

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6273 - L2 Version 002
Chandra X-Ray Center

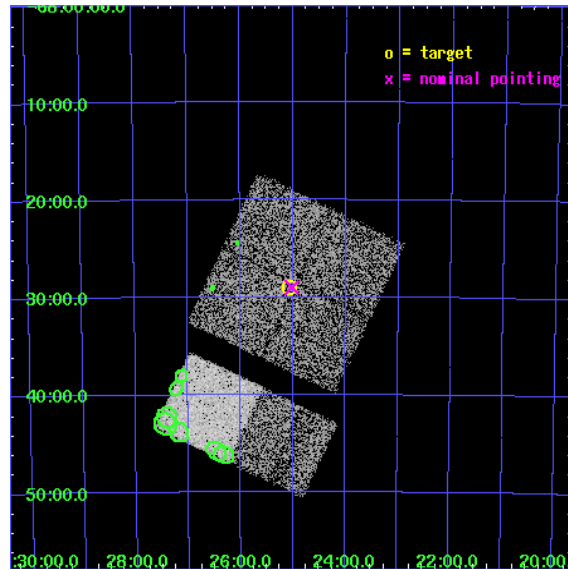
L2 Processing Date : Mar 15 2006

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1 Front

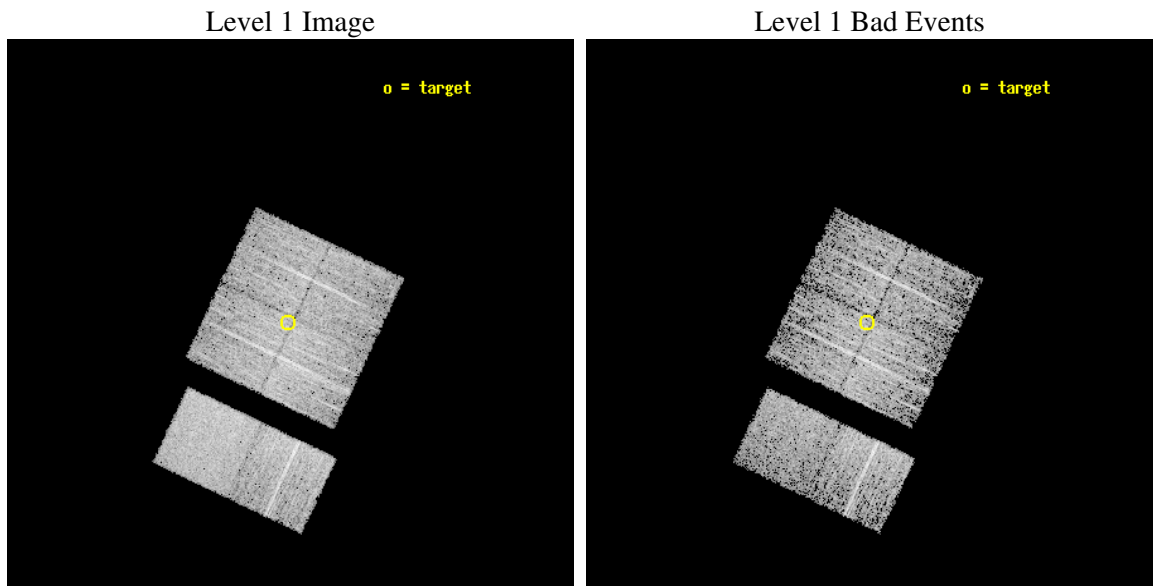
| | |
|----------|---|
| seq_num | 701175 |
| obs_id | 6273 |
| title | Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey |
| observer | Prof. Rashid Sunyaev |
| object | IGR J10252-6829 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 156.267083 |
| dec_targ | -68.483 |
| ra_nom | 156.25463943428 |
| dec_nom | -68.483264465985 |
| roll_nom | 205.40957977917 |
| revision | 2 |
| ontime | 3679.9999862909 |
| livetime | 3633.4016106346 |
| ontime0 | 3679.9999862909 |
| ontime1 | 3679.9999862909 |
| ontime2 | 3679.9999862909 |
| ontime3 | 3679.9999862909 |
| ontime6 | 3679.9999862909 |
| ontime7 | 3679.9999862909 |
| l2events | 36281 |



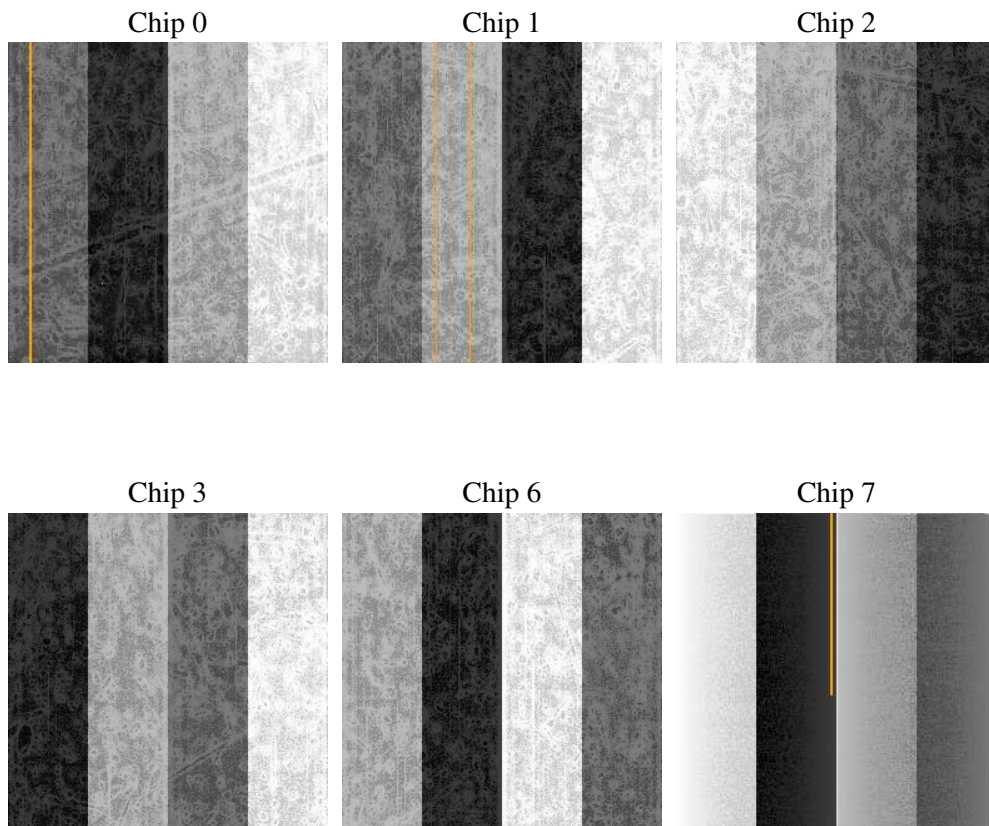
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 1 |
| ascdsver | 7.6.7.1 |
| caldsver | 3.2.1 |
| date | 2006-03-15T23:32:31 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 3500.000000 |
| ontime | 3707.7155399621 |
| ontime0 | 3707.7155399621 |
| ontime1 | 3707.7155399621 |
| ontime2 | 3707.7155399621 |
| ontime3 | 3707.7155399621 |
| ontime6 | 3707.7155399621 |
| ontime7 | 3707.7155399621 |
| l1events | 209111 |

2.1.4 Events

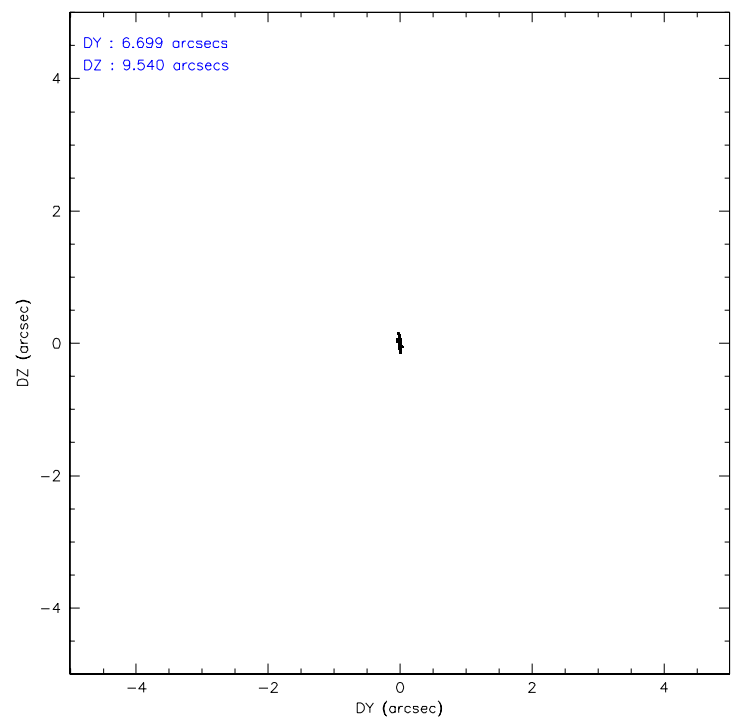
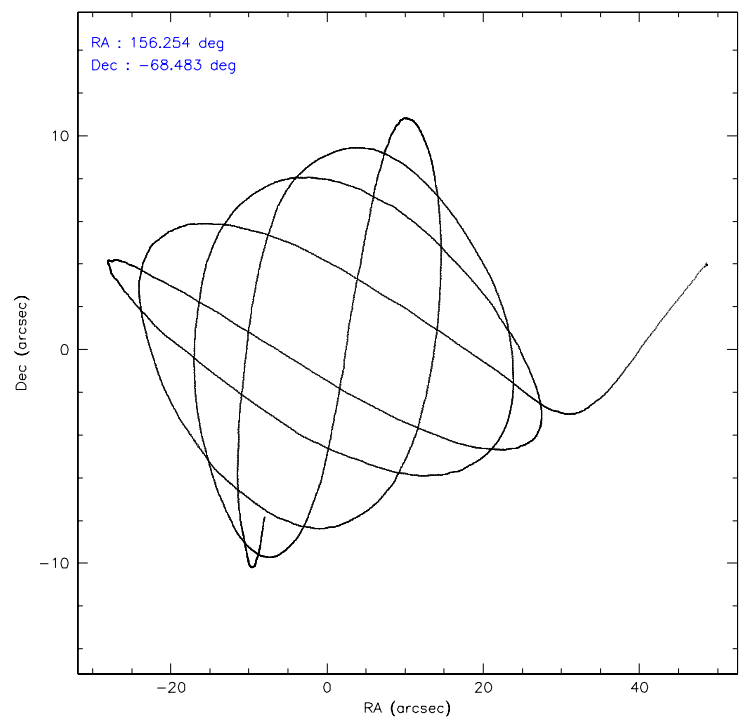
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|-------|-------|-------|-------|-------|-------|
| level 1 events | 29424 | 31325 | 37734 | 33108 | 35828 | 41692 |
| rejected events | 24457 | 26415 | 32523 | 28537 | 31065 | 24989 |
| rejected % | 83% | 84% | 86% | 86% | 86% | 59% |

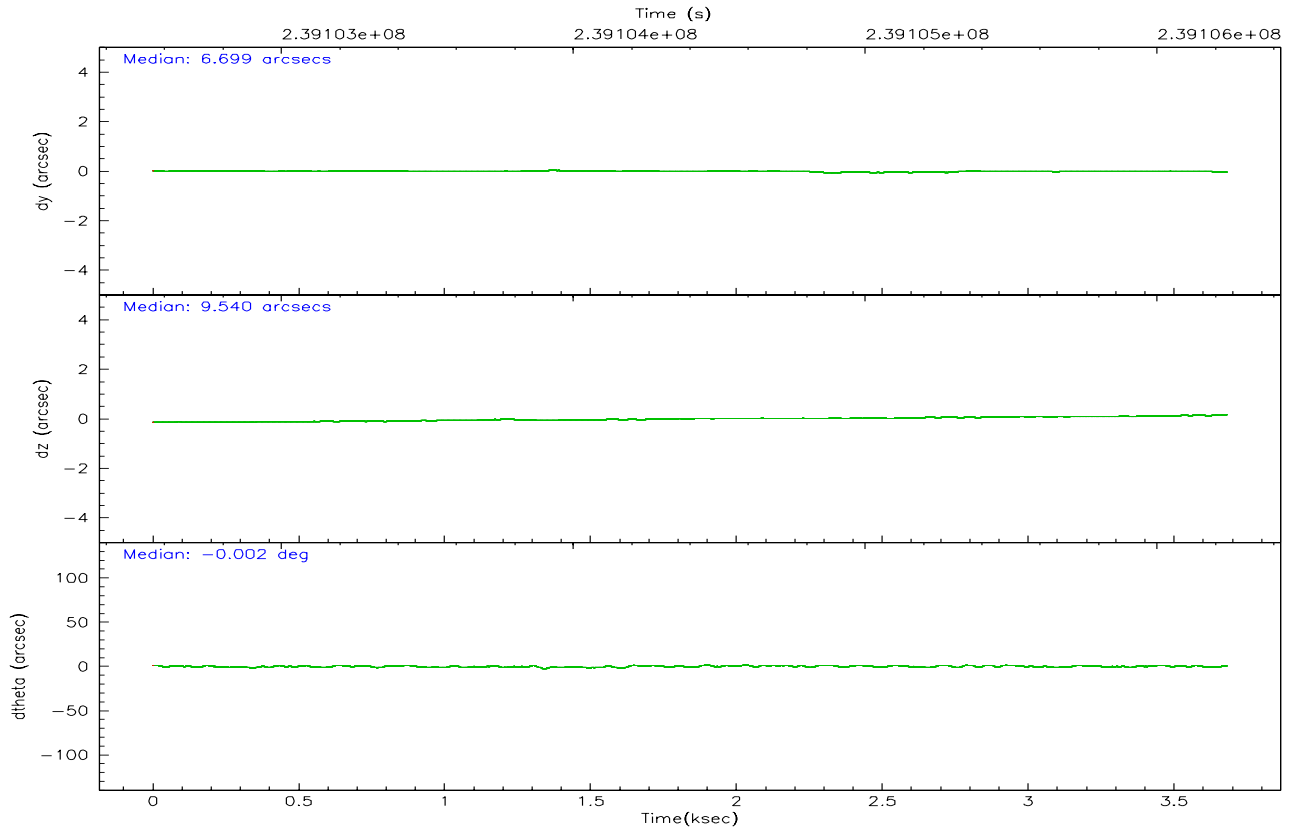
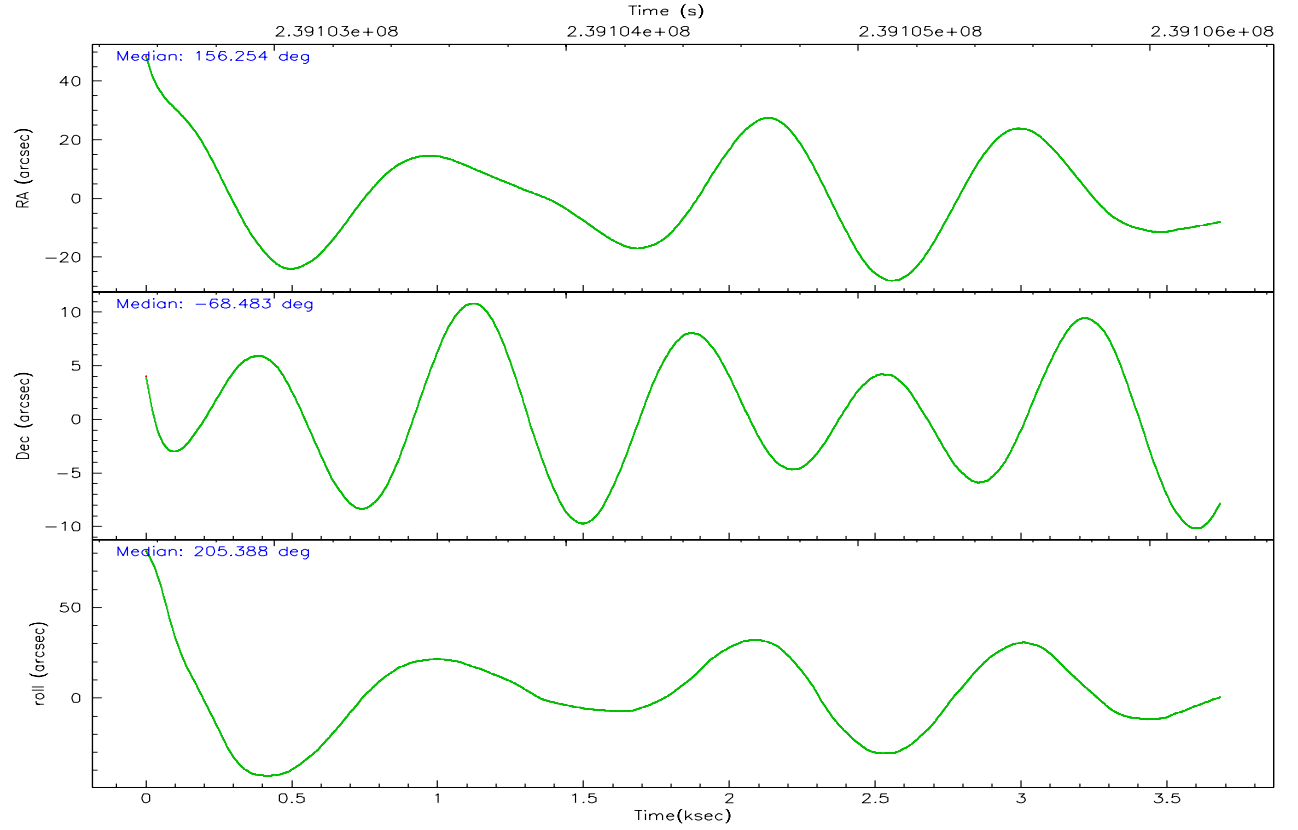
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 2211 | 1971 | 2456 | 2115 | 2000 | 1039 |
| | 7% | 6% | 6% | 6% | 5% | 2% |
| grade 1 events | 24 | 17 | 27 | 18 | 16 | 42 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 1257 | 1222 | 1285 | 985 | 1255 | 4508 |
| | 4% | 3% | 3% | 2% | 3% | 10% |
| grade 3 events | 371 | 390 | 333 | 372 | 347 | 855 |
| | 1% | 1% | 0% | 1% | 0% | 2% |
| grade 4 events | 373 | 357 | 384 | 358 | 354 | 819 |
| | 1% | 1% | 1% | 1% | 0% | 1% |
| grade 5 events | 1158 | 1249 | 1111 | 1285 | 1308 | 2509 |
| | 3% | 3% | 2% | 3% | 3% | 6% |
| grade 6 events | 804 | 1010 | 787 | 779 | 845 | 9628 |
| | 2% | 3% | 2% | 2% | 2% | 23% |
| grade 7 events | 23226 | 25109 | 31351 | 27196 | 29703 | 22292 |
| | 78% | 80% | 83% | 82% | 82% | 53% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|-----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-012367 | ACIS-012367 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | FAINT | FAINT | On-chip summing requested | N | N |
| Observation mode | POINTING | POINTING | Subarray requested | NONE | NONE |
| Pointing RA | 156.296544 | 156.2546394342837 | Alternating exposures requested | N | N |
| Pointing Dec | -68.460593 | -68.48326446598486 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 205.239714 | 205.4095797791726 | | | |
| SIM focus pos (mm) | -0.782348 | -0.7809083437167272 | | | |
| SIM defocus (mm) | 0 | 0.001439871863259334 | | | |
| SIM translation stage pos (mm) | -233.592463 | -233.5874344608287 | | | |
| SIM translation stage offset (mm) | 0 | -0.005018542100998502 | | | |
| Observation start time | 239102743.184000 | 239101659.43813 | | | |
| Observation start date | 2005-07-30T09:24:39 | 2005-07-30T09:07:39 | | | |
| Observation end time | 239106243.184000 | 239107576.7634 | | | |
| Observation end date | 2005-07-30T10:22:59 | 2005-07-30T10:46:16 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



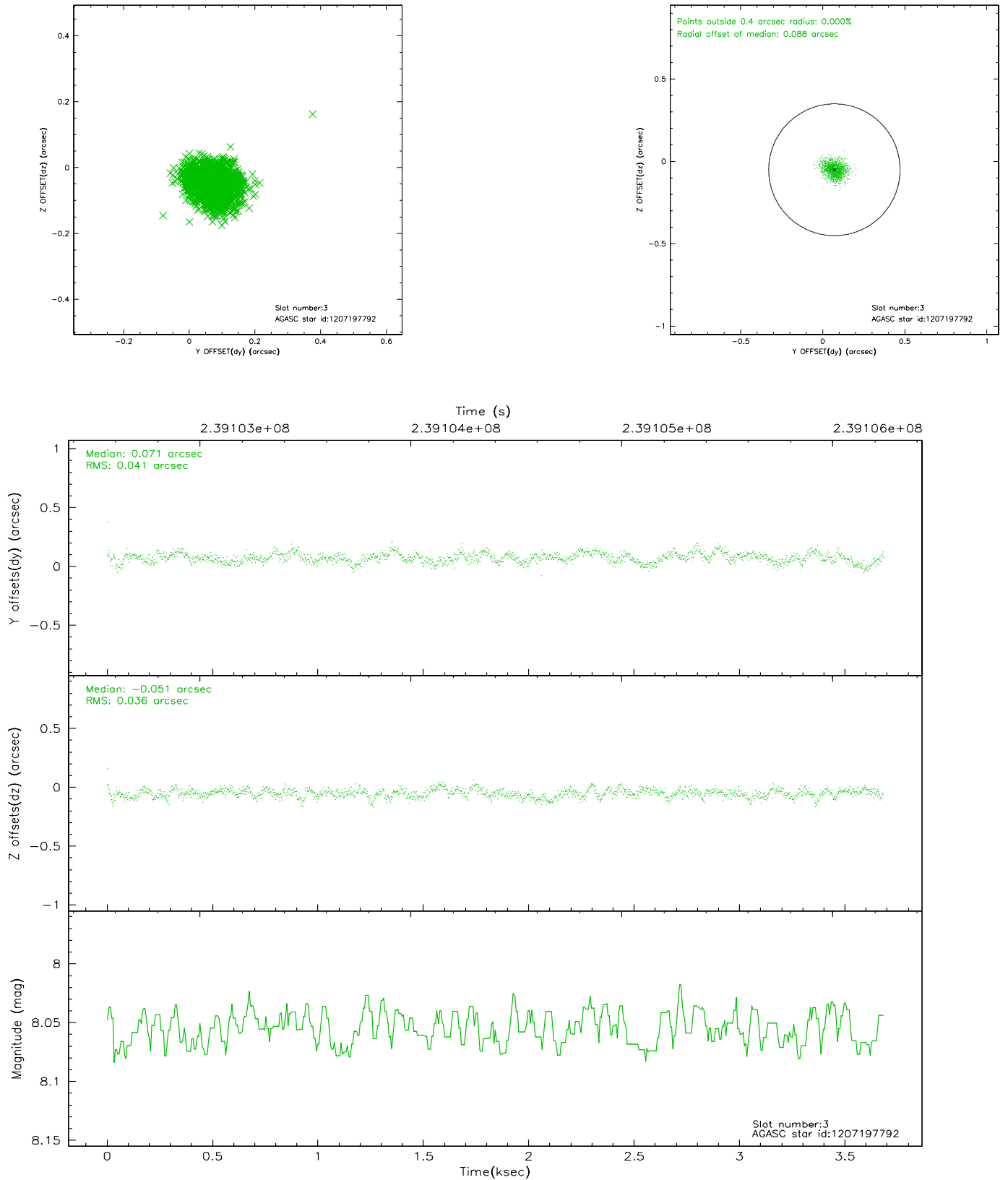


Slot Statistics

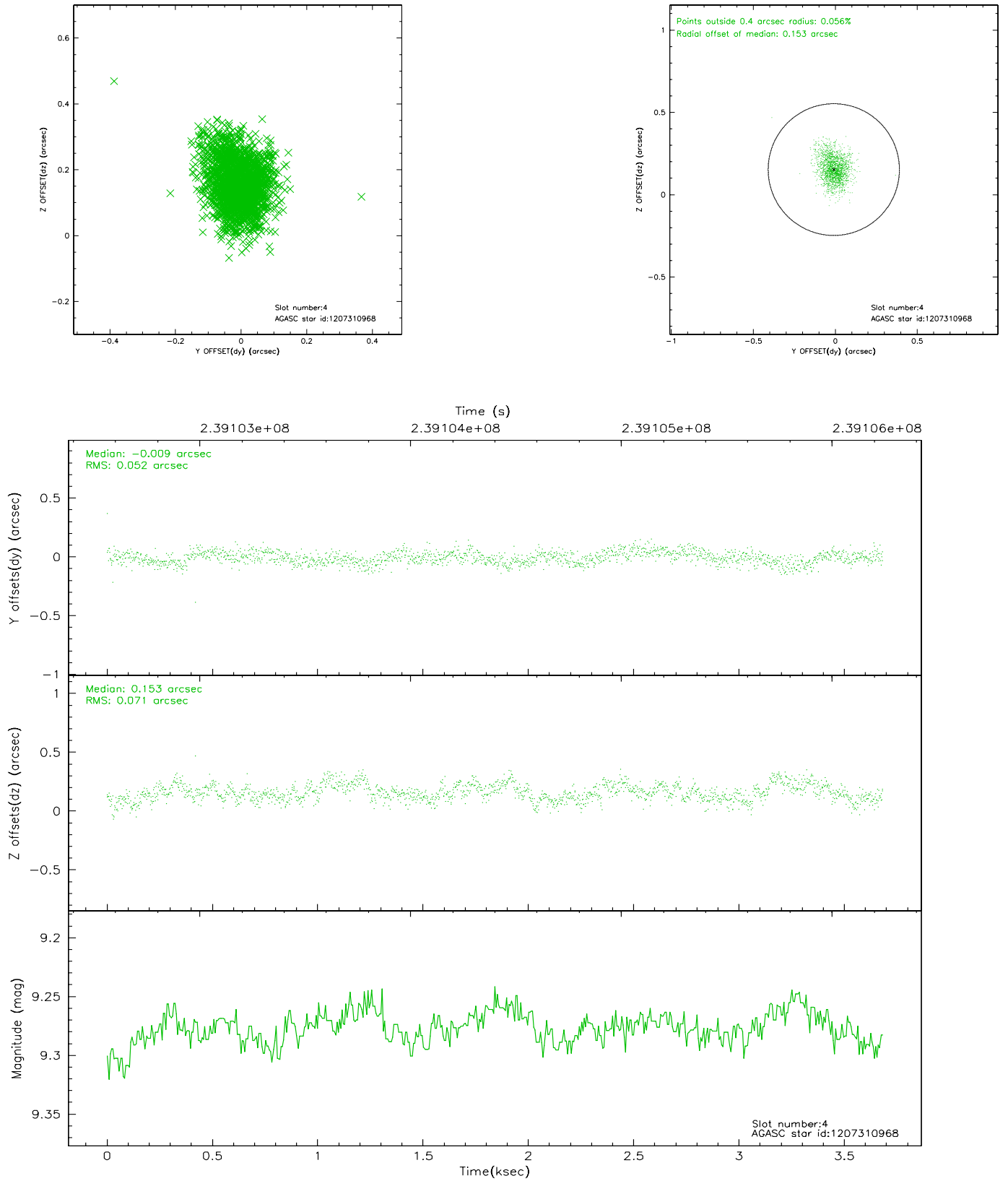
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | ACIS-I-2 | 7.14 | 898 | -0.046 | -0.037 | 0.009 | 0.018 | 0.000000 | 0.000000 | -761.23 | -839.39 |
| 1 | FID | ACIS-I-4 | 7.18 | 899 | 0.108 | 0.044 | 0.006 | 0.011 | 0.000000 | 0.000000 | 2152.22 | 1066.00 |
| 2 | FID | ACIS-I-5 | 7.23 | 898 | -0.163 | 0.062 | 0.008 | 0.015 | 0.000000 | 0.000000 | -1812.96 | 1065.83 |
| 3 | GUIDE | 1207197792 | 8.06 | 1797 | 0.071 | -0.051 | 0.058 | 0.093 | 155.874427 | -68.277970 | 229.62 | -832.58 |
| 4 | GUIDE | 1207310968 | 9.28 | 1797 | -0.009 | 0.153 | 0.092 | 0.154 | 156.362458 | -68.103647 | -627.40 | -1124.94 |
| 5 | GUIDE | 1207317144 | 8.10 | 1797 | 0.066 | -0.046 | 0.072 | 0.123 | 156.060854 | -68.129554 | -221.78 | -1212.93 |
| 6 | GUIDE | 1207320680 | 8.88 | 1796 | -0.115 | 0.073 | 0.086 | 0.132 | 156.002602 | -67.790975 | -665.08 | -2350.88 |
| 7 | GUIDE | 1207331904 | 9.63 | 1790 | -0.013 | -0.128 | 0.127 | 0.209 | 158.407958 | -68.816779 | -1918.41 | 2371.53 |

2.4 Star Slots

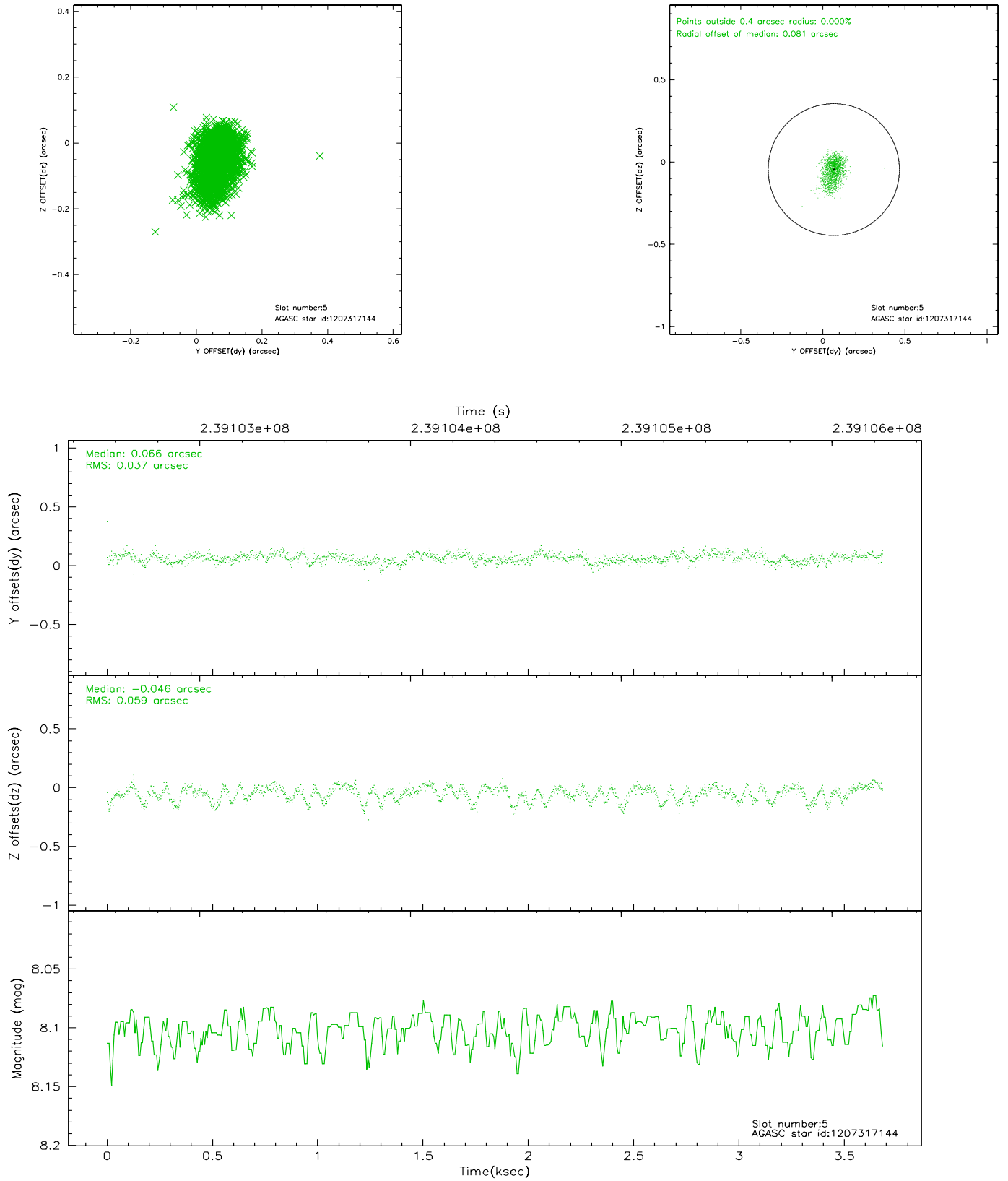
2.4.1 Slot 3



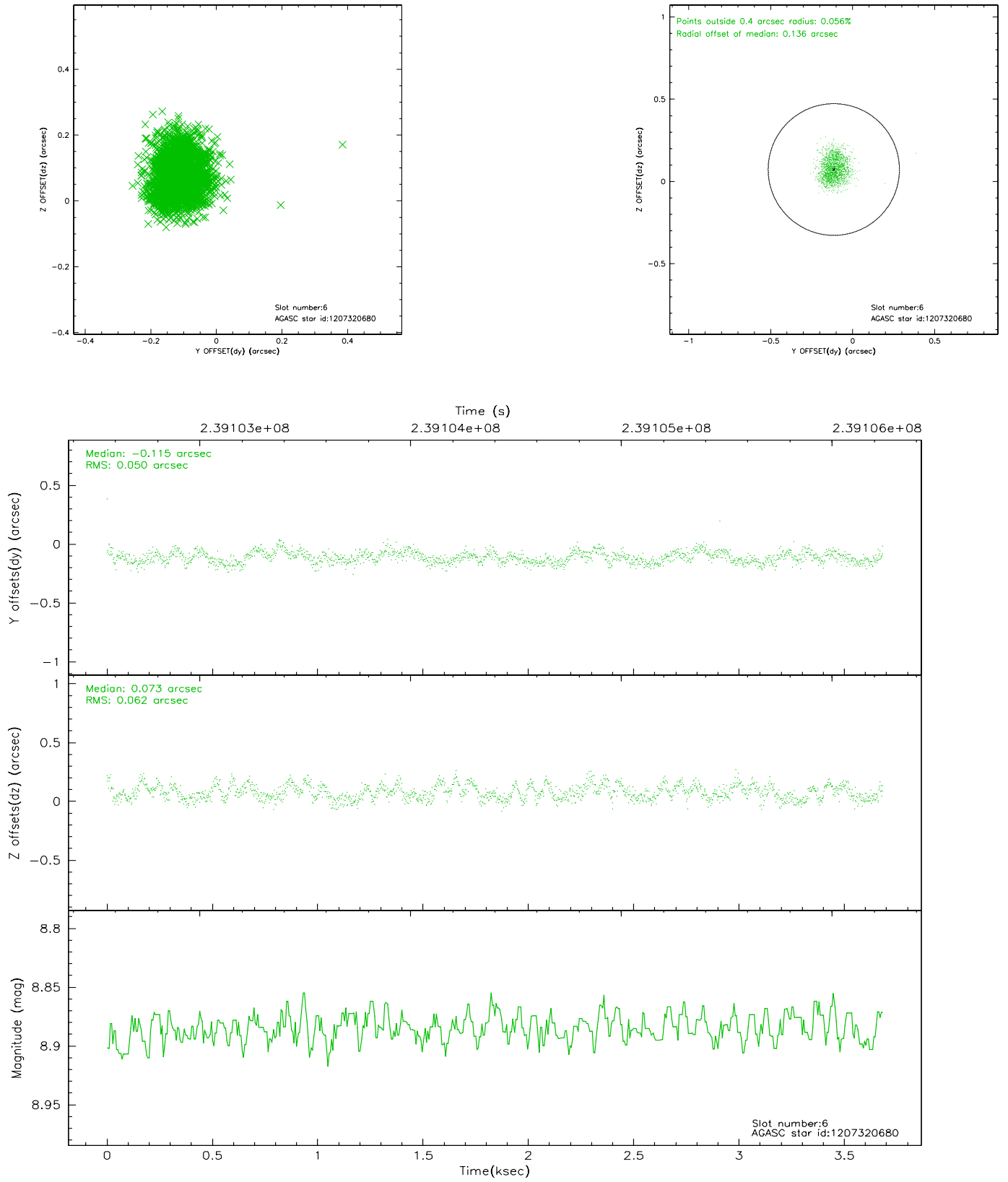
2.4.2 Slot 4



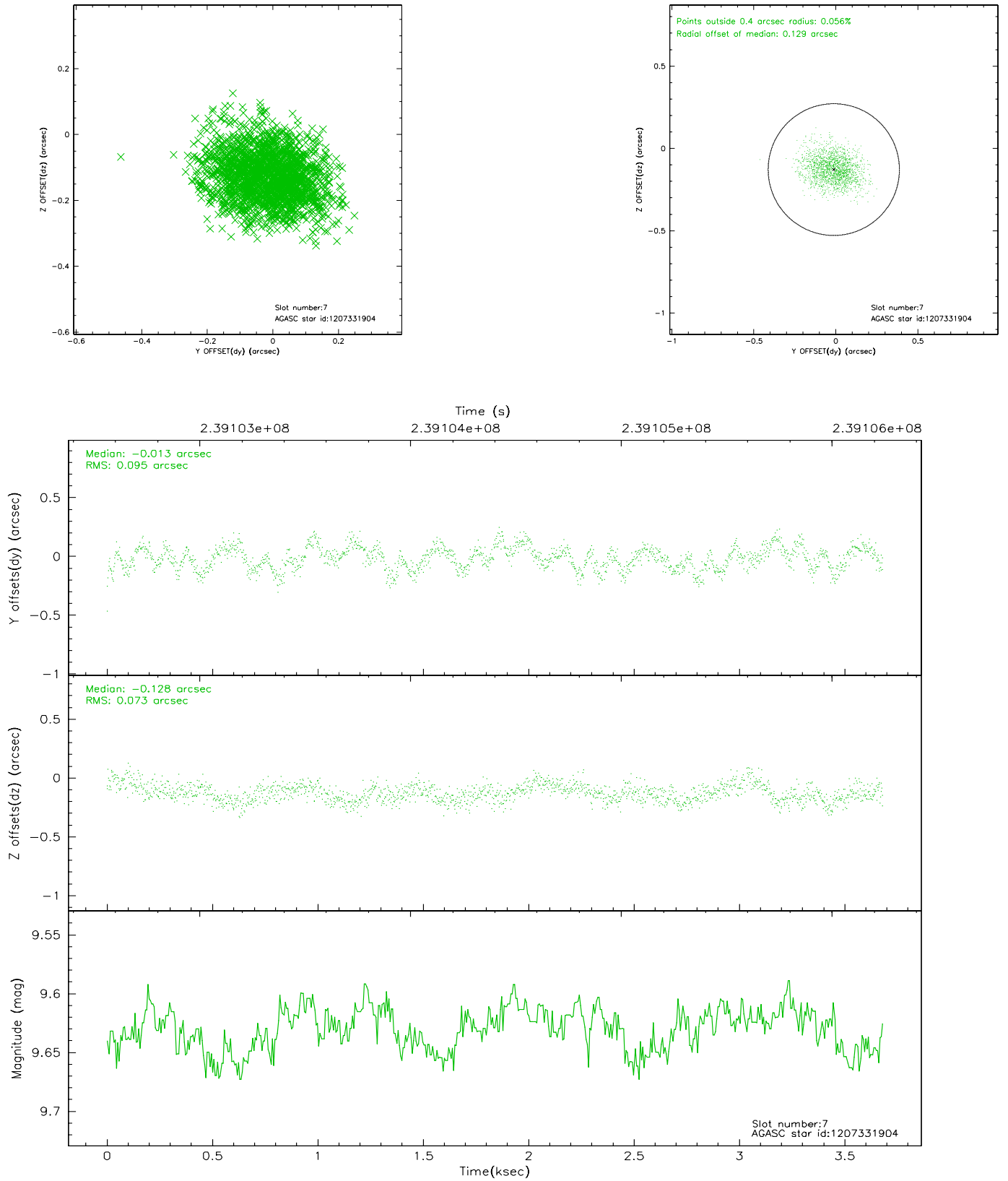
2.4.3 Slot 5



2.4.4 Slot 6

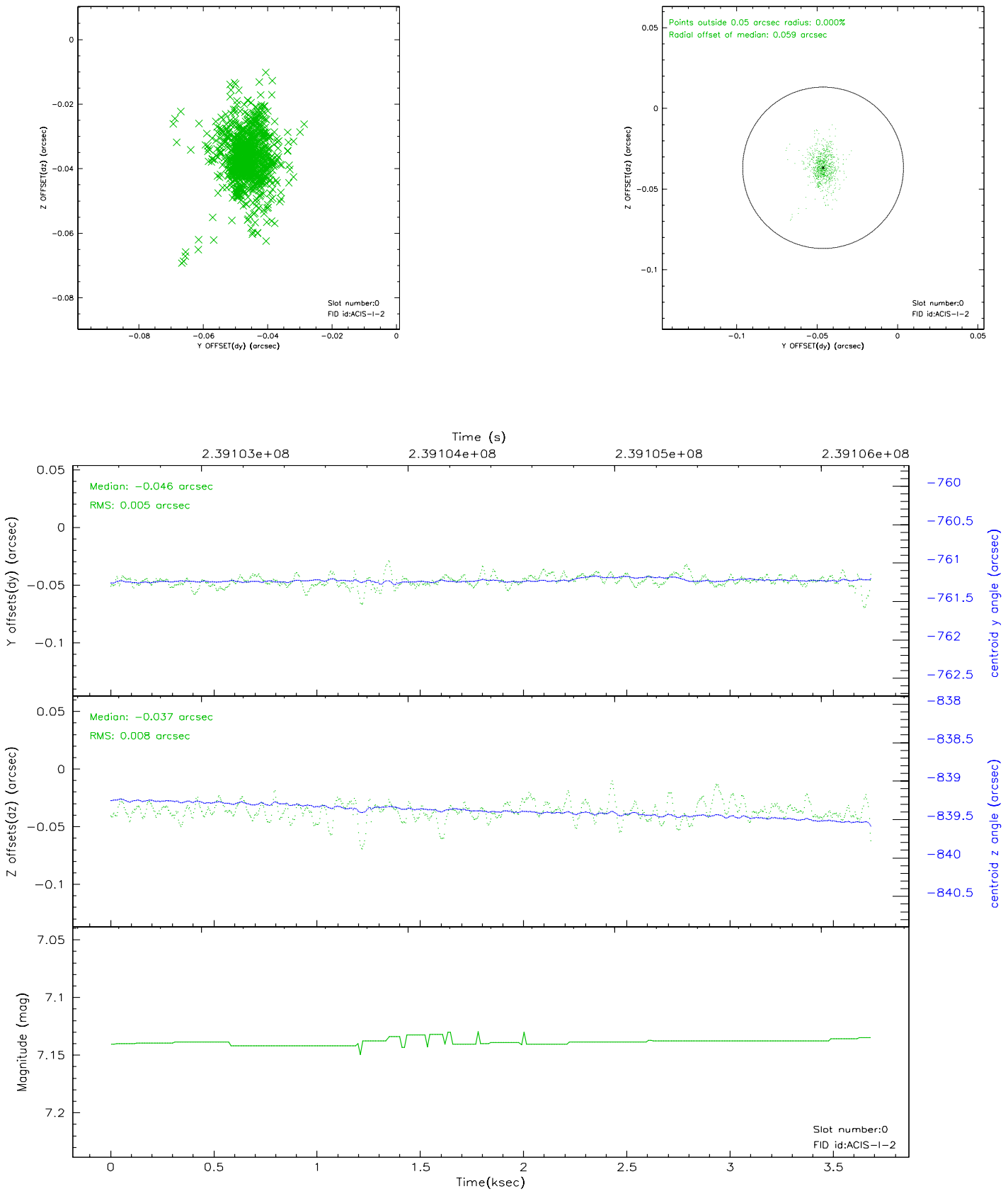


2.4.5 Slot 7

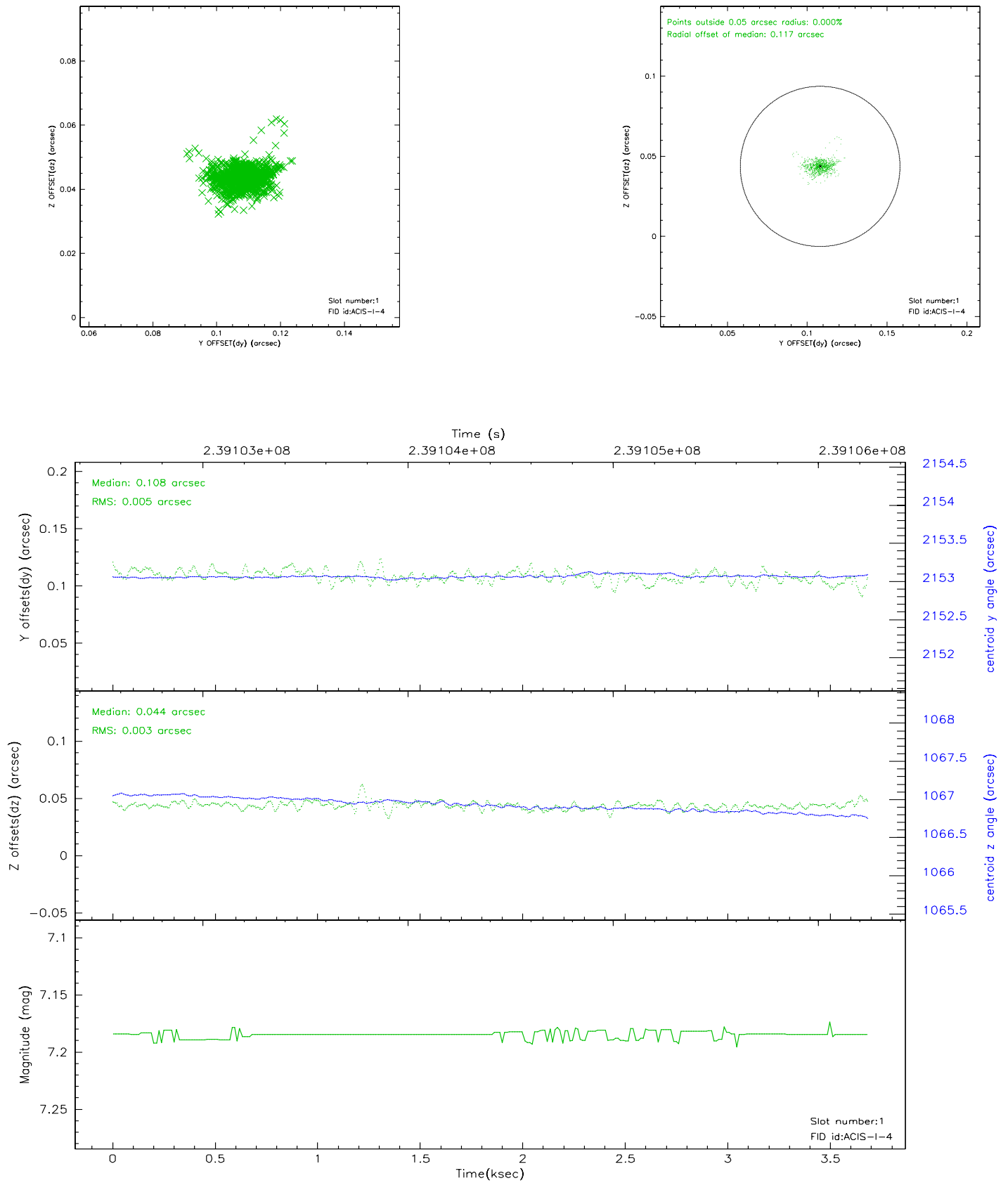


2.5 FID Slots

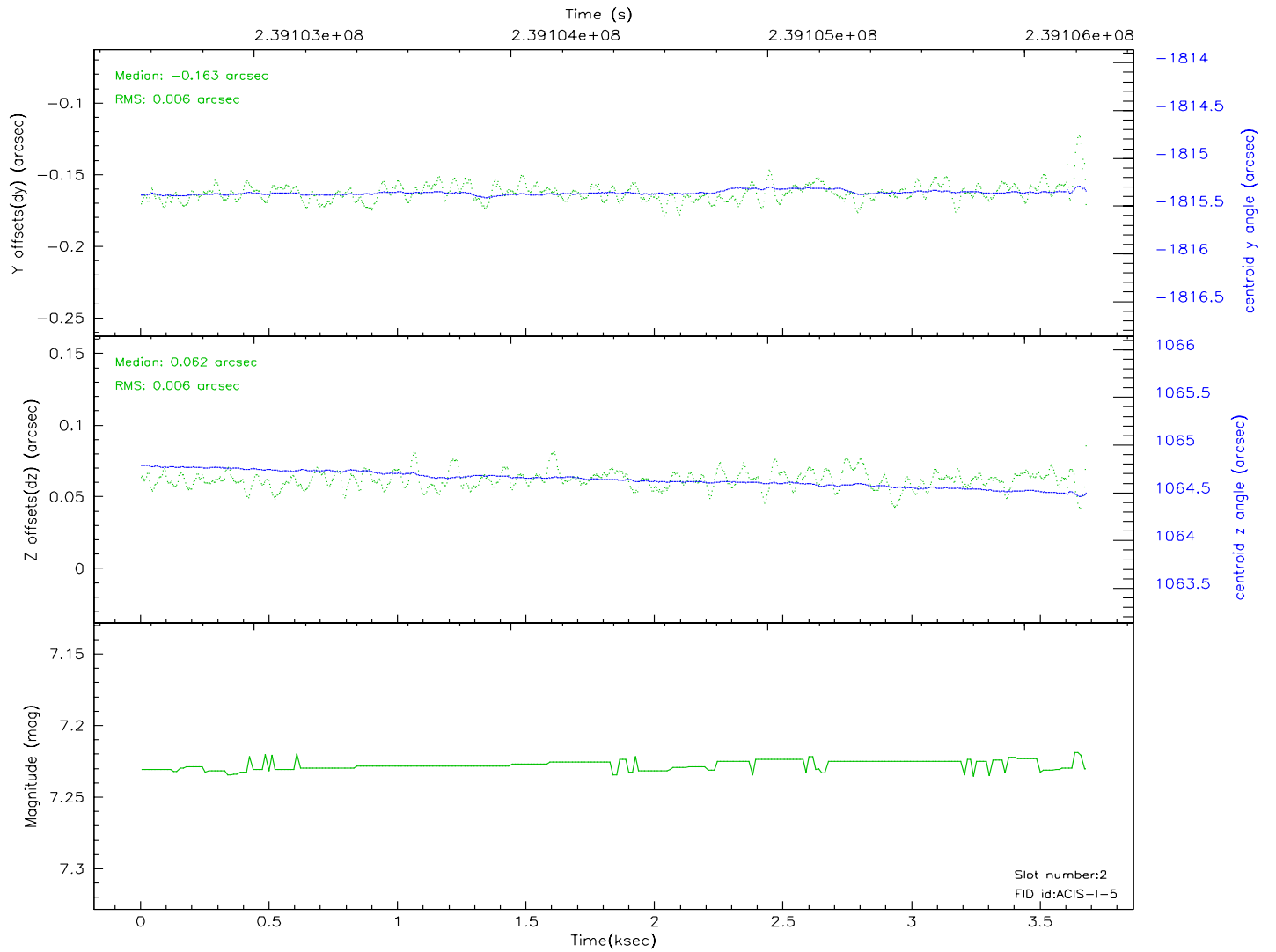
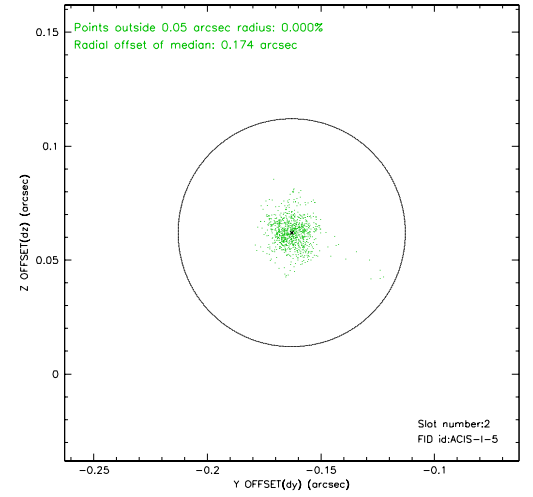
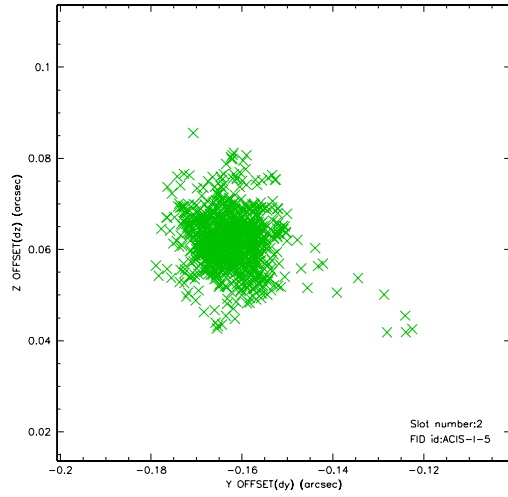
2.5.1 Slot 0



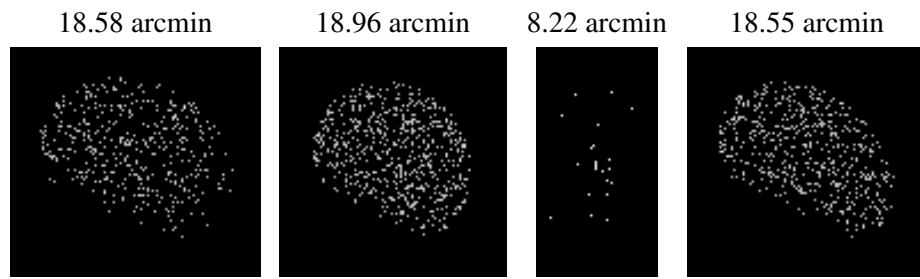
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.03.16 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 3.707715 |

A.2 Comments