



17482 - Probing active atmospheric erosion across an adolescent planet system

Cycle: 31, Proposal Category: GO

(Availability Mode: AVAILABLE)

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> |
|---------------------------------------|---|
| Dr. George Zhou (PI) (Contact) | University of Southern Queensland |
| Dr. Chelsea Huang (CoI) | University of Southern Queensland |
| Dr. Samuel Quinn (CoI) (AdminUSPI) | Smithsonian Institution Astrophysical Observatory |
| David W Latham (CoI) | Smithsonian Institution Astrophysical Observatory |
| Ms. Ava Grace Morrissey (CoI) | Carnegie Institution for Science, Observatories |
| Duncan Wright (CoI) | University of Southern Queensland |
| Prof. Benjamin Pope (CoI) | Macquarie University |
| Allyson Bieryla (CoI) | Smithsonian Institution Astrophysical Observatory |

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) BD+40-2790 WAVE | STIS/CCD STIS/FUV-MAMA | 5 | 26-Jan-2026 22:00:15.0 | yes |
| 02 | (1) BD+40-2790 WAVE | STIS/CCD STIS/FUV-MAMA | 5 | 26-Jan-2026 22:00:16.0 | yes |
| 03 | (1) BD+40-2790 | COS/FUV COS/NUV | 5 | 26-Jan-2026 22:00:18.0 | yes |
| 04 | (1) BD+40-2790 | COS/FUV COS/NUV | 5 | 26-Jan-2026 22:00:20.0 | yes |

20 Total Orbits Used

ABSTRACT

Atmospheric erosion is the universal process that shapes all small planets. We will use STIS to search for the extended neutral hydrogen exosphere around two Neptunes orbiting the 200 million year old star TOI-2076. These observations will reveal active ongoing mass loss from these planets. Detections of Lyman alpha excess around young planets is one of few direct tracers of photoevaporation in real time. We are experimentally testing the factors that influence early atmospheric erosion in young planets by observing a multiplanet system, allowing us to vary the levels of incident XUV irradiation, while holding the stellar XUV evolution history constant. The photoevaporation paradigm is thought to sculpt the entire small planet population we know today, STIS UV observations of young multiplanet systems as TOI-2076 will provide real time tests that anchor this model.

OBSERVING DESCRIPTION

Our program will observe transits of TOI-2076b with STIS MAMA-FUV G140M 1222A, and TOI-2076c with COS G130M 1309A to measure the planets' radii in Lyman alpha.

We request two visits per planet, each visit will include five consecutive orbits, timed during their respective transits.

Our visit timings are requested to allow for 1-2 orbits pre-transit to establish a baseline. Our timing requirement for the first exposure includes a 60 minute window to allow for scheduling flexibility.

For visits 1 and 2 with STIS, the first exposure of each visit includes an ACQ and an ACQ/peak exposure. Each orbit include a single science exposure and a wavecal exposure, with the science exposure of the first orbit made shorter to allow for acquisition.

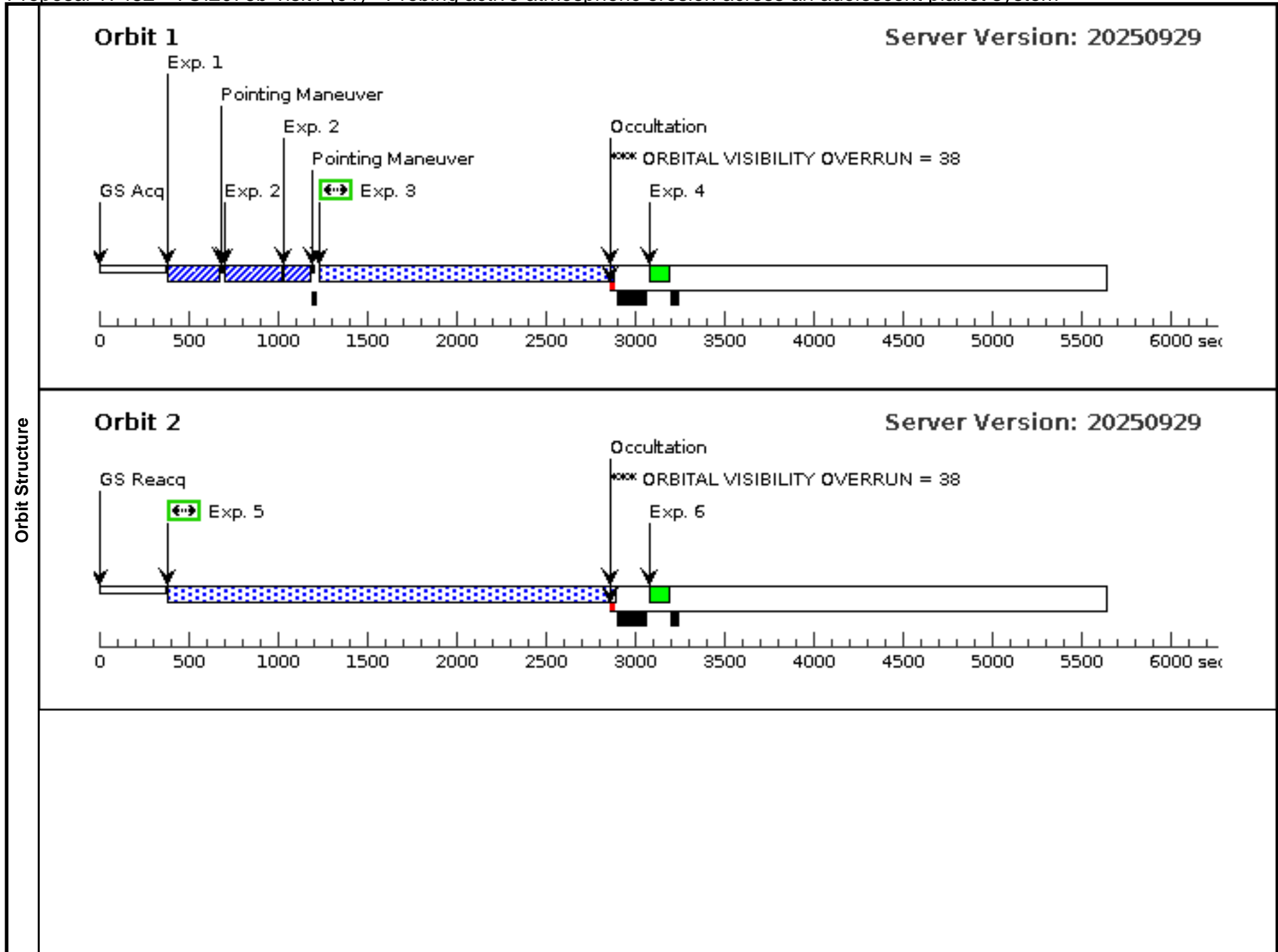
For visits 3 and 4 with COS, the first exposure of each orbit includes an ACQ exposure. The science exposures will be performed at

Proposal 17482 - TOI2076b-visit1 (01) - Probing active atmospheric erosion across an adolescent planet system

| Visit | Proposal 17482, TOI2076b-visit1 (01), completed Tue Jan 27 03:00:21 GMT 2026 Diagnostic Status: Warning Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: SCHED 100%; Period 10.35527683 D AND ZERO-PHASE HJD2458743.72082247 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--------------------------|-----------------------|---------------|---|------|--------------------|--------------------------|--------|---------------|-----|------------|----------------------------------|---|-----------------|-----------------------|--|---------------------|-------------------------------|--|--|--|--|--|----------------|------------------------|--|--|--|--|--|-------------------------|--|--|--|--|--|------------------------------------|--|--|
| | Diagnostics | (TOI2076b-visit1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Comments: Category=STAR Description=[EXTRA-SOLAR PLANET, EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

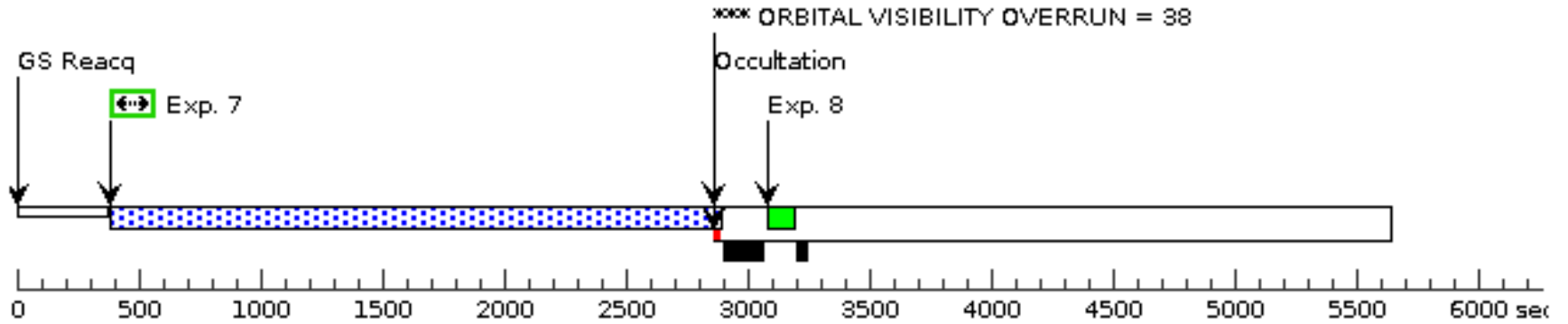
Proposal 17482 - TOI2076b-visit1 (01) - Probing active atmospheric erosion across an adolescent planet system

| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|---------|-----------------------------------|---------------------------------|------------------------------------|-----------------|--------------|-------------------------------------|----------------------------------|--|--------------------------|-----|
| | 1 | ACQ (STIS.ta.188 7848) | (1) BD+40-2790 | STIS/CCD, ACQ, F28X50OIII | MIRROR | | | PHASE 0.978460 T O 0.98883327 | | 5 Secs (5 Secs) [==>] | [1] |
| | 2 | ACQ/PEAK (STIS.ta.188 7850) | (1) BD+40-2790 | STIS/CCD, ACQ/PEAK, 0.2X0.05ND | MIRROR | | | | 1.5 Secs (1.5 Secs) [==>] | [1] | |
| | 3 | SCIENCE (STIS.sp.18 87851) | (1) BD+40-2790 | STIS/FUV-MAMA, TIME-TAG, 52X0.1 | G140M 1222 A | | WAVECAL=NO; BUFFER-TIME=15 00 | | 1426 Secs (1489 Secs) [==>1489.0 Secs] | [1] | |
| | 4 | WAVECAL | WAVE | STIS/FUV-MAMA, ACCUM, 52X0.1 | G140M 1222 A | | | | [==>] | [1] | |
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| | 6 | WAVECAL | WAVE | STIS/FUV-MAMA, ACCUM, 52X0.1 | G140M 1222 A | | | | [==>] | [2] | |
| | 7 | SCIENCE (STIS.sp.18 87851) | (1) BD+40-2790 | STIS/FUV-MAMA, TIME-TAG, 52X0.1 | G140M 1222 A | | WAVECAL=NO; BUFFER-TIME=13 00 | | 2484 Secs (2496 Secs) [==>2496.0 Secs] | [3] | |
| | 8 | WAVECAL | WAVE | STIS/FUV-MAMA, ACCUM, 52X0.1 | G140M 1222 A | | | | [==>] | [3] | |
| | 9 | SCIENCE (STIS.sp.18 87851) | (1) BD+40-2790 | STIS/FUV-MAMA, TIME-TAG, 52X0.1 | G140M 1222 A | | WAVECAL=NO; BUFFER-TIME=13 00 | | 2484 Secs (2496 Secs) [==>2496.0 Secs] | [4] | |
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| 12 | WAVECAL | WAVE | STIS/FUV-MAMA, ACCUM, 52X0.1 | G140M 1222 A | | | | [==>] | [5] | | |



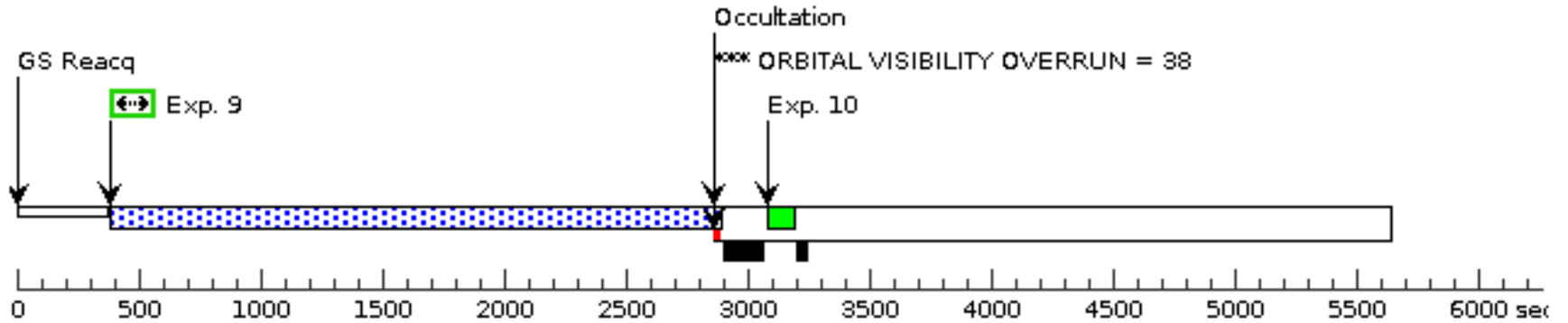
Orbit 3

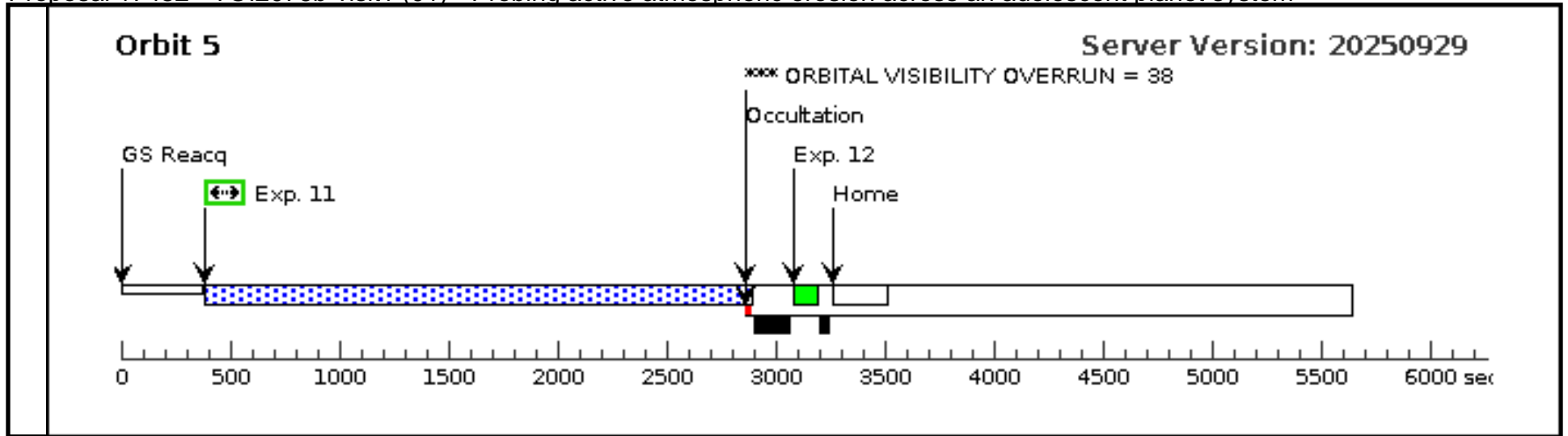
Server Version: 20250929



Orbit 4

Server Version: 20250929



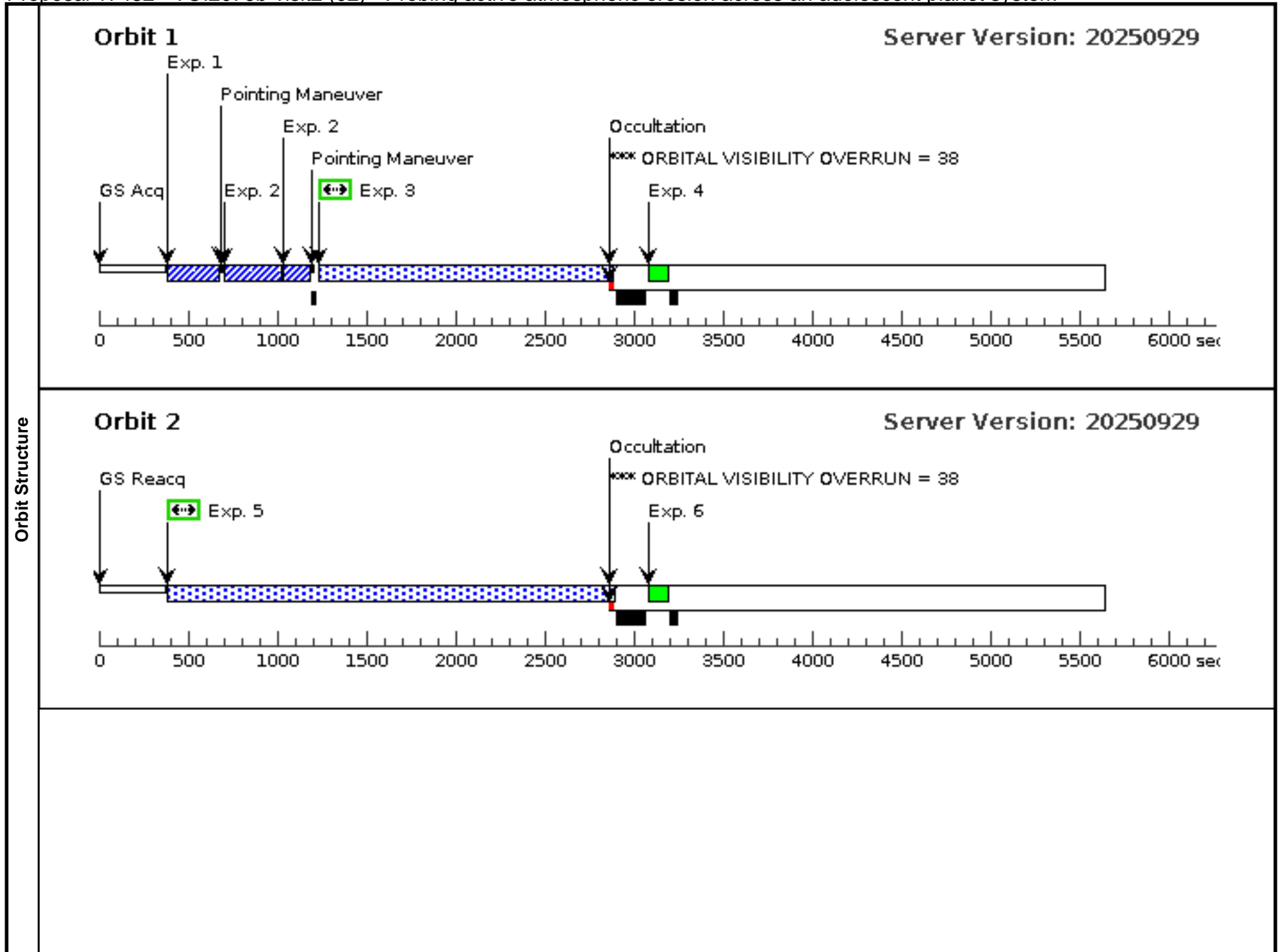


Proposal 17482 - TOI2076b-visit2 (02) - Probing active atmospheric erosion across an adolescent planet system

| Visit | Proposal 17482, TOI2076b-visit2 (02), scheduling Tue Jan 27 03:00:21 GMT 2026 Diagnostic Status: Warning Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: SCHED 100%; Period 10.35527683 D AND ZERO-PHASE HJD2458743.72082247 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Diagnostics | (TOI2076b-visit2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (TOI2076b-visit2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (TOI2076b-visit2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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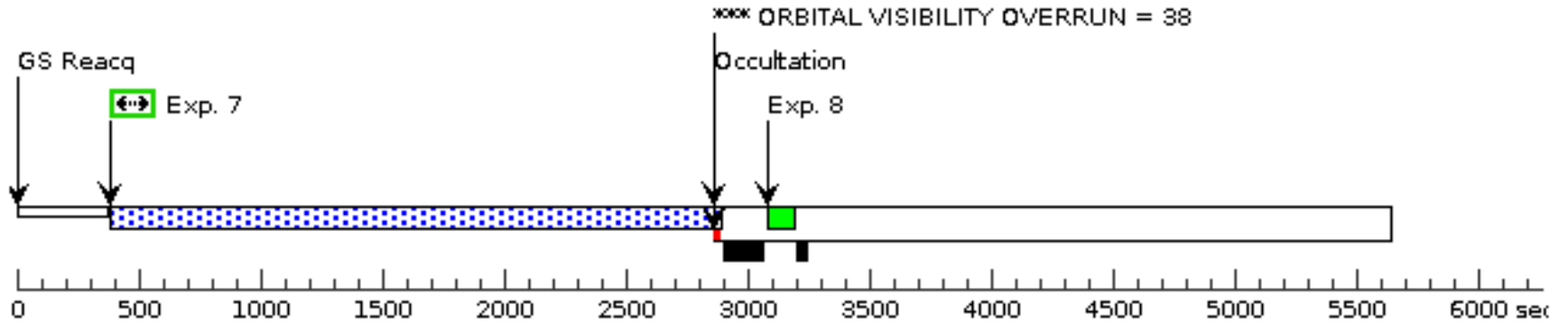
Proposal 17482 - TOI2076b-visit2 (02) - Probing active atmospheric erosion across an adolescent planet system

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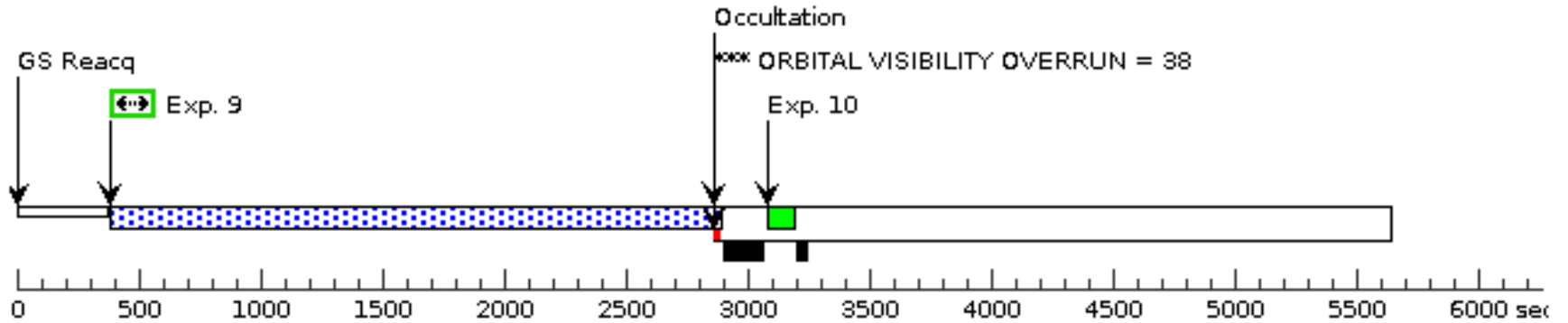
Orbit 3

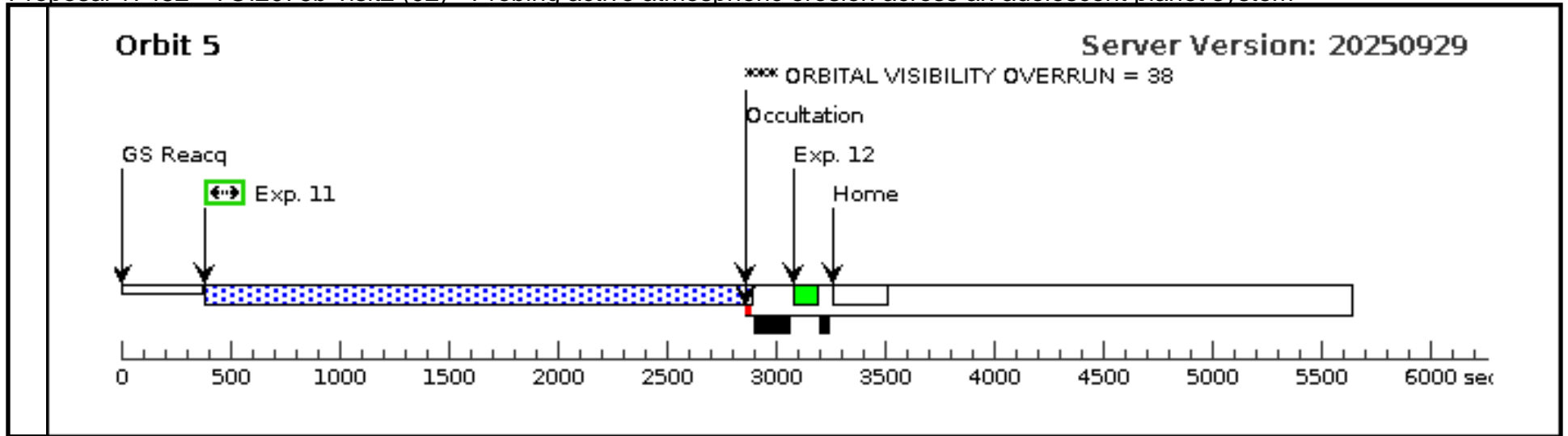
Server Version: 20250929



Orbit 4

Server Version: 20250929





Proposal 17482 - TOI2076c--COSVISIT1 (03) - Probing active atmospheric erosion across an adolescent planet system

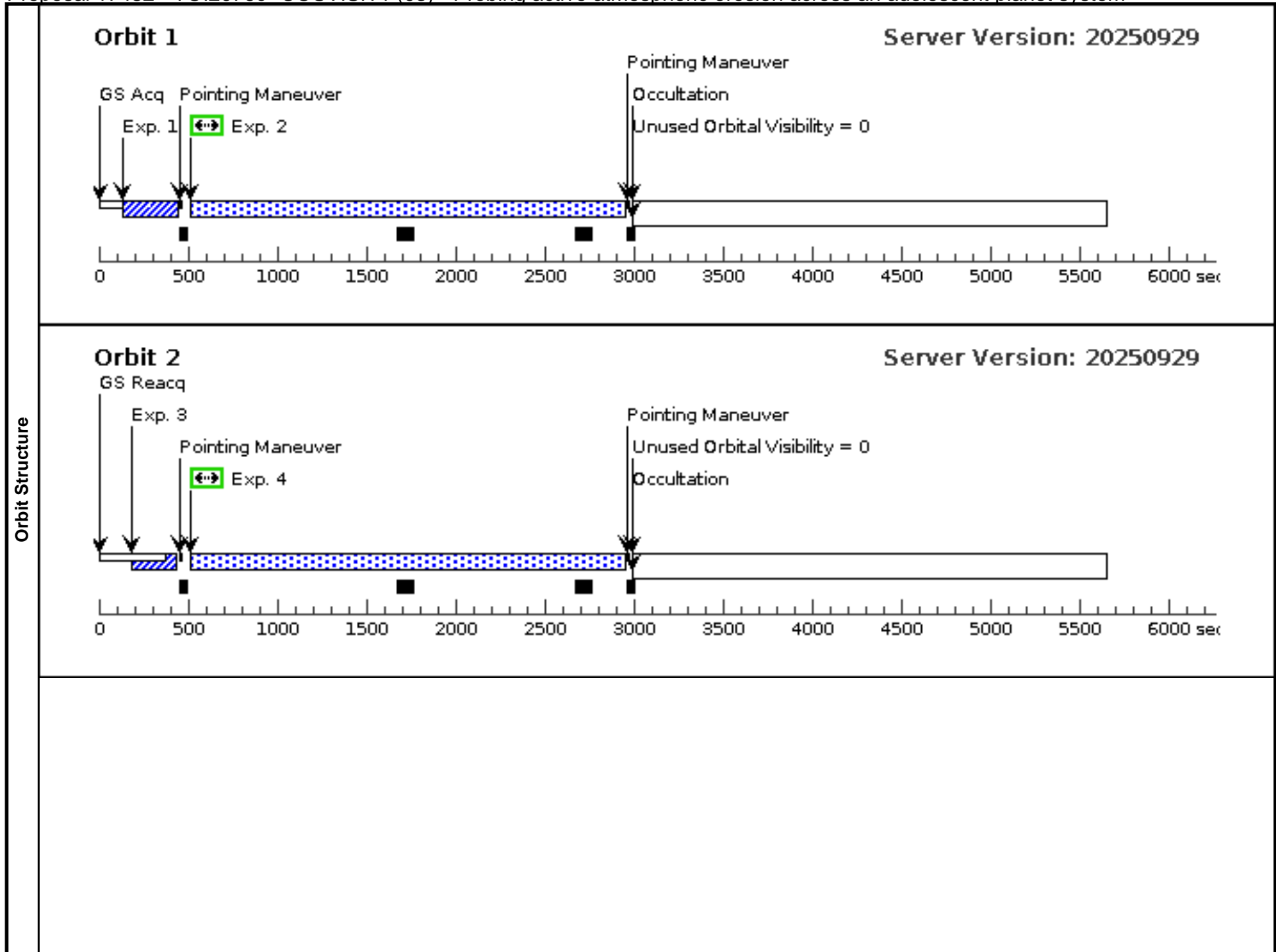
| Visit | Proposal 17482, TOI2076c--COSVISIT1 (03), scheduling Tue Jan 27 03:00:21 GMT 2026 Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: Period 21.01538 D AND ZERO-PHASE HJD2459274.08398 | | | | | | | | | | | | | | | | | |
|---|--|---|--|--------------------------|-----------------------|---------------|---|------|--------------------|--------------------------|--------|---------------|-----|-----------------------------------|---|--|-----------------|-----------------------|
| | Diagnosics (TOI2076c--COSVISIT1 (03)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser. (TOI2076c--COSVISIT1 (03)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS (TOI2076c--COSVISIT1 (03)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS (TOI2076c--COSVISIT1 (03)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS (TOI2076c--COSVISIT1 (03)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS (TOI2076c--COSVISIT1 (03)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>BD+40-2790 Alt Name1: TOI-2076</td> <td>RA: 14 29 34.2426 (217.3926775d) Dec: +39 47 25.54 (39.79043d) Equinox: J2000</td> <td>Proper Motion RA: -0.0118071 sec of time/yr Proper Motion Dec: -0.006860000030428637 arcsec/yr Parallax: 0.023832200" Epoch of Position: 2000 Radial Velocity: -13.076191 km/sec</td> <td>V=9.139+/-0.002</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | BD+40-2790 Alt Name1: TOI-2076 | RA: 14 29 34.2426 (217.3926775d) Dec: +39 47 25.54 (39.79043d) Equinox: J2000 | Proper Motion RA: -0.0118071 sec of time/yr Proper Motion Dec: -0.006860000030428637 arcsec/yr Parallax: 0.023832200" Epoch of Position: 2000 Radial Velocity: -13.076191 km/sec | V=9.139+/-0.002 | Reference Frame: ICRS |
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| (1) | BD+40-2790 Alt Name1: TOI-2076 | RA: 14 29 34.2426 (217.3926775d) Dec: +39 47 25.54 (39.79043d) Equinox: J2000 | Proper Motion RA: -0.0118071 sec of time/yr Proper Motion Dec: -0.006860000030428637 arcsec/yr Parallax: 0.023832200" Epoch of Position: 2000 Radial Velocity: -13.076191 km/sec | V=9.139+/-0.002 | Reference Frame: ICRS | | | | | | | | | | | | | |
| Comments: Category=STAR Description=[EXTRA-SOLAR PLANET, EXTRA-SOLAR PLANETARY SYSTEM, G V-IV] Extended=NO | | | | | | | | | | | | | | | | | | |

Proposal 17482 - TOI2076c--COSVISIT1 (03) - Probing active atmospheric erosion across an adolescent planet system

| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|--------------------|----------------------------------|----------------------|-------------------------|-----------------|---|--------|---|-------|
| Exposures | 1 | 1ACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | 1.2976 Secs (1.298 Secs) [==>] | [1] |
| | 2 | 1Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (2262 Secs) [==>2262.0 Secs] | [1] |
| | 3 | 2reACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | 1.2976 Secs (1.298 Secs) [==>] | [2] |
| | 4 | 2Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (2262 Secs) [==>2262.0 Secs] | [2] |
| | 5 | 3reACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | 1.2976 Secs (1.298 Secs) [==>] | [3] |
| | 6 | 3Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (2262 Secs) [==>2262.0 Secs] | [3] |
| | 7 | 4reACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | 1.2976 Secs (1.298 Secs) [==>] | [4] |
| | 8 | 4Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (2262 Secs) [==>2262.0 Secs] | [4] |
| | 9 | 5reACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | 1.2976 Secs (1.298 Secs) [==>] | [5] |

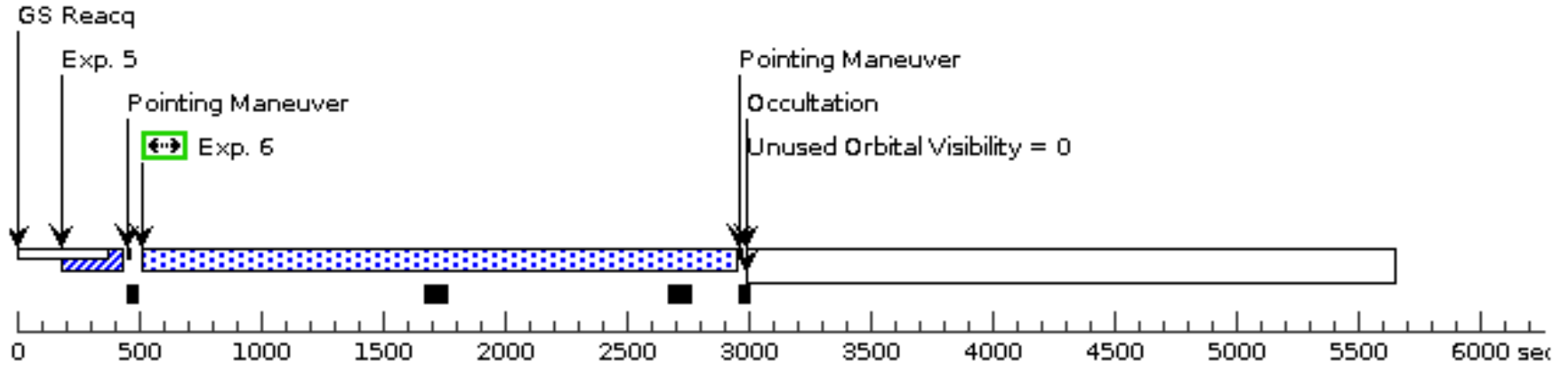
Proposal 17482 - TOI2076c--COSVISIT1 (03) - Probing active atmospheric erosion across an adolescent planet system

| | | | | | | | |
|----|----------------------------------|----------------|------------------------|-----------------|---|--|-----|
| 10 | 5Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (2285 Secs) <i>[=>2285.0 Secs]</i> | [5] |
|----|----------------------------------|----------------|------------------------|-----------------|---|--|-----|



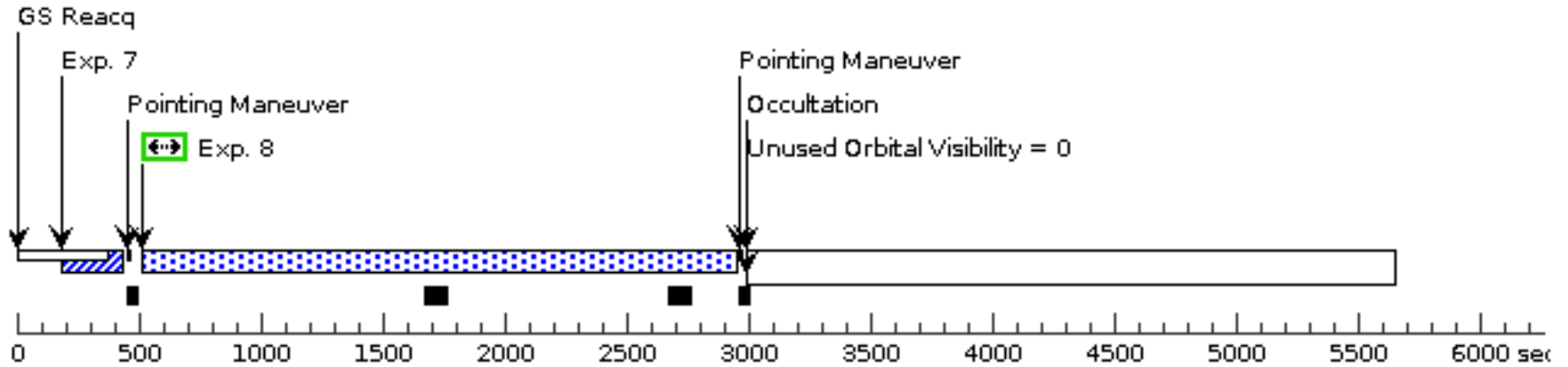
Orbit 3

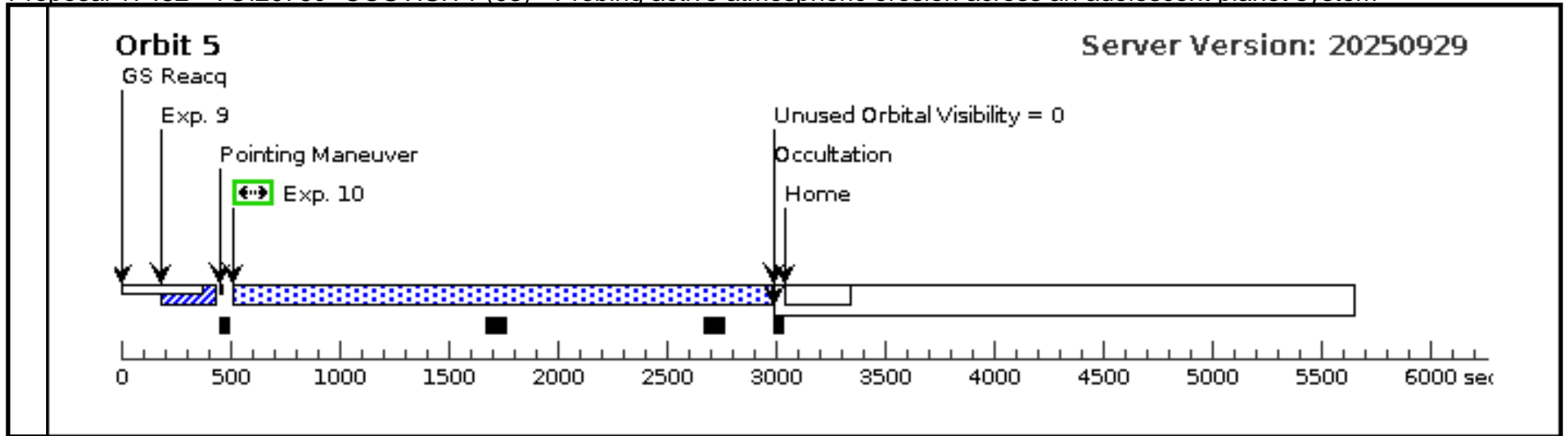
Server Version: 20250929



Orbit 4

Server Version: 20250929





Proposal 17482 - TOI2076c--COSVISIT2 (04) - Probing active atmospheric erosion across an adolescent planet system

| | | | | | | | |
|----------------------|---|--|---------------------|----------------------------------|--|-----------------|-----------------------|
| Visit | <p>Proposal 17482, TOI2076c--COSVISIT2 (04), completed Tue Jan 27 03:00:21 GMT 2026</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: Period 21.01538 D AND ZERO-PHASE HJD2459274.08398</p> | | | | | | |
| | Diagnostics | <p>(TOI2076c--COSVISIT2 (04)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): COS EXPOSURE TIME ROUNDED DOWN TO NEAREST 0.1 SECONDS</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(TOI2076c--COSVISIT2 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> | | | | | |
| Fixed Targets | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
| | | (1) | BD+40-2790 | RA: 14 29 34.2426 (217.3926775d) | Proper Motion RA: -0.0118071 sec of time/yr | V=9.139+/-0.002 | Reference Frame: ICRS |
| | | | Alt Name1: TOI-2076 | Dec: +39 47 25.54 (39.79043d) | Proper Motion Dec: -0.006860000030428637 arcsec/yr | | |
| | | | | Equinox: J2000 | Parallax: 0.023832200" | | |
| | | | | | Epoch of Position: 2000 | | |
| | | | | | Radial Velocity: -13.076191 km/sec | | |
| | | | <i>Comments:</i> | | | | |
| | | <i>Category=STAR</i> | | | | | |
| | | <i>Description=[EXTRA-SOLAR PLANET, EXTRA-SOLAR PLANETARY SYSTEM, G V-IV]</i> | | | | | |
| | | <i>Extended=NO</i> | | | | | |

Proposal 17482 - TOI2076c--COSVISIT2 (04) - Probing active atmospheric erosion across an adolescent planet system

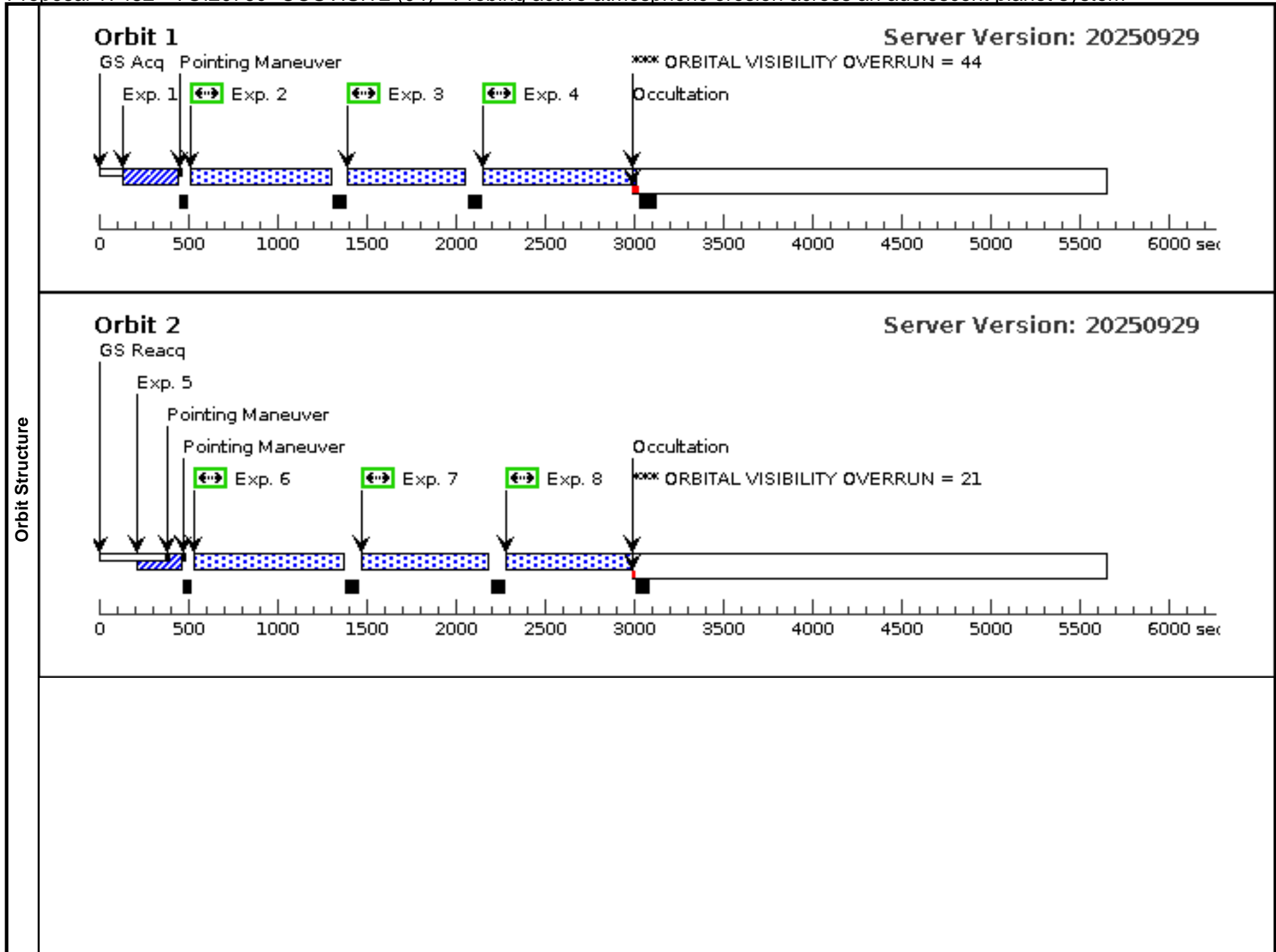
| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|-----------|--------------------|----------------------------------|----------------------|-------------------------|-----------------|---|--------|---|-------|
| Exposures | 1 | 1ACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | 1.2976 Secs (1.298 Secs) [==>] | [1] |
| | 2 | 1Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (606 Secs) [==>606.0 Secs] | [1] |
| | 3 | 1Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=2; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (606 Secs) [==>606.0 Secs] | [1] |
| | 4 | 1Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=4; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (811 Secs) [==>811.0 Secs] | [1] |
| | 5 | 2reACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | | 1.2976 Secs (1.298 Secs) [==>] | [2] |
| | 6 | 2Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (659 Secs) [==>659.0 Secs] | [2] |
| | 7 | 2Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=2; LIFETIME-POS=L P3; SEGMENT=BOTH | | 600 Secs (659 Secs) [==>659.0 Secs] | [2] |

Proposal 17482 - TOI2076c--COSVISIT2 (04) - Probing active atmospheric erosion across an adolescent planet system

| | | | | | | | |
|----|----------------------------------|----------------|-------------------------|-----------------|---|--------------------------|-----|
| 8 | 2Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=4; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (659 Secs) | [2] |
| | | | | | | [==>659.0 Secs] | |
| 9 | 3reACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | 1.2976 Secs (1.298 Secs) | [3] |
| | | | | | | [==>] | |
| 10 | 3Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (645 Secs) | [3] |
| | | | | | | [==>645.0 Secs] | |
| 11 | 3Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=2; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (645 Secs) | [3] |
| | | | | | | [==>645.0 Secs] | |
| 12 | 3Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=4; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (600 Secs) | [3] |
| | | | | | | [==>] | |
| 13 | 4reACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | 1.2976 Secs (1.298 Secs) | [4] |
| | | | | | | [==>] | |
| 14 | 4Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (667 Secs) | [4] |
| | | | | | | [==>667.0 Secs] | |
| 15 | 4Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=2; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (667 Secs) | [4] |
| | | | | | | [==>667.0 Secs] | |

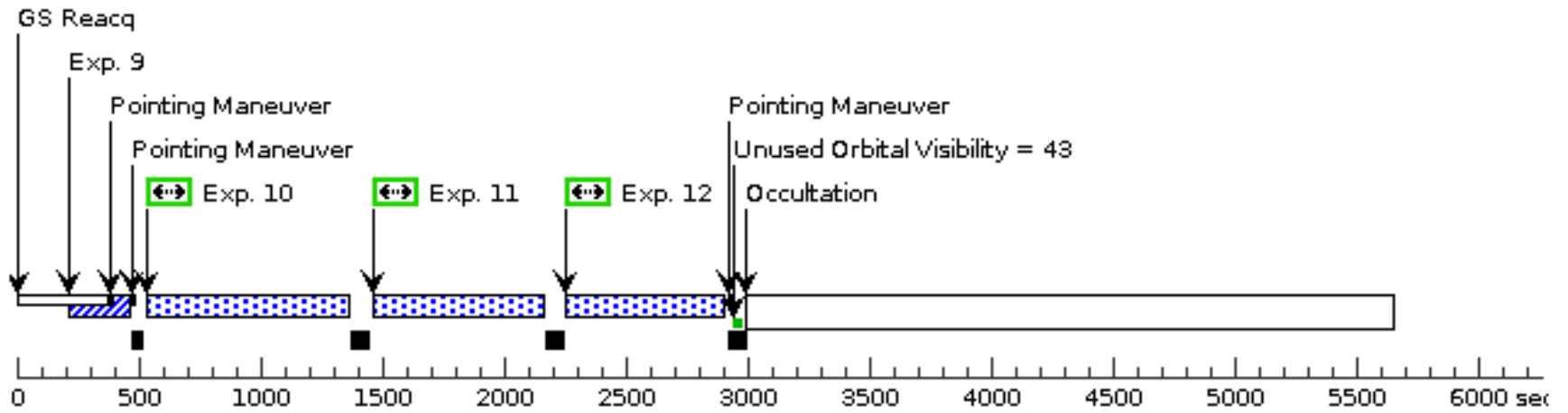
Proposal 17482 - TOI2076c--COSVISIT2 (04) - Probing active atmospheric erosion across an adolescent planet system

| | | | | | | | |
|----|----------------------------------|----------------|-------------------------|-----------------|---|--------------------------|-----|
| 16 | 4Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=4; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (667 Secs) | [4] |
| | | | | | | [==>667.0 Secs] | |
| 17 | 5reACQ (COS.ta.194 1311) | (1) BD+40-2790 | COS/NUV, ACQ/IMAGE, PSA | MIRRORB | | 1.2976 Secs (1.298 Secs) | [5] |
| | | | | | | [==>] | |
| 18 | 5Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=1; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (664 Secs) | [5] |
| | | | | | | [==>664.0 Secs] | |
| 19 | 5Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=2; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (664 Secs) | [5] |
| | | | | | | [==>664.0 Secs] | |
| 20 | 5Science (COS.sp.194 2264) | (1) BD+40-2790 | COS/FUV, TIME-TAG, PSA | G130M 1327 A | FLASH=YES; BUFFER-TIME=10 00; FP-POS=4; LIFETIME-POS=L P3; SEGMENT=BOTH | 600 Secs (664 Secs) | [5] |
| | | | | | | [==>664.0 Secs] | |



Orbit 3

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