

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2256 - L2 Version 001
Chandra X-Ray Center

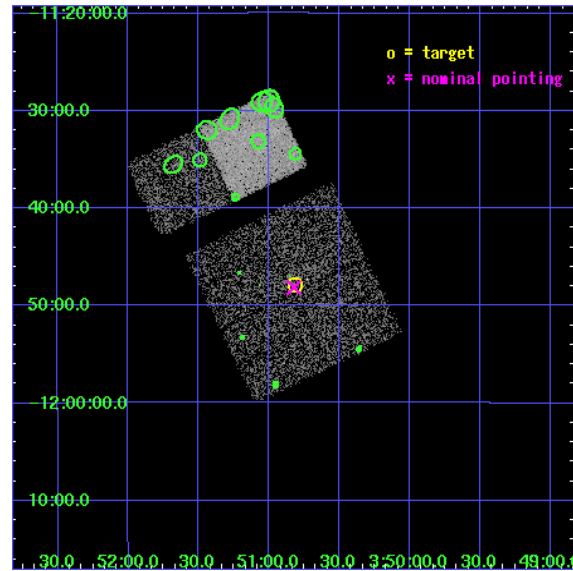
L2 Processing Date : Jun 19 2007

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1 Front

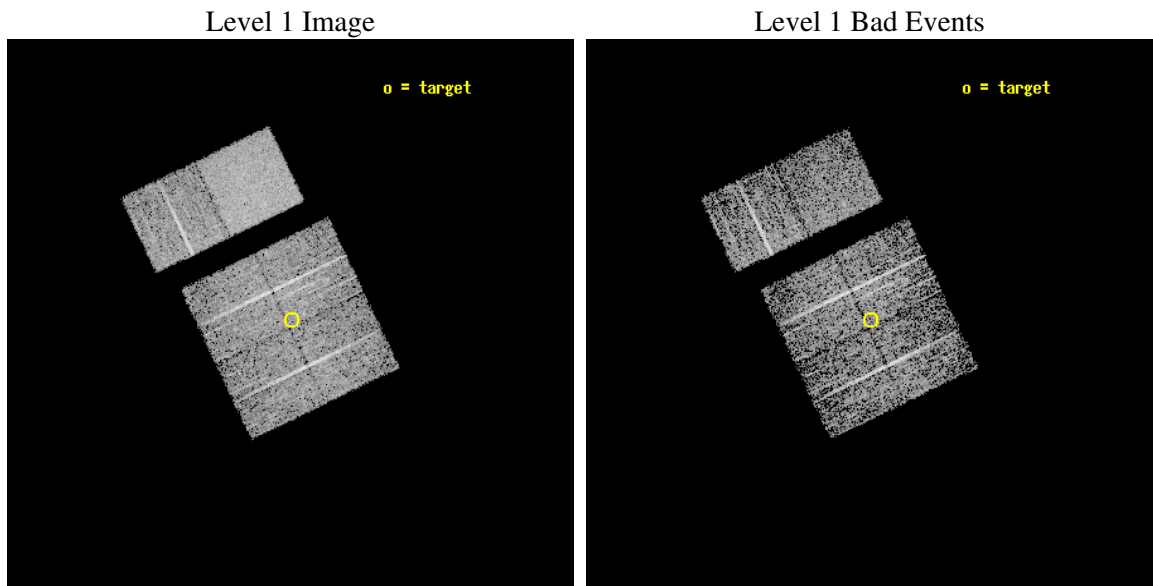
| | |
|----------|----------------------------------------------------------------|
| seq_num | 900083 |
| obs_id | 2256 |
| title | CHANDRA OBSERVATION OF HARD X-RAY SOURCES DISCOVERED WITH ASCA |
| observer | Dr Yoshihiro Ueda |
| object | AGX~J035048-1147 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 57.7025 |
| dec_targ | -11.798806 |
| ra_nom | 57.705884018724 |
| dec_nom | -11.802433121333 |
| roll_nom | 334.39575303503 |
| revision | 2 |
| ontime | 4054.400003776 |
| livetime | 4003.0607496616 |
| ontime0 | 4054.400003776 |
| ontime1 | 4054.400003776 |
| ontime2 | 4054.400003776 |
| ontime3 | 4054.400003776 |
| ontime6 | 4054.400003776 |
| ontime7 | 4054.400003776 |
| l2events | 29448 |



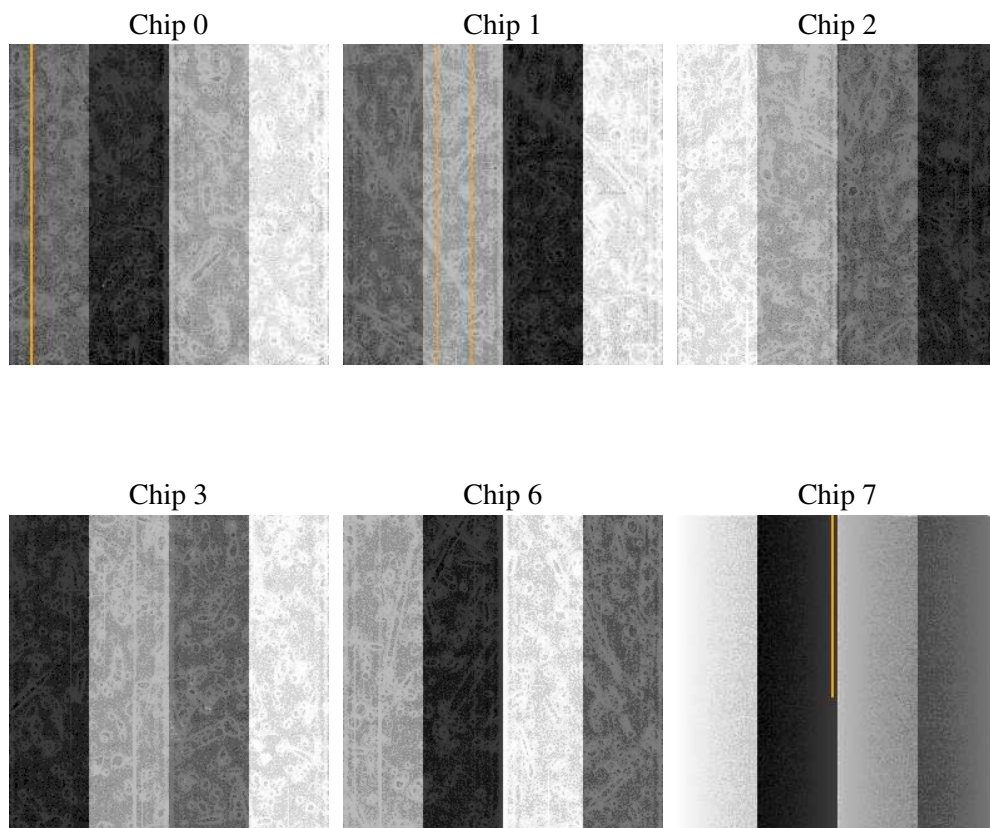
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.10 |
| caldsver | 3.4.0 |
| date | 2007-06-19T20:38:36 |
| revision | 2 |

| | |
|----------------|----------------|
| sched_exp_time | 4100.000000 |
| ontime | 4054.400003776 |
| ontime0 | 4054.400003776 |
| ontime1 | 4054.400003776 |
| ontime2 | 4054.400003776 |
| ontime3 | 4054.400003776 |
| ontime6 | 4054.400003776 |
| ontime7 | 4054.400003776 |
| l1events | 147107 |

2.1.4 Events

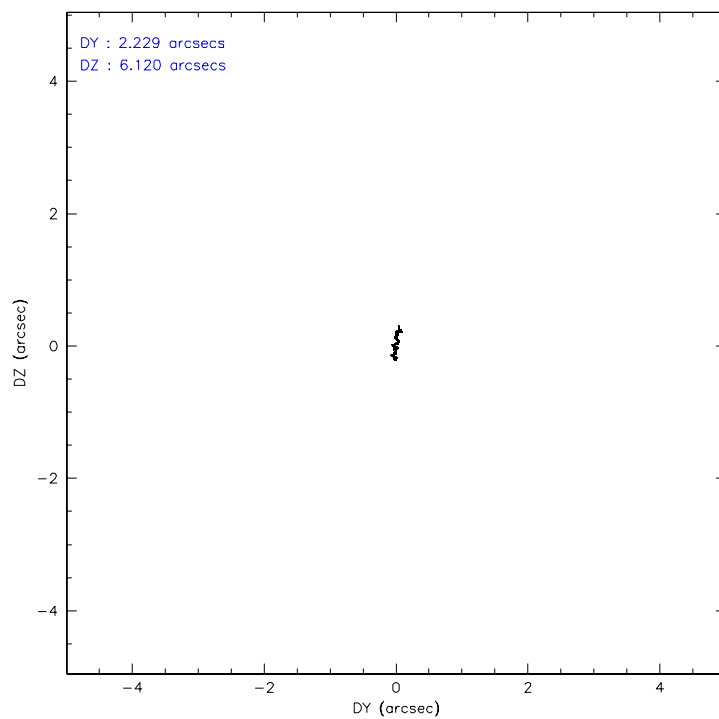
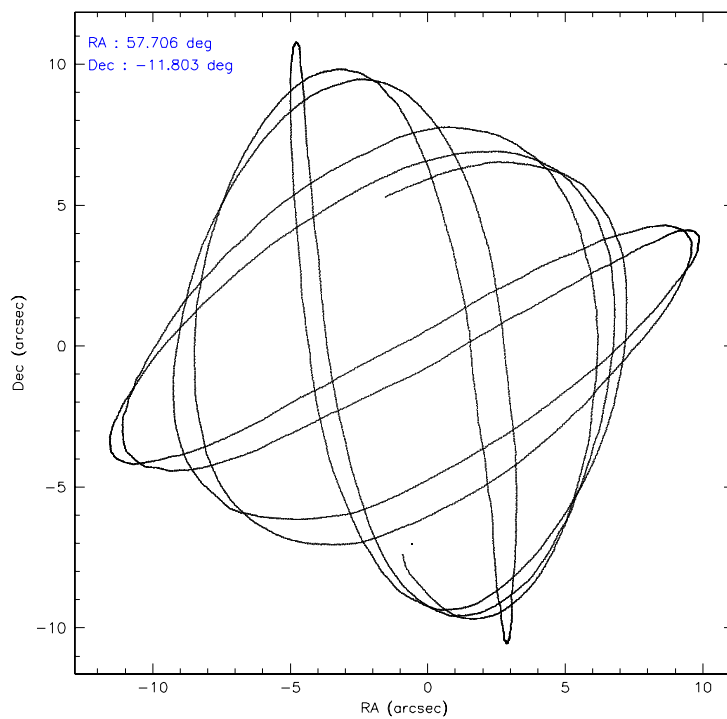
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|-------|-------|-------|-------|-------|-------|
| level 1 events | 20410 | 20803 | 23058 | 24216 | 23922 | 34698 |
| rejected events | 17482 | 17804 | 20285 | 21434 | 20798 | 17505 |
| rejected % | 85% | 85% | 87% | 88% | 86% | 50% |

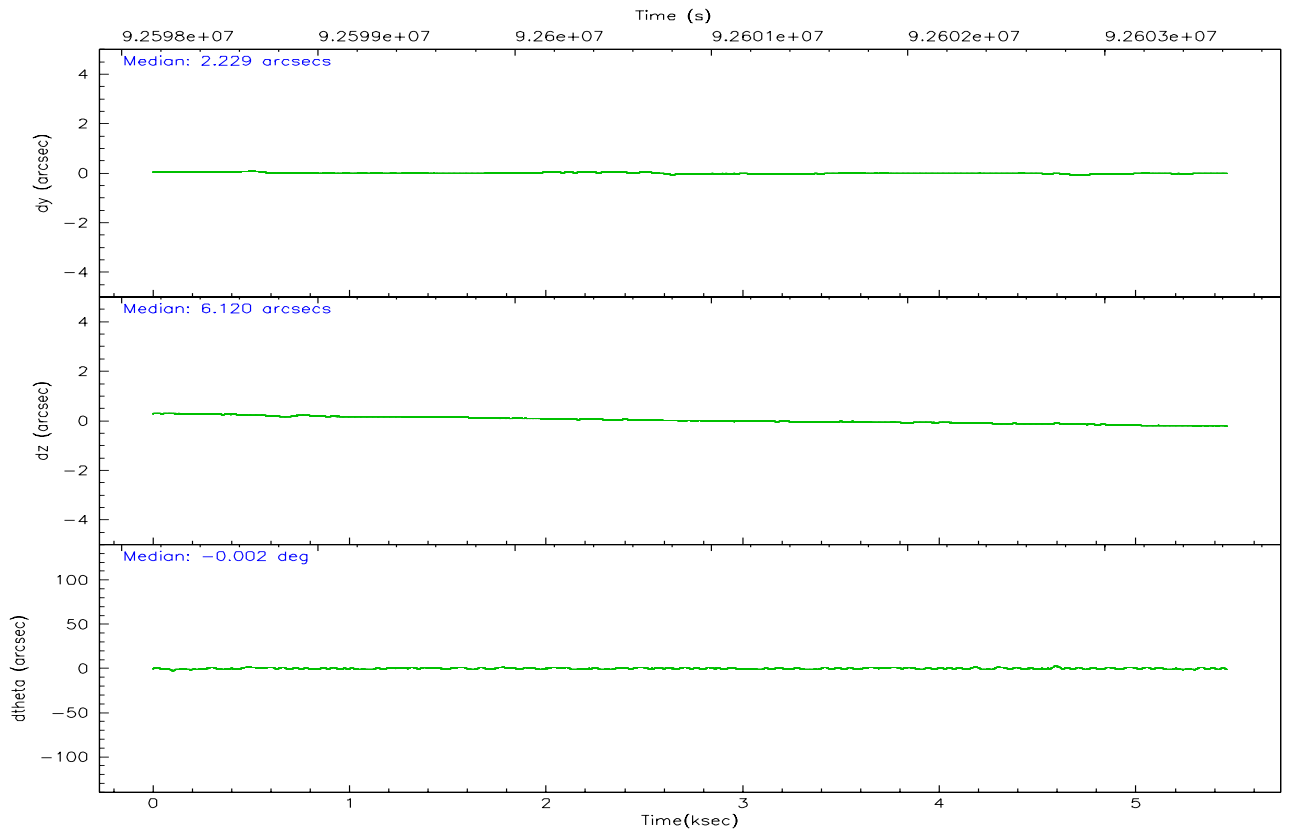
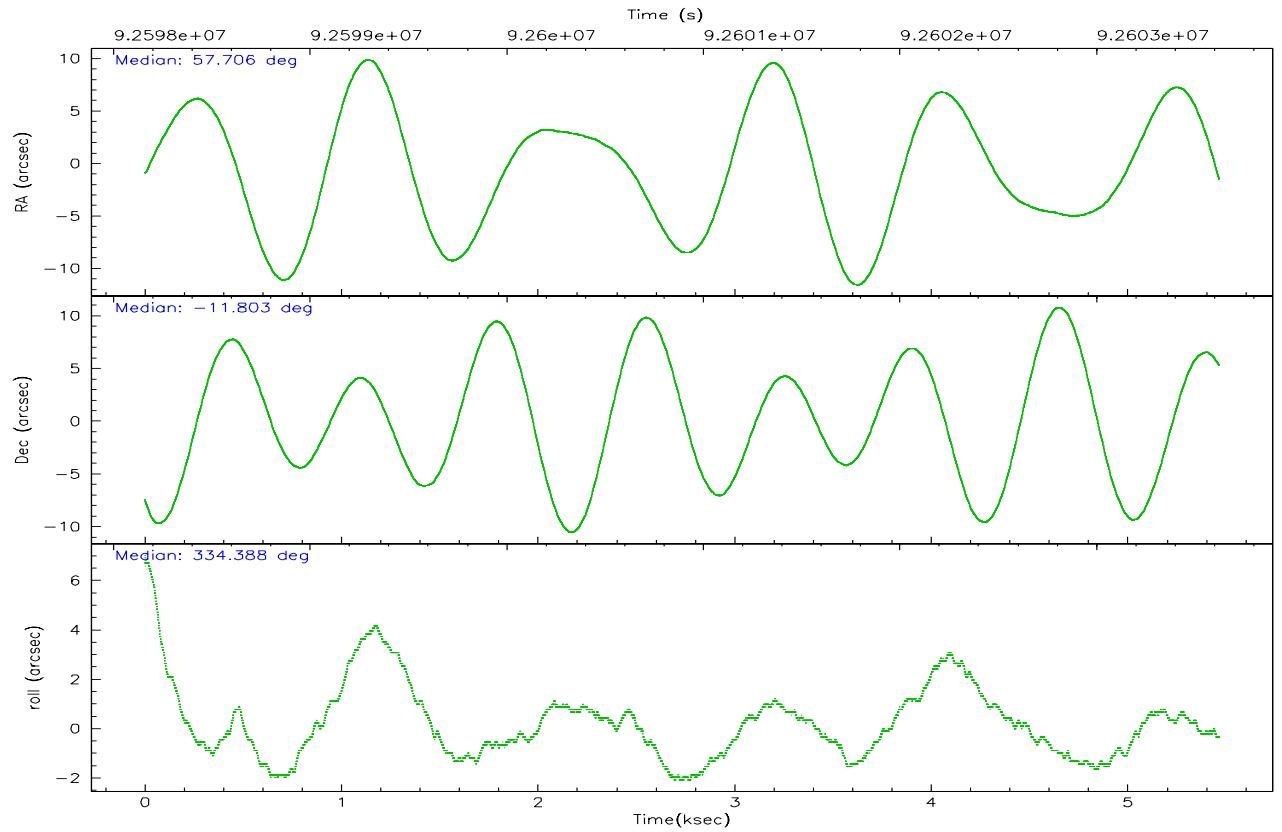
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 1391 | 1281 | 1264 | 1309 | 1389 | 2037 |
| | 6% | 6% | 5% | 5% | 5% | 5% |
| grade 1 events | 8 | 9 | 15 | 14 | 13 | 23 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 584 | 610 | 541 | 505 | 628 | 3470 |
| | 2% | 2% | 2% | 2% | 2% | 10% |
| grade 3 events | 273 | 267 | 248 | 247 | 279 | 1573 |
| | 1% | 1% | 1% | 1% | 1% | 4% |
| grade 4 events | 240 | 293 | 252 | 250 | 279 | 1564 |
| | 1% | 1% | 1% | 1% | 1% | 4% |
| grade 5 events | 789 | 876 | 783 | 927 | 992 | 2897 |
| | 3% | 4% | 3% | 3% | 4% | 8% |
| grade 6 events | 445 | 555 | 479 | 475 | 553 | 8572 |
| | 2% | 2% | 2% | 1% | 2% | 24% |
| grade 7 events | 16680 | 16912 | 19476 | 20489 | 19789 | 14562 |
| | 81% | 81% | 84% | 84% | 82% | 41% |

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 | 57.677753 | 57.70588401872443 | Subarray requested | NONE | NONE |
| Pointing Dec | -11.804486 | -11.80243312133327 | Alternating exposures requested | N | N |
| Pointing Roll | 334.181305 | 334.3957530350308 | 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 | 92599524.184000 | 92597978.396075 | | | |
| Observation start date | 2000-12-07T18:04:20 | 2000-12-07T17:39:38 | | | |
| Observation end time | 92603624.184000 | 92604378.496319 | | | |
| Observation end date | 2000-12-07T19:12:40 | 2000-12-07T19:26:18 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



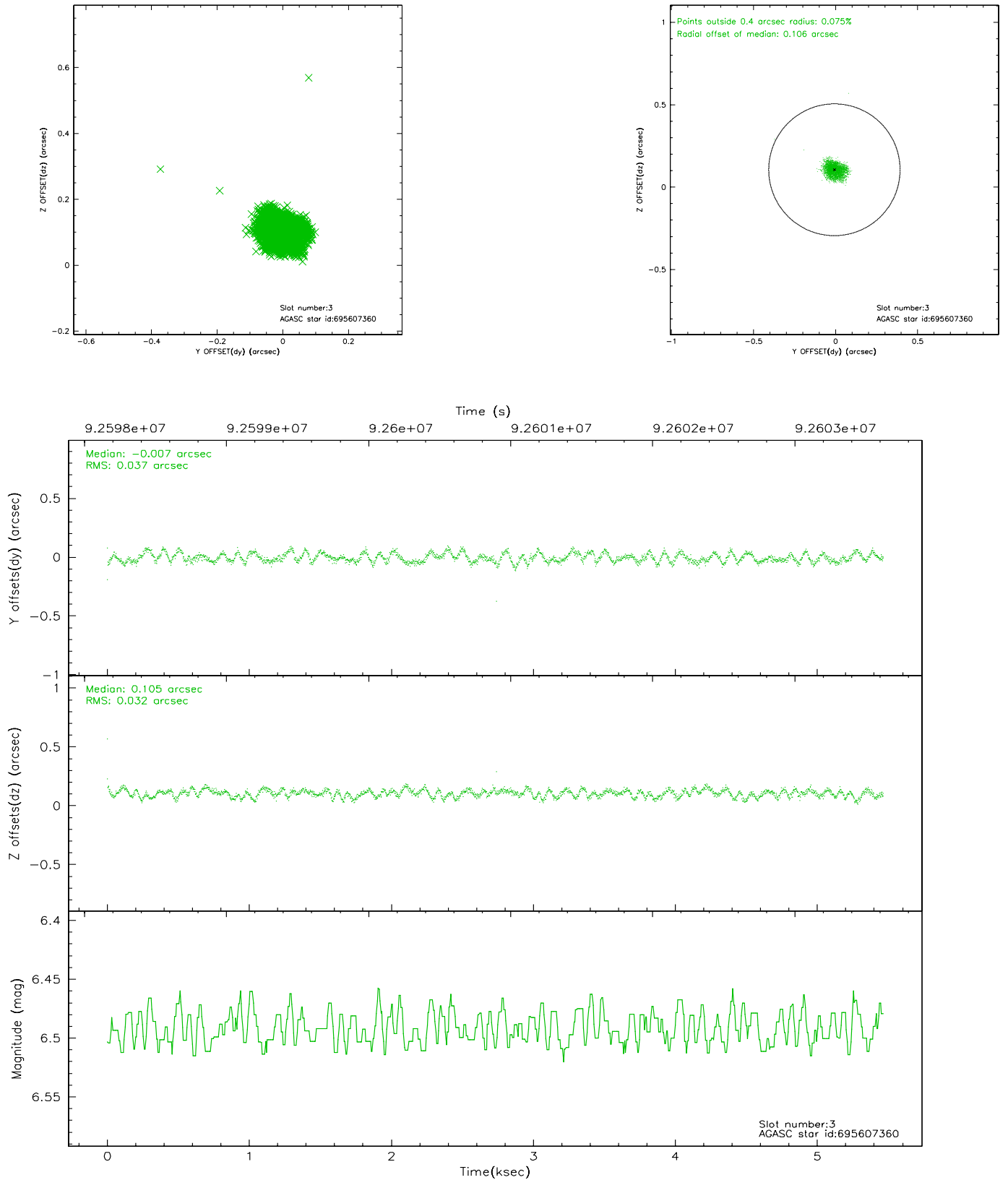


Slot Statistics

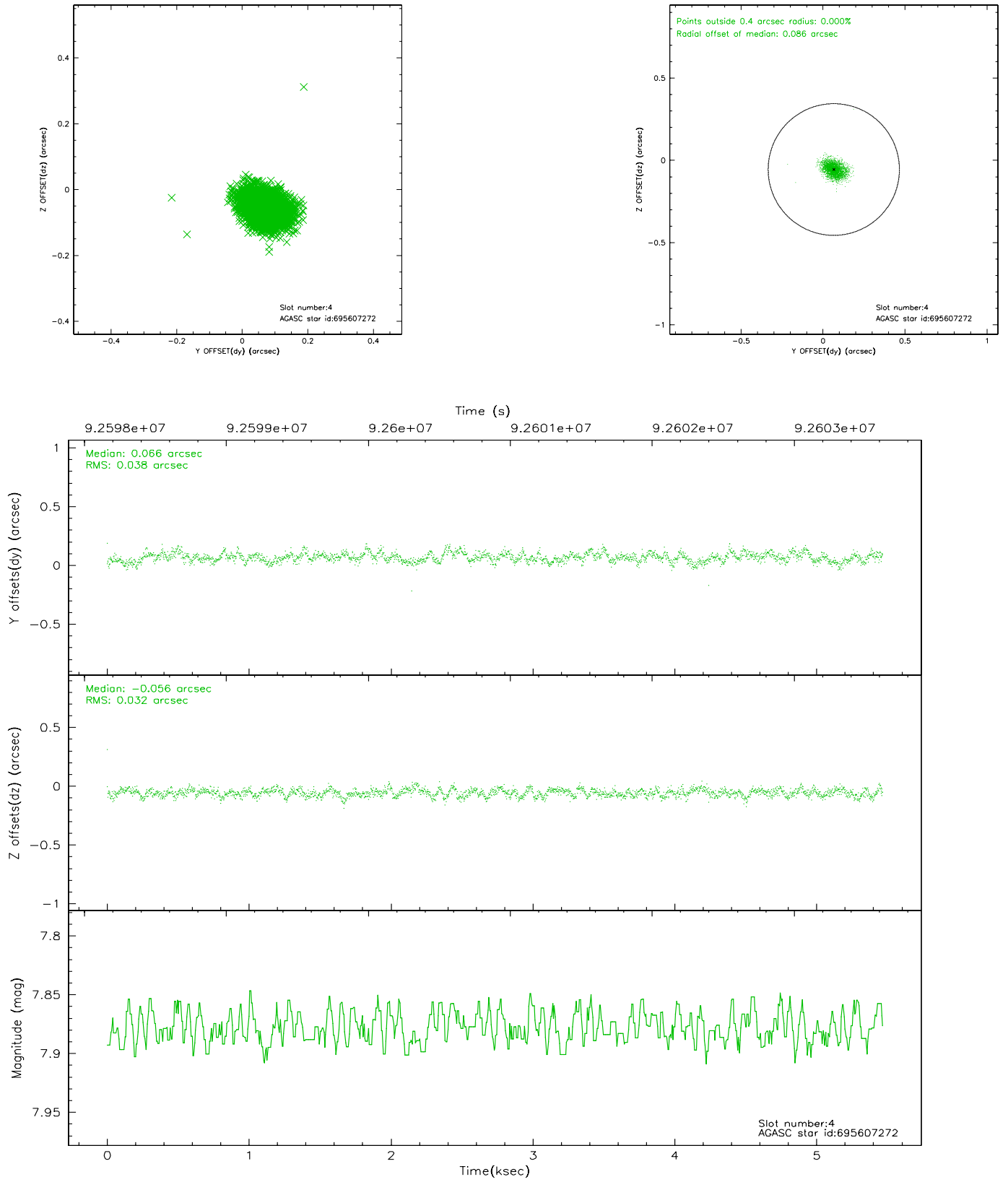
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|-----------|------------|----------|----------|
| 0 | FID | ACIS-I-2 | 7.16 | 1332 | -0.024 | -0.045 | 0.009 | 0.017 | 0.000000 | 0.000000 | -756.61 | -835.93 |
| 1 | FID | ACIS-I-4 | 7.19 | 1333 | -0.057 | 0.035 | 0.005 | 0.009 | 0.000000 | 0.000000 | 2156.91 | 1069.78 |
| 2 | FID | ACIS-I-5 | 7.23 | 1333 | -0.020 | 0.079 | 0.008 | 0.014 | 0.000000 | 0.000000 | -1809.02 | 1068.92 |
| 3 | GUIDE | 695607360 | 6.49 | 2667 | -0.007 | 0.105 | 0.052 | 0.079 | 57.980987 | -11.968093 | 1217.02 | -65.44 |
| 4 | GUIDE | 695607272 | 7.88 | 2666 | 0.066 | -0.056 | 0.052 | 0.085 | 57.646447 | -11.995570 | 199.86 | -667.42 |
| 5 | GUIDE | 695600576 | 8.62 | 2667 | 0.048 | 0.042 | 0.078 | 0.127 | 57.518567 | -11.140332 | -1548.65 | 1906.79 |
| 6 | GUIDE | 695606704 | 8.82 | 2664 | -0.073 | 0.017 | 0.063 | 0.100 | 57.121508 | -11.772196 | -1816.03 | -750.46 |
| 7 | GUIDE | 695605704 | 9.24 | 2665 | -0.029 | -0.109 | 0.068 | 0.112 | 57.218250 | -12.059967 | -1056.69 | -1534.32 |

2.4 Star Slots

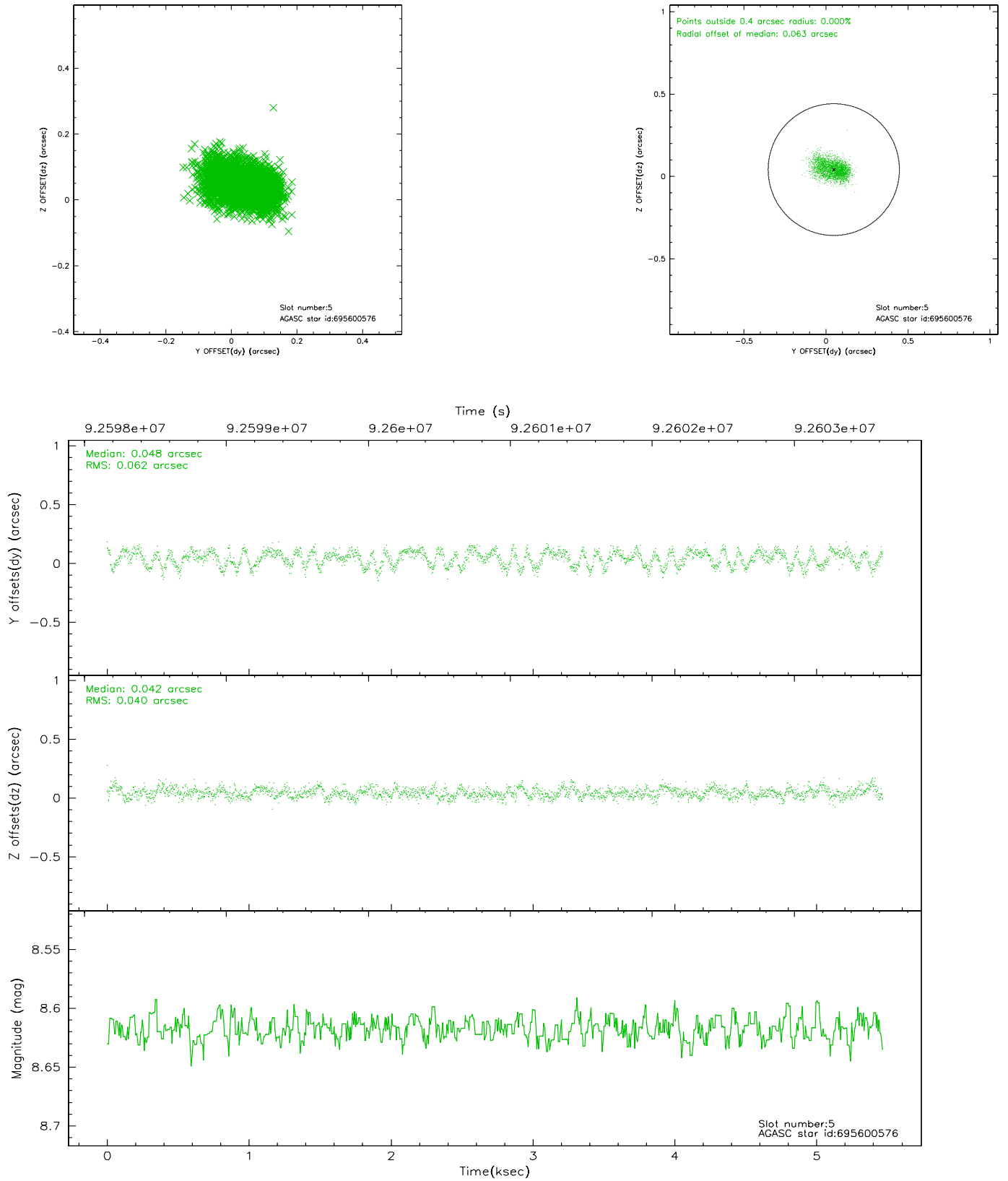
2.4.1 Slot 3



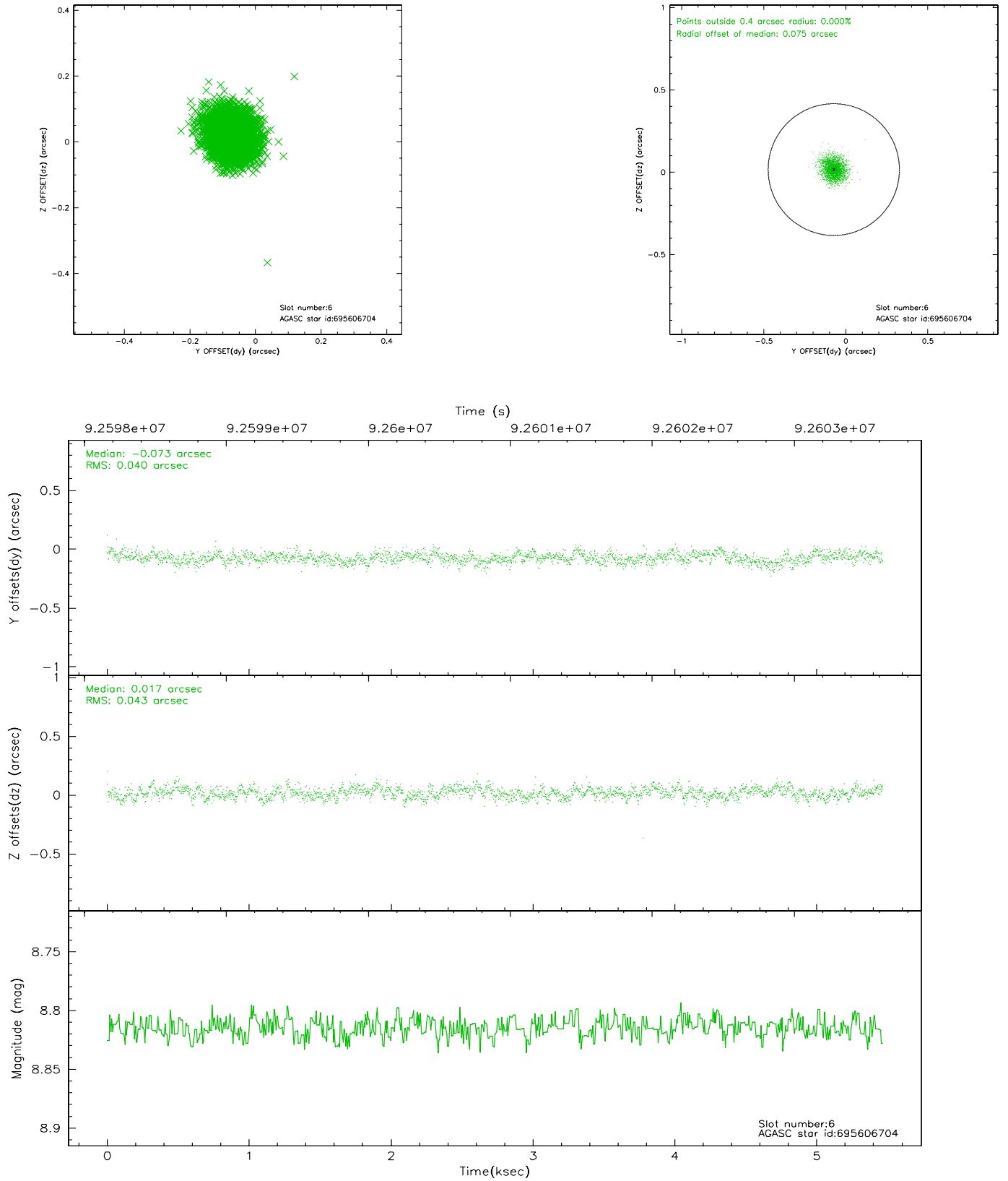
2.4.2 Slot 4



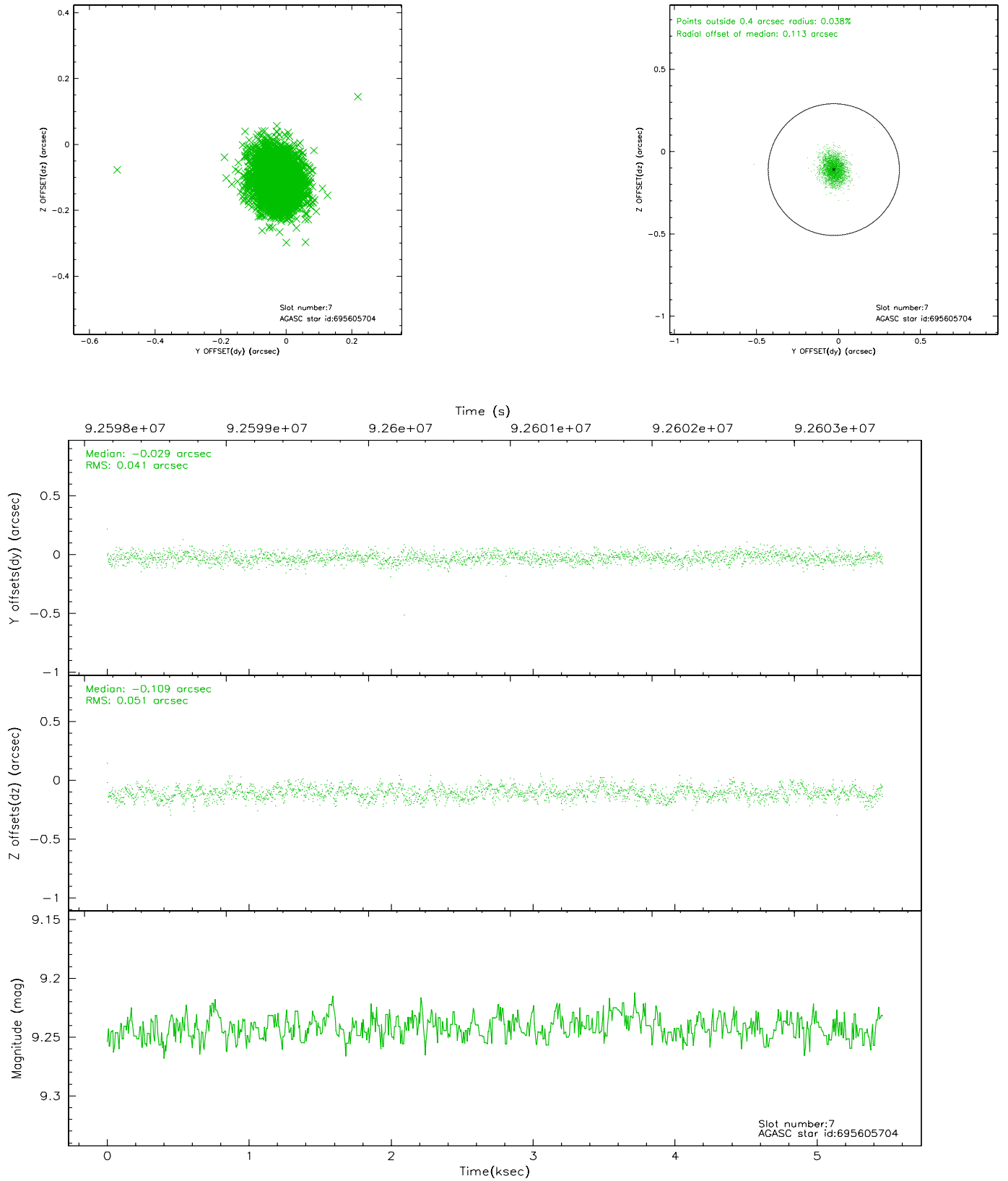
2.4.3 Slot 5



2.4.4 Slot 6

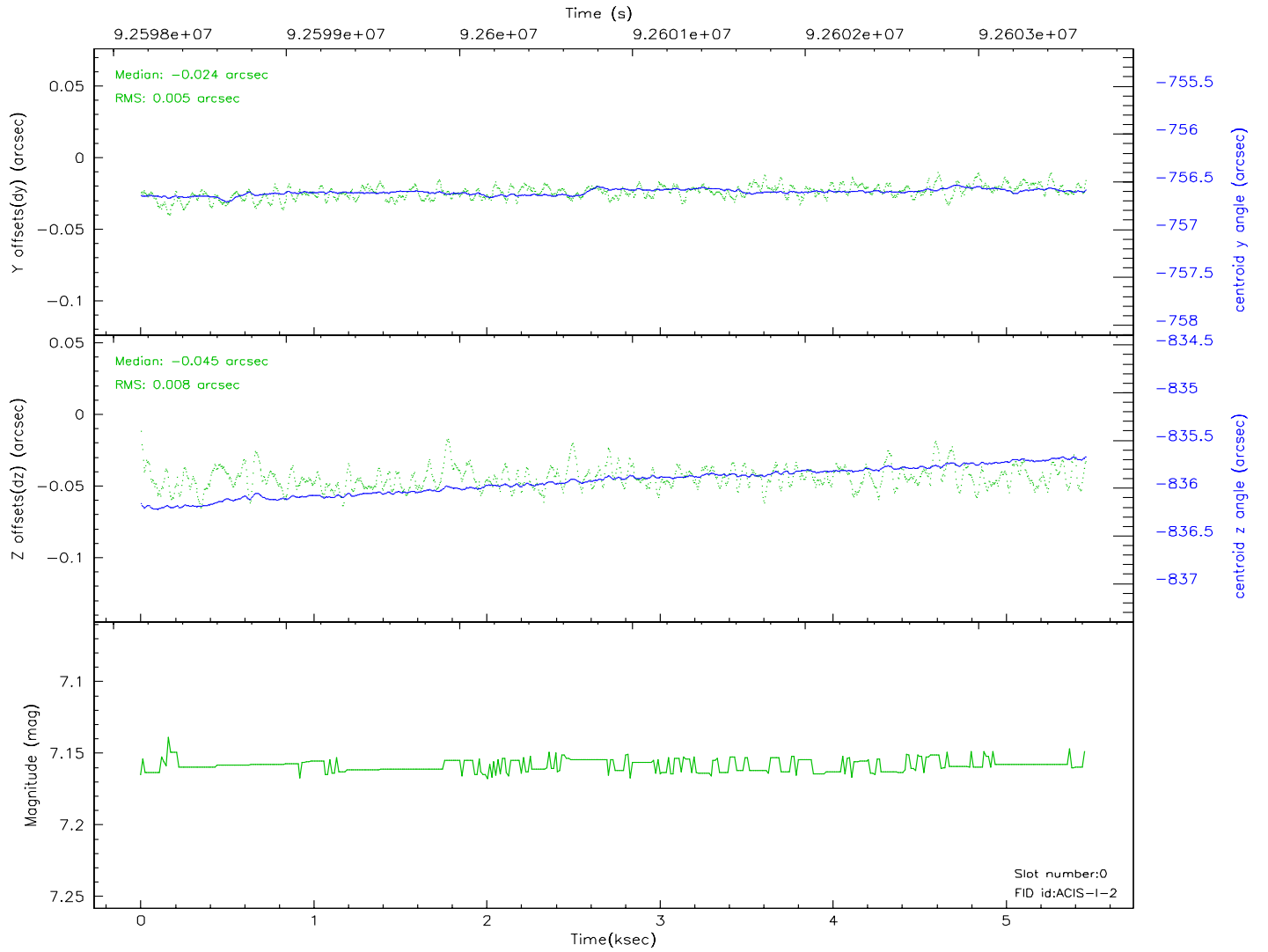
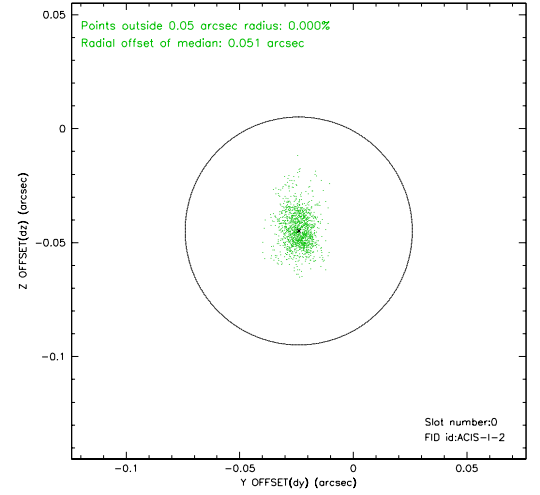
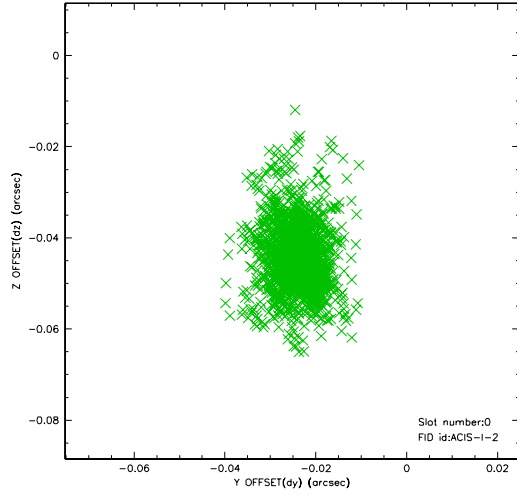


2.4.5 Slot 7

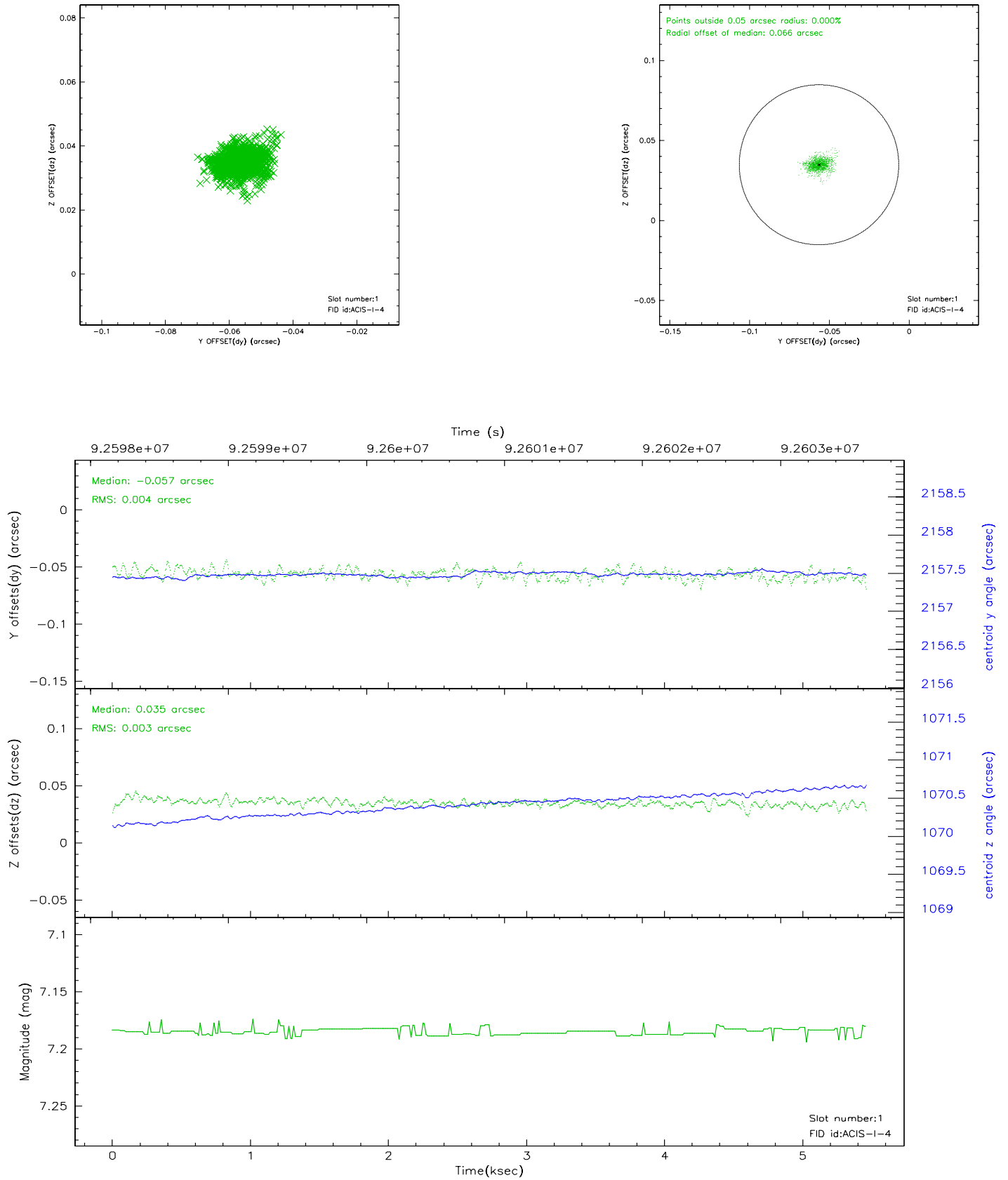


2.5 FID Slots

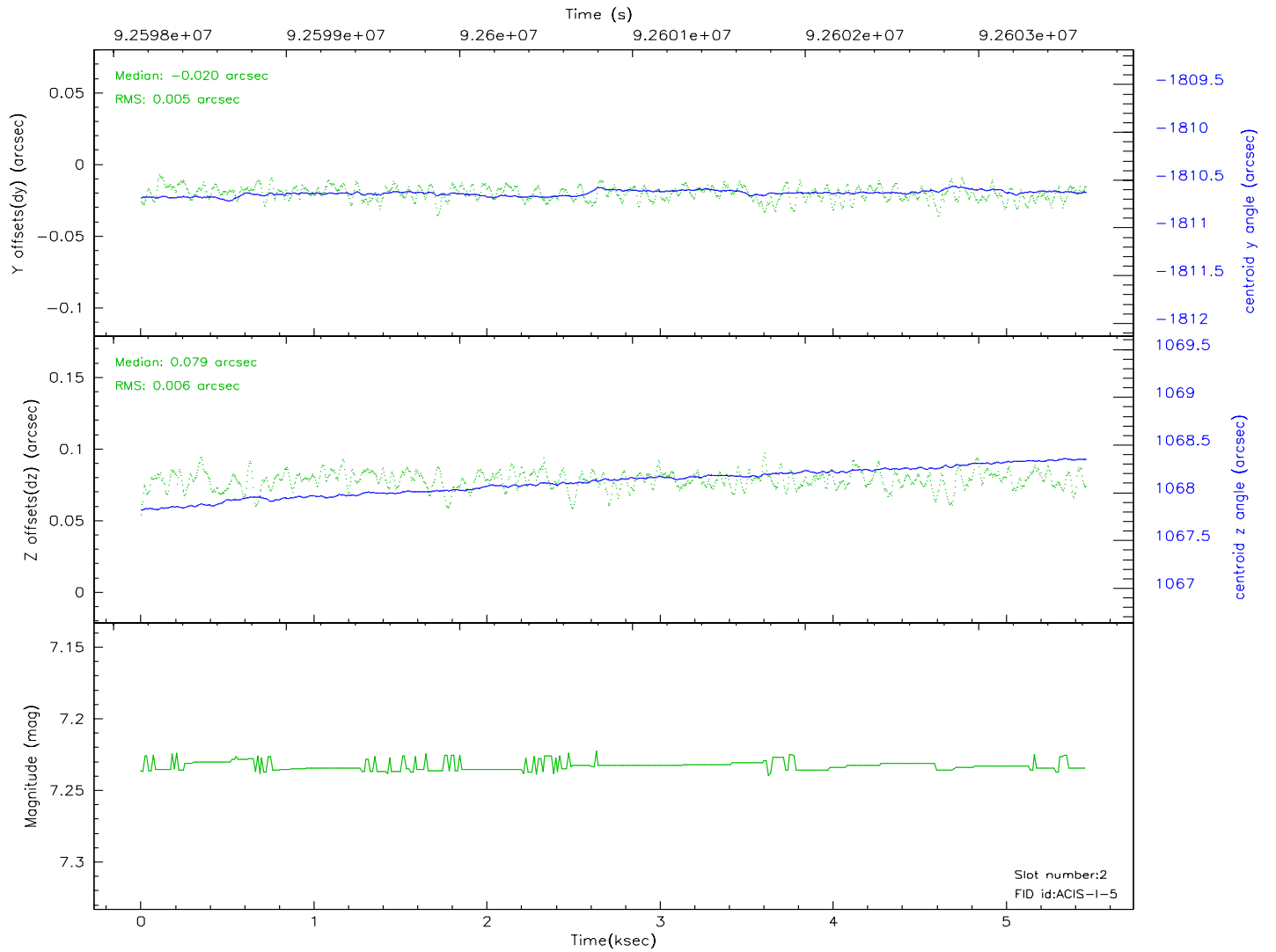
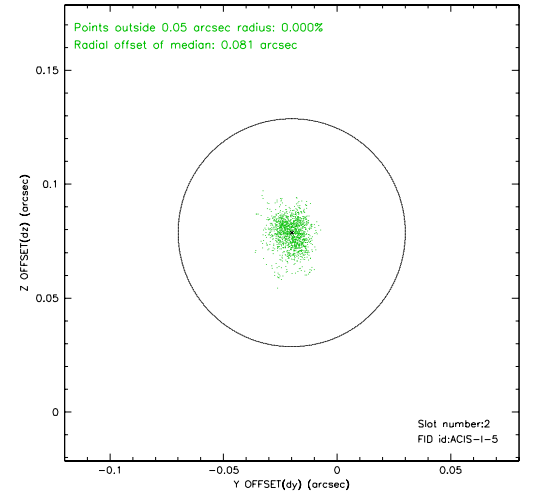
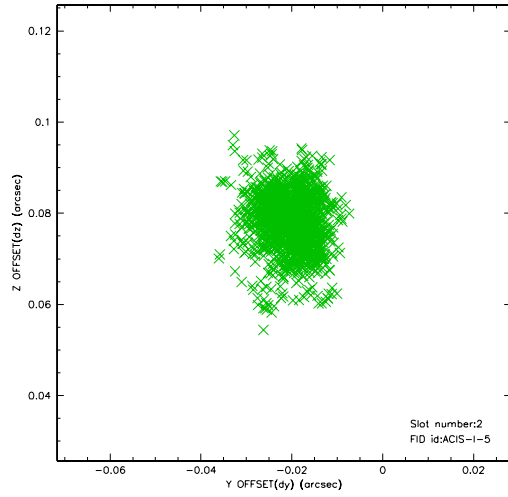
2.5.1 Slot 0



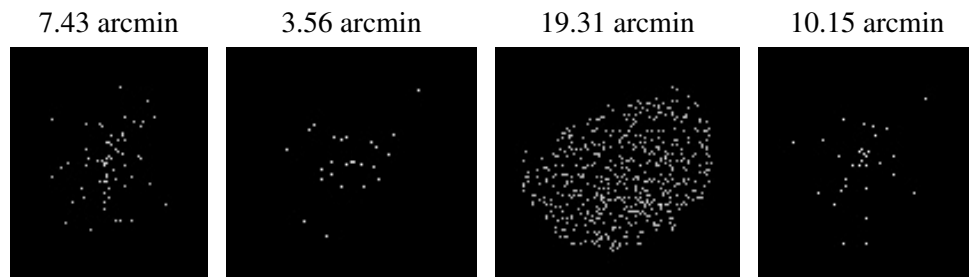
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2007.06.20 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 4.057 |

A.2 Comments