

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5652 - L2 Version 002
Chandra X-Ray Center

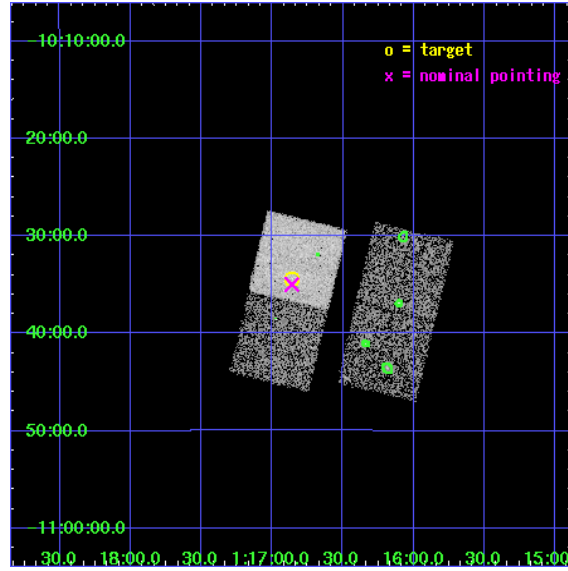
L2 Processing Date: Feb 21 2006

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1 Front

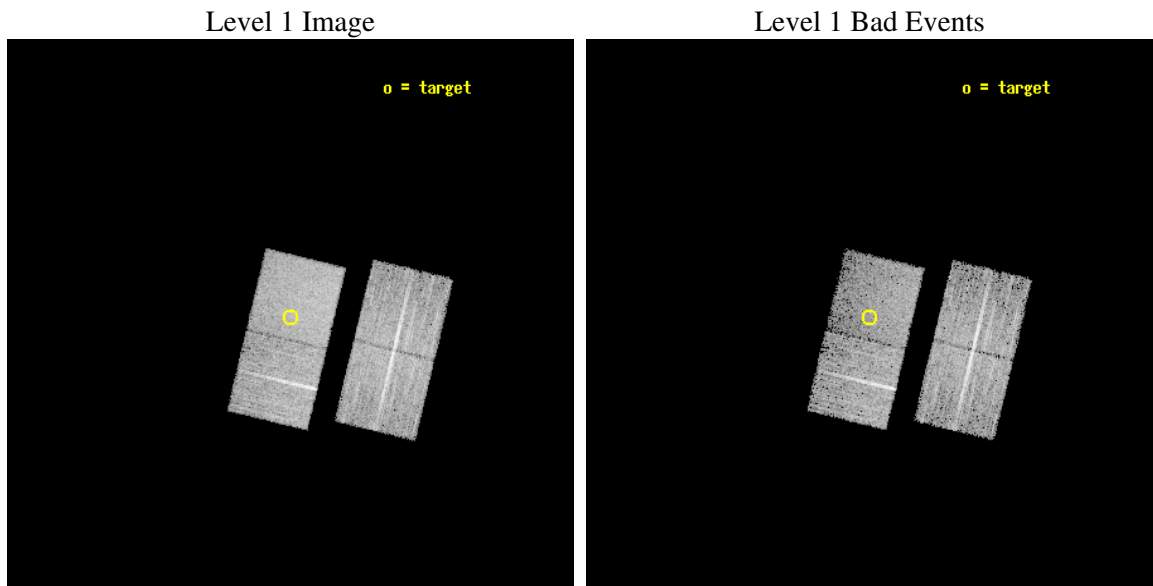
| | |
|----------|---|
| seq_num | 701075 |
| obs_id | 5652 |
| title | The Spectral Energy Distribution and Fe II Emission in Intermediate-Redshift Narrow-line Seyfert 1 Galaxies |
| observer | PROF. KAREN LEIGHLY |
| object | SDSS J011651.54-103424.3 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 19.214583 |
| dec_targ | -10.573417 |
| ra_nom | 19.215193349262 |
| dec_nom | -10.583073321011 |
| roll_nom | 283.52235996456 |
| revision | 2 |
| ontime | 8456.7999837399 |
| livetime | 8346.3056661467 |
| ontime2 | 8453.6590134799 |
| ontime3 | 8456.7999837399 |
| ontime6 | 8456.7999837399 |
| ontime7 | 8456.7999837399 |
| l2events | 35992 |



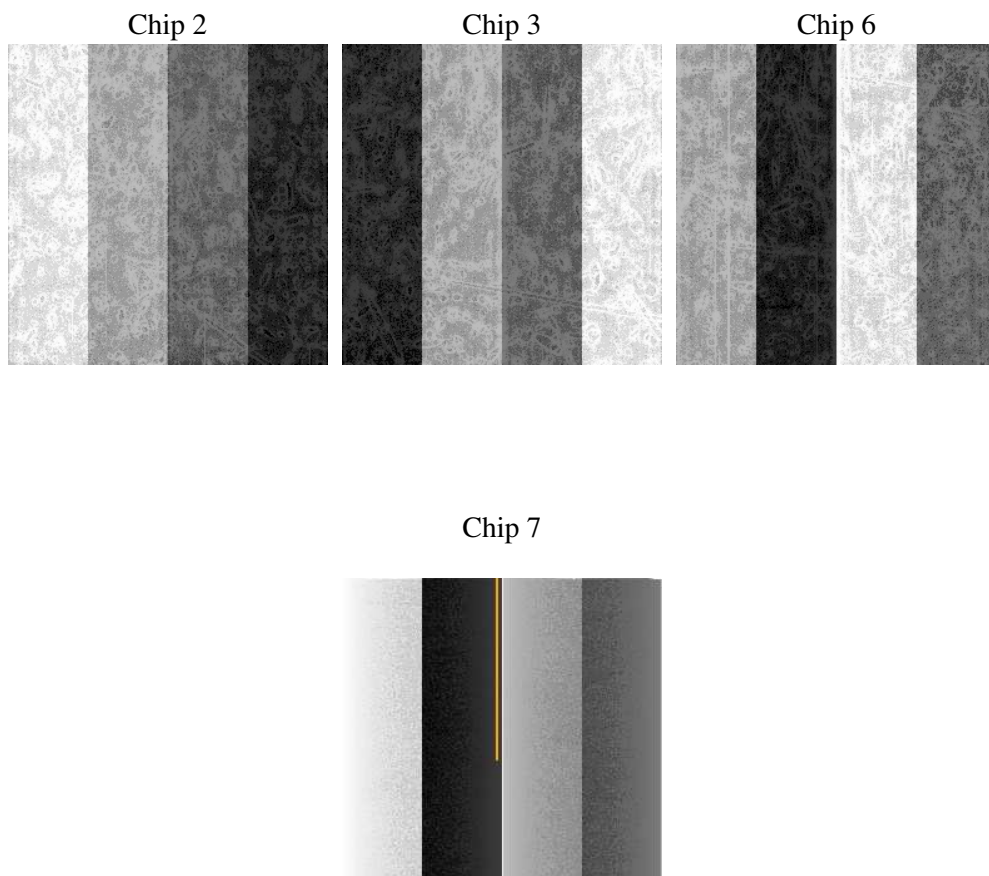
2 OBI

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 | 2006-02-21T21:48:41 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 8300.000000 |
| ontime | 8728.8537049294 |
| ontime2 | 8725.7127346694 |
| ontime3 | 8728.8537049294 |
| ontime6 | 8728.8537049294 |
| ontime7 | 8728.8537049294 |
| llevents | 214001 |

2.1.4 Events

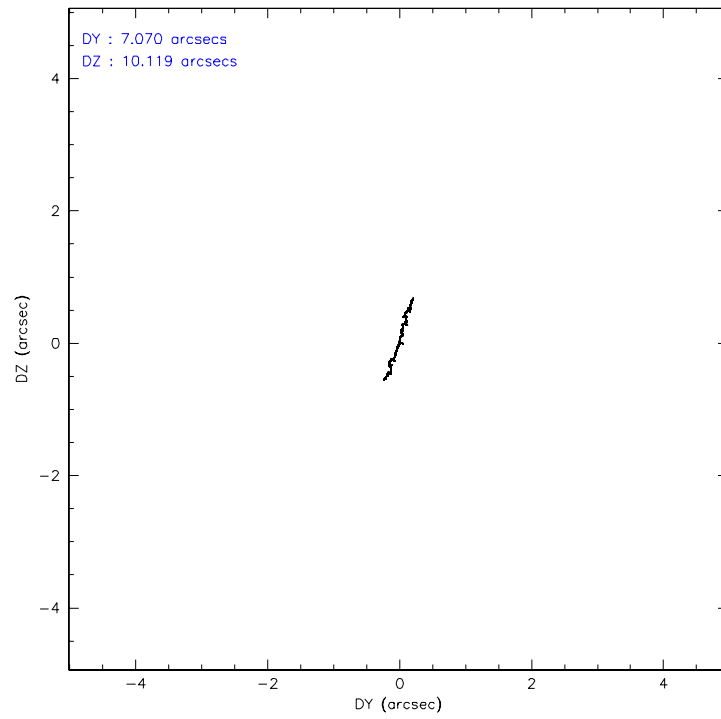
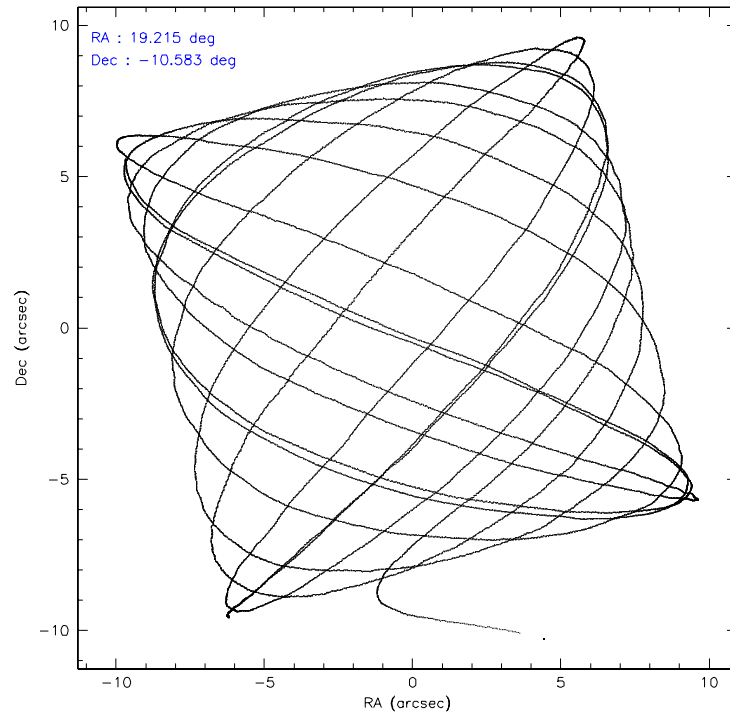
| | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|-------|-------|-------|-------|
| level 1 events | 53173 | 49904 | 52484 | 58440 |
| rejected events | 48175 | 45048 | 47024 | 34800 |
| rejected % | 90% | 90% | 89% | 59% |

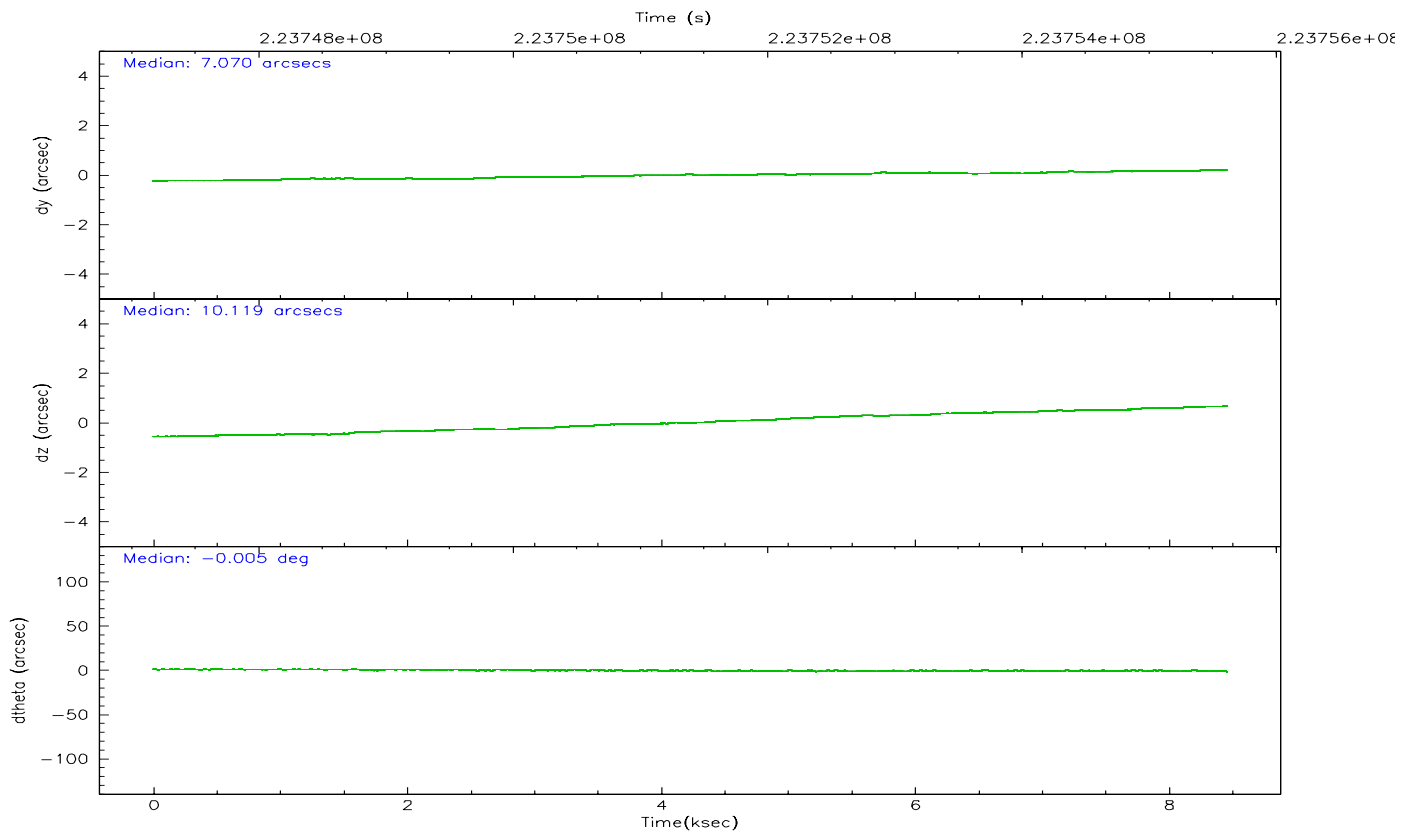
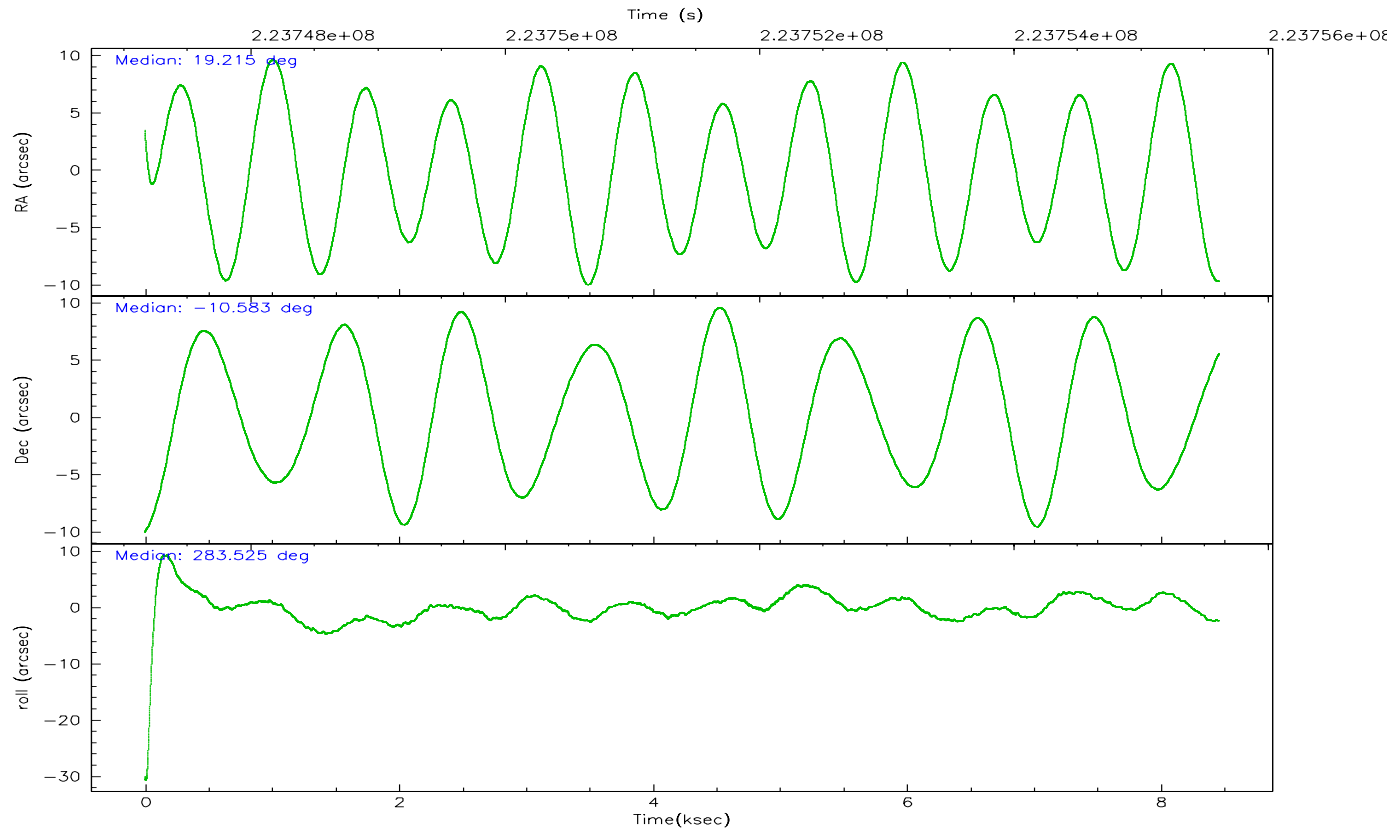
| | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|-------|-------|-------|
| grade 0 events | 1917 | 1845 | 1910 | 1446 |
| | 3% | 3% | 3% | 2% |
| grade 1 events | 27 | 19 | 12 | 34 |
| | 0% | 0% | 0% | 0% |
| grade 2 events | 1207 | 1014 | 1247 | 6077 |
| | 2% | 2% | 2% | 10% |
| grade 3 events | 497 | 601 | 601 | 1433 |
| | 0% | 1% | 1% | 2% |
| grade 4 events | 580 | 593 | 628 | 1319 |
| | 1% | 1% | 1% | 2% |
| grade 5 events | 1727 | 2029 | 2071 | 4434 |
| | 3% | 4% | 3% | 7% |
| grade 6 events | 937 | 983 | 1237 | 14091 |
| | 1% | 1% | 2% | 24% |
| grade 7 events | 46281 | 42820 | 44778 | 29606 |
| | 87% | 85% | 85% | 50% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-2367 | ACIS-2367 | 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 | 19.195818 | 19.21519334926168 | Alternating exposures requested | N | N |
| Pointing Dec | -10.563580 | -10.58307332101062 | Primary exposure time | 0.000000 | 3.1 |
| Pointing Roll | 283.362242 | 283.5223599645626 | | | |
| 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 | 223747323.184000 | 223746260.32682 | | | |
| Observation start date | 2005-02-02T16:00:59 | 2005-02-02T15:44:20 | | | |
| Observation end time | 223755623.184000 | 223756444.21478 | | | |
| Observation end date | 2005-02-02T18:19:19 | 2005-02-02T18:34:04 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



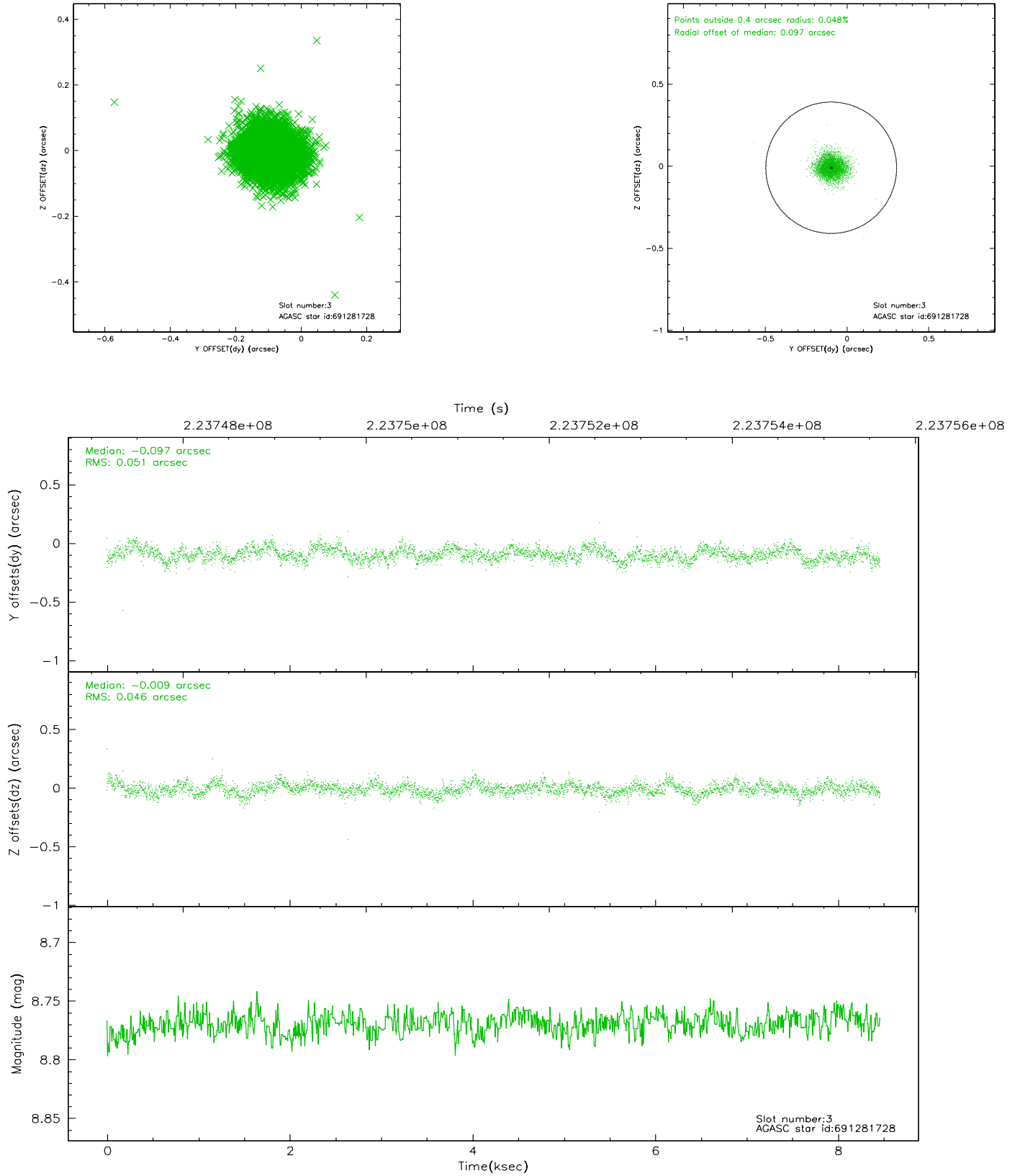


Slot Statistics

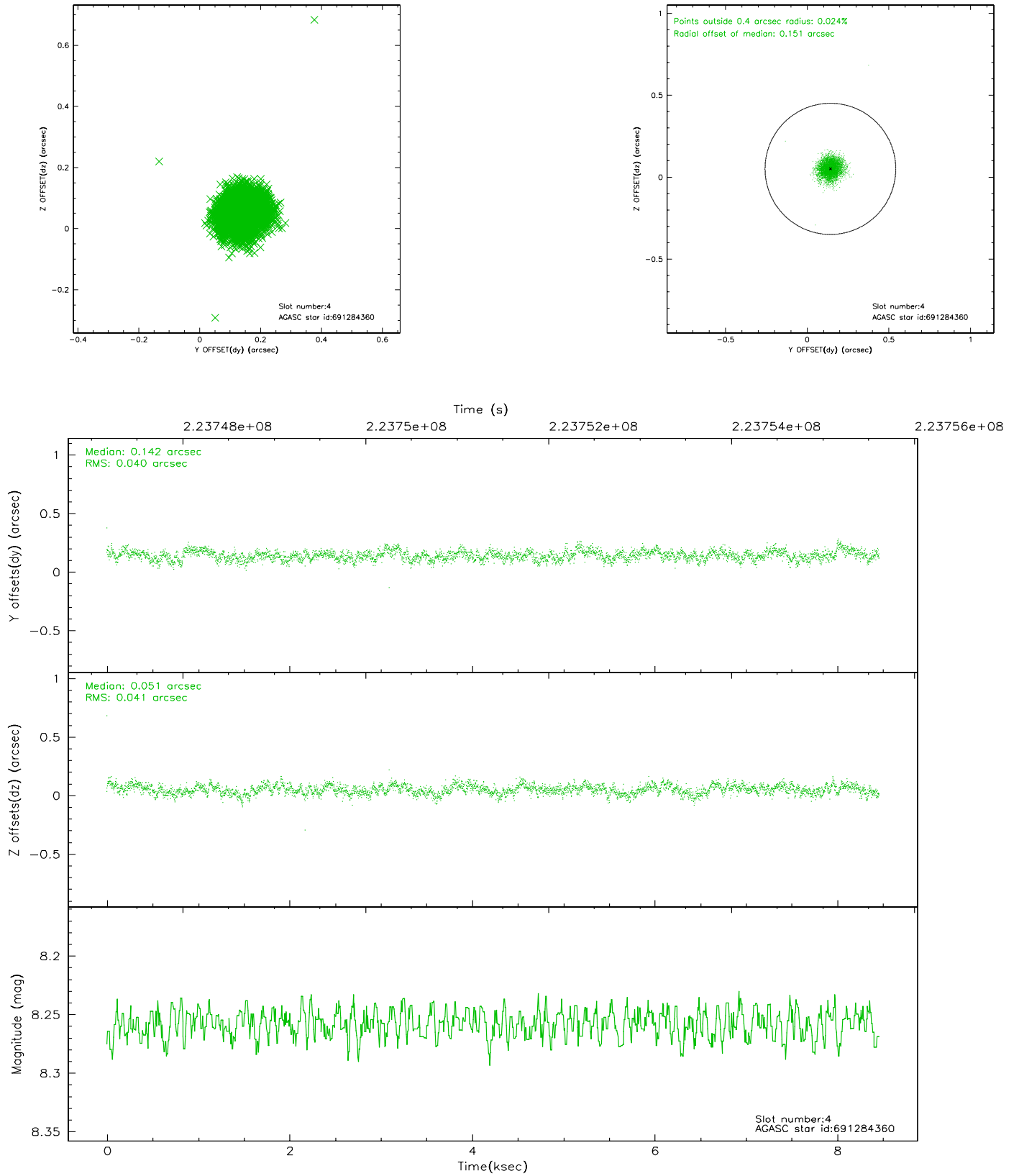
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|-----------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.10 | 2064 | -0.041 | -0.001 | 0.010 | 0.015 | 0.000000 | 0.000000 | -759.81 | -1731.36 |
| 1 | FID | ACIS-S-4 | 7.20 | 2063 | 0.051 | 0.021 | 0.005 | 0.009 | 0.000000 | 0.000000 | 2153.22 | 176.53 |
| 2 | FID | ACIS-S-5 | 7.23 | 2064 | -0.041 | -0.011 | 0.009 | 0.014 | 0.000000 | 0.000000 | -1811.85 | 170.83 |
| 3 | GUIDE | 691281728 | 8.77 | 4126 | -0.097 | -0.009 | 0.073 | 0.117 | 19.311495 | -9.965528 | -1999.99 | 896.85 |
| 4 | GUIDE | 691284360 | 8.26 | 4129 | 0.142 | 0.051 | 0.059 | 0.094 | 19.742053 | -10.974282 | 1886.02 | 1535.91 |
| 5 | GUIDE | 691285568 | 9.41 | 4129 | -0.045 | 0.104 | 0.098 | 0.159 | 19.492572 | -9.941300 | -1935.59 | 1542.00 |
| 6 | GUIDE | 691286168 | 8.90 | 4127 | -0.006 | 0.001 | 0.078 | 0.128 | 19.305023 | -10.184322 | -1239.59 | 692.68 |
| 7 | GUIDE | 691287264 | 9.31 | 4122 | 0.002 | -0.149 | 0.078 | 0.126 | 19.210535 | -10.267046 | -1026.94 | 297.43 |

2.4 Star Slots

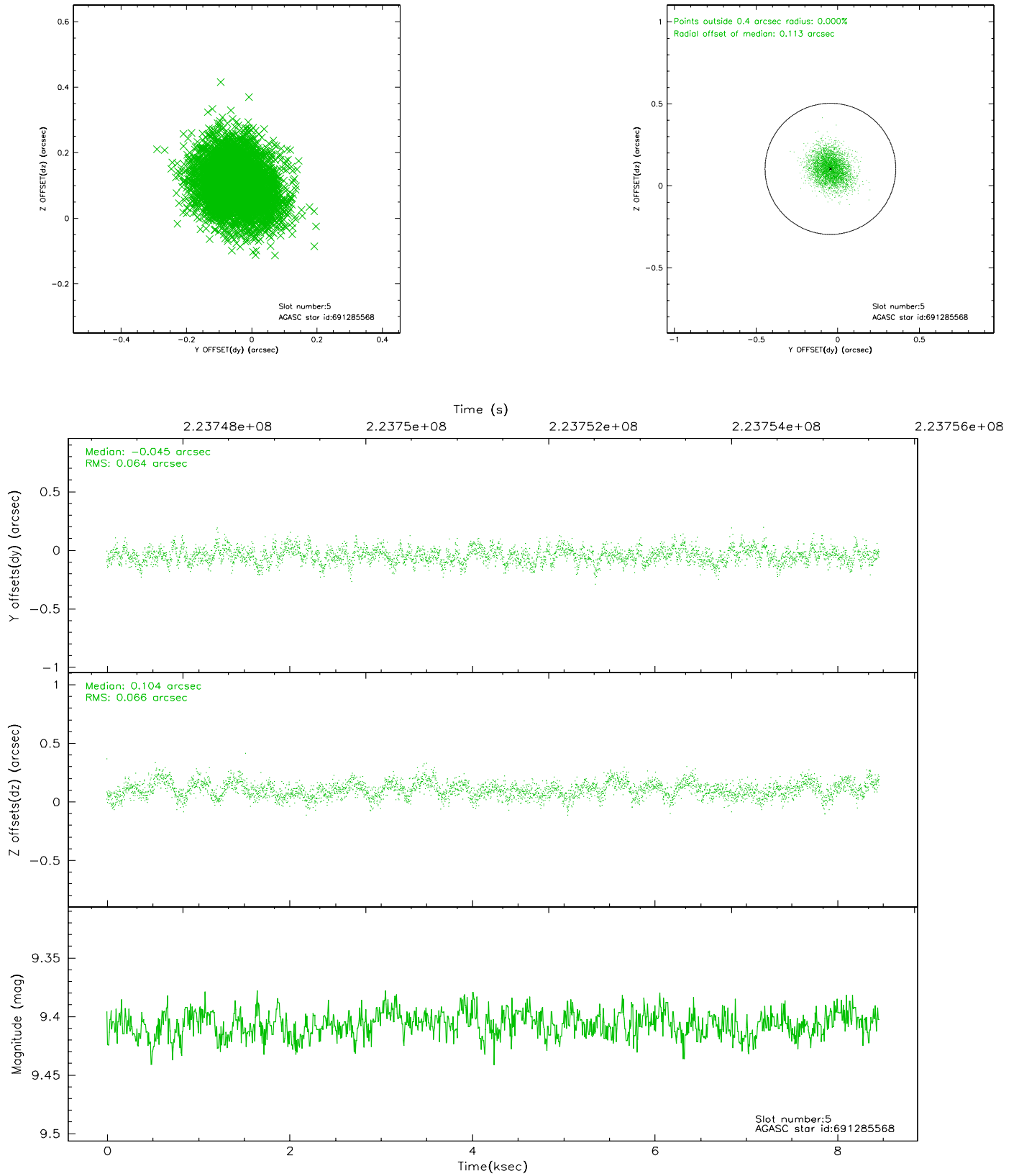
2.4.1 Slot 3



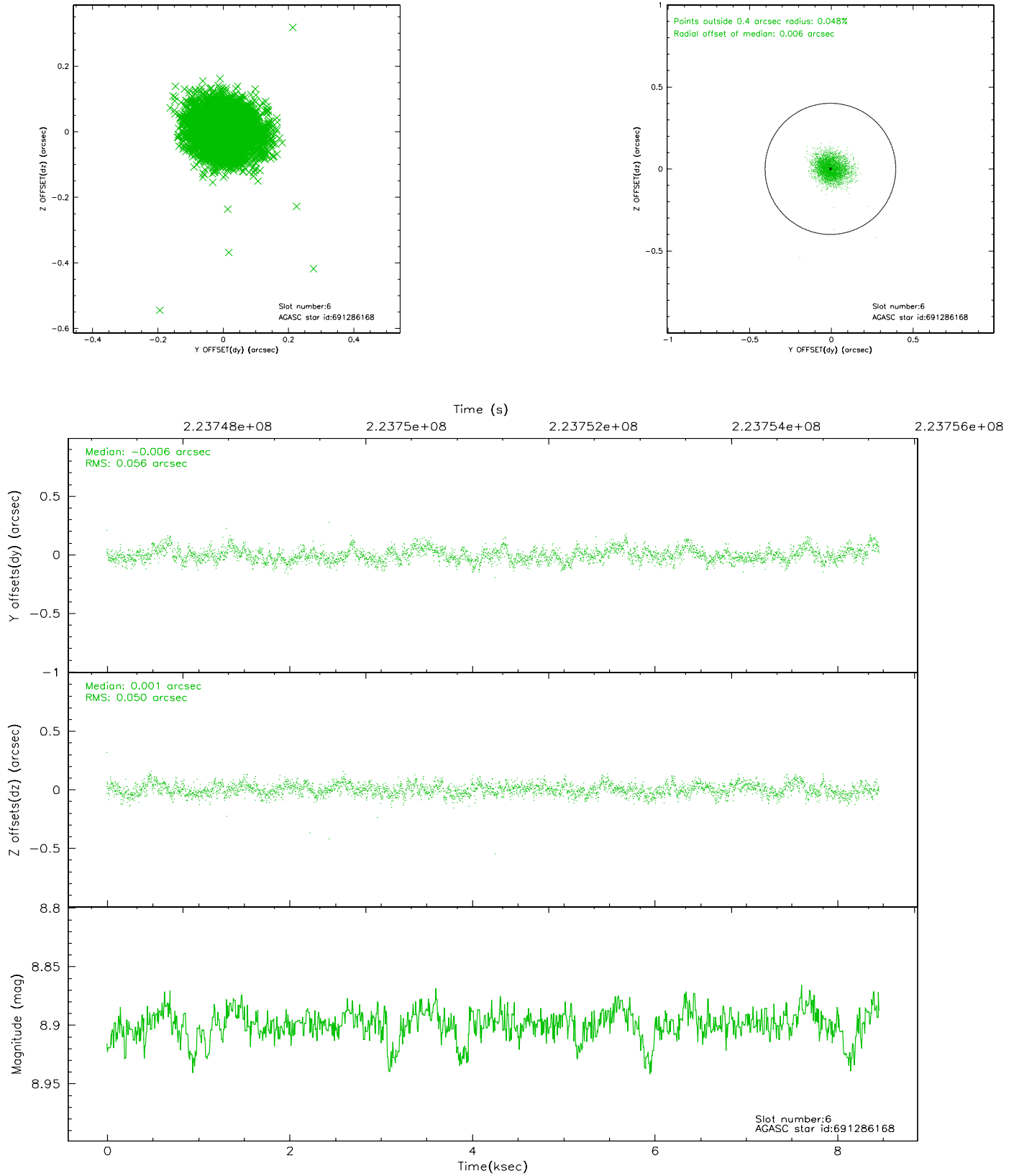
2.4.2 Slot 4



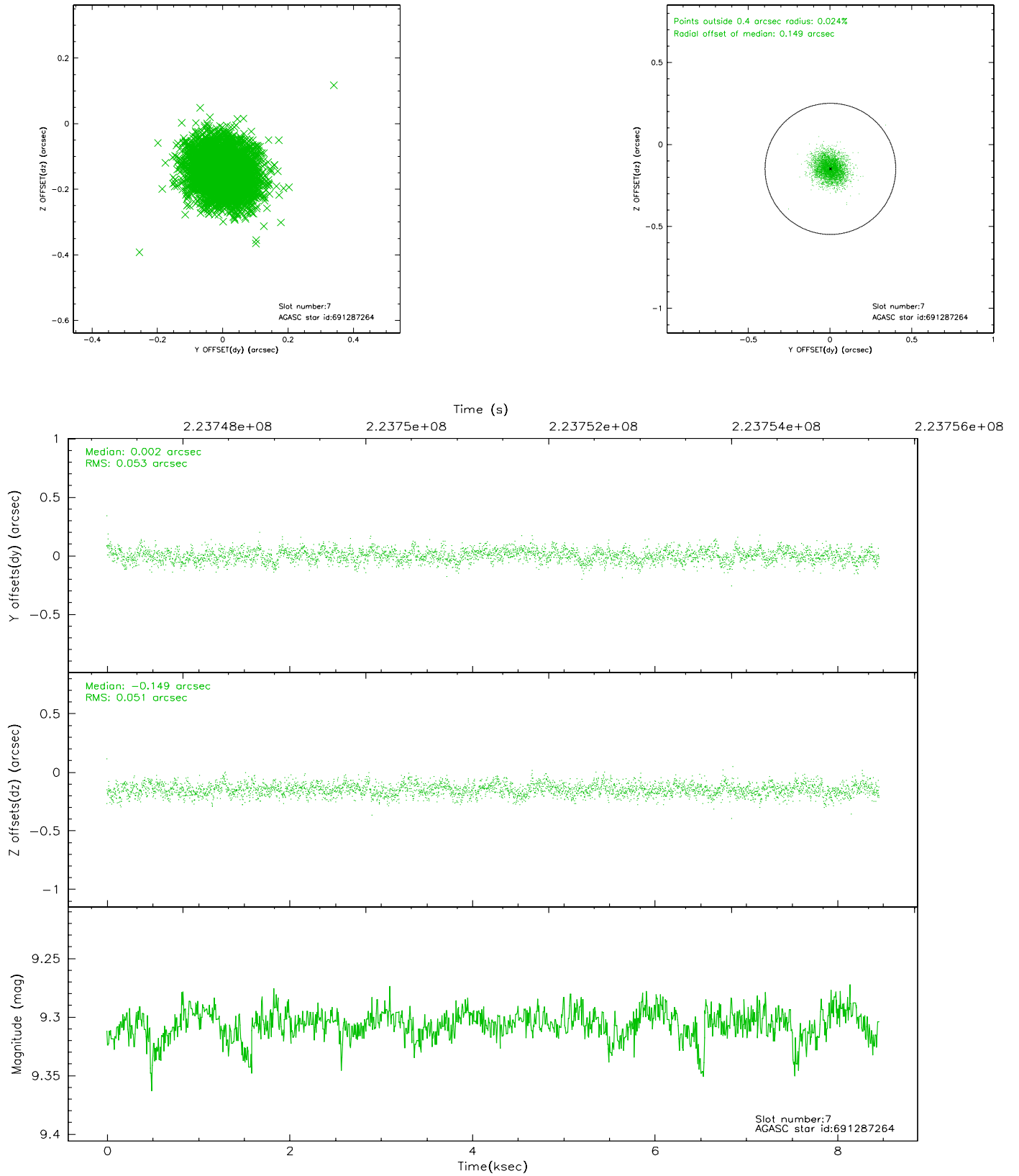
2.4.3 Slot 5



2.4.4 Slot 6

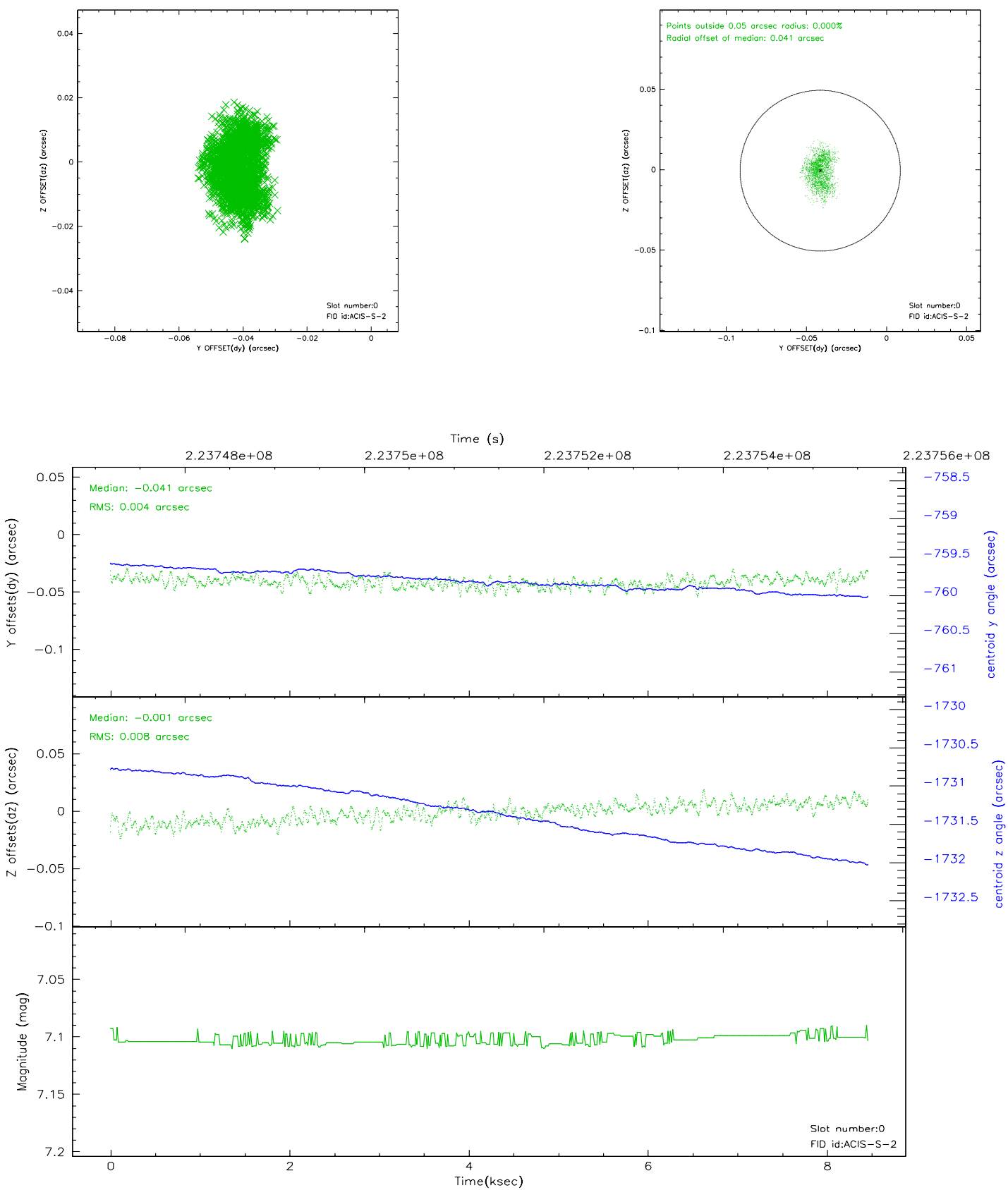


2.4.5 Slot 7

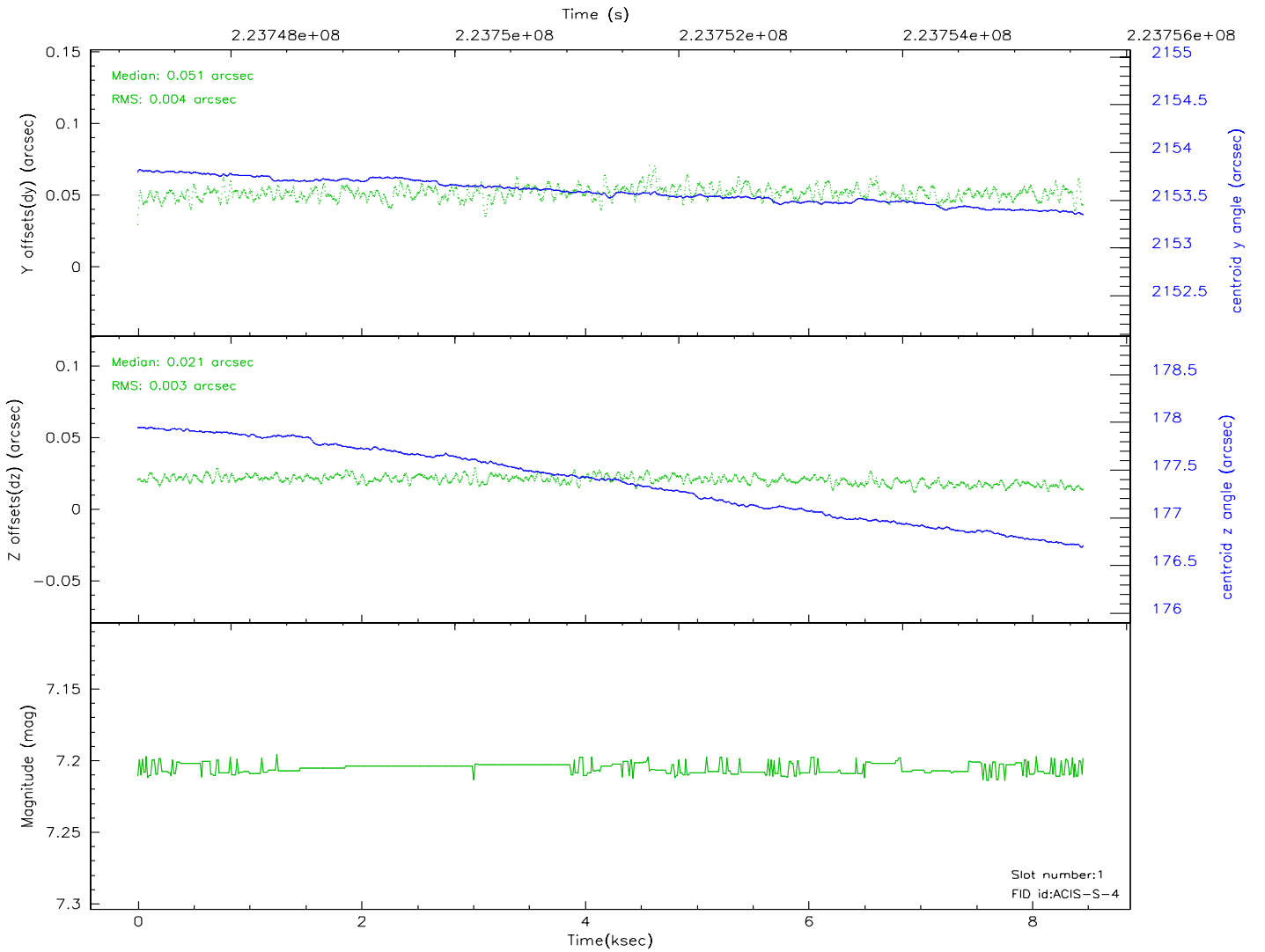
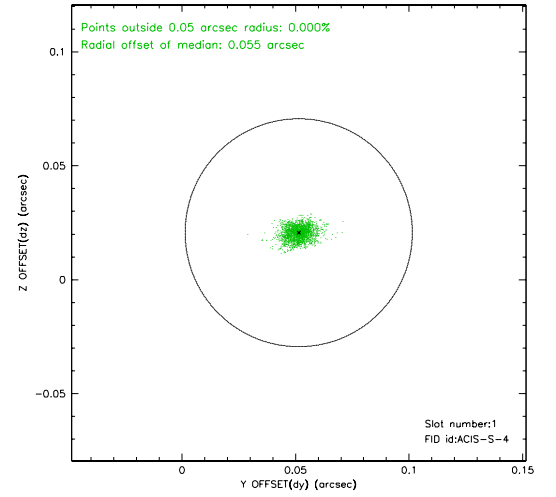
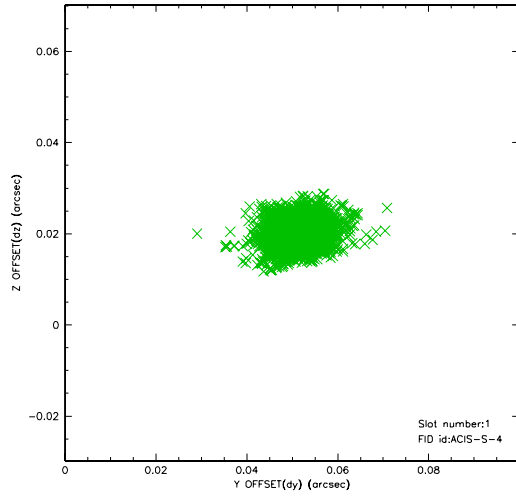


2.5 FID Slots

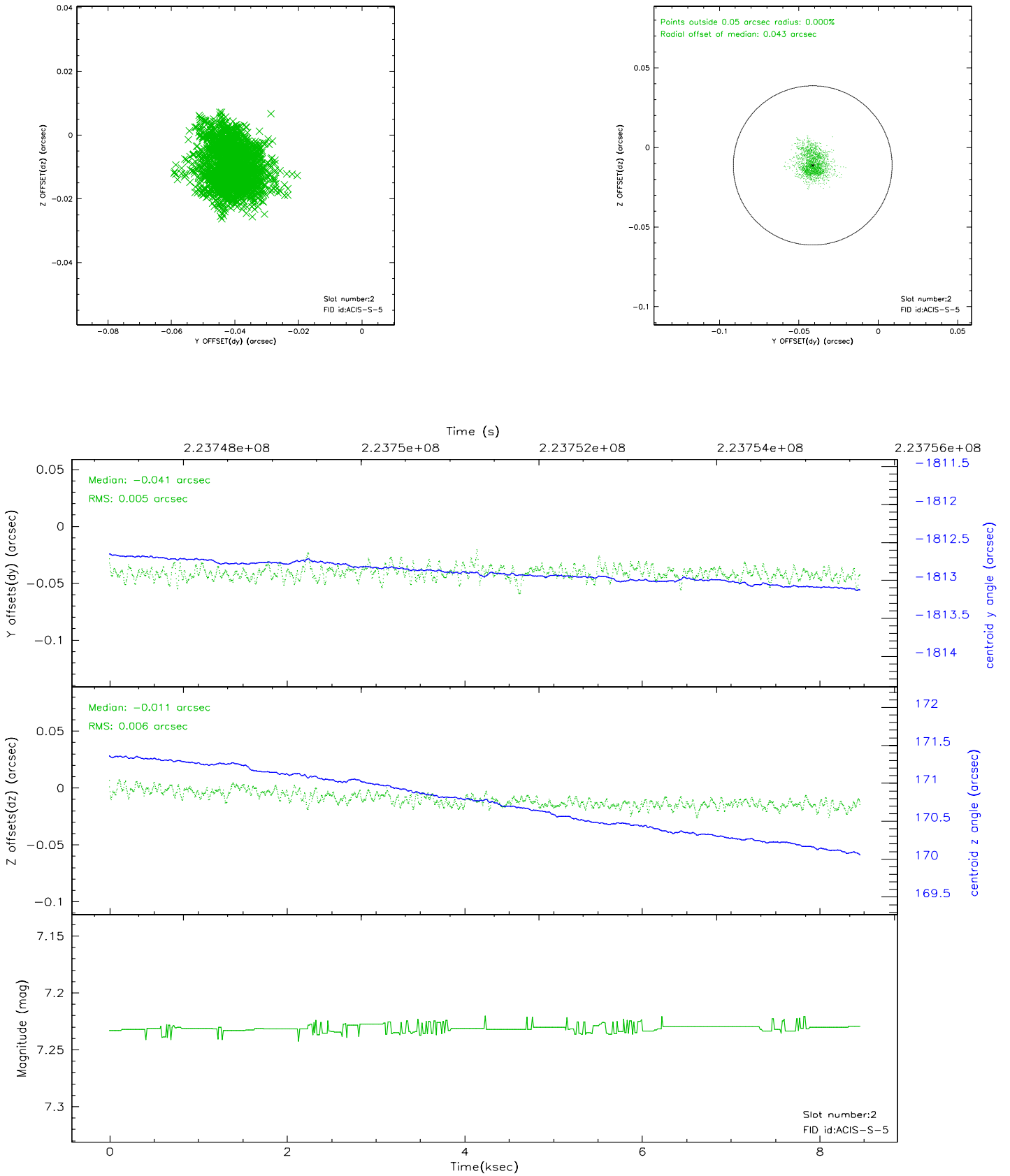
2.5.1 Slot 0



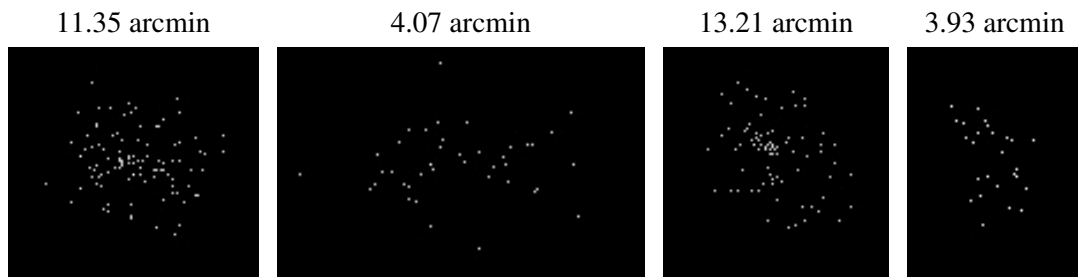
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.02.22 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 8.456799 |

A.2 Comments