



17501 - Lone Lion or Part of a Pride: Proper Motion and Orbit of Leo P

Cycle: 31, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> |
|--|---|
| Dr. Paul Bennet (PI) (Contact) | Space Telescope Science Institute |
| Dr. Sangmo Tony Sohn (CoI) (CoPI) (Contact) | Space Telescope Science Institute |
| Dr. Roeland P. van der Marel (CoI) (AdminUSPI) | Space Telescope Science Institute |
| Dr. Mattia Libralato (CoI) (ESA Member) | INAF - Istituto di Astrofisica Spaziale |
| Dr. Mark Fardal (CoI) | Eureka Scientific Inc. |
| Dr. Ekta Patel (CoI) | University of Utah |
| Dr. Laura L. Watkins (CoI) (ESA Member) | Space Telescope Science Institute - ESA - JWST |
| Dr. Andres del Pino Molina (CoI) (ESA Member) | Centro de Estudios de Fisica del Cosmos de Aragon |
| Dr. Eduardo Vitral (CoI) | Space Telescope Science Institute |

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) LEO-P | ACS/WFC | 3 | 01-Jul-2024 12:00:56.0 | yes |
| 02 | (1) LEO-P | ACS/WFC | 3 | 01-Jul-2024 12:00:56.0 | yes |
| 03 | (1) LEO-P | ACS/WFC | 3 | 01-Jul-2024 12:00:57.0 | yes |
| 04 | (1) LEO-P | ACS/WFC | 3 | 01-Jul-2024 12:00:58.0 | yes |
| 05 | (1) LEO-P | ACS/WFC | 2 | 01-Jul-2024 12:00:59.0 | yes |
| 06 | (1) LEO-P | ACS/WFC | 2 | 01-Jul-2024 12:00:59.0 | yes |
| 51 | (1) LEO-P | ACS/WFC | 2 | 01-Jul-2024 12:01:00.0 | yes |

18 Total Orbits Used

ABSTRACT

We propose to measure the first proper motion (PM) of a galaxy outside the LG by observing Leo P, a low mass, very low metallicity dwarf beyond the edge of the Local Group (LG, $D=1.6$ Mpc). By combining the new HST PM with the existing line-of-sight velocity, position and distance, we will precisely determine Leo P's trajectory, and compare the orbital characteristics and timescale with the existing star formation history (SFH). This will enable us to address several key questions such as: Is Leo P a member of the Antlia-Sextans group (ASG) or is it truly isolated? If it is part of the ASG, how did that dwarf galaxy group form? What is the transverse motion of galaxies outside the zero-velocity sphere of the LG? How does the SFH of Leo P relate to its environment, and are the sequence of bursts and quenches seen in its SFH driven by internal or external processes? And what are the implications for galaxy evolution at low masses? Leo P is far too distant and faint to be studied by Gaia. Only HST has the depth, astrometric precision and long time baselines via its archives to start measuring PMs of galaxies outside the LG. Thus, with Hubble's exceptional longevity and stability, we are able to continue to push back the frontiers of extra-galactic science.

OBSERVING DESCRIPTION

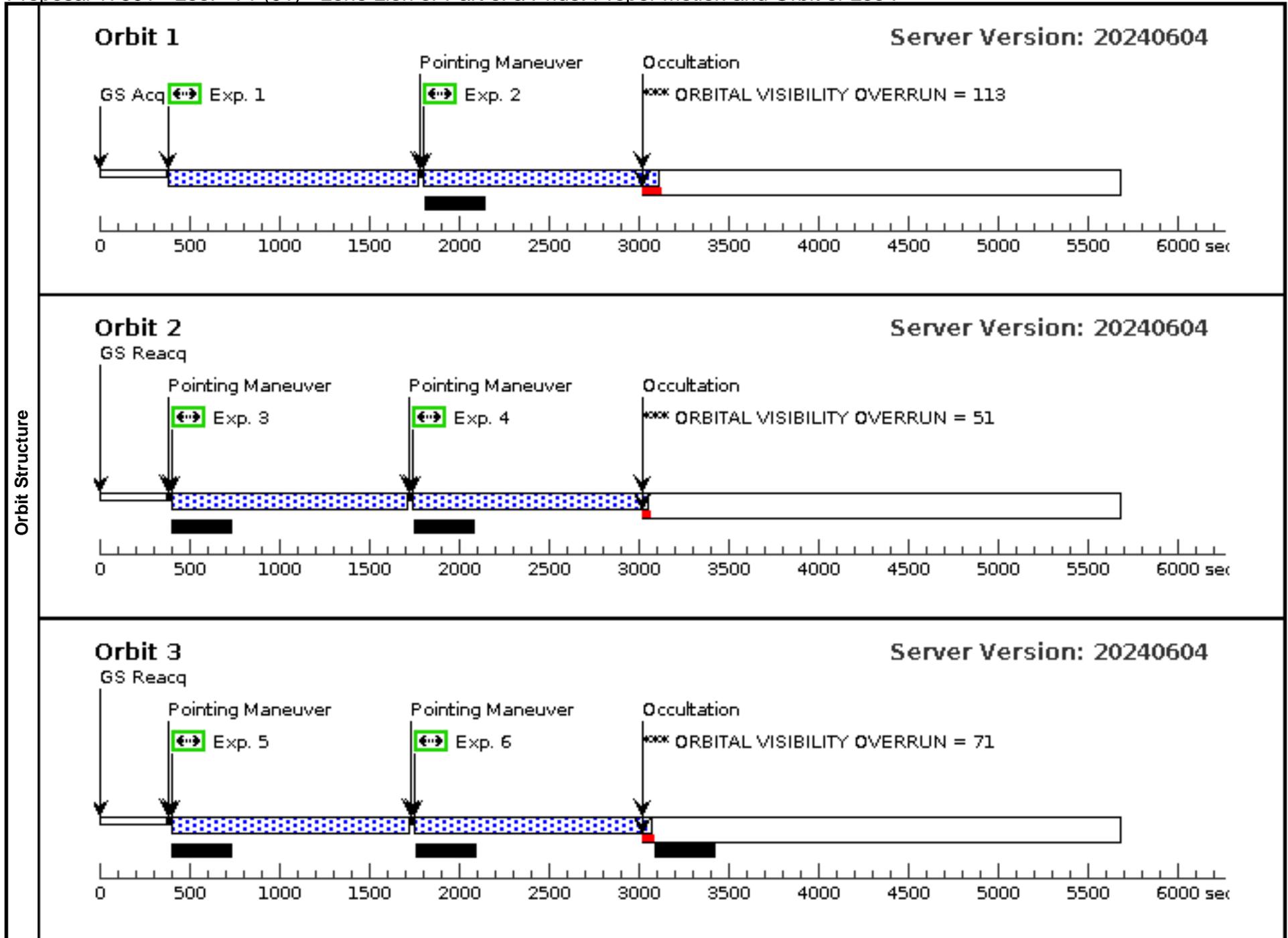
We will observe a single target field of the dwarf galaxy Leo P using ACS/WFC. This target field has deep ACS/WFC imaging data in the HST archive. In this program, the target field will be observed using the same telescope pointings and orientations as the first-epoch to maximize the overlaps of the observed fields between first- and second-epoch data. This will also minimize position-dependent uncertainties originating from imperfect CTE and geometric distortion corrections. To measure PMs, it is sufficient to observe only in one filter. Therefore, we will image all target fields using the F814W filter to measure PMs. Individual exposure times will be a half-orbit long to match the first-epoch, and we will use dithered patterns specially designed to maximize pixel-phase coverage.

We have divided our observations into 4 visits of 6 exposures (3 orbits) and a single visit of 8 exposures (4 orbits). For these separate visits we added Timing Requirements "GROUP WITHIN 30D" so that they can be treated as single epoch data for astrometric analyses.

Proposal 17501 - LeoP-V1 (01) - Lone Lion or Part of a Pride: Proper Motion and Orbit of Leo P

Mon Jul 01 16:01:00 GMT 2024

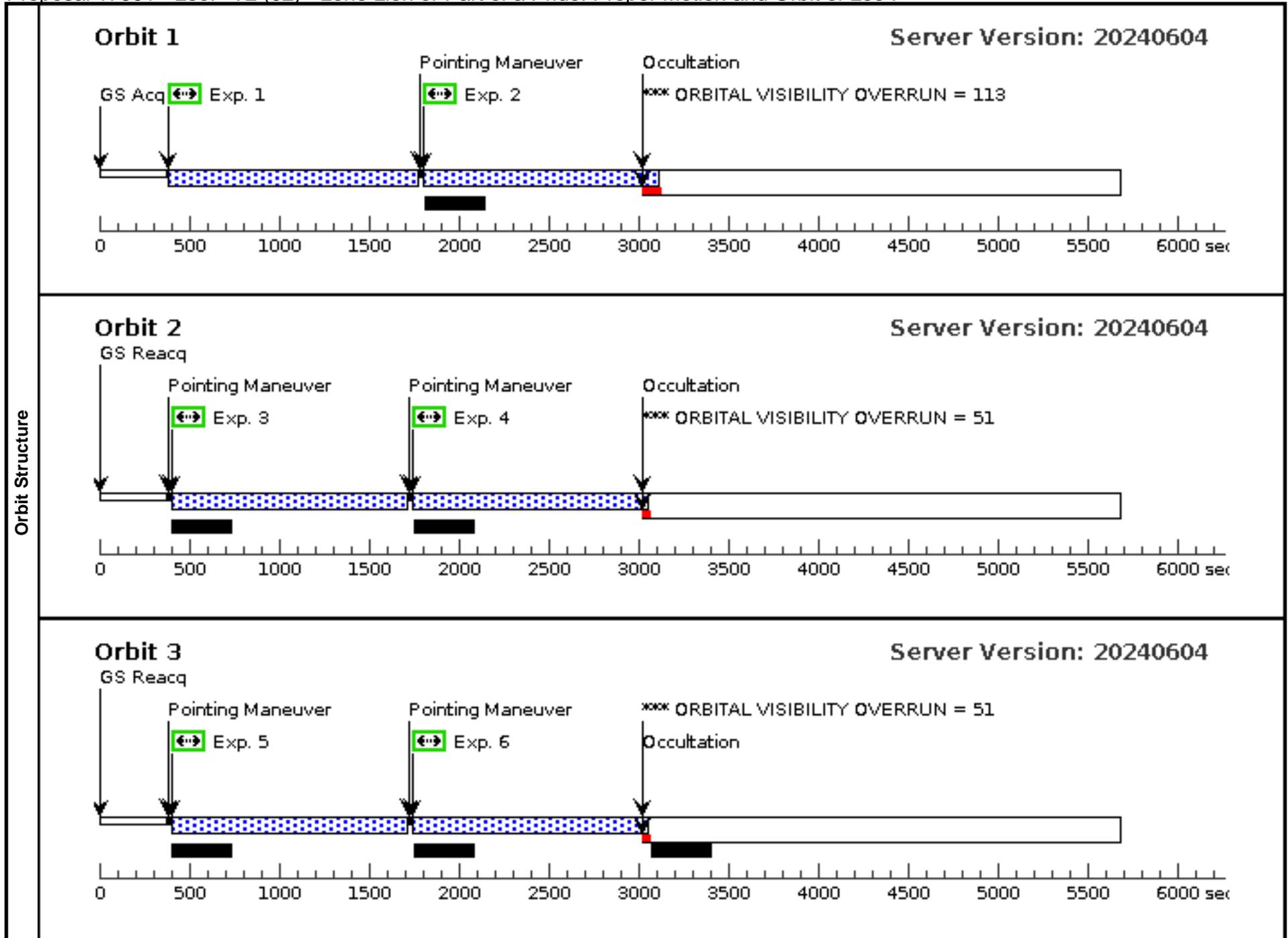
| Visit | Proposal 17501, LeoP-V1 (01), failed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: ORIENT 95.02D TO 95.02 D; GROUP 01,02,03,04,05,06 WITHIN 30D <i>Comments: This is a 3 orbit visit for Leo P.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---------------------------|--------------------------|-------------------------|----------------------------|--------|---------------------------------|-------|---|-------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|---|---------------------------|-----------|-------------------------|--------------------------|-------|--|--------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|
| | Diagnosics (LeoP-V1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>LEO-P</td> <td>RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000</td> <td>Epoch of Position: 2015.5</td> <td>V=16.8</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF ELLIPTICAL, STAR FORMING REGION] Extended=YES</p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0,0</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.2228,0 .1158</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.0998,0 .2303</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.3225,0 .3460</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>5</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.4075,0 .0306</td> <td></td> <td>1199 Secs (1199 Secs) [==>]</td> <td>[3]</td> </tr> <tr> <td>6</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.6304,0 .1464</td> <td></td> <td>1199 Secs (1199 Secs) [==>]</td> <td>[3]</td> </tr> </tbody> </table> | | | | | | | | | | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0,0 | | 1189 Secs (1189 Secs) [==>] | [1] | 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.2228,0 .1158 | | 1189 Secs (1189 Secs) [==>] | [1] | 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.0998,0 .2303 | | 1189 Secs (1189 Secs) [==>] | [2] | 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.3225,0 .3460 | | 1189 Secs (1189 Secs) [==>] | [2] | 5 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4075,0 .0306 | | 1199 Secs (1199 Secs) [==>] | [3] | 6 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6304,0 .1464 | | 1199 Secs (1199 Secs) [==>] | [3] |
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0,0 | | 1189 Secs (1189 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.2228,0 .1158 | | 1189 Secs (1189 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.0998,0 .2303 | | 1189 Secs (1189 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.3225,0 .3460 | | 1189 Secs (1189 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4075,0 .0306 | | 1199 Secs (1199 Secs) [==>] | [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6304,0 .1464 | | 1199 Secs (1199 Secs) [==>] | [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposures | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 17501 - LeoP-V2 (02) - Lone Lion or Part of a Pride: Proper Motion and Orbit of Leo P

Mon Jul 01 16:01:00 GMT 2024

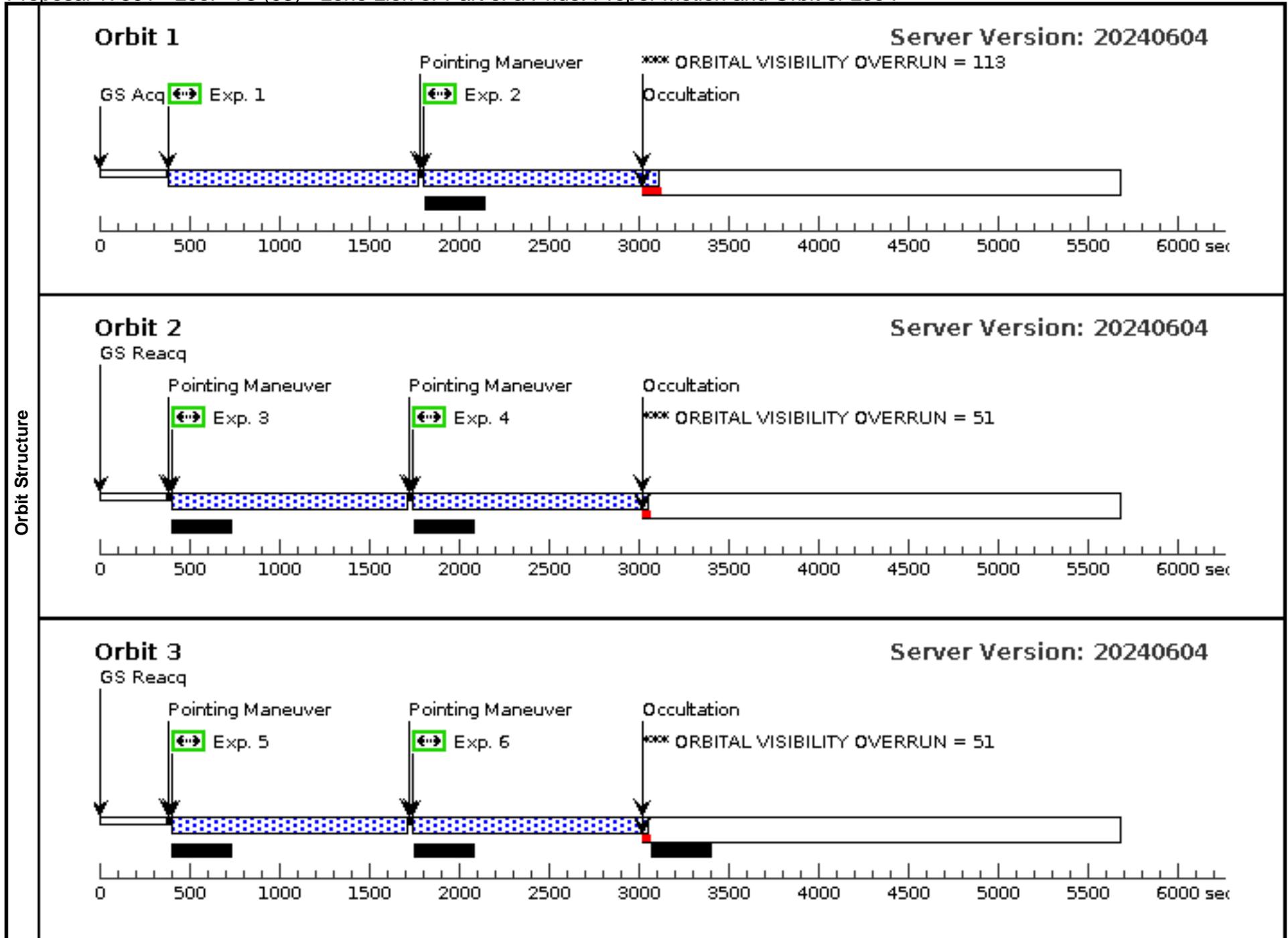
| Visit | Proposal 17501, LeoP-V2 (02), completed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: ORIENT 95.02D TO 95.02 D; GROUP 02,01,03,04,05,06 WITHIN 30D <i>Comments: This is a 3 orbit visit for Leo P.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---------------------------|--------------------------|-------------------------|----------------------------|--------|---------------------------------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|---|---------------------------|-----------|-------------------------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|
| | Diagnosics (LeoP-V2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6304,0 .1464 | | 1189 Secs (1189 Secs) [=>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.7302,0 .3767 | | 1189 Secs (1189 Secs) [=>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.0018,0 .4085 | | 1189 Secs (1189 Secs) [=>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.2246,0 .5243 | | 1189 Secs (1189 Secs) [=>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.1017,0 .6388 | | 1189 Secs (1189 Secs) [=>] | [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.3244,0 .7545 | | 1189 Secs (1189 Secs) [=>] | [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposures | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 17501 - LeoP-V3 (03) - Lone Lion or Part of a Pride: Proper Motion and Orbit of Leo P

Mon Jul 01 16:01:00 GMT 2024

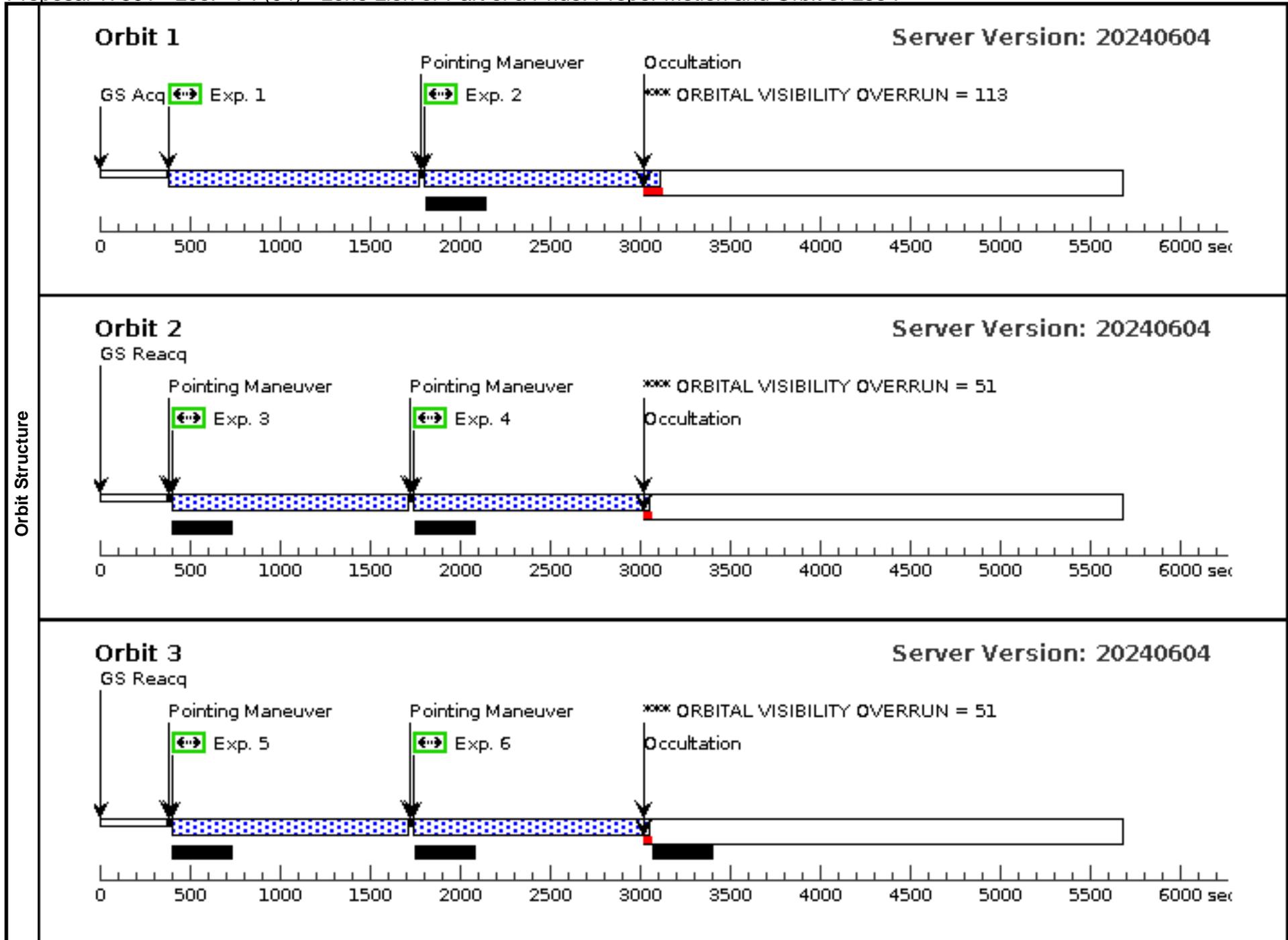
| Visit | Proposal 17501, LeoP-V3 (03), completed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: ORIENT 95.02D TO 95.02 D; GROUP 03,01,02,04,05,06 WITHIN 30D <i>Comments: This is a 3 orbit visit for Leo P.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---------------------------|--------------------------|--------------------------|----------------------------|---------------|---------------------------------|----------------------|---|---------------------------|---------------|-------------------------|--|-------|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|-------------------------------|-----|
| | Diagnosics (LeoP-V3 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V3 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V3 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>LEO-P</td> <td>RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000</td> <td>Epoch of Position: 2015.5</td> <td>V=16.8</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF ELLIPTICAL, STAR FORMING REGION] Extended=YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.4093,0 .4392</td> <td></td> <td>1189 Secs (1189 Secs) [=>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.6322,0 .5550</td> <td></td> <td>1189 Secs (1189 Secs) [=>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.5091,0 .6695</td> <td></td> <td>1189 Secs (1189 Secs) [=>]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.7320,0 .7852</td> <td></td> <td>1189 Secs (1189 Secs) [=>]</td> <td>[2]</td> </tr> <tr> <td>5</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.3438,0 .2386</td> <td></td> <td>1189 Secs (1189 Secs) [=>]</td> <td>[3]</td> </tr> <tr> <td>6</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.5666,0 .3544</td> <td></td> <td>1189 Secs (1189 Secs) [=>]</td> <td>[3]</td> </tr> </tbody> </table> | | | | | | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4093,0 .4392 | | 1189 Secs (1189 Secs) [=>] | [1] | 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6322,0 .5550 | | 1189 Secs (1189 Secs) [=>] | [1] | 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.5091,0 .6695 | | 1189 Secs (1189 Secs) [=>] | [2] | 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.7320,0 .7852 | | 1189 Secs (1189 Secs) [=>] | [2] | 5 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.3438,0 .2386 | | 1189 Secs (1189 Secs) [=>] | [3] | 6 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.5666,0 .3544 | | 1189 Secs (1189 Secs) [=>] | [3] |
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4093,0 .4392 | | 1189 Secs (1189 Secs) [=>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6322,0 .5550 | | 1189 Secs (1189 Secs) [=>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.5091,0 .6695 | | 1189 Secs (1189 Secs) [=>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.7320,0 .7852 | | 1189 Secs (1189 Secs) [=>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.3438,0 .2386 | | 1189 Secs (1189 Secs) [=>] | [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.5666,0 .3544 | | 1189 Secs (1189 Secs) [=>] | [3] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 17501 - LeoP-V4 (04) - Lone Lion or Part of a Pride: Proper Motion and Orbit of Leo P

Mon Jul 01 16:01:00 GMT 2024

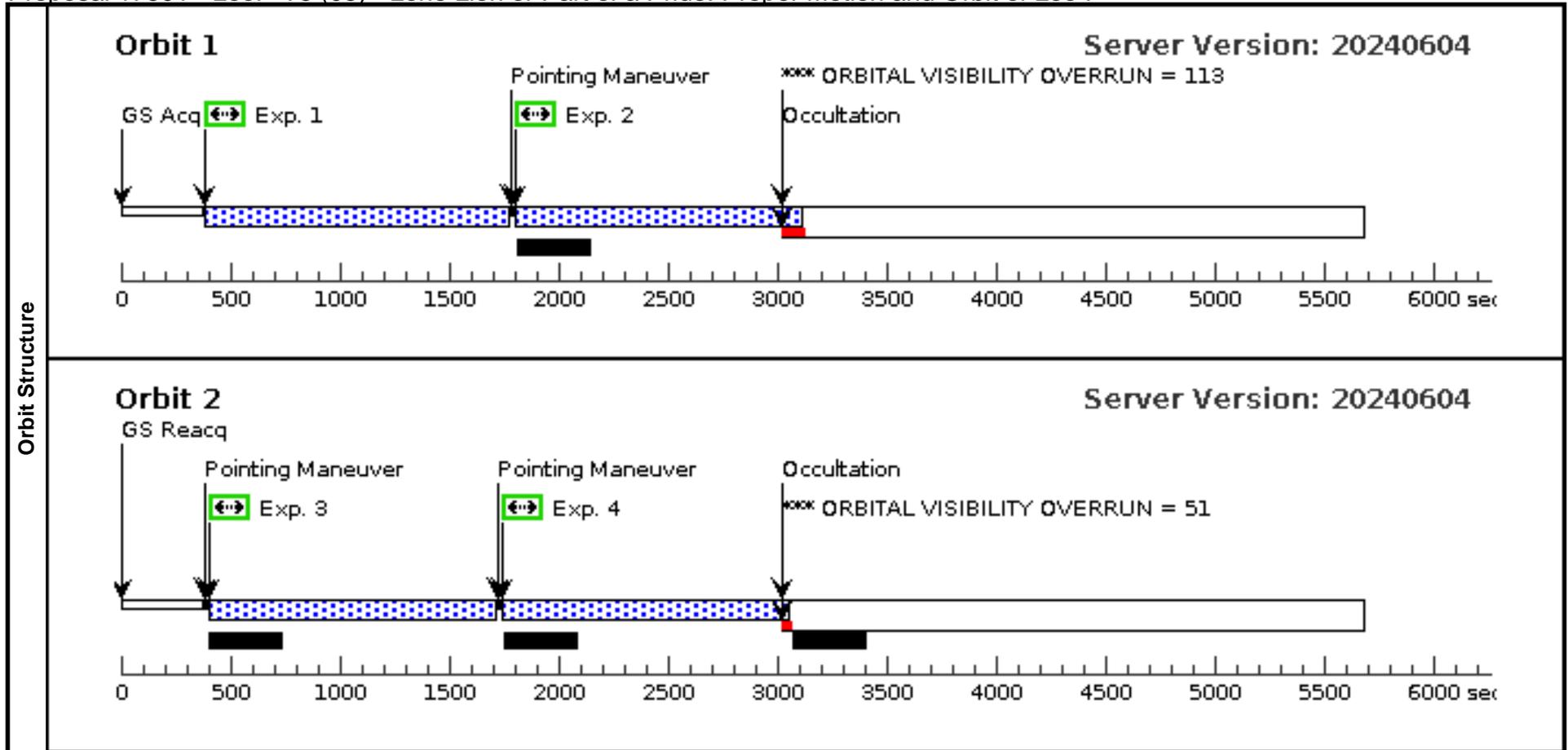
| Visit | Proposal 17501, LeoP-V4 (04), completed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: ORIENT 95.02D TO 95.02 D; GROUP 04,01,02,03,05,06 WITHIN 30D <i>Comments: This is a 3 orbit visit for Leo P.</i> | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--|---|---------------------------|--------------------------|-------------------------|--------------|----------------------------|--------|---------------------------------|-------|---|------|--------------------|--------------------------|--------|---------------|-----|-------|---|---------------------------|--------|-------------------------|
| Diagnostics | (LeoP-V4 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V4 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V4 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>LEO-P</td> <td>RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000</td> <td>Epoch of Position: 2015.5</td> <td>V=16.8</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF ELLIPTICAL, STAR FORMING REGION] Extended=YES</p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD |
| # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | |
| (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | | | | | | | | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | |
| | 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4436,0 .4689 | | 1189 Secs (1189 Secs) [==>] | [1] | | | | | | | | | | | | |
| | 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6663,0 .5846 | | 1189 Secs (1189 Secs) [==>] | [1] | | | | | | | | | | | | |
| | 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.7513,0 .2692 | | 1189 Secs (1189 Secs) [==>] | [2] | | | | | | | | | | | | |
| | 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.9742,0 .3850 | | 1189 Secs (1189 Secs) [==>] | [2] | | | | | | | | | | | | |
| | 5 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.8511,0 .4995 | | 1189 Secs (1189 Secs) [==>] | [3] | | | | | | | | | | | | |
| | 6 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 1.0740,0 .6153 | | 1189 Secs (1189 Secs) [==>] | [3] | | | | | | | | | | | | |



Proposal 17501 - LeoP-V5 (05) - Lone Lion or Part of a Pride: Proper Motion and Orbit of Leo P

Mon Jul 01 16:01:00 GMT 2024

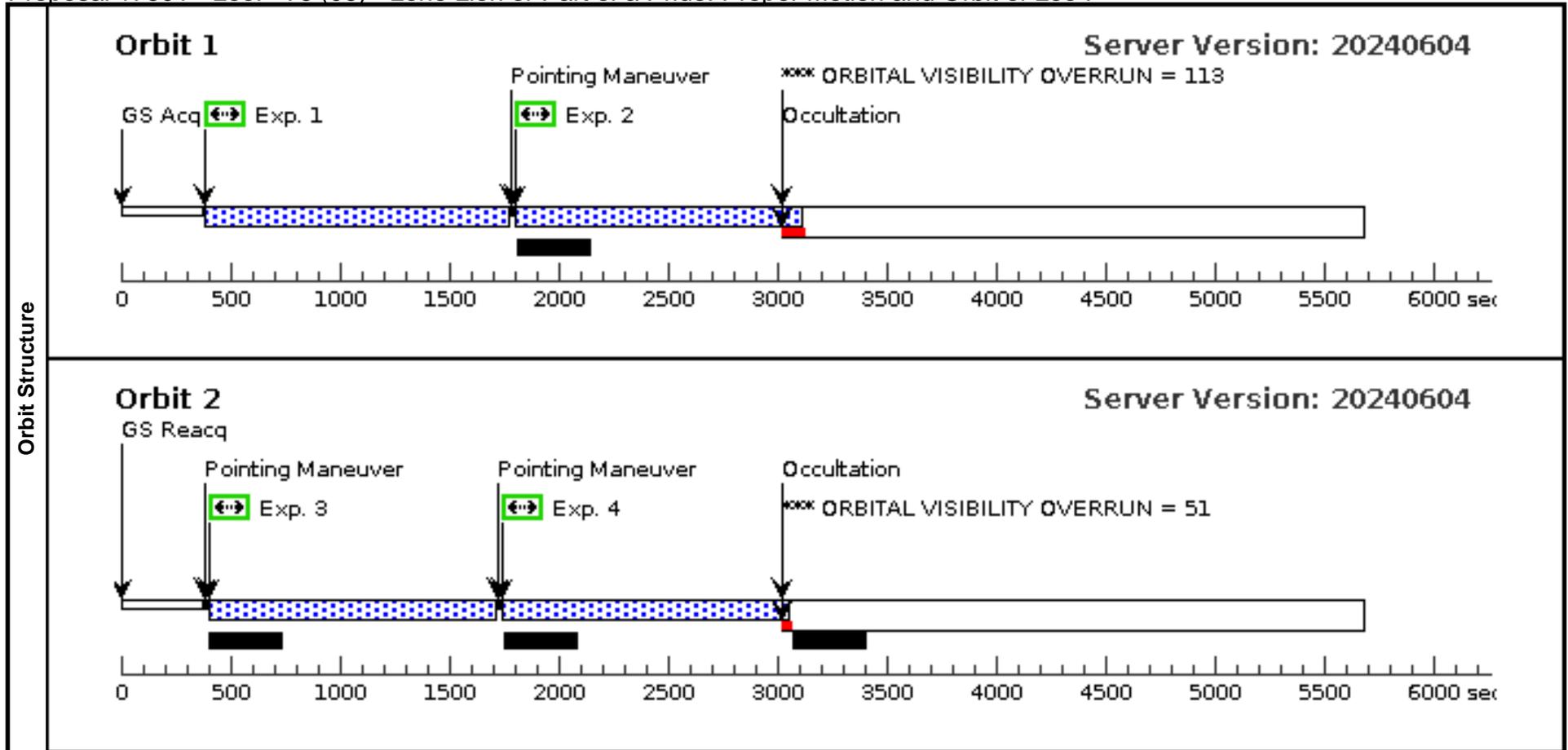
| Visit | Proposal 17501, LeoP-V5 (05), failed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: ORIENT 95.02D TO 95.02 D; GROUP 05,01,02,03,04 WITHIN 30D <i>Comments: This is a 2 orbit visit for Leo P.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---------------------------|--------------------------|-------------------------|----------------------------|--------|---------------------------------|-------|---|-------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|---|---------------------------|-----------|-------------------------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|
| | Diagnosics (LeoP-V5 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V5 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>LEO-P</td> <td>RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000</td> <td>Epoch of Position: 2015.5</td> <td>V=16.8</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF ELLIPTICAL, STAR FORMING REGION] Extended=YES</p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.3456,0 .6471</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.5684,0 .7629</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.4455,0 .8774</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.6682,0 .9931</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[2]</td> </tr> </tbody> </table> | | | | | | | | | | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.3456,0 .6471 | | 1189 Secs (1189 Secs) [==>] | [1] | 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.5684,0 .7629 | | 1189 Secs (1189 Secs) [==>] | [1] | 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4455,0 .8774 | | 1189 Secs (1189 Secs) [==>] | [2] | 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6682,0 .9931 | | 1189 Secs (1189 Secs) [==>] | [2] |
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.3456,0 .6471 | | 1189 Secs (1189 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.5684,0 .7629 | | 1189 Secs (1189 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4455,0 .8774 | | 1189 Secs (1189 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6682,0 .9931 | | 1189 Secs (1189 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 17501 - LeoP-V6 (06) - Lone Lion or Part of a Pride: Proper Motion and Orbit of Leo P

Mon Jul 01 16:01:00 GMT 2024

| Visit | Proposal 17501, LeoP-V6 (06), completed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: ORIENT 95.02D TO 95.02 D; GROUP 06,01,02,03,04 WITHIN 30D <i>Comments: This is a 2 orbit visit for Leo P.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---------------------------|--------------------------|--------------------------|----------------------------|---------------|---------------------------------|----------------------|---|---------------------------|---------------|-------------------------|--|-------|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|---|-----------|-----------|--------------------------|-------|--|----------------------------|--|--------------------------------|-----|
| | Diagnosics (LeoP-V6 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LeoP-V6 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>LEO-P</td> <td>RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000</td> <td>Epoch of Position: 2015.5</td> <td>V=16.8</td> <td>Reference Frame: SIMBAD</td> </tr> </tbody> </table> | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF ELLIPTICAL, STAR FORMING REGION] Extended=YES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.7531,0 .6778</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.9760,0 .7936</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 0.8529,0 .9081</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>(1) LEO-P</td> <td>(1) LEO-P</td> <td>ACS/WFC, ACCUM, WFCENTER</td> <td>F814W</td> <td></td> <td>POS TARG 1.0758,1 .0238</td> <td></td> <td>1189 Secs (1189 Secs) [==>]</td> <td>[2]</td> </tr> </tbody> </table> | | | | | | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.7531,0 .6778 | | 1189 Secs (1189 Secs) [==>] | [1] | 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.9760,0 .7936 | | 1189 Secs (1189 Secs) [==>] | [1] | 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.8529,0 .9081 | | 1189 Secs (1189 Secs) [==>] | [2] | 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 1.0758,1 .0238 | | 1189 Secs (1189 Secs) [==>] | [2] |
| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.7531,0 .6778 | | 1189 Secs (1189 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.9760,0 .7936 | | 1189 Secs (1189 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.8529,0 .9081 | | 1189 Secs (1189 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | (1) LEO-P | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 1.0758,1 .0238 | | 1189 Secs (1189 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 17501 - LeoP-V51 (51) - Lone Lion or Part of a Pride: Proper Motion and Orbit of Leo P

Mon Jul 01 16:01:00 GMT 2024

| Visit | Proposal 17501, LeoP-V51 (51), pi Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none) <i>Comments: This is a two orbit visit to repeat failed observations from visits 1 & 5.</i> | | | | | | | | | |
|-----------|--|-------|-----------|---|---------------------------|--------------|----------------------------|--------|---|-------|
| | Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | |
| | | (1) | LEO-P | RA: 10 21 48.1157 (155.4504821d) Dec: +18 05 33.80 (18.09272d) Equinox: J2000 | Epoch of Position: 2015.5 | V=16.8 | Reference Frame: SIMBAD | | | |
| | <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[DWARF ELLIPTICAL, STAR FORMING REGION] Extended=YES | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4075,0 .0306 | | 1189 Secs (1132 Secs) [=>1132.0 Secs] | [1] |
| | 2 | | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6304,0 .1464 | | 1189 Secs (1132 Secs) [=>1132.0 Secs] | [1] |
| | 3 | | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.4455,0 .8774 | | 1189 Secs (1163 Secs) [=>1163.0 Secs] | [2] |
| | 4 | | (1) LEO-P | ACS/WFC, ACCUM, WFCENTER | F814W | | POS TARG 0.6682,0 .9931 | | 1189 Secs (1163 Secs) [=>1163.0 Secs] | [2] |

