



10557 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

Cycle: 14, Proposal Category: GO
(Availability Mode: AVAILABLE)

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> | <i>E-Mail</i> |
|-----------------------------|------------------------------|---------------|
| Dr. Faith Vilas (PI) | University of Arizona | |
| Dr. Amanda R. Hendrix (CoI) | Jet Propulsion Laboratory | |

VISITS

| <i>Visit</i> | <i>Targets</i> | <i>Configurations</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|--------------------------|-----------------------|--------------------|-------------------------------|-------------------------------|
| 01 | (1) ASTEROID-832-KARIN-1 | ACS/HRC | 1 | 06-Jul-2005 21:09:18.0 | yes |
| 02 | (2) ASTEROID-832-KARIN-2 | ACS/HRC | 1 | 06-Jul-2005 21:09:25.0 | yes |
| 03 | (4) ASTEROID-4507 | ACS/HRC | 2 | 06-Jul-2005 21:09:30.0 | yes |
| 04 | (5) ASTEROID-7719 | ACS/HRC | 1 | 06-Jul-2005 21:09:37.0 | yes |
| 05 | (6) ASTEROID-10783 | ACS/HRC | 1 | 06-Jul-2005 21:09:39.0 | yes |
| 06 | (3) ASTEROID-1906 | ACS/HRC | 1 | 06-Jul-2005 21:09:43.0 | yes |
| 07 | (7) ASTEROID-3494 | ACS/HRC | 1 | 06-Jul-2005 21:09:47.0 | yes |
| 08 | (8) ASTEROID-3265 | ACS/HRC | 1 | 06-Jul-2005 21:09:51.0 | yes |

9 Total Orbits Used

ABSTRACT

We propose six HST orbits to obtain UV reflectance spectra covering 200-460 nm of two Vesta asteroid family members, asteroid 832 Karin, and two Karin family members. These observations extend work done under a Cycle 13 AR grant, where we analyzed all of the existing IUE and HST S-class asteroids in the MAST database to investigate the effects of space weathering at UV wavelengths. Our hypothesis is that the manifestation of space weathering at UV wavelengths is a spectral bluing, in contrast with a spectral reddening at visible-NIR wavelengths, and that UV wavelengths can be more sensitive to relatively small amounts of weathering than longer wavelengths. The proposed observations will address two objectives: (1) Measure the UV-visible spectra of 832 Karin and two members of the young Karin family (absolute age of 5.8 My), in order to determine whether intermediate space weathering is observable in objects likely pristine when they originated from the interior of Karin's parent body. (2) Measure the UV-visible spectra of two members of the Vesta family to compare with our analysis of IUE Vesta spectra. These observations will probe Vesta's interior, and test our hypothesis by contrasting the apparent amount of alteration on the surfaces of Vestoids with excavated material on Vesta.

OBSERVING DESCRIPTION

We will obtain reflectance spectra of five main-belt asteroids covering 200-460 nm using the ACS/HRC with the PR200L prism. All asteroids are point sources. We will visit asteroid 832 Karin twice, with the second visit timed so that we obtain spectra at 180 deg longitude intervals of the asteroid in its 18.82 hour period. All other asteroids will be observed during one orbit only. The observing constraints will ensure that the asteroids are all observed near opposition; observations minimizing the phase angle are preferred. The number and length of exposures for each asteroid varies depending on the range of apparent magnitudes of the asteroids.

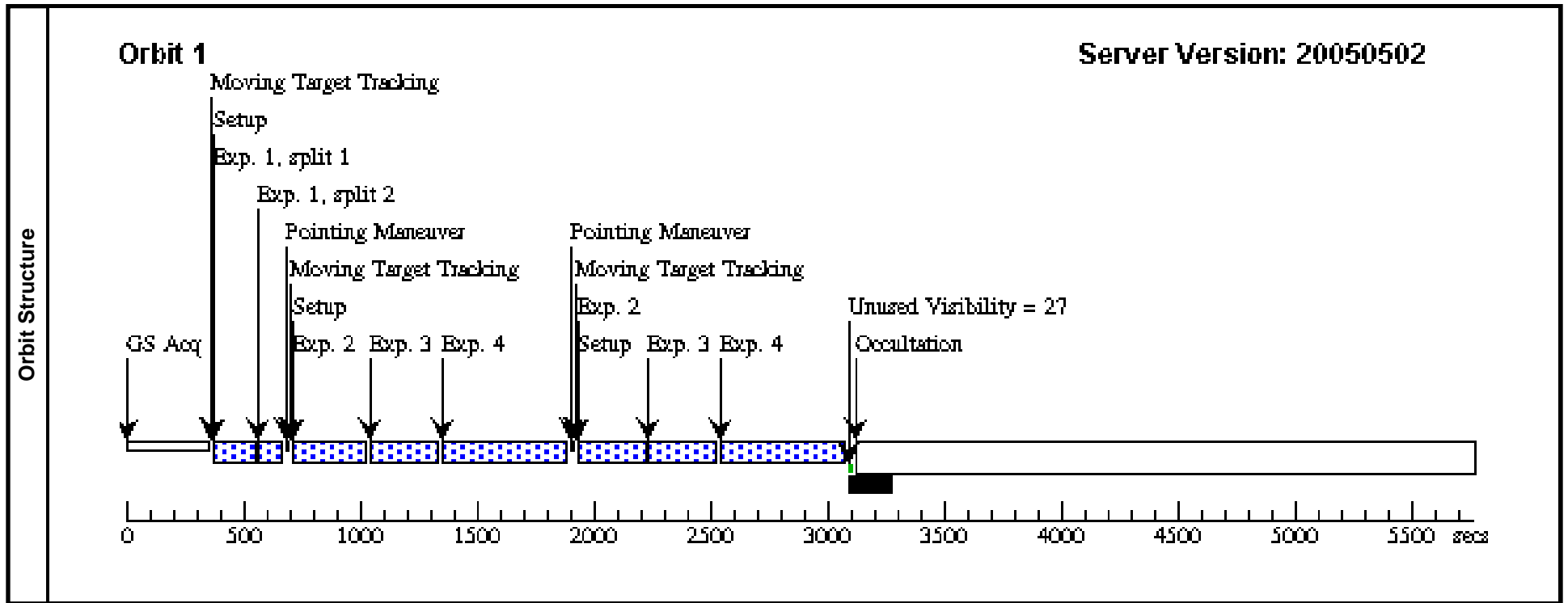
ADDITIONAL COMMENTS

Visit 2 should be offset from Visit 1 by $7.1n$ to $11.2n$ hours, where n is an odd integer.

Proposal 10557 - Visit 01 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

Thu Jul 07 01:09:53 GMT 2005

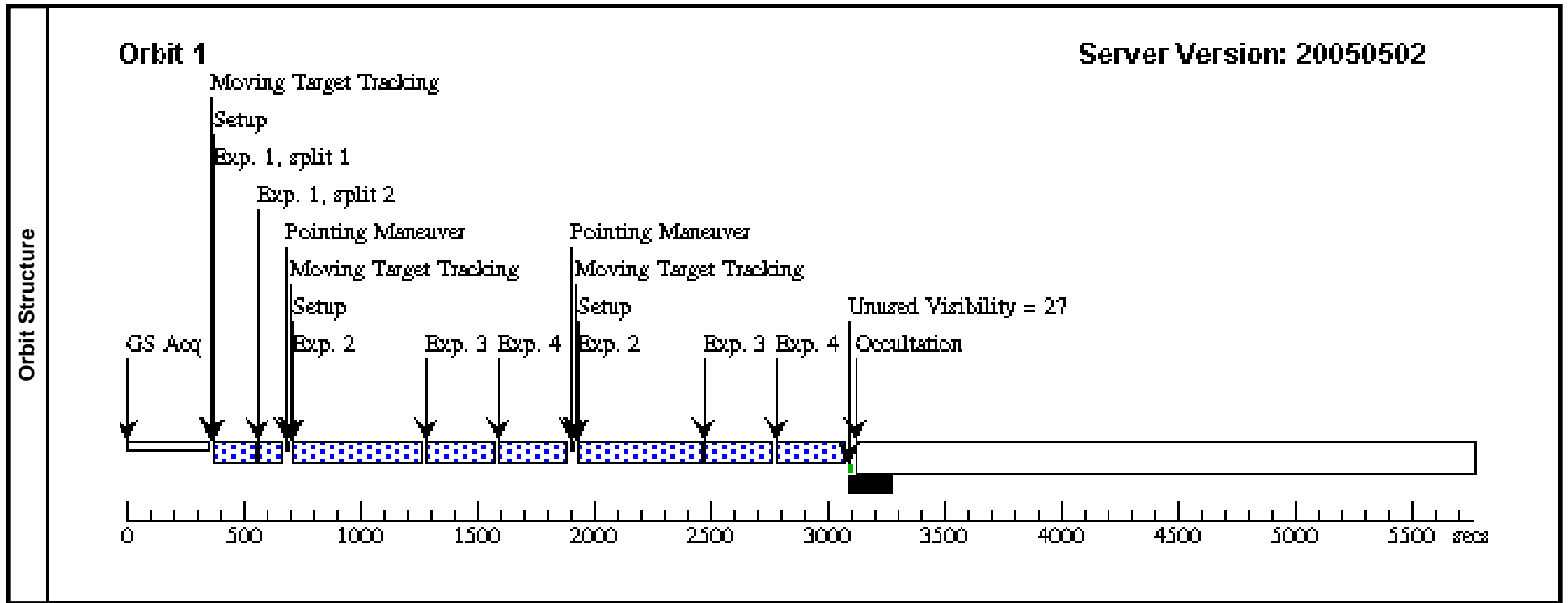
| Visit | Proposal 10557, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: VISIBILITY INTERVAL 52 M | | | | | | | | | |
|----------------------|--|--------------------------|--|---|---------------|---|---------------|-----------------|-------------------------|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (1) | Pattern Type=ACS-HRC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.084 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=32.1 Angle Between Sides= Center Pattern=false | | | | | (2-4) | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | | | | |
| | (1) | ASTEROID-832-KARIN-1 | TYPE=ASTEROID,A=2.8634314,E=0.081 503099999,I=1.00321,O=254.60852,W=11 8.1131,M=70.47575999,EQUINOX=J2000, EPOCH=30-JAN-2005:00:00:00 | | | RANGE ASTEROID-832-KARIN-1 EARTH LT 2.2. PHASE OF ASTEROID-832-KARIN-1 FROM EARTH BETWEEN -10.5 10.5 | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | | (1) ASTEROID-832-KARIN-1 | ACS/HRC, ACCUM, HRC | F330W | | | | 120.0 Secs | |
| | | | | | | | | | [==>(Split 1)] | [1] |
| | | | | | | | | | [==>(Split 2)] | |
| 2 | | (1) ASTEROID-832-KARIN-1 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 260.0 Secs | |
| | | | | | | | | | [==>(Pattern 1)] | [1] |
| | | | | | | | | | [==>(Pattern 2)] | |
| 3 | | (1) ASTEROID-832-KARIN-1 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 260.0 Secs | |
| | | | | | | | | | [==>(Pattern 1)] | [1] |
| | | | | | | | | | [==>(Pattern 2)] | |
| 4 | | (1) ASTEROID-832-KARIN-1 | ACS/HRC, ACCUM, HRC | PR200L | | GAIN=2; CR-SPLIT=NO; AUTOIMAGE=NO | | Pattern 2-4 (1) | 500.0 Secs | |
| | | | | | | | | | [==>(Pattern 1)] | [1] |
| | | | | | | | | | [==>(Pattern 2)] | |



Proposal 10557 - Visit 02 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

Thu Jul 07 01:09:53 GMT 2005

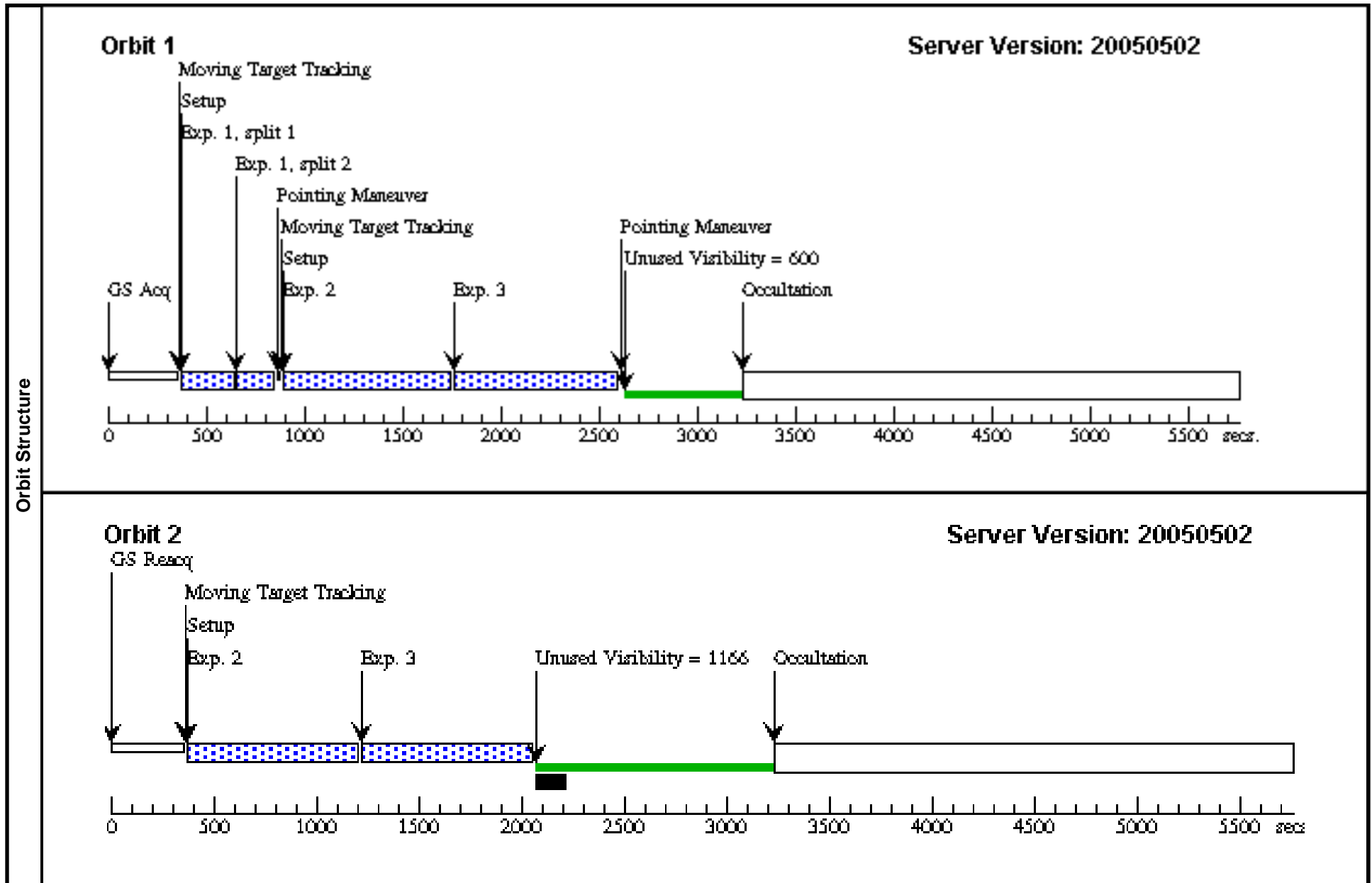
| Visit | Proposal 10557, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: AFTER 01 BY 7.1 H TO 11.2 H; VISIBILITY INTERVAL 52 M | | | | | | | | | |
|----------------------|---|--------------------------|--|---|---------------|---|---------------|-----------------|-------------------------|------------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (1) | Pattern Type=ACS-HRC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.084 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=32.1 Angle Between Sides= Center Pattern=false | | | | | (2-4) | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | | | | |
| | (2) | ASTEROID-832-KARIN-2 | TYPE=ASTEROID,A=2.8634314,E=0.081 503099999,I=1.00321,O=254.60852,W=11 8.1131,M=70.47575999,EQUINOX=J2000, EPOCH=30-JAN-2005:00:00:00 | | | RANGE ASTEROID-832-KARIN-2 EARTH LT 2.2. PHASE OF ASTEROID-832-KARIN-2 FROM EARTH BETWEEN -10.5 10.5 | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | | (2) ASTEROID-832-KARIN-2 | ACS/HRC, ACCUM, HRC | F330W | | | | 120.0 Secs | |
| | | | | | | | | | [==>(Split 1)] | [1] |
| | | | | | | | | | [==>(Split 2)] | |
| | 2 | | (2) ASTEROID-832-KARIN-2 | ACS/HRC, ACCUM, HRC | PR200L | | GAIN=2; | | Pattern 2-4 (1) | 500.0 Secs |
| | | | | | | CR-SPLIT=NO; | | | [==>(Pattern 1)] | [1] |
| | | | | | | AUTOIMAGE=NO | | | [==>(Pattern 2)] | |
| 3 | | (2) ASTEROID-832-KARIN-2 | ACS/HRC, ACCUM, HRC | PR200L | | GAIN=2; | | Pattern 2-4 (1) | 260.0 Secs | |
| | | | | | | CR-SPLIT=NO; | | | [==>(Pattern 1)] | [1] |
| | | | | | | AUTOIMAGE=NO | | | [==>(Pattern 2)] | |
| 4 | | (2) ASTEROID-832-KARIN-2 | ACS/HRC, ACCUM, HRC | PR200L | | GAIN=2; | | Pattern 2-4 (1) | 260.0 Secs | |
| | | | | | | CR-SPLIT=NO; | | | [==>(Pattern 1)] | [1] |
| | | | | | | AUTOIMAGE=NO | | | [==>(Pattern 2)] | |



Proposal 10557 - Visit 03 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

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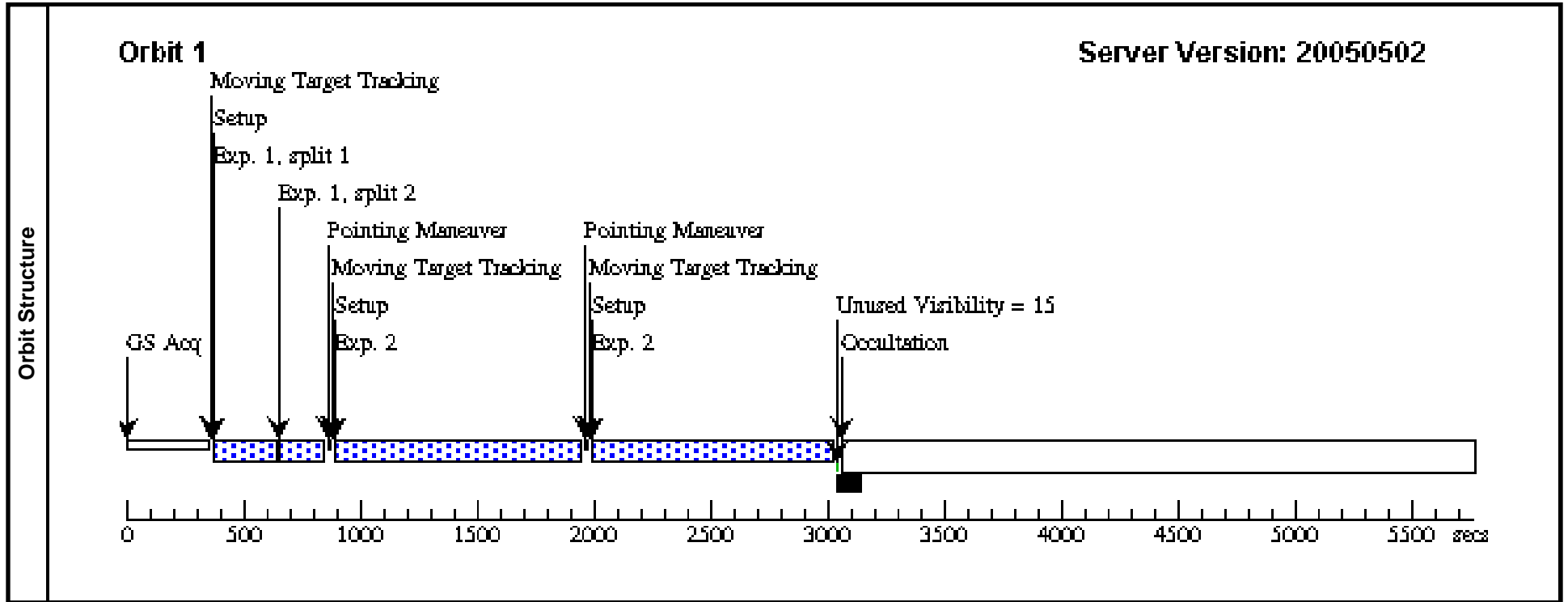
| | | | | | | | | | | | |
|-----------------------------|--|--|---|-----------------------------|----------------------|---|--------------------------|------------------|--------------------------------|--------------|------------------|
| Visit | Proposal 10557, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: ON HOLD <i>On Hold Comments: STScI should choose between Visit 3, Visit 4 and Visit 5. We need TWO of these three visit (for two Karin daughter asteroids).</i> | | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures |
| (1) | | Pattern Type=ACS-HRC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.084 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=32.1 Angle Between Sides= Center Pattern=false | | | | | (2-3) | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | | | | | |
| | (4) | ASTEROID-4507 | TYPE=ASTEROID,A=2.8703058,E=0.013 0695,I=2.67055,O=47.63573,W=98.87228, M=57.25201,EQUINOX=J2000,EPOCH=3 0-JAN-2005:00:00:00 | | | RANGE ASTEROID-4507 EARTH LT 2.4, PHASE OF ASTEROID-4507 FROM EARTH BETWEEN -19.0 19.0 | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | |
| | 1 | | (4) ASTEROID-4507 | ACS/HRC, ACCUM, HRC | F330W | | | | 300.0 Secs | | |
| | | | 7 | | | | | | [==>(Split 1)] | [1] | |
| | | | | | | | | | [==>(Split 2)] | | |
| | 2 | | (4) ASTEROID-4507 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; | | Pattern 2-3 (1) | 800.0 Secs | |
| | | | 7 | | | | GAIN=2; | | [==>(Pattern 1)] | [1] | |
| | | | | | | AUTOIMAGE=NO | | [==>(Pattern 2)] | [2] | | |
| 3 | | (4) ASTEROID-4507 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; | | Pattern 2-3 (1) | 800.0 Secs | | |
| | | 7 | | | | GAIN=2; | | [==>(Pattern 1)] | [1] | | |
| | | | | | | AUTOIMAGE=NO | | [==>(Pattern 2)] | [2] | | |



Proposal 10557 - Visit 04 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

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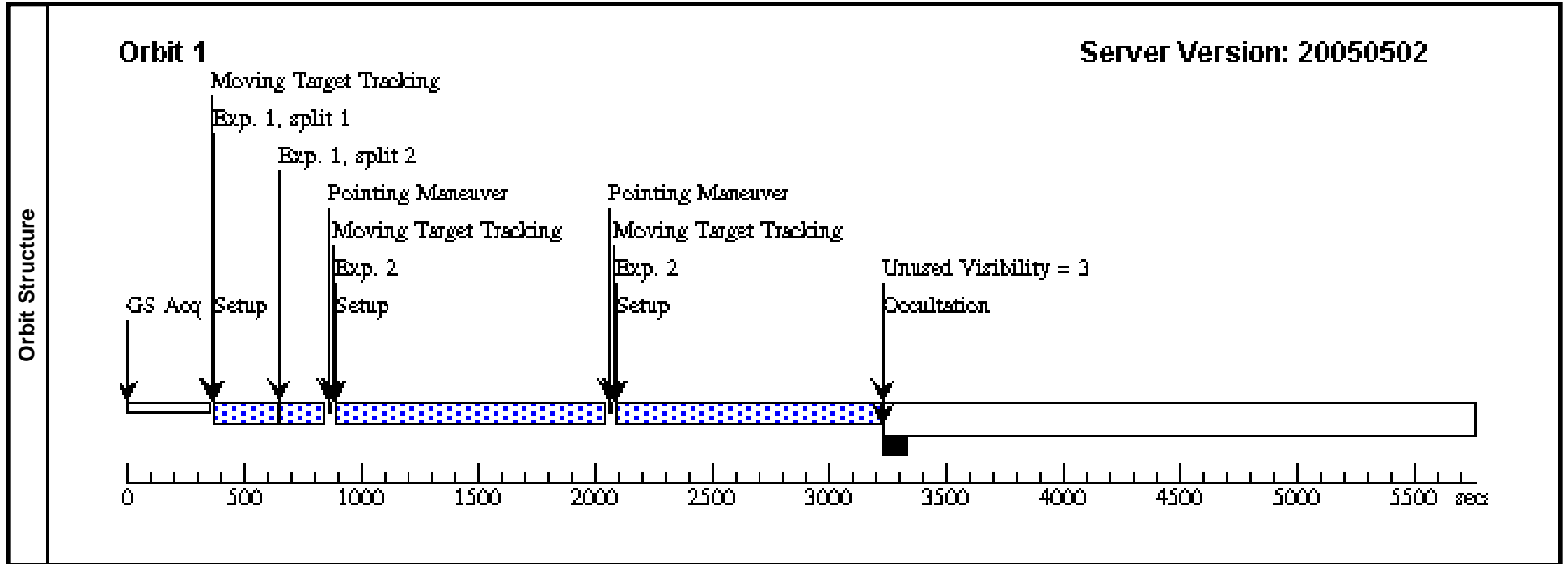
| | | | | | | | | | | | |
|-----------------------------|---|--|---|-----------------------------|----------------------|---|--|-----------------|--------------------------------|--|------------------|
| Visit | Proposal 10557, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: ON HOLD ; VISIBILITY INTERVAL 51 M <i>On Hold Comments: STScI should choose between Visit 3, Visit 4 and Visit 5. We need TWO of these three visit (for two Karin daughter asteroids).</i> | | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures |
| (1) | | Pattern Type=ACS-HRC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.084 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=32.1 Angle Between Sides= Center Pattern=false | | | | | (2) | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | | | | | |
| | (5) | ASTEROID-7719 | TYPE=ASTEROID,A=2.86666807753379, E=0.05025142152465,I=2.0838056241495 4,O=173.6745067419738,W=249.9506264 155356,M=107.6710685824747,EQUINO X=J2000,EPOCH=07-JUL-2001:00:00:00 | | | | RANGE ASTEROID-7719 EARTH LT 1.89, PHASE OF ASTEROID-7719 FROM EARTH BETWEEN -3.0 3.0 | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | | Orbit |
| | 1 | | (5) ASTEROID-7719 | ACS/HRC, ACCUM, HRC | F330W | | | | 300.0 Secs | | |
| | | | | | | | | | [==>(Split 1)] | | [1] |
| | | | | | | | | | [==>(Split 2)] | | |
| 2 | | (5) ASTEROID-7719 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-2 (1) | 1000.0 Secs | | |
| | | | | | | | | | [==>(Pattern 1)] | | [1] |
| | | | | | | | | | [==>(Pattern 2)] | | |



Proposal 10557 - Visit 05 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

Thu Jul 07 01:09:56 GMT 2005

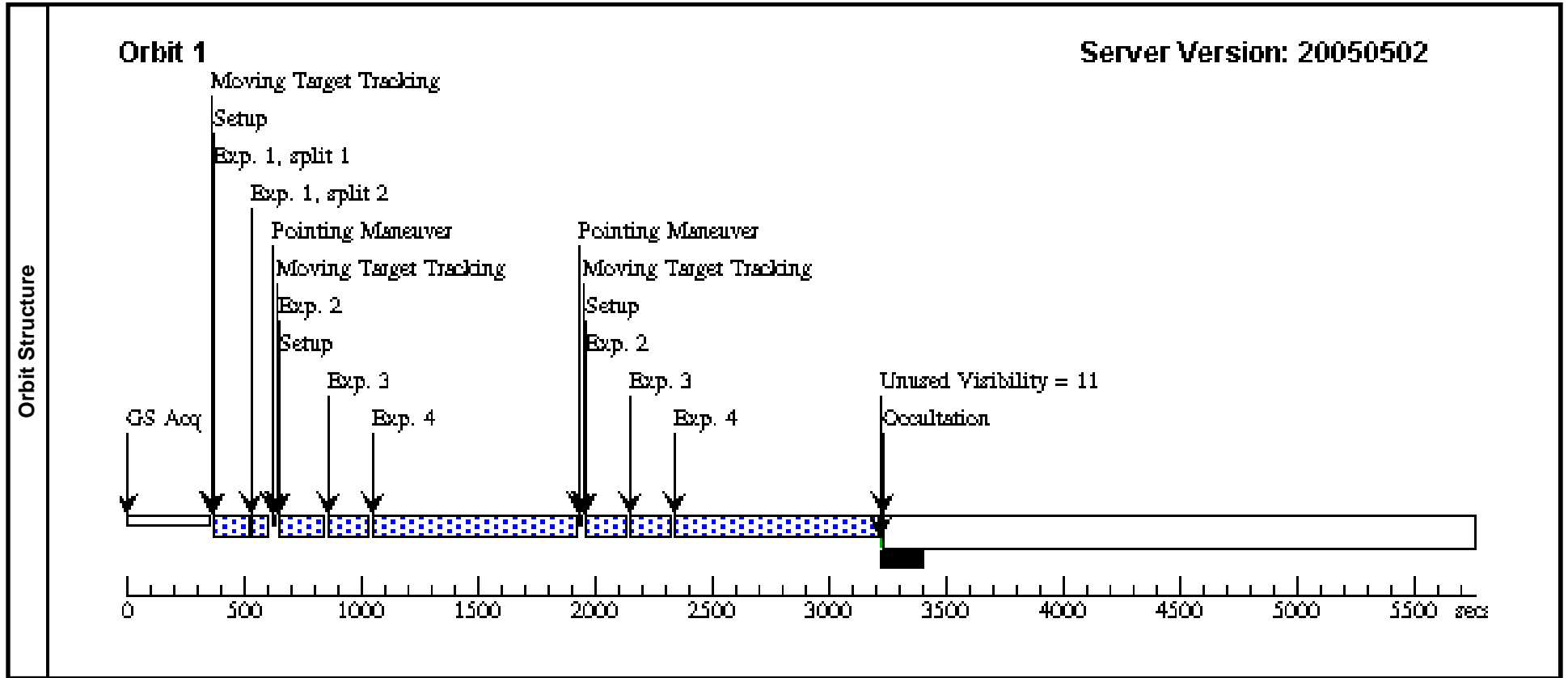
| | | | | | | | | | | |
|-----------------------------|--|--|--|-----------------------------|----------------------|---|-----------------------------|-----------------|---|--------------|
| Visit | Proposal 10557, Visit 05 Diagnostic Status: Warning Scientific Instruments: ACS/HRC Special Requirements: NUMBER OF GYROS 3; ON HOLD <i>On Hold Comments: STScI should choose between Visit 3, Visit 4 and Visit 5. We need TWO of these three visit (for two Karin daughter asteroids).</i> | | | | | | | | | |
| | (Visit 05) Warning: Number of Gyros overrides default value. | | | | | | | | | |
| Diagnostics | | | | | | | | | | |
| | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures | |
| | (1) | Pattern Type=ACS-HRC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.084 Line Spacing= | | | | Coordinate Frame=POS-TARG Pattern Orientation=32.1 Angle Between Sides= Center Pattern=false | | | (2) | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | | | | |
| | (6) | ASTEROID-10783 | TYPE=ASTEROID,A=2.86418547689807 I,E=0.06322448728282803,I=1.953128436 899108,O=178.2033469860155,W=233.59 90163776583,M=2.600264249740454,EQ UINOX=J2000,EPOCH=31-DEC-2001:00:00:00 | | | RANGE ASTEROID-10783 EARTH LT 1.89, PHASE OF ASTEROID-10783 FROM EARTH BETWEEN -5.5 5.5 | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | (6) ASTEROID-10783 | ASTEROID-10783 | ACS/HRC, ACCUM, HRC | F330W | | GS ACQ SCENARIO BASE13GO | | 300.0 Secs [=>(Split 1)] [=>(Split 2)] | [1] |
| | 2 | (6) ASTEROID-10783 | ASTEROID-10783 | ACS/HRC, ACCUM, HRC | PR200L | GAIN=2; CR-SPLIT=NO; AUTOIMAGE=NO | | Pattern 2-2 (1) | 1095.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] | [1] |



Proposal 10557 - Visit 06 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

Thu Jul 07 01:09:56 GMT 2005

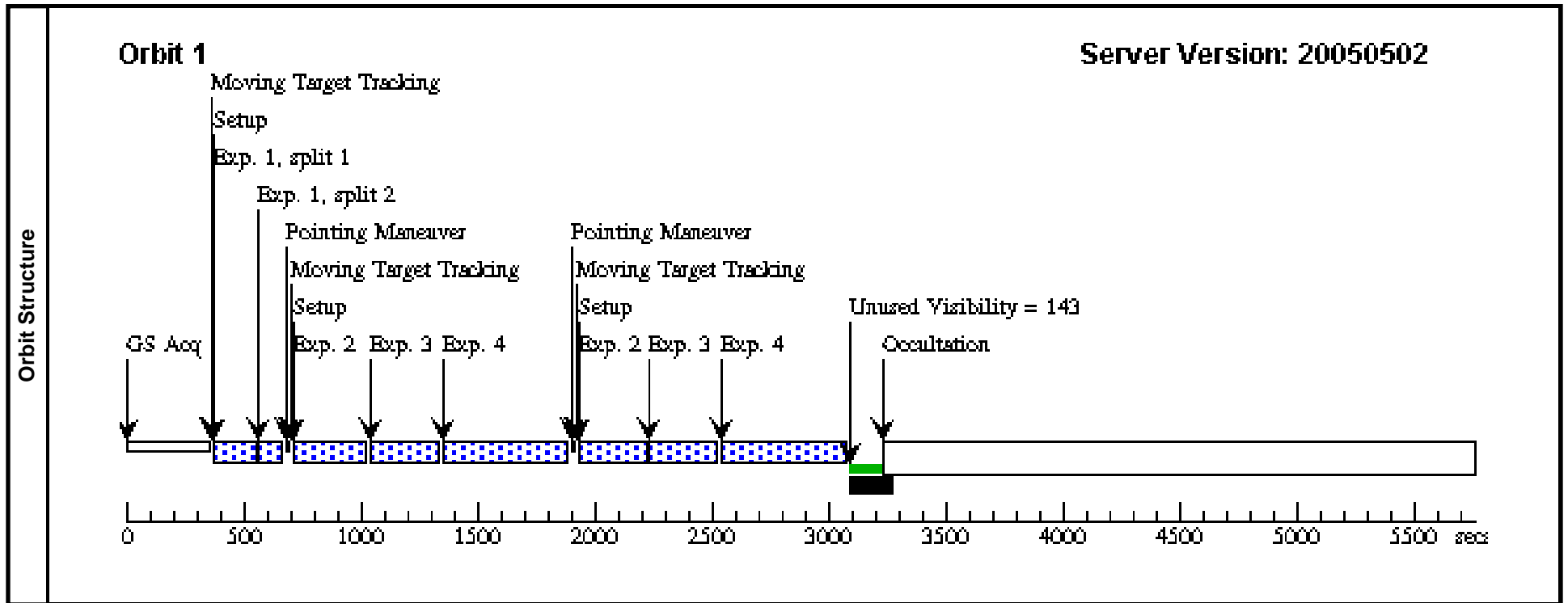
| Visit | Proposal 10557, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: (none) | | | | | | | | | |
|----------------------|--|-------------------|--|---|---------------|--|---|------------------|-------------------------|------------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (1) | Pattern Type=ACS-HRC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.084 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=32.1 Angle Between Sides= Center Pattern=false | | | | | (2-4) | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | | | | |
| | (3) | ASTEROID-1906 | TYPE=ASTEROID,A=2.3732287,E=0.135 166,I=6.47238,O=354.99879,W=14.67278, M=294.79939,EQUINOX=J2000,EPOCH= 30-JAN-2005:00:00:00 | | | RANGE ASTEROID-1906 EARTH LT 1.16, PHASE OF ASTEROID-1906 FROM EARTH BETWEEN -19.0 19.0 | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | | (3) ASTEROID-1906 | ACS/HRC, ACCUM, HRC | F330W | | | | 60.0 Secs | |
| | | | | | | | | | [==>(Split 1)] | [1] |
| | | | | | | | | | [==>(Split 2)] | |
| | 2 | | (3) ASTEROID-1906 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 136.0 Secs |
| | | | | | | | | [==>(Pattern 1)] | [1] | |
| | | | | | | | | [==>(Pattern 2)] | | |
| 3 | | (3) ASTEROID-1906 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 136.0 Secs | |
| | | | | | | | | [==>(Pattern 1)] | [1] | |
| | | | | | | | | [==>(Pattern 2)] | | |
| 4 | | (3) ASTEROID-1906 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 836.0 Secs | |
| | | | | | | | | [==>(Pattern 1)] | [1] | |
| | | | | | | | | [==>(Pattern 2)] | | |



Proposal 10557 - Visit 07 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

Thu Jul 07 01:09:56 GMT 2005

| Visit | Proposal 10557, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: ON HOLD <i>On Hold Comments: STScI should choose between Visit 7 and Visit 8. We require just one of those two visits (for a Vesta daughter asteroid).</i> | | | | | | | | | |
|----------------------|---|-------------------|---|---|---|---|---|--------------------------------------|--------------------------------------|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (1) | Pattern Type=ACS-HRC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.084 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=32.1 Angle Between Sides= Center Pattern=false | | | | | (2-4) | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | | | | |
| | (7) | ASTEROID-3494 | TYPE=ASTEROID,A=2.3496975,E=0.129 9372,I=5.83713,O=234.56412,W=72.27039 ,M=4.21124,EQUINOX=J2000,EPOCH=3 0-JAN-2005:00:00:00 | | | | RANGE ASTEROID-3494 EARTH LT 1.4, PHASE OF ASTEROID-3494 FROM EARTH BETWEEN -13.2 13.2 | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | | (7) ASTEROID-3494 | ACS/HRC, ACCUM, HRC | F330W | | | | 120.0 Secs | |
| | | | 4 | | | | | | [==>(Split 1)] [==>(Split 2)] | [1] |
| | 2 | | (7) ASTEROID-3494 | ACS/HRC, ACCUM, HRC | PR200L | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 260.0 Secs | |
| | | | 4 | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| 3 | | (7) ASTEROID-3494 | ACS/HRC, ACCUM, HRC | PR200L | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 260.0 Secs | | |
| | | 4 | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] | [1] | |
| 4 | | (7) ASTEROID-3494 | ACS/HRC, ACCUM, HRC | PR200L | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 500.0 Secs | | |
| | | 4 | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] | [1] | |



Proposal 10557 - Visit 08 - Probing Asteroid Families for Evidence of Ultraviolet Space Weathering Effects

Thu Jul 07 01:09:57 GMT 2005

| | | | | | | | | | | | |
|-----------------------------|---|--|--|-----------------------------|----------------------|---|---|-----------------|--------------------------------|------------|------------------|
| Visit | Proposal 10557, Visit 08 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/HRC Special Requirements: ON HOLD <i>On Hold Comments: STScI should choose between Visit 7 and Visit 8. We require just one of those two visits (for a Vesta daughter asteroid).</i> | | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures |
| (1) | | Pattern Type=ACS-HRC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.084 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=32.1 Angle Between Sides= Center Pattern=false | | | | | | | (2-4) | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | | | | | |
| | (8) | ASTEROID-3265 | TYPE=ASTEROID,A=2.4102613,E=0.142 4453,I=6.93767,O=72.93719,W=297.8231, M=278.78983,EQUINOX=J2000,EPOCH= 30-JAN-2005:00:00:00 | | | RANGE ASTEROID-3265 EARTH LT 1.2, PHASE OF ASTEROID-3265 FROM EARTH BETWEEN -15.0 15.0 | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | | Orbit |
| | 1 | | (8) ASTEROID-3265 | ACS/HRC, ACCUM, HRC | F330W | | | | 120.0 Secs | | |
| | | | | | | | | | [==>(Split 1)] | | [1] |
| | | | | | | | | | [==>(Split 2)] | | |
| | 2 | | (8) ASTEROID-3265 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 260.0 Secs | |
| | | | | | | | | | [==>(Pattern 1)] | | [1] |
| | | | | | | | | | [==>(Pattern 2)] | | |
| 3 | | (8) ASTEROID-3265 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 260.0 Secs | | |
| | | | | | | | | | [==>(Pattern 1)] | | [1] |
| | | | | | | | | | [==>(Pattern 2)] | | |
| 4 | | (8) ASTEROID-3265 | ACS/HRC, ACCUM, HRC | PR200L | | CR-SPLIT=NO; GAIN=2; AUTOIMAGE=NO | | Pattern 2-4 (1) | 500.0 Secs | | |
| | | | | | | | | | [==>(Pattern 1)] | | [1] |
| | | | | | | | | | [==>(Pattern 2)] | | |

