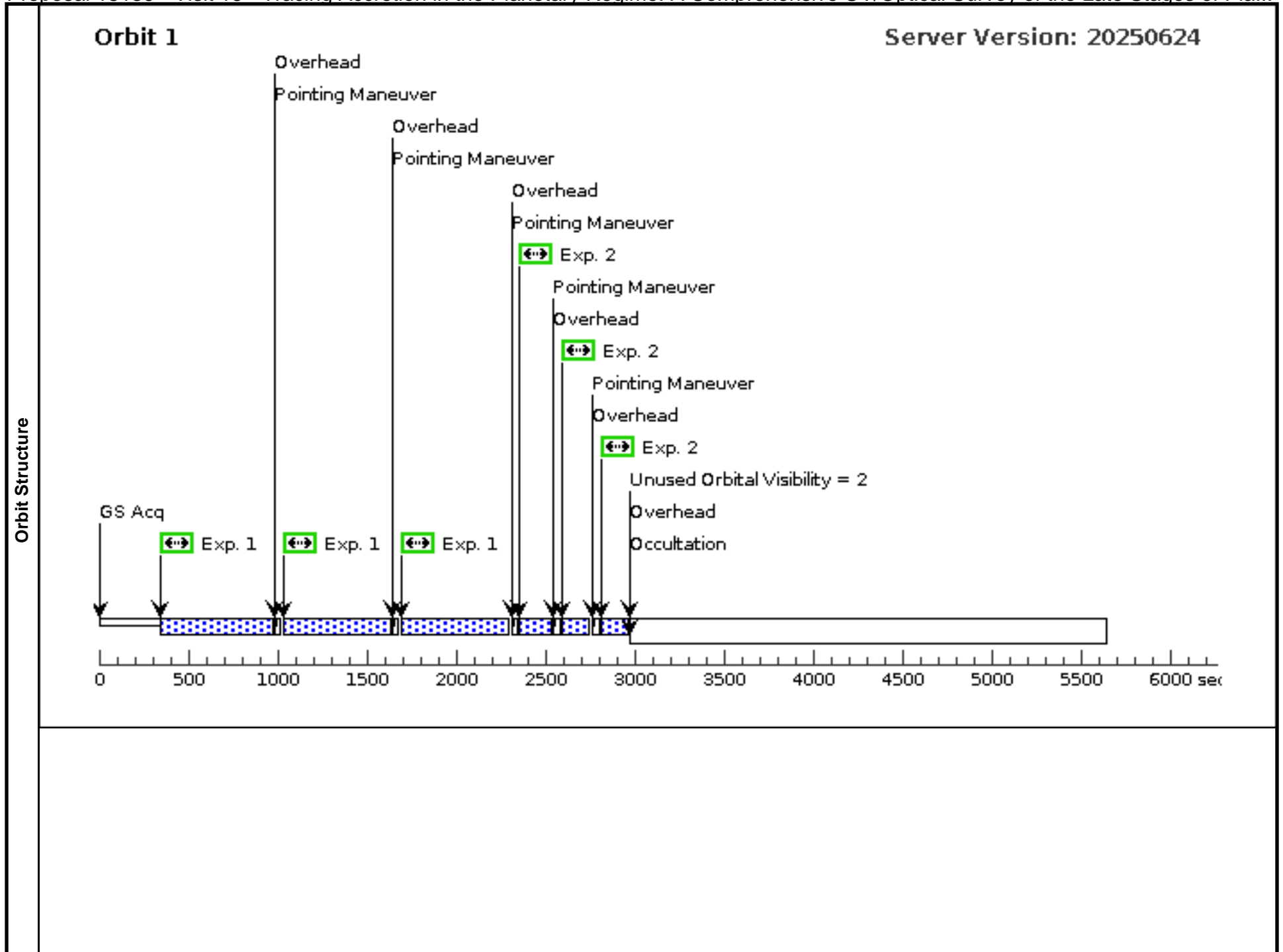


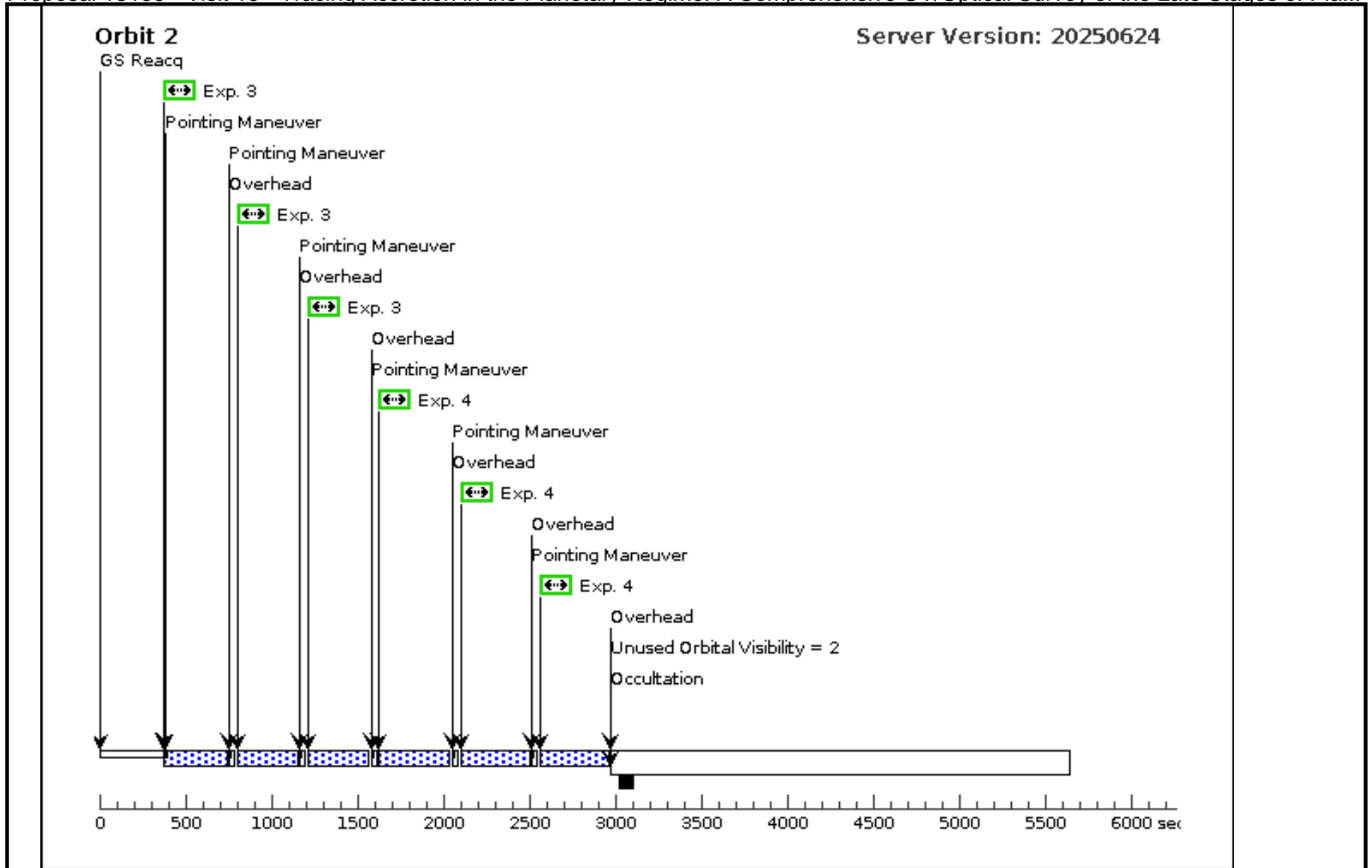


Proposal 18139 - Visit 15 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 15 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|--|--|---|--------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (15) | USCO-UGCS- J160731.61-214654.4 | RA: 16 07 31.6195 (241.8817479d) Dec: -21 46 54.42 (-21.78178d) Equinox: J2000 | Proper Motion RA: -18.64 mas/yr Proper Motion Dec: -2.3900000314824865 mas/yr Epoch of Position: 2000 | V=(?) J=18 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (15) USCO-UGCS-J 160731.61-214654.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 15 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (15) USCO-UGCS-J 160731.61-214654.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 15 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (15) USCO-UGCS-J 160731.61-214654.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 15 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (15) USCO-UGCS-J 160731.61-214654.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 15 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

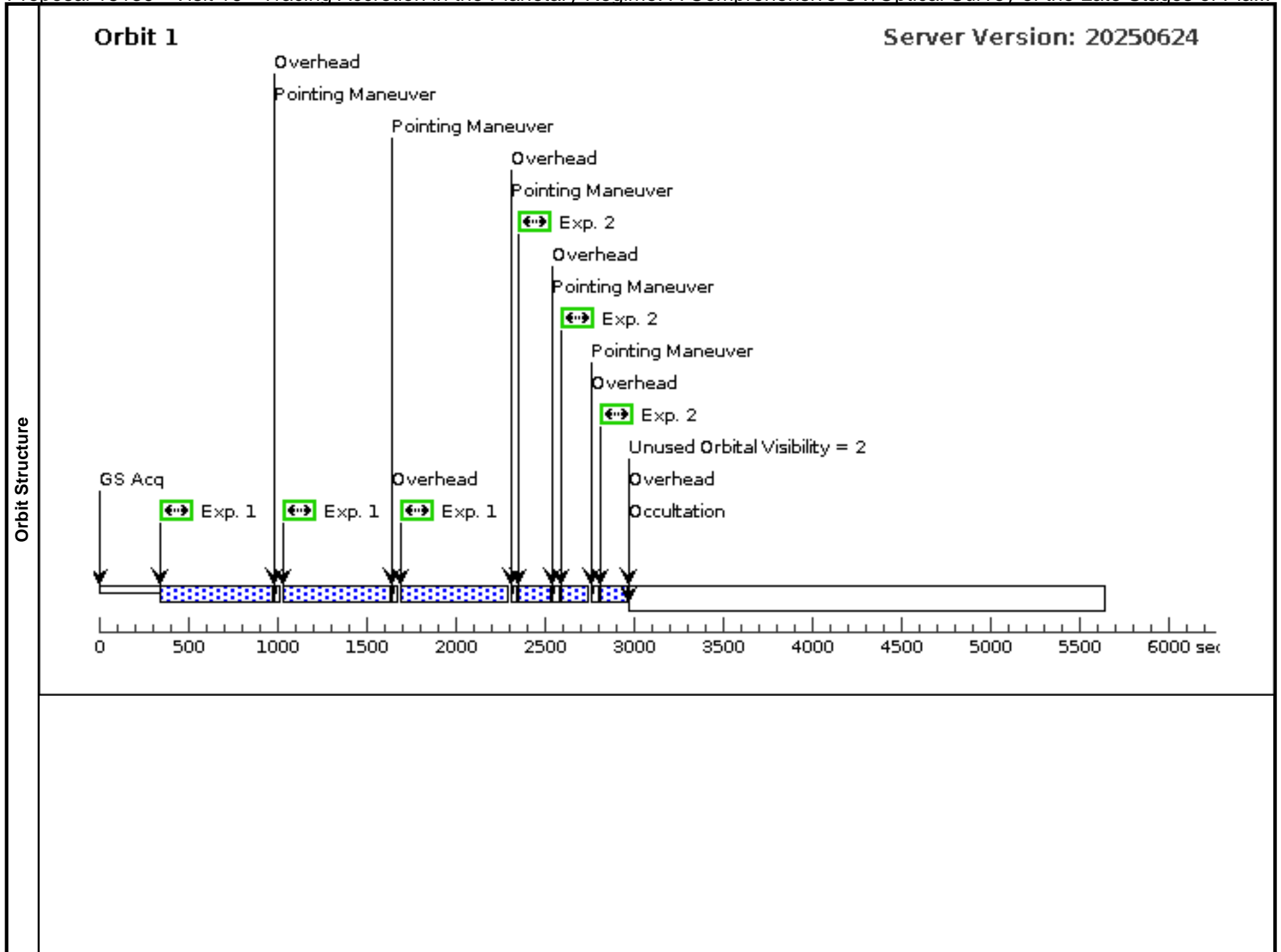


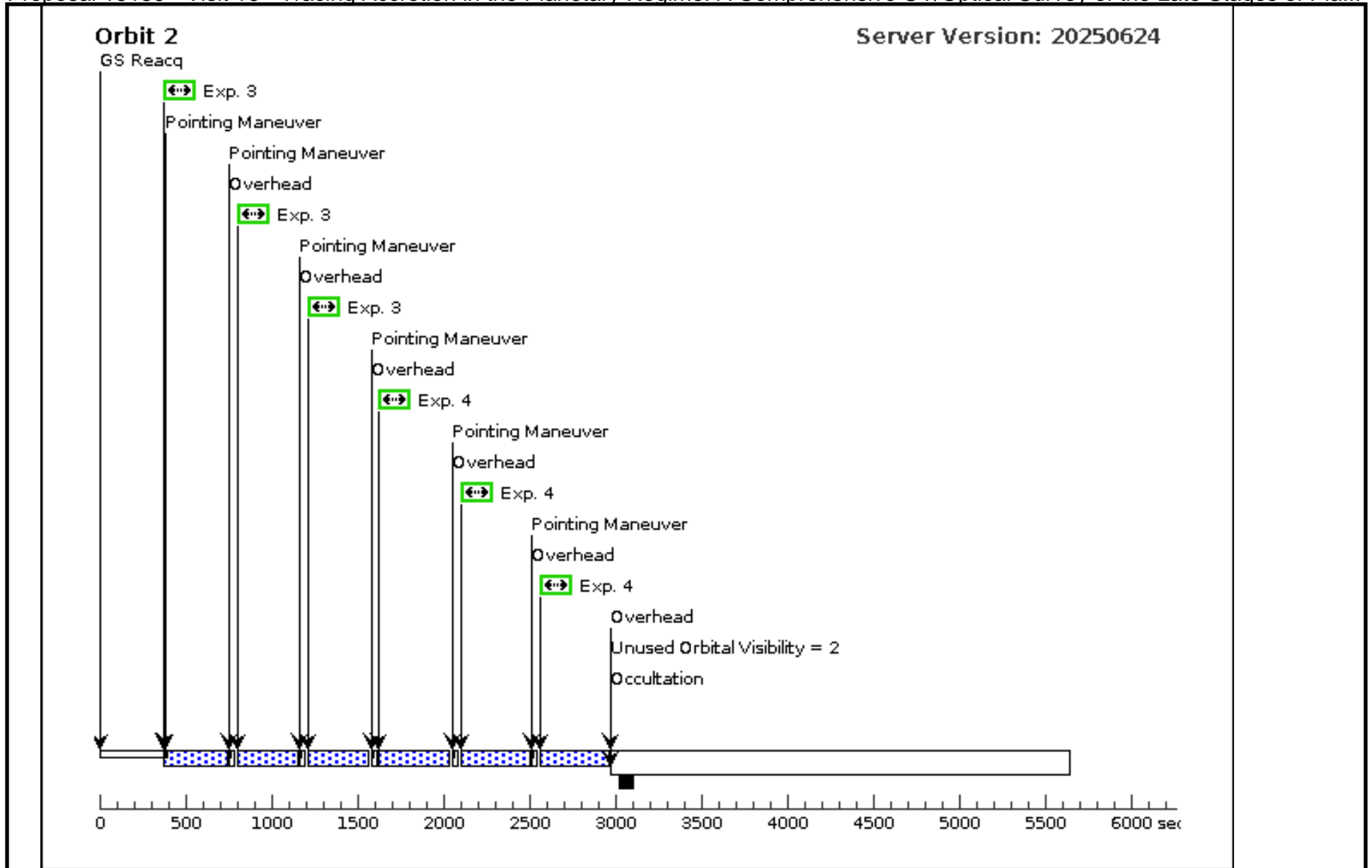


Proposal 18139 - Visit 16 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 16 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|-----------------------------------|--|--|-----------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (16) | USCO-UGCS- J161144.36-221544.4 | RA: 16 11 44.3686 (242.9348692d) Dec: -22 15 44.50 (-22.26236d) Equinox: J2000 | Proper Motion RA: -6.61 mas/yr Proper Motion Dec: -11.51999929987534 mas/yr Epoch of Position: 2000 | V=(?) J=17.8 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (16) USCO-UGCS-J 161144.36-221544.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 16 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (16) USCO-UGCS-J 161144.36-221544.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 16 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (16) USCO-UGCS-J 161144.36-221544.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 16 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (16) USCO-UGCS-J 161144.36-221544.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 16 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

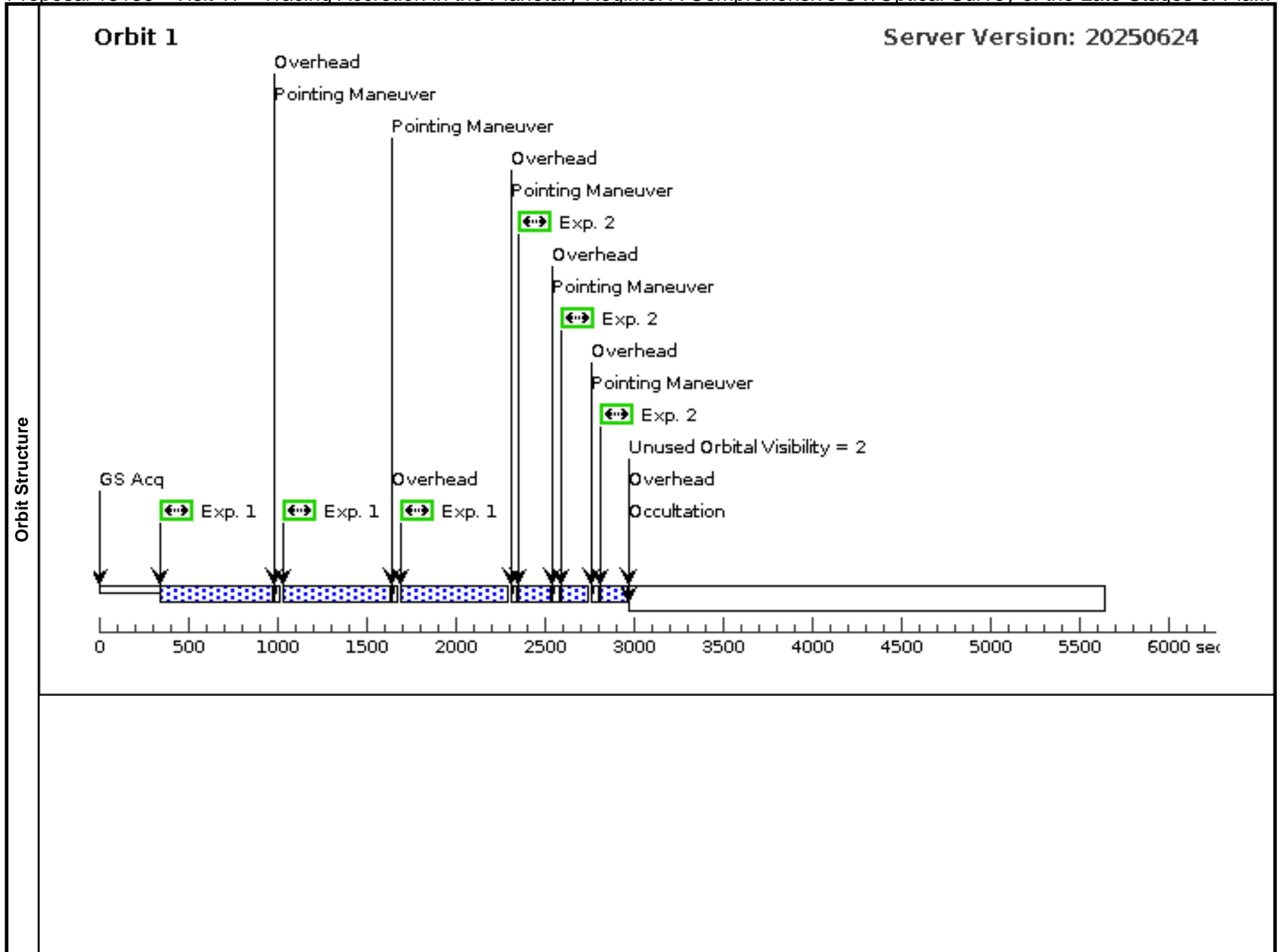


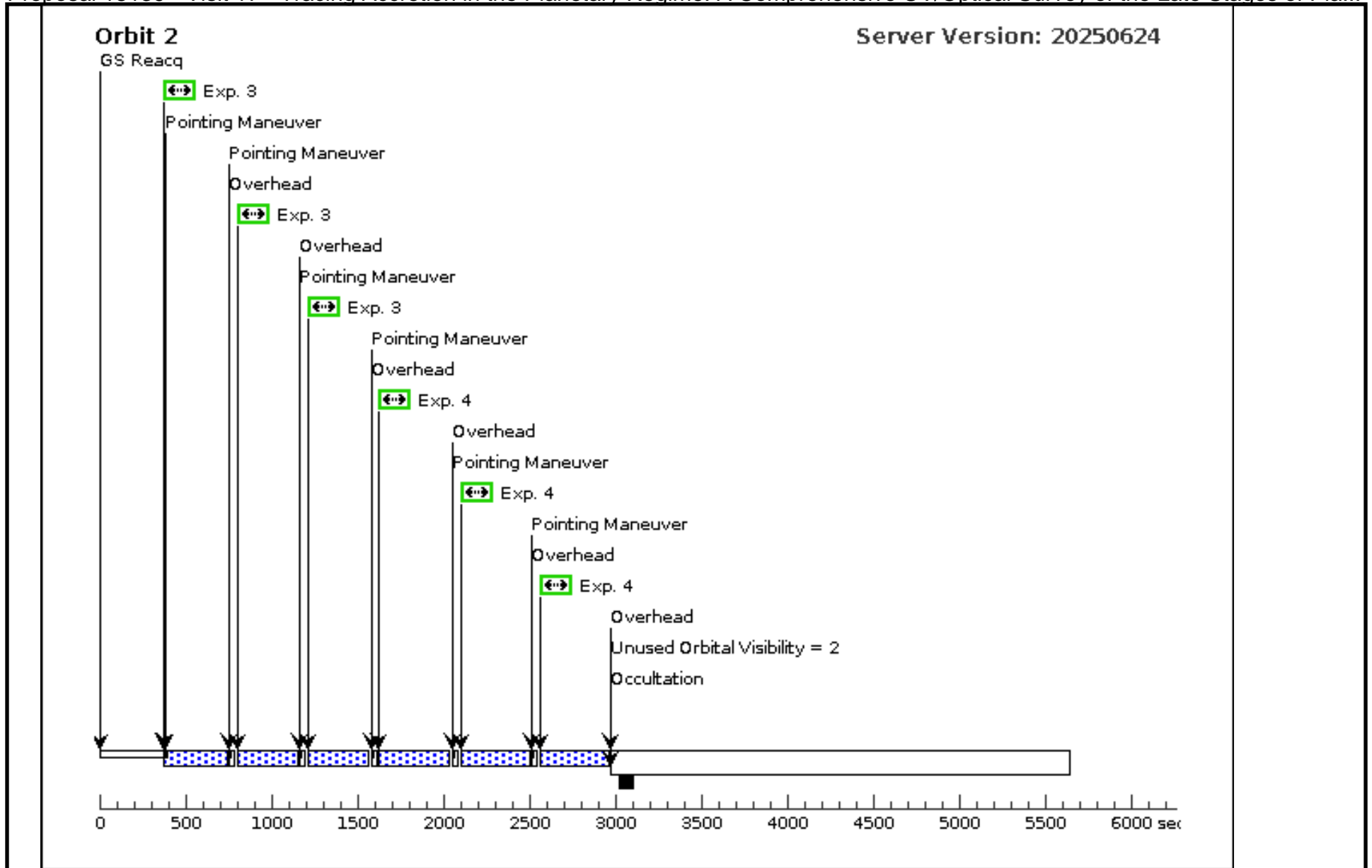


Proposal 18139 - Visit 17 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 17 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|--|--|---|--------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (17) | USCO-DANCE- J16053908-2403330 | RA: 16 05 39.0878 (241.4128658d) Dec: -24 03 32.65 (-24.05907d) Equinox: J2000 | Proper Motion RA: 0.44 mas/yr Proper Motion Dec: -18.49999991918594 mas/yr Epoch of Position: 2000 | V=(?) J=18.3 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (17) USCO-DANCE -J16053908-2403330 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 17 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (17) USCO-DANCE -J16053908-2403330 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 17 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (17) USCO-DANCE -J16053908-2403330 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 17 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (17) USCO-DANCE -J16053908-2403330 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 17 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

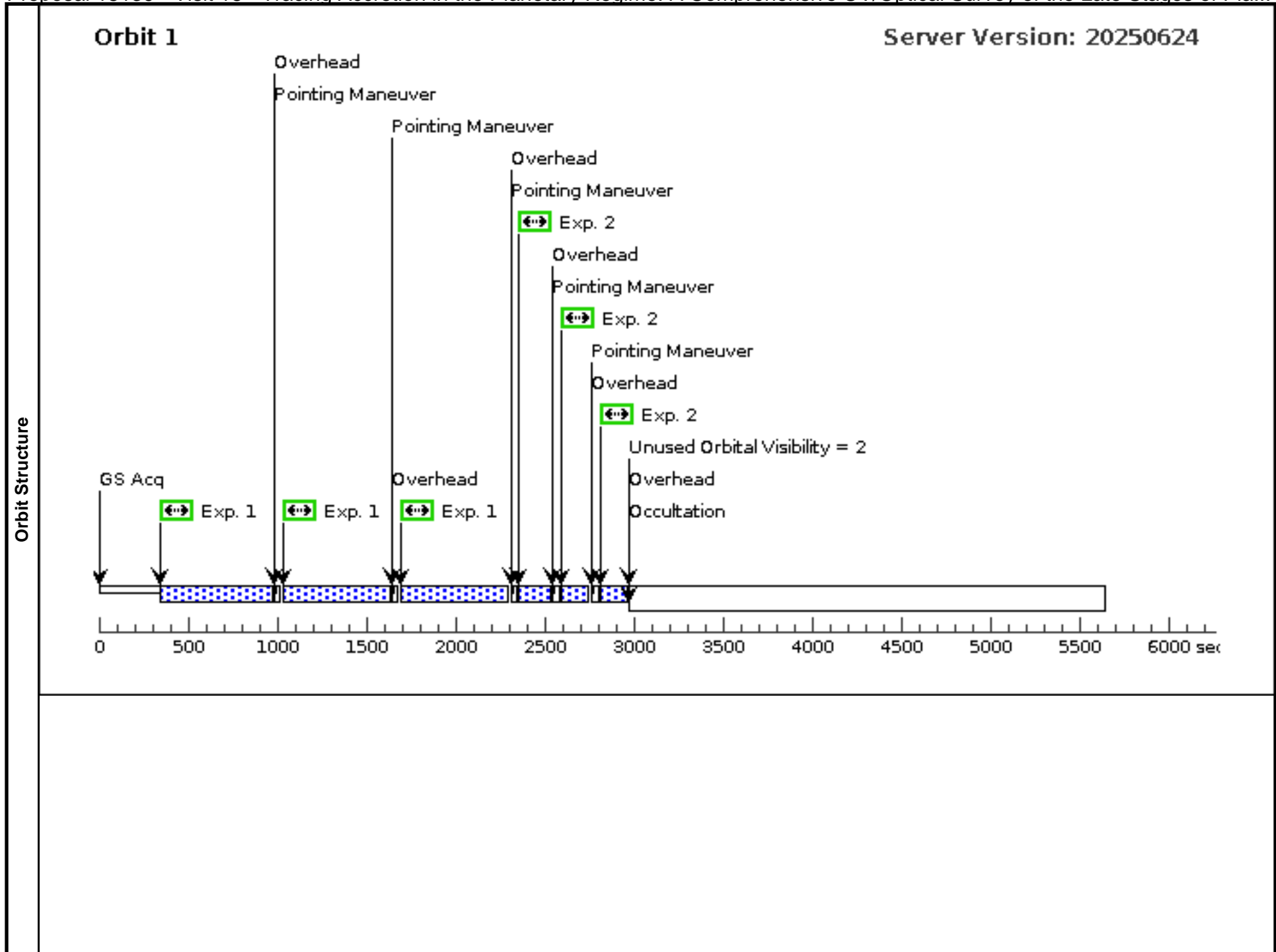


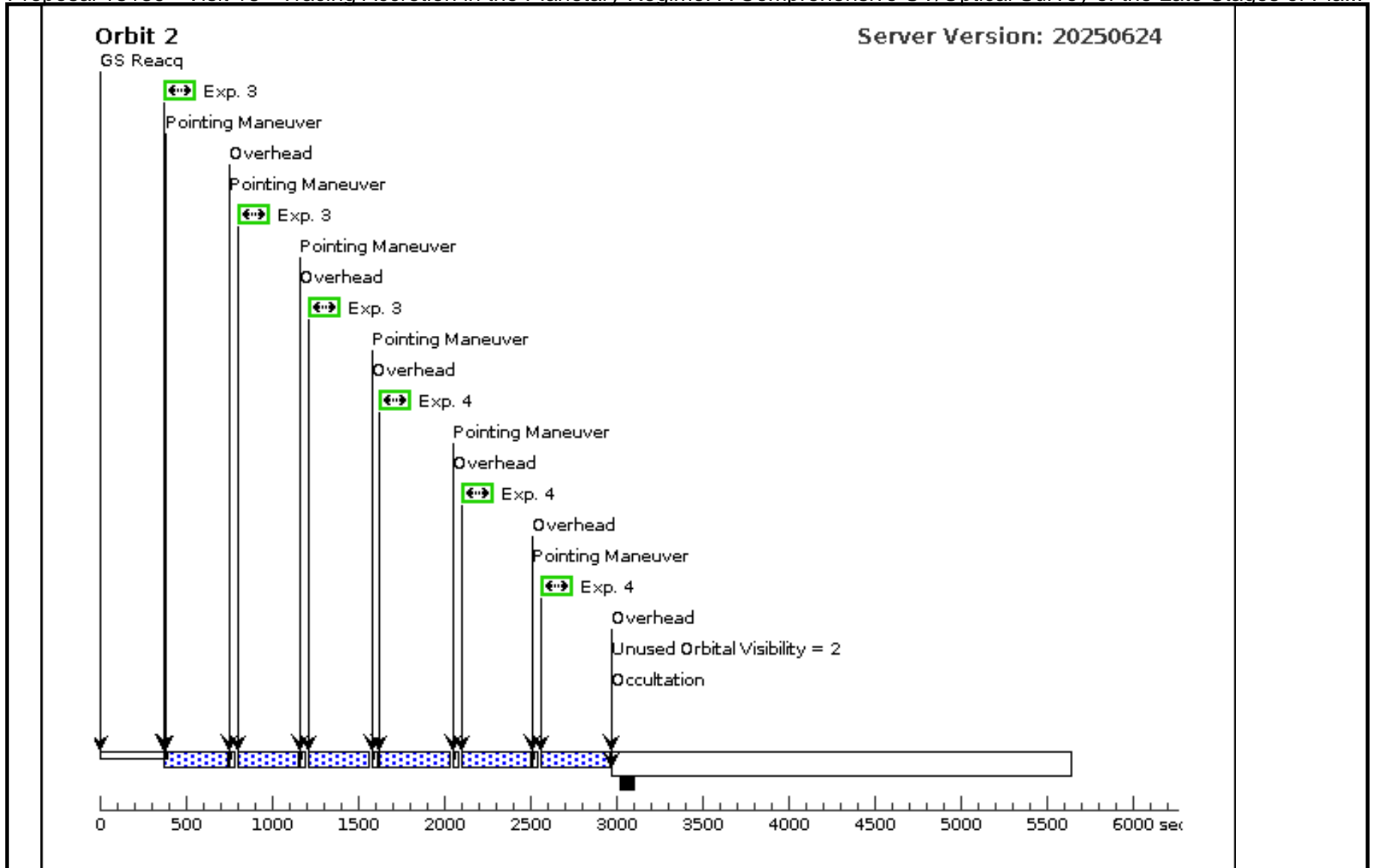


Proposal 18139 - Visit 18 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 18 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---|--|-----------------------------------|--|--|-----------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (18) | USCO-UGCS- J160413.03-224103.2 | RA: 16 04 13.0373 (241.0543221d) Dec: -22 41 3.22 (-22.68423d) Equinox: J2000 | Proper Motion RA: 0.45 mas/yr Proper Motion Dec: -44.4600007192197 mas/yr Epoch of Position: 2000 | V=(?) J=18.2 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (18) USCO-UGCS-J 160413.03-224103.2 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 18 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (18) USCO-UGCS-J 160413.03-224103.2 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 18 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (18) USCO-UGCS-J 160413.03-224103.2 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 18 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (18) USCO-UGCS-J 160413.03-224103.2 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 18 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

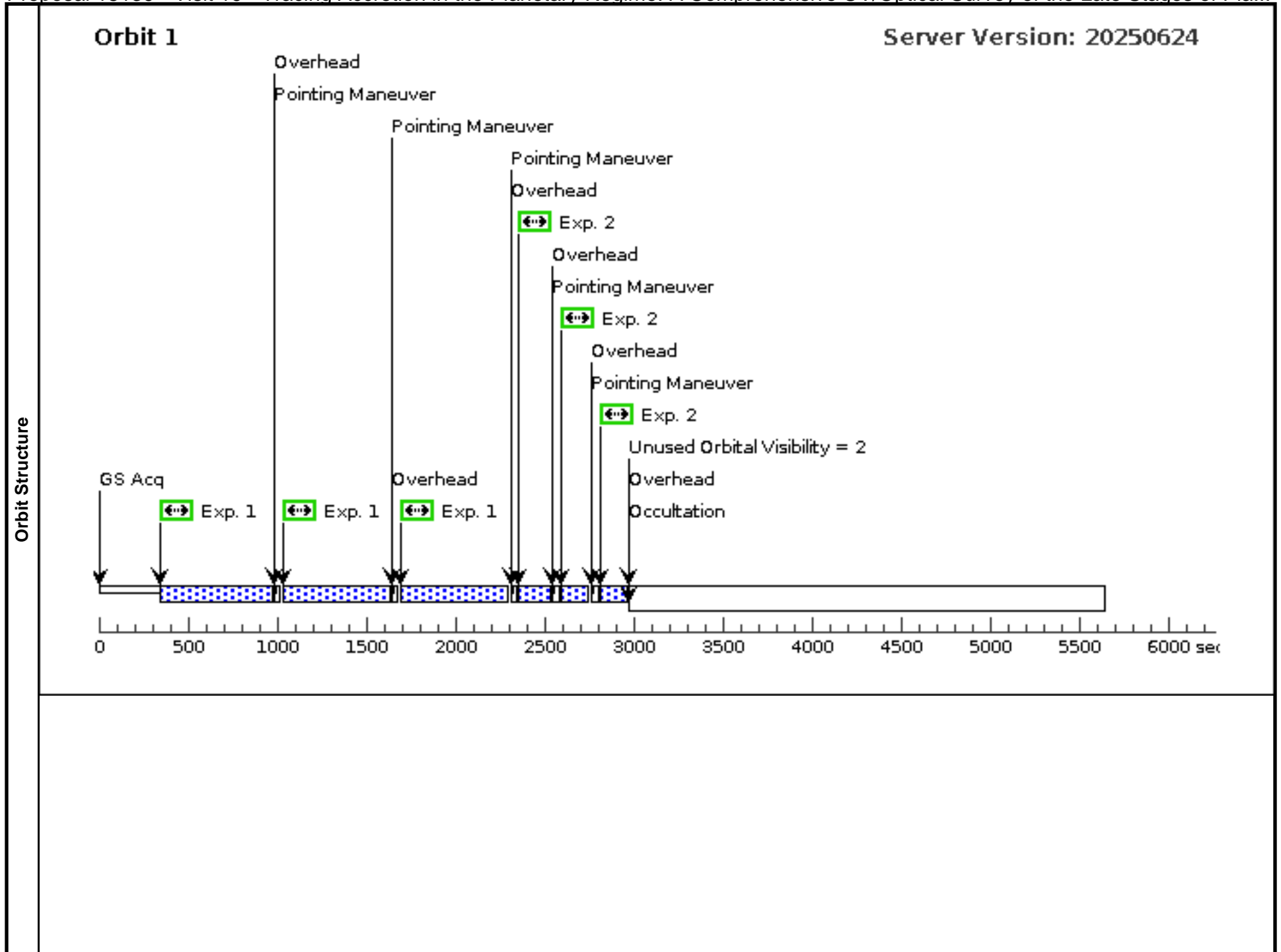


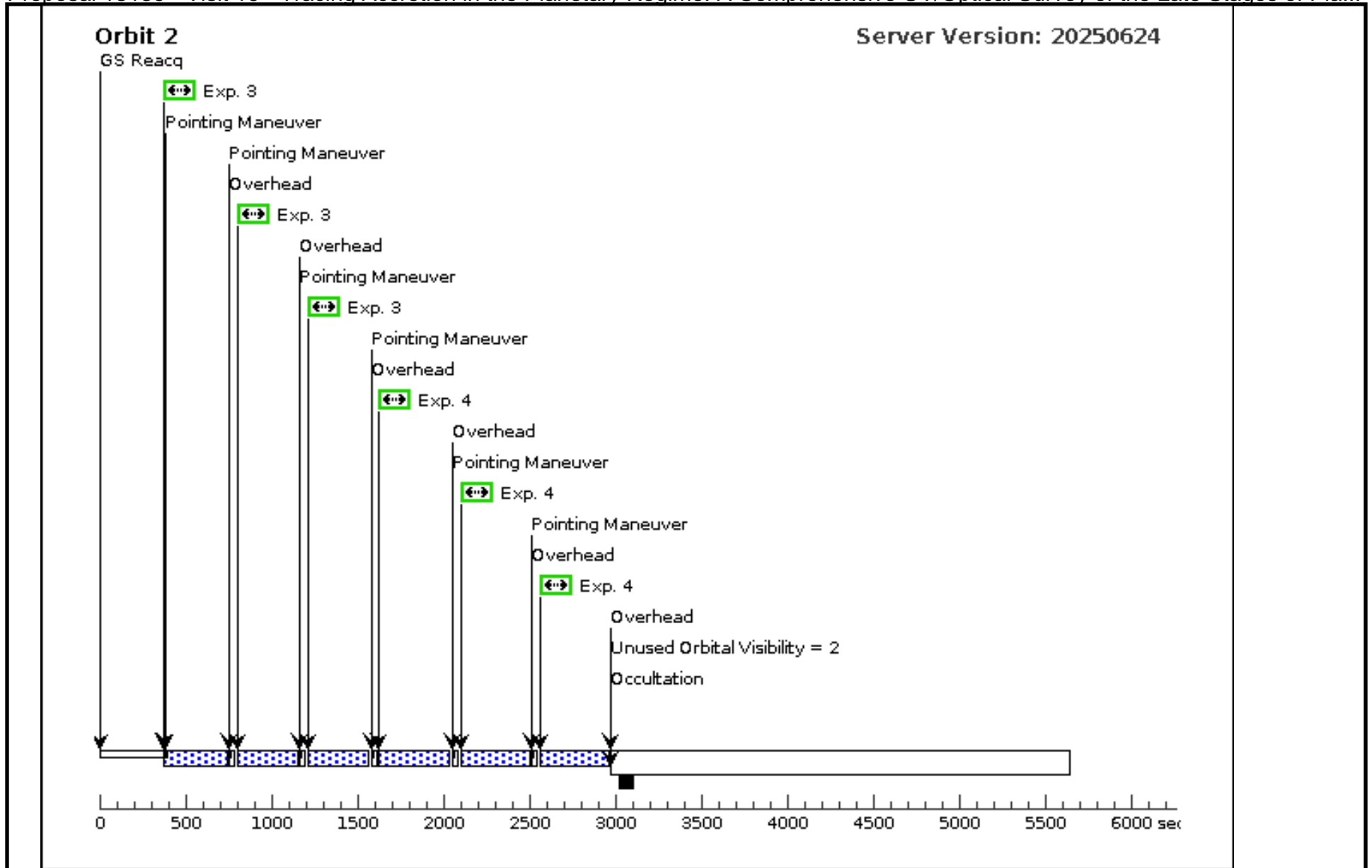


Proposal 18139 - Visit 19 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 19 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|--|--|---|--------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (19) | USCO-UGCS- J160200.00-205733.9 | RA: 16 02 0.0058 (240.5000242d) Dec: -20 57 33.99 (-20.95944d) Equinox: J2000 | Proper Motion RA: -3.93 mas/yr Proper Motion Dec: -27.219999924454896 mas/yr Epoch of Position: 2000 | V=(?) J=18.5 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (19) USCO-UGCS-J 160200.00-205733.9 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 19 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (19) USCO-UGCS-J 160200.00-205733.9 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 19 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (19) USCO-UGCS-J 160200.00-205733.9 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 19 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (19) USCO-UGCS-J 160200.00-205733.9 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 19 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

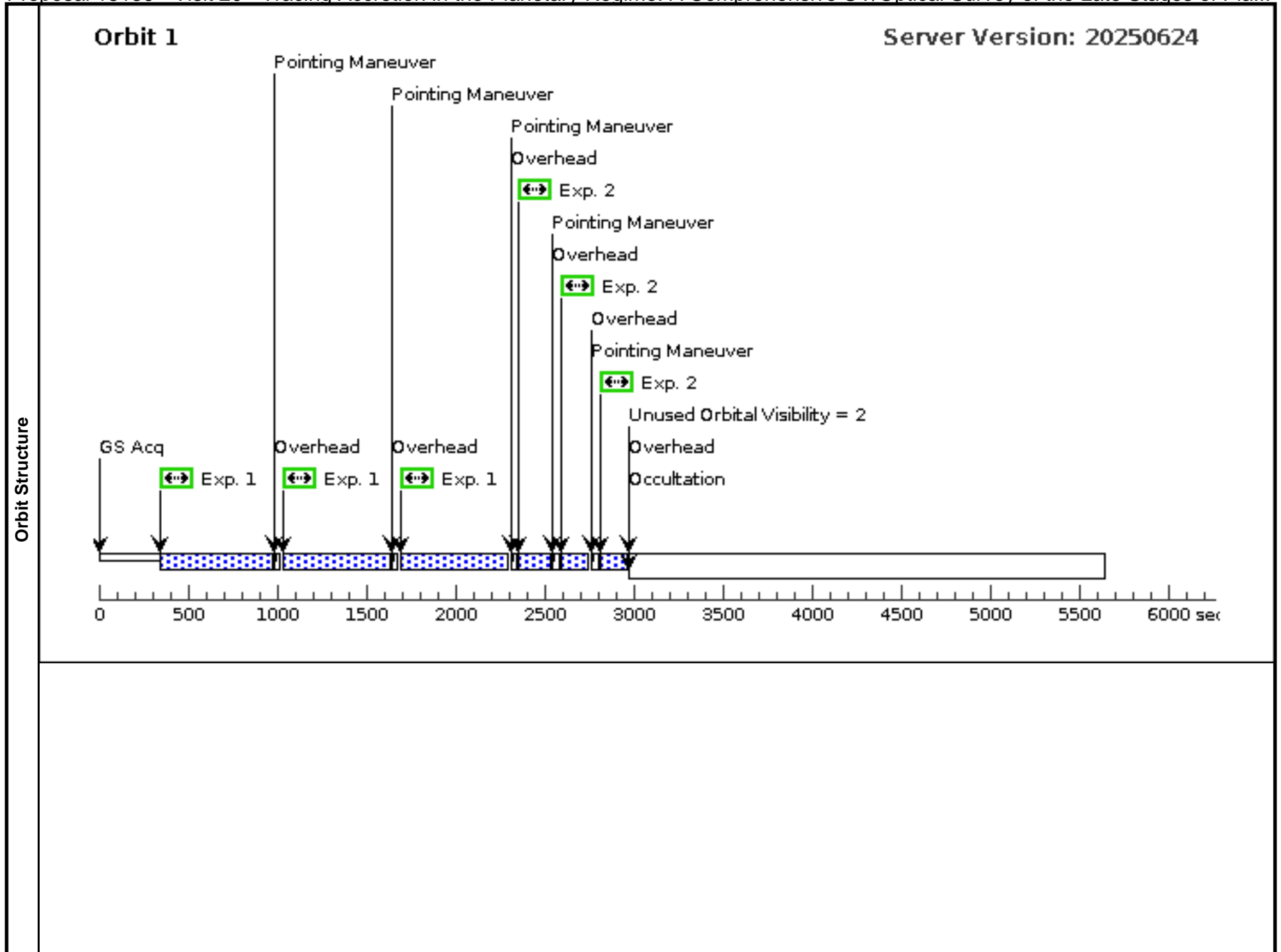


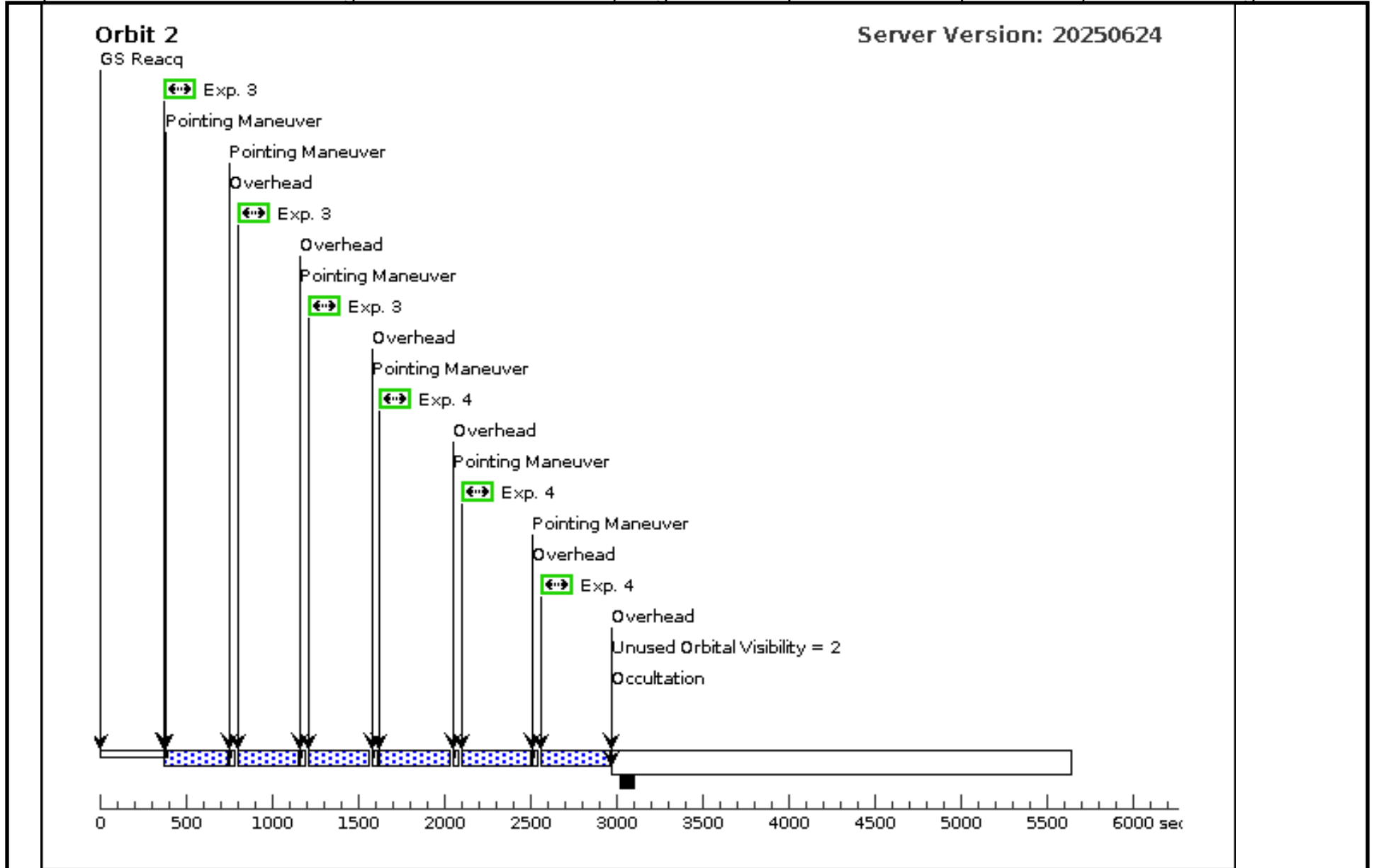


Proposal 18139 - Visit 20 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 20 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|---|--|--|--------------------------------------|--------------------|-----------------------|---|--|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (20) | USCO-UGCS- J155150.24-213457.2 | RA: 15 51 50.2420 (237.9593417d) Dec: -21 34 57.22 (-21.58256d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=18.1 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (20) USCO-UGCS-J 155150.24-213457.2 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 20 (1) | 600 Secs (1800 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (20) USCO-UGCS-J 155150.24-213457.2 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 20 (1) | 150 Secs (450 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| 3 | | (20) USCO-UGCS-J 155150.24-213457.2 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 20 (1) | 350 Secs (1050 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |
| 4 | | (20) USCO-UGCS-J 155150.24-213457.2 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 20 (1) | 400 Secs (1200 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

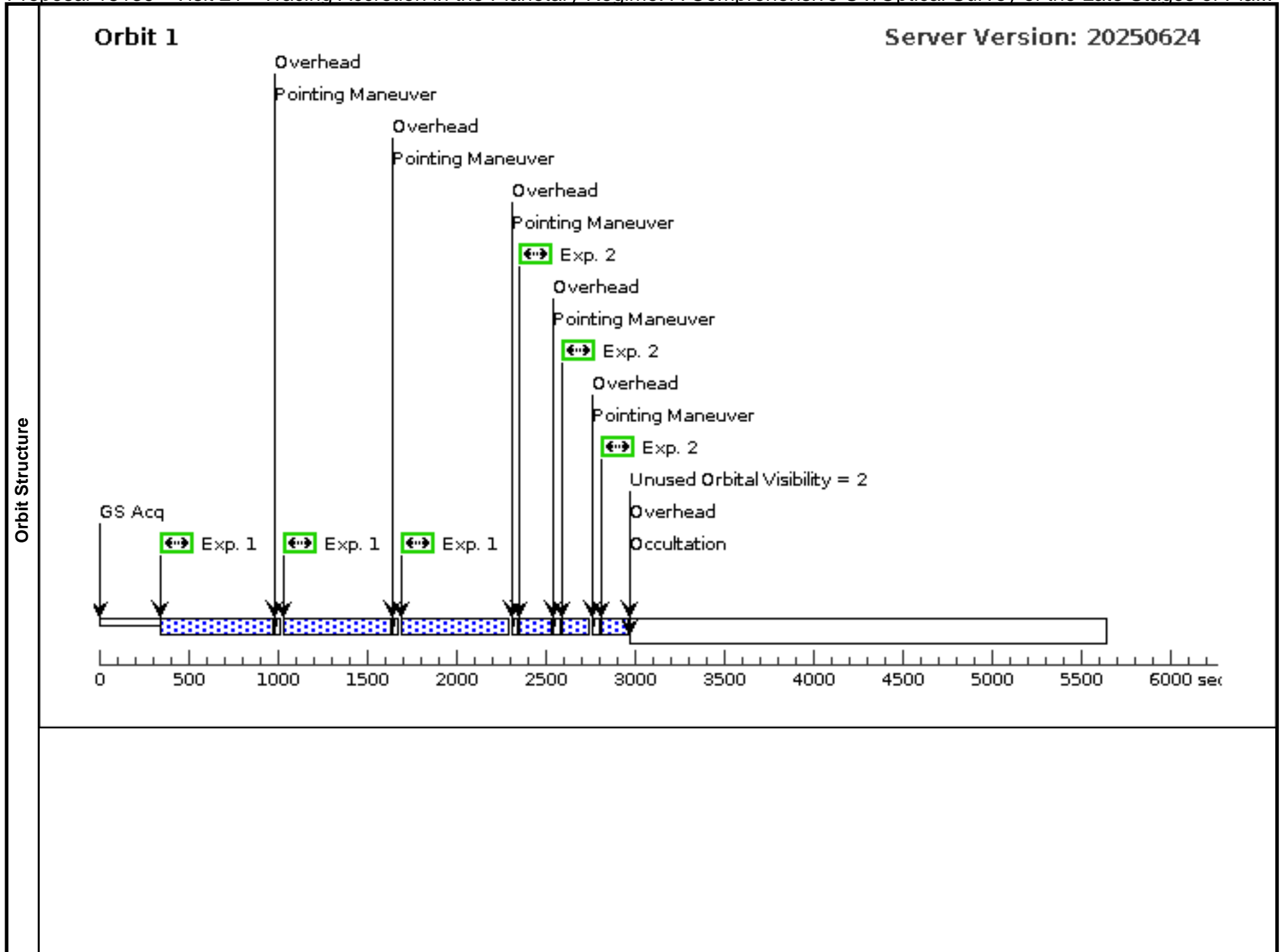


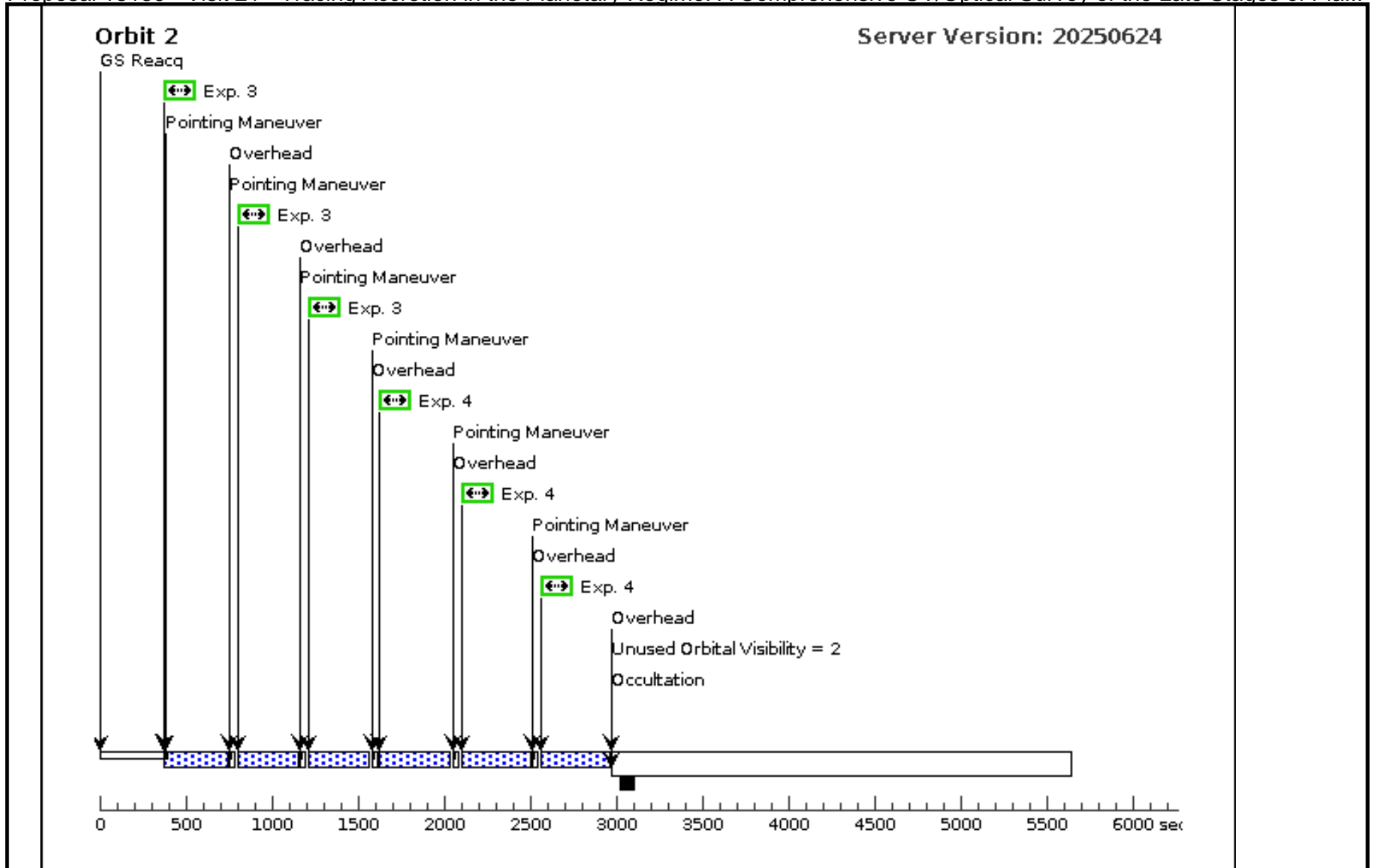


Proposal 18139 - Visit 21 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 21 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|--|--|----------------------------------|--|--|------------------|-----------------------|---------------|---|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (21) | BPMG-2MASS- J21140802-2251358 | RA: 21 14 8.0256 (318.5334400d) Dec: -22 51 35.84 (-22.85996d) Equinox: J2000 | Proper Motion RA: 136.3 mas/yr Proper Motion Dec: -144.29999994263198 mas/yr Parallax: 0.0451" Epoch of Position: 2000 | V=(?) J=17.15 | Reference Frame: ICRS | | | | |
| <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (21) BPMG-2MASS -J21140802-2251358 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 21 (1) | 600 Secs (1800 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (21) BPMG-2MASS -J21140802-2251358 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 21 (1) | 150 Secs (450 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | | (21) BPMG-2MASS -J21140802-2251358 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 21 (1) | 350 Secs (1050 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | | (21) BPMG-2MASS -J21140802-2251358 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 21 (1) | 400 Secs (1200 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |

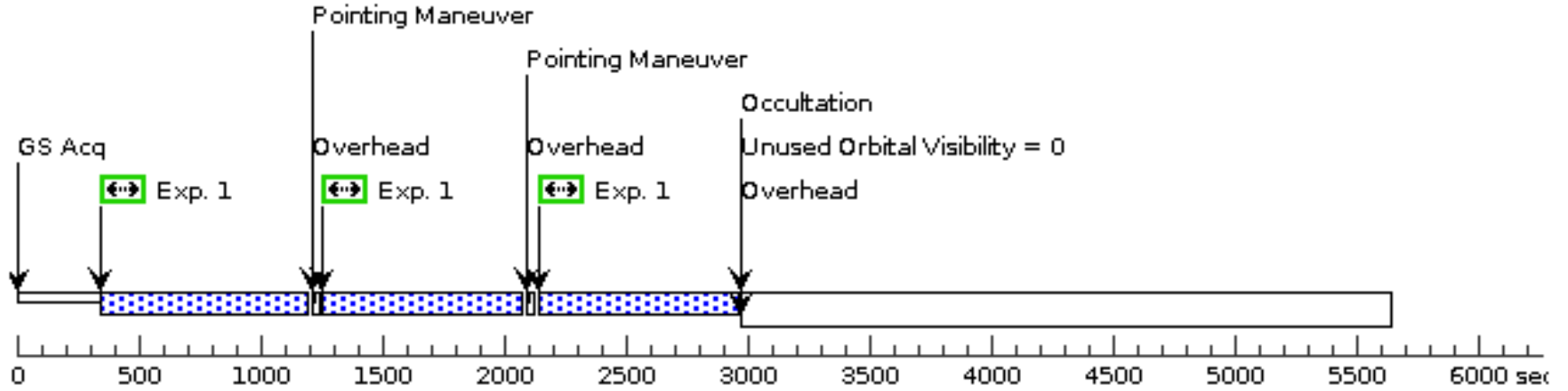




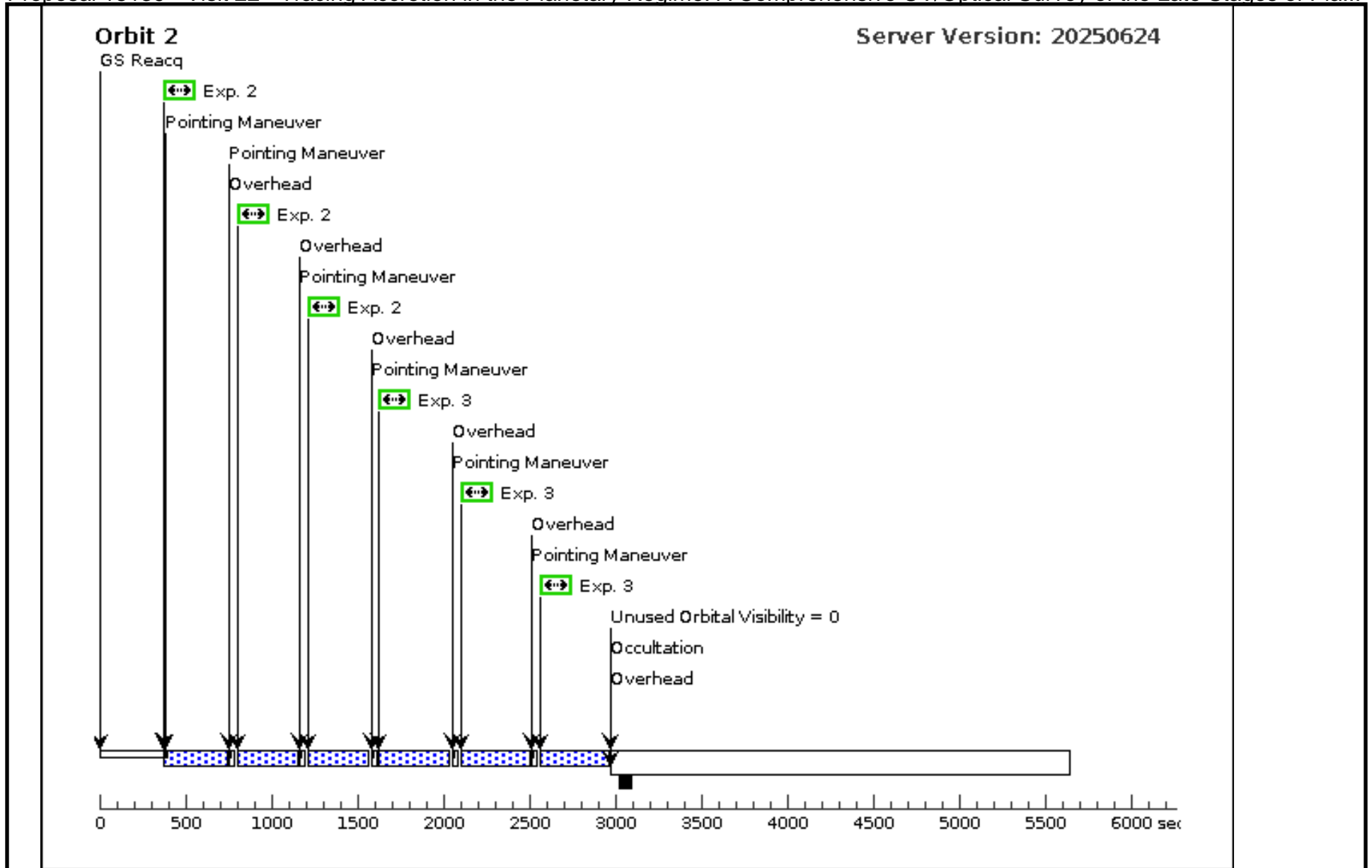
| | | | | | | | | | | |
|---|--|--|---|---|--|--|----------------------|---|---|--------------|
| Visit | Proposal 18139, Visit 22 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
| | (Exposure 1 (Pattern 1, Exps 1-1 in Visit 22)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Diagnosics | | | | | | | | | | |
| | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | | | | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | | (1), (2), (3) | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | Miscellaneous | | |
| | (22) | BPMG-CWISE- J050626.96+073842.4 | RA: 05 06 26.9400 (76.6122500d) Dec: +07 38 43.60 (7.64544d) Equinox: J2000 | | Proper Motion RA: 31.5 mas/yr Proper Motion Dec: -82.69999996173283 mas/yr Epoch of Position: 2000 | | V=(?) J=18.5 | Reference Frame: ICRS | | |
| Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (22) BPMG-CWISE- J050626.96+073842.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB 4 | F625W | FLASH=10 | | Pattern 1, Exps 1-1 i n Visit 22 (1) | 825 Secs (2475 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (22) BPMG-CWISE- J050626.96+073842.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB 4 | F336W | FLASH=20 | | Pattern 1, Exps 2-2 i n Visit 22 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 3 | | (22) BPMG-CWISE- J050626.96+073842.4 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB 4 | F656N | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 22 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

Orbit 1

Server Version: 20250624



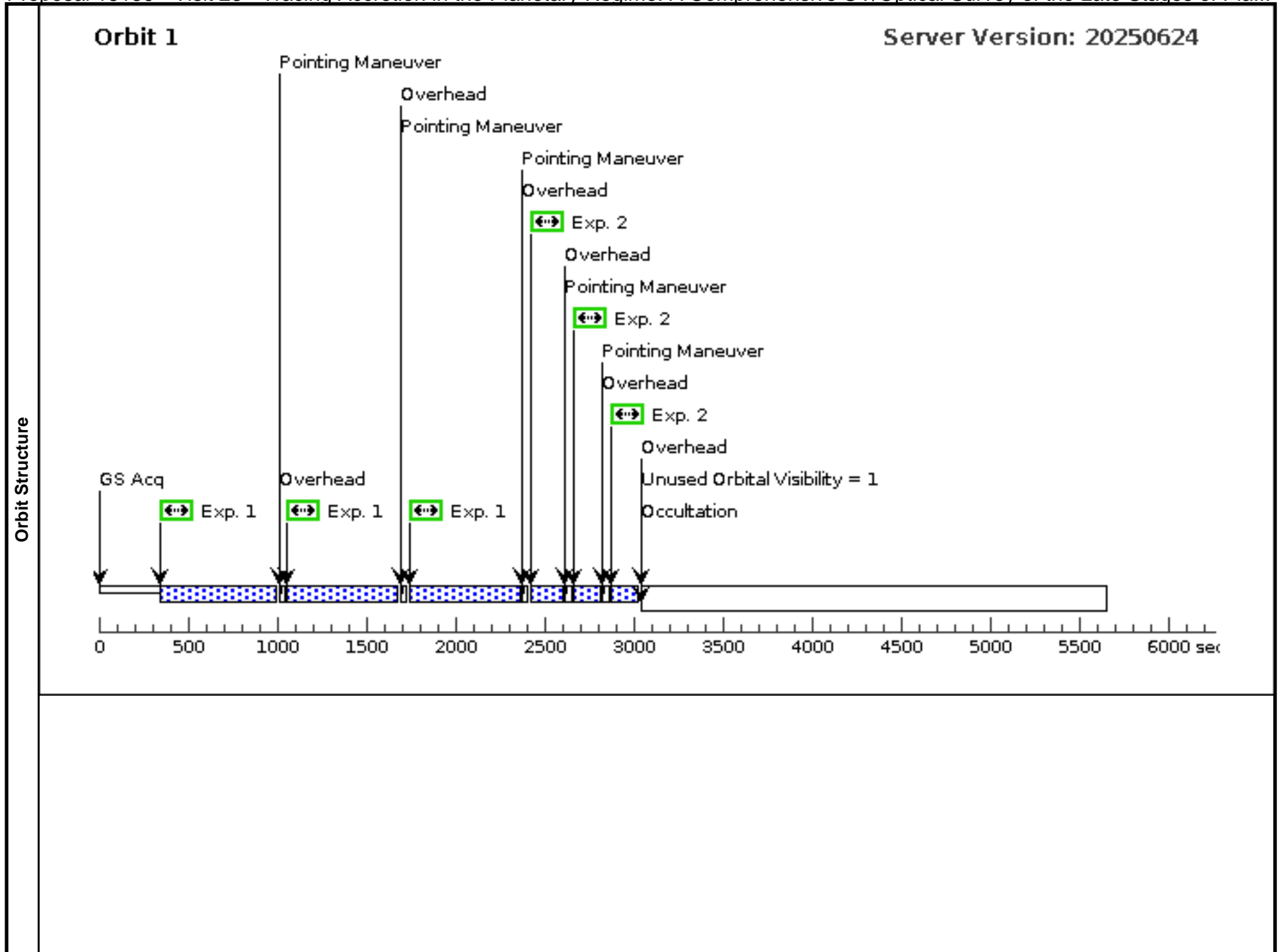
Orbit Structure

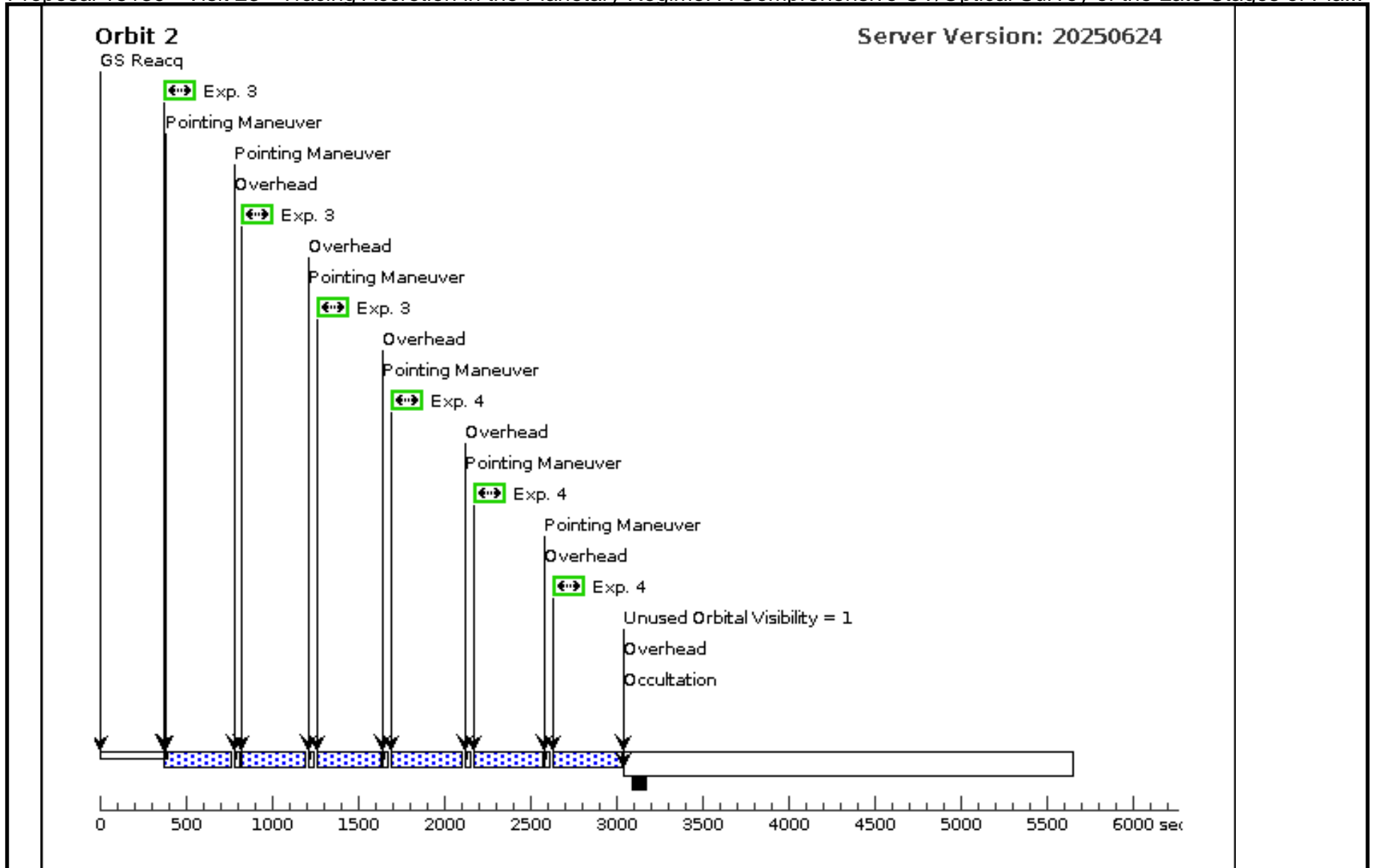


Proposal 18139 - Visit 23 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 23 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---|--|--|--|---|--------------------|-----------------------|---------------|---|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (23) | BPMG-2MASS- J18103569-5513435 | RA: 18 10 35.7127 (272.6488029d) Dec: -55 13 43.60 (-55.22878d) Equinox: J2000 | Proper Motion RA: 5.807 mas/yr Proper Motion Dec: -90.37199993144895 mas/yr Parallax: 0.020700700000000002" Epoch of Position: 2000 | V=(?) J=15.1 | Reference Frame: ICRS | | | | |
| <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></p> <p><i>SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.</i></p> <p><i>Category=STAR</i> <i>Description=[BROWN DWARF, EXTRA-SOLAR PLANET]</i> <i>Extended=NO</i></p> | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (23) BPMG-2MASS -J18103569-5513435 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 23 (1) | 622 Secs (1866 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (23) BPMG-2MASS -J18103569-5513435 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 23 (1) | 150 Secs (450 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | | (23) BPMG-2MASS -J18103569-5513435 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 23 (1) | 372 Secs (1116 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | | (23) BPMG-2MASS -J18103569-5513435 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 23 (1) | 400 Secs (1200 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |

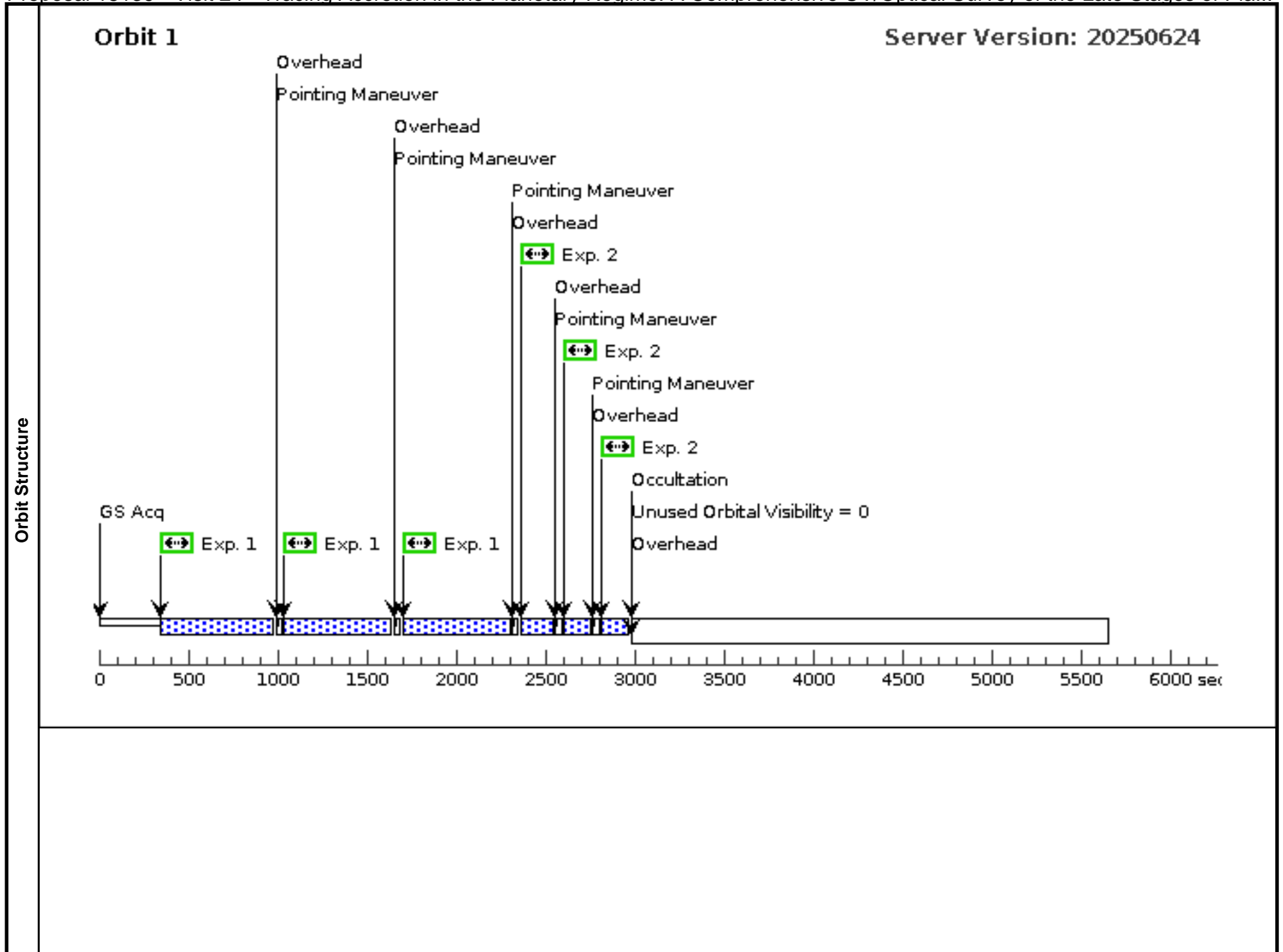


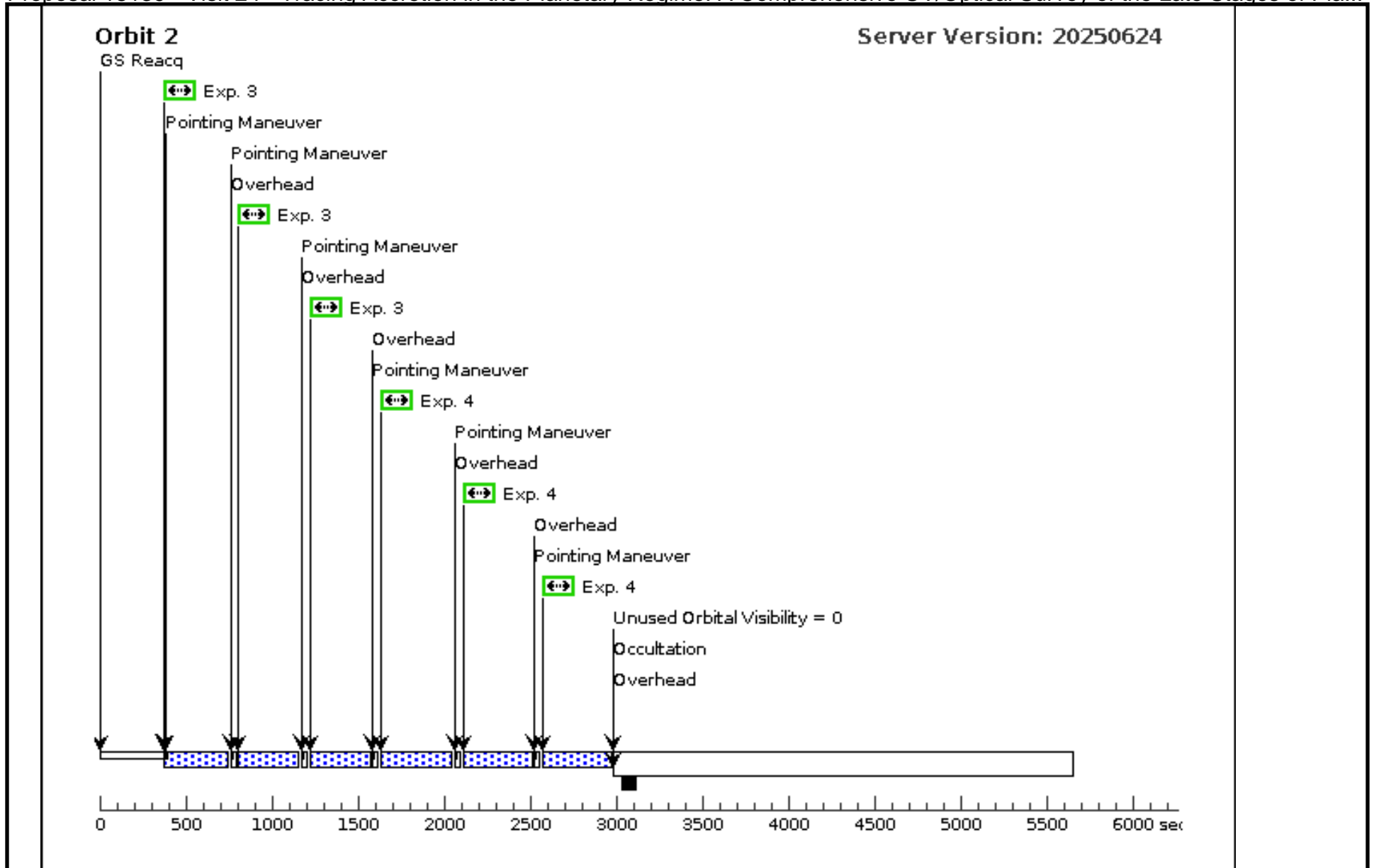


Proposal 18139 - Visit 24 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 24 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|--|--|--|--|--------------------|-----------------------|---------------|-------------------------------------|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (24) | BPMG-2MASSW-J2208136+292121 | RA: 22 08 13.6306 (332.0567942d) Dec: +29 21 21.54 (29.35598d) Equinox: J2000 | Proper Motion RA: 88.9 mas/yr Proper Motion Dec: -25.799999934861262 mas/yr Parallax: 0.0251" Epoch of Position: 2000 | V=(?) J=15.8 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (24) BPMG-2MASSW-J2208136+292121 1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 in Visit 24 (1) | 602 Secs (1806 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (24) BPMG-2MASSW-J2208136+292121 1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 in Visit 24 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (24) BPMG-2MASSW-J2208136+292121 1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 in Visit 24 (1) | 352 Secs (1056 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (24) BPMG-2MASSW-J2208136+292121 1 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 in Visit 24 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

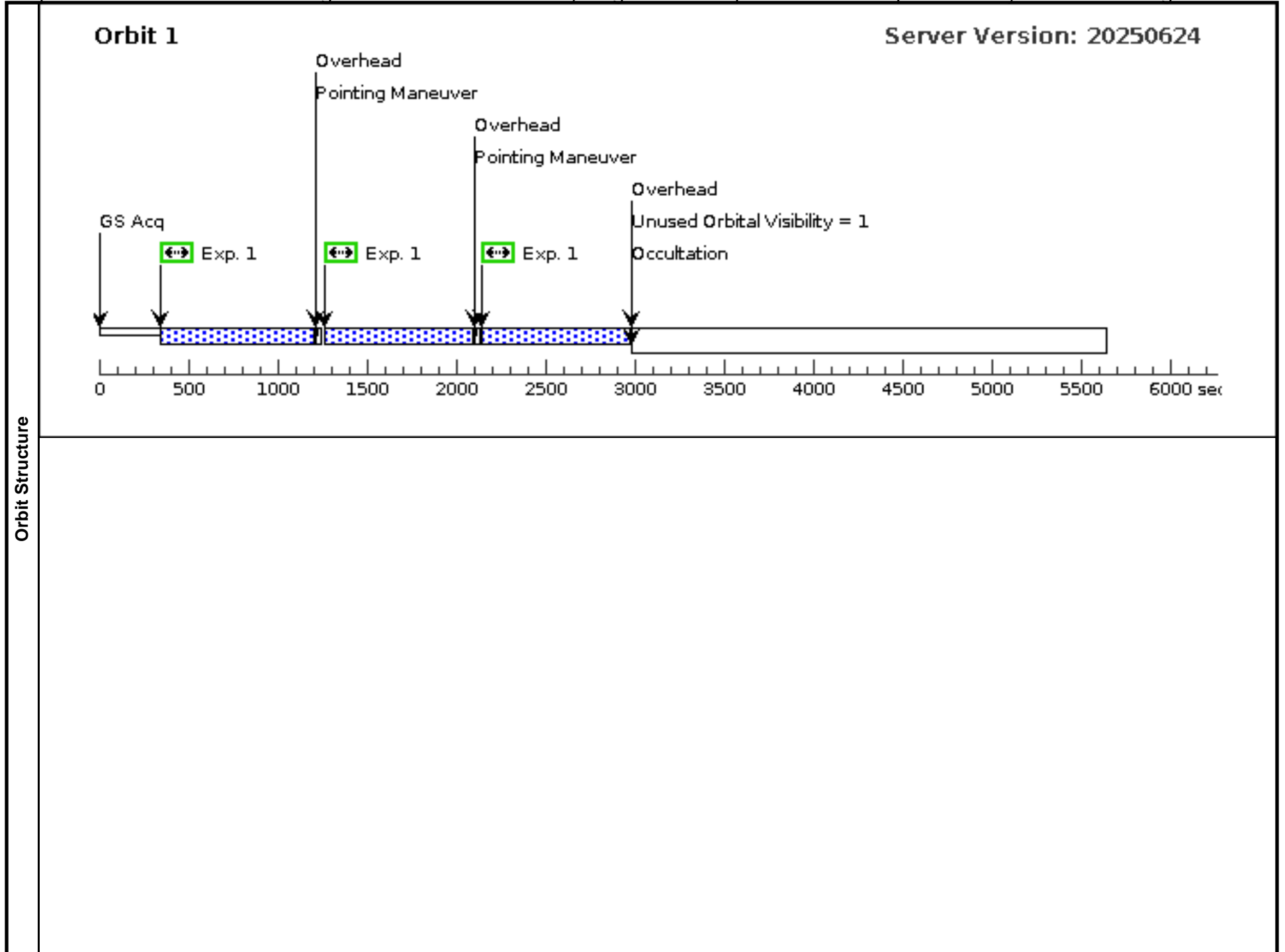


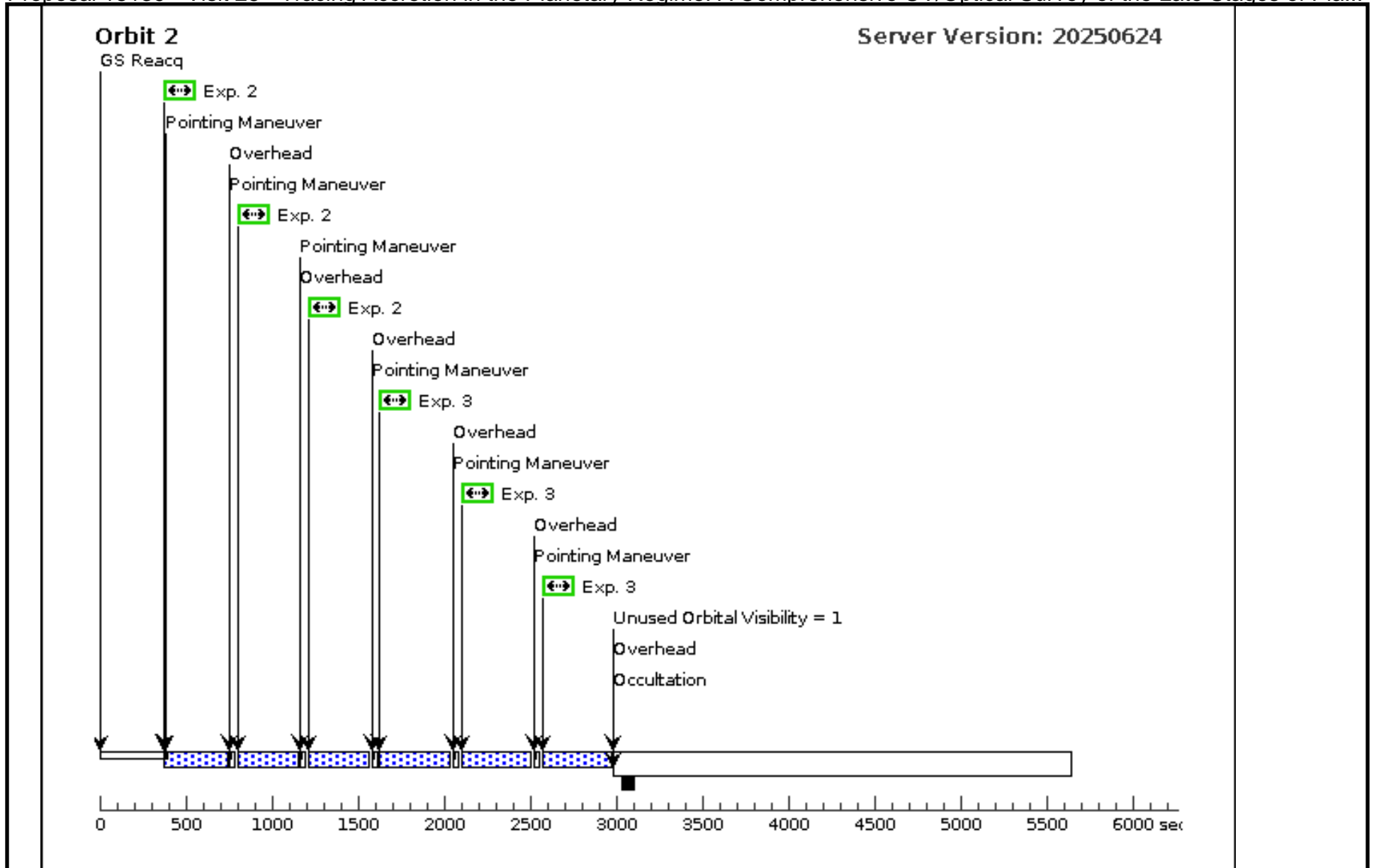


Proposal 18139 - Visit 25 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| | | | | | | | | | | |
|---|--|--|--|-----------------------------------|---|--|-------------------------------------|--|--|--------------|
| Visit | Proposal 18139, Visit 25 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
| | (Exposure 1 (Pattern 1, Exps 1-1 in Visit 25)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Diagnosics | | | | | | | | | | |
| | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | | | | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | | (1), (2), (3) | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | Miscellaneous | | |
| | (25) | BPMG-WISE-J225540.75-311842.0 | RA: 22 55 40.4894 (343.9187058d) Dec: -31 18 40.37 (-31.31121d) Equinox: J2000 | | Proper Motion RA: 301.9 mas/yr Proper Motion Dec: -173.000000407017 mas/yr Parallax: 0.0728" Epoch of Position: 2000 | | V=(?) J=17.3 | Reference Frame: ICRS | | |
| Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (25) BPMG-WISE-J225540.75-311842.0 | (25) BPMG-WISE-J225540.75-311842.0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=10 | | Pattern 1, Exps 1-1 in Visit 25 (1) | 828 Secs (2484 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | (25) BPMG-WISE-J225540.75-311842.0 | (25) BPMG-WISE-J225540.75-311842.0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 2-2 in Visit 25 (1) | 350 Secs (1050 Secs) | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |
| 3 | (25) BPMG-WISE-J225540.75-311842.0 | (25) BPMG-WISE-J225540.75-311842.0 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 3-3 in Visit 25 (1) | 403 Secs (1209 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

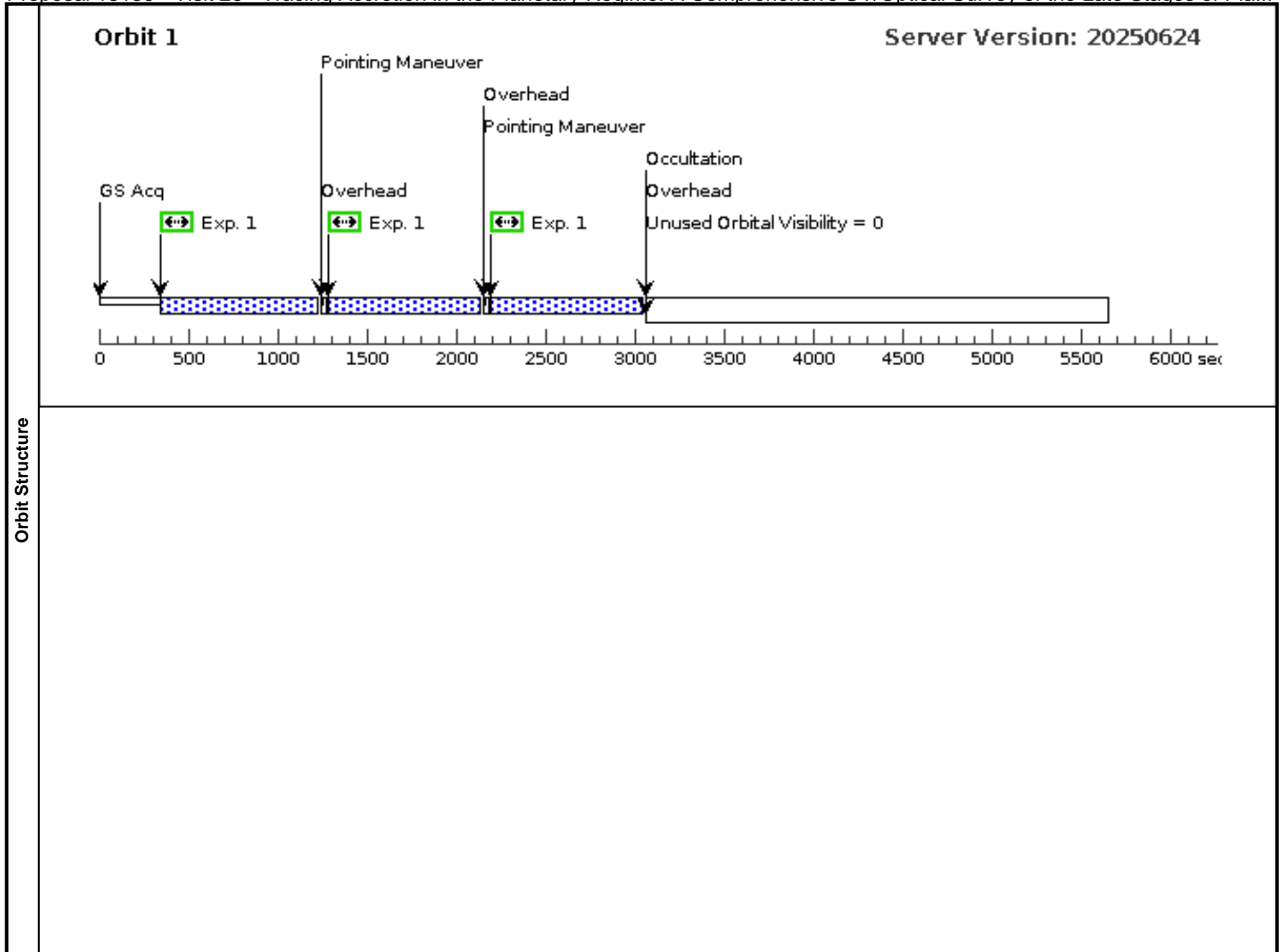




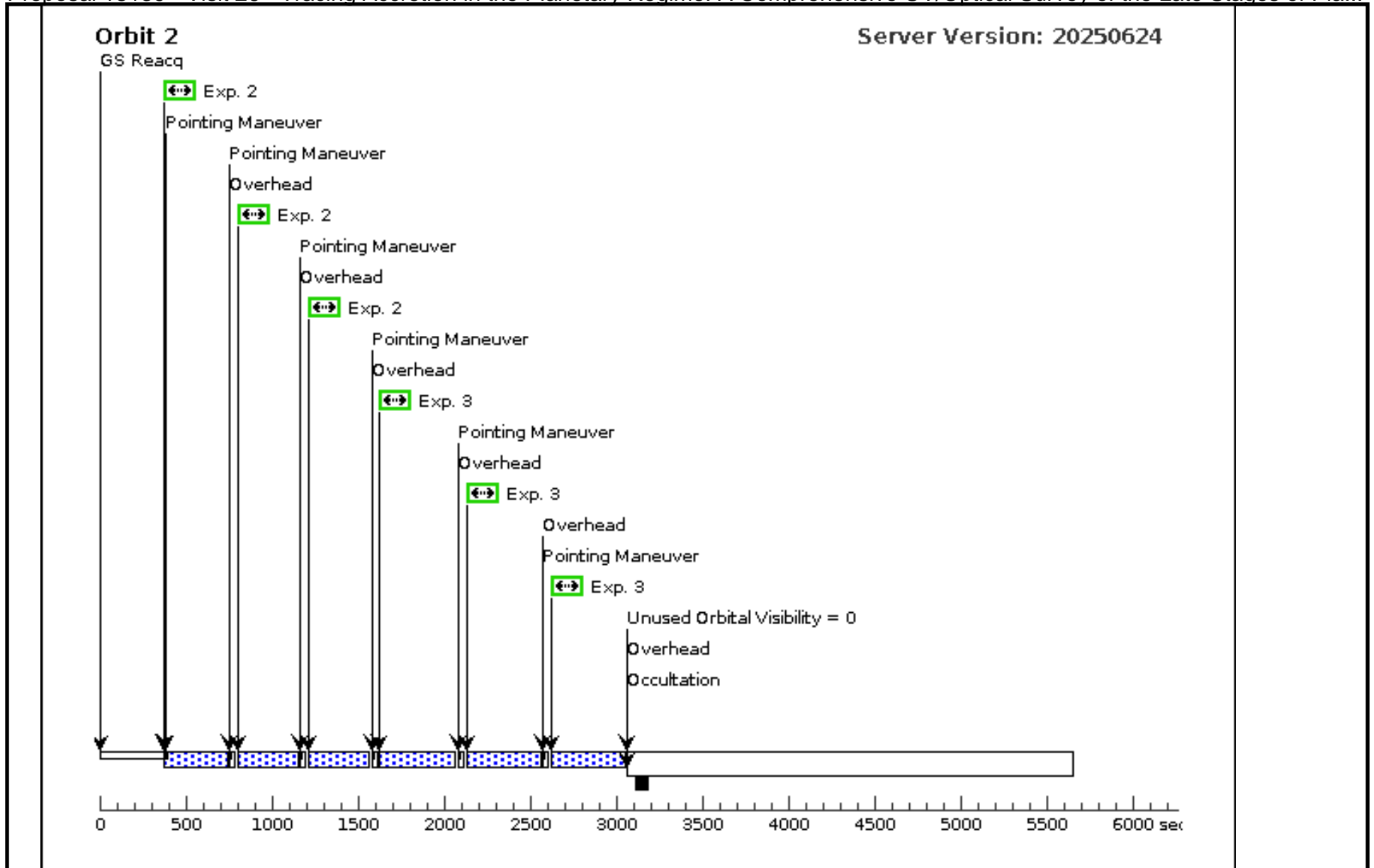
Proposal 18139 - Visit 26 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| | | | | | | | | | | |
|--|--|--|--|--------------------------------------|----------------------|-----------------------|----------------------|---|---|--------------|
| Visit | Proposal 18139, Visit 26 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
| | (Exposure 1 (Pattern 1, Exps 1-1 in Visit 26)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Diagnosics | | | | | | | | | | |
| | | | | | | | | | | |
| Patterns | # | Primary Pattern | Secondary Pattern | | | Exposures | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | | | (1), (2), (3) | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (26) | BPMG-2MASS- J07180871-6415310 | RA: 07 18 8.7144 (109.5363100d) Dec: -64 15 31.09 (-64.25864d) Equinox: J2000 | Epoch of Position: 2000 | V=(?) J=16.6 | Reference Frame: ICRS | | | | |
| Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (26) BPMG-2MASS -J07180871-6415310 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=10 | | Pattern 1, Exps 1-1 i n Visit 26 (1) | 854 Secs (2562 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (26) BPMG-2MASS -J07180871-6415310 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 2-2 i n Visit 26 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 3 | | (26) BPMG-2MASS -J07180871-6415310 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 26 (1) | 429 Secs (1287 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |



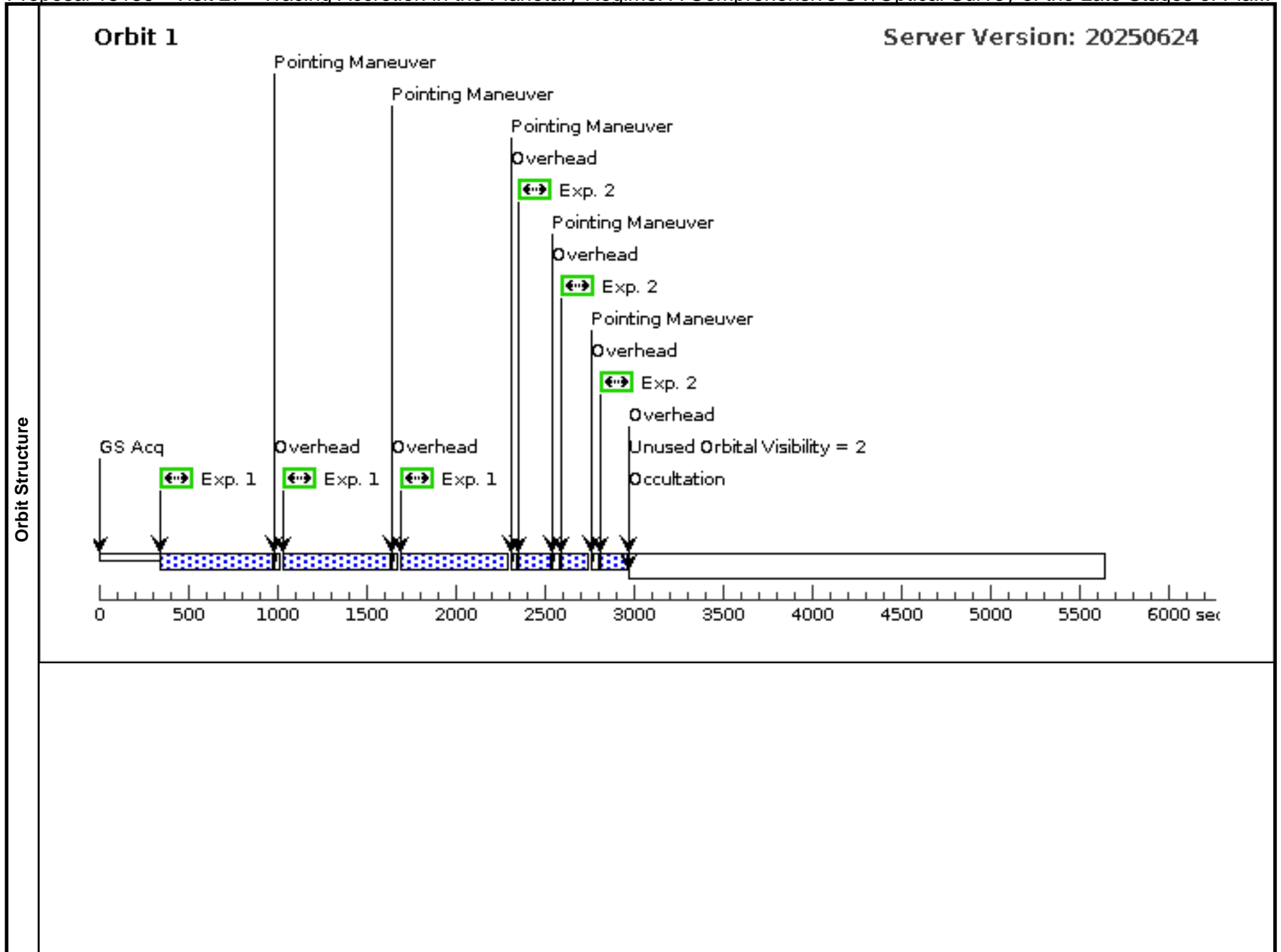
Orbit Structure

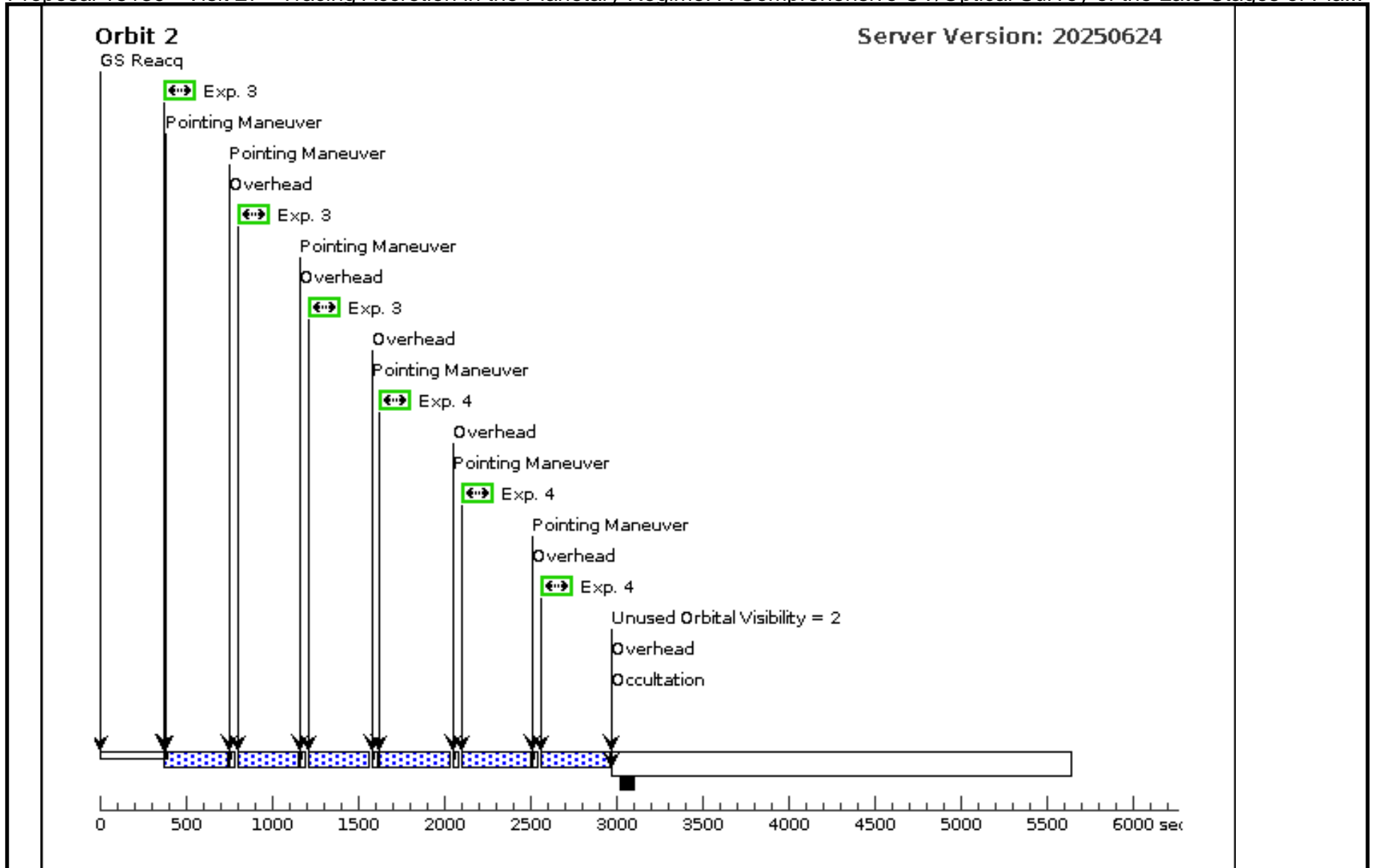


Proposal 18139 - Visit 27 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 27 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|--|--|--|---|--------------------|-----------------------|---------------|---|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (27) | BPMG-2MASS- J00440332+0228112 | RA: 00 44 3.3216 (11.0138400d) Dec: +02 28 11.24 (2.46979d) Equinox: J2000 | Proper Motion RA: 104.8 mas/yr Proper Motion Dec: -61.90000008245988 mas/yr Epoch of Position: 2000 | V=(?) J=16.99 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (27) BPMG-2MASS -J00440332+0228112 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 27 (1) | 600 Secs (1800 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (27) BPMG-2MASS -J00440332+0228112 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 2-2 i n Visit 27 (1) | 150 Secs (450 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | | (27) BPMG-2MASS -J00440332+0228112 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 27 (1) | 350 Secs (1050 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | | (27) BPMG-2MASS -J00440332+0228112 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 27 (1) | 400 Secs (1200 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |

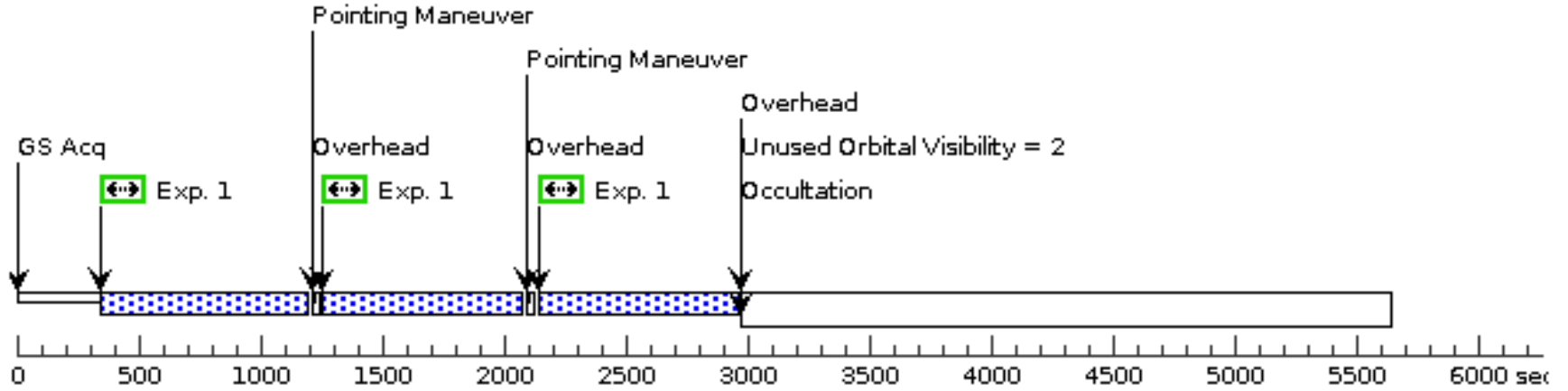




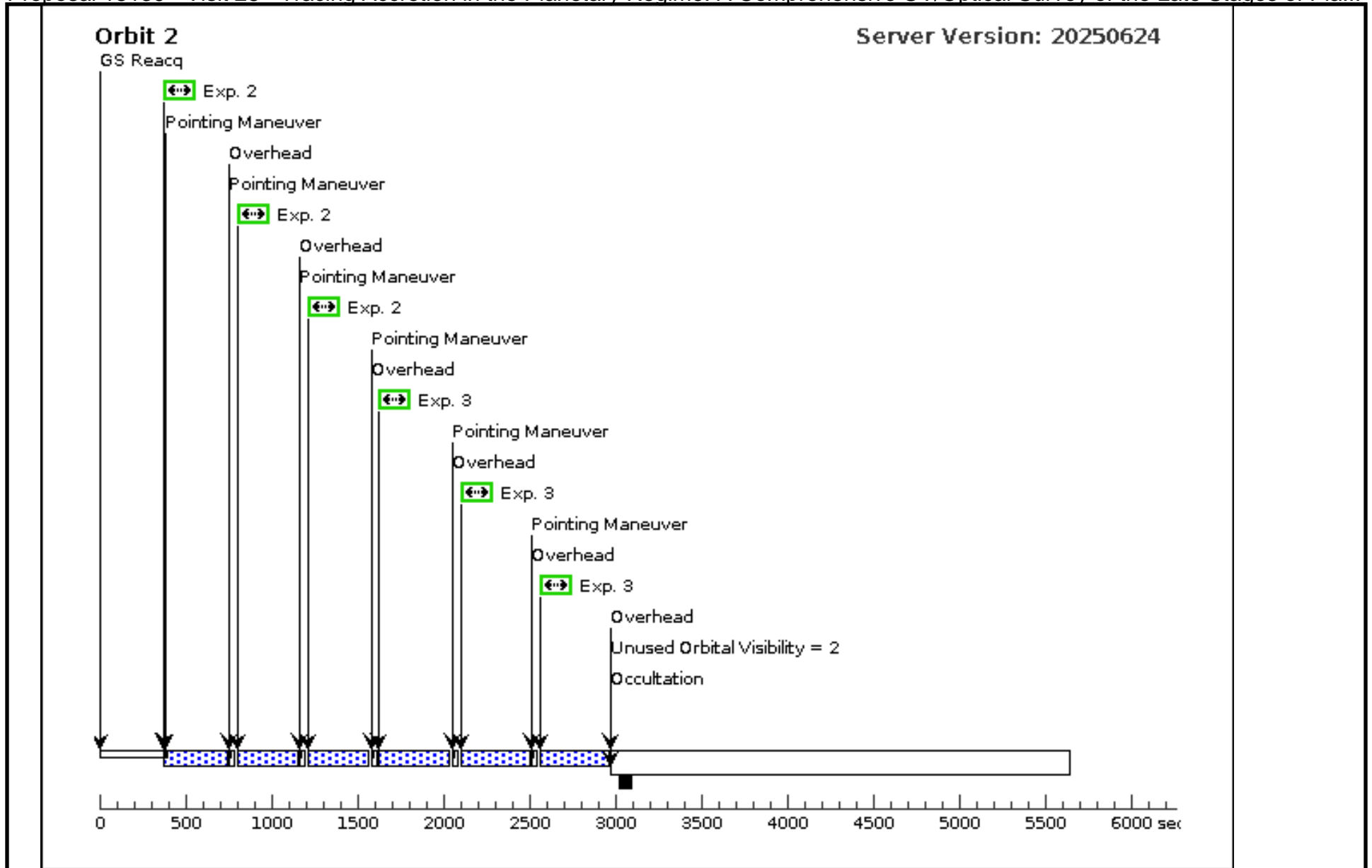
| | | | | | | | | | | |
|---|--|--|--|-----------------------------------|--|--|-------------------------------------|--|--|--------------|
| Visit | Proposal 18139, Visit 28 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
| | (Exposure 1 (Pattern 1, Exps 1-1 in Visit 28)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Diagnosics | | | | | | | | | | |
| | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | | | | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | | (1), (2), (3) | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | Miscellaneous | | |
| | (28) | BPMG-CFBDS-J232304-015232 | RA: 23 23 4.5157 (350.7688154d) Dec: -01 52 33.79 (-1.87605d) Equinox: J2000 | | Proper Motion RA: 93.3 mas/yr Proper Motion Dec: -63.39999997635459 mas/yr Parallax: 0.03019999999999998" Epoch of Position: 2000 | | V=(?) J=17.6 | Reference Frame: ICRS | | |
| Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (28) BPMG-CFBDS-J232304-015232 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=19 | | Pattern 1, Exps 1-1 in Visit 28 (1) | 823 Secs (2469 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (28) BPMG-CFBDS-J232304-015232 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 2-2 in Visit 28 (1) | 350 Secs (1050 Secs) | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |
| 3 | | (28) BPMG-CFBDS-J232304-015232 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 3-3 in Visit 28 (1) | 400 Secs (1200 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

Orbit 1

Server Version: 20250624



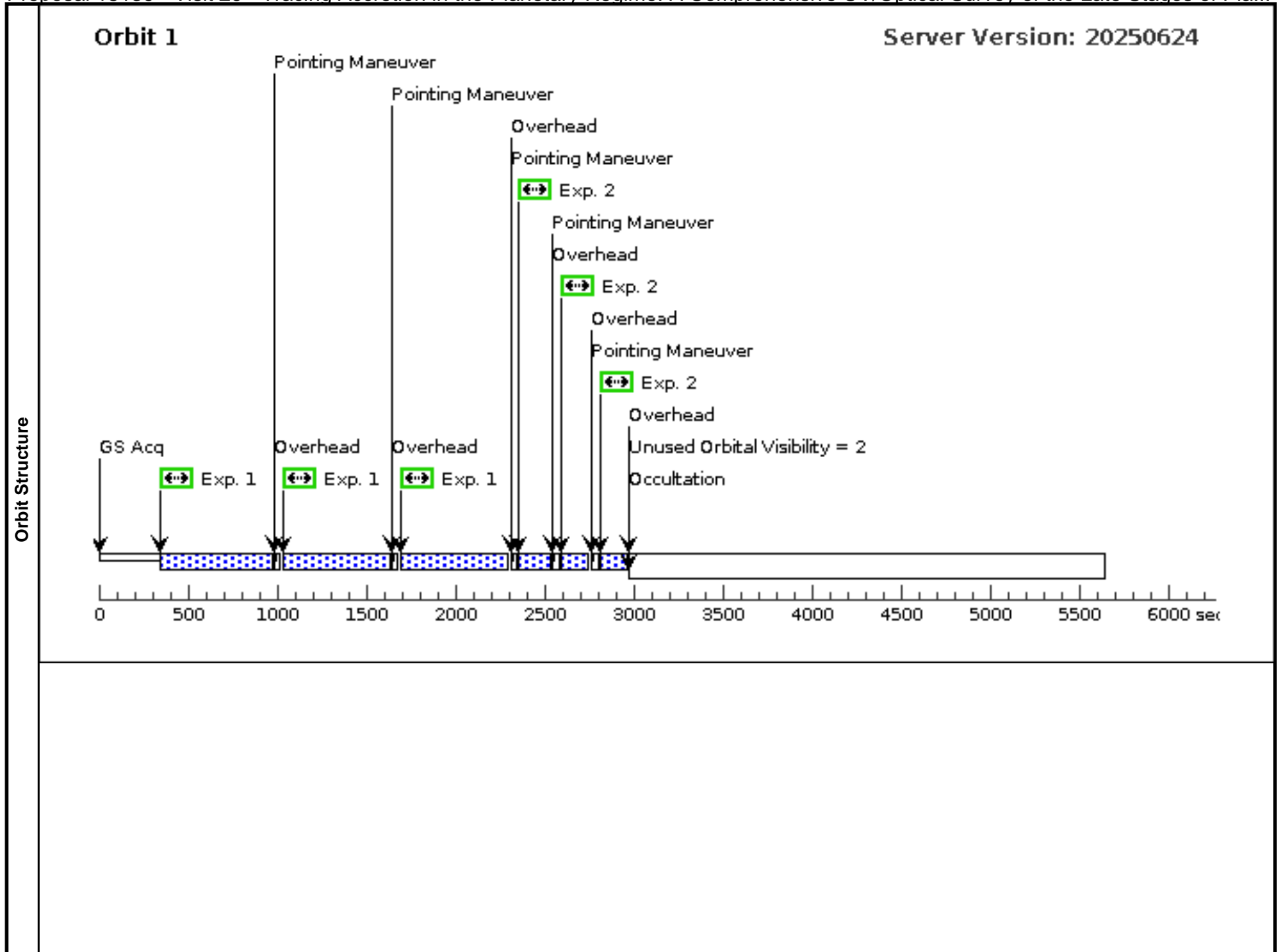
Orbit Structure

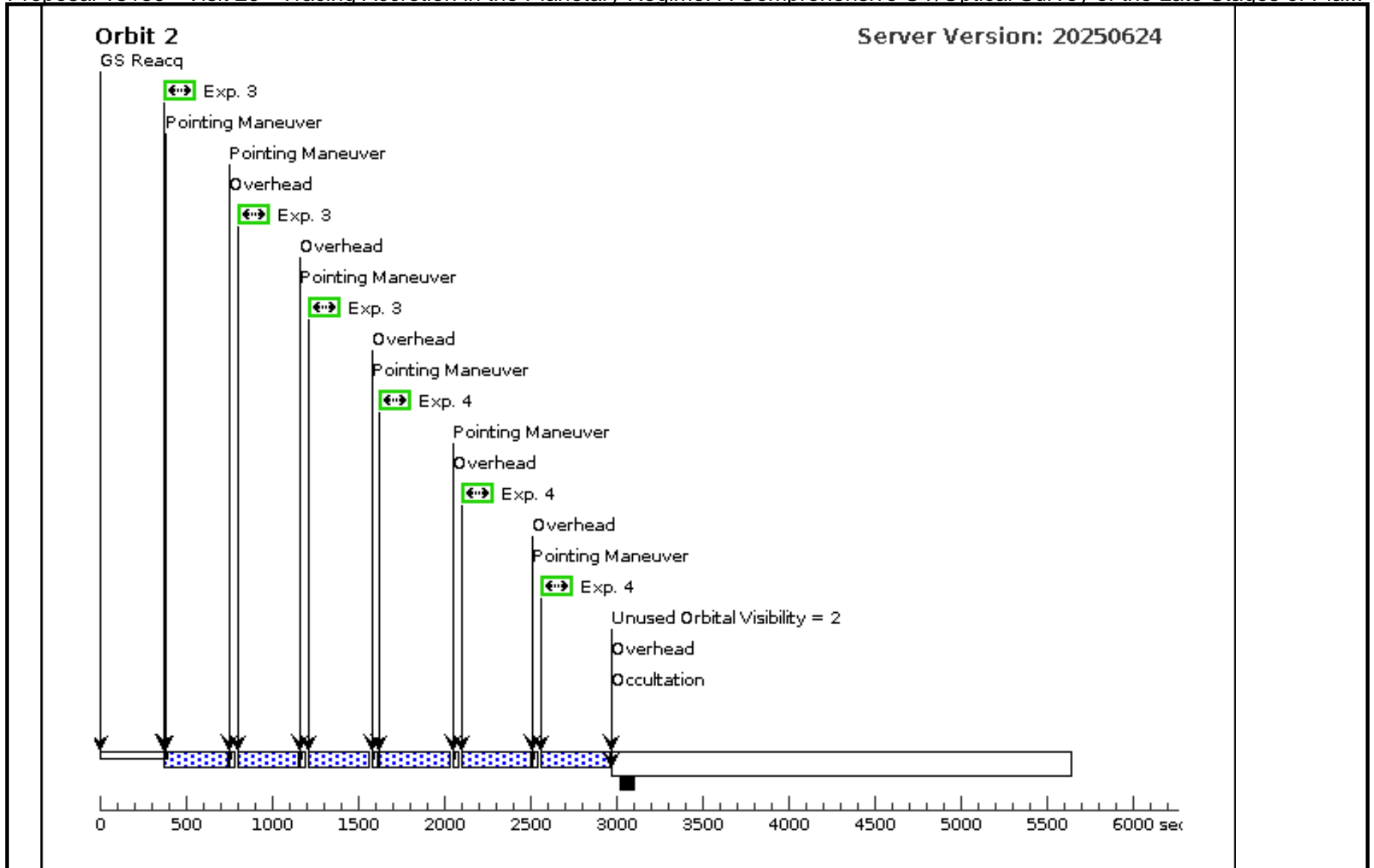


Proposal 18139 - Visit 29 - Tracing Accretion in the Planetary Regime: A Comprehensive UV/Optical Survey of the Late Stages of Pla...

Thu Aug 14 13:02:05 GMT 2025

| Visit | Proposal 18139, Visit 29 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|--|--|--|---|--------------------|-----------------------|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1), (2), (3), (4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (29) | BPMG-2MASS- J08195820-0335266 | RA: 08 19 58.2065 (124.9925271d) Dec: -03 35 26.65 (-3.59074d) Equinox: J2000 | Proper Motion RA: -198.7 mas/yr Proper Motion Dec: -166.5000009121868 mas/yr Parallax: 0.0717" Epoch of Position: 2000 | V=(?) J=14.8 | Reference Frame: ICRS | | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (29) BPMG-2MASS -J08195820-0335266 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F225W | FLASH=20 | | Pattern 1, Exps 1-1 i n Visit 29 (1) | 600 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (29) BPMG-2MASS -J08195820-0335266 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=18 | | Pattern 1, Exps 2-2 i n Visit 29 (1) | 150 Secs (450 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | | (29) BPMG-2MASS -J08195820-0335266 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 29 (1) | 350 Secs (1050 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | | (29) BPMG-2MASS -J08195820-0335266 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 4-4 i n Visit 29 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

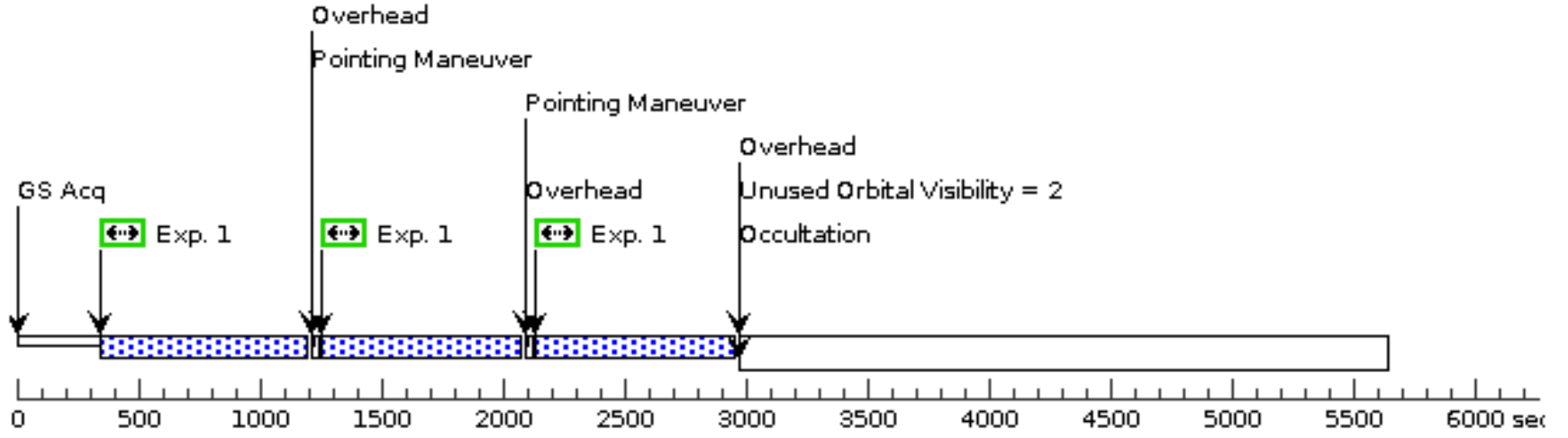




| | | | | | | | | | | |
|---|--|--|---|--------------------------------------|---|--|----------------------|---|---|--------------|
| Visit | Proposal 18139, Visit 30 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
| | (Exposure 1 (Pattern 1, Exps 1-1 in Visit 30)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Diagnos | | | | | | | | | | |
| | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures | |
| | (1) | Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= | | | | Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | | (1), (2), (3) | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | Miscellaneous | | |
| | (30) | BPMG-PSO- J334.1193+19.8800 | RA: 22 16 28.6200 (334.1192500d) Dec: +19 52 48.10 (19.88003d) Equinox: J2000 | | Proper Motion RA: 119.0 mas/yr Proper Motion Dec: -60.0000005315087 mas/yr Epoch of Position: 2000 | | V=(?) J=16.59 | Reference Frame: ICRS | | |
| Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=STAR Description=[BROWN DWARF, EXTRA-SOLAR PLANET] Extended=NO | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (30) BPMG-PSO-J3 34.1193+19.8800 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F625W | FLASH=10 | | Pattern 1, Exps 1-1 i n Visit 30 (1) | 824 Secs (2472 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | | (30) BPMG-PSO-J3 34.1193+19.8800 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F336W | FLASH=20 | | Pattern 1, Exps 2-2 i n Visit 30 (1) | 349 Secs (1047 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 3 | | (30) BPMG-PSO-J3 34.1193+19.8800 | WFC3/UVIS, ACCUM, UVIS2-C512C-SUB | F656N | FLASH=20 | | Pattern 1, Exps 3-3 i n Visit 30 (1) | 400 Secs (1200 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

Orbit 1

Server Version: 20250624



Orbit Structure

