



# 11295 - Trigonometric Calibration of the Distance Scale for Classical Novae

Cycle: 16, Proposal Category: GO

(Availability Mode: SUPPORTED)

## INVESTIGATORS

| <i>Name</i>                    | <i>Institution</i>                       | <i>E-Mail</i>             |
|--------------------------------|------------------------------------------|---------------------------|
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## 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> |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 11           | (1) V603-AQL<br>(7) V603-REF2<br>(8) V603-REF3<br>(9) V603-REF4<br>(10) V603-REF5<br>(11) V603-REF6<br>(12) V603-REF7<br>(13) V603-REF8 | FGS                                 | 1                  | 18-Jan-2008 05:30:04.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>                                                                                                                             | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 12           | (1) V603-AQL<br>(7) V603-REF2<br>(8) V603-REF3<br>(9) V603-REF4<br>(10) V603-REF5<br>(11) V603-REF6<br>(12) V603-REF7<br>(13) V603-REF8                  | FGS                                 | 1                  | 18-Jan-2008 05:30:17.0        | yes                           |
| 13           | (1) V603-AQL<br>(6) V603-REF1<br>(7) V603-REF2<br>(8) V603-REF3<br>(9) V603-REF4<br>(10) V603-REF5<br>(12) V603-REF7<br>(13) V603-REF8<br>(14) V603-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:30:28.0        | yes                           |
| 14           | (1) V603-AQL<br>(6) V603-REF1<br>(7) V603-REF2<br>(8) V603-REF3<br>(9) V603-REF4<br>(10) V603-REF5<br>(12) V603-REF7<br>(13) V603-REF8<br>(14) V603-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:30:40.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>                                                                                                                                                          | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 21           | (2) GK-PER<br>(15) GKPER-REF1<br>(16) GKPER-REF2<br>(17) GKPER-REF3<br>(18) GKPER-REF4<br>(19) GKPER-REF5<br>(20) GKPER-REF6<br>(21) GKPER-REF7<br>(22) GKPER-REF8<br>(23) GKPER-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:30:50.0        | yes                           |
| 22           | (2) GK-PER<br>(15) GKPER-REF1<br>(16) GKPER-REF2<br>(17) GKPER-REF3<br>(18) GKPER-REF4<br>(19) GKPER-REF5<br>(20) GKPER-REF6<br>(21) GKPER-REF7<br>(22) GKPER-REF8<br>(23) GKPER-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:30:58.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>                                                                                                                                                          | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 23           | (2) GK-PER<br>(15) GKPER-REF1<br>(16) GKPER-REF2<br>(17) GKPER-REF3<br>(18) GKPER-REF4<br>(19) GKPER-REF5<br>(20) GKPER-REF6<br>(21) GKPER-REF7<br>(22) GKPER-REF8<br>(23) GKPER-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:31:06.0        | yes                           |
| 24           | (2) GK-PER<br>(15) GKPER-REF1<br>(16) GKPER-REF2<br>(17) GKPER-REF3<br>(18) GKPER-REF4<br>(19) GKPER-REF5<br>(20) GKPER-REF6<br>(21) GKPER-REF7<br>(22) GKPER-REF8<br>(23) GKPER-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:31:14.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>                                                                                                                                                                                                   | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 31           | (3) RR-PIC<br>(25) RRPIC-REF1<br>(27) RRPIC-REF3<br>(28) RRPIC-REF4<br>(29) RRPIC-REF5<br>(30) RRPIC-REF6<br>(31) RRPIC-REF7<br>(32) RRPIC-REF8<br>(33) RRPIC-REF9<br>(34) RRPIC-REF10<br>(35) RRPIC-REF11<br>(36) RRPIC-REF12 | FGS                                 | 1                  | 18-Jan-2008 05:31:23.0        | yes                           |
| 32           | (3) RR-PIC<br>(25) RRPIC-REF1<br>(27) RRPIC-REF3<br>(28) RRPIC-REF4<br>(29) RRPIC-REF5<br>(30) RRPIC-REF6<br>(31) RRPIC-REF7<br>(32) RRPIC-REF8<br>(33) RRPIC-REF9<br>(34) RRPIC-REF10<br>(35) RRPIC-REF11<br>(36) RRPIC-REF12 | FGS                                 | 1                  | 18-Jan-2008 05:31:33.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>                                                                                                                                                                                                   | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 33           | (3) RR-PIC<br>(25) RRPIC-REF1<br>(27) RRPIC-REF3<br>(28) RRPIC-REF4<br>(29) RRPIC-REF5<br>(30) RRPIC-REF6<br>(31) RRPIC-REF7<br>(32) RRPIC-REF8<br>(33) RRPIC-REF9<br>(34) RRPIC-REF10<br>(35) RRPIC-REF11<br>(36) RRPIC-REF12 | FGS                                 | 1                  | 18-Jan-2008 05:31:44.0        | yes                           |
| 34           | (3) RR-PIC<br>(25) RRPIC-REF1<br>(27) RRPIC-REF3<br>(28) RRPIC-REF4<br>(29) RRPIC-REF5<br>(30) RRPIC-REF6<br>(31) RRPIC-REF7<br>(32) RRPIC-REF8<br>(33) RRPIC-REF9<br>(34) RRPIC-REF10<br>(35) RRPIC-REF11<br>(36) RRPIC-REF12 | FGS                                 | 1                  | 18-Jan-2008 05:31:54.0        | yes                           |

| <b>Visit</b> | <b>Targets used in Visit</b>                                                                                                                                                          | <b>Configurations used in Visit</b> | <b>Orbits Used</b> | <b>Last Orbit Planner Run</b> | <b>OP Current with Visit?</b> |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 41           | (5) DQ-HER<br>(37) DQHER-REF1<br>(38) DQHER-REF2<br>(39) DQHER-REF3<br>(40) DQHER-REF4<br>(41) DQHER-REF5<br>(42) DQHER-REF6<br>(43) DQHER-REF7<br>(44) DQHER-REF8<br>(45) DQHER-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:32:03.0        | yes                           |
| 42           | (5) DQ-HER<br>(37) DQHER-REF1<br>(38) DQHER-REF2<br>(39) DQHER-REF3<br>(40) DQHER-REF4<br>(41) DQHER-REF5<br>(42) DQHER-REF6<br>(43) DQHER-REF7<br>(44) DQHER-REF8<br>(45) DQHER-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:32:12.0        | yes                           |

| <i>Visit</i> | <i>Targets used in Visit</i>                                                                                                                                                          | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 43           | (5) DQ-HER<br>(37) DQHER-REF1<br>(38) DQHER-REF2<br>(39) DQHER-REF3<br>(40) DQHER-REF4<br>(41) DQHER-REF5<br>(42) DQHER-REF6<br>(43) DQHER-REF7<br>(44) DQHER-REF8<br>(45) DQHER-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:32:23.0        | yes                           |
| 44           | (5) DQ-HER<br>(37) DQHER-REF1<br>(38) DQHER-REF2<br>(39) DQHER-REF3<br>(40) DQHER-REF4<br>(41) DQHER-REF5<br>(42) DQHER-REF6<br>(43) DQHER-REF7<br>(44) DQHER-REF8<br>(45) DQHER-REF9 | FGS                                 | 1                  | 18-Jan-2008 05:32:32.0        | yes                           |

16 Total Orbits Used

## ABSTRACT

The distance scale for classical novae is important for understanding the stellar physics of their thermonuclear runaways, their contribution to Galactic nucleosynthesis, and their use as extragalactic standard candles. Although it is known that there is a relationship between their absolute magnitudes at maximum light and their subsequent rates of decline--the well-known maximum-magnitude rate-of-decline (MMRD) relation--it is

difficult to set the zero-point for the MMRD because of the very uncertain distances of Galactic novae.

We propose to measure precise trigonometric parallaxes for the quiescent remnants of the four nearest classical novae. We will use the Fine Guidance Sensors, which are proven to be capable of measuring parallaxes with errors of  $\sim 0.2$  mas, well below what is possible from the ground.

### **OBSERVING DESCRIPTION**

The target stars and their associated reference stars will be observed at 2 epochs in Cycle 15. Each epoch will be comprised of two single-orbit HST visits. In each visit, the target and field stars will be observed multiple times in a sequential fashion by FGS1r in Position mode with the F583W filter for stars with  $V > 8$ , or the F5ND attenuator for stars with  $V < 8$ . Exposure times will be on the order of 10 second for each exposure.

# Proposal 11295 - Visit 11 - Trigonometric Calibration of the Distance Scale for Classical Novae

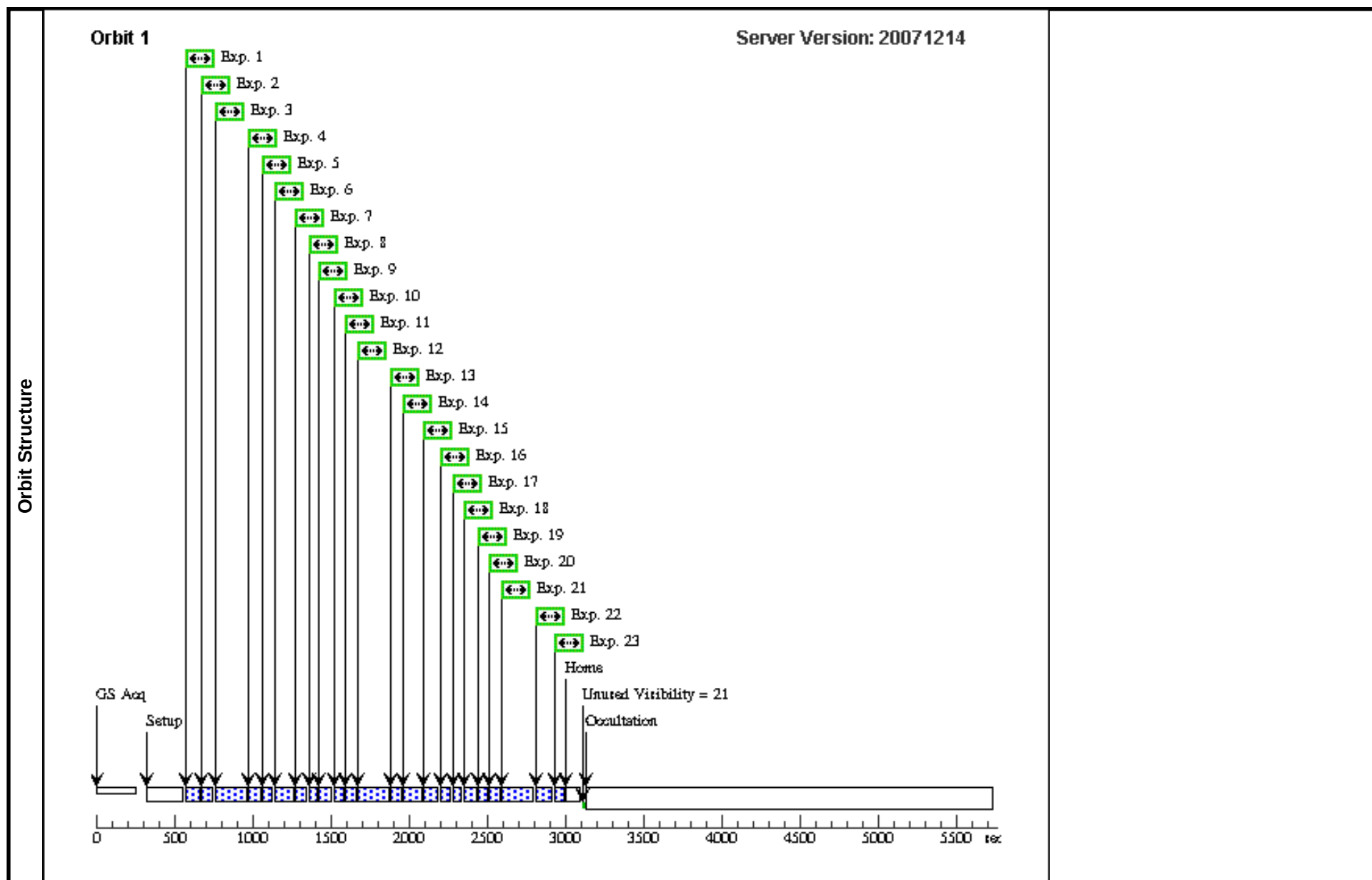
|                                                                                                    |                                                                                                                                 |                           |                                  |                    |                                    |                              |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|--------------------|------------------------------------|------------------------------|
| Visit                                                                                              | Proposal 11295, Visit 11, implementation                                                                                        |                           |                                  |                    |                                    | Fri Jan 18 10:32:37 GMT 2008 |
|                                                                                                    | Diagnostic Status: Warning                                                                                                      |                           |                                  |                    |                                    |                              |
|                                                                                                    | Scientific Instruments: FGS                                                                                                     |                           |                                  |                    |                                    |                              |
|                                                                                                    | Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 145.0D TO 150.0 D; BETWEEN 15-JUL-2007:00:00:00 AND 05-AUG-2007:00:00:00 |                           |                                  |                    |                                    |                              |
| Diagnostics                                                                                        | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | (Visit 11) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                                    |                              |
|                                                                                                    | Fixed Targets                                                                                                                   | #                         | Name                             | Target Coordinates | Targ. Coord. Corrections           | Fluxes                       |
| (1)                                                                                                |                                                                                                                                 | V603-AQL                  | RA: 18 48 54.6366 (282.2276525d) |                    | V=11.64+/-0.1                      | Reference Frame: ICRS        |
|                                                                                                    |                                                                                                                                 | Alt Name1: HD174107       | Dec: +00 35 2.86 (.58413d)       |                    | B = 11.65                          |                              |
|                                                                                                    |                                                                                                                                 | Alt Name2: GSC99448-00423 | Equinox: J2000                   |                    |                                    |                              |
| Comments: This object was generated by the target selector and retrieved from the SIMBAD database. |                                                                                                                                 |                           |                                  |                    |                                    |                              |
|                                                                                                    | (7)                                                                                                                             | V603-REF2                 | RA: 18 49 1.9000 (282.2579167d)  |                    | V=13.6+/-0.1                       | Reference Frame: ICRS        |
|                                                                                                    |                                                                                                                                 | Alt Name1: N1NN000232     | Dec: +00 33 46.40 (.56289d)      |                    | FPG=12.9,<br>JPG=14.7,<br>N=12.4   |                              |
|                                                                                                    | (8)                                                                                                                             | V603-REF3                 | RA: 18 48 48.2000 (282.2008333d) |                    | V=15.76+/-0.1                      | Reference Frame: ICRS        |
|                                                                                                    |                                                                                                                                 | Alt Name1: N1NN009734     | Dec: +00 34 59.80 (.58328d)      |                    | FPG=14.95,<br>JPG=16.8,<br>N=13.96 |                              |

# Proposal 11295 - Visit 11 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Fixed Targets (continued) | #                                            | Name                                  | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes                                                          | Miscellaneous         |                            |                           |                         |         |
|---------------------------|----------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------|-----------------------|----------------------------|---------------------------|-------------------------|---------|
|                           | (9)                                          | V603-REF4<br>Alt Name1:<br>N1NN010051 | RA: 18 48 46.3000 (282.1929167d)<br>Dec: +00 35 50.55 (.59738d)<br>Equinox: J2000 |                          | V=14.08+/-0.1<br>FPG=12.77,<br>JPG=15.85,<br>N=11.58            | Reference Frame: ICRS |                            |                           |                         |         |
|                           | (10)                                         | V603-REF5<br>Alt Name1:<br>N1NN036275 | RA: 18 48 41.0000 (282.1708333d)<br>Dec: +00 38 49.50 (.64708d)<br>Equinox: J2000 |                          | V=9.96+/-0.1<br>JPG=12.71                                       | Reference Frame: ICRS |                            |                           |                         |         |
|                           | Comments: GSC2 classifies this as "non-star" |                                       |                                                                                   |                          |                                                                 |                       |                            |                           |                         |         |
|                           | (11)                                         | V603-REF6<br>Alt Name1:<br>N1NN000205 | RA: 18 48 49.5000 (282.2062500d)<br>Dec: +00 38 26.80 (.64078d)<br>Equinox: J2000 |                          | V=12.45+/-0.1<br>FPG=11.8,<br>JPG=13.16,<br>N=11.72,<br>B=13.55 | Reference Frame: ICRS |                            |                           |                         |         |
|                           | (12)                                         | V603-REF7<br>Alt Name1:<br>N1NN010276 | RA: 18 48 55.8000 (282.2325000d)<br>Dec: +00 36 28.80 (.60800d)<br>Equinox: J2000 |                          | V=15.28+/-0.1<br>FPG=14.2,<br>JPG=17.0,<br>N=12.85              | Reference Frame: ICRS |                            |                           |                         |         |
|                           | (13)                                         | V603-REF8<br>Alt Name1:<br>N1NN010192 | RA: 18 48 53.0000 (282.2208333d)<br>Dec: +00 36 18.20 (.60506d)<br>Equinox: J2000 |                          | V=14.92+/-0.1<br>FPG=14.43,<br>JPG=15.8,<br>N=13.8              | Reference Frame: ICRS |                            |                           |                         |         |
| Exposures                 | #                                            | Label                                 | Target                                                                            | Config,Mode,Aperture     | Spectral Els.                                                   | Opt. Params.          | Special Reqs.              | Groups                    | Exp. Time/[Actual Dur.] | Orbit   |
|                           | 1                                            |                                       | (1) V603-AQL                                                                      | FGS, POS, 1              | F583W                                                           |                       | GS ACQ SCENARI<br>O SINGLE | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 2                                            |                                       | (7) V603-REF2                                                                     | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 3                                            |                                       | (8) V603-REF3                                                                     | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 15.0 Secs<br>[==>]      | <br>[1] |
|                           | 4                                            |                                       | (9) V603-REF4                                                                     | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 5                                            |                                       | (1) V603-AQL                                                                      | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 6                                            |                                       | (12) V603-REF7                                                                    | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 7                                            |                                       | (11) V603-REF6                                                                    | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 8                                            |                                       | (10) V603-REF5                                                                    | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           |                                              |                                       |                                                                                   |                          |                                                                 |                       |                            |                           |                         |         |

# Proposal 11295 - Visit 11 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target         | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 9  |       | (9) V603-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 10 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 11 |       | (7) V603-REF2  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 12 |       | (8) V603-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 15.0 Secs<br>[==>]      | [1]   |
|                       | 13 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 14 |       | (12) V603-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 15 |       | (13) V603-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 16 |       | (11) V603-REF6 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 17 |       | (10) V603-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 18 |       | (9) V603-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 19 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 20 |       | (7) V603-REF2  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 21 |       | (8) V603-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 22 |       | (13) V603-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 23 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |



# Proposal 11295 - Visit 12 - Trigonometric Calibration of the Distance Scale for Classical Novae

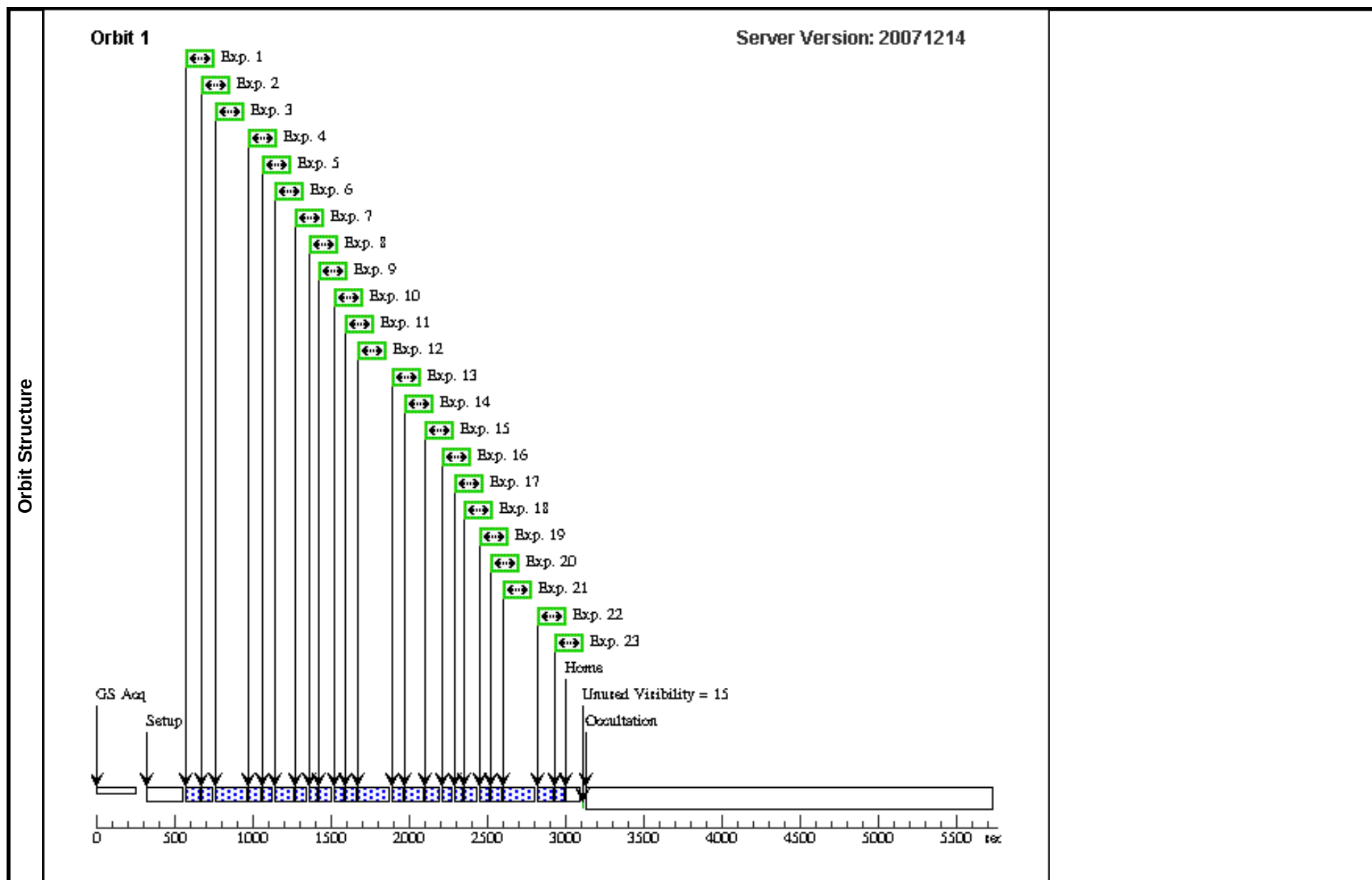
|                                                                                                    |                                                                                                                                 |                             |                                  |                    |                          |                              |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------|--------------------|--------------------------|------------------------------|
| Visit                                                                                              | Proposal 11295, Visit 12, implementation                                                                                        |                             |                                  |                    |                          | Fri Jan 18 10:32:40 GMT 2008 |
|                                                                                                    | Diagnostic Status: Warning                                                                                                      |                             |                                  |                    |                          |                              |
|                                                                                                    | Scientific Instruments: FGS                                                                                                     |                             |                                  |                    |                          |                              |
|                                                                                                    | Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 145.0D TO 150.0 D; BETWEEN 15-JUL-2007:00:00:00 AND 05-AUG-2007:00:00:00 |                             |                                  |                    |                          |                              |
| Diagnostics                                                                                        | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | (Visit 12) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                             |                                  |                    |                          |                              |
|                                                                                                    | Fixed Targets                                                                                                                   | #                           | Name                             | Target Coordinates | Targ. Coord. Corrections | Fluxes                       |
| (1)                                                                                                |                                                                                                                                 | V603-AQL                    | RA: 18 48 54.6366 (282.2276525d) |                    | V=11.64+/-0.1            | Reference Frame: ICRS        |
|                                                                                                    |                                                                                                                                 | Alt Name1: HD174107         | Dec: +00 35 2.86 (.58413d)       |                    | B = 11.65                |                              |
|                                                                                                    |                                                                                                                                 | Alt Name2: GSC99448-00423   | Equinox: J2000                   |                    |                          |                              |
| Comments: This object was generated by the target selector and retrieved from the SIMBAD database. |                                                                                                                                 |                             |                                  |                    |                          |                              |
| (7)                                                                                                |                                                                                                                                 | V603-REF2                   | RA: 18 49 1.9000 (282.2579167d)  |                    | V=13.6+/-0.1             | Reference Frame: ICRS        |
|                                                                                                    |                                                                                                                                 | Alt Name1: N1NN000232       | Dec: +00 33 46.40 (.56289d)      |                    | FPG=12.9,                |                              |
|                                                                                                    |                                                                                                                                 |                             | Equinox: J2000                   |                    | JPG=14.7,                |                              |
|                                                                                                    |                                                                                                                                 |                             |                                  |                    | N=12.4                   |                              |
| (8)                                                                                                |                                                                                                                                 | V603-REF3                   | RA: 18 48 48.2000 (282.2008333d) |                    | V=15.76+/-0.1            | Reference Frame: ICRS        |
|                                                                                                    | Alt Name1: N1NN009734                                                                                                           | Dec: +00 34 59.80 (.58328d) |                                  | FPG=14.95,         |                          |                              |
|                                                                                                    |                                                                                                                                 | Equinox: J2000              |                                  | JPG=16.8,          |                          |                              |
|                                                                                                    |                                                                                                                                 |                             |                                  | N=13.96            |                          |                              |

# Proposal 11295 - Visit 12 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Fixed Targets (continued) | #                                            | Name                                  | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes                                                          | Miscellaneous         |                            |                           |                         |       |
|---------------------------|----------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------|-----------------------|----------------------------|---------------------------|-------------------------|-------|
|                           | (9)                                          | V603-REF4<br>Alt Name1:<br>N1NN010051 | RA: 18 48 46.3000 (282.1929167d)<br>Dec: +00 35 50.55 (.59738d)<br>Equinox: J2000 |                          | V=14.08+/-0.1<br>FPG=12.77,<br>JPG=15.85,<br>N=11.58            | Reference Frame: ICRS |                            |                           |                         |       |
|                           | (10)                                         | V603-REF5<br>Alt Name1:<br>N1NN036275 | RA: 18 48 41.0000 (282.1708333d)<br>Dec: +00 38 49.50 (.64708d)<br>Equinox: J2000 |                          | V=9.96+/-0.1<br>JPG=12.71                                       | Reference Frame: ICRS |                            |                           |                         |       |
|                           | Comments: GSC2 classifies this as "non-star" |                                       |                                                                                   |                          |                                                                 |                       |                            |                           |                         |       |
|                           | (11)                                         | V603-REF6<br>Alt Name1:<br>N1NN000205 | RA: 18 48 49.5000 (282.2062500d)<br>Dec: +00 38 26.80 (.64078d)<br>Equinox: J2000 |                          | V=12.45+/-0.1<br>FPG=11.8,<br>JPG=13.16,<br>N=11.72,<br>B=13.55 | Reference Frame: ICRS |                            |                           |                         |       |
|                           | (12)                                         | V603-REF7<br>Alt Name1:<br>N1NN010276 | RA: 18 48 55.8000 (282.2325000d)<br>Dec: +00 36 28.80 (.60800d)<br>Equinox: J2000 |                          | V=15.28+/-0.1<br>FPG=14.2,<br>JPG=17.0,<br>N=12.85              | Reference Frame: ICRS |                            |                           |                         |       |
|                           | (13)                                         | V603-REF8<br>Alt Name1:<br>N1NN010192 | RA: 18 48 53.0000 (282.2208333d)<br>Dec: +00 36 18.20 (.60506d)<br>Equinox: J2000 |                          | V=14.92+/-0.1<br>FPG=14.43,<br>JPG=15.8,<br>N=13.8              | Reference Frame: ICRS |                            |                           |                         |       |
| Exposures                 | #                                            | Label                                 | Target                                                                            | Config,Mode,Aperture     | Spectral Els.                                                   | Opt. Params.          | Special Reqs.              | Groups                    | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1                                            |                                       | (1) V603-AQL                                                                      | FGS, POS, 1              | F583W                                                           |                       | GS ACQ SCENARI<br>O SINGLE | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | [1]   |
|                           | 2                                            |                                       | (7) V603-REF2                                                                     | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | [1]   |
|                           | 3                                            |                                       | (8) V603-REF3                                                                     | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 15.0 Secs<br>[==>]      | [1]   |
|                           | 4                                            |                                       | (9) V603-REF4                                                                     | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | [1]   |
|                           | 5                                            |                                       | (1) V603-AQL                                                                      | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | [1]   |
|                           | 6                                            |                                       | (12) V603-REF7                                                                    | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | [1]   |
|                           | 7                                            |                                       | (11) V603-REF6                                                                    | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | [1]   |
|                           | 8                                            |                                       | (10) V603-REF5                                                                    | FGS, POS, 1              | F583W                                                           |                       | SAME POS AS 1              | Sequence 1-23 Non-I<br>nt | 6.0 Secs<br>[==>]       | [1]   |
|                           |                                              |                                       |                                                                                   |                          |                                                                 |                       |                            |                           |                         |       |

# Proposal 11295 - Visit 12 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target         | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|----------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 9  |       | (9) V603-REF4  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 10 |       | (1) V603-AQL   | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 11 |       | (7) V603-REF2  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 12 |       | (8) V603-REF3  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 13 |       | (1) V603-AQL   | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 14 |       | (12) V603-REF7 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 15 |       | (13) V603-REF8 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 16 |       | (11) V603-REF6 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 17 |       | (10) V603-REF5 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 18 |       | (9) V603-REF4  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 19 |       | (1) V603-AQL   | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 20 |       | (7) V603-REF2  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 21 |       | (8) V603-REF3  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 21.0 Secs<br>[==>]      | [1]   |
|                       | 22 |       | (13) V603-REF8 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |
|                       | 23 |       | (1) V603-AQL   | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-23 Non-Int | 6.0 Secs<br>[==>]       | [1]   |



# Proposal 11295 - Visit 13 - Trigonometric Calibration of the Distance Scale for Classical Novae

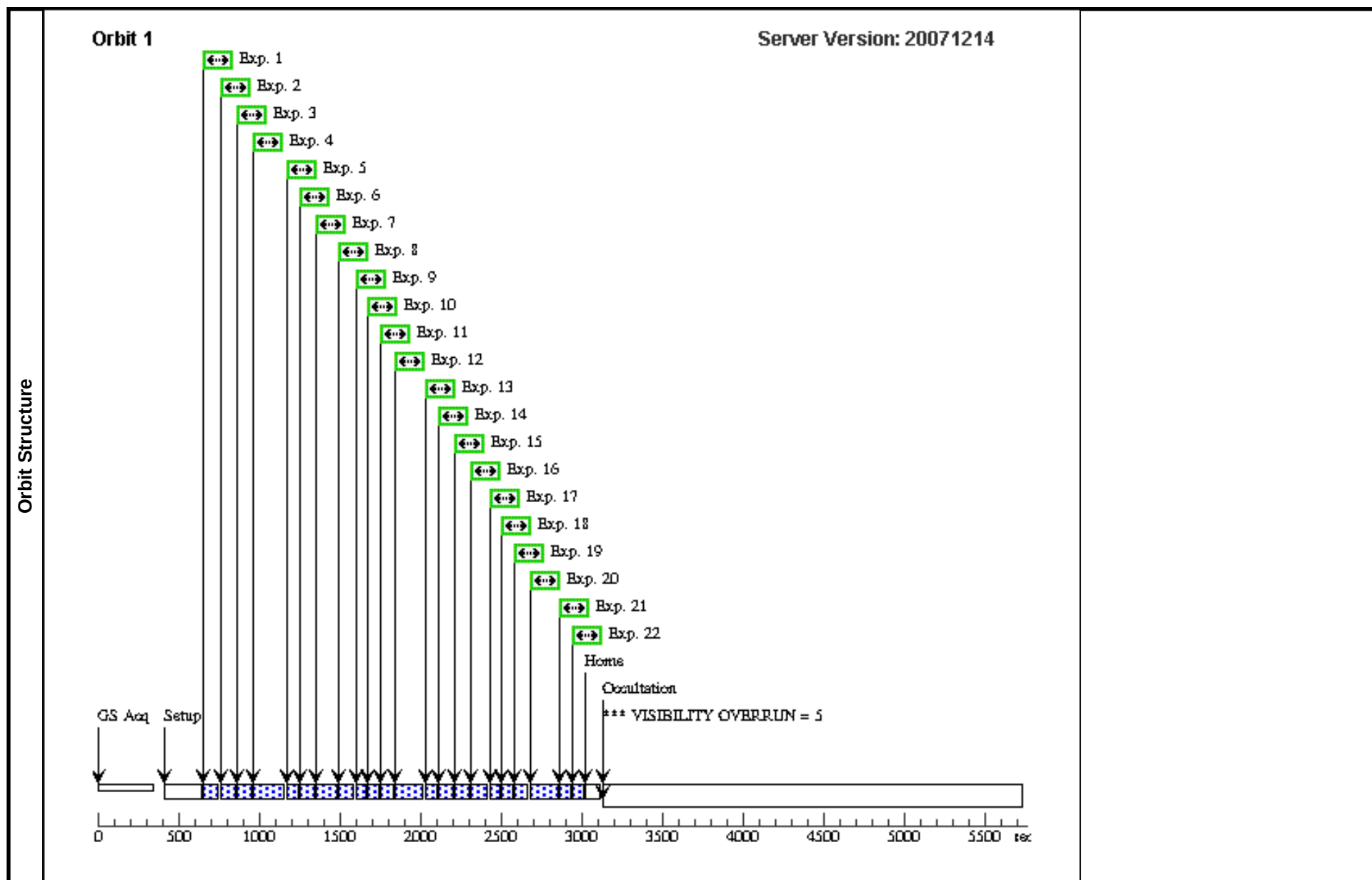
|                                                                                                    |                                                                                                                                 |                           |                                  |                    |                          |                              |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|--------------------|--------------------------|------------------------------|
| Visit                                                                                              | Proposal 11295, Visit 13, implementation                                                                                        |                           |                                  |                    |                          | Fri Jan 18 10:32:41 GMT 2008 |
|                                                                                                    | Diagnostic Status: Warning                                                                                                      |                           |                                  |                    |                          |                              |
|                                                                                                    | Scientific Instruments: FGS                                                                                                     |                           |                                  |                    |                          |                              |
|                                                                                                    | Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 280.0D TO 280.0 D; BETWEEN 25-FEB-2008:00:00:00 AND 05-MAR-2008:00:00:00 |                           |                                  |                    |                          |                              |
| Diagnostics                                                                                        | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): VISIBILITY OVERRUN                                                                                     |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | (Visit 13) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                    |                          |                              |
|                                                                                                    | Fixed Targets                                                                                                                   | #                         | Name                             | Target Coordinates | Targ. Coord. Corrections | Fluxes                       |
| (1)                                                                                                |                                                                                                                                 | V603-AQL                  | RA: 18 48 54.6366 (282.2276525d) |                    | V=11.64+/-0.1            | Reference Frame: ICRS        |
|                                                                                                    |                                                                                                                                 | Alt Name1: HD174107       | Dec: +00 35 2.86 (.58413d)       |                    | B = 11.65                |                              |
|                                                                                                    |                                                                                                                                 | Alt Name2: GSC99448-00423 | Equinox: J2000                   |                    |                          |                              |
| Comments: This object was generated by the target selector and retrieved from the SIMBAD database. |                                                                                                                                 |                           |                                  |                    |                          |                              |
|                                                                                                    | (6)                                                                                                                             | V603-REF1                 | RA: 18 49 19.3000 (282.3304167d) |                    | V=13.3+/-0.3             | Reference Frame: ICRS        |
|                                                                                                    |                                                                                                                                 | Alt Name1: N1NN000210     | Dec: +00 34 26.30 (.57397d)      |                    | FPG=12.6,                |                              |
|                                                                                                    |                                                                                                                                 |                           | Equinox: J2000                   |                    | JPG=14.5,                |                              |
|                                                                                                    |                                                                                                                                 |                           |                                  |                    | N=12.2                   |                              |

# Proposal 11295 - Visit 13 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Fixed Targets (continued) | #                                            | Name                                  | Target Coordinates                                                                | Targ. Coord. Corrections | Fluxes                                                     | Miscellaneous         |                          |                           |                         |         |
|---------------------------|----------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------|-----------------------|--------------------------|---------------------------|-------------------------|---------|
|                           | (7)                                          | V603-REF2<br>Alt Name1:<br>N1NN000232 | RA: 18 49 1.9000 (282.2579167d)<br>Dec: +00 33 46.40 (.56289d)<br>Equinox: J2000  |                          | V=13.6+/-0.1<br>FPG=12.9,<br>JPG=14.7,<br>N=12.4           | Reference Frame: ICRS |                          |                           |                         |         |
|                           | (8)                                          | V603-REF3<br>Alt Name1:<br>N1NN009734 | RA: 18 48 48.2000 (282.2008333d)<br>Dec: +00 34 59.80 (.58328d)<br>Equinox: J2000 |                          | V=15.76+/-0.1<br>FPG=14.95,<br>JPG=16.8,<br>N=13.96        | Reference Frame: ICRS |                          |                           |                         |         |
|                           | (9)                                          | V603-REF4<br>Alt Name1:<br>N1NN010051 | RA: 18 48 46.3000 (282.1929167d)<br>Dec: +00 35 50.55 (.59738d)<br>Equinox: J2000 |                          | V=14.08+/-0.1<br>FPG=12.77,<br>JPG=15.85,<br>N=11.58       | Reference Frame: ICRS |                          |                           |                         |         |
|                           | (10)                                         | V603-REF5<br>Alt Name1:<br>N1NN036275 | RA: 18 48 41.0000 (282.1708333d)<br>Dec: +00 38 49.50 (.64708d)<br>Equinox: J2000 |                          | V=9.96+/-0.1<br>JPG=12.71                                  | Reference Frame: ICRS |                          |                           |                         |         |
|                           | Comments: GSC2 classifies this as "non-star" |                                       |                                                                                   |                          |                                                            |                       |                          |                           |                         |         |
|                           | (12)                                         | V603-REF7<br>Alt Name1:<br>N1NN010276 | RA: 18 48 55.8000 (282.2325000d)<br>Dec: +00 36 28.80 (.60800d)<br>Equinox: J2000 |                          | V=15.28+/-0.1<br>FPG=14.2,<br>JPG=17.0,<br>N=12.85         | Reference Frame: ICRS |                          |                           |                         |         |
|                           | (13)                                         | V603-REF8<br>Alt Name1:<br>N1NN010192 | RA: 18 48 53.0000 (282.2208333d)<br>Dec: +00 36 18.20 (.60506d)<br>Equinox: J2000 |                          | V=14.92+/-0.1<br>FPG=14.43,<br>JPG=15.8,<br>N=13.8         | Reference Frame: ICRS |                          |                           |                         |         |
|                           | (14)                                         | V603-REF9<br>Alt Name1:<br>N1NN010326 | RA: 18 49 0.7900 (282.2532917d)<br>Dec: +00 36 37.60 (.61044d)<br>Equinox: J2000  |                          | V=14.7+/-0.3<br>FPG=14.05,<br>JPG=16.3,<br>N=12.8,<br>B=17 | Reference Frame: ICRS |                          |                           |                         |         |
| Exposures                 | #                                            | Label                                 | Target                                                                            | Config,Mode,Aperture     | Spectral Els.                                              | Opt. Params.          | Special Reqs.            | Groups                    | Exp. Time/[Actual Dur.] | Orbit   |
|                           | 1                                            |                                       | (1) V603-AQL                                                                      | FGS, POS, 1              | F583W                                                      |                       | POS TARG -100.0,3<br>0.0 | Sequence 1-22 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 2                                            |                                       | (6) V603-REF1                                                                     | FGS, POS, 1              | F583W                                                      |                       | SAME POS AS 1            | Sequence 1-22 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 3                                            |                                       | (7) V603-REF2                                                                     | FGS, POS, 1              | F583W                                                      |                       | SAME POS AS 1            | Sequence 1-22 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           | 4                                            |                                       | (8) V603-REF3                                                                     | FGS, POS, 1              | F583W                                                      |                       | SAME POS AS 1            | Sequence 1-22 Non-I<br>nt | 6.0 Secs<br>[==>]       | <br>[1] |
|                           |                                              |                                       |                                                                                   |                          |                                                            |                       |                          |                           |                         |         |
|                           |                                              |                                       |                                                                                   |                          |                                                            |                       |                          |                           |                         |         |

# Proposal 11295 - Visit 13 - Trigonometric Calibration of the Distance Scale for Classical Novae

|                       | #  | Label | Target         | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] |  | Orbit |
|-----------------------|----|-------|----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|--|-------|
|                       |    |       |                |                      |               |              |               |                       |                         |  |       |
| Exposures (continued) | 5  |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 6  |       | (14) V603-REF9 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 7  |       | (12) V603-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 8  |       | (13) V603-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 9  |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 10 |       | (10) V603-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 11 |       | (9) V603-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 12 |       | (8) V603-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 13 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 14 |       | (6) V603-REF1  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 15 |       | (7) V603-REF2  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 16 |       | (13) V603-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 17 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 18 |       | (10) V603-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 19 |       | (9) V603-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 20 |       | (8) V603-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 21 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 22 |       | (7) V603-REF2  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |



# Proposal 11295 - Visit 14 - Trigonometric Calibration of the Distance Scale for Classical Novae

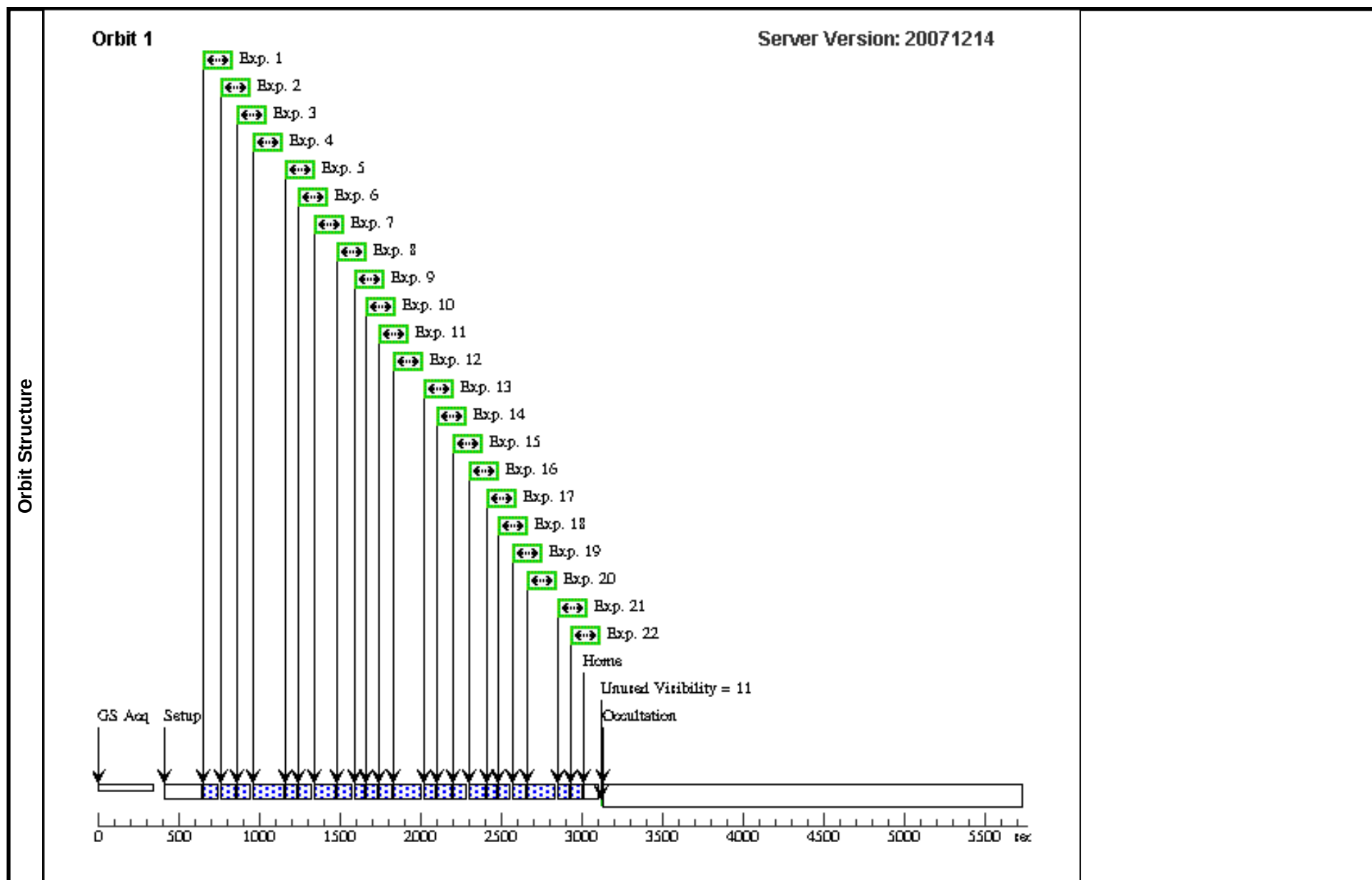
|                                                                                                    |                                                                                                                                 |                           |                                  |                                  |                                  |                              |                       |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|----------------------------------|----------------------------------|------------------------------|-----------------------|
| Visit                                                                                              | Proposal 11295, Visit 14, implementation                                                                                        |                           |                                  |                                  |                                  | Fri Jan 18 10:32:42 GMT 2008 |                       |
|                                                                                                    | Diagnostic Status: Warning                                                                                                      |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | Scientific Instruments: FGS                                                                                                     |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | Special Requirements: PCS MODE FINE; SCHED 70%; ORIENT 280.0D TO 280.0 D; BETWEEN 21-FEB-2008:00:00:00 AND 05-MAR-2008:00:00:00 |                           |                                  |                                  |                                  |                              |                       |
| Diagnostics                                                                                        | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | (Visit 14) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                                       |                           |                                  |                                  |                                  |                              |                       |
|                                                                                                    | Fixed Targets                                                                                                                   | #                         | Name                             | Target Coordinates               | Targ. Coord. Corrections         | Fluxes                       | Miscellaneous         |
|                                                                                                    |                                                                                                                                 | (1)                       | V603-AQL                         | RA: 18 48 54.6366 (282.2276525d) |                                  | V=11.64+/-0.1                | Reference Frame: ICRS |
|                                                                                                    |                                                                                                                                 | Alt Name1: HD174107       | Dec: +00 35 2.86 (.58413d)       |                                  | B = 11.65                        |                              |                       |
|                                                                                                    |                                                                                                                                 | Alt Name2: GSC99448-00423 | Equinox: J2000                   |                                  |                                  |                              |                       |
| Comments: This object was generated by the target selector and retrieved from the SIMBAD database. |                                                                                                                                 |                           |                                  |                                  |                                  |                              |                       |
| (6)                                                                                                |                                                                                                                                 | V603-REF1                 | RA: 18 49 19.3000 (282.3304167d) |                                  | V=13.3+/-0.3                     | Reference Frame: ICRS        |                       |
|                                                                                                    |                                                                                                                                 | Alt Name1: N1NN000210     | Dec: +00 34 26.30 (.57397d)      |                                  | FPG=12.6,<br>JPG=14.5,<br>N=12.2 |                              |                       |

# Proposal 11295 - Visit 14 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Fixed Targets (continued) | #                                            | Name                                                                             | Target Coordinates                                                                | Targ. Coord. Corrections                                   | Fluxes                                               | Miscellaneous         |                          |                           |                         |       |
|---------------------------|----------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------|-----------------------|--------------------------|---------------------------|-------------------------|-------|
|                           | (7)                                          | V603-REF2<br>Alt Name1:<br>N1NN000232                                            | RA: 18 49 1.9000 (282.2579167d)<br>Dec: +00 33 46.40 (.56289d)<br>Equinox: J2000  |                                                            | V=13.6+/-0.1<br>FPG=12.9,<br>JPG=14.7,<br>N=12.4     | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (8)                                          | V603-REF3<br>Alt Name1:<br>N1NN009734                                            | RA: 18 48 48.2000 (282.2008333d)<br>Dec: +00 34 59.80 (.58328d)<br>Equinox: J2000 |                                                            | V=15.76+/-0.1<br>FPG=14.95,<br>JPG=16.8,<br>N=13.96  | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (9)                                          | V603-REF4<br>Alt Name1:<br>N1NN010051                                            | RA: 18 48 46.3000 (282.1929167d)<br>Dec: +00 35 50.55 (.59738d)<br>Equinox: J2000 |                                                            | V=14.08+/-0.1<br>FPG=12.77,<br>JPG=15.85,<br>N=11.58 | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (10)                                         | V603-REF5<br>Alt Name1:<br>N1NN036275                                            | RA: 18 48 41.0000 (282.1708333d)<br>Dec: +00 38 49.50 (.64708d)<br>Equinox: J2000 |                                                            | V=9.96+/-0.1<br>JPG=12.71                            | Reference Frame: ICRS |                          |                           |                         |       |
|                           | Comments: GSC2 classifies this as "non-star" |                                                                                  |                                                                                   |                                                            |                                                      |                       |                          |                           |                         |       |
|                           | (12)                                         | V603-REF7<br>Alt Name1:<br>N1NN010276                                            | RA: 18 48 55.8000 (282.2325000d)<br>Dec: +00 36 28.80 (.60800d)<br>Equinox: J2000 |                                                            | V=15.28+/-0.1<br>FPG=14.2,<br>JPG=17.0,<br>N=12.85   | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (13)                                         | V603-REF8<br>Alt Name1:<br>N1NN010192                                            | RA: 18 48 53.0000 (282.2208333d)<br>Dec: +00 36 18.20 (.60506d)<br>Equinox: J2000 |                                                            | V=14.92+/-0.1<br>FPG=14.43,<br>JPG=15.8,<br>N=13.8   | Reference Frame: ICRS |                          |                           |                         |       |
| (14)                      | V603-REF9<br>Alt Name1:<br>N1NN010326        | RA: 18 49 0.7900 (282.2532917d)<br>Dec: +00 36 37.60 (.61044d)<br>Equinox: J2000 |                                                                                   | V=14.7+/-0.3<br>FPG=14.05,<br>JPG=16.3,<br>N=12.8,<br>B=17 | Reference Frame: ICRS                                |                       |                          |                           |                         |       |
| Exposures                 | #                                            | Label                                                                            | Target                                                                            | Config,Mode,Aperture                                       | Spectral Els.                                        | Opt. Params.          | Special Reqs.            | Groups                    | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1                                            |                                                                                  | (1) V603-AQL                                                                      | FGS, POS, 1                                                | F583W                                                |                       | POS TARG -100.0,3<br>0.0 | Sequence 1-22 Non-I<br>nt | 5.0 Secs<br>[==>]       | [1]   |
|                           | 2                                            |                                                                                  | (6) V603-REF1                                                                     | FGS, POS, 1                                                | F583W                                                |                       | SAME POS AS 1            | Sequence 1-22 Non-I<br>nt | 5.0 Secs<br>[==>]       | [1]   |
|                           | 3                                            |                                                                                  | (7) V603-REF2                                                                     | FGS, POS, 1                                                | F583W                                                |                       | SAME POS AS 1            | Sequence 1-22 Non-I<br>nt | 5.0 Secs<br>[==>]       | [1]   |
|                           | 4                                            |                                                                                  | (8) V603-REF3                                                                     | FGS, POS, 1                                                | F583W                                                |                       | SAME POS AS 1            | Sequence 1-22 Non-I<br>nt | 5.0 Secs<br>[==>]       | [1]   |
|                           |                                              |                                                                                  |                                                                                   |                                                            |                                                      |                       |                          |                           |                         |       |

# Proposal 11295 - Visit 14 - Trigonometric Calibration of the Distance Scale for Classical Novae

|                       | #  | Label | Target         | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] |  | Orbit |
|-----------------------|----|-------|----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|--|-------|
|                       |    |       |                |                      |               |              |               |                       |                         |  |       |
| Exposures (continued) | 5  |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 6  |       | (14) V603-REF9 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 7  |       | (12) V603-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 8  |       | (13) V603-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 9  |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 10 |       | (10) V603-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 11 |       | (9) V603-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 12 |       | (8) V603-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 13 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 14 |       | (6) V603-REF1  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 15 |       | (7) V603-REF2  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 16 |       | (13) V603-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 5.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 17 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 18 |       | (10) V603-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 19 |       | (9) V603-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 20 |       | (8) V603-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 21 |       | (1) V603-AQL   | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 22 |       | (7) V603-REF2  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-22 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                |                      |               |              |               |                       | [==>]                   |  | [1]   |



# Proposal 11295 - Visit 21 - Trigonometric Calibration of the Distance Scale for Classical Novae

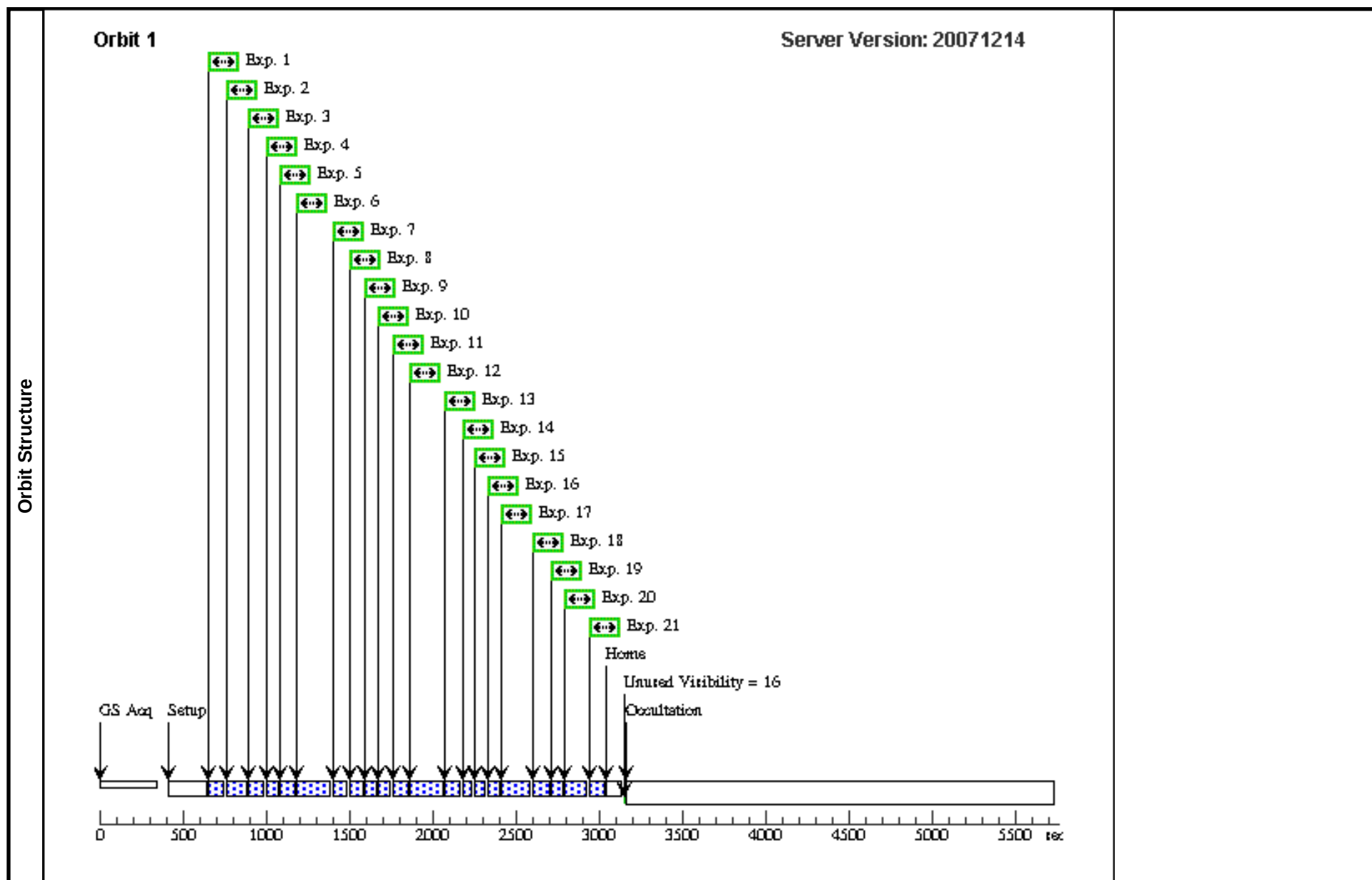
|               |                                                                                                                  |                                     |                                                                                    |                          |                                                                    |                              |
|---------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|------------------------------|
| Visit         | Proposal 11295, Visit 21, implementation                                                                         |                                     |                                                                                    |                          |                                                                    | Fri Jan 18 10:32:43 GMT 2008 |
|               | Diagnostic Status: No Diagnostics                                                                                |                                     |                                                                                    |                          |                                                                    |                              |
|               | Scientific Instruments: FGS                                                                                      |                                     |                                                                                    |                          |                                                                    |                              |
|               | Special Requirements: SCHED 70%; ORIENT 250.0D TO 250.0 D; BETWEEN 24-AUG-2007:00:00:00 AND 28-AUG-2007:00:00:00 |                                     |                                                                                    |                          |                                                                    |                              |
| Fixed Targets | #                                                                                                                | Name                                | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous                |
|               | (2)                                                                                                              | GK-PER<br>Alt Name1: HD21629        | RA: 03 31 12.0113 (52.8000471d)<br>Dec: +43 54 15.38 (43.90427d)<br>Equinox: J2000 |                          | V=12.88+/-0.1<br>B = 10.2                                          | Reference Frame: ICRS        |
|               | (15)                                                                                                             | GKPER-REF1<br>Alt Name1: NCIU008224 | RA: 03 31 14.1800 (52.8090833d)<br>Dec: +43 54 24.60 (43.90683d)<br>Equinox: J2000 |                          | V=15.27+/-0.2<br>Fpg=13.9,<br>Jpg=16.3,<br>Npg=13.37,<br>B=16.55   | Reference Frame: ICRS        |
|               | (16)                                                                                                             | GKPER-REF2<br>Alt Name1: NCIU001726 | RA: 03 31 24.0800 (52.8503333d)<br>Dec: +43 54 43.40 (43.91206d)<br>Equinox: J2000 |                          | V=14.49+/-0.2<br>Fpg=13.9,<br>Jpg=15.24,<br>Npg=13.5,<br>B=14.9    | Reference Frame: ICRS        |
|               | (17)                                                                                                             | GKPER-REF3<br>Alt Name1: NCIU001716 | RA: 03 31 25.3000 (52.8554167d)<br>Dec: +43 55 26.11 (43.92392d)<br>Equinox: J2000 |                          | V=13.2+/-0.2<br>Fpg=12.6,<br>Jpg=14.03,<br>Npg=12.17,<br>B=14.15   | Reference Frame: ICRS        |
|               | (18)                                                                                                             | GKPER-REF4<br>Alt Name1: NCIU008323 | RA: 03 31 22.3800 (52.8432500d)<br>Dec: +43 55 26.40 (43.92400d)<br>Equinox: J2000 |                          | V=14.85+/-0.2<br>Fpg=13.96,<br>Jpg=15.85,<br>Npg=13.4,<br>B=16.1   | Reference Frame: ICRS        |
|               | (19)                                                                                                             | GKPER-REF5<br>Alt Name1: NCIU008780 | RA: 03 31 22.2100 (52.8425417d)<br>Dec: +43 56 46.13 (43.94615d)<br>Equinox: J2000 |                          | V=15.84+/-0.2<br>Fpg=14.77,<br>Jpg=16.71,<br>Npg=14.14,<br>B=16.85 | Reference Frame: ICRS        |
|               | (20)                                                                                                             | GKPER-REF6<br>Alt Name1: NCIU001693 | RA: 03 31 33.1600 (52.8881667d)<br>Dec: +43 56 24.14 (43.94004d)<br>Equinox: J2000 |                          | V=13.98+/-0.2<br>Fpg=13.31,<br>Jpg=14.88,<br>Npg=12.92,<br>B=14.75 | Reference Frame: ICRS        |

# Proposal 11295 - Visit 21 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Fixed Targets (continued) | #    | Name                                | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous         |                   |                       |                         |       |
|---------------------------|------|-------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|-----------------------|-------------------|-----------------------|-------------------------|-------|
|                           | (21) | GKPER-REF7<br>Alt Name1: NCIU001704 | RA: 03 31 32.4800 (52.8853333d)<br>Dec: +43 55 52.13 (43.93115d)<br>Equinox: J2000 |                          | V=13.16+/-0.2<br>Fpg=12.57,<br>Jpg=13.92,<br>Npg=12.14,<br>B=14.06 | Reference Frame: ICRS |                   |                       |                         |       |
|                           | (22) | GKPER-REF8<br>Alt Name1: NCIU007655 | RA: 03 31 3.9900 (52.7666250d)<br>Dec: +43 53 19.70 (43.88881d)<br>Equinox: J2000  |                          | V=15.78+/-0.2<br>Fpg=14.87,<br>Jpg=16.89,<br>Npg=14.39,<br>B=17.35 | Reference Frame: ICRS |                   |                       |                         |       |
|                           | (23) | GKPER-REF9<br>Alt Name1: NCIU001703 | RA: 03 30 59.4600 (52.7477500d)<br>Dec: +43 55 49.00 (43.93028d)<br>Equinox: J2000 |                          | V=14.02+/-0.2<br>Fpg=13.01,<br>Jpg=15.32,<br>Npg=12.27,<br>B=15.32 | Reference Frame: ICRS |                   |                       |                         |       |
| Exposures                 | #    | Label                               | Target                                                                             | Config,Mode,Aperture     | Spectral Els.                                                      | Opt. Params.          | Special Reqs.     | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | POS TARG 0.0,45.0 | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 2    |                                     | (15) GKPER-REF1                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 3    |                                     | (16) GKPER-REF2                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 4    |                                     | (17) GKPER-REF3                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 5    |                                     | (18) GKPER-REF4                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 6    |                                     | (19) GKPER-REF5                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 30.0 Secs<br>[==>]      | [1]   |
|                           | 7    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 8    |                                     | (23) GKPER-REF9                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 9    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 10   |                                     | (17) GKPER-REF3                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 11   |                                     | (18) GKPER-REF4                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |

Proposal 11295 - Visit 21 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 12 |       | (19) GKPER-REF5 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 30.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 13 |       | (20) GKPER-REF6 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 14 |       | (21) GKPER-REF7 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 15 |       | (17) GKPER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 16 |       | (2) GK-PER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 17 |       | (22) GKPER-REF8 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 18 |       | (23) GKPER-REF9 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 19 |       | (2) GK-PER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 20 |       | (15) GKPER-REF1 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 30.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 21 |       | (17) GKPER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |



# Proposal 11295 - Visit 22 - Trigonometric Calibration of the Distance Scale for Classical Novae

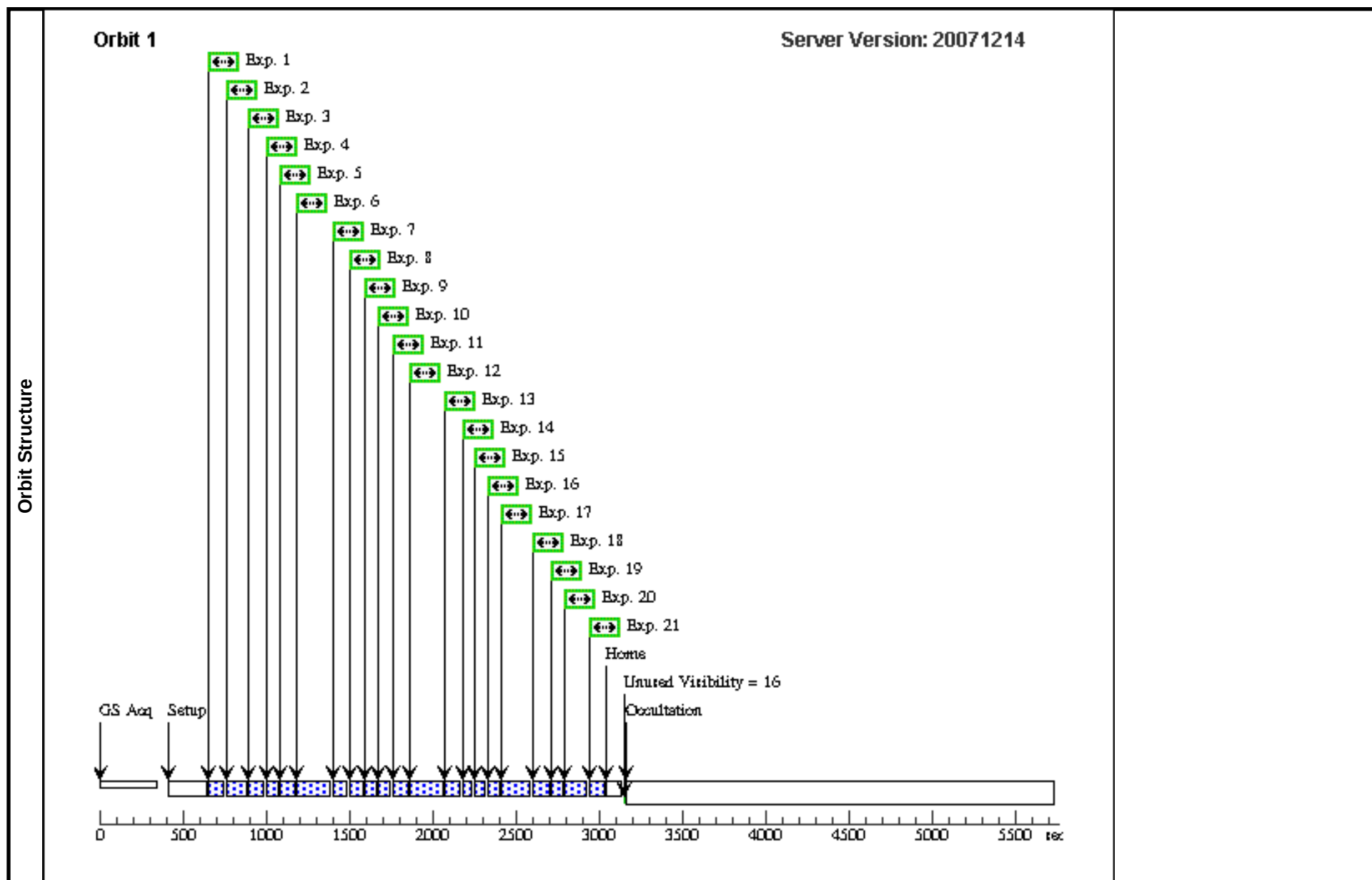
|               |                                                                                                                  |                                     |                                                                                    |                          |                                                                    |                              |
|---------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|------------------------------|
| Visit         | Proposal 11295, Visit 22, implementation                                                                         |                                     |                                                                                    |                          |                                                                    | Fri Jan 18 10:32:44 GMT 2008 |
|               | Diagnostic Status: No Diagnostics                                                                                |                                     |                                                                                    |                          |                                                                    |                              |
|               | Scientific Instruments: FGS                                                                                      |                                     |                                                                                    |                          |                                                                    |                              |
|               | Special Requirements: SCHED 70%; ORIENT 250.0D TO 250.0 D; BETWEEN 24-AUG-2007:00:00:00 AND 28-AUG-2007:00:00:00 |                                     |                                                                                    |                          |                                                                    |                              |
| Fixed Targets | #                                                                                                                | Name                                | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous                |
|               | (2)                                                                                                              | GK-PER<br>Alt Name1: HD21629        | RA: 03 31 12.0113 (52.8000471d)<br>Dec: +43 54 15.38 (43.90427d)<br>Equinox: J2000 |                          | V=12.88+/-0.1<br>B = 10.2                                          | Reference Frame: ICRS        |
|               | (15)                                                                                                             | GKPER-REF1<br>Alt Name1: NCIU008224 | RA: 03 31 14.1800 (52.8090833d)<br>Dec: +43 54 24.60 (43.90683d)<br>Equinox: J2000 |                          | V=15.27+/-0.2<br>Fpg=13.9,<br>Jpg=16.3,<br>Npg=13.37,<br>B=16.55   | Reference Frame: ICRS        |
|               | (16)                                                                                                             | GKPER-REF2<br>Alt Name1: NCIU001726 | RA: 03 31 24.0800 (52.8503333d)<br>Dec: +43 54 43.40 (43.91206d)<br>Equinox: J2000 |                          | V=14.49+/-0.2<br>Fpg=13.9,<br>Jpg=15.24,<br>Npg=13.5,<br>B=14.9    | Reference Frame: ICRS        |
|               | (17)                                                                                                             | GKPER-REF3<br>Alt Name1: NCIU001716 | RA: 03 31 25.3000 (52.8554167d)<br>Dec: +43 55 26.11 (43.92392d)<br>Equinox: J2000 |                          | V=13.2+/-0.2<br>Fpg=12.6,<br>Jpg=14.03,<br>Npg=12.17,<br>B=14.15   | Reference Frame: ICRS        |
|               | (18)                                                                                                             | GKPER-REF4<br>Alt Name1: NCIU008323 | RA: 03 31 22.3800 (52.8432500d)<br>Dec: +43 55 26.40 (43.92400d)<br>Equinox: J2000 |                          | V=14.85+/-0.2<br>Fpg=13.96,<br>Jpg=15.85,<br>Npg=13.4,<br>B=16.1   | Reference Frame: ICRS        |
|               | (19)                                                                                                             | GKPER-REF5<br>Alt Name1: NCIU008780 | RA: 03 31 22.2100 (52.8425417d)<br>Dec: +43 56 46.13 (43.94615d)<br>Equinox: J2000 |                          | V=15.84+/-0.2<br>Fpg=14.77,<br>Jpg=16.71,<br>Npg=14.14,<br>B=16.85 | Reference Frame: ICRS        |
|               | (20)                                                                                                             | GKPER-REF6<br>Alt Name1: NCIU001693 | RA: 03 31 33.1600 (52.8881667d)<br>Dec: +43 56 24.14 (43.94004d)<br>Equinox: J2000 |                          | V=13.98+/-0.2<br>Fpg=13.31,<br>Jpg=14.88,<br>Npg=12.92,<br>B=14.75 | Reference Frame: ICRS        |

# Proposal 11295 - Visit 22 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Fixed Targets (continued) | #    | Name                                | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous         |                   |                       |                         |       |
|---------------------------|------|-------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|-----------------------|-------------------|-----------------------|-------------------------|-------|
|                           | (21) | GKPER-REF7<br>Alt Name1: NCIU001704 | RA: 03 31 32.4800 (52.8853333d)<br>Dec: +43 55 52.13 (43.93115d)<br>Equinox: J2000 |                          | V=13.16+/-0.2<br>Fpg=12.57,<br>Jpg=13.92,<br>Npg=12.14,<br>B=14.06 | Reference Frame: ICRS |                   |                       |                         |       |
|                           | (22) | GKPER-REF8<br>Alt Name1: NCIU007655 | RA: 03 31 3.9900 (52.7666250d)<br>Dec: +43 53 19.70 (43.88881d)<br>Equinox: J2000  |                          | V=15.78+/-0.2<br>Fpg=14.87,<br>Jpg=16.89,<br>Npg=14.39,<br>B=17.35 | Reference Frame: ICRS |                   |                       |                         |       |
|                           | (23) | GKPER-REF9<br>Alt Name1: NCIU001703 | RA: 03 30 59.4600 (52.7477500d)<br>Dec: +43 55 49.00 (43.93028d)<br>Equinox: J2000 |                          | V=14.02+/-0.2<br>Fpg=13.01,<br>Jpg=15.32,<br>Npg=12.27,<br>B=15.32 | Reference Frame: ICRS |                   |                       |                         |       |
| Exposures                 | #    | Label                               | Target                                                                             | Config,Mode,Aperture     | Spectral Els.                                                      | Opt. Params.          | Special Reqs.     | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | POS TARG 0.0,45.0 | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 2    |                                     | (15) GKPER-REF1                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 3    |                                     | (16) GKPER-REF2                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 4    |                                     | (17) GKPER-REF3                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 5    |                                     | (18) GKPER-REF4                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 6    |                                     | (19) GKPER-REF5                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 30.0 Secs<br>[==>]      | [1]   |
|                           | 7    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 8    |                                     | (23) GKPER-REF9                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 9    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 10   |                                     | (17) GKPER-REF3                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 11   |                                     | (18) GKPER-REF4                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1     | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |

Proposal 11295 - Visit 22 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 12 |       | (19) GKPER-REF5 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 30.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 13 |       | (20) GKPER-REF6 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 14 |       | (21) GKPER-REF7 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 15 |       | (17) GKPER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 16 |       | (2) GK-PER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 17 |       | (22) GKPER-REF8 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 18 |       | (23) GKPER-REF9 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 19 |       | (2) GK-PER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 20 |       | (15) GKPER-REF1 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 30.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 21 |       | (17) GKPER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |



# Proposal 11295 - Visit 23 - Trigonometric Calibration of the Distance Scale for Classical Novae

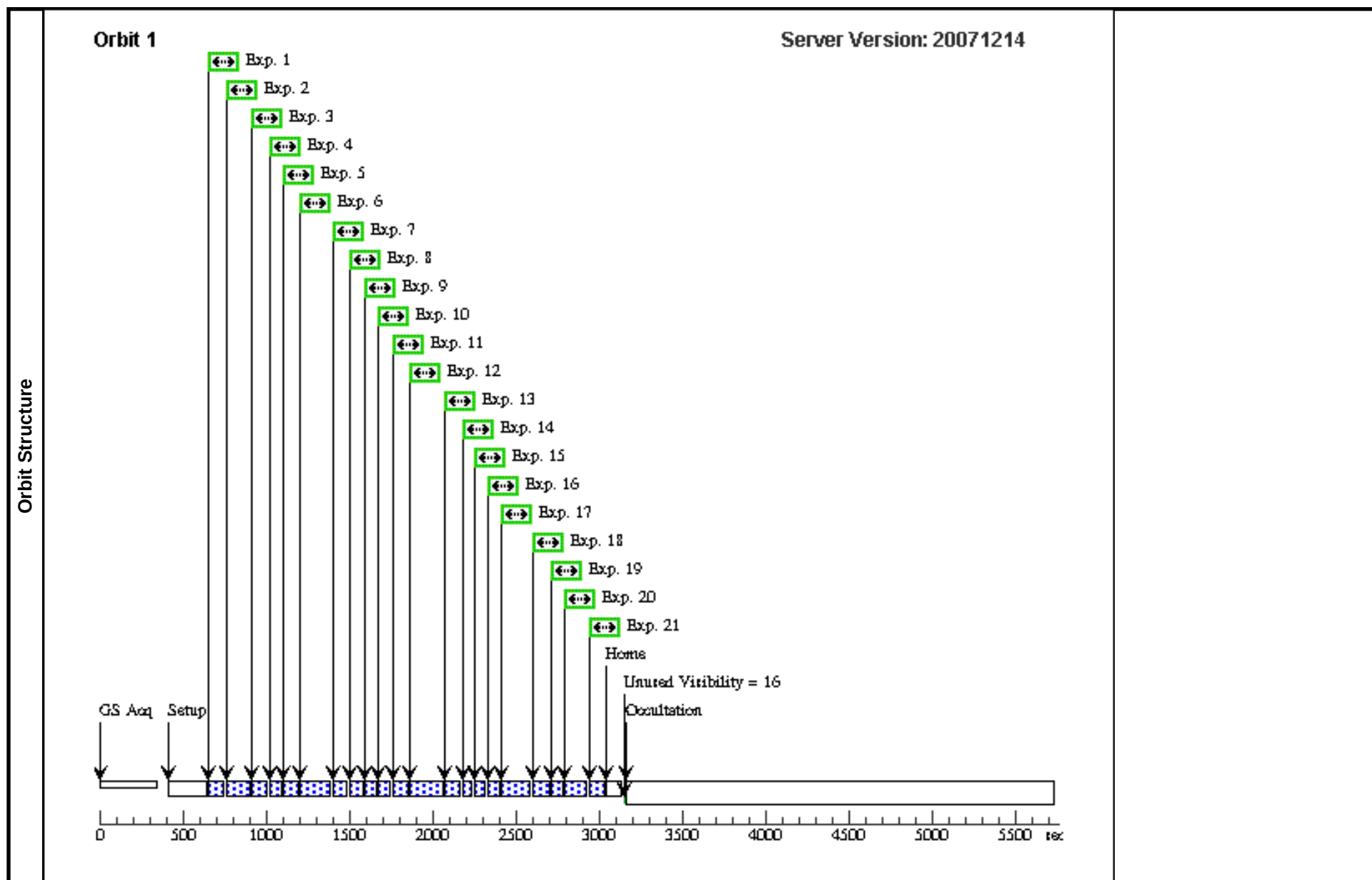
|               |                                                                                                                |                                     |                                                                                    |                          |                                                                    |                              |
|---------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|------------------------------|
| Visit         | Proposal 11295, Visit 23, implementation                                                                       |                                     |                                                                                    |                          |                                                                    | Fri Jan 18 10:32:45 GMT 2008 |
|               | Diagnostic Status: No Diagnostics                                                                              |                                     |                                                                                    |                          |                                                                    |                              |
|               | Scientific Instruments: FGS                                                                                    |                                     |                                                                                    |                          |                                                                    |                              |
|               | Special Requirements: SCHED 70%; ORIENT 64.0D TO 67.0 D; BETWEEN 18-MAR-2008:00:00:00 AND 22-MAR-2008:00:00:00 |                                     |                                                                                    |                          |                                                                    |                              |
| Fixed Targets | #                                                                                                              | Name                                | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous                |
|               | (2)                                                                                                            | GK-PER<br>Alt Name1: HD21629        | RA: 03 31 12.0113 (52.8000471d)<br>Dec: +43 54 15.38 (43.90427d)<br>Equinox: J2000 |                          | V=12.88+/-0.1<br>B = 10.2                                          | Reference Frame: ICRS        |
|               | (15)                                                                                                           | GKPER-REF1<br>Alt Name1: NCIU008224 | RA: 03 31 14.1800 (52.8090833d)<br>Dec: +43 54 24.60 (43.90683d)<br>Equinox: J2000 |                          | V=15.27+/-0.2<br>Fpg=13.9,<br>Jpg=16.3,<br>Npg=13.37,<br>B=16.55   | Reference Frame: ICRS        |
|               | (16)                                                                                                           | GKPER-REF2<br>Alt Name1: NCIU001726 | RA: 03 31 24.0800 (52.8503333d)<br>Dec: +43 54 43.40 (43.91206d)<br>Equinox: J2000 |                          | V=14.49+/-0.2<br>Fpg=13.9,<br>Jpg=15.24,<br>Npg=13.5,<br>B=14.9    | Reference Frame: ICRS        |
|               | (17)                                                                                                           | GKPER-REF3<br>Alt Name1: NCIU001716 | RA: 03 31 25.3000 (52.8554167d)<br>Dec: +43 55 26.11 (43.92392d)<br>Equinox: J2000 |                          | V=13.2+/-0.2<br>Fpg=12.6,<br>Jpg=14.03,<br>Npg=12.17,<br>B=14.15   | Reference Frame: ICRS        |
|               | (18)                                                                                                           | GKPER-REF4<br>Alt Name1: NCIU008323 | RA: 03 31 22.3800 (52.8432500d)<br>Dec: +43 55 26.40 (43.92400d)<br>Equinox: J2000 |                          | V=14.85+/-0.2<br>Fpg=13.96,<br>Jpg=15.85,<br>Npg=13.4,<br>B=16.1   | Reference Frame: ICRS        |
|               | (19)                                                                                                           | GKPER-REF5<br>Alt Name1: NCIU008780 | RA: 03 31 22.2100 (52.8425417d)<br>Dec: +43 56 46.13 (43.94615d)<br>Equinox: J2000 |                          | V=15.84+/-0.2<br>Fpg=14.77,<br>Jpg=16.71,<br>Npg=14.14,<br>B=16.85 | Reference Frame: ICRS        |
|               | (20)                                                                                                           | GKPER-REF6<br>Alt Name1: NCIU001693 | RA: 03 31 33.1600 (52.8881667d)<br>Dec: +43 56 24.14 (43.94004d)<br>Equinox: J2000 |                          | V=13.98+/-0.2<br>Fpg=13.31,<br>Jpg=14.88,<br>Npg=12.92,<br>B=14.75 | Reference Frame: ICRS        |

# Proposal 11295 - Visit 23 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Fixed Targets (continued) | #    | Name                                | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous         |                    |                       |                         |       |
|---------------------------|------|-------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|-----------------------|--------------------|-----------------------|-------------------------|-------|
|                           | (21) | GKPER-REF7<br>Alt Name1: NCIU001704 | RA: 03 31 32.4800 (52.8853333d)<br>Dec: +43 55 52.13 (43.93115d)<br>Equinox: J2000 |                          | V=13.16+/-0.2<br>Fpg=12.57,<br>Jpg=13.92,<br>Npg=12.14,<br>B=14.06 | Reference Frame: ICRS |                    |                       |                         |       |
|                           | (22) | GKPER-REF8<br>Alt Name1: NCIU007655 | RA: 03 31 3.9900 (52.7666250d)<br>Dec: +43 53 19.70 (43.88881d)<br>Equinox: J2000  |                          | V=15.78+/-0.2<br>Fpg=14.87,<br>Jpg=16.89,<br>Npg=14.39,<br>B=17.35 | Reference Frame: ICRS |                    |                       |                         |       |
|                           | (23) | GKPER-REF9<br>Alt Name1: NCIU001703 | RA: 03 30 59.4600 (52.7477500d)<br>Dec: +43 55 49.00 (43.93028d)<br>Equinox: J2000 |                          | V=14.02+/-0.2<br>Fpg=13.01,<br>Jpg=15.32,<br>Npg=12.27,<br>B=15.32 | Reference Frame: ICRS |                    |                       |                         |       |
| Exposures                 | #    | Label                               | Target                                                                             | Config,Mode,Aperture     | Spectral Els.                                                      | Opt. Params.          | Special Reqs.      | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | POS TARG 0.0,-60.0 | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 2    |                                     | (15) GKPER-REF1                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 30.0 Secs<br>[==>]      | [1]   |
|                           | 3    |                                     | (16) GKPER-REF2                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 4    |                                     | (17) GKPER-REF3                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 5    |                                     | (18) GKPER-REF4                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 6    |                                     | (19) GKPER-REF5                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 7    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 8    |                                     | (23) GKPER-REF9                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 9    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 10   |                                     | (17) GKPER-REF3                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 11   |                                     | (18) GKPER-REF4                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |

# Proposal 11295 - Visit 23 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 12 |       | (19) GKPER-REF5 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 30.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 13 |       | (20) GKPER-REF6 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 14 |       | (21) GKPER-REF7 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 15 |       | (17) GKPER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 16 |       | (2) GK-PER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 17 |       | (22) GKPER-REF8 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 18 |       | (23) GKPER-REF9 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 19 |       | (2) GK-PER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 20 |       | (15) GKPER-REF1 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 30.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 21 |       | (17) GKPER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |



# Proposal 11295 - Visit 24 - Trigonometric Calibration of the Distance Scale for Classical Novae

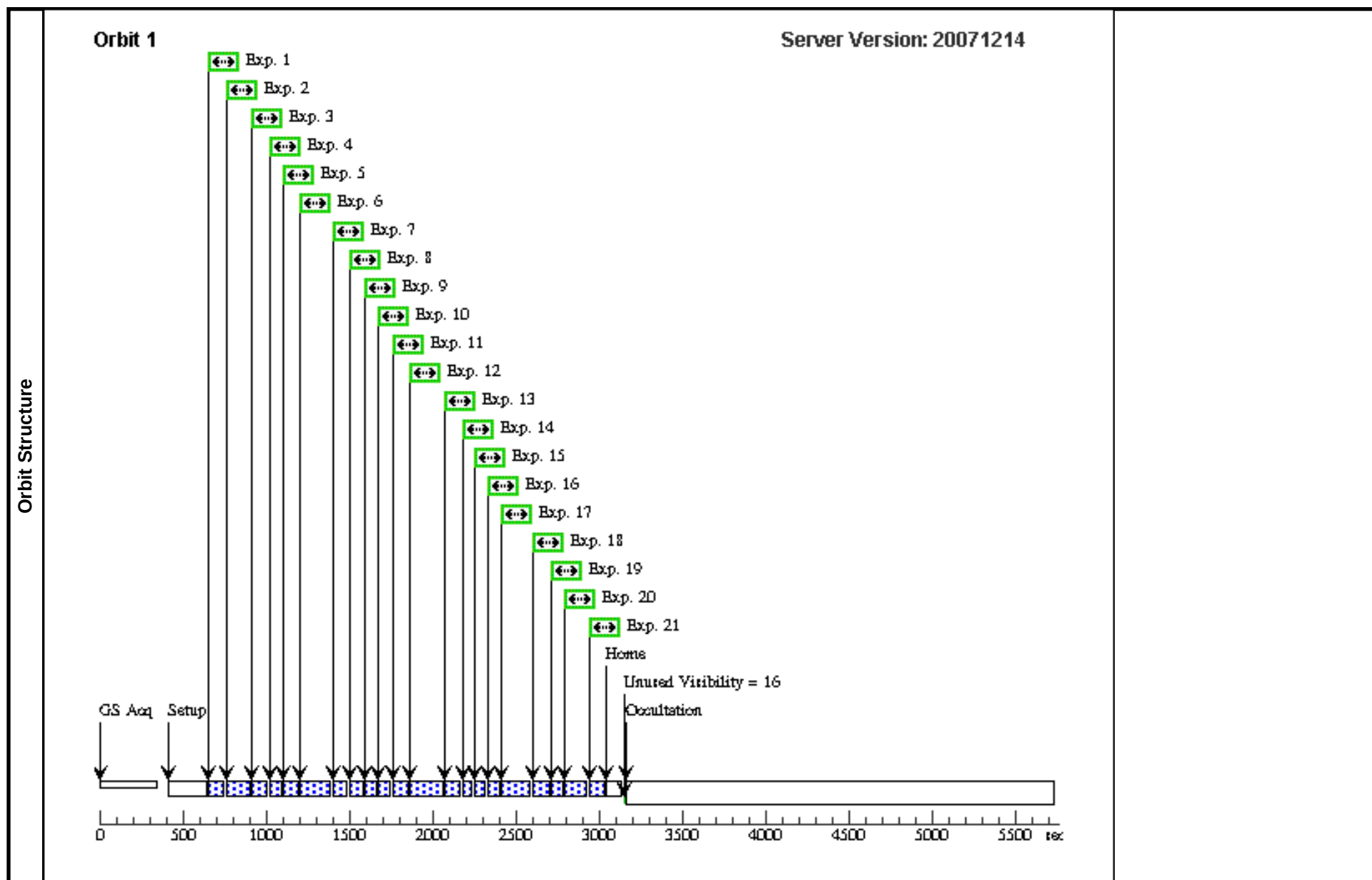
|               |                                                                                                                |                                     |                                                                                    |                          |                                                                    |                              |
|---------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|------------------------------|
| Visit         | Proposal 11295, Visit 24, implementation                                                                       |                                     |                                                                                    |                          |                                                                    | Fri Jan 18 10:32:46 GMT 2008 |
|               | Diagnostic Status: No Diagnostics                                                                              |                                     |                                                                                    |                          |                                                                    |                              |
|               | Scientific Instruments: FGS                                                                                    |                                     |                                                                                    |                          |                                                                    |                              |
|               | Special Requirements: SCHED 70%; ORIENT 64.0D TO 67.0 D; BETWEEN 18-MAR-2008:00:00:00 AND 22-MAR-2008:00:00:00 |                                     |                                                                                    |                          |                                                                    |                              |
| Fixed Targets | #                                                                                                              | Name                                | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous                |
|               | (2)                                                                                                            | GK-PER<br>Alt Name1: HD21629        | RA: 03 31 12.0113 (52.8000471d)<br>Dec: +43 54 15.38 (43.90427d)<br>Equinox: J2000 |                          | V=12.88+/-0.1<br>B = 10.2                                          | Reference Frame: ICRS        |
|               | (15)                                                                                                           | GKPER-REF1<br>Alt Name1: NCIU008224 | RA: 03 31 14.1800 (52.8090833d)<br>Dec: +43 54 24.60 (43.90683d)<br>Equinox: J2000 |                          | V=15.27+/-0.2<br>Fpg=13.9,<br>Jpg=16.3,<br>Npg=13.37,<br>B=16.55   | Reference Frame: ICRS        |
|               | (16)                                                                                                           | GKPER-REF2<br>Alt Name1: NCIU001726 | RA: 03 31 24.0800 (52.8503333d)<br>Dec: +43 54 43.40 (43.91206d)<br>Equinox: J2000 |                          | V=14.49+/-0.2<br>Fpg=13.9,<br>Jpg=15.24,<br>Npg=13.5,<br>B=14.9    | Reference Frame: ICRS        |
|               | (17)                                                                                                           | GKPER-REF3<br>Alt Name1: NCIU001716 | RA: 03 31 25.3000 (52.8554167d)<br>Dec: +43 55 26.11 (43.92392d)<br>Equinox: J2000 |                          | V=13.2+/-0.2<br>Fpg=12.6,<br>Jpg=14.03,<br>Npg=12.17,<br>B=14.15   | Reference Frame: ICRS        |
|               | (18)                                                                                                           | GKPER-REF4<br>Alt Name1: NCIU008323 | RA: 03 31 22.3800 (52.8432500d)<br>Dec: +43 55 26.40 (43.92400d)<br>Equinox: J2000 |                          | V=14.85+/-0.2<br>Fpg=13.96,<br>Jpg=15.85,<br>Npg=13.4,<br>B=16.1   | Reference Frame: ICRS        |
|               | (19)                                                                                                           | GKPER-REF5<br>Alt Name1: NCIU008780 | RA: 03 31 22.2100 (52.8425417d)<br>Dec: +43 56 46.13 (43.94615d)<br>Equinox: J2000 |                          | V=15.84+/-0.2<br>Fpg=14.77,<br>Jpg=16.71,<br>Npg=14.14,<br>B=16.85 | Reference Frame: ICRS        |
|               | (20)                                                                                                           | GKPER-REF6<br>Alt Name1: NCIU001693 | RA: 03 31 33.1600 (52.8881667d)<br>Dec: +43 56 24.14 (43.94004d)<br>Equinox: J2000 |                          | V=13.98+/-0.2<br>Fpg=13.31,<br>Jpg=14.88,<br>Npg=12.92,<br>B=14.75 | Reference Frame: ICRS        |

# Proposal 11295 - Visit 24 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Fixed Targets (continued) | #    | Name                                | Target Coordinates                                                                 | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous         |                    |                       |                         |       |
|---------------------------|------|-------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|-----------------------|--------------------|-----------------------|-------------------------|-------|
|                           | (21) | GKPER-REF7<br>Alt Name1: NCIU001704 | RA: 03 31 32.4800 (52.8853333d)<br>Dec: +43 55 52.13 (43.93115d)<br>Equinox: J2000 |                          | V=13.16+/-0.2<br>Fpg=12.57,<br>Jpg=13.92,<br>Npg=12.14,<br>B=14.06 | Reference Frame: ICRS |                    |                       |                         |       |
|                           | (22) | GKPER-REF8<br>Alt Name1: NCIU007655 | RA: 03 31 3.9900 (52.7666250d)<br>Dec: +43 53 19.70 (43.88881d)<br>Equinox: J2000  |                          | V=15.78+/-0.2<br>Fpg=14.87,<br>Jpg=16.89,<br>Npg=14.39,<br>B=17.35 | Reference Frame: ICRS |                    |                       |                         |       |
|                           | (23) | GKPER-REF9<br>Alt Name1: NCIU001703 | RA: 03 30 59.4600 (52.7477500d)<br>Dec: +43 55 49.00 (43.93028d)<br>Equinox: J2000 |                          | V=14.02+/-0.2<br>Fpg=13.01,<br>Jpg=15.32,<br>Npg=12.27,<br>B=15.32 | Reference Frame: ICRS |                    |                       |                         |       |
| Exposures                 | #    | Label                               | Target                                                                             | Config,Mode,Aperture     | Spectral Els.                                                      | Opt. Params.          | Special Reqs.      | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | POS TARG 0.0,-60.0 | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 2    |                                     | (15) GKPER-REF1                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 30.0 Secs<br>[==>]      | [1]   |
|                           | 3    |                                     | (16) GKPER-REF2                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 4    |                                     | (17) GKPER-REF3                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 5    |                                     | (18) GKPER-REF4                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 6    |                                     | (19) GKPER-REF5                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 7    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 8    |                                     | (23) GKPER-REF9                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 9    |                                     | (2) GK-PER                                                                         | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 10   |                                     | (17) GKPER-REF3                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |
|                           | 11   |                                     | (18) GKPER-REF4                                                                    | FGS, POS, 1              | F583W                                                              |                       | SAME POS AS 1      | Sequence 1-21 Non-Int | 10.0 Secs<br>[==>]      | [1]   |

Proposal 11295 - Visit 24 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 12 |       | (19) GKPER-REF5 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 30.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 13 |       | (20) GKPER-REF6 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 14 |       | (21) GKPER-REF7 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 15 |       | (17) GKPER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 16 |       | (2) GK-PER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 17 |       | (22) GKPER-REF8 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 18 |       | (23) GKPER-REF9 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 19 |       | (2) GK-PER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 20 |       | (15) GKPER-REF1 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 30.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 21 |       | (17) GKPER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-21 Non-Int | 10.0 Secs               |       |
|                       |    |       |                 |                        |               |              |               |                       | [==>]                   | [1]   |



# Proposal 11295 - Visit 31 - Trigonometric Calibration of the Distance Scale for Classical Novae

|             |                                                                                                                  |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|-------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------|-----------------------|
| Visit       | Proposal 11295, Visit 31, implementation                                                                         |                                     |                                                                                     |                                                                                     |                                                     | Fri Jan 18 10:32:46 GMT 2008                         |                       |
|             | Diagnostic Status: Warning                                                                                       |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | Scientific Instruments: FGS                                                                                      |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | Special Requirements: SCHED 70%; ORIENT 280.0D TO 280.0 D; BETWEEN 10-OCT-2007:00:00:00 AND 15-OCT-2007:00:00:00 |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
| Diagnostics | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | (Visit 31) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |
|             | Fixed Targets                                                                                                    | #                                   | Name                                                                                | Target Coordinates                                                                  | Targ. Coord. Corrections                            | Fluxes                                               | Miscellaneous         |
|             |                                                                                                                  | (3)                                 | RR-PIC                                                                              | RA: 06 35 36.0640 (98.9002667d)<br>Dec: -62 38 24.30 (-62.64008d)<br>Equinox: J2000 |                                                     | V=12+/-0.2<br>B = 12.5                               | Reference Frame: ICRS |
|             |                                                                                                                  | (25)                                | RRPIC-REF1<br>Alt Name1: S4FZ000367                                                 | RA: 06 36 27.6000 (99.1150000d)<br>Dec: -62 39 4.80 (-62.65133d)<br>Equinox: J2000  |                                                     | V=12.27+/-0.2<br>Fpg=11.54,<br>Jpg=12.5,<br>Npg=11.6 | Reference Frame: ICRS |
| (27)        |                                                                                                                  | RRPIC-REF3<br>Alt Name1: S4FZ000370 | RA: 06 36 7.2600 (99.0302500d)<br>Dec: -62 39 34.80 (-62.65967d)<br>Equinox: J2000  |                                                                                     | V=14.73+/-0.1<br>Fpg=14.0,<br>Jpg=15.6,<br>Npg=13.7 | Reference Frame: ICRS                                |                       |
| (28)        |                                                                                                                  | RRPIC-REF4<br>Alt Name1: S4FZ000361 | RA: 06 35 51.3100 (98.9637917d)<br>Dec: -62 37 46.20 (-62.62950d)<br>Equinox: J2000 |                                                                                     | V=13.98+/-0.1<br>Fpg=13.6,<br>Jpg=14.3,<br>Npg=13.3 | Reference Frame: ICRS                                |                       |
|             |                                                                                                                  |                                     |                                                                                     |                                                                                     |                                                     |                                                      |                       |

# Proposal 11295 - Visit 31 - Trigonometric Calibration of the Distance Scale for Classical Novae

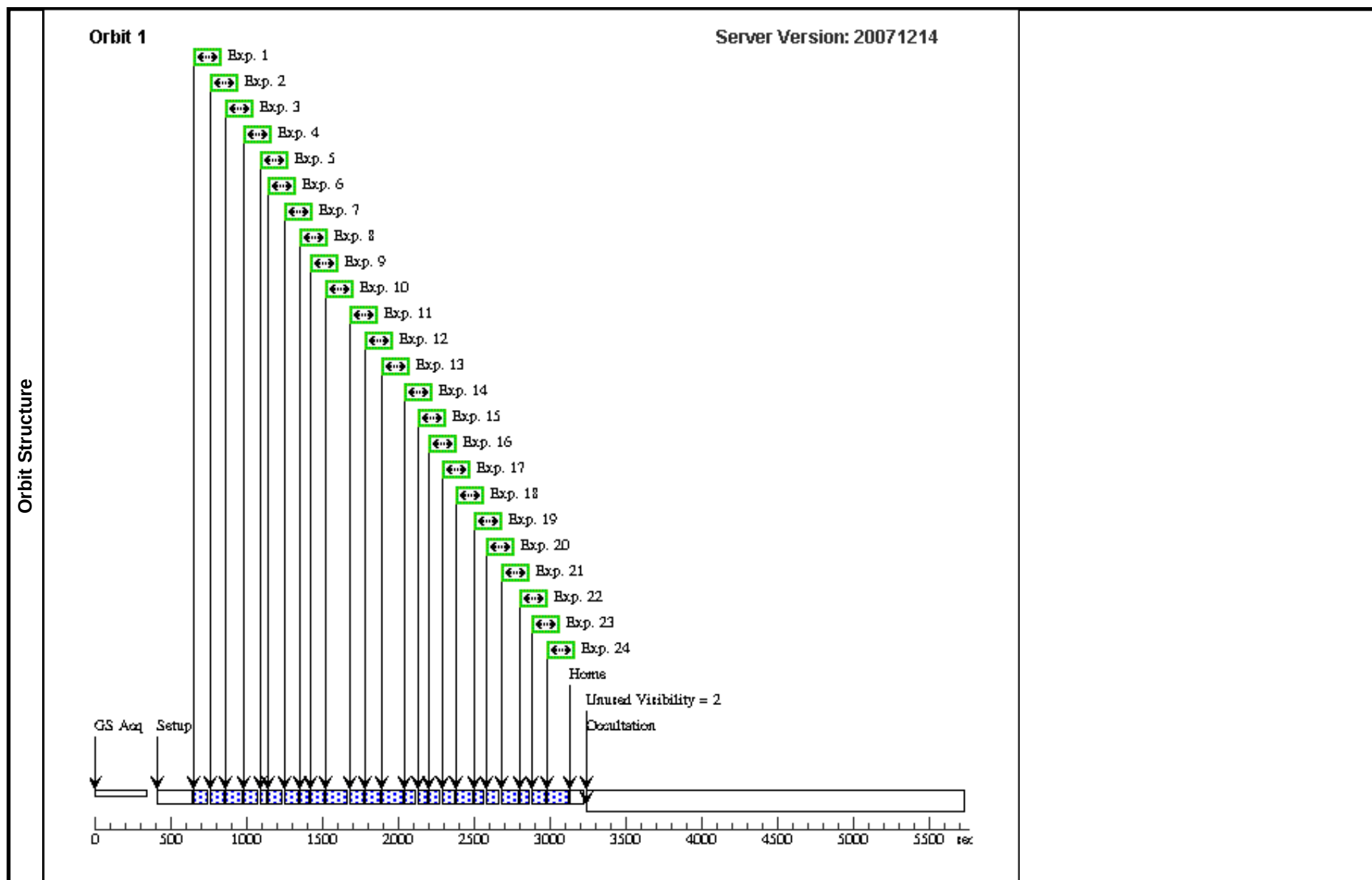
| Fixed Targets (continued) | #                                                               | Name                                                                                | Target Coordinates                                                                  | Targ. Coord. Corrections |                                     | Fluxes                                              | Miscellaneous                                          |                       |                         |       |
|---------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------|-----------------------------------------------------|--------------------------------------------------------|-----------------------|-------------------------|-------|
|                           | (29)                                                            | RRPIC-REF5<br>Alt Name1: S4FZ006820                                                 | RA: 06 35 28.8400 (98.8701667d)<br>Dec: -62 38 34.30 (-62.64286d)<br>Equinox: J2000 |                          |                                     | V=15.14+/-0.1<br>Fpg=14.6,<br>Jpg=16.3,<br>Npg=14.2 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (30)                                                            | RRPIC-REF6<br>Alt Name1: S4FZ006768                                                 | RA: 06 35 40.3400 (98.9180833d)<br>Dec: -62 38 41.40 (-62.64483d)<br>Equinox: J2000 |                          |                                     | V=15.14+/-0.1<br>Fpg=14.4,<br>Jpg=16.2,<br>Npg=14.1 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (31)                                                            | RRPIC-REF7<br>Alt Name1: S4FZ007048                                                 | RA: 06 35 10.8300 (98.7951250d)<br>Dec: -62 37 49.10 (-62.63031d)<br>Equinox: J2000 |                          |                                     | V=15.24+/-0.1<br>Fpg=14.5,<br>Jpg=16.4,<br>Npg=14.3 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (32)                                                            | RRPIC-REF8<br>Alt Name1: S4FZ000357                                                 | RA: 06 34 57.1000 (98.7379167d)<br>Dec: -62 37 11.70 (-62.61992d)<br>Equinox: J2000 |                          |                                     | V=13.98+/-0.1<br>Fpg=13.2,<br>Jpg=15.2,<br>Npg=12.7 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (33)                                                            | RRPIC-REF9<br>Alt Name1: S4FZ000362                                                 | RA: 06 34 50.1100 (98.7087917d)<br>Dec: -62 37 40.38 (-62.62788d)<br>Equinox: J2000 |                          |                                     | V=15.06+/-0.1<br>Fpg=14.6,<br>Jpg=16.0,<br>Npg=14.3 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (34)                                                            | RRPIC-REF10<br>Alt Name1: S4FZ006954                                                | RA: 06 35 1.1500 (98.7547917d)<br>Dec: -62 38 14.50 (-62.63736d)<br>Equinox: J2000  |                          |                                     | V=15.3+/-0.1<br>Fpg=14.6,<br>Jpg=16.6,<br>Npg=14.2  | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (35)                                                            | RRPIC-REF11<br>Alt Name1: S4FZ000375                                                | RA: 06 35 7.9300 (98.7830417d)<br>Dec: -62 39 53.16 (-62.66477d)<br>Equinox: J2000  |                          |                                     | V=13.07+/-0.1<br>Fpg=12.3,<br>Jpg=14.0,<br>Npg=12.0 | Reference Frame: ICRS                                  |                       |                         |       |
| (36)                      | RRPIC-REF12<br>Alt Name1: S4FZ000364<br>Alt Name2: GSC889901409 | RA: 06 36 25.9800 (99.1082500d)<br>Dec: -62 38 12.50 (-62.63681d)<br>Equinox: J2000 |                                                                                     |                          | V=10.56+/-0.1<br>V=10.45,<br>B=11.5 | Reference Frame: ICRS                               |                                                        |                       |                         |       |
| Exposures                 | #                                                               | Label                                                                               | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                       | Opt. Params.                                        | Special Reqs.                                          | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1                                                               |                                                                                     | (3) RR-PIC                                                                          | FGS, POS, 1              | F583W                               |                                                     | POS TARG 29.3988<br>13057712236,-45.12<br>818002714318 | Sequence 1-24 Non-Int | 6.0 Secs<br>[>=>]       | [1]   |
|                           | 2                                                               |                                                                                     | (29) RRPIC-REF5                                                                     | FGS, POS, 1              | F583W                               |                                                     | SAME POS AS 1                                          | Sequence 1-24 Non-Int | 6.0 Secs<br>[>=>]       | [1]   |

# Proposal 11295 - Visit 31 - Trigonometric Calibration of the Distance Scale for Classical Novae

|                       | #  | Label | Target           | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] |  | Orbit |
|-----------------------|----|-------|------------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|--|-------|
|                       |    |       |                  |                      |               |              |               |                       |                         |  |       |
| Exposures (continued) | 3  |       | (30) RRPIC-REF6  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 4  |       | (36) RRPIC-REF12 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 5  |       | (25) RRPIC-REF1  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 6  |       | (27) RRPIC-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 7  |       | (28) RRPIC-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 8  |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 9  |       | (29) RRPIC-REF5  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 10 |       | (31) RRPIC-REF7  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 11 |       | (32) RRPIC-REF8  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 12 |       | (33) RRPIC-REF9  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 13 |       | (34) RRPIC-REF10 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 14 |       | (35) RRPIC-REF11 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 15 |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 16 |       | (36) RRPIC-REF12 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 17 |       | (28) RRPIC-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 18 |       | (29) RRPIC-REF5  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 19 |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 20 |       | (30) RRPIC-REF6  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 21 |       | (32) RRPIC-REF8  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |

# Proposal 11295 - Visit 31 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target           | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|------------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 22 |       | (35) RRPIC-REF11 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 23 |       | (36) RRPIC-REF12 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 24 |       | (33) RRPIC-REF9  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |



# Proposal 11295 - Visit 32 - Trigonometric Calibration of the Distance Scale for Classical Novae

|             |                                                                                                                  |                                     |                                                                                     |                    |                                                      |                              |
|-------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|--------------------|------------------------------------------------------|------------------------------|
| Visit       | Proposal 11295, Visit 32, implementation                                                                         |                                     |                                                                                     |                    |                                                      | Fri Jan 18 10:32:47 GMT 2008 |
|             | Diagnostic Status: Warning                                                                                       |                                     |                                                                                     |                    |                                                      |                              |
|             | Scientific Instruments: FGS                                                                                      |                                     |                                                                                     |                    |                                                      |                              |
|             | Special Requirements: SCHED 70%; ORIENT 280.0D TO 280.0 D; BETWEEN 01-OCT-2007:00:00:00 AND 15-OCT-2008:00:00:00 |                                     |                                                                                     |                    |                                                      |                              |
| Diagnostics | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 32) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | Fixed Targets                                                                                                    | #                                   | Name                                                                                | Target Coordinates | Targ. Coord. Corrections                             | Fluxes                       |
| (3)         |                                                                                                                  | RR-PIC                              | RA: 06 35 36.0640 (98.9002667d)<br>Dec: -62 38 24.30 (-62.64008d)<br>Equinox: J2000 |                    | V=12+/-0.2<br>B = 12.5                               | Reference Frame: ICRS        |
| (25)        |                                                                                                                  | RRPIC-REF1<br>Alt Name1: S4FZ000367 | RA: 06 36 27.6000 (99.1150000d)<br>Dec: -62 39 4.80 (-62.65133d)<br>Equinox: J2000  |                    | V=12.27+/-0.2<br>Fpg=11.54,<br>Jpg=12.5,<br>Npg=11.6 | Reference Frame: ICRS        |
| (27)        |                                                                                                                  | RRPIC-REF3<br>Alt Name1: S4FZ000370 | RA: 06 36 7.2600 (99.0302500d)<br>Dec: -62 39 34.80 (-62.65967d)<br>Equinox: J2000  |                    | V=14.73+/-0.1<br>Fpg=14.0,<br>Jpg=15.6,<br>Npg=13.7  | Reference Frame: ICRS        |
| (28)        |                                                                                                                  | RRPIC-REF4<br>Alt Name1: S4FZ000361 | RA: 06 35 51.3100 (98.9637917d)<br>Dec: -62 37 46.20 (-62.62950d)<br>Equinox: J2000 |                    | V=13.98+/-0.1<br>Fpg=13.6,<br>Jpg=14.3,<br>Npg=13.3  | Reference Frame: ICRS        |
|             |                                                                                                                  |                                     |                                                                                     |                    |                                                      |                              |

# Proposal 11295 - Visit 32 - Trigonometric Calibration of the Distance Scale for Classical Novae

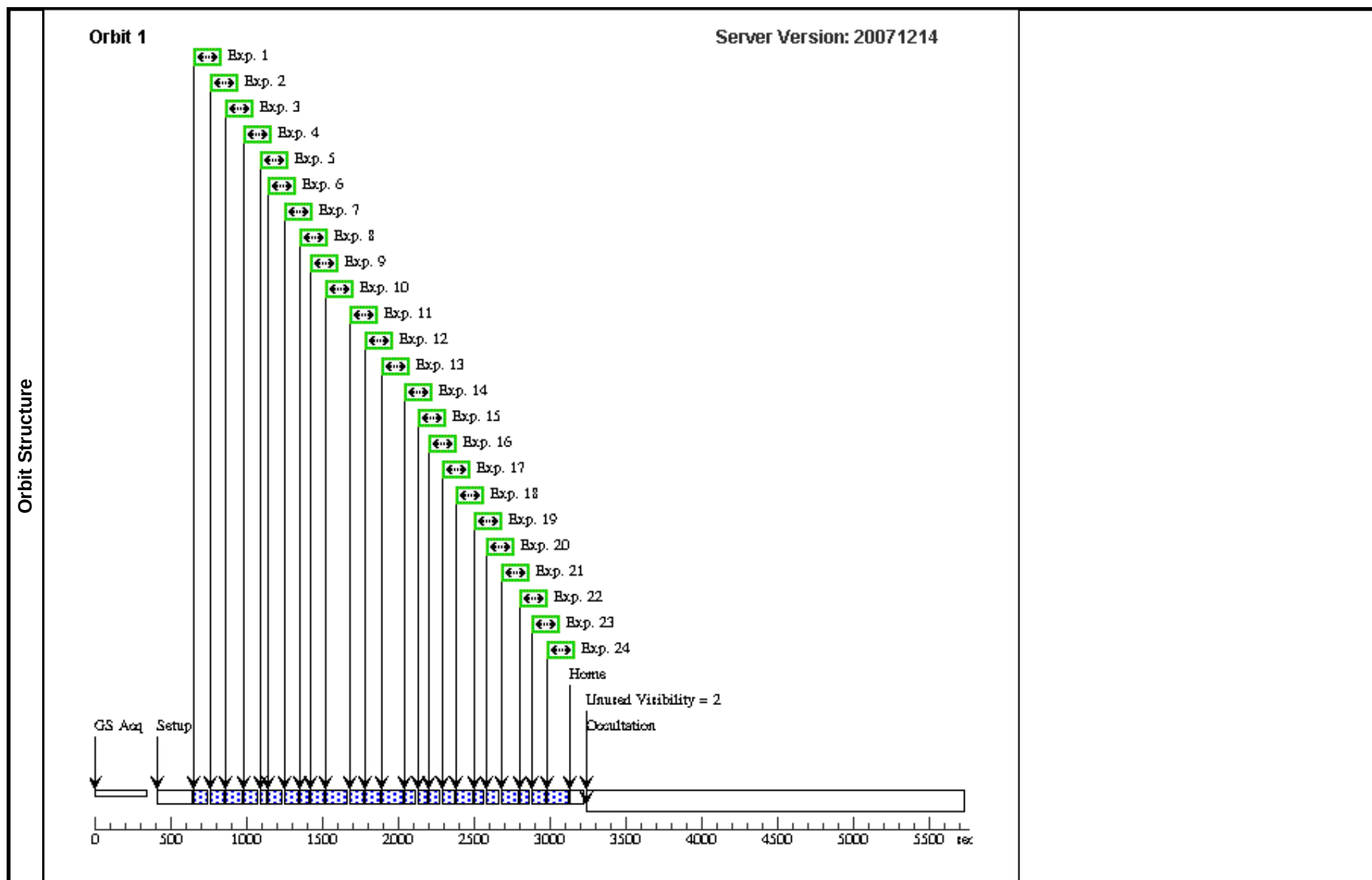
| Fixed Targets (continued) | #    | Name                                                            | Target Coordinates                                                                  | Targ. Coord. Corrections |               | Fluxes                                              | Miscellaneous                                          |                       |                         |       |
|---------------------------|------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|---------------|-----------------------------------------------------|--------------------------------------------------------|-----------------------|-------------------------|-------|
|                           | (29) | RRPIC-REF5<br>Alt Name1: S4FZ006820                             | RA: 06 35 28.8400 (98.8701667d)<br>Dec: -62 38 34.30 (-62.64286d)<br>Equinox: J2000 |                          |               | V=15.14+/-0.1<br>Fpg=14.6,<br>Jpg=16.3,<br>Npg=14.2 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (30) | RRPIC-REF6<br>Alt Name1: S4FZ006768                             | RA: 06 35 40.3400 (98.9180833d)<br>Dec: -62 38 41.40 (-62.64483d)<br>Equinox: J2000 |                          |               | V=15.14+/-0.1<br>Fpg=14.4,<br>Jpg=16.2,<br>Npg=14.1 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (31) | RRPIC-REF7<br>Alt Name1: S4FZ007048                             | RA: 06 35 10.8300 (98.7951250d)<br>Dec: -62 37 49.10 (-62.63031d)<br>Equinox: J2000 |                          |               | V=15.24+/-0.1<br>Fpg=14.5,<br>Jpg=16.4,<br>Npg=14.3 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (32) | RRPIC-REF8<br>Alt Name1: S4FZ000357                             | RA: 06 34 57.1000 (98.7379167d)<br>Dec: -62 37 11.70 (-62.61992d)<br>Equinox: J2000 |                          |               | V=13.98+/-0.1<br>Fpg=13.2,<br>Jpg=15.2,<br>Npg=12.7 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (33) | RRPIC-REF9<br>Alt Name1: S4FZ000362                             | RA: 06 34 50.1100 (98.7087917d)<br>Dec: -62 37 40.38 (-62.62788d)<br>Equinox: J2000 |                          |               | V=15.06+/-0.1<br>Fpg=14.6,<br>Jpg=16.0,<br>Npg=14.3 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (34) | RRPIC-REF10<br>Alt Name1: S4FZ006954                            | RA: 06 35 1.1500 (98.7547917d)<br>Dec: -62 38 14.50 (-62.63736d)<br>Equinox: J2000  |                          |               | V=15.3+/-0.1<br>Fpg=14.6,<br>Jpg=16.6,<br>Npg=14.2  | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (35) | RRPIC-REF11<br>Alt Name1: S4FZ000375                            | RA: 06 35 7.9300 (98.7830417d)<br>Dec: -62 39 53.16 (-62.66477d)<br>Equinox: J2000  |                          |               | V=13.07+/-0.1<br>Fpg=12.3,<br>Jpg=14.0,<br>Npg=12.0 | Reference Frame: ICRS                                  |                       |                         |       |
|                           | (36) | RRPIC-REF12<br>Alt Name1: S4FZ000364<br>Alt Name2: GSC889901409 | RA: 06 36 25.9800 (99.1082500d)<br>Dec: -62 38 12.50 (-62.63681d)<br>Equinox: J2000 |                          |               | V=10.56+/-0.1<br>V=10.45,<br>B=11.5                 | Reference Frame: ICRS                                  |                       |                         |       |
| Exposures                 | #    | Label                                                           | Target                                                                              | Config,Mode,Aperture     | Spectral Els. | Opt. Params.                                        | Special Reqs.                                          | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1    |                                                                 | (3) RR-PIC                                                                          | FGS, POS, 1              | F583W         |                                                     | POS TARG 29.3988<br>13057712236,-45.12<br>818002714318 | Sequence 1-24 Non-Int | 6.0 Secs<br>[>=>]       | [1]   |
|                           | 2    |                                                                 | (29) RRPIC-REF5                                                                     | FGS, POS, 1              | F583W         |                                                     | SAME POS AS 1                                          | Sequence 1-24 Non-Int | 6.0 Secs<br>[>=>]       | [1]   |

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|                       | #  | Label | Target           | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] |  | Orbit |
|-----------------------|----|-------|------------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|--|-------|
|                       |    |       |                  |                      |               |              |               |                       |                         |  |       |
| Exposures (continued) | 3  |       | (30) RRPIC-REF6  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 4  |       | (36) RRPIC-REF12 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 5  |       | (25) RRPIC-REF1  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 6  |       | (27) RRPIC-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 7  |       | (28) RRPIC-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 8  |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 9  |       | (29) RRPIC-REF5  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 10 |       | (31) RRPIC-REF7  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 11 |       | (32) RRPIC-REF8  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 12 |       | (33) RRPIC-REF9  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 13 |       | (34) RRPIC-REF10 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 14 |       | (35) RRPIC-REF11 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 15 |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 16 |       | (36) RRPIC-REF12 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 17 |       | (28) RRPIC-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 18 |       | (29) RRPIC-REF5  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 19 |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 20 |       | (30) RRPIC-REF6  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 21 |       | (32) RRPIC-REF8  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |

Proposal 11295 - Visit 32 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target           | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|------------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 22 |       | (35) RRPIC-REF11 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 23 |       | (36) RRPIC-REF12 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 24 |       | (33) RRPIC-REF9  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |



# Proposal 11295 - Visit 33 - Trigonometric Calibration of the Distance Scale for Classical Novae

|             |                                                                                                                  |                                     |                                                                                     |                    |                                                      |                              |
|-------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|--------------------|------------------------------------------------------|------------------------------|
| Visit       | Proposal 11295, Visit 33, implementation                                                                         |                                     |                                                                                     |                    |                                                      | Fri Jan 18 10:32:49 GMT 2008 |
|             | Diagnostic Status: Warning                                                                                       |                                     |                                                                                     |                    |                                                      |                              |
|             | Scientific Instruments: FGS                                                                                      |                                     |                                                                                     |                    |                                                      |                              |
|             | Special Requirements: SCHED 70%; ORIENT 100.0D TO 100.0 D; BETWEEN 04-APR-2008:00:00:00 AND 19-APR-2008:00:00:00 |                                     |                                                                                     |                    |                                                      |                              |
| Diagnostics | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 33) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | Fixed Targets                                                                                                    | #                                   | Name                                                                                | Target Coordinates | Targ. Coord. Corrections                             | Fluxes                       |
| (3)         |                                                                                                                  | RR-PIC                              | RA: 06 35 36.0640 (98.9002667d)<br>Dec: -62 38 24.30 (-62.64008d)<br>Equinox: J2000 |                    | V=12+/-0.2<br>B = 12.5                               | Reference Frame: ICRS        |
| (25)        |                                                                                                                  | RRPIC-REF1<br>Alt Name1: S4FZ000367 | RA: 06 36 27.6000 (99.1150000d)<br>Dec: -62 39 4.80 (-62.65133d)<br>Equinox: J2000  |                    | V=12.27+/-0.2<br>Fpg=11.54,<br>Jpg=12.5,<br>Npg=11.6 | Reference Frame: ICRS        |
| (27)        |                                                                                                                  | RRPIC-REF3<br>Alt Name1: S4FZ000370 | RA: 06 36 7.2600 (99.0302500d)<br>Dec: -62 39 34.80 (-62.65967d)<br>Equinox: J2000  |                    | V=14.73+/-0.1<br>Fpg=14.0,<br>Jpg=15.6,<br>Npg=13.7  | Reference Frame: ICRS        |
| (28)        |                                                                                                                  | RRPIC-REF4<br>Alt Name1: S4FZ000361 | RA: 06 35 51.3100 (98.9637917d)<br>Dec: -62 37 46.20 (-62.62950d)<br>Equinox: J2000 |                    | V=13.98+/-0.1<br>Fpg=13.6,<br>Jpg=14.3,<br>Npg=13.3  | Reference Frame: ICRS        |
|             |                                                                                                                  |                                     |                                                                                     |                    |                                                      |                              |

# Proposal 11295 - Visit 33 - Trigonometric Calibration of the Distance Scale for Classical Novae

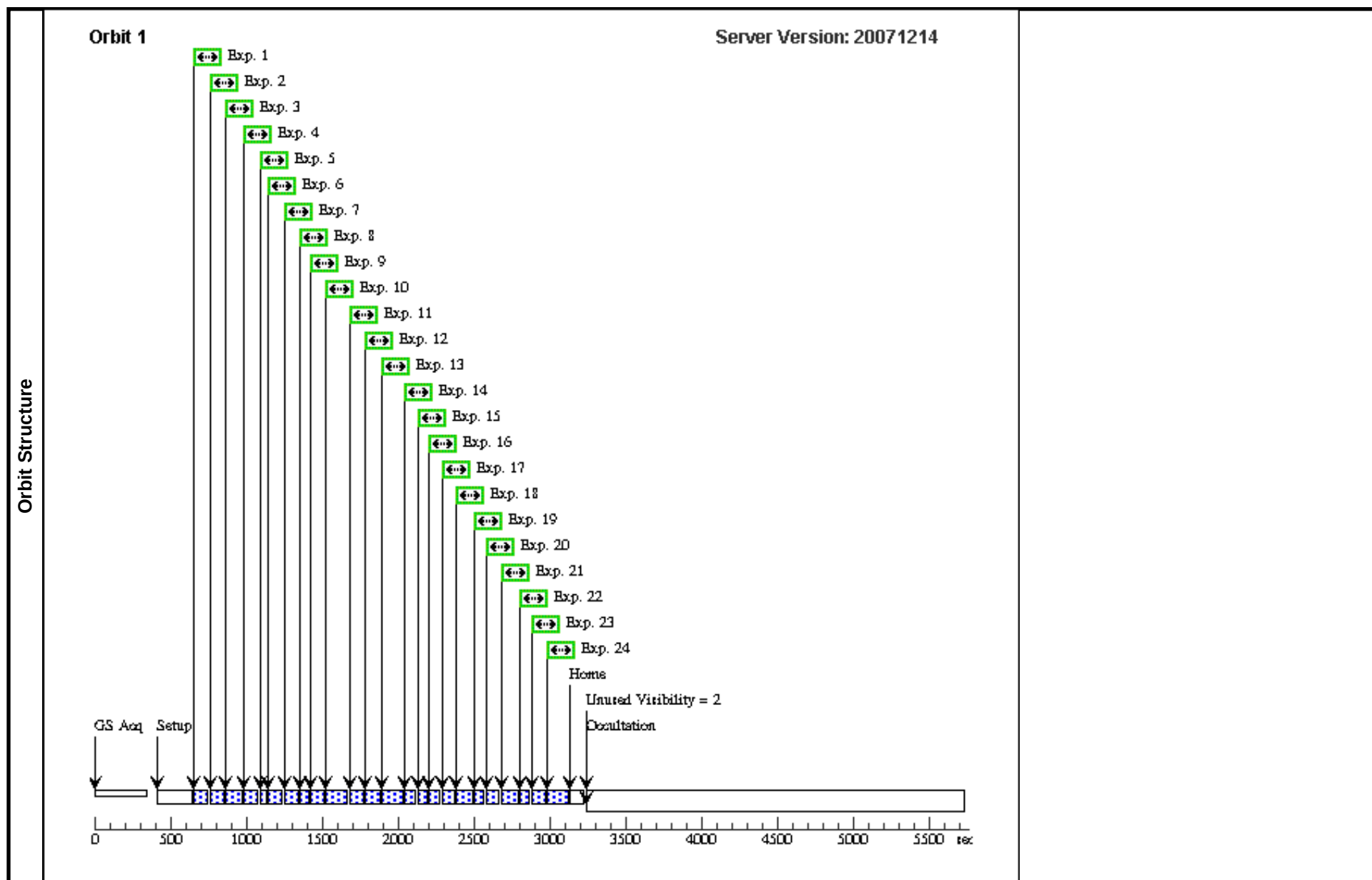
| Fixed Targets (continued) | #    | Name                                                            | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                              | Miscellaneous         |                          |                           |                         |       |
|---------------------------|------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------|-----------------------|--------------------------|---------------------------|-------------------------|-------|
|                           | (29) | RRPIC-REF5<br>Alt Name1: S4FZ006820                             | RA: 06 35 28.8400 (98.8701667d)<br>Dec: -62 38 34.30 (-62.64286d)<br>Equinox: J2000 |                          | V=15.14+/-0.1<br>Fpg=14.6,<br>Jpg=16.3,<br>Npg=14.2 | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (30) | RRPIC-REF6<br>Alt Name1: S4FZ006768                             | RA: 06 35 40.3400 (98.9180833d)<br>Dec: -62 38 41.40 (-62.64483d)<br>Equinox: J2000 |                          | V=15.14+/-0.1<br>Fpg=14.4,<br>Jpg=16.2,<br>Npg=14.1 | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (31) | RRPIC-REF7<br>Alt Name1: S4FZ007048                             | RA: 06 35 10.8300 (98.7951250d)<br>Dec: -62 37 49.10 (-62.63031d)<br>Equinox: J2000 |                          | V=15.24+/-0.1<br>Fpg=14.5,<br>Jpg=16.4,<br>Npg=14.3 | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (32) | RRPIC-REF8<br>Alt Name1: S4FZ000357                             | RA: 06 34 57.1000 (98.7379167d)<br>Dec: -62 37 11.70 (-62.61992d)<br>Equinox: J2000 |                          | V=13.98+/-0.1<br>Fpg=13.2,<br>Jpg=15.2,<br>Npg=12.7 | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (33) | RRPIC-REF9<br>Alt Name1: S4FZ000362                             | RA: 06 34 50.1100 (98.7087917d)<br>Dec: -62 37 40.38 (-62.62788d)<br>Equinox: J2000 |                          | V=15.06+/-0.1<br>Fpg=14.6,<br>Jpg=16.0,<br>Npg=14.3 | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (34) | RRPIC-REF10<br>Alt Name1: S4FZ006954                            | RA: 06 35 1.1500 (98.7547917d)<br>Dec: -62 38 14.50 (-62.63736d)<br>Equinox: J2000  |                          | V=15.3+/-0.1<br>Fpg=14.6,<br>Jpg=16.6,<br>Npg=14.2  | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (35) | RRPIC-REF11<br>Alt Name1: S4FZ000375                            | RA: 06 35 7.9300 (98.7830417d)<br>Dec: -62 39 53.16 (-62.66477d)<br>Equinox: J2000  |                          | V=13.07+/-0.1<br>Fpg=12.3,<br>Jpg=14.0,<br>Npg=12.0 | Reference Frame: ICRS |                          |                           |                         |       |
|                           | (36) | RRPIC-REF12<br>Alt Name1: S4FZ000364<br>Alt Name2: GSC889901409 | RA: 06 36 25.9800 (99.1082500d)<br>Dec: -62 38 12.50 (-62.63681d)<br>Equinox: J2000 |                          | V=10.56+/-0.1<br>V=10.45,<br>B=11.5                 | Reference Frame: ICRS |                          |                           |                         |       |
| Exposures                 | #    | Label                                                           | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                       | Opt. Params.          | Special Reqs.            | Groups                    | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1    |                                                                 | (3) RR-PIC                                                                          | FGS, POS, 1              | F583W                                               |                       | POS TARG 105.0,-2<br>7.0 | Sequence 1-24 Non-I<br>nt | 6.0 Secs                |       |
|                           |      |                                                                 |                                                                                     |                          |                                                     |                       |                          |                           | [==>]                   | [1]   |
|                           | 2    |                                                                 | (29) RRPIC-REF5                                                                     | FGS, POS, 1              | F583W                                               |                       | SAME POS AS 1            | Sequence 1-24 Non-I<br>nt | 6.0 Secs                |       |
|                           |      |                                                                 |                                                                                     |                          |                                                     |                       |                          |                           | [==>]                   | [1]   |

# Proposal 11295 - Visit 33 - Trigonometric Calibration of the Distance Scale for Classical Novae

|                       | #  | Label | Target           | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] |       | Orbit |
|-----------------------|----|-------|------------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|-------|
|                       |    |       |                  |                      |               |              |               |                       |                         |       |       |
| Exposures (continued) | 3  |       | (30) RRPIC-REF6  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 4  |       | (36) RRPIC-REF12 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 5  |       | (25) RRPIC-REF1  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 6  |       | (27) RRPIC-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 7  |       | (28) RRPIC-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 8  |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 9  |       | (29) RRPIC-REF5  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                | [==>] | [1]   |
|                       | 10 |       | (31) RRPIC-REF7  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                | [==>] | [1]   |
|                       | 11 |       | (32) RRPIC-REF8  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                | [==>] | [1]   |
|                       | 12 |       | (33) RRPIC-REF9  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                | [==>] | [1]   |
|                       | 13 |       | (34) RRPIC-REF10 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                | [==>] | [1]   |
|                       | 14 |       | (35) RRPIC-REF11 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                | [==>] | [1]   |
|                       | 15 |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 16 |       | (36) RRPIC-REF12 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                | [==>] | [1]   |
|                       | 17 |       | (28) RRPIC-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 18 |       | (29) RRPIC-REF5  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 19 |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 20 |       | (30) RRPIC-REF6  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |
|                       | 21 |       | (32) RRPIC-REF8  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                | [==>] | [1]   |

# Proposal 11295 - Visit 33 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target           | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|------------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 22 |       | (35) RRPIC-REF11 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 23 |       | (36) RRPIC-REF12 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 24 |       | (33) RRPIC-REF9  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |



# Proposal 11295 - Visit 34 - Trigonometric Calibration of the Distance Scale for Classical Novae

|             |                                                                                                                  |                                     |                                                                                     |                    |                                                      |                              |
|-------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|--------------------|------------------------------------------------------|------------------------------|
| Visit       | Proposal 11295, Visit 34, implementation                                                                         |                                     |                                                                                     |                    |                                                      | Fri Jan 18 10:32:50 GMT 2008 |
|             | Diagnostic Status: Warning                                                                                       |                                     |                                                                                     |                    |                                                      |                              |
|             | Scientific Instruments: FGS                                                                                      |                                     |                                                                                     |                    |                                                      |                              |
|             | Special Requirements: SCHED 70%; ORIENT 100.0D TO 100.0 D; BETWEEN 04-APR-2008:00:00:00 AND 19-APR-2008:00:00:00 |                                     |                                                                                     |                    |                                                      |                              |
| Diagnostics | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | (Visit 34) Warning (OP): FGS EXPOSURE TOO SHORT TO GUARANTEE SCIENCE DATA                                        |                                     |                                                                                     |                    |                                                      |                              |
|             | Fixed Targets                                                                                                    | #                                   | Name                                                                                | Target Coordinates | Targ. Coord. Corrections                             | Fluxes                       |
| (3)         |                                                                                                                  | RR-PIC                              | RA: 06 35 36.0640 (98.9002667d)<br>Dec: -62 38 24.30 (-62.64008d)<br>Equinox: J2000 |                    | V=12+/-0.2<br>B = 12.5                               | Reference Frame: ICRS        |
| (25)        |                                                                                                                  | RRPIC-REF1<br>Alt Name1: S4FZ000367 | RA: 06 36 27.6000 (99.1150000d)<br>Dec: -62 39 4.80 (-62.65133d)<br>Equinox: J2000  |                    | V=12.27+/-0.2<br>Fpg=11.54,<br>Jpg=12.5,<br>Npg=11.6 | Reference Frame: ICRS        |
| (27)        |                                                                                                                  | RRPIC-REF3<br>Alt Name1: S4FZ000370 | RA: 06 36 7.2600 (99.0302500d)<br>Dec: -62 39 34.80 (-62.65967d)<br>Equinox: J2000  |                    | V=14.73+/-0.1<br>Fpg=14.0,<br>Jpg=15.6,<br>Npg=13.7  | Reference Frame: ICRS        |
| (28)        |                                                                                                                  | RRPIC-REF4<br>Alt Name1: S4FZ000361 | RA: 06 35 51.3100 (98.9637917d)<br>Dec: -62 37 46.20 (-62.62950d)<br>Equinox: J2000 |                    | V=13.98+/-0.1<br>Fpg=13.6,<br>Jpg=14.3,<br>Npg=13.3  | Reference Frame: ICRS        |
|             |                                                                                                                  |                                     |                                                                                     |                    |                                                      |                              |

# Proposal 11295 - Visit 34 - Trigonometric Calibration of the Distance Scale for Classical Novae

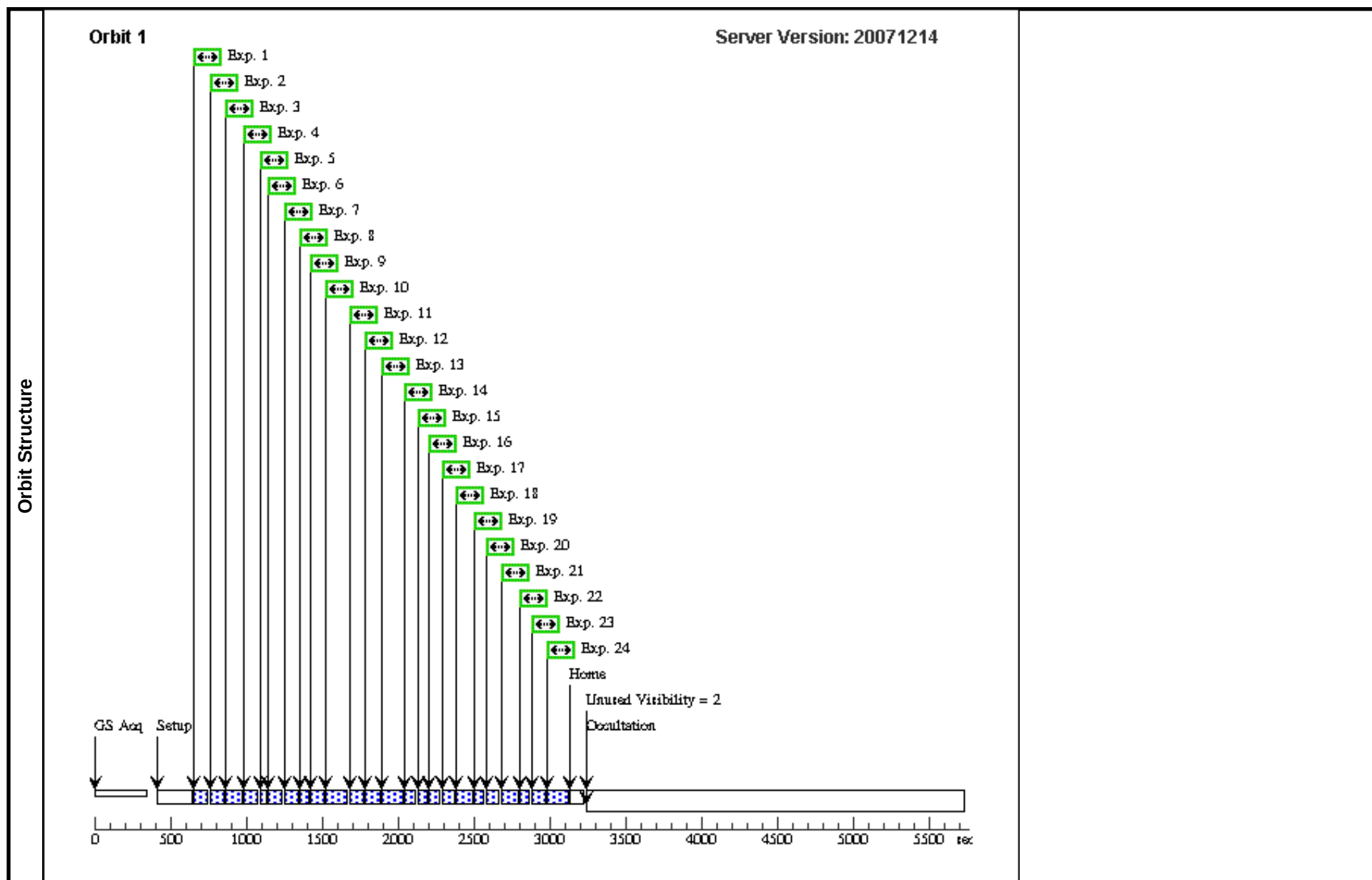
| Fixed Targets (continued) | #    | Name                                                            | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                              | Miscellaneous         |                          |                       |                         |       |
|---------------------------|------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------|-----------------------|--------------------------|-----------------------|-------------------------|-------|
|                           | (29) | RRPIC-REF5<br>Alt Name1: S4FZ006820                             | RA: 06 35 28.8400 (98.8701667d)<br>Dec: -62 38 34.30 (-62.64286d)<br>Equinox: J2000 |                          | V=15.14+/-0.1<br>Fpg=14.6,<br>Jpg=16.3,<br>Npg=14.2 | Reference Frame: ICRS |                          |                       |                         |       |
|                           | (30) | RRPIC-REF6<br>Alt Name1: S4FZ006768                             | RA: 06 35 40.3400 (98.9180833d)<br>Dec: -62 38 41.40 (-62.64483d)<br>Equinox: J2000 |                          | V=15.14+/-0.1<br>Fpg=14.4,<br>Jpg=16.2,<br>Npg=14.1 | Reference Frame: ICRS |                          |                       |                         |       |
|                           | (31) | RRPIC-REF7<br>Alt Name1: S4FZ007048                             | RA: 06 35 10.8300 (98.7951250d)<br>Dec: -62 37 49.10 (-62.63031d)<br>Equinox: J2000 |                          | V=15.24+/-0.1<br>Fpg=14.5,<br>Jpg=16.4,<br>Npg=14.3 | Reference Frame: ICRS |                          |                       |                         |       |
|                           | (32) | RRPIC-REF8<br>Alt Name1: S4FZ000357                             | RA: 06 34 57.1000 (98.7379167d)<br>Dec: -62 37 11.70 (-62.61992d)<br>Equinox: J2000 |                          | V=13.98+/-0.1<br>Fpg=13.2,<br>Jpg=15.2,<br>Npg=12.7 | Reference Frame: ICRS |                          |                       |                         |       |
|                           | (33) | RRPIC-REF9<br>Alt Name1: S4FZ000362                             | RA: 06 34 50.1100 (98.7087917d)<br>Dec: -62 37 40.38 (-62.62788d)<br>Equinox: J2000 |                          | V=15.06+/-0.1<br>Fpg=14.6,<br>Jpg=16.0,<br>Npg=14.3 | Reference Frame: ICRS |                          |                       |                         |       |
|                           | (34) | RRPIC-REF10<br>Alt Name1: S4FZ006954                            | RA: 06 35 1.1500 (98.7547917d)<br>Dec: -62 38 14.50 (-62.63736d)<br>Equinox: J2000  |                          | V=15.3+/-0.1<br>Fpg=14.6,<br>Jpg=16.6,<br>Npg=14.2  | Reference Frame: ICRS |                          |                       |                         |       |
|                           | (35) | RRPIC-REF11<br>Alt Name1: S4FZ000375                            | RA: 06 35 7.9300 (98.7830417d)<br>Dec: -62 39 53.16 (-62.66477d)<br>Equinox: J2000  |                          | V=13.07+/-0.1<br>Fpg=12.3,<br>Jpg=14.0,<br>Npg=12.0 | Reference Frame: ICRS |                          |                       |                         |       |
|                           | (36) | RRPIC-REF12<br>Alt Name1: S4FZ000364<br>Alt Name2: GSC889901409 | RA: 06 36 25.9800 (99.1082500d)<br>Dec: -62 38 12.50 (-62.63681d)<br>Equinox: J2000 |                          | V=10.56+/-0.1<br>V=10.45,<br>B=11.5                 | Reference Frame: ICRS |                          |                       |                         |       |
| Exposures                 | #    | Label                                                           | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                       | Opt. Params.          | Special Reqs.            | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                           | 1    |                                                                 | (3) RR-PIC                                                                          | FGS, POS, 1              | F583W                                               |                       | POS TARG 105.0,-2<br>7.0 | Sequence 1-24 Non-Int | 6.0 Secs                |       |
|                           |      |                                                                 |                                                                                     |                          |                                                     |                       |                          |                       | [==>]                   | [1]   |
|                           | 2    |                                                                 | (29) RRPIC-REF5                                                                     | FGS, POS, 1              | F583W                                               |                       | SAME POS AS 1            | Sequence 1-24 Non-Int | 6.0 Secs                |       |
|                           |      |                                                                 |                                                                                     |                          |                                                     |                       |                          |                       | [==>]                   | [1]   |

# Proposal 11295 - Visit 34 - Trigonometric Calibration of the Distance Scale for Classical Novae

|                       | #  | Label | Target           | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] |  | Orbit |
|-----------------------|----|-------|------------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|--|-------|
|                       |    |       |                  |                      |               |              |               |                       |                         |  |       |
| Exposures (continued) | 3  |       | (30) RRPIC-REF6  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 4  |       | (36) RRPIC-REF12 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 5  |       | (25) RRPIC-REF1  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 6  |       | (27) RRPIC-REF3  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 7  |       | (28) RRPIC-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 8  |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 9  |       | (29) RRPIC-REF5  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 10 |       | (31) RRPIC-REF7  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 11 |       | (32) RRPIC-REF8  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 12 |       | (33) RRPIC-REF9  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 13 |       | (34) RRPIC-REF10 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 14 |       | (35) RRPIC-REF11 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 8.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 15 |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 16 |       | (36) RRPIC-REF12 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 17 |       | (28) RRPIC-REF4  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 18 |       | (29) RRPIC-REF5  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 19 |       | (3) RR-PIC       | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 20 |       | (30) RRPIC-REF6  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |
|                       | 21 |       | (32) RRPIC-REF8  | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |  |       |
|                       |    |       |                  |                      |               |              |               |                       | [==>]                   |  | [1]   |

Proposal 11295 - Visit 34 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target           | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|------------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 22 |       | (35) RRPIC-REF11 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 6.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 23 |       | (36) RRPIC-REF12 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |
|                       | 24 |       | (33) RRPIC-REF9  | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-24 Non-Int | 4.0 Secs                |       |
|                       |    |       |                  |                        |               |              |               |                       | [==>]                   | [1]   |



# Proposal 11295 - Visit 41 - Trigonometric Calibration of the Distance Scale for Classical Novae

|               |                                                                                                                  |                                          |                                                                                     |                          |                                                                |                              |
|---------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------|------------------------------|
| Visit         | Proposal 11295, Visit 41, implementation                                                                         |                                          |                                                                                     |                          |                                                                | Fri Jan 18 10:32:51 GMT 2008 |
|               | Diagnostic Status: No Diagnostics                                                                                |                                          |                                                                                     |                          |                                                                |                              |
|               | Scientific Instruments: FGS                                                                                      |                                          |                                                                                     |                          |                                                                |                              |
|               | Special Requirements: SCHED 70%; ORIENT 145.0D TO 145.0 D; BETWEEN 31-JUL-2007:00:00:00 AND 05-AUG-2007:00:00:00 |                                          |                                                                                     |                          |                                                                |                              |
| Fixed Targets | #                                                                                                                | Name                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                         | Miscellaneous                |
|               | (5)                                                                                                              | DQ-HER                                   | RA: 18 07 30.3025 (271.8762604d)<br>Dec: +45 51 32.17 (45.85894d)<br>Equinox: J2000 |                          | V=14.2+/-0.2<br>B = 17.7                                       | Reference Frame: ICRS        |
|               | (37)                                                                                                             | DQHER-REF1<br>Alt Name1:<br>GSC352401367 | RA: 18 07 38.4200 (271.9100833d)<br>Dec: +45 47 35.40 (45.79317d)<br>Equinox: J2000 |                          | V=10.59+/-0.1                                                  | Reference Frame: ICRS        |
|               | (38)                                                                                                             | DQHER-REF2<br>Alt Name1:<br>N2DC000443   | RA: 18 07 33.1800 (271.8882500d)<br>Dec: +45 47 30.60 (45.79183d)<br>Equinox: J2000 |                          | V=13.06+/-0.1<br>Fpg=12.6,<br>Jpg=13.6,<br>Npg=12.1,<br>B=13.7 | Reference Frame: ICRS        |
|               | Comments: mu_alpha = -4.5<br>mu_delta = 9.2                                                                      |                                          |                                                                                     |                          |                                                                |                              |
|               | (39)                                                                                                             | DQHER-REF3<br>Alt Name1:<br>GSC352401344 | RA: 18 07 26.7000 (271.8612500d)<br>Dec: +45 47 57.50 (45.79931d)<br>Equinox: J2000 |                          | V=11.59+/-0.1                                                  | Reference Frame: ICRS        |
|               | (40)                                                                                                             | DQHER-REF4<br>Alt Name1:<br>N2DC000428   | RA: 18 07 23.9000 (271.8495833d)<br>Dec: +45 49 47.60 (45.82989d)<br>Equinox: J2000 |                          | V=14.25+/-0.1<br>Fpg=14.0,<br>Jpg=14.9,<br>Npg=13.5,<br>B=15.0 | Reference Frame: ICRS        |
|               | Comments: mu_alpha = -10<br>mu_delta = -16                                                                       |                                          |                                                                                     |                          |                                                                |                              |
|               | (41)                                                                                                             | DQHER-REF5<br>Alt Name1:<br>N2DC045034   | RA: 18 07 29.9700 (271.8748750d)<br>Dec: +45 49 49.70 (45.83047d)<br>Equinox: J2000 |                          | V=15.13+/-0.1<br>Fpg=14.0. Jpg=14.9,<br>Npg=13.5,<br>B=15.0    | Reference Frame: ICRS        |
|               | Comments: mu_alpha = 4.2<br>mu_delta = -15.2                                                                     |                                          |                                                                                     |                          |                                                                |                              |

# Proposal 11295 - Visit 41 - Trigonometric Calibration of the Distance Scale for Classical Novae

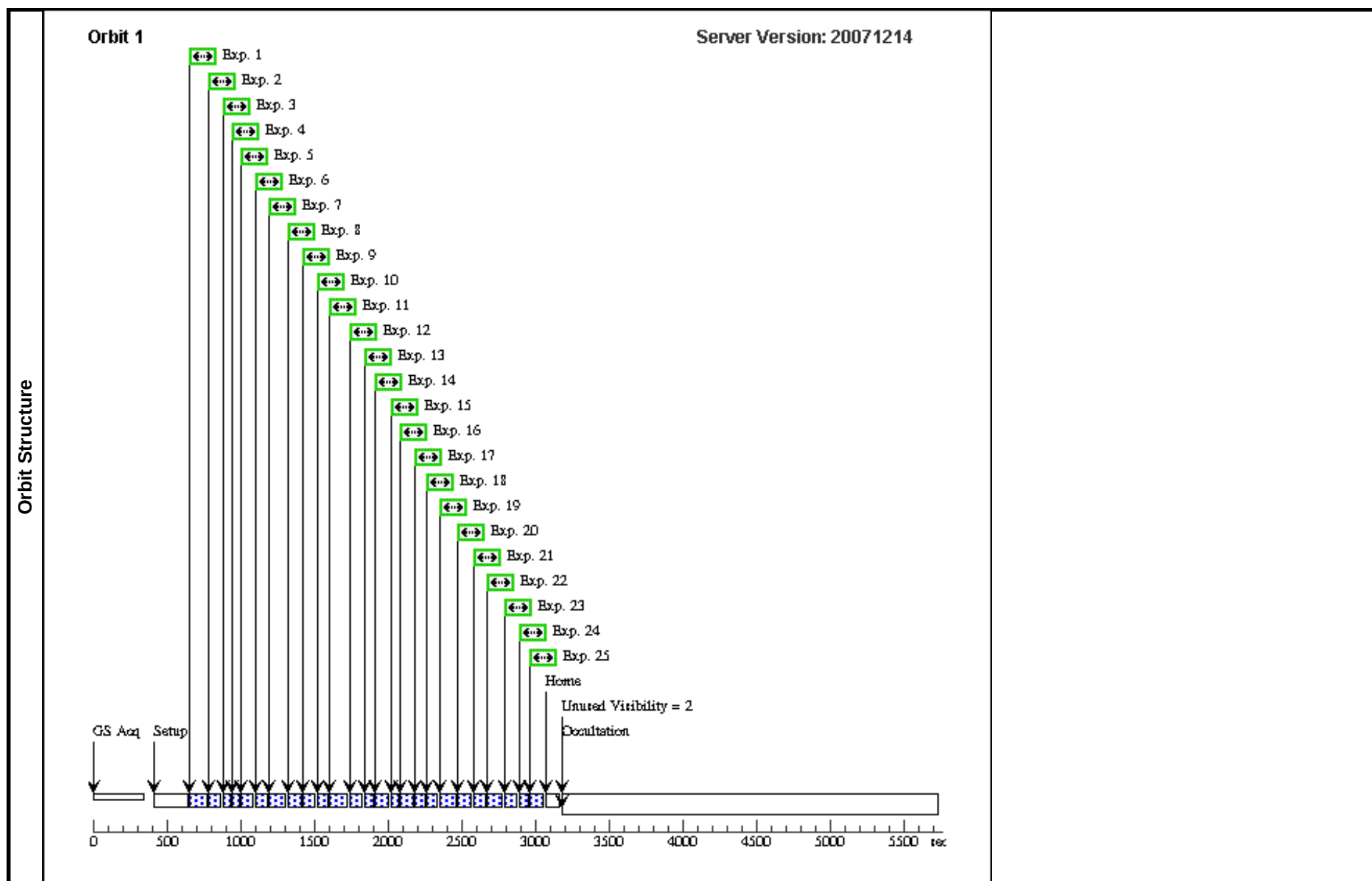
| Fixed Targets (continued)                     | #                                              | Name                                                                                | Target Coordinates                                                                  | Targ. Coord. Corrections                                       | Fluxes                                                         | Miscellaneous         |                                                      |                       |                         |       |
|-----------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------|------------------------------------------------------|-----------------------|-------------------------|-------|
|                                               | (42)                                           | DQHER-REF6<br>Alt Name1:<br>N2DC000419                                              | RA: 18 07 20.4400 (271.8351667d)<br>Dec: +45 51 14.80 (45.85411d)<br>Equinox: J2000 |                                                                | V=14.3+/-0.1<br>Fpg=13.7,<br>Jpg=15.6,<br>Npg=13.1,<br>B=15.5  | Reference Frame: ICRS |                                                      |                       |                         |       |
|                                               | Comments: mu_alpha = -11.8<br>mu_delta = -28.6 |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |
|                                               | (43)                                           | DQHER-REF7<br>Alt Name1:<br>N2DC000416                                              | RA: 18 07 17.7500 (271.8239583d)<br>Dec: +45 52 53.70 (45.88158d)<br>Equinox: J2000 |                                                                | V=14.65+/-0.1<br>Fpg=14.4,<br>Jpg=15.3,<br>Npg=13.9,<br>B=15.4 | Reference Frame: ICRS |                                                      |                       |                         |       |
|                                               | Comments: mu_alpha = 0<br>mu_delta = 1.8       |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |
|                                               | (44)                                           | DQHER-REF8<br>Alt Name1: N0ZK000332                                                 | RA: 18 07 25.4500 (271.8560417d)<br>Dec: +45 54 6.50 (45.90181d)<br>Equinox: J2000  |                                                                | V=14.36+/-0.1<br>Fpg=14.1,<br>Jpg=15.0,<br>Npg=12.1,<br>B=13.4 | Reference Frame: ICRS |                                                      |                       |                         |       |
| Comments: mu_alpha = -3.8<br>mu_delta = -21.0 |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |
| (45)                                          | DQHER-REF9<br>Alt Name1: N02K000310            | RA: 18 07 13.6000 (271.8066667d)<br>Dec: +45 55 26.60 (45.92406d)<br>Equinox: J2000 |                                                                                     | V=12.71+/-0.1<br>Fpg=12.4,<br>Jpg=13.5,<br>Npg=12.1,<br>B=13.4 | Reference Frame: ICRS                                          |                       |                                                      |                       |                         |       |
| Comments: mu_alpha = -9.1<br>mu_delta = 1.1   |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |
| Exposures                                     | #                                              | Label                                                                               | Target                                                                              | Config,Mode,Aperture                                           | Spectral Els.                                                  | Opt. Params.          | Special Reqs.                                        | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                                               | 1                                              |                                                                                     | (5) DQ-HER                                                                          | FGS, POS, 1                                                    | F583W                                                          |                       | POS TARG -53.985<br>29336067096,33.785<br>5072649908 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 2                                              |                                                                                     | (37) DQHER-REF1                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1                                        | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 3                                              |                                                                                     | (38) DQHER-REF2                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1                                        | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 4                                              |                                                                                     | (39) DQHER-REF3                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1                                        | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 5                                              |                                                                                     | (5) DQ-HER                                                                          | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1                                        | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |

# Proposal 11295 - Visit 41 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 6  |       | (40) DQHER-REF4 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 7  |       | (41) DQHER-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 8  |       | (42) DQHER-REF6 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 9  |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 10 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 11 |       | (43) DQHER-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 12 |       | (44) DQHER-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 13 |       | (45) DQHER-REF9 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 14 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 15 |       | (38) DQHER-REF2 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 16 |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 17 |       | (39) DQHER-REF3 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 18 |       | (40) DQHER-REF4 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 19 |       | (41) DQHER-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 20 |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 21 |       | (42) DQHER-REF6 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 22 |       | (43) DQHER-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 23 |       | (44) DQHER-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 24 |       | (45) DQHER-REF9 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |

Proposal 11295 - Visit 41 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 25 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 10.0 Secs<br>[==>]      | [1]   |



# Proposal 11295 - Visit 42 - Trigonometric Calibration of the Distance Scale for Classical Novae

|               |                                                                                                                  |                                          |                                                                                     |                          |                                                                    |                              |
|---------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------|------------------------------|
| Visit         | Proposal 11295, Visit 42, implementation                                                                         |                                          |                                                                                     |                          |                                                                    | Fri Jan 18 10:32:52 GMT 2008 |
|               | Diagnostic Status: No Diagnostics                                                                                |                                          |                                                                                     |                          |                                                                    |                              |
|               | Scientific Instruments: FGS                                                                                      |                                          |                                                                                     |                          |                                                                    |                              |
|               | Special Requirements: SCHED 70%; ORIENT 145.0D TO 145.0 D; BETWEEN 31-JUL-2007:00:00:00 AND 05-AUG-2007:00:00:00 |                                          |                                                                                     |                          |                                                                    |                              |
| Fixed Targets | #                                                                                                                | Name                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                             | Miscellaneous                |
|               | (5)                                                                                                              | DQ-HER                                   | RA: 18 07 30.3025 (271.8762604d)<br>Dec: +45 51 32.17 (45.85894d)<br>Equinox: J2000 |                          | V=14.2+/-0.2<br><br>B = 17.7                                       | Reference Frame: ICRS        |
|               | (37)                                                                                                             | DQHER-REF1<br>Alt Name1:<br>GSC352401367 | RA: 18 07 38.4200 (271.9100833d)<br>Dec: +45 47 35.40 (45.79317d)<br>Equinox: J2000 |                          | V=10.59+/-0.1                                                      | Reference Frame: ICRS        |
|               | (38)                                                                                                             | DQHER-REF2<br>Alt Name1:<br>N2DC000443   | RA: 18 07 33.1800 (271.8882500d)<br>Dec: +45 47 30.60 (45.79183d)<br>Equinox: J2000 |                          | V=13.06+/-0.1<br><br>Fpg=12.6,<br>Jpg=13.6,<br>Npg=12.1,<br>B=13.7 | Reference Frame: ICRS        |
|               | Comments: mu_alpha = -4.5<br>mu_delta = 9.2                                                                      |                                          |                                                                                     |                          |                                                                    |                              |
|               | (39)                                                                                                             | DQHER-REF3<br>Alt Name1:<br>GSC352401344 | RA: 18 07 26.7000 (271.8612500d)<br>Dec: +45 47 57.50 (45.79931d)<br>Equinox: J2000 |                          | V=11.59+/-0.1                                                      | Reference Frame: ICRS        |
|               | (40)                                                                                                             | DQHER-REF4<br>Alt Name1:<br>N2DC000428   | RA: 18 07 23.9000 (271.8495833d)<br>Dec: +45 49 47.60 (45.82989d)<br>Equinox: J2000 |                          | V=14.25+/-0.1<br><br>Fpg=14.0,<br>Jpg=14.9,<br>Npg=13.5,<br>B=15.0 | Reference Frame: ICRS        |
|               | Comments: mu_alpha = -10<br>mu_delta = -16                                                                       |                                          |                                                                                     |                          |                                                                    |                              |
|               | (41)                                                                                                             | DQHER-REF5<br>Alt Name1:<br>N2DC045034   | RA: 18 07 29.9700 (271.8748750d)<br>Dec: +45 49 49.70 (45.83047d)<br>Equinox: J2000 |                          | V=15.13+/-0.1<br><br>Fpg=14.0. Jpg=14.9,<br>Npg=13.5,<br>B=15.0    | Reference Frame: ICRS        |
|               | Comments: mu_alpha = 4.2<br>mu_delta = -15.2                                                                     |                                          |                                                                                     |                          |                                                                    |                              |

# Proposal 11295 - Visit 42 - Trigonometric Calibration of the Distance Scale for Classical Novae

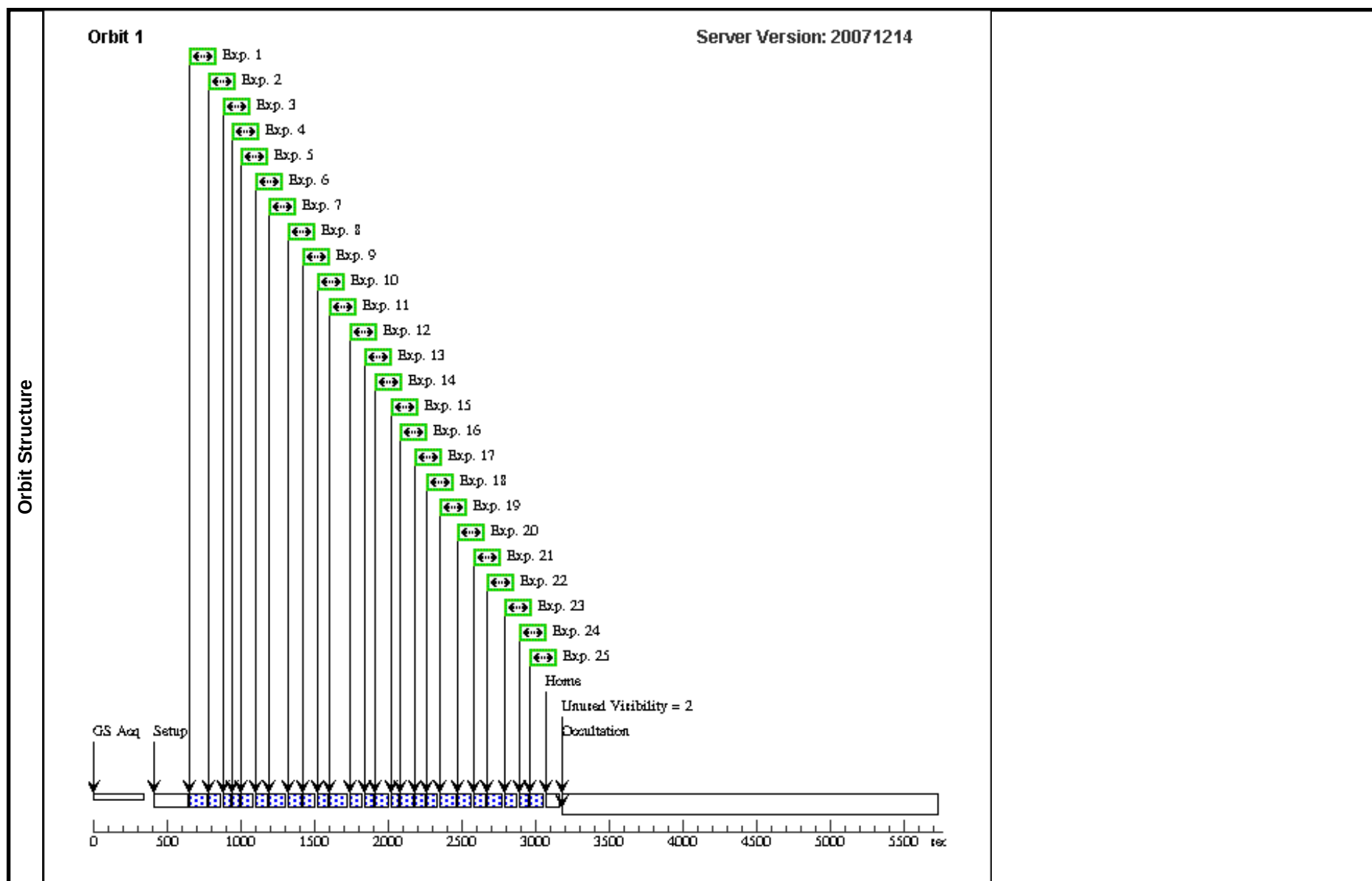
| Fixed Targets (continued)                     | #                                              | Name                                                                                | Target Coordinates                                                                  | Targ. Coord. Corrections                                       | Fluxes                                                         | Miscellaneous         |                                                      |                       |                         |       |
|-----------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------|------------------------------------------------------|-----------------------|-------------------------|-------|
|                                               | (42)                                           | DQHER-REF6<br>Alt Name1:<br>N2DC000419                                              | RA: 18 07 20.4400 (271.8351667d)<br>Dec: +45 51 14.80 (45.85411d)<br>Equinox: J2000 |                                                                | V=14.3+/-0.1<br>Fpg=13.7,<br>Jpg=15.6,<br>Npg=13.1,<br>B=15.5  | Reference Frame: ICRS |                                                      |                       |                         |       |
|                                               | Comments: mu_alpha = -11.8<br>mu_delta = -28.6 |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |
|                                               | (43)                                           | DQHER-REF7<br>Alt Name1:<br>N2DC000416                                              | RA: 18 07 17.7500 (271.8239583d)<br>Dec: +45 52 53.70 (45.88158d)<br>Equinox: J2000 |                                                                | V=14.65+/-0.1<br>Fpg=14.4,<br>Jpg=15.3,<br>Npg=13.9,<br>B=15.4 | Reference Frame: ICRS |                                                      |                       |                         |       |
|                                               | Comments: mu_alpha = 0<br>mu_delta = 1.8       |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |
|                                               | (44)                                           | DQHER-REF8<br>Alt Name1: N0ZK000332                                                 | RA: 18 07 25.4500 (271.8560417d)<br>Dec: +45 54 6.50 (45.90181d)<br>Equinox: J2000  |                                                                | V=14.36+/-0.1<br>Fpg=14.1,<br>Jpg=15.0,<br>Npg=12.1,<br>B=13.4 | Reference Frame: ICRS |                                                      |                       |                         |       |
| Comments: mu_alpha = -3.8<br>mu_delta = -21.0 |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |
| (45)                                          | DQHER-REF9<br>Alt Name1: N02K000310            | RA: 18 07 13.6000 (271.8066667d)<br>Dec: +45 55 26.60 (45.92406d)<br>Equinox: J2000 |                                                                                     | V=12.71+/-0.1<br>Fpg=12.4,<br>Jpg=13.5,<br>Npg=12.1,<br>B=13.4 | Reference Frame: ICRS                                          |                       |                                                      |                       |                         |       |
| Comments: mu_alpha = -9.1<br>mu_delta = 1.1   |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |
| Exposures                                     | #                                              | Label                                                                               | Target                                                                              | Config,Mode,Aperture                                           | Spectral Els.                                                  | Opt. Params.          | Special Reqs.                                        | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                                               | 1                                              |                                                                                     | (5) DQ-HER                                                                          | FGS, POS, 1                                                    | F583W                                                          |                       | POS TARG -53.985<br>29336067096,33.785<br>5072649908 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 2                                              |                                                                                     | (37) DQHER-REF1                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1                                        | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 3                                              |                                                                                     | (38) DQHER-REF2                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1                                        | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 4                                              |                                                                                     | (39) DQHER-REF3                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1                                        | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 5                                              |                                                                                     | (5) DQ-HER                                                                          | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1                                        | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                                                      |                       |                         |       |

# Proposal 11295 - Visit 42 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config, Mode, Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|------------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 6  |       | (40) DQHER-REF4 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 7  |       | (41) DQHER-REF5 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 8  |       | (42) DQHER-REF6 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 9  |       | (5) DQ-HER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 10 |       | (37) DQHER-REF1 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 11 |       | (43) DQHER-REF7 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 12 |       | (44) DQHER-REF8 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 13 |       | (45) DQHER-REF9 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 14 |       | (37) DQHER-REF1 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 15 |       | (38) DQHER-REF2 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 16 |       | (5) DQ-HER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 17 |       | (39) DQHER-REF3 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 18 |       | (40) DQHER-REF4 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 19 |       | (41) DQHER-REF5 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 20 |       | (5) DQ-HER      | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 21 |       | (42) DQHER-REF6 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 22 |       | (43) DQHER-REF7 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 23 |       | (44) DQHER-REF8 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 24 |       | (45) DQHER-REF9 | FGS, POS, 1            | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |

Proposal 11295 - Visit 42 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 25 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 10.0 Secs<br>[=>]       | [1]   |



# Proposal 11295 - Visit 43 - Trigonometric Calibration of the Distance Scale for Classical Novae

|               |                                                                                                                  |                                          |                                                                                     |                          |                                                                |                              |
|---------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------|------------------------------|
| Visit         | Proposal 11295, Visit 43, implementation                                                                         |                                          |                                                                                     |                          |                                                                | Fri Jan 18 10:32:53 GMT 2008 |
|               | Diagnostic Status: No Diagnostics                                                                                |                                          |                                                                                     |                          |                                                                |                              |
|               | Scientific Instruments: FGS                                                                                      |                                          |                                                                                     |                          |                                                                |                              |
|               | Special Requirements: SCHED 70%; ORIENT 340.0D TO 340.0 D; BETWEEN 01-JAN-2008:00:00:00 AND 15-JAN-2008:00:00:00 |                                          |                                                                                     |                          |                                                                |                              |
| Fixed Targets | #                                                                                                                | Name                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                         | Miscellaneous                |
|               | (5)                                                                                                              | DQ-HER                                   | RA: 18 07 30.3025 (271.8762604d)<br>Dec: +45 51 32.17 (45.85894d)<br>Equinox: J2000 |                          | V=14.2+/-0.2<br>B = 17.7                                       | Reference Frame: ICRS        |
|               | (37)                                                                                                             | DQHER-REF1<br>Alt Name1:<br>GSC352401367 | RA: 18 07 38.4200 (271.9100833d)<br>Dec: +45 47 35.40 (45.79317d)<br>Equinox: J2000 |                          | V=10.59+/-0.1                                                  | Reference Frame: ICRS        |
|               | (38)                                                                                                             | DQHER-REF2<br>Alt Name1:<br>N2DC000443   | RA: 18 07 33.1800 (271.8882500d)<br>Dec: +45 47 30.60 (45.79183d)<br>Equinox: J2000 |                          | V=13.06+/-0.1<br>Fpg=12.6,<br>Jpg=13.6,<br>Npg=12.1,<br>B=13.7 | Reference Frame: ICRS        |
|               | Comments: mu_alpha = -4.5<br>mu_delta = 9.2                                                                      |                                          |                                                                                     |                          |                                                                |                              |
|               | (39)                                                                                                             | DQHER-REF3<br>Alt Name1:<br>GSC352401344 | RA: 18 07 26.7000 (271.8612500d)<br>Dec: +45 47 57.50 (45.79931d)<br>Equinox: J2000 |                          | V=11.59+/-0.1                                                  | Reference Frame: ICRS        |
|               | (40)                                                                                                             | DQHER-REF4<br>Alt Name1:<br>N2DC000428   | RA: 18 07 23.9000 (271.8495833d)<br>Dec: +45 49 47.60 (45.82989d)<br>Equinox: J2000 |                          | V=14.25+/-0.1<br>Fpg=14.0,<br>Jpg=14.9,<br>Npg=13.5,<br>B=15.0 | Reference Frame: ICRS        |
|               | Comments: mu_alpha = -10<br>mu_delta = -16                                                                       |                                          |                                                                                     |                          |                                                                |                              |
|               | (41)                                                                                                             | DQHER-REF5<br>Alt Name1:<br>N2DC045034   | RA: 18 07 29.9700 (271.8748750d)<br>Dec: +45 49 49.70 (45.83047d)<br>Equinox: J2000 |                          | V=15.13+/-0.1<br>Fpg=14.0. Jpg=14.9,<br>Npg=13.5,<br>B=15.0    | Reference Frame: ICRS        |
|               | Comments: mu_alpha = 4.2<br>mu_delta = -15.2                                                                     |                                          |                                                                                     |                          |                                                                |                              |

# Proposal 11295 - Visit 43 - Trigonometric Calibration of the Distance Scale for Classical Novae

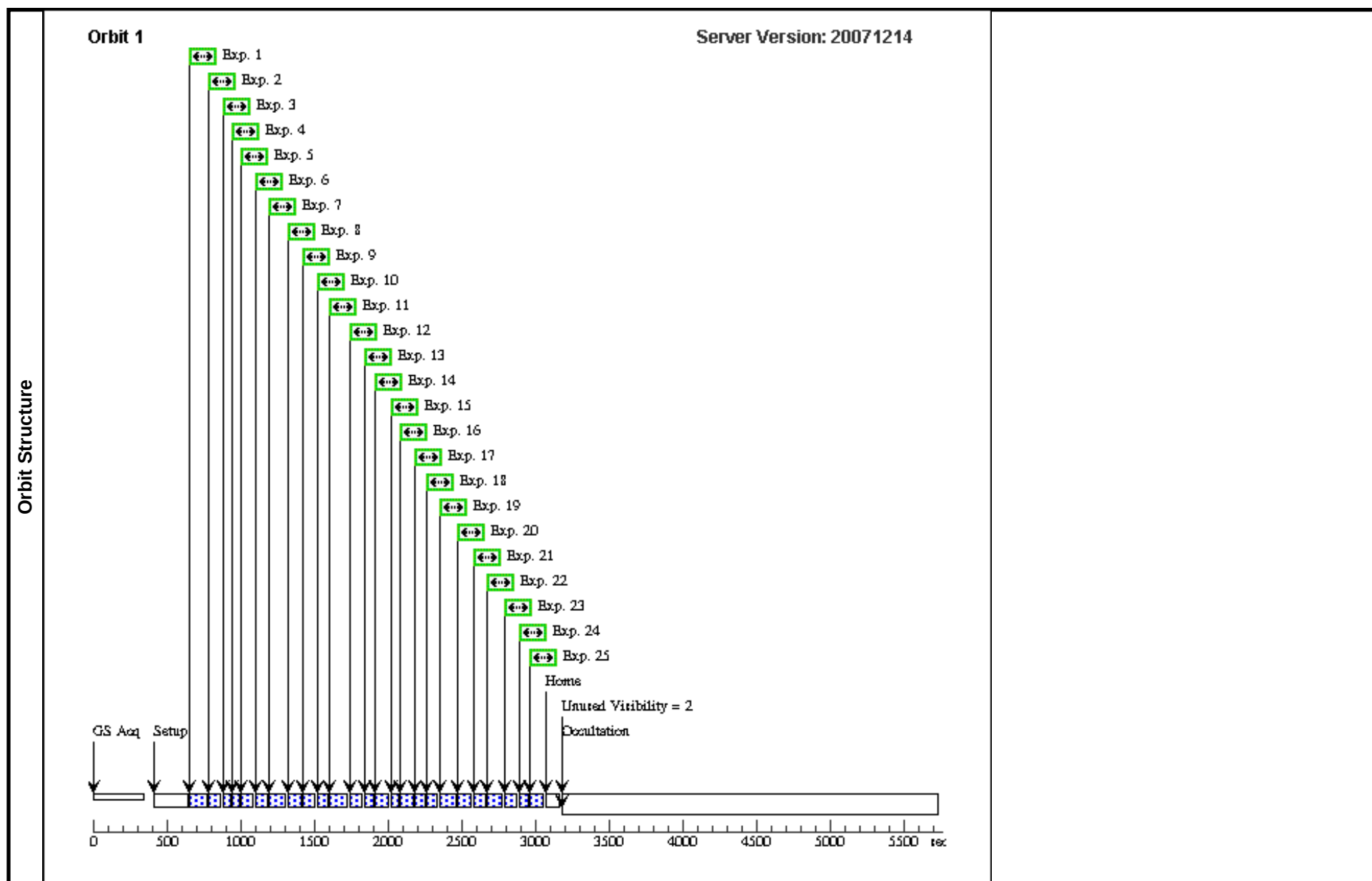
| Fixed Targets (continued)                     | #                                              | Name                                                                                | Target Coordinates                                                                  | Targ. Coord. Corrections                                       | Fluxes                                                         | Miscellaneous         |                     |                       |                         |       |
|-----------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------|---------------------|-----------------------|-------------------------|-------|
|                                               | (42)                                           | DQHER-REF6<br>Alt Name1: N2DC000419                                                 | RA: 18 07 20.4400 (271.8351667d)<br>Dec: +45 51 14.80 (45.85411d)<br>Equinox: J2000 |                                                                | V=14.3+/-0.1<br>Fpg=13.7,<br>Jpg=15.6,<br>Npg=13.1,<br>B=15.5  | Reference Frame: ICRS |                     |                       |                         |       |
|                                               | Comments: mu_alpha = -11.8<br>mu_delta = -28.6 |                                                                                     |                                                                                     |                                                                |                                                                |                       |                     |                       |                         |       |
|                                               | (43)                                           | DQHER-REF7<br>Alt Name1: N2DC000416                                                 | RA: 18 07 17.7500 (271.8239583d)<br>Dec: +45 52 53.70 (45.88158d)<br>Equinox: J2000 |                                                                | V=14.65+/-0.1<br>Fpg=14.4,<br>Jpg=15.3,<br>Npg=13.9,<br>B=15.4 | Reference Frame: ICRS |                     |                       |                         |       |
|                                               | Comments: mu_alpha = 0<br>mu_delta = 1.8       |                                                                                     |                                                                                     |                                                                |                                                                |                       |                     |                       |                         |       |
|                                               | (44)                                           | DQHER-REF8<br>Alt Name1: N0ZK000332                                                 | RA: 18 07 25.4500 (271.8560417d)<br>Dec: +45 54 6.50 (45.90181d)<br>Equinox: J2000  |                                                                | V=14.36+/-0.1<br>Fpg=14.1,<br>Jpg=15.0,<br>Npg=12.1,<br>B=13.4 | Reference Frame: ICRS |                     |                       |                         |       |
| Comments: mu_alpha = -3.8<br>mu_delta = -21.0 |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                     |                       |                         |       |
| (45)                                          | DQHER-REF9<br>Alt Name1: N02K000310            | RA: 18 07 13.6000 (271.8066667d)<br>Dec: +45 55 26.60 (45.92406d)<br>Equinox: J2000 |                                                                                     | V=12.71+/-0.1<br>Fpg=12.4,<br>Jpg=13.5,<br>Npg=12.1,<br>B=13.4 | Reference Frame: ICRS                                          |                       |                     |                       |                         |       |
| Comments: mu_alpha = -9.1<br>mu_delta = 1.1   |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                     |                       |                         |       |
| Exposures                                     | #                                              | Label                                                                               | Target                                                                              | Config,Mode,Aperture                                           | Spectral Els.                                                  | Opt. Params.          | Special Reqs.       | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                                               | 1                                              |                                                                                     | (5) DQ-HER                                                                          | FGS, POS, 1                                                    | F583W                                                          |                       | POS TARG -5.8,-62.0 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 2                                              |                                                                                     | (37) DQHER-REF1                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1       | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 3                                              |                                                                                     | (38) DQHER-REF2                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1       | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 4                                              |                                                                                     | (39) DQHER-REF3                                                                     | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1       | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 5                                              |                                                                                     | (5) DQ-HER                                                                          | FGS, POS, 1                                                    | F583W                                                          |                       | SAME POS AS 1       | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               |                                                |                                                                                     |                                                                                     |                                                                |                                                                |                       |                     |                       |                         |       |

# Proposal 11295 - Visit 43 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 6  |       | (40) DQHER-REF4 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 7  |       | (41) DQHER-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 8  |       | (42) DQHER-REF6 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 9  |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 10 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 11 |       | (43) DQHER-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 12 |       | (44) DQHER-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 13 |       | (45) DQHER-REF9 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 14 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 15 |       | (38) DQHER-REF2 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 16 |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 17 |       | (39) DQHER-REF3 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 18 |       | (40) DQHER-REF4 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 19 |       | (41) DQHER-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 20 |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 21 |       | (42) DQHER-REF6 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 22 |       | (43) DQHER-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 23 |       | (44) DQHER-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 24 |       | (45) DQHER-REF9 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |

Proposal 11295 - Visit 43 - Trigonometric Calibration of the Distance Scale for Classical Novae

| Exposures (continued) | #  | Label | Target          | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 25 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 10.0 Secs<br>[==>]      | [1]   |



# Proposal 11295 - Visit 44 - Trigonometric Calibration of the Distance Scale for Classical Novae

|               |                                                                                                                  |                                          |                                                                                     |                          |                                                                |                              |
|---------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------|------------------------------|
| Visit         | Proposal 11295, Visit 44, implementation                                                                         |                                          |                                                                                     |                          |                                                                | Fri Jan 18 10:32:54 GMT 2008 |
|               | Diagnostic Status: No Diagnostics                                                                                |                                          |                                                                                     |                          |                                                                |                              |
|               | Scientific Instruments: FGS                                                                                      |                                          |                                                                                     |                          |                                                                |                              |
|               | Special Requirements: SCHED 70%; ORIENT 340.0D TO 340.0 D; BETWEEN 01-JAN-2008:00:00:00 AND 15-JAN-2008:00:00:00 |                                          |                                                                                     |                          |                                                                |                              |
| Fixed Targets | #                                                                                                                | Name                                     | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                         | Miscellaneous                |
|               | (5)                                                                                                              | DQ-HER                                   | RA: 18 07 30.3025 (271.8762604d)<br>Dec: +45 51 32.17 (45.85894d)<br>Equinox: J2000 |                          | V=14.2+/-0.2<br>B = 17.7                                       | Reference Frame: ICRS        |
|               | (37)                                                                                                             | DQHER-REF1<br>Alt Name1:<br>GSC352401367 | RA: 18 07 38.4200 (271.9100833d)<br>Dec: +45 47 35.40 (45.79317d)<br>Equinox: J2000 |                          | V=10.59+/-0.1                                                  | Reference Frame: ICRS        |
|               | (38)                                                                                                             | DQHER-REF2<br>Alt Name1:<br>N2DC000443   | RA: 18 07 33.1800 (271.8882500d)<br>Dec: +45 47 30.60 (45.79183d)<br>Equinox: J2000 |                          | V=13.06+/-0.1<br>Fpg=12.6,<br>Jpg=13.6,<br>Npg=12.1,<br>B=13.7 | Reference Frame: ICRS        |
|               | Comments: mu_alpha = -4.5<br>mu_delta = 9.2                                                                      |                                          |                                                                                     |                          |                                                                |                              |
|               | (39)                                                                                                             | DQHER-REF3<br>Alt Name1:<br>GSC352401344 | RA: 18 07 26.7000 (271.8612500d)<br>Dec: +45 47 57.50 (45.79931d)<br>Equinox: J2000 |                          | V=11.59+/-0.1                                                  | Reference Frame: ICRS        |
|               | (40)                                                                                                             | DQHER-REF4<br>Alt Name1:<br>N2DC000428   | RA: 18 07 23.9000 (271.8495833d)<br>Dec: +45 49 47.60 (45.82989d)<br>Equinox: J2000 |                          | V=14.25+/-0.1<br>Fpg=14.0,<br>Jpg=14.9,<br>Npg=13.5,<br>B=15.0 | Reference Frame: ICRS        |
|               | Comments: mu_alpha = -10<br>mu_delta = -16                                                                       |                                          |                                                                                     |                          |                                                                |                              |
|               | (41)                                                                                                             | DQHER-REF5<br>Alt Name1:<br>N2DC045034   | RA: 18 07 29.9700 (271.8748750d)<br>Dec: +45 49 49.70 (45.83047d)<br>Equinox: J2000 |                          | V=15.13+/-0.1<br>Fpg=14.0. Jpg=14.9,<br>Npg=13.5,<br>B=15.0    | Reference Frame: ICRS        |
|               | Comments: mu_alpha = 4.2<br>mu_delta = -15.2                                                                     |                                          |                                                                                     |                          |                                                                |                              |

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| Fixed Targets (continued)                     | #                                              | Name                                | Target Coordinates                                                                  | Targ. Coord. Corrections | Fluxes                                                         | Miscellaneous         |                     |                       |                         |       |
|-----------------------------------------------|------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------|-----------------------|---------------------|-----------------------|-------------------------|-------|
|                                               | (42)                                           | DQHER-REF6<br>Alt Name1: N2DC000419 | RA: 18 07 20.4400 (271.8351667d)<br>Dec: +45 51 14.80 (45.85411d)<br>Equinox: J2000 |                          | V=14.3+/-0.1<br>Fpg=13.7,<br>Jpg=15.6,<br>Npg=13.1,<br>B=15.5  | Reference Frame: ICRS |                     |                       |                         |       |
|                                               | Comments: mu_alpha = -11.8<br>mu_delta = -28.6 |                                     |                                                                                     |                          |                                                                |                       |                     |                       |                         |       |
|                                               | (43)                                           | DQHER-REF7<br>Alt Name1: N2DC000416 | RA: 18 07 17.7500 (271.8239583d)<br>Dec: +45 52 53.70 (45.88158d)<br>Equinox: J2000 |                          | V=14.65+/-0.1<br>Fpg=14.4,<br>Jpg=15.3,<br>Npg=13.9,<br>B=15.4 | Reference Frame: ICRS |                     |                       |                         |       |
|                                               | Comments: mu_alpha = 0<br>mu_delta = 1.8       |                                     |                                                                                     |                          |                                                                |                       |                     |                       |                         |       |
|                                               | (44)                                           | DQHER-REF8<br>Alt Name1: N0ZK000332 | RA: 18 07 25.4500 (271.8560417d)<br>Dec: +45 54 6.50 (45.90181d)<br>Equinox: J2000  |                          | V=14.36+/-0.1<br>Fpg=14.1,<br>Jpg=15.0,<br>Npg=12.1,<br>B=13.4 | Reference Frame: ICRS |                     |                       |                         |       |
| Comments: mu_alpha = -3.8<br>mu_delta = -21.0 |                                                |                                     |                                                                                     |                          |                                                                |                       |                     |                       |                         |       |
|                                               | (45)                                           | DQHER-REF9<br>Alt Name1: N02K000310 | RA: 18 07 13.6000 (271.8066667d)<br>Dec: +45 55 26.60 (45.92406d)<br>Equinox: J2000 |                          | V=12.71+/-0.1<br>Fpg=12.4,<br>Jpg=13.5,<br>Npg=12.1,<br>B=13.4 | Reference Frame: ICRS |                     |                       |                         |       |
| Comments: mu_alpha = -9.1<br>mu_delta = 1.1   |                                                |                                     |                                                                                     |                          |                                                                |                       |                     |                       |                         |       |
| Exposures                                     | #                                              | Label                               | Target                                                                              | Config,Mode,Aperture     | Spectral Els.                                                  | Opt. Params.          | Special Reqs.       | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|                                               | 1                                              |                                     | (5) DQ-HER                                                                          | FGS, POS, 1              | F583W                                                          |                       | POS TARG -5.8,-62.0 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 2                                              |                                     | (37) DQHER-REF1                                                                     | FGS, POS, 1              | F583W                                                          |                       | SAME POS AS 1       | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 3                                              |                                     | (38) DQHER-REF2                                                                     | FGS, POS, 1              | F583W                                                          |                       | SAME POS AS 1       | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 4                                              |                                     | (39) DQHER-REF3                                                                     | FGS, POS, 1              | F583W                                                          |                       | SAME POS AS 1       | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               | 5                                              |                                     | (5) DQ-HER                                                                          | FGS, POS, 1              | F583W                                                          |                       | SAME POS AS 1       | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                                               |                                                |                                     |                                                                                     |                          |                                                                |                       |                     |                       |                         |       |
|                                               |                                                |                                     |                                                                                     |                          |                                                                |                       |                     |                       |                         |       |

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| Exposures (continued) | #  | Label | Target          | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 6  |       | (40) DQHER-REF4 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 7  |       | (41) DQHER-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 8  |       | (42) DQHER-REF6 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 9  |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 10 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 11 |       | (43) DQHER-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 12 |       | (44) DQHER-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 13 |       | (45) DQHER-REF9 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 14 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 15 |       | (38) DQHER-REF2 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 16 |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 17 |       | (39) DQHER-REF3 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 18 |       | (40) DQHER-REF4 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 19 |       | (41) DQHER-REF5 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 20 |       | (5) DQ-HER      | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 21 |       | (42) DQHER-REF6 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 22 |       | (43) DQHER-REF7 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 20.0 Secs<br>[==>]      | [1]   |
|                       | 23 |       | (44) DQHER-REF8 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |
|                       | 24 |       | (45) DQHER-REF9 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 8.0 Secs<br>[==>]       | [1]   |

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| Exposures (continued) | #  | Label | Target          | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups                | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|----|-------|-----------------|----------------------|---------------|--------------|---------------|-----------------------|-------------------------|-------|
|                       | 25 |       | (37) DQHER-REF1 | FGS, POS, 1          | F583W         |              | SAME POS AS 1 | Sequence 1-25 Non-Int | 10.0 Secs<br>[==>]      | [1]   |

