

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2258 - L2 Version 001
Chandra X-Ray Center

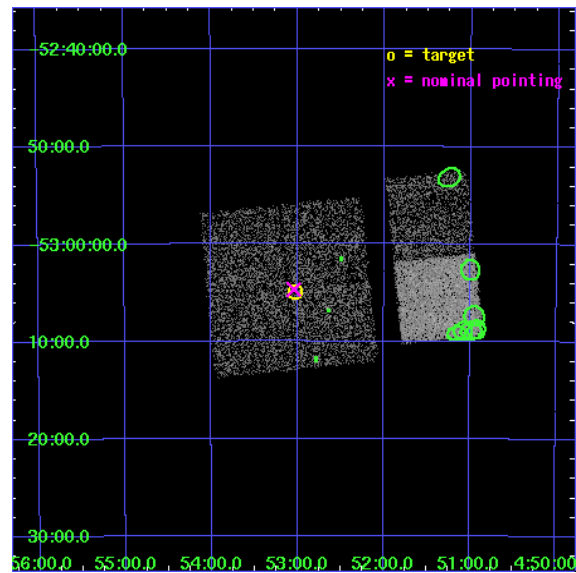
L2 Processing Date : Dec 31 2006

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1 Front

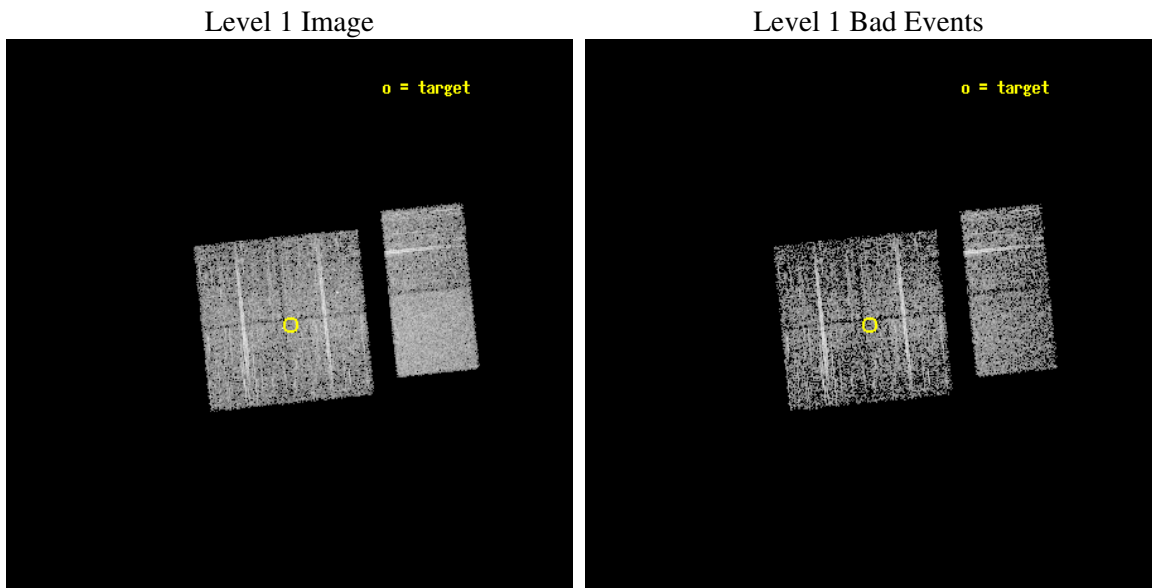
| | |
|----------|--|
| seq_num | 900085 |
| obs_id | 2258 |
| title | CHANDRA OBSERVATION OF HARD X-RAY SOURCES DISCOVERED WITH ASCA |
| observer | Dr Yoshihiro Ueda |
| object | AGX~J045301-5304 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 73.256667 |
| dec_targ | -53.082306 |
| ra_nom | 73.260320857693 |
| dec_nom | -53.078220675518 |
| roll_nom | 84.171492474306 |
| revision | 2 |
| ontime | 3248.0000030249 |
| livetime | 3206.8718712758 |
| ontime0 | 3244.7590427697 |
| ontime1 | 3248.0000030249 |
| ontime2 | 3248.0000030249 |
| ontime3 | 3248.0000030249 |
| ontime6 | 3248.0000030249 |
| ontime7 | 3248.0000030249 |
| l2events | 23964 |



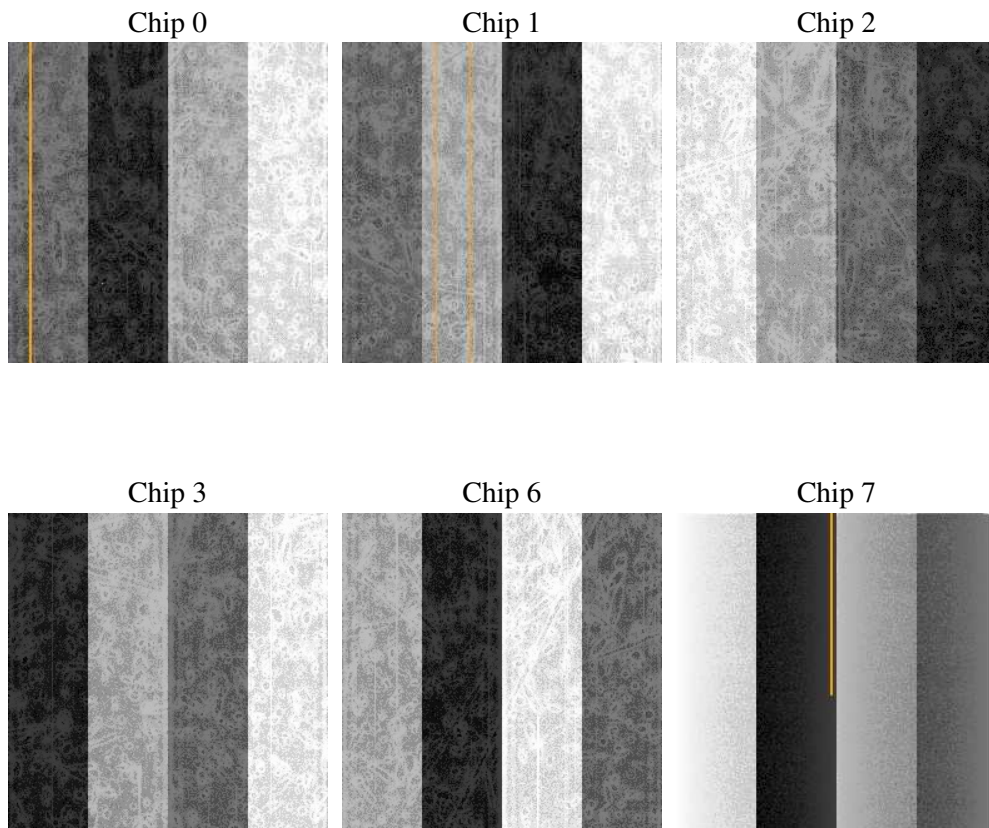
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.9 |
| caldsver | 3.2.4 |
| date | 2006-12-31T11:05:19 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 3300.000000 |
| ontime | 3253.9630787671 |
| ontime0 | 3250.7221185118 |
| ontime1 | 3253.9630787671 |
| ontime2 | 3253.9630787671 |
| ontime3 | 3253.9630787671 |
| ontime6 | 3253.9630787671 |
| ontime7 | 3253.9630787671 |
| l1events | 132056 |

2.1.4 Events

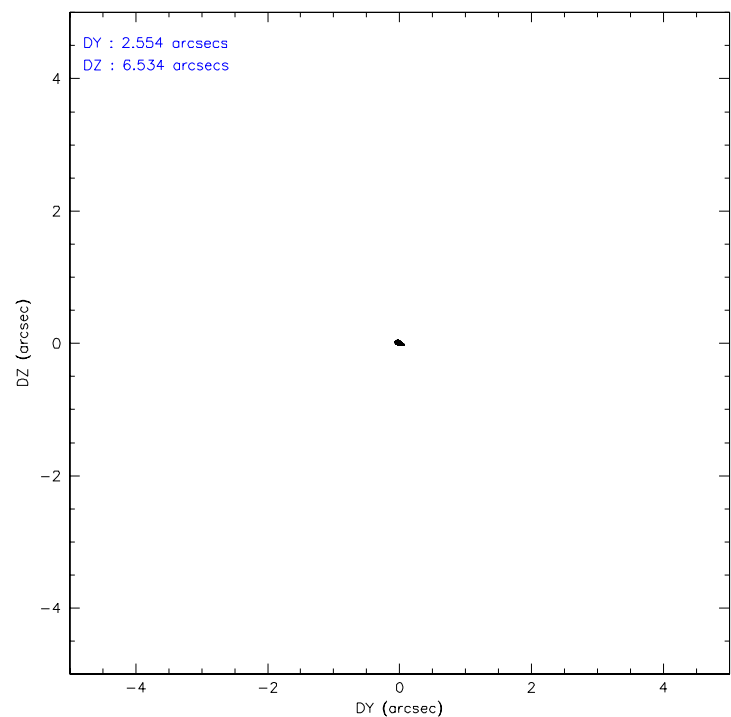
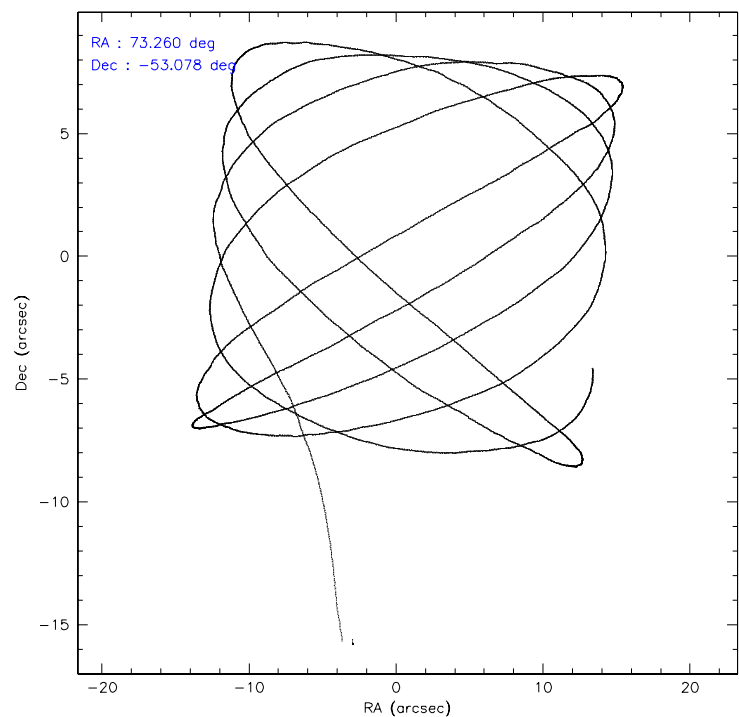
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|-------|-------|-------|-------|-------|-------|
| level 1 events | 18214 | 21100 | 20017 | 21304 | 21870 | 29551 |
| rejected events | 15434 | 18261 | 17390 | 18509 | 19232 | 17183 |
| rejected % | 84% | 86% | 86% | 86% | 87% | 58% |

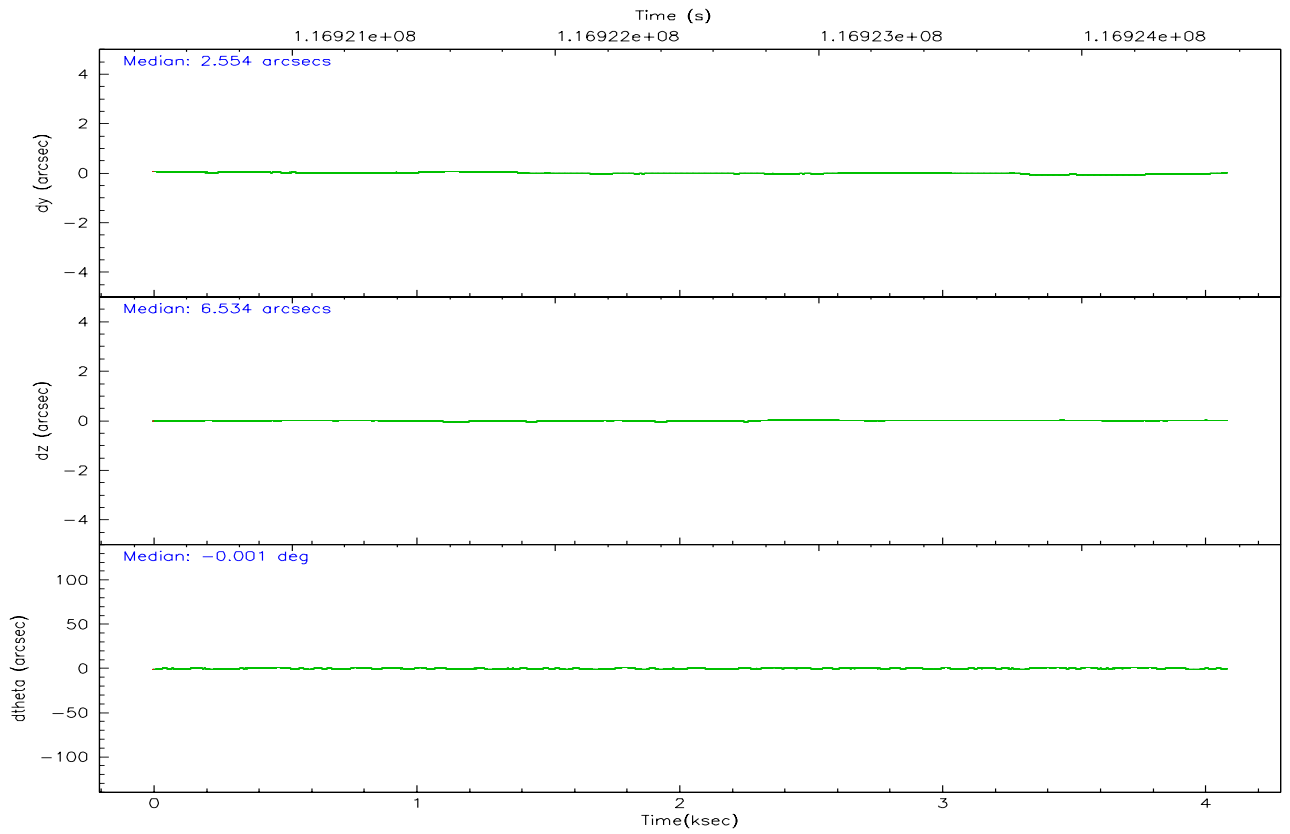
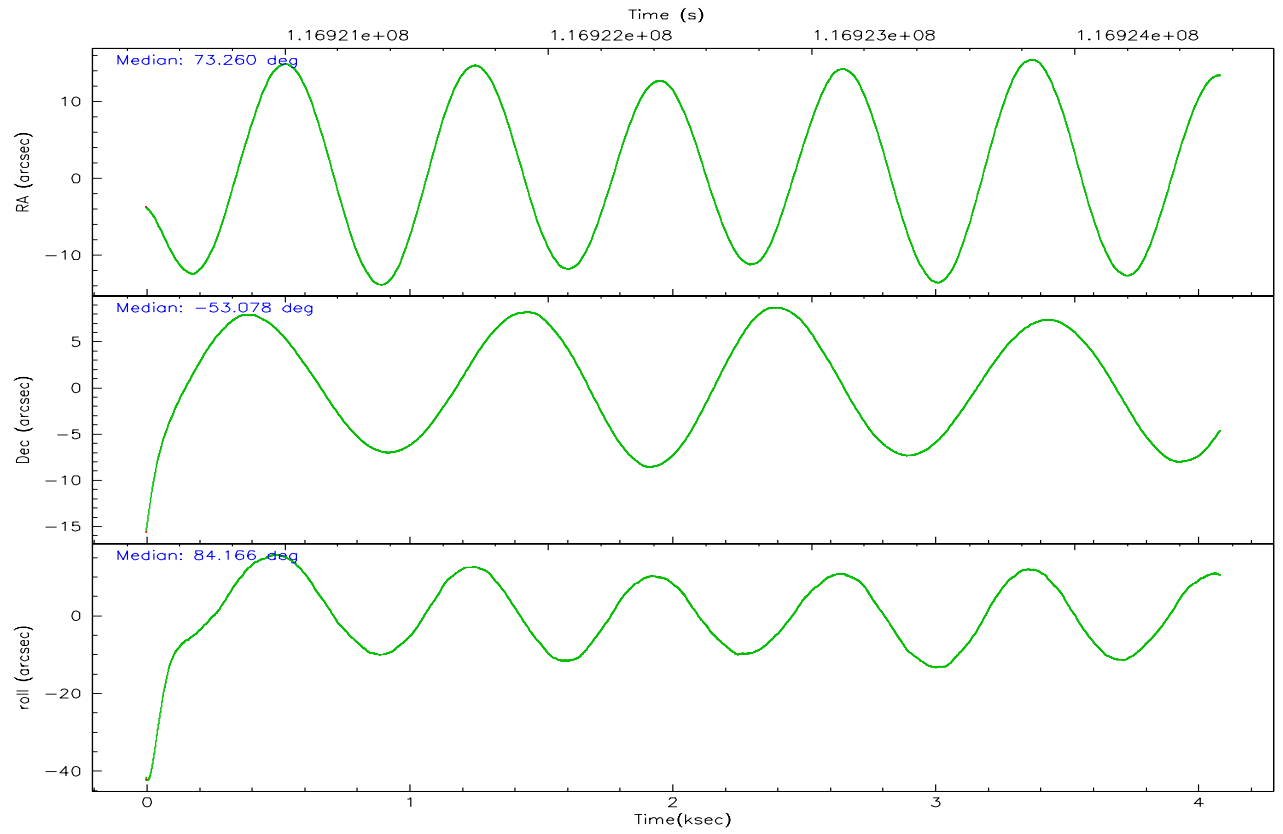
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 1158 | 1211 | 1200 | 1253 | 1078 | 823 |
| | 6% | 5% | 5% | 5% | 4% | 2% |
| grade 1 events | 16 | 11 | 16 | 6 | 8 | 17 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 632 | 606 | 537 | 568 | 575 | 2973 |
| | 3% | 2% | 2% | 2% | 2% | 10% |
| grade 3 events | 248 | 248 | 233 | 272 | 234 | 645 |
| | 1% | 1% | 1% | 1% | 1% | 2% |
| grade 4 events | 255 | 268 | 219 | 263 | 239 | 654 |
| | 1% | 1% | 1% | 1% | 1% | 2% |
| grade 5 events | 808 | 860 | 737 | 855 | 873 | 1980 |
| | 4% | 4% | 3% | 4% | 3% | 6% |
| grade 6 events | 493 | 510 | 444 | 444 | 516 | 7302 |
| | 2% | 2% | 2% | 2% | 2% | 24% |
| grade 7 events | 14604 | 17386 | 16631 | 17643 | 18347 | 15157 |
| | 80% | 82% | 83% | 82% | 83% | 51% |

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 | Number of optional ACIS chips dropped | 0 | 0 |
| Observation mode | POINTING | POINTING | On-chip summing requested | N | N |
| Pointing RA | 73.279235 | 73.26032085769263 | Subarray requested | NONE | NONE |
| Pointing Dec | -53.103172 | -53.07822067551808 | Alternating exposures requested | N | N |
| Pointing Roll | 83.978061 | 84.17149247430577 | Primary exposure time | 0.000000 | 3.2 |
| 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 | 116921255.184000 | 116919999.34078 | | | |
| Observation start date | 2001-09-15T06:06:31 | 2001-09-15T05:46:39 | | | |
| Observation end time | 116924555.184000 | 116924930.10347 | | | |
| Observation end date | 2001-09-15T07:01:31 | 2001-09-15T07:08:50 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



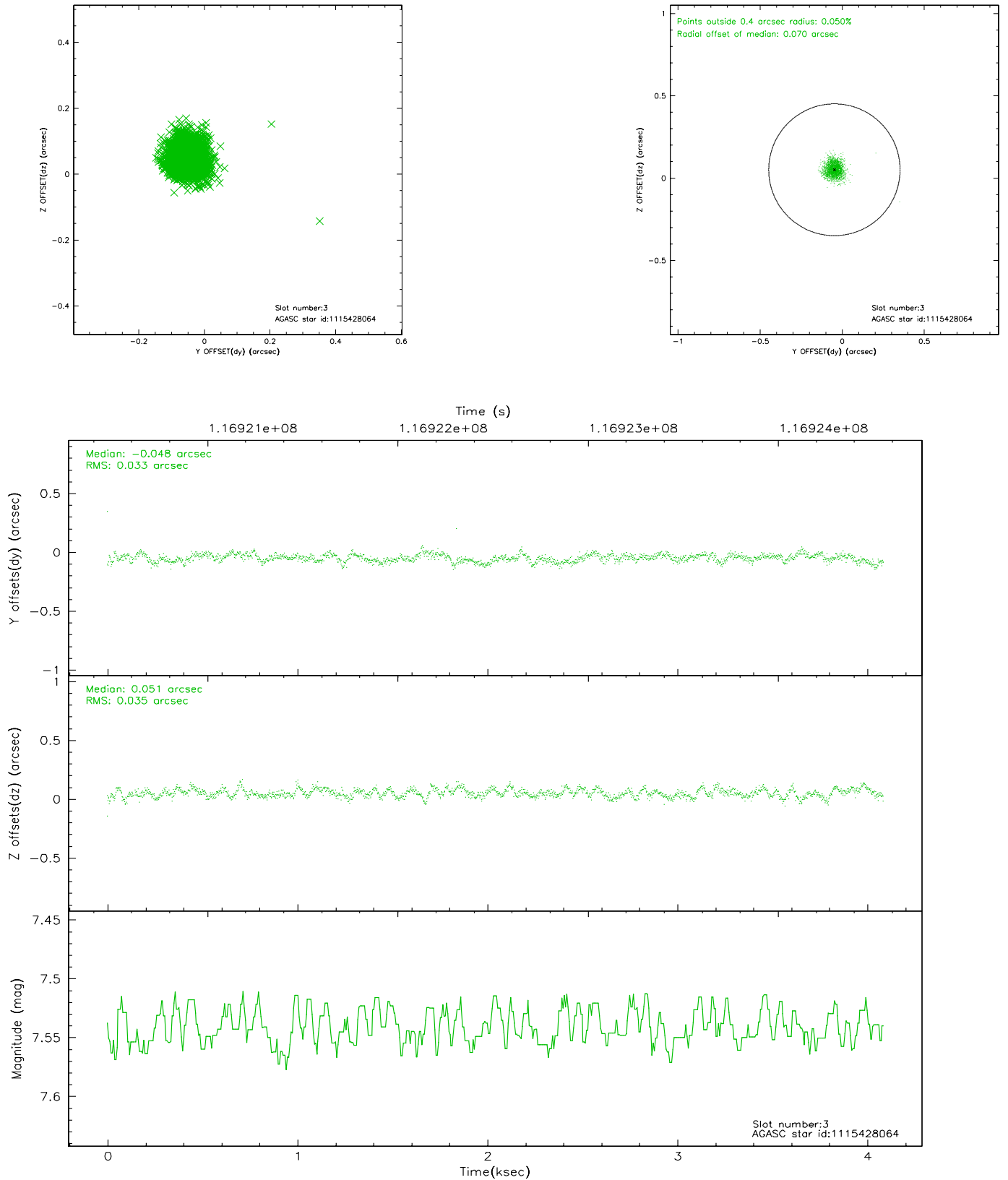


Slot Statistics

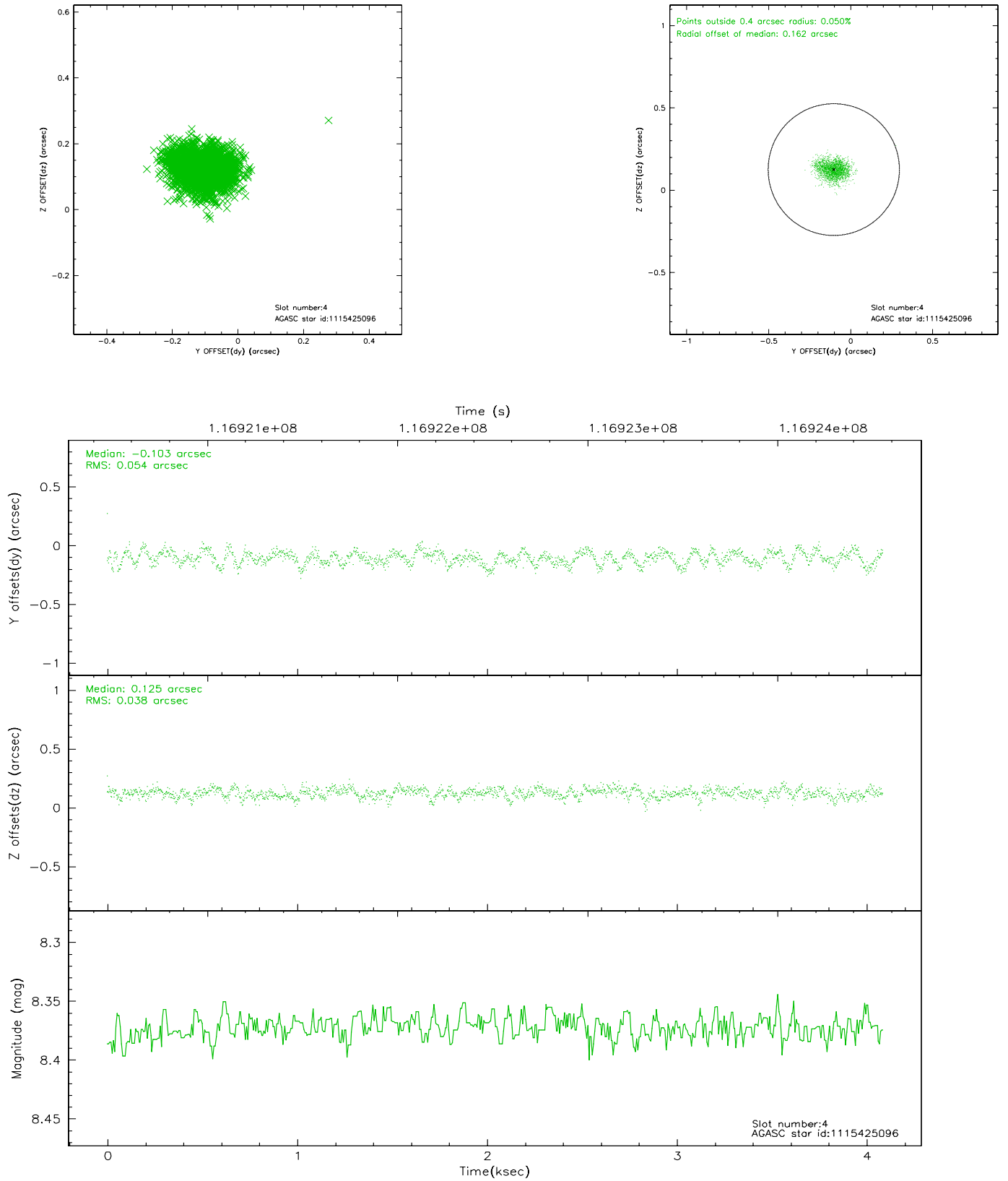
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|-------|-------|--------|--------|-------|-------|-----------|------------|----------|----------|
| 0 | FID | ACIS-I-1 | 7.25 | 997 | -0.026 | 0.046 | 0.005 | 0.010 | 0.000000 | 0.000000 | 937.21 | -829.89 |
| 1 | FID | ACIS-I-5 | 7.24 | 997 | -0.009 | 0.041 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1810.00 | 1066.89 |
| 2 | FID | ACIS-I-6 | 7.26 | 997 | -0.056 | -0.017 | 0.006 | 0.010 | 0.000000 | 0.000000 | 401.12 | 1713.02 |
| 3 | GUIDE | 1115428064 | 7.54 | 1991 | -0.048 | 0.051 | 0.051 | 0.080 | 74.135555 | -53.027377 | 455.48 | -1816.16 |
| 4 | GUIDE | 1115425096 | 8.37 | 1990 | -0.103 | 0.125 | 0.071 | 0.114 | 74.021498 | -52.547271 | 2153.15 | -1407.48 |
| 5 | GUIDE | 1115426192 | 8.16 | 1994 | -0.107 | -0.122 | 0.054 | 0.089 | 72.675828 | -52.627795 | 1559.49 | 1489.64 |
| 6 | GUIDE | 1115429648 | 9.01 | 1993 | 0.096 | -0.121 | 0.076 | 0.123 | 72.495760 | -53.281703 | -824.03 | 1609.24 |
| 7 | GUIDE | 1115438120 | 10.49 | 1993 | 0.160 | 0.064 | 0.132 | 0.213 | 73.579137 | -53.535702 | -1482.34 | -800.86 |

2.4 Star Slots

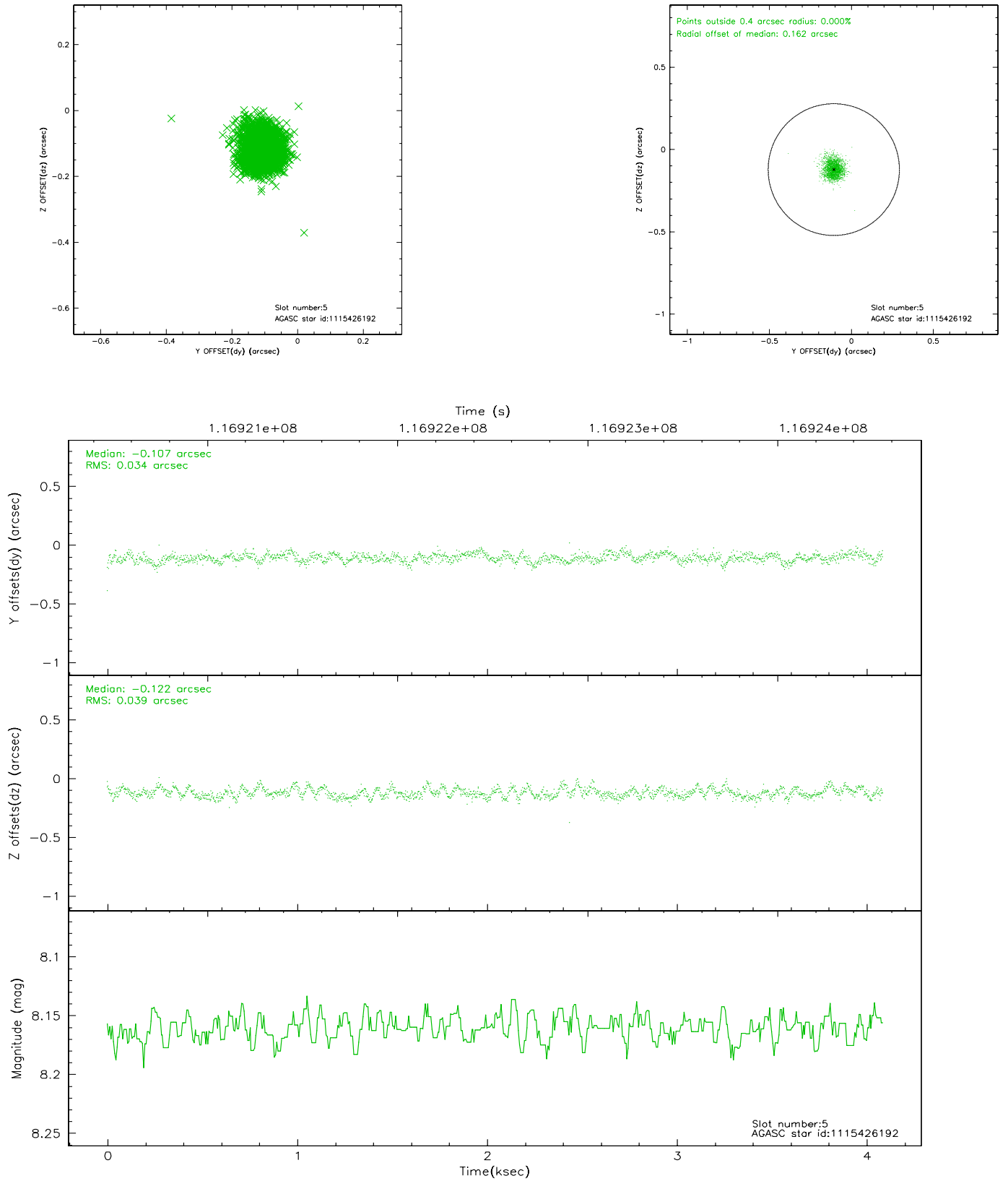
2.4.1 Slot 3



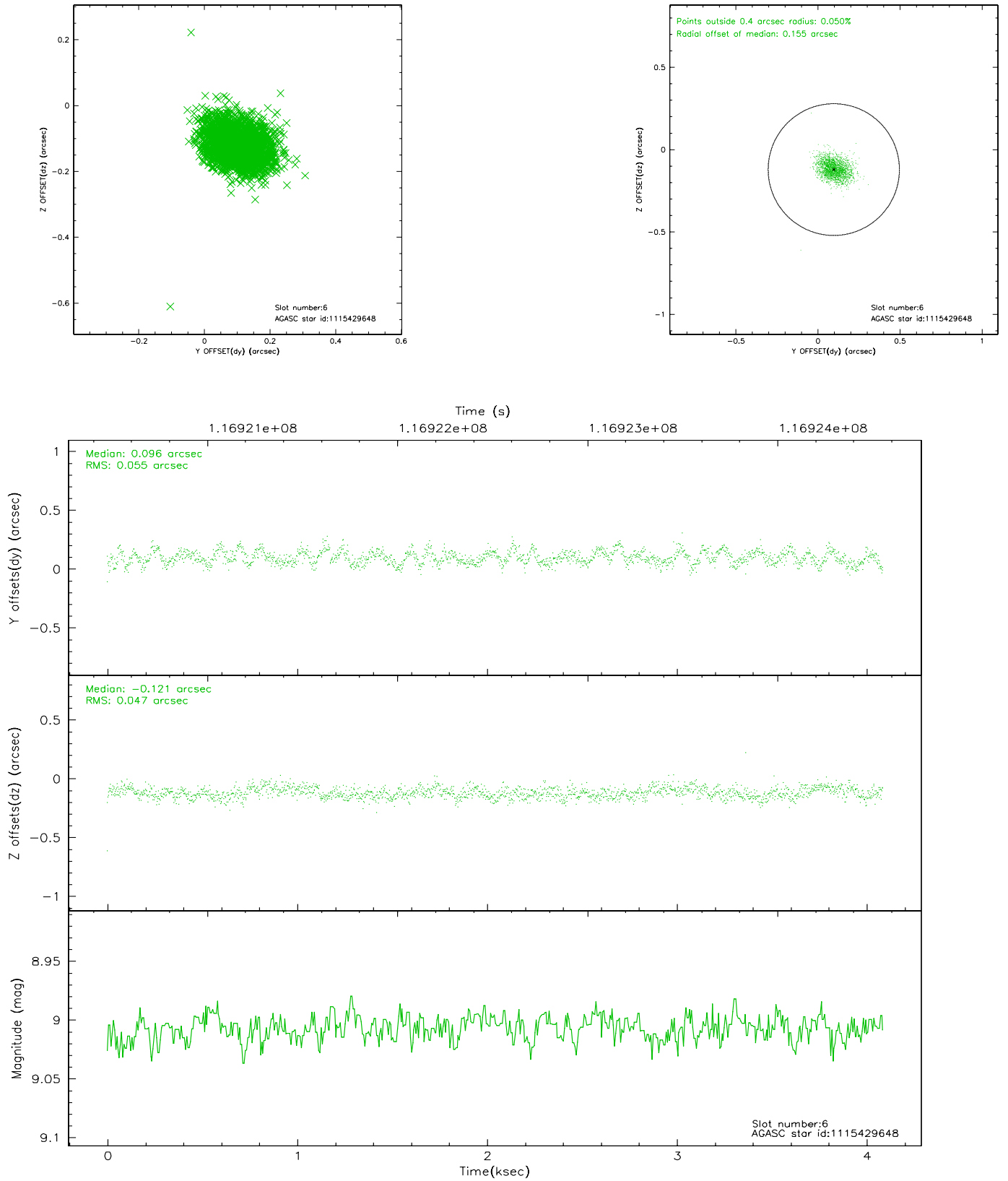
2.4.2 Slot 4



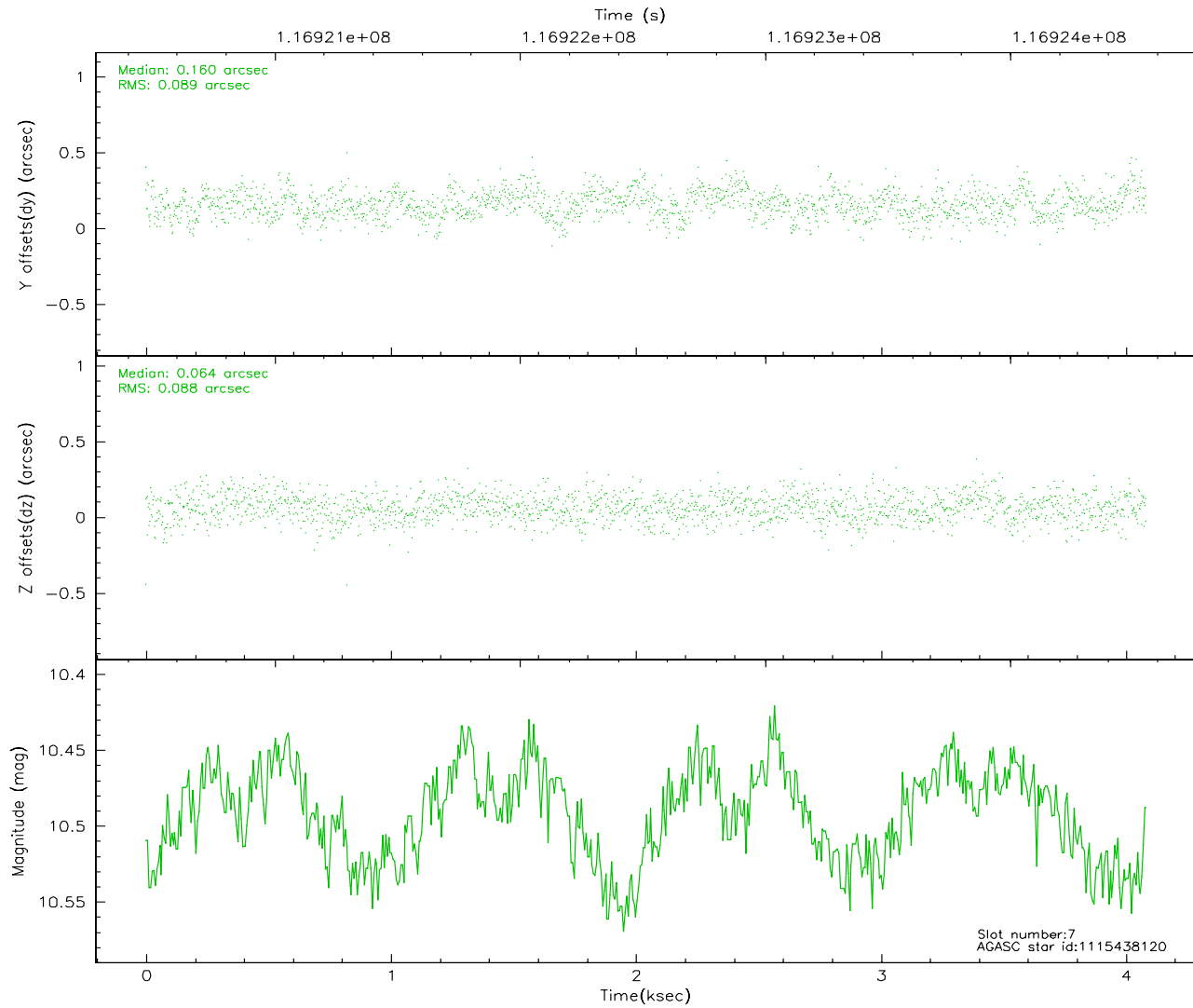
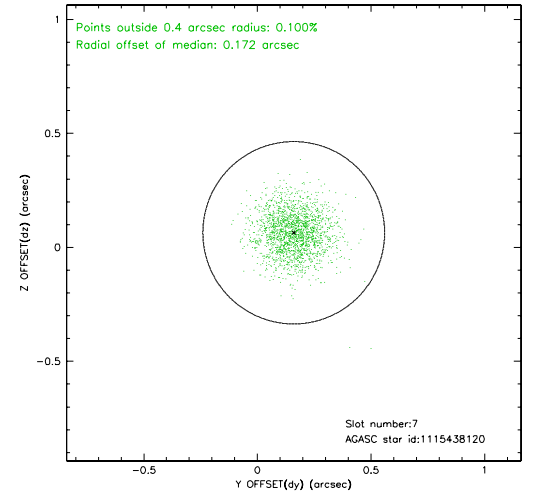
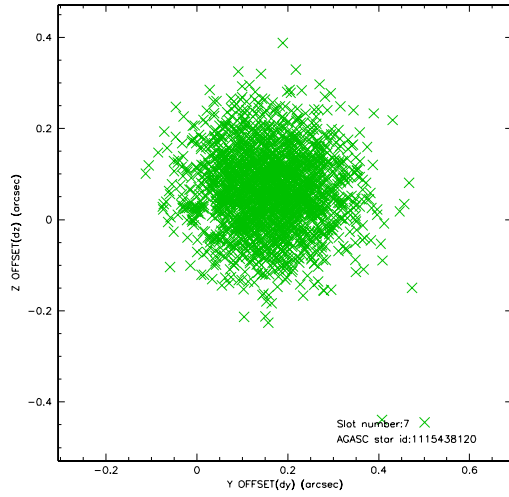
2.4.3 Slot 5



2.4.4 Slot 6

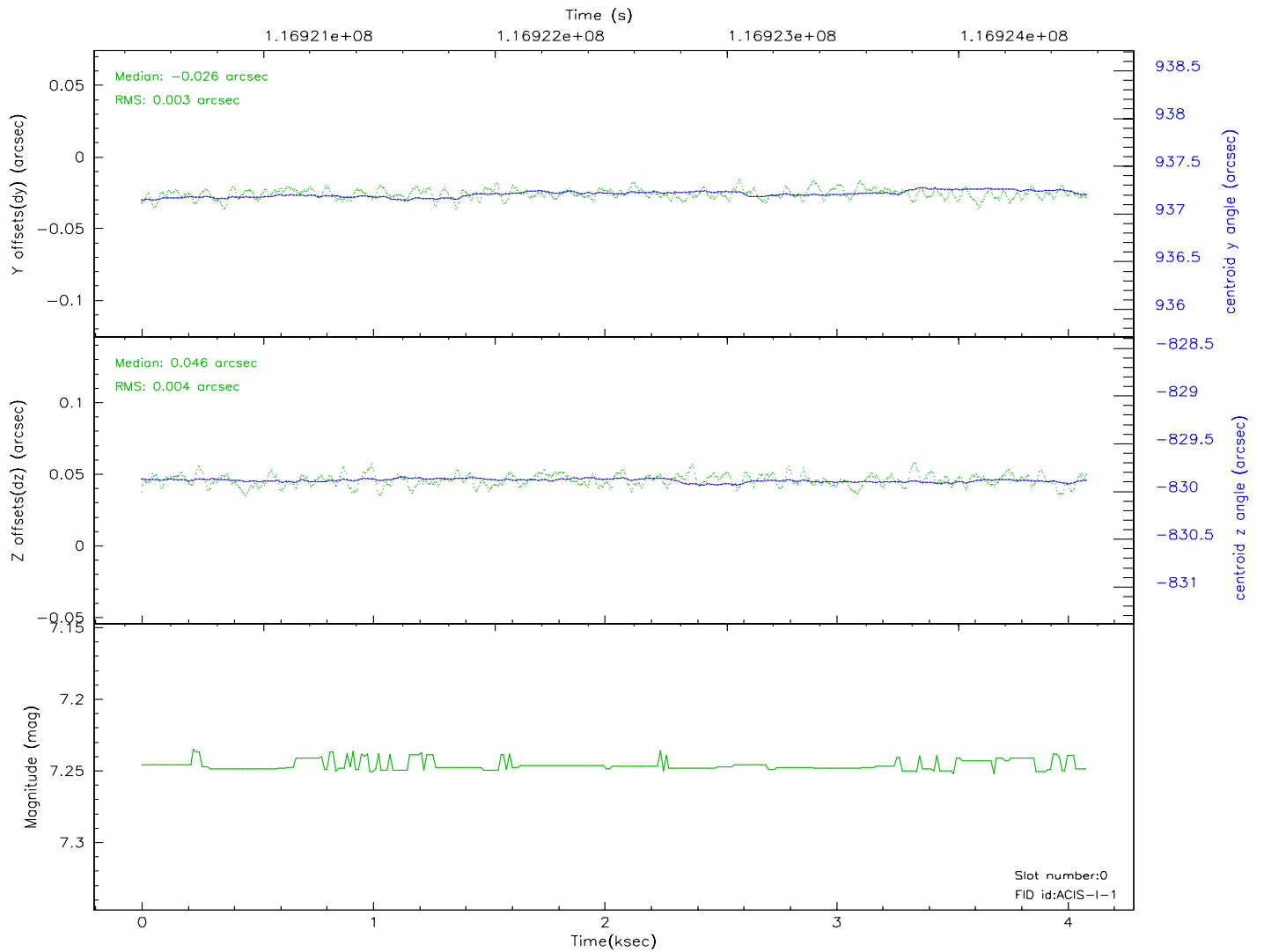
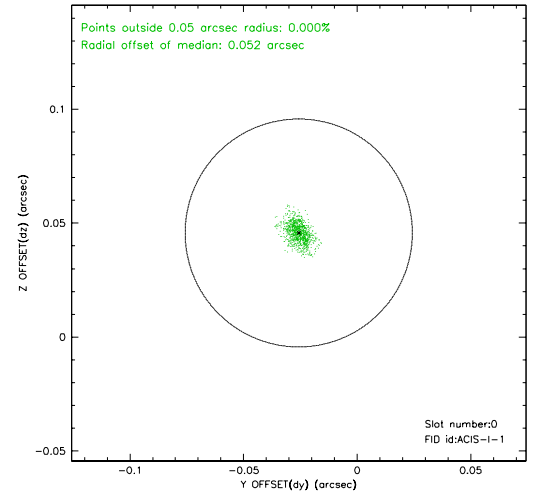
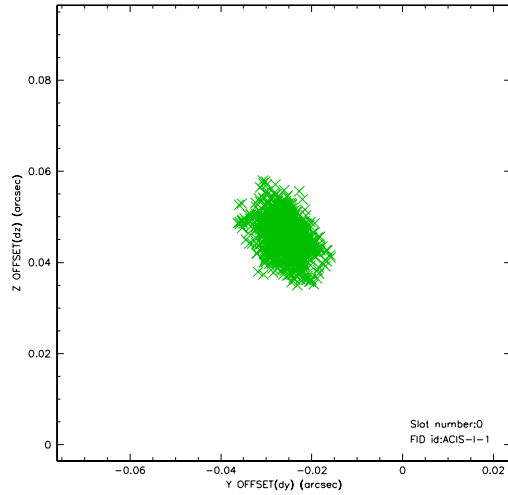


2.4.5 Slot 7

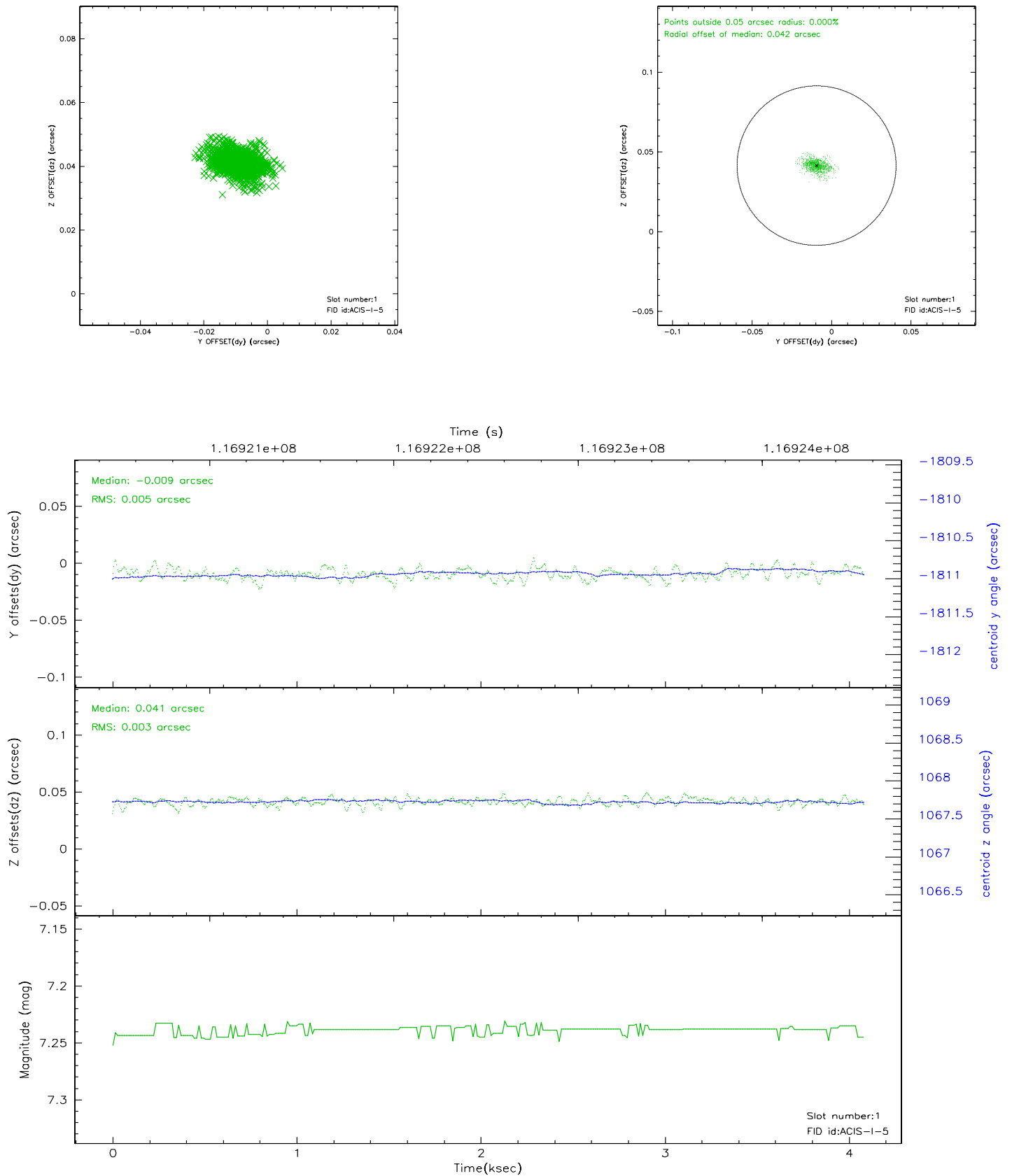


2.5 FID Slots

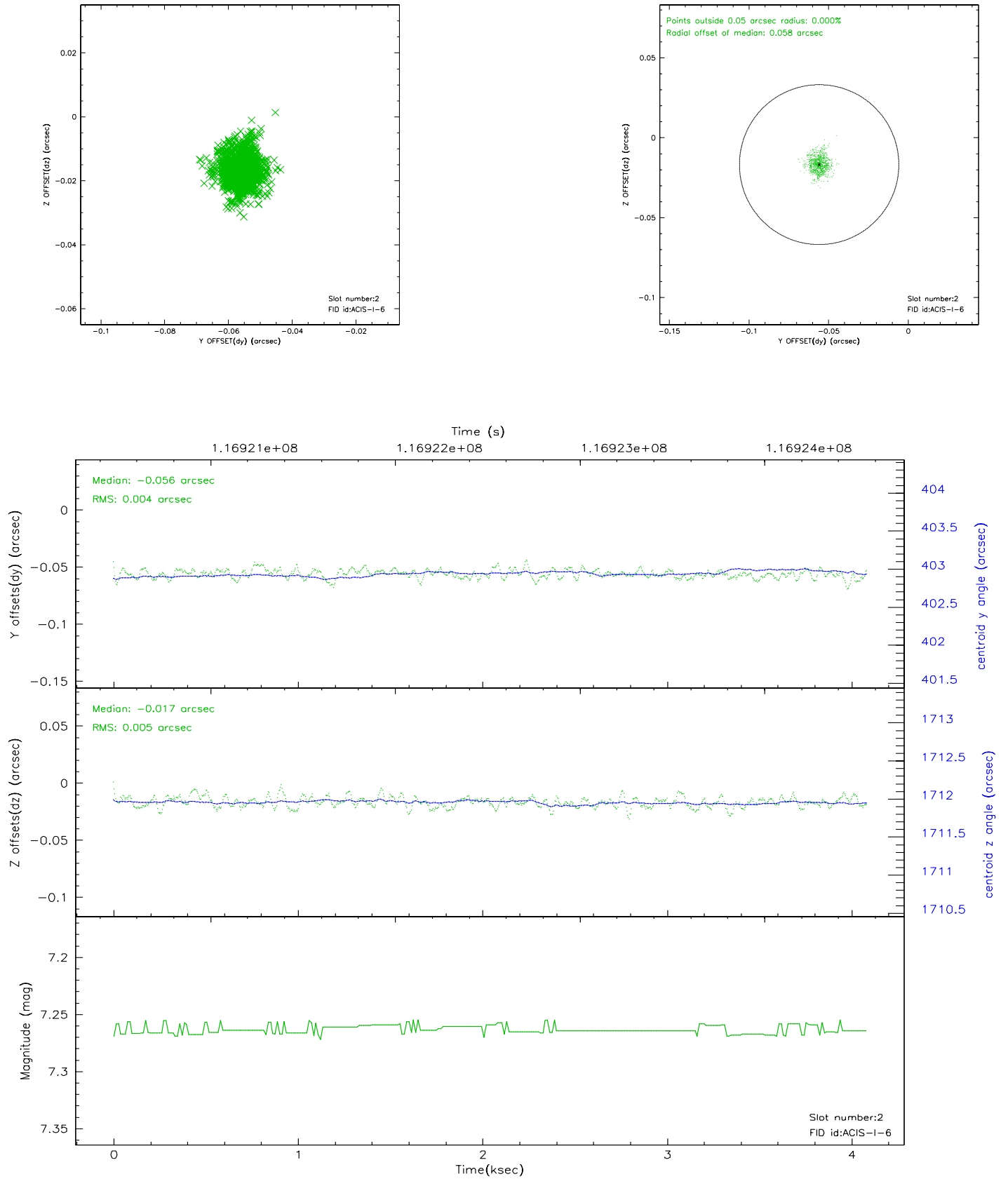
2.5.1 Slot 0



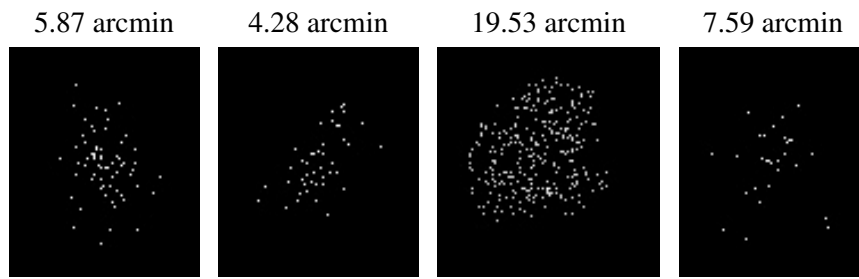
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2007.01.04 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 3.25 |

A.2 Comments