

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5537 - L2 Version 002
Chandra X-Ray Center

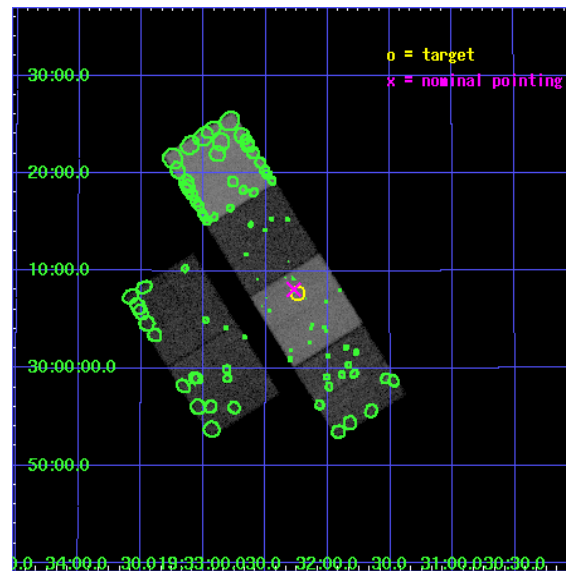
L2 Processing Date: Feb 25 2006

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1 Front

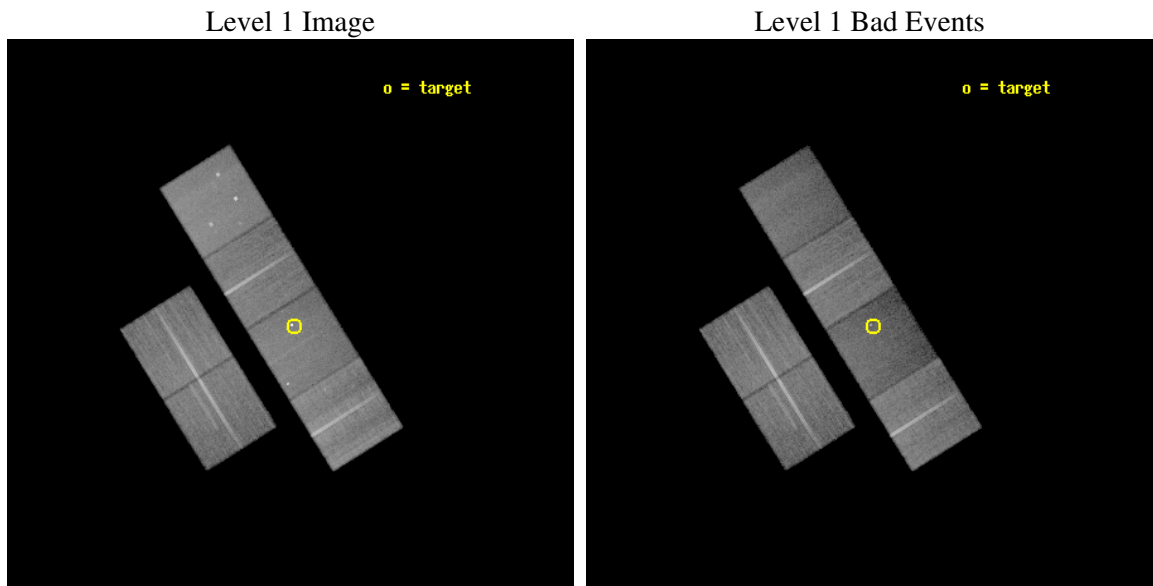
| | |
|----------|---|
| seq_num | 500530 |
| obs_id | 5537 |
| title | RX J193214.6+300741: A young supernova remnant in a low density medium? |
| observer | Dr. Fangjun Lu |
| object | RX J193214.6+300741 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 293.060833 |
| dec_targ | 30.128056 |
| ra_nom | 293.068300498 |
| dec_nom | 30.135214108853 |
| roll_nom | 58.100512978455 |
| revision | 2 |
| ontime | 35999.99986589 |
| livetime | 35544.14619099 |
| ontime2 | 35999.99986589 |
| ontime3 | 35996.758865714 |
| ontime5 | 35999.99986589 |
| ontime6 | 35996.758895636 |
| ontime7 | 35999.99986589 |
| ontime8 | 35996.758875698 |
| l2events | 308235 |



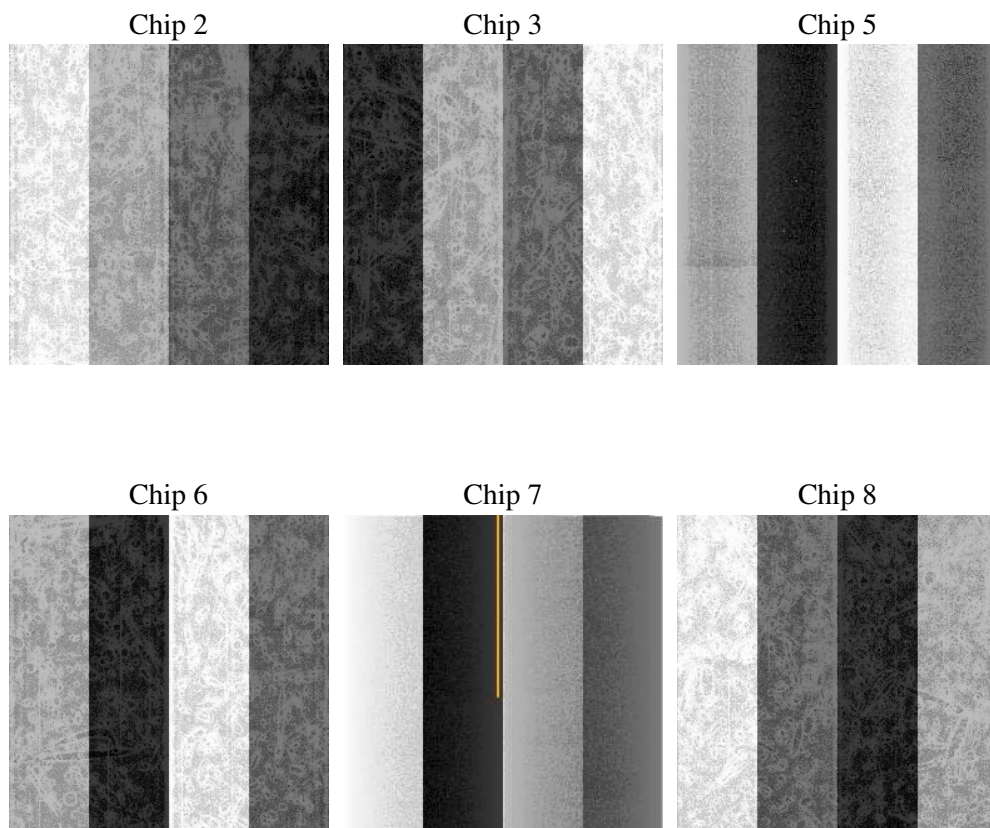
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7 |
| caldbver | 3.2.1 |
| date | 2006-02-25T11:24:49 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 36043.691000 |
| ontime | 36004.287110716 |
| ontime2 | 36004.287110716 |
| ontime3 | 36001.046110541 |
| ontime5 | 36004.287130624 |
| ontime6 | 36001.046140462 |
| ontime7 | 36004.287110716 |
| ontime8 | 36001.046120524 |
| l1events | 1378050 |

2.1.4 Events

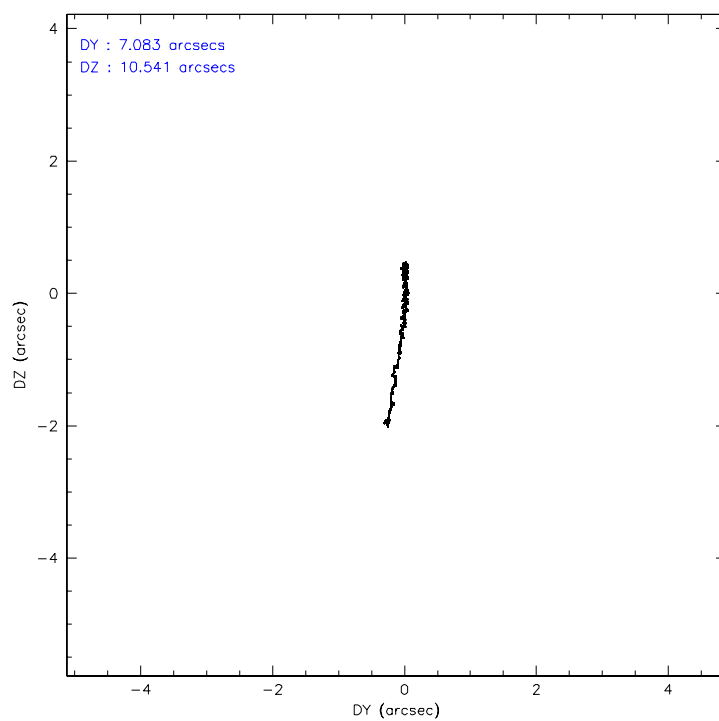
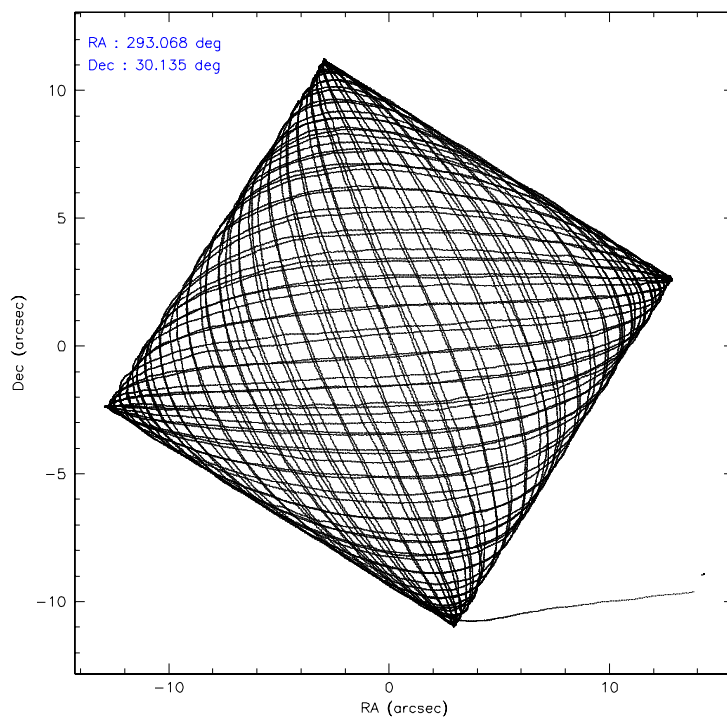
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 224399 | 201291 | 263938 | 214148 | 209443 | 264831 |
| rejected events | 202495 | 180724 | 125834 | 190550 | 107852 | 198142 |
| rejected % | 90% | 89% | 47% | 88% | 51% | 74% |

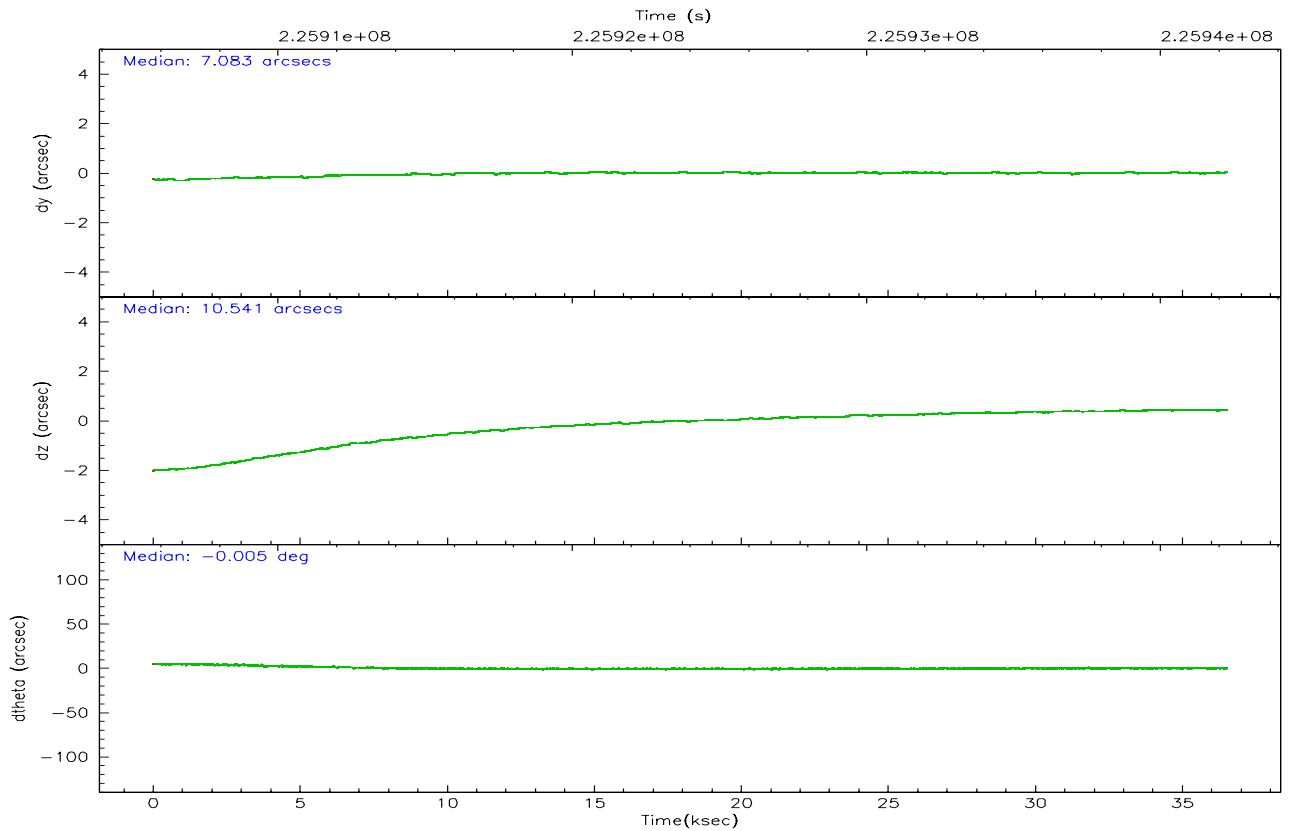
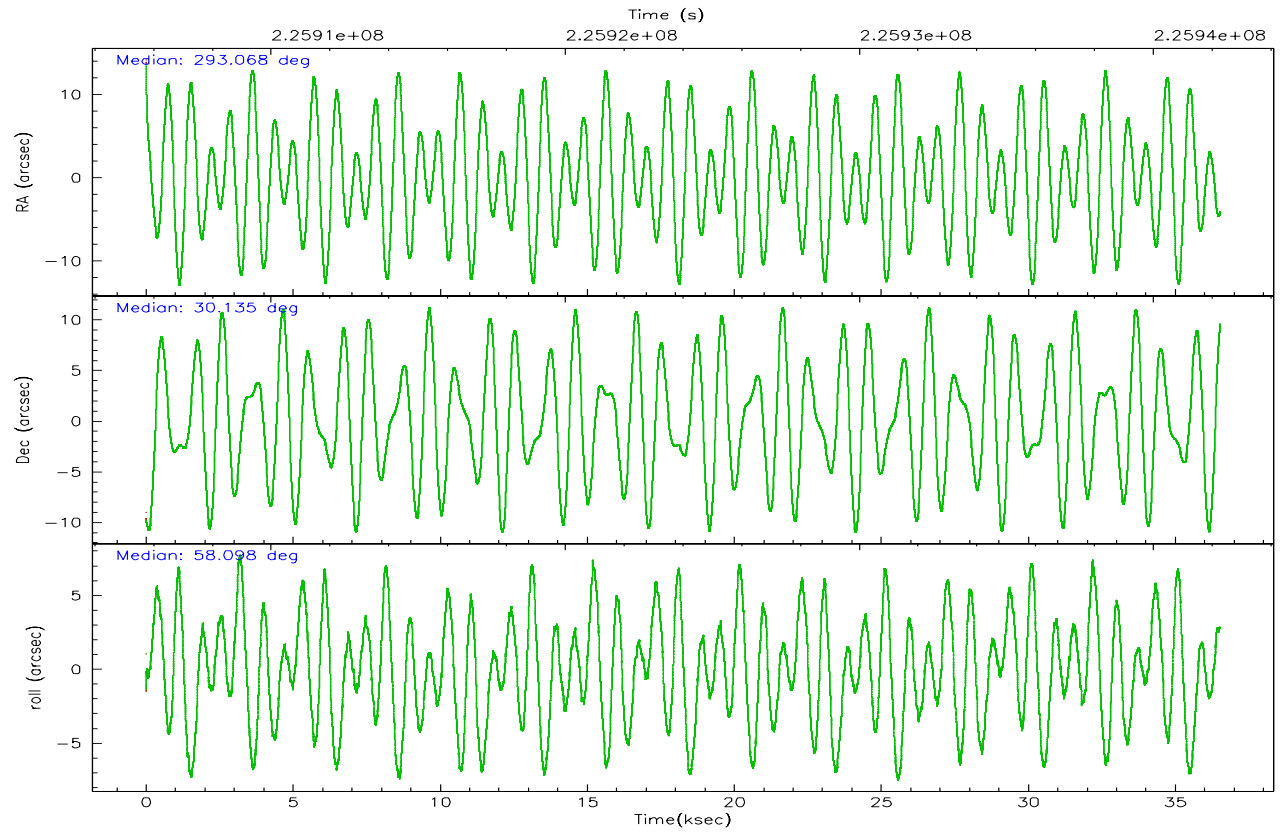
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|----------------|--------|--------|--------|--------|-------|--------|
| grade 0 events | 8982 | 8216 | 13467 | 10029 | 9647 | 20294 |
| | 4% | 4% | 5% | 4% | 4% | 7% |
| grade 1 events | 129 | 96 | 153 | 120 | 159 | 195 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 4986 | 4197 | 43956 | 4714 | 26386 | 14918 |
| | 2% | 2% | 16% | 2% | 12% | 5% |
| grade 3 events | 2230 | 2236 | 4262 | 2460 | 6848 | 7255 |
| | 0% | 1% | 1% | 1% | 3% | 2% |
| grade 4 events | 2264 | 2235 | 3955 | 2225 | 6591 | 6889 |
| | 1% | 1% | 1% | 1% | 3% | 2% |
| grade 5 events | 6056 | 7005 | 14313 | 7125 | 15837 | 10792 |
| | 2% | 3% | 5% | 3% | 7% | 4% |
| grade 6 events | 3446 | 3686 | 72483 | 4176 | 52136 | 17345 |
| | 1% | 1% | 27% | 1% | 24% | 6% |
| grade 7 events | 196306 | 173620 | 111349 | 183299 | 91839 | 187143 |
| | 87% | 86% | 42% | 85% | 43% | 70% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-235678 | ACIS-235678 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | VFAINT | VFAINT | On-chip summing requested | N | N |
| Observation mode | POINTING | POINTING | Subarray requested | NONE | NONE |
| Pointing RA | 293.067702 | 293.0683004980023 | Alternating exposures requested | N | N |
| Pointing Dec | 30.108019 | 30.13521410885299 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 57.944185 | 58.1005129784545 | | | |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | | | |
| SIM defocus (mm) | 0 | 0.001444936568705701 | | | |
| SIM translation stage pos (mm) | -190.132523 | -190.1425803651734 | | | |
| SIM translation stage offset (mm) | 0 | 0.01005778216563158 | | | |
| Observation start time | 225906223.184000 | 225905057.512 | | | |
| Observation start date | 2005-02-27T15:42:39 | 2005-02-27T15:24:17 | | | |
| Observation end time | 225942267.184000 | 225942492.5637 | | | |
| Observation end date | 2005-02-28T01:43:23 | 2005-02-28T01:48:12 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



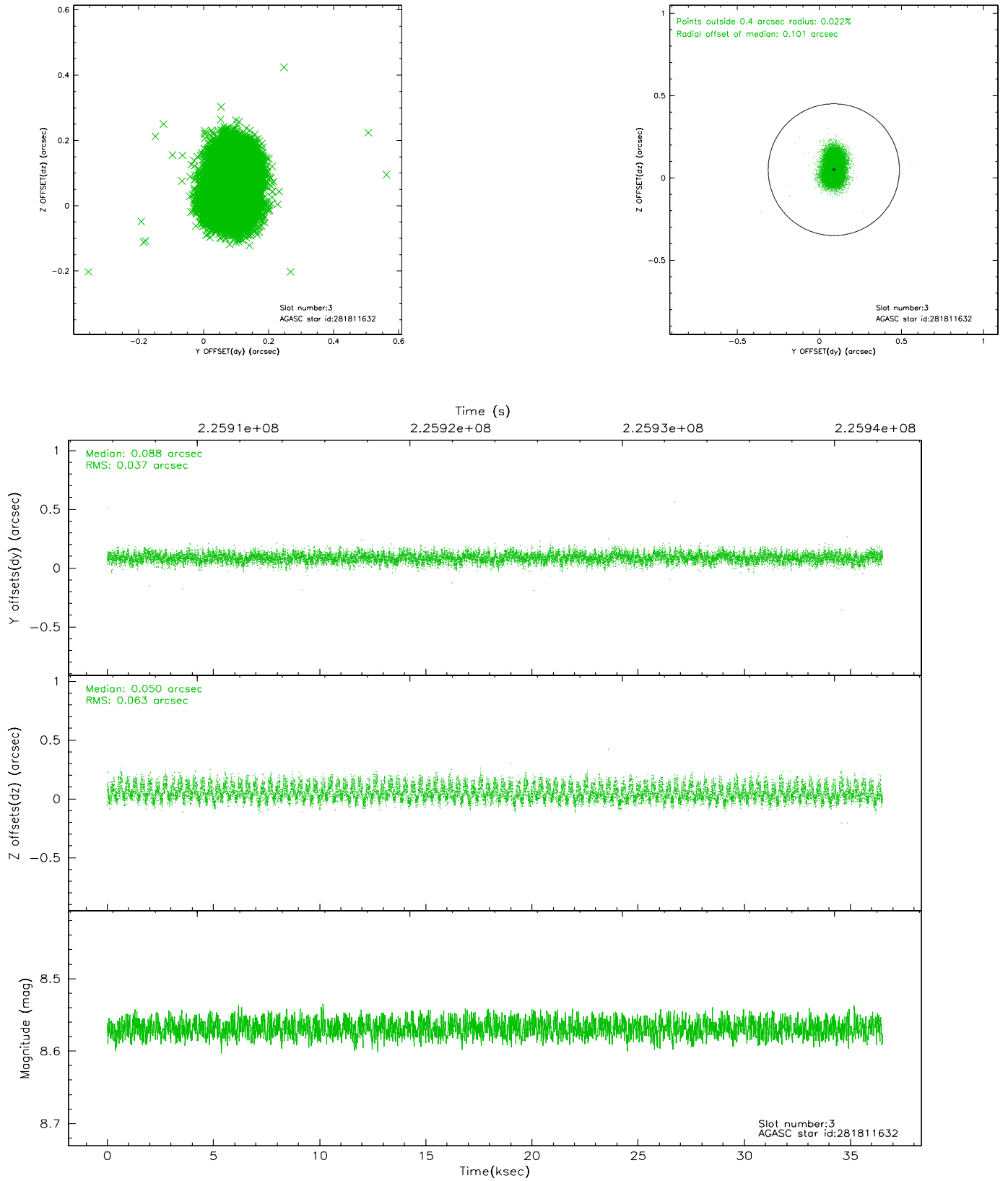


Slot Statistics

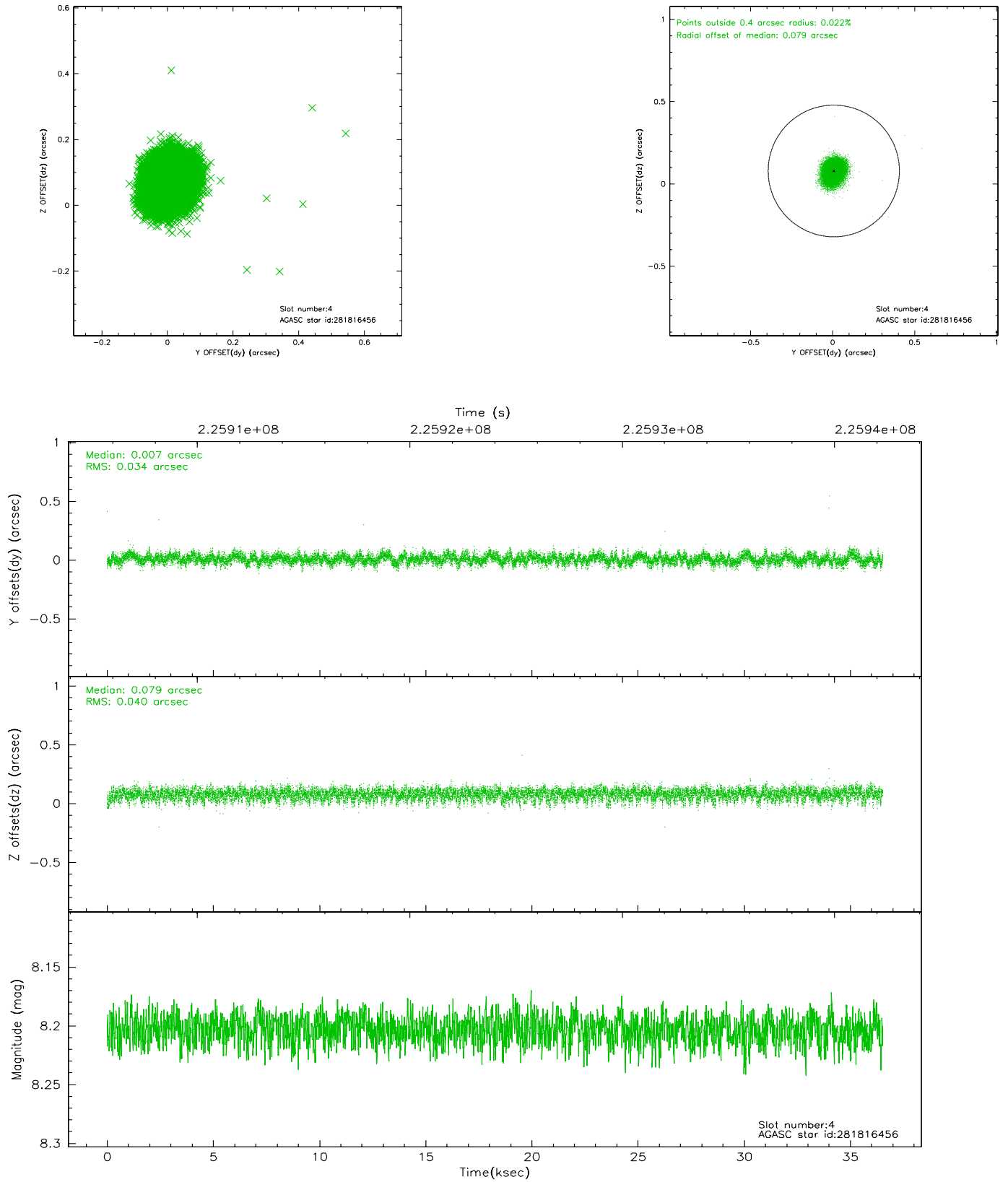
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.10 | 8910 | -0.034 | 0.004 | 0.012 | 0.032 | 0.000000 | 0.000000 | -759.80 | -1731.49 |
| 1 | FID | ACIS-S-4 | 7.21 | 8910 | 0.038 | 0.016 | 0.008 | 0.013 | 0.000000 | 0.000000 | 2153.50 | 177.03 |
| 2 | FID | ACIS-S-5 | 7.23 | 8910 | -0.036 | -0.011 | 0.009 | 0.029 | 0.000000 | 0.000000 | -1812.64 | 170.64 |
| 3 | GUIDE | 281811632 | 8.57 | 17814 | 0.088 | 0.050 | 0.078 | 0.124 | 293.312173 | 29.710666 | -805.63 | -1406.47 |
| 4 | GUIDE | 281816456 | 8.20 | 17814 | 0.007 | 0.079 | 0.056 | 0.091 | 293.134806 | 29.851343 | -671.69 | -667.85 |
| 5 | GUIDE | 281817520 | 9.16 | 17812 | 0.064 | 0.020 | 0.083 | 0.132 | 293.098850 | 29.639023 | -1378.95 | -978.64 |
| 6 | GUIDE | 348027672 | 8.93 | 17816 | -0.153 | -0.162 | 0.060 | 0.098 | 293.028842 | 30.787352 | 2008.92 | 1399.92 |
| 7 | GUIDE | 348018632 | 8.79 | 17810 | -0.004 | 0.014 | 0.064 | 0.105 | 293.088798 | 30.882026 | 2396.49 | 1424.05 |

2.4 Star Slots

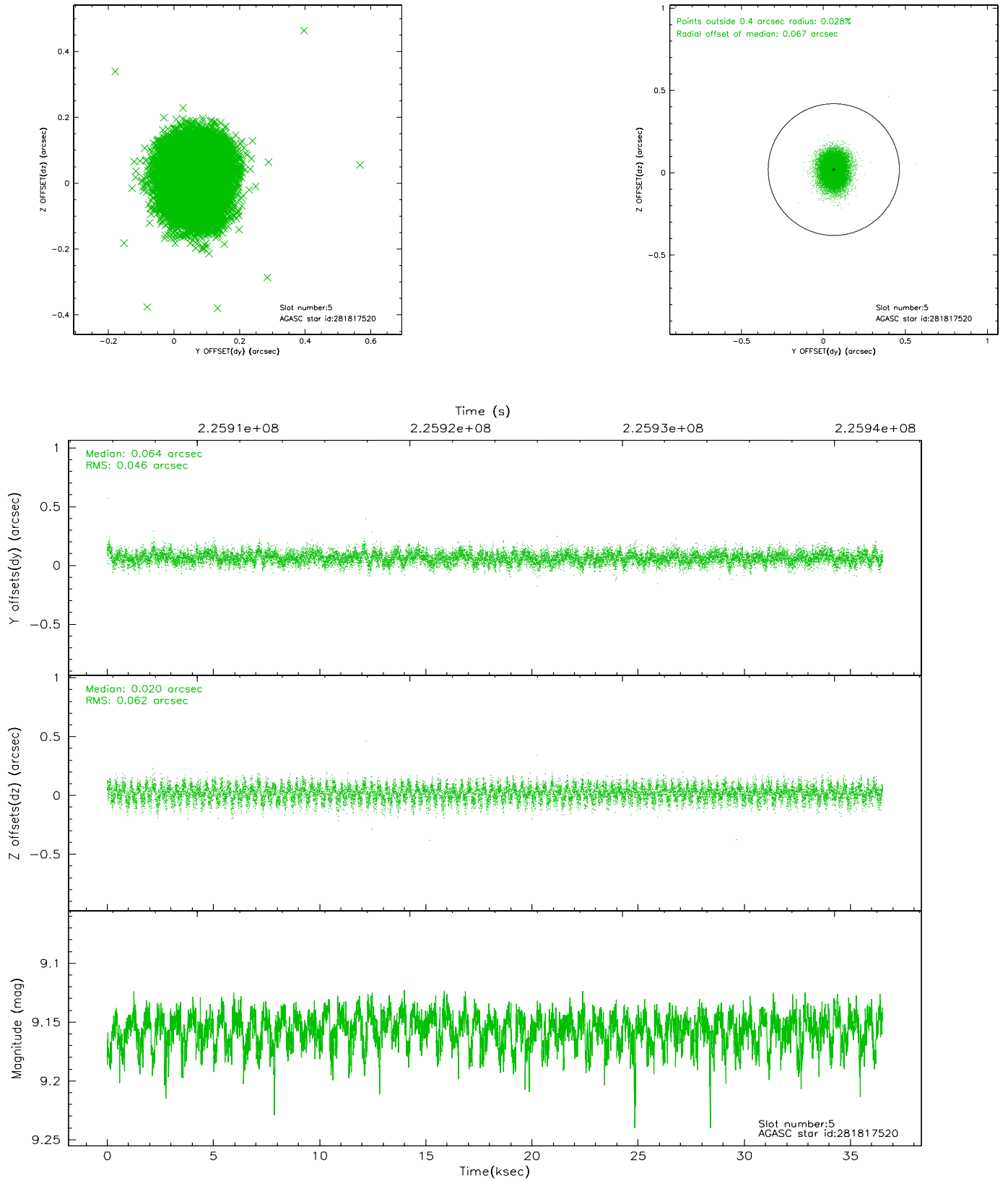
2.4.1 Slot 3



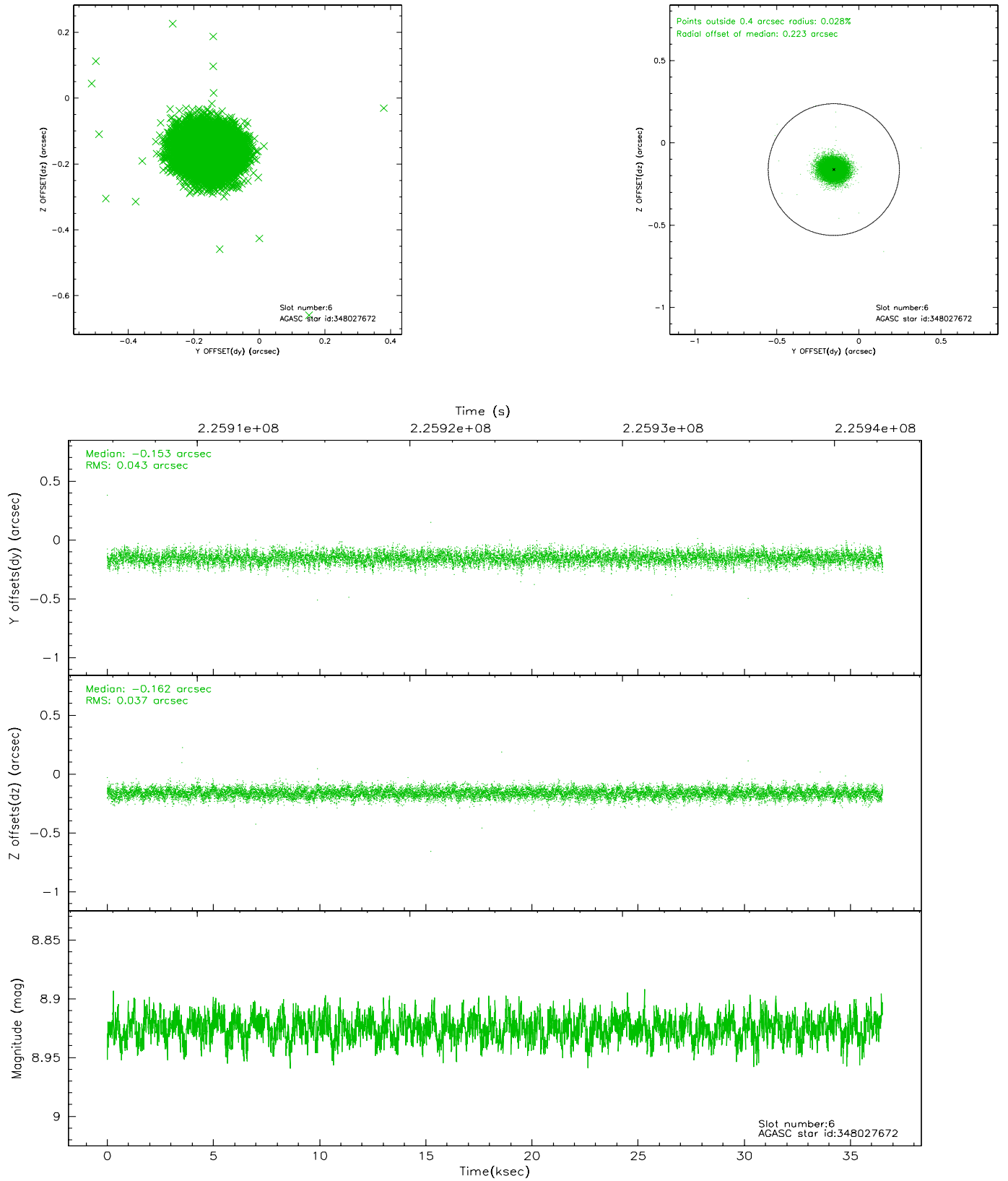
2.4.2 Slot 4



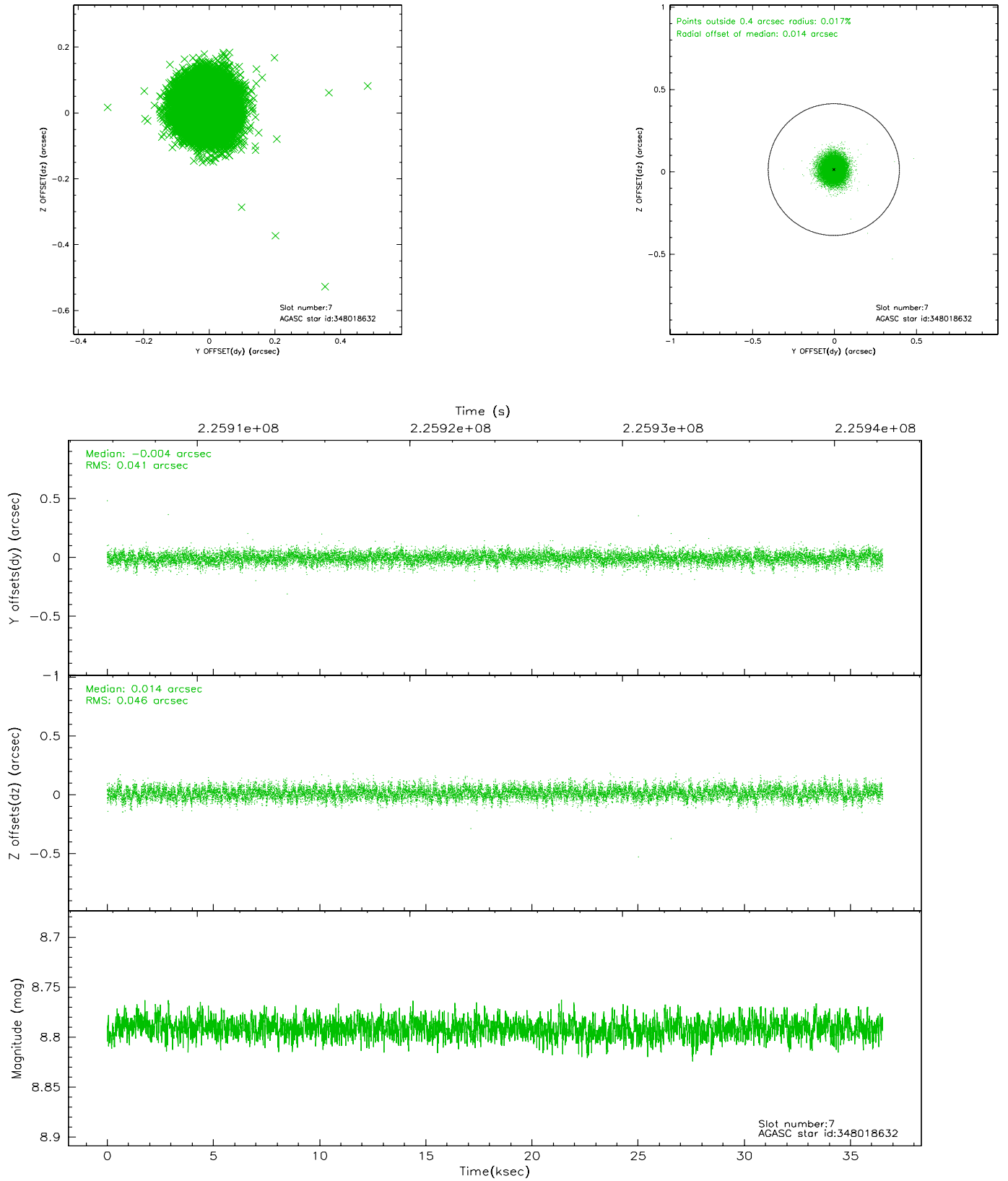
2.4.3 Slot 5



2.4.4 Slot 6

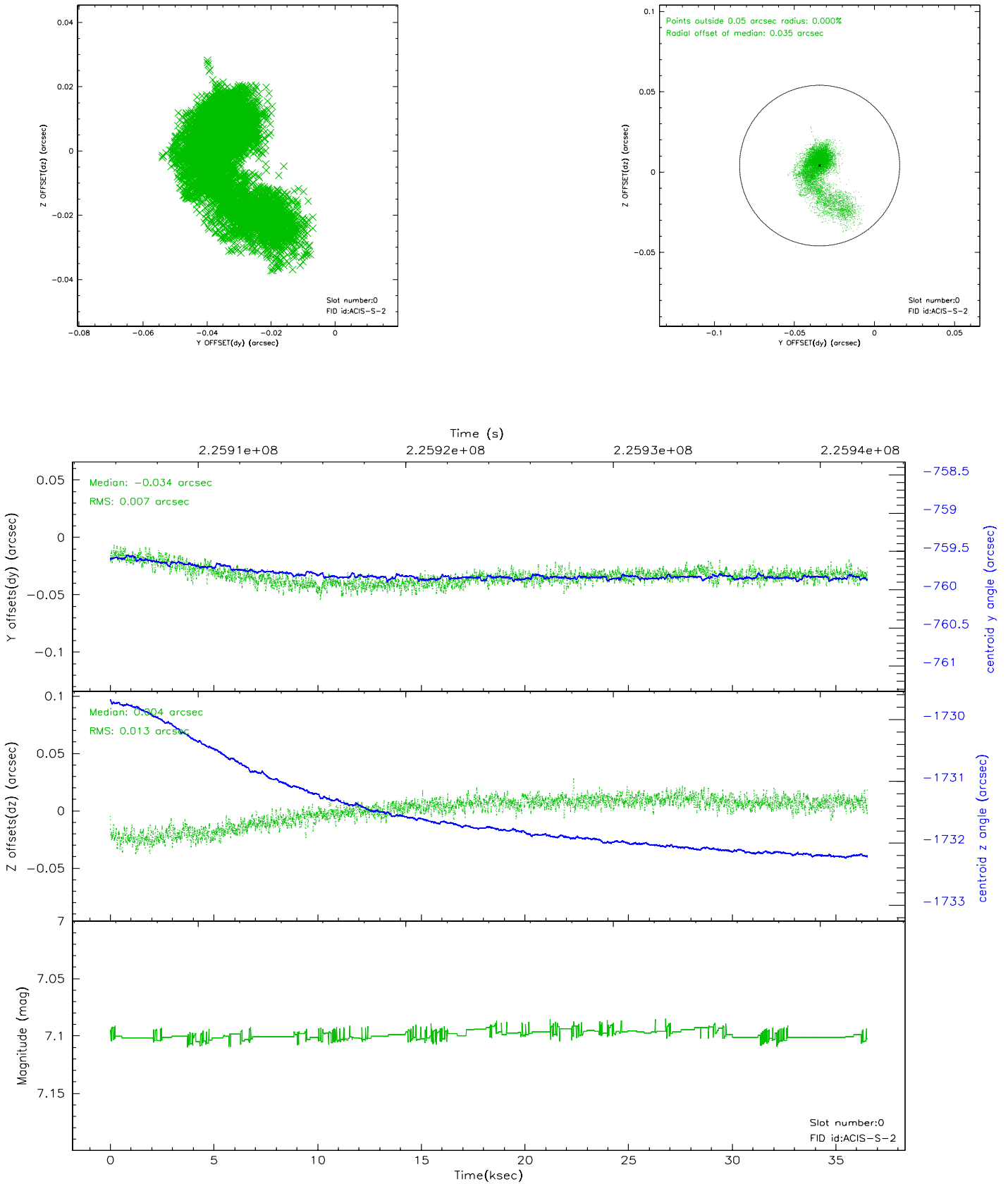


2.4.5 Slot 7

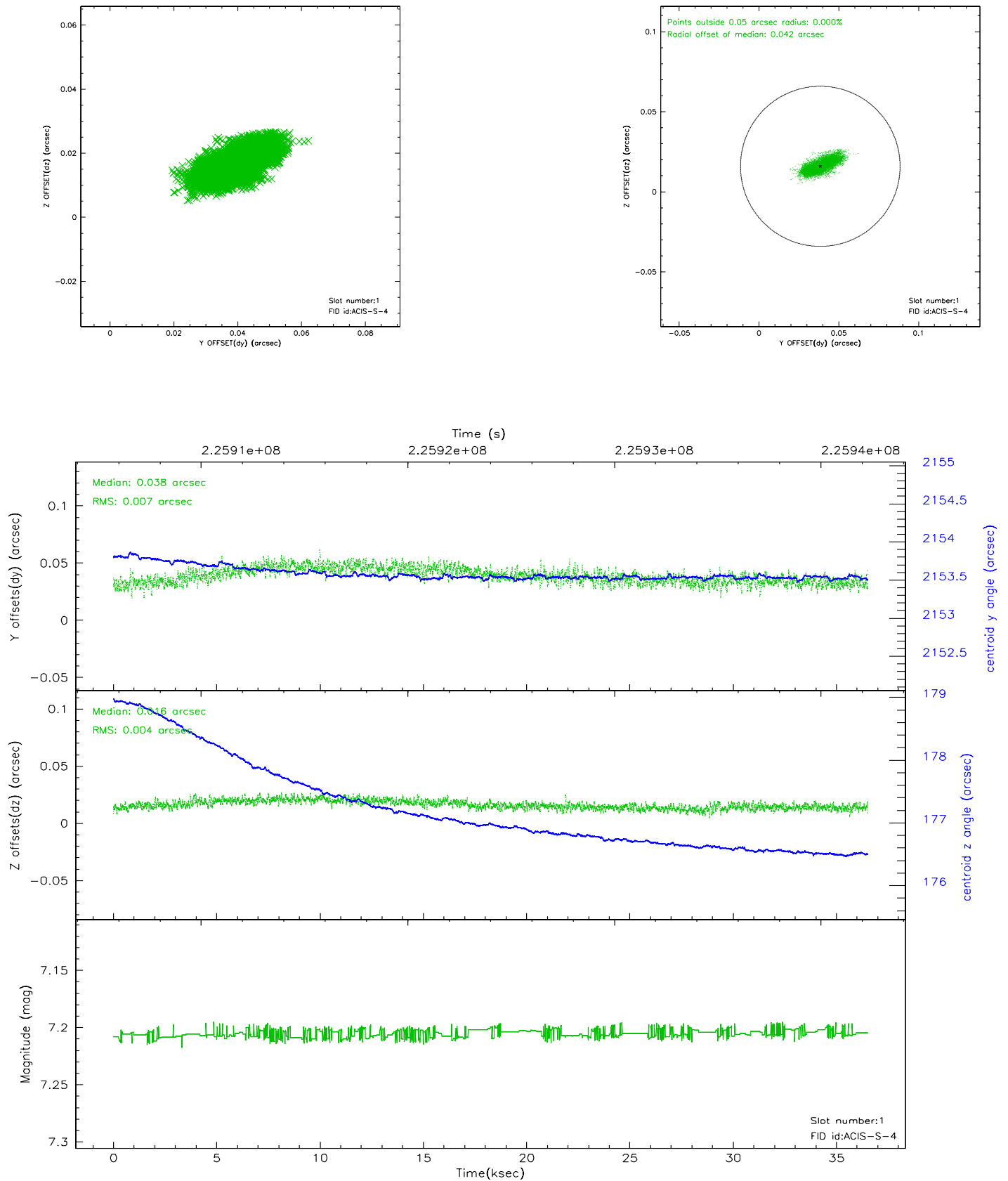


2.5 FID Slots

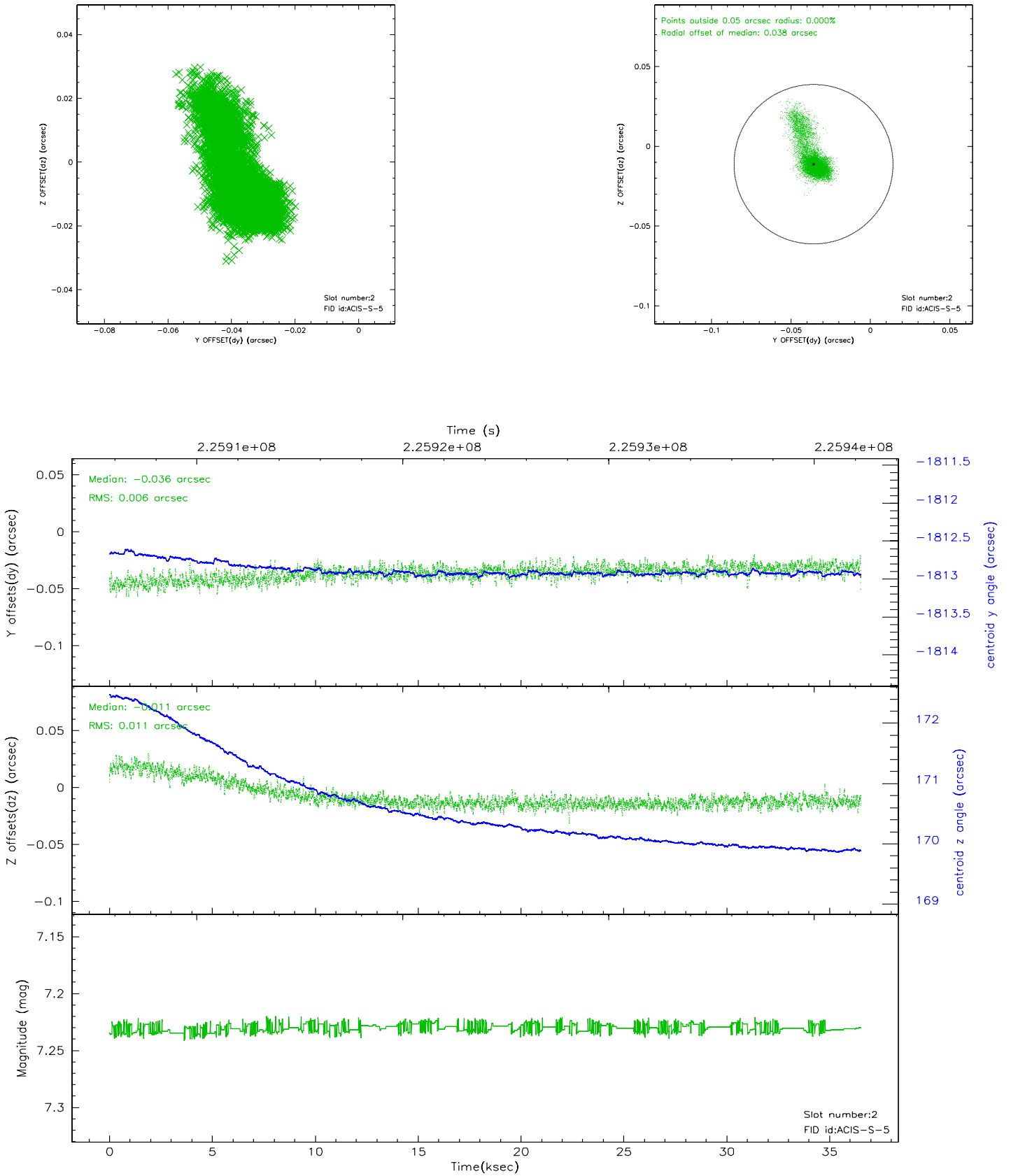
2.5.1 Slot 0



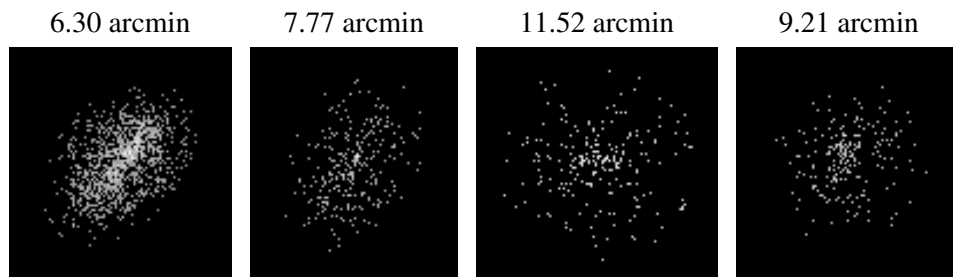
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|-------------|
| V&V Scientist | Doug Morgan |
| V&V Date (YYYY-MM-DD) | 2006.02.26 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 35.99999 |

A.2 Comments