

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9008 - L2 Version 3
Chandra X-Ray Center

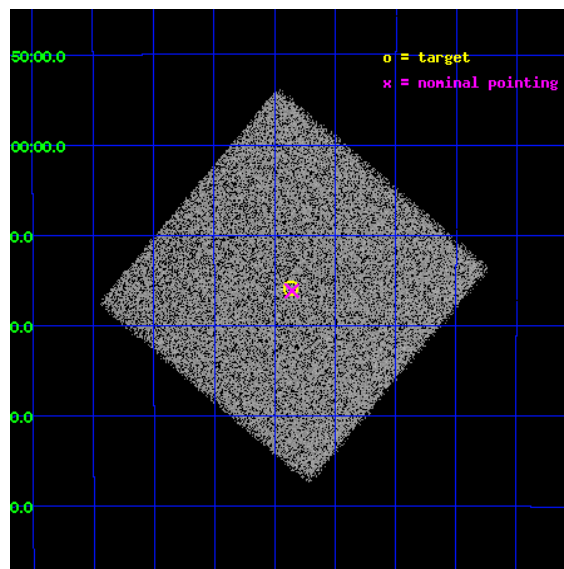
L2 Processing Date : Aug 12 2012

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1 Front

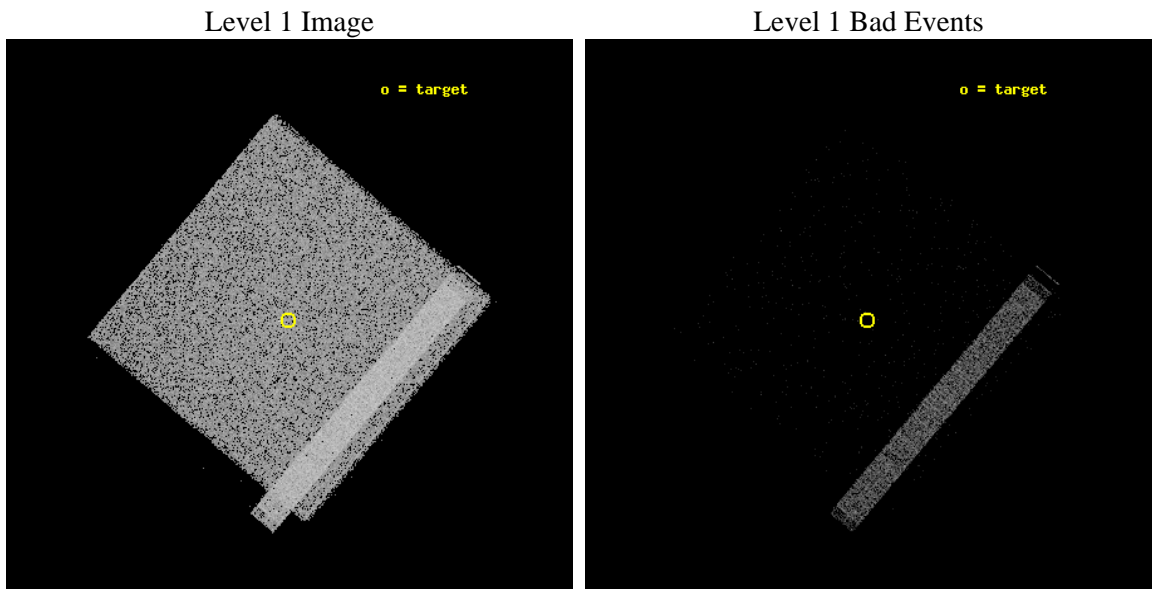
| | | |
|----------|--|---------------------------------------|
| seq_num | 400859 | Sequence number |
| obs_id | 9008 | Observation id |
| title | Faint persistent X-ray sources in the Galactic Bulge | Proposal titl |
| observer | Dr. Marc Klein-Wolt | Principal investigator |
| object | RXS J180326.2 | Source name |
| ra_targ | 270.841667 | Observer's specified target RA [deg] |
| dec_targ | -25.265611 | Observer's specified target Dec [deg] |
| ra_nom | 270.83935688133 | Nominal RA [deg] |
| dec_nom | -25.269419598172 | Nominal Dec [deg] |
| roll_nom | 265.20351523426 | Nominal Roll [deg] |
| revision | 3 | Processing version of data |
| ontime | 1065.2313024402 | [s] |
| livetime | 1053.5524344942 | Ontime multiplied by DTCOR |
| l2events | 70173 | Number of level 2 events |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|---|
| obi_num | 0 | Obi number | sched_exp_time | 1000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 1065.2313024402 | [s] |
| caldbver | 4.5.1.1 | | l1events | 133505 | Number of level 1 events |
| date | 2012-08-12T22:16:16 | Date and time of file creation | | | |
| revision | 3 | Processing version of data | | | |

2.1.3 Events

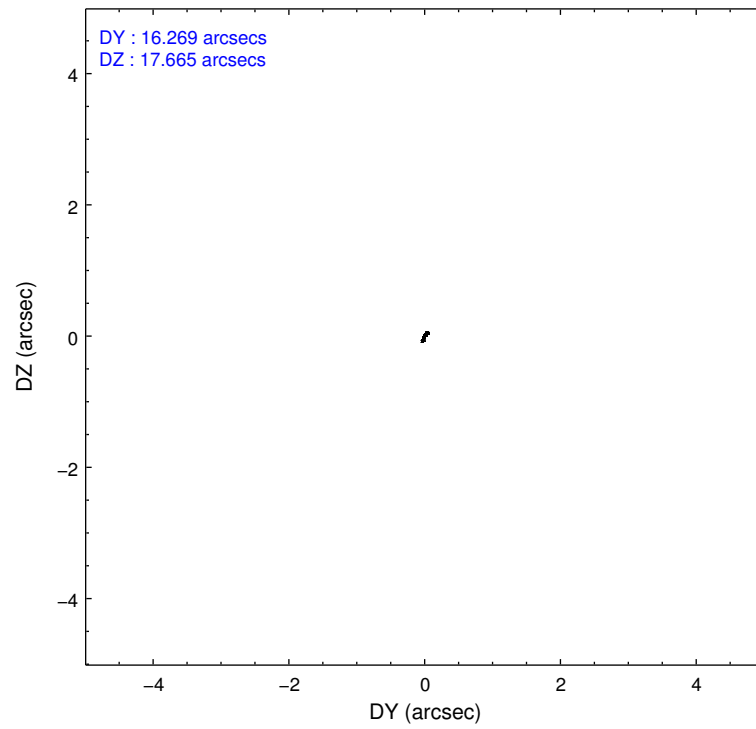
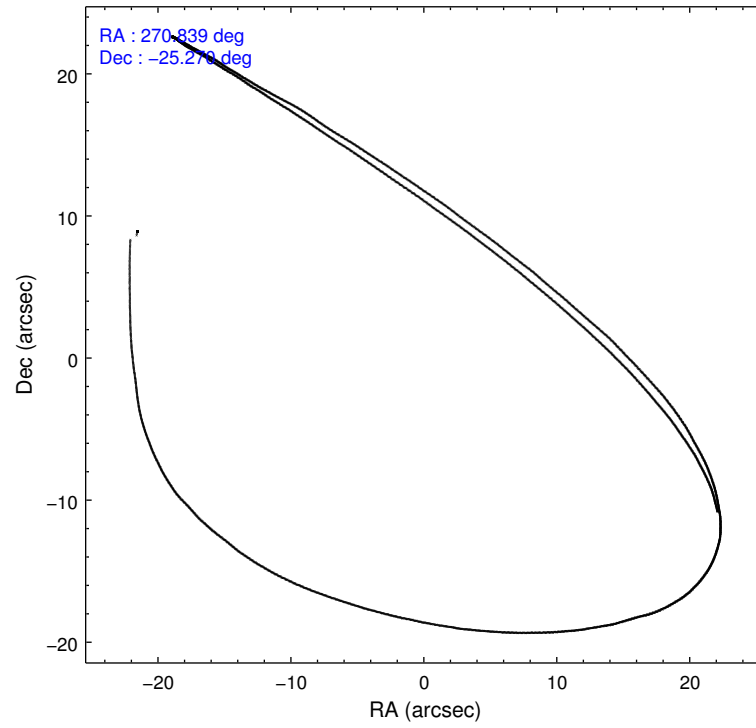
Level 1 Events

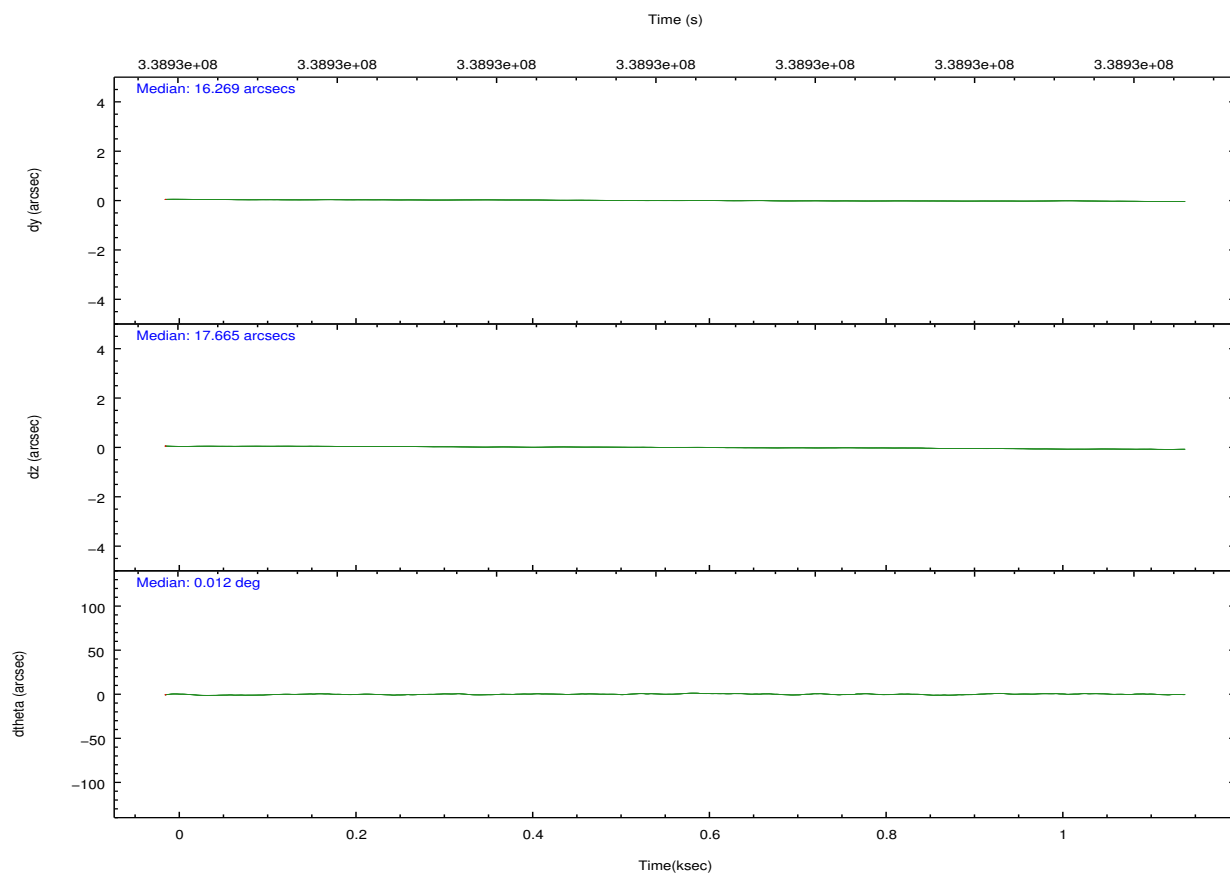
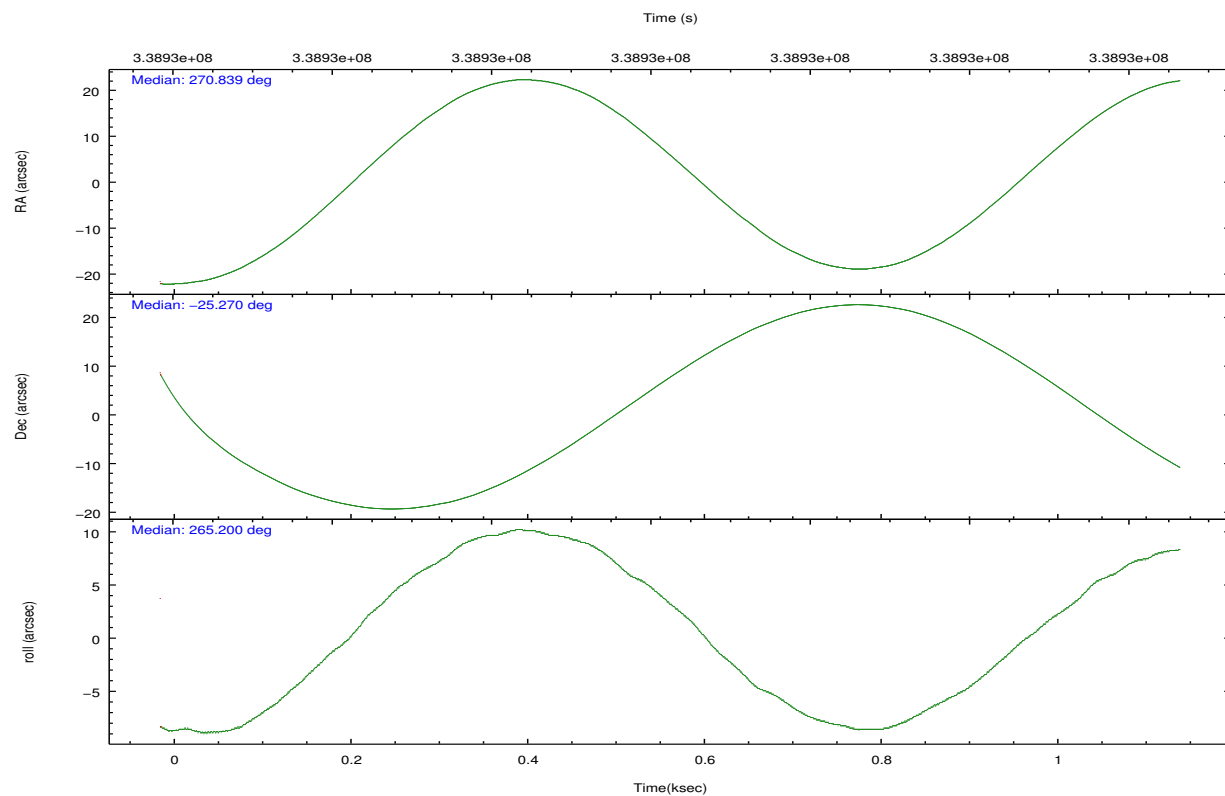
| | |
|-----------------|----------------------|
| | segment 0 |
| level 1 events | 133505 |
| rejected events | 31105 |
| rejected % | 23% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|------------------------------|-----------|---------|
| Instrument | HRC | HRC | Obspar format version number | 7 | 7 |
| Detector | HRC-I | HRC-I | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | OBSERVING | OBSERVING | | | |
| Observation mode | POINTING | POINTING | | | |
| [deg] Pointing RA | 270.826153 | 270.8393568813323 | | | |
| [deg] Pointing Dec | -25.245057 | -25.26941959817151 | | | |
| [deg] Pointing Roll | 265.293385 | 265.2035152342614 | | | |
| [mm] SIM focus pos | -1.040293 | -1.038866356238299 | | | |
| [mm] SIM defocus | 0 | 0.001426264420575141 | | | |
| [mm] SIM translation stage pos | 126.985494 | 126.9829799899862 | | | |
| [mm] SIM translation stage offset | 0 | 0.002508901615314585 | | | |
| [s] Observation start time (MET) | 338927787.184000 | 338926542.07911 | | | |
| Observation start date | 2008-09-27T18:35:22 | 2008-09-27T18:15:42 | | | |
| [s] Observation end time (MET) | 338928787.184000 | 338929693.44176 | | | |
| Observation end date | 2008-09-27T18:52:02 | 2008-09-27T19:08:13 | | | |

2.3 Aspect



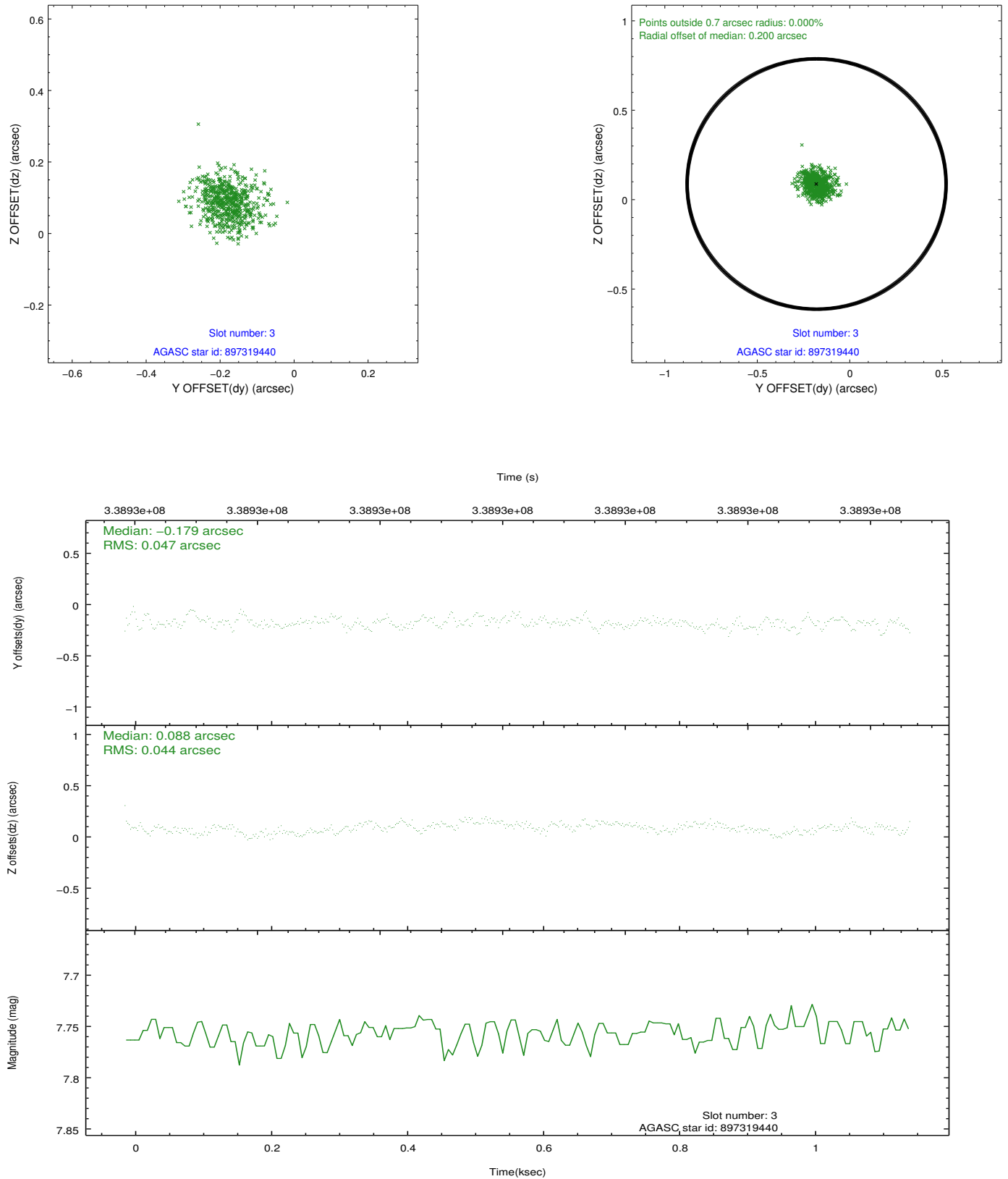


Slot Statistics

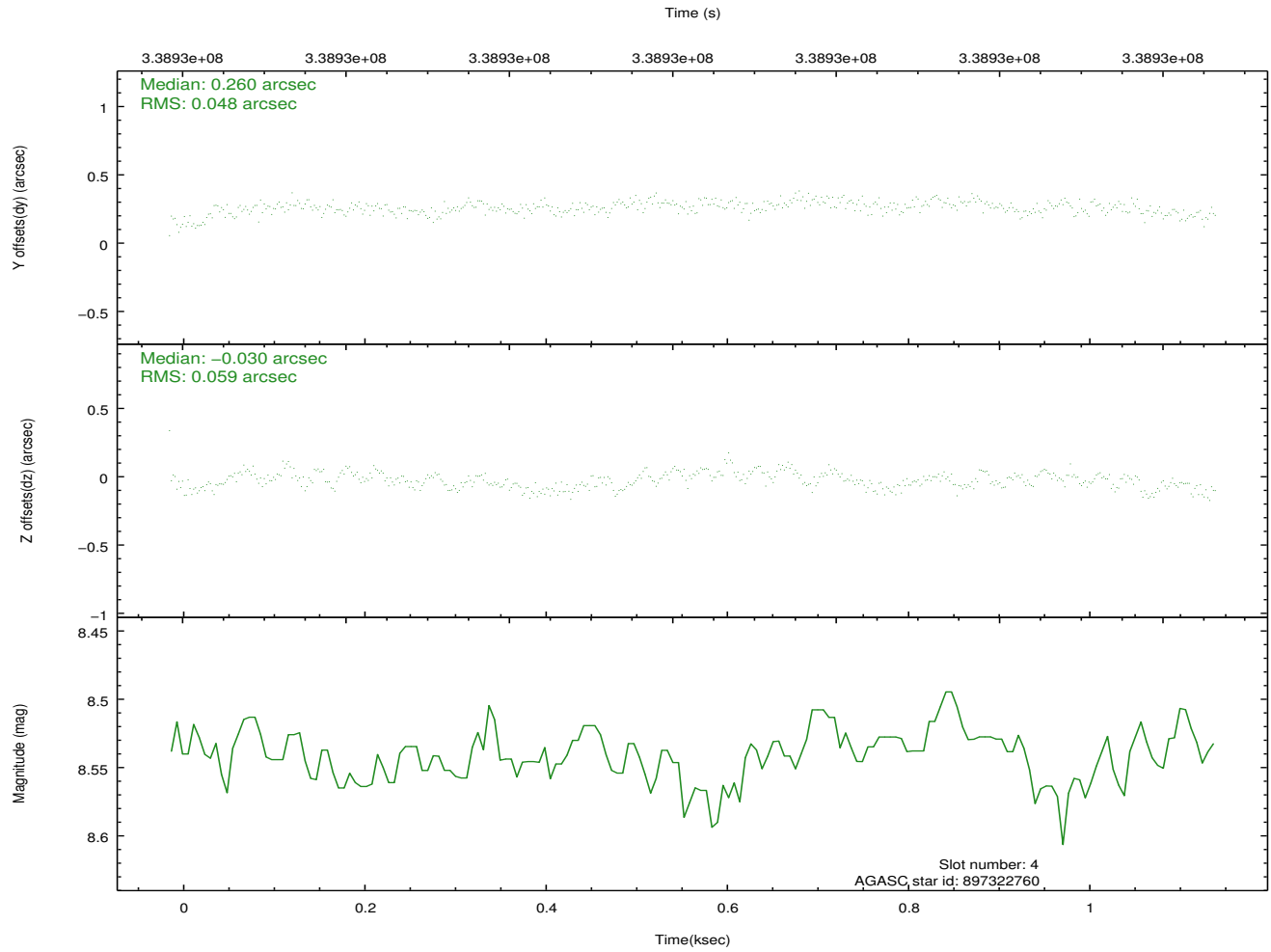
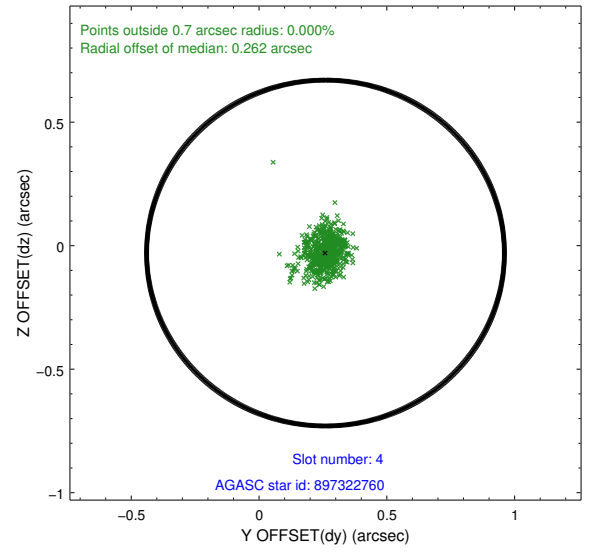
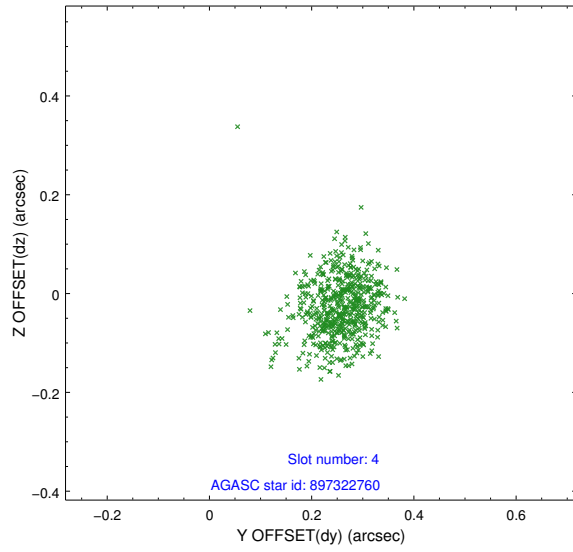
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | HRC-I-1 | 7.05 | 282 | 0.012 | -0.070 | 0.007 | 0.011 | 0.000000 | 0.000000 | -772.18 | -1305.83 |
| 1 | FID | HRC-I-3 | 7.14 | 282 | -0.123 | -0.019 | 0.008 | 0.015 | 0.000000 | 0.000000 | -1203.39 | 994.18 |
| 2 | FID | HRC-I-4 | 7.07 | 282 | 0.224 | -0.000 | 0.006 | 0.009 | 0.000000 | 0.000000 | 1266.70 | 999.79 |
| 3 | GUIDE | 897319440 | 7.76 | 564 | -0.179 | 0.088 | 0.069 | 0.112 | 271.242462 | -24.680808 | -2134.21 | 1191.71 |
| 4 | GUIDE | 897322760 | 8.54 | 564 | 0.260 | -0.030 | 0.081 | 0.130 | 270.988015 | -25.669699 | 1478.46 | 651.71 |
| 5 | GUIDE | 897324960 | 7.65 | 564 | -0.216 | -0.055 | 0.061 | 0.094 | 270.333871 | -24.632185 | -2061.16 | -1784.44 |
| 6 | GUIDE | 897325632 | 8.54 | 564 | 0.079 | -0.139 | 0.086 | 0.142 | 270.212330 | -24.788521 | -1472.15 | -2136.34 |
| 7 | GUIDE | 897328728 | 7.28 | 563 | 0.052 | 0.124 | 0.066 | 0.104 | 271.202031 | -25.605697 | 1193.07 | 1320.28 |

2.4 Star Slots

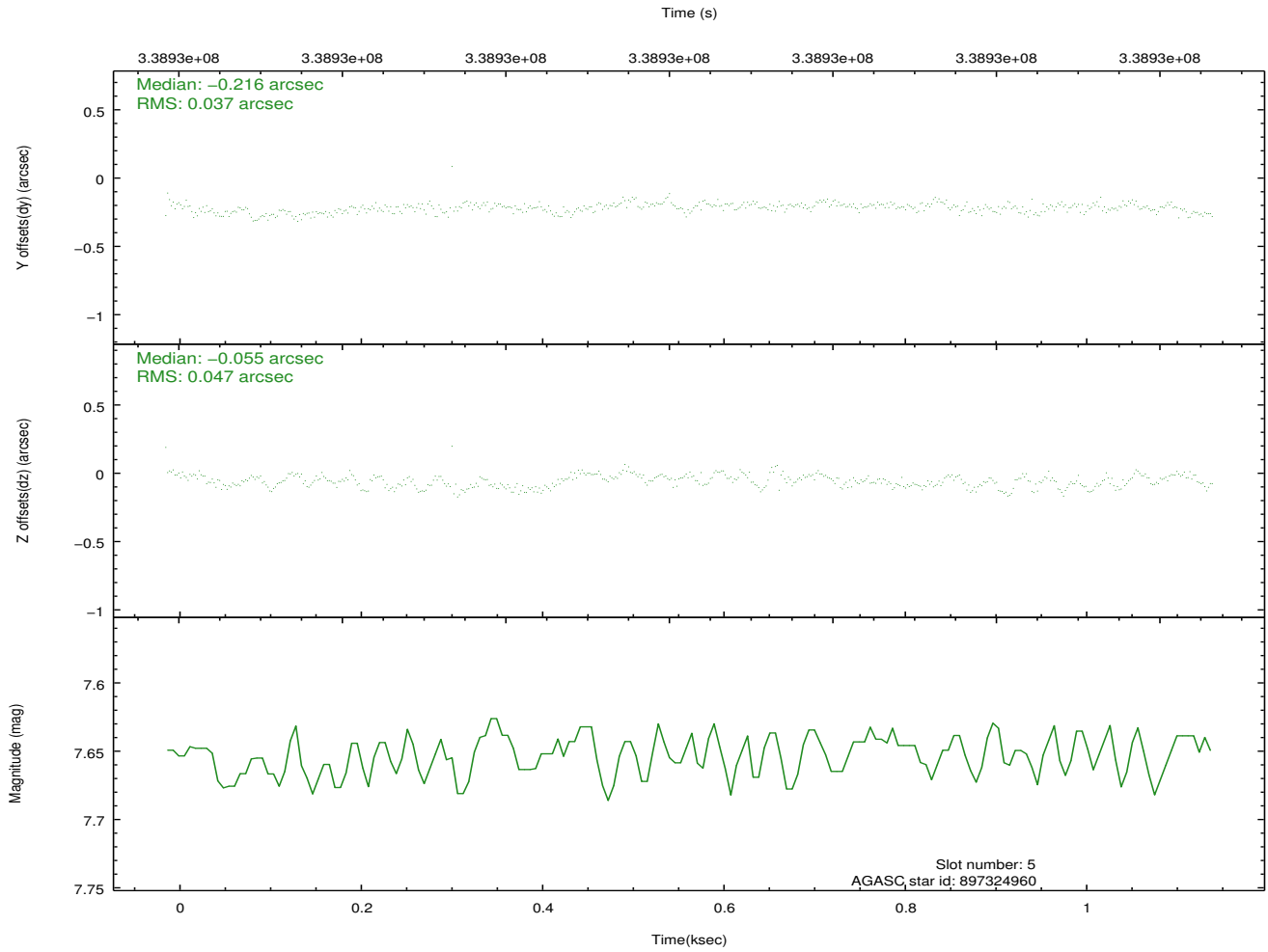
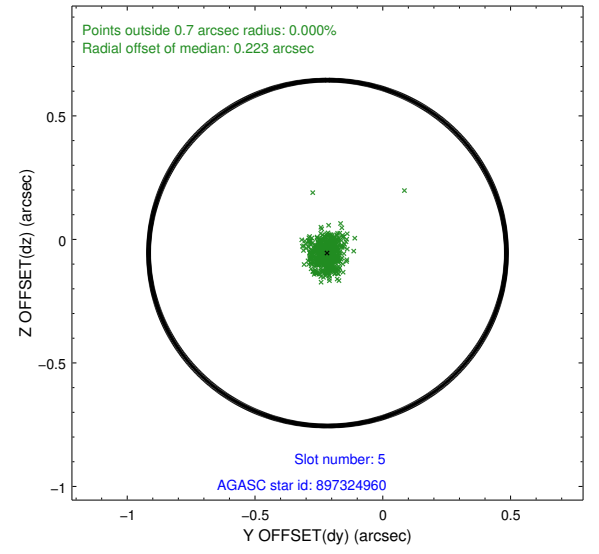
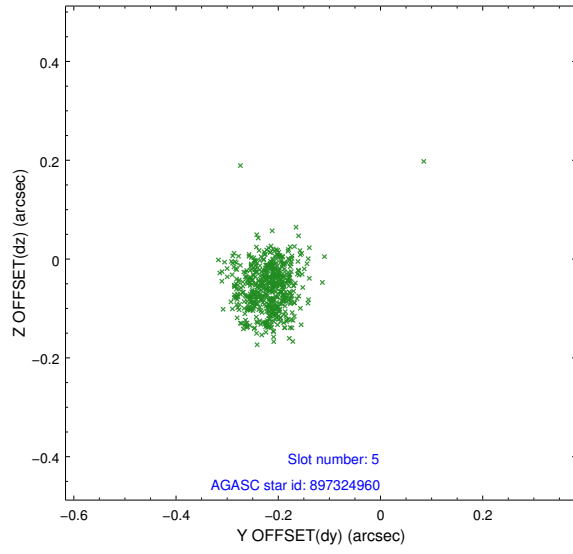
2.4.1 Slot 3



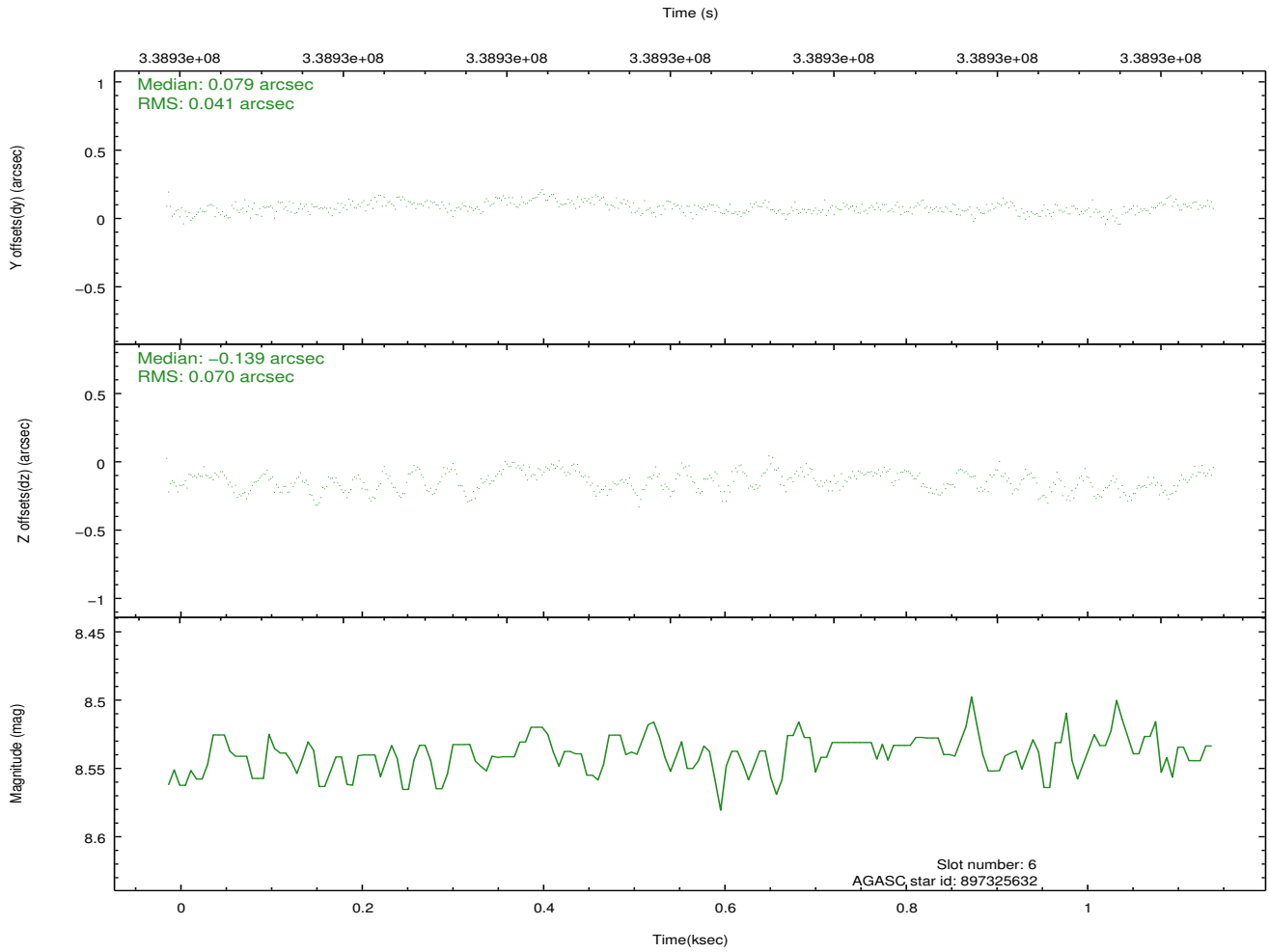
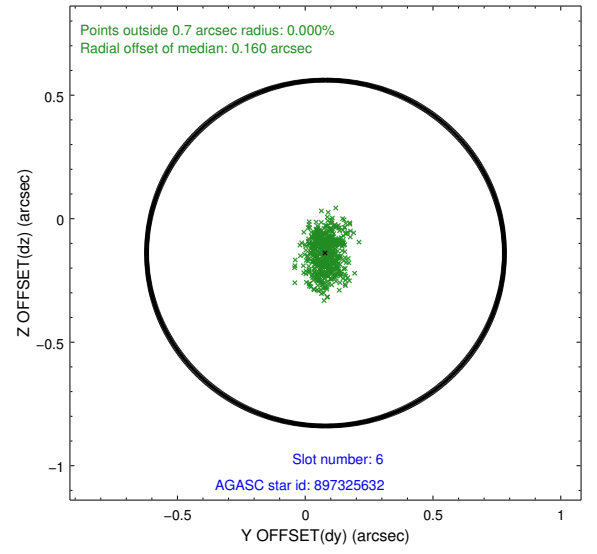
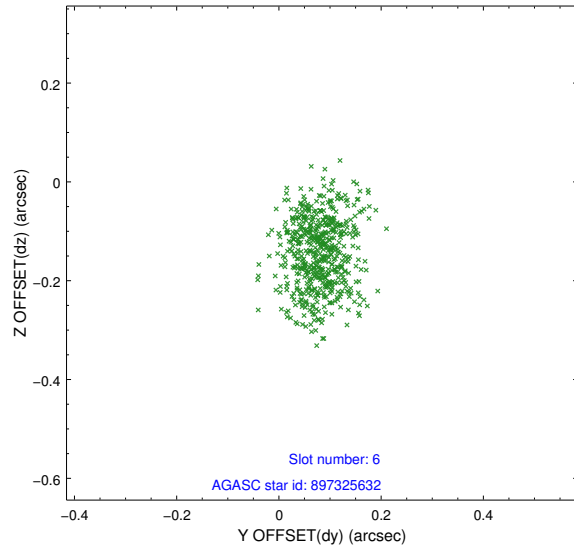
2.4.2 Slot 4



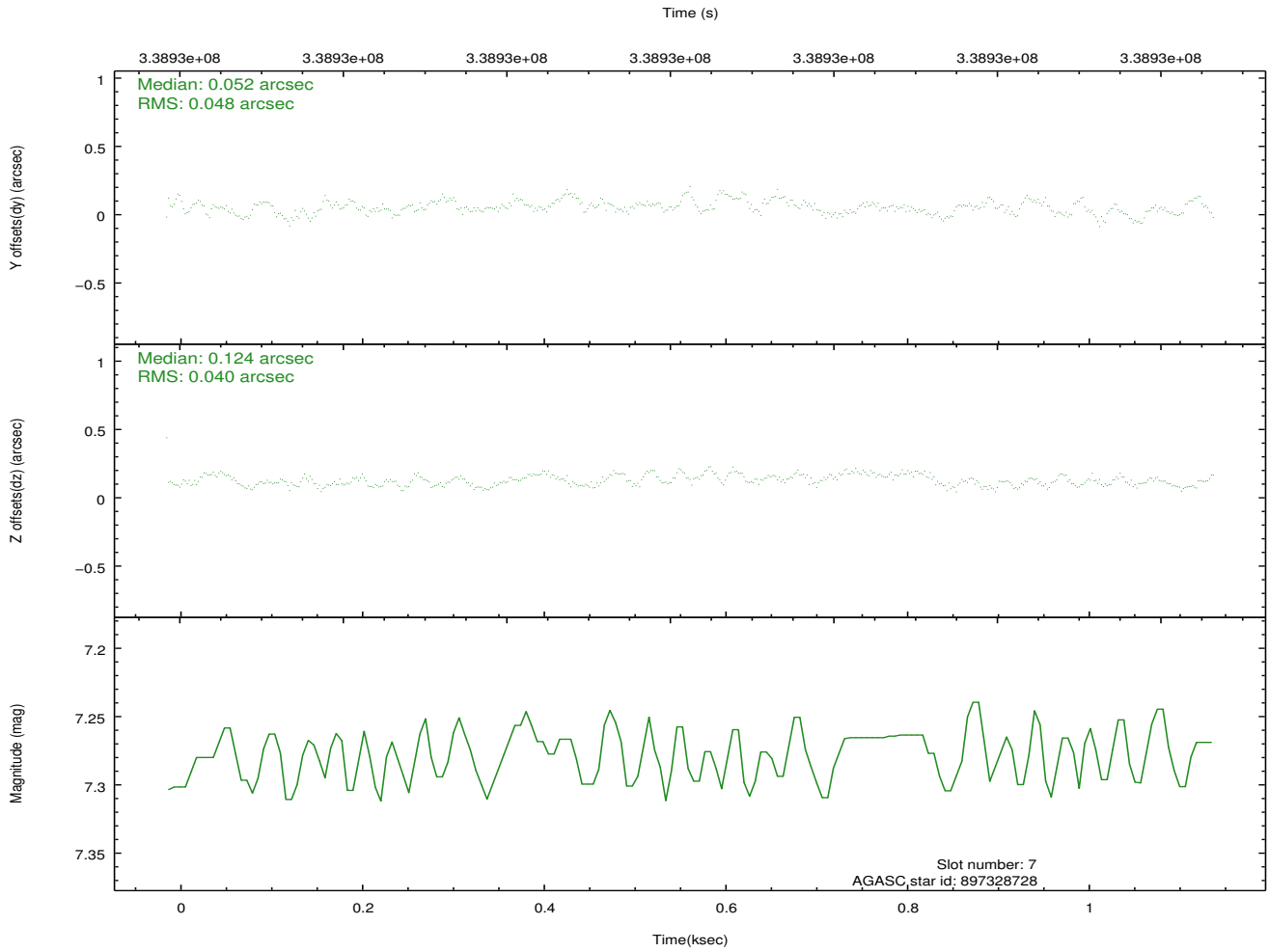
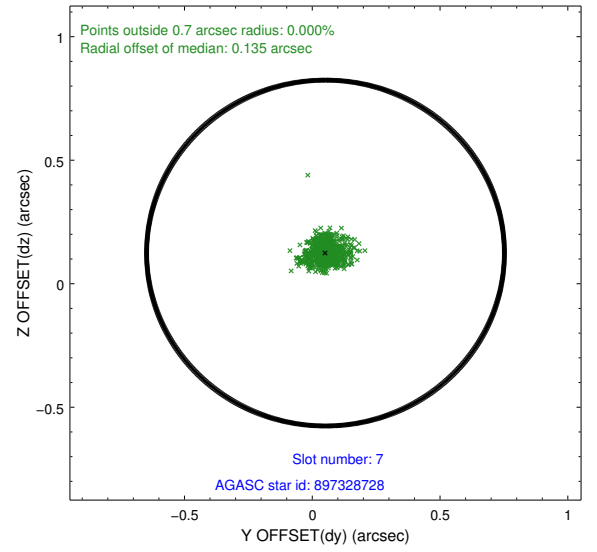
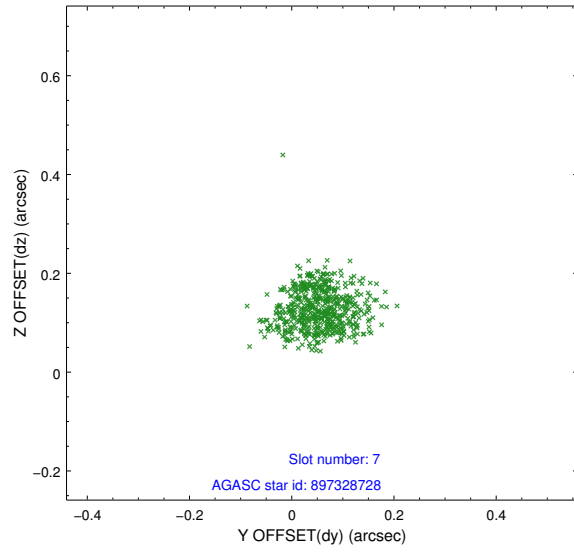
2.4.3 Slot 5



2.4.4 Slot 6

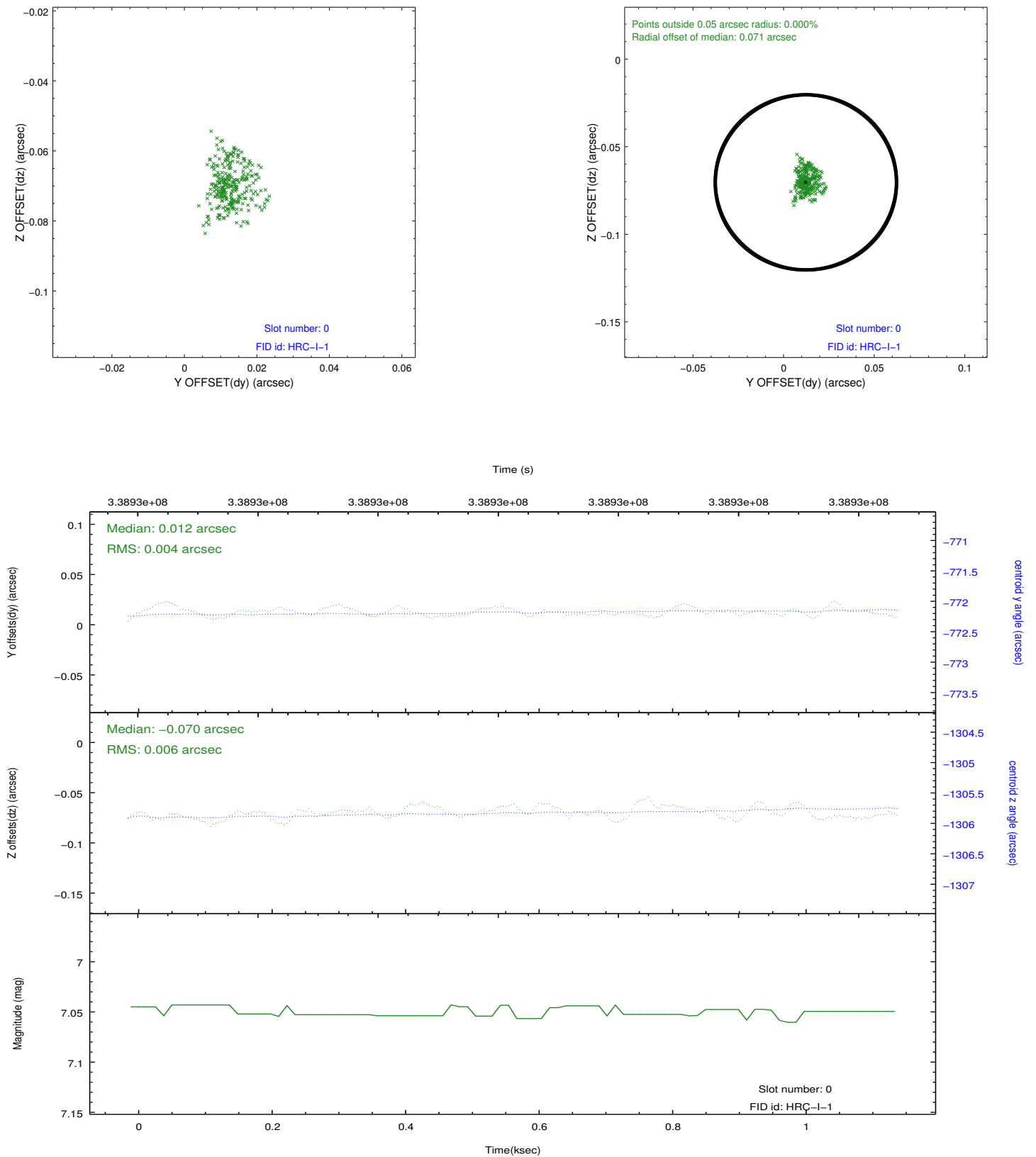


2.4.5 Slot 7

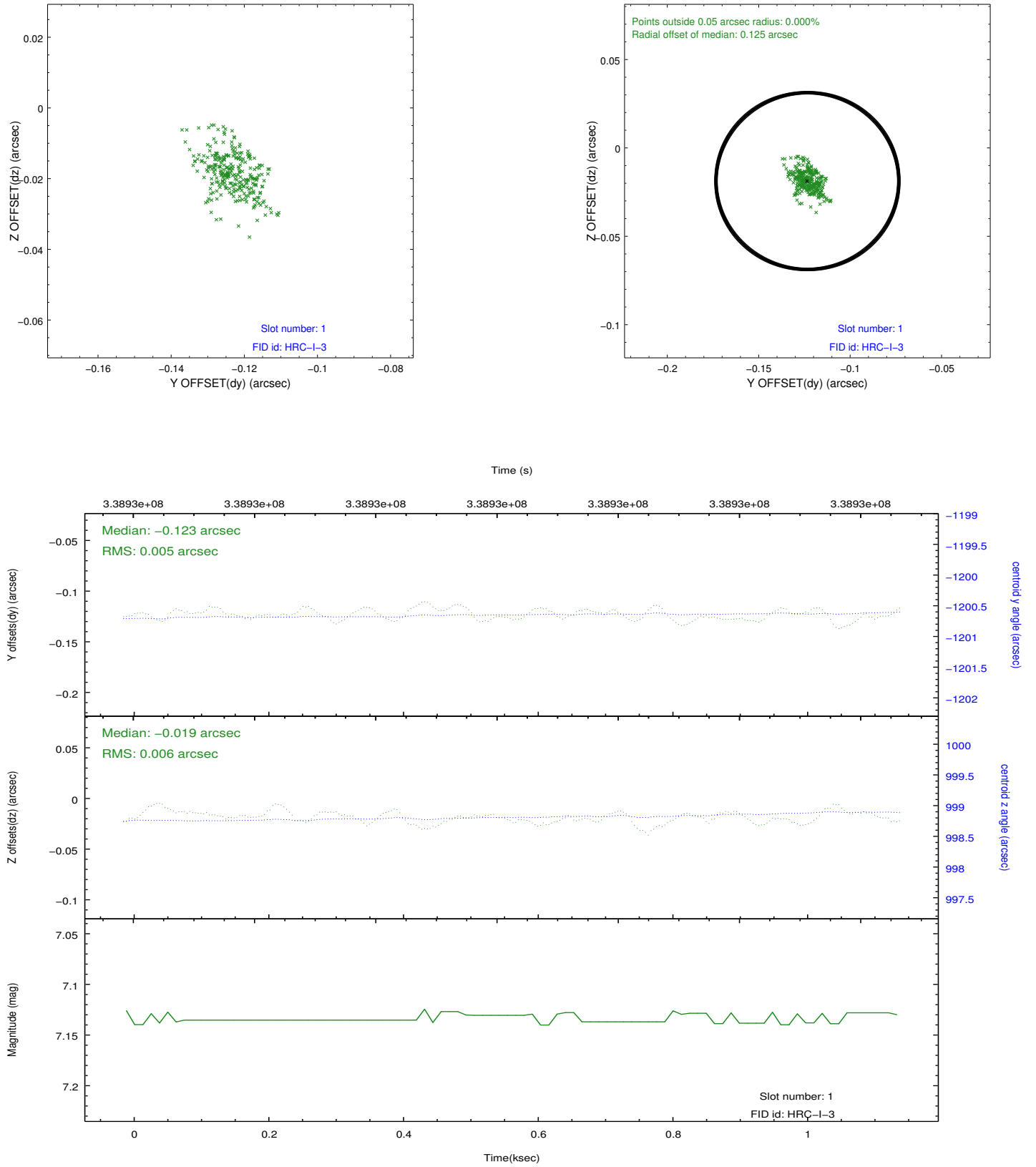


2.5 FID Slots

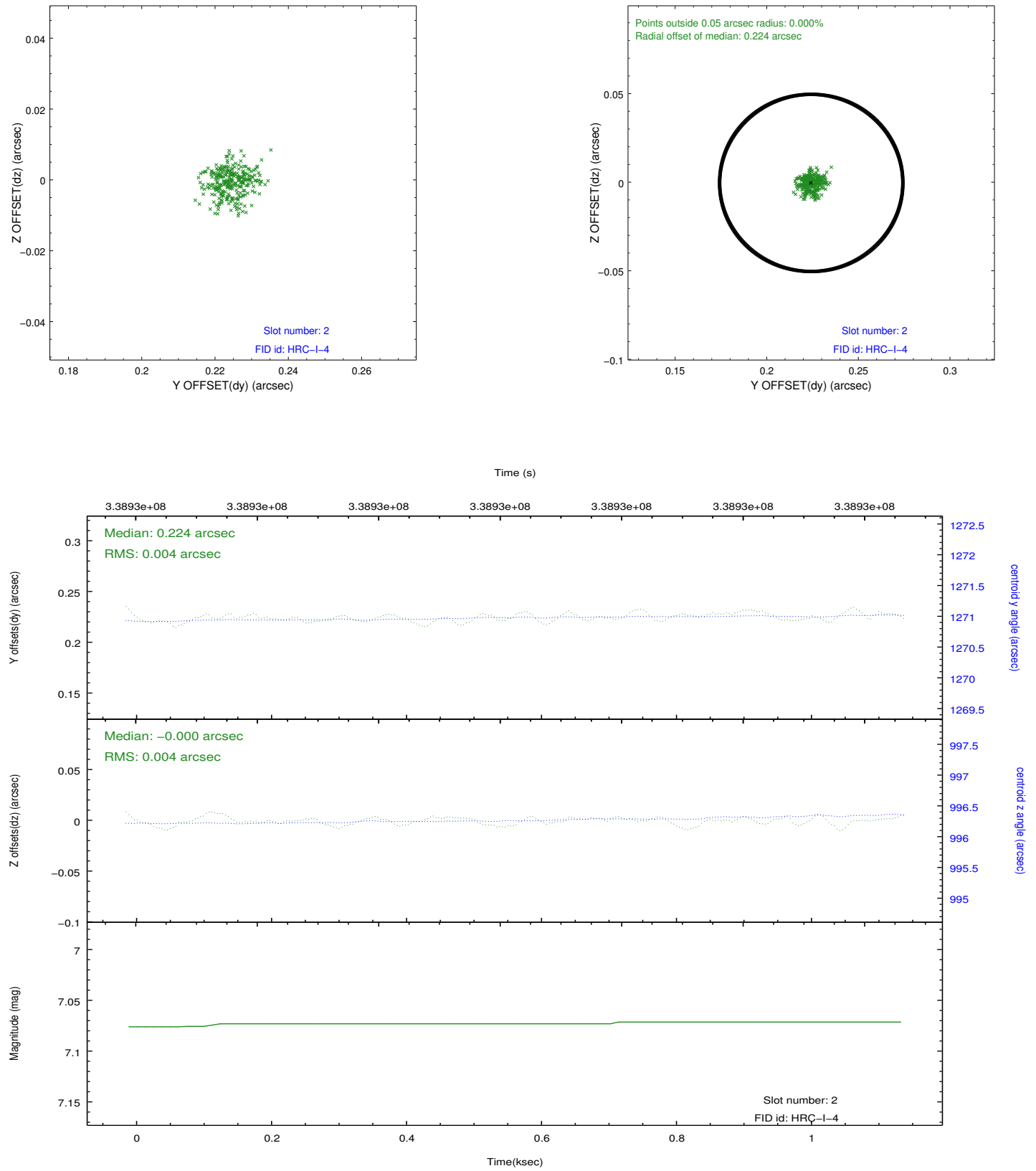
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2012.08.20 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.0652313 |

A.2 Comments