

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 3188 - L2 Version 001
Chandra X-Ray Center

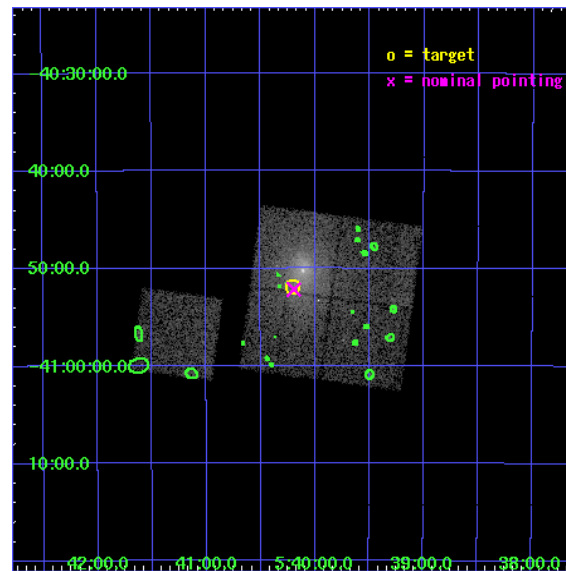
L2 Processing Date : Sep 6 2006

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1 Front

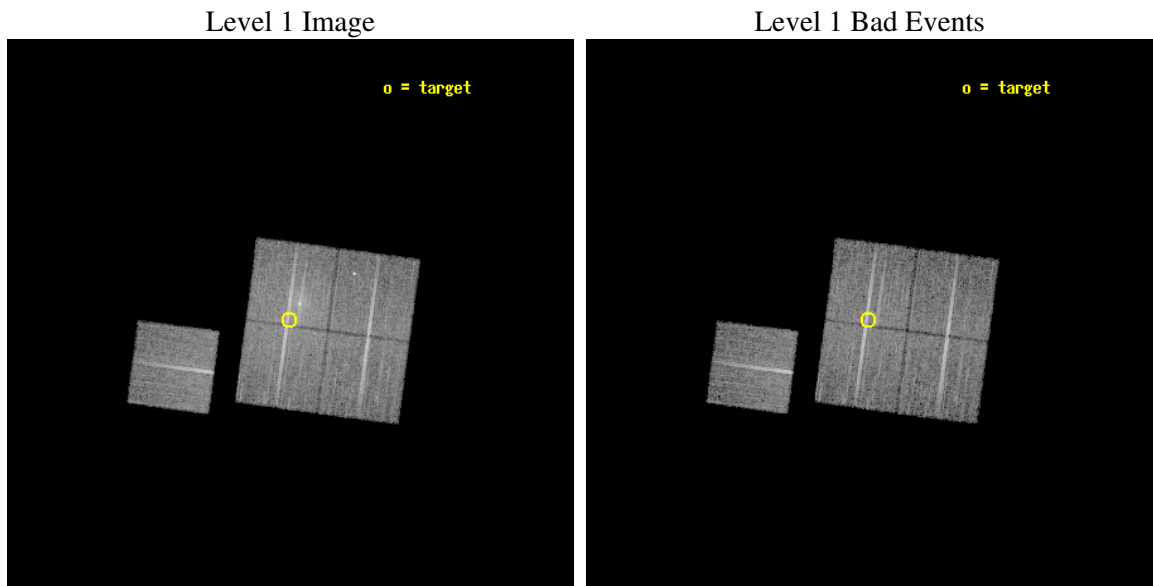
| | |
|-----------|---|
| seq_num | 800188 |
| obs_id | 3188 |
| title | OLEGS OR FOSSIL GROUPS -- STUDYING EVOLVED GALAXY SYSTEMS |
| observer | Dr. Stephen Murray |
| object | ESO3060170-B |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 85.05 |
| dec_targ | -40.865 |
| ra_nom | 85.048366039317 |
| dec_nom | -40.869492698692 |
| roll_nom | 277.67710169743 |
| revision | 2 |
| ontime | 14176.258982584 |
| livedtime | 13991.035722566 |
| ontime0 | 14173.118022308 |
| ontime1 | 14176.258982554 |
| ontime2 | 14179.399972737 |
| ontime3 | 14176.258982584 |
| ontime6 | 14179.399972737 |
| l2events | 55584 |



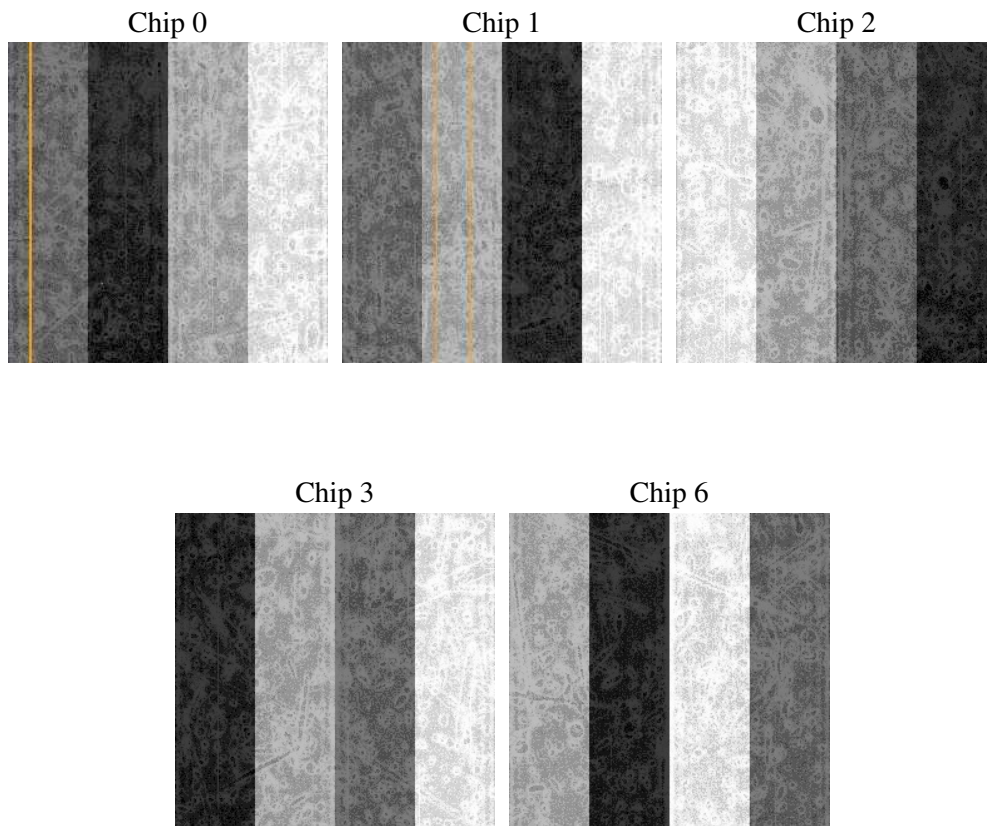
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 1 |
| ascdsver | 7.6.8.1 |
| caldsver | 3.2.3 |
| date | 2006-09-06T13:42:29 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 14000.000000 |
| ontime | 14555.40249908 |
| ontime0 | 14552.261538804 |
| ontime1 | 14555.40249905 |
| ontime2 | 14558.543489233 |
| ontime3 | 14555.40249908 |
| ontime6 | 14558.543489233 |
| l1events | 444528 |

2.1.4 Events

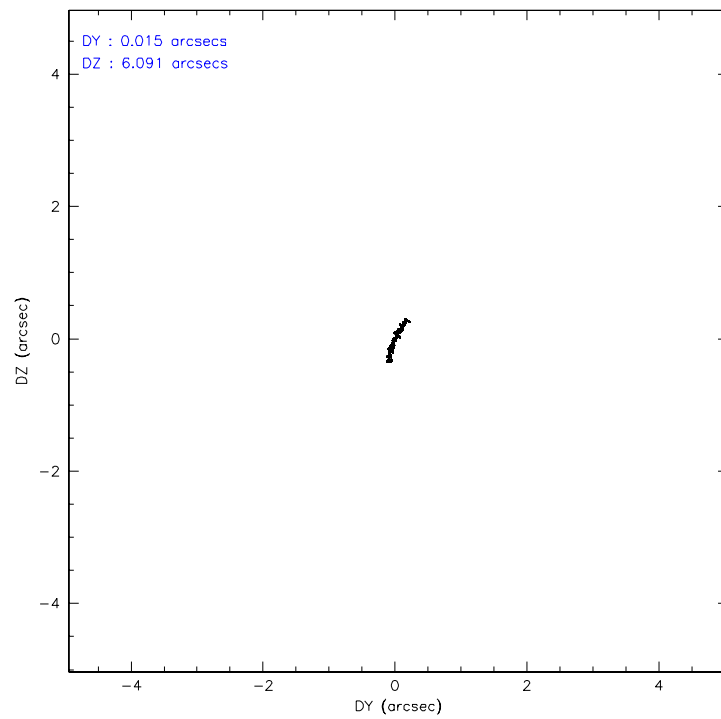
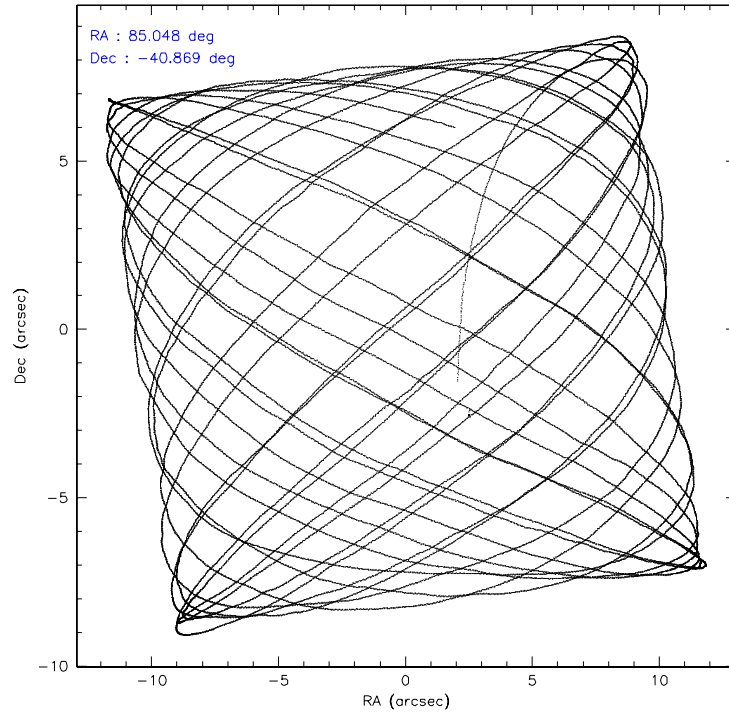
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 |
|-----------------|-------|-------|-------|--------|-------|
| level 1 events | 81459 | 80363 | 93445 | 104510 | 84751 |
| rejected events | 72583 | 69389 | 81296 | 80953 | 76507 |
| rejected % | 89% | 86% | 86% | 77% | 90% |

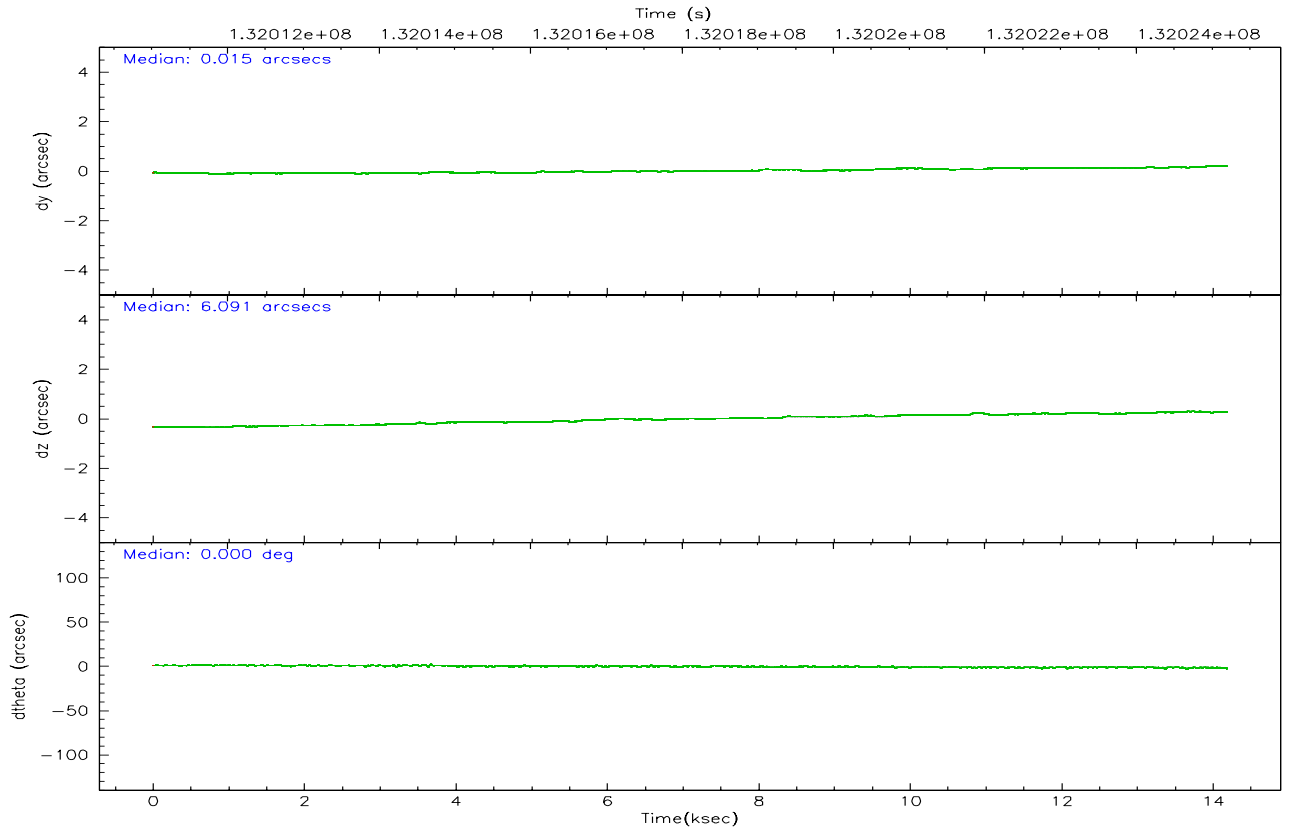
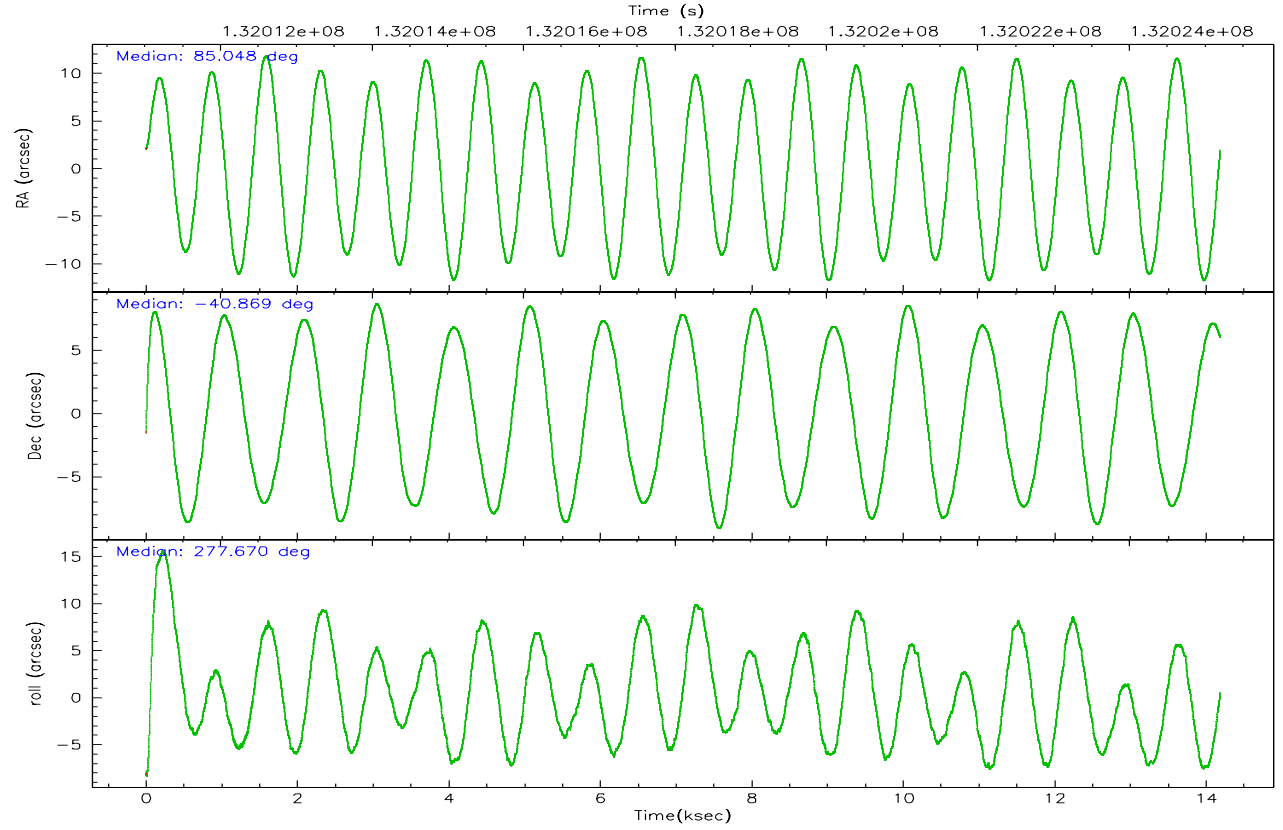
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 |
|----------------|-------|-------|-------|-------|-------|
| grade 0 events | 3675 | 5237 | 6483 | 16210 | 3119 |
| | 4% | 6% | 6% | 15% | 3% |
| grade 1 events | 33 | 53 | 57 | 100 | 38 |
| | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 1957 | 2080 | 2289 | 3165 | 1740 |
| | 2% | 2% | 2% | 3% | 2% |
| grade 3 events | 998 | 1092 | 986 | 1273 | 931 |
| | 1% | 1% | 1% | 1% | 1% |
| grade 4 events | 863 | 1075 | 1023 | 1322 | 947 |
| | 1% | 1% | 1% | 1% | 1% |
| grade 5 events | 2658 | 2961 | 2511 | 3025 | 3029 |
| | 3% | 3% | 2% | 2% | 3% |
| grade 6 events | 1583 | 1769 | 1621 | 1934 | 1725 |
| | 1% | 2% | 1% | 1% | 2% |
| grade 7 events | 69692 | 66096 | 78475 | 77481 | 73222 |
| | 85% | 82% | 83% | 74% | 86% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-01236 | ACIS-01236 | 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 | 85.026144 | 85.04836603931733 | Alternating exposures requested | N | N |
| Pointing Dec | -40.847866 | -40.86949269869155 | Primary exposure time | 0.000000 | 3.1 |
| Pointing Roll | 277.453897 | 277.6771016974321 | | | |
| SIM focus pos (mm) | -0.782348 | -0.7809083437167272 | | | |
| SIM defocus (mm) | 0 | 0.001439871863259334 | | | |
| SIM translation stage pos (mm) | -223.592463 | -223.5905168218261 | | | |
| SIM translation stage offset (mm) | -10 | -10.00193618110356 | | | |
| Observation start time | 132011201.184000 | 132010020.73237 | | | |
| Observation start date | 2002-03-08T21:45:37 | 2002-03-08T21:27:00 | | | |
| Observation end time | 132025201.184000 | 132025346.02049 | | | |
| Observation end date | 2002-03-09T01:38:57 | 2002-03-09T01:42:26 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



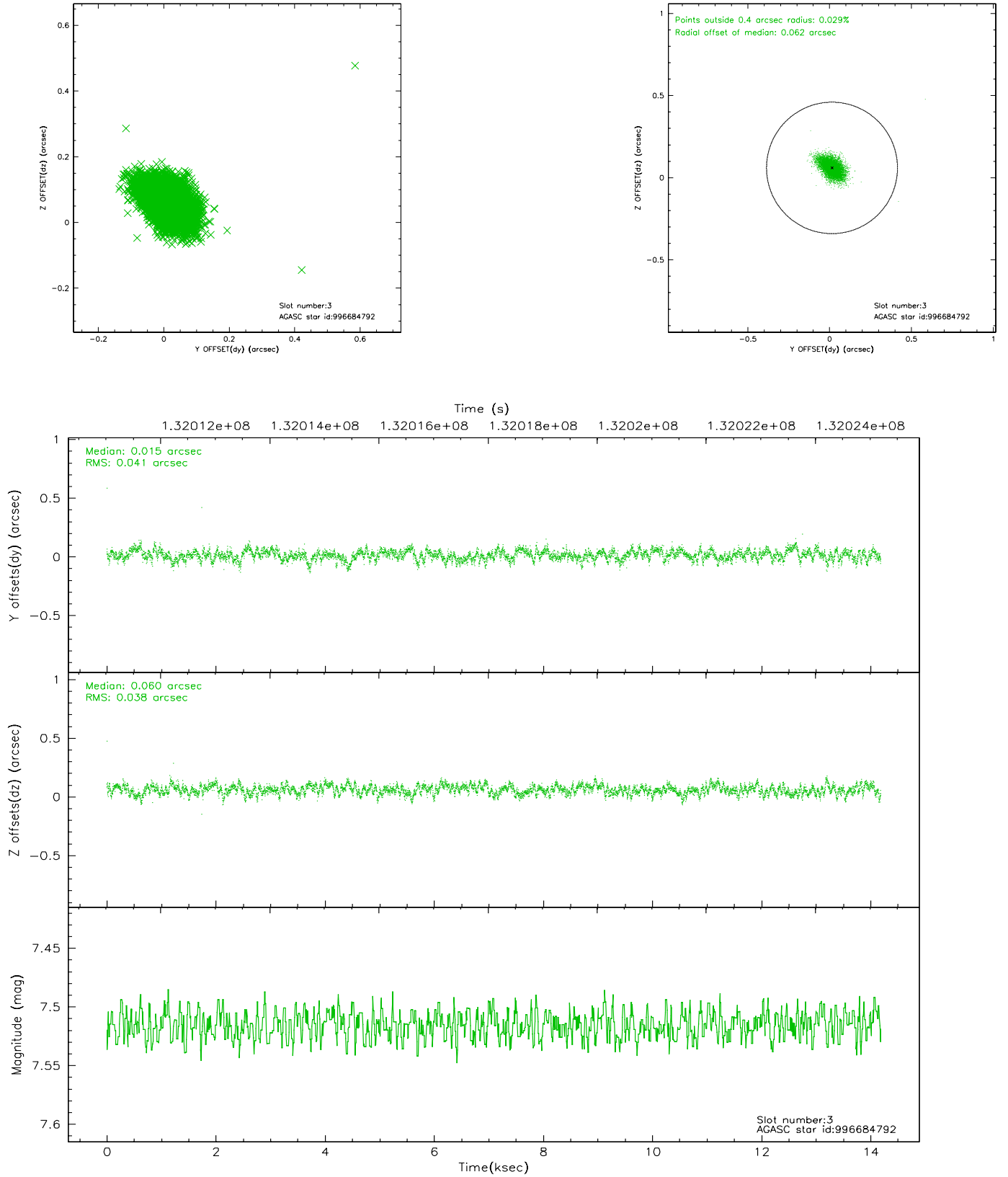


Slot Statistics

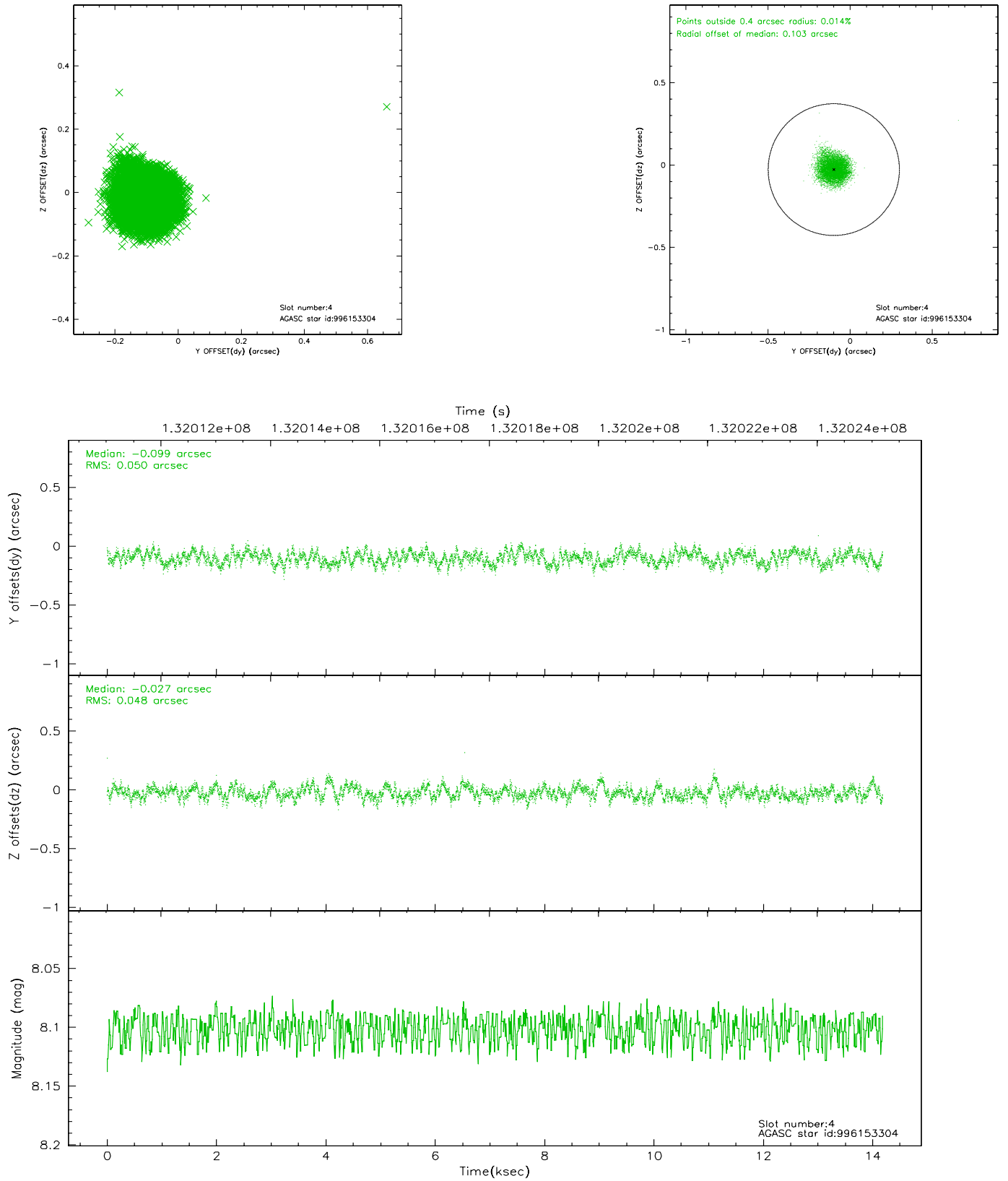
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|-------|-------|--------|--------|-------|-------|-----------|------------|----------|----------|
| 0 | FID | ACIS-I-1 | 7.22 | 3461 | 0.096 | -0.021 | 0.008 | 0.015 | 0.000000 | 0.000000 | 939.71 | -1034.86 |
| 1 | FID | ACIS-I-5 | 7.23 | 3461 | -0.230 | 0.101 | 0.007 | 0.012 | 0.000000 | 0.000000 | -1808.47 | 862.64 |
| 2 | FID | ACIS-I-6 | 7.26 | 3461 | 0.043 | -0.009 | 0.009 | 0.014 | 0.000000 | 0.000000 | 404.95 | 1507.32 |
| 3 | GUIDE | 996684792 | 7.52 | 6921 | 0.015 | 0.060 | 0.057 | 0.098 | 84.983704 | -41.514257 | 2364.51 | -424.22 |
| 4 | GUIDE | 996153304 | 8.10 | 6918 | -0.099 | -0.027 | 0.075 | 0.115 | 84.449102 | -41.163019 | 928.19 | -1698.42 |
| 5 | UNUSED | | 0.00 | 0 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000000 | 0.000000 | 0.00 | 0.00 |
| 6 | GUIDE | 996282616 | 9.15 | 6919 | -0.027 | 0.061 | 0.103 | 0.165 | 85.789633 | -40.160851 | -2170.68 | 2402.37 |
| 7 | GUIDE | 996283920 | 10.45 | 6908 | 0.103 | -0.092 | 0.155 | 0.253 | 85.024860 | -40.406951 | -1574.09 | 202.58 |

2.4 Star Slots

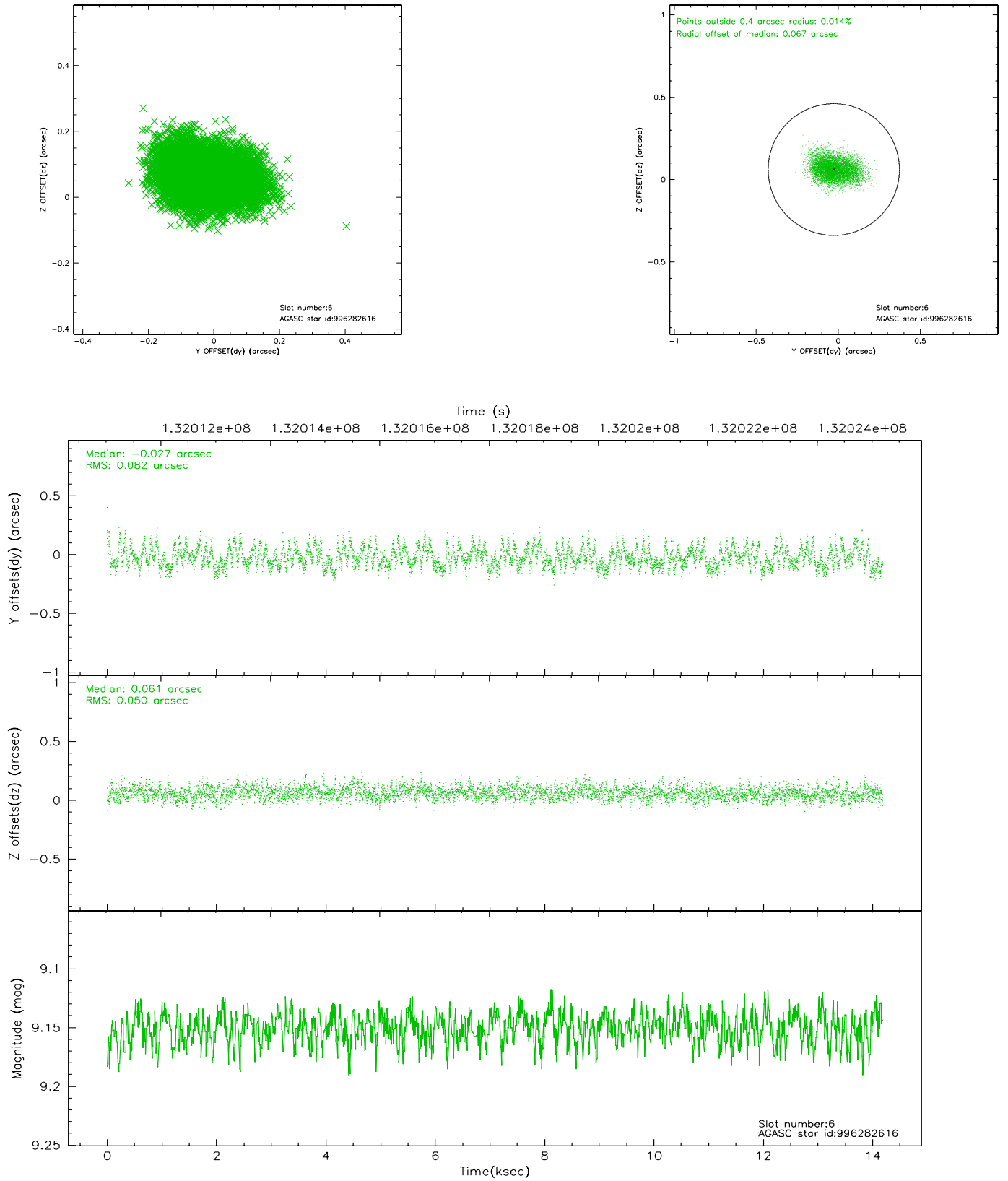
2.4.1 Slot 3



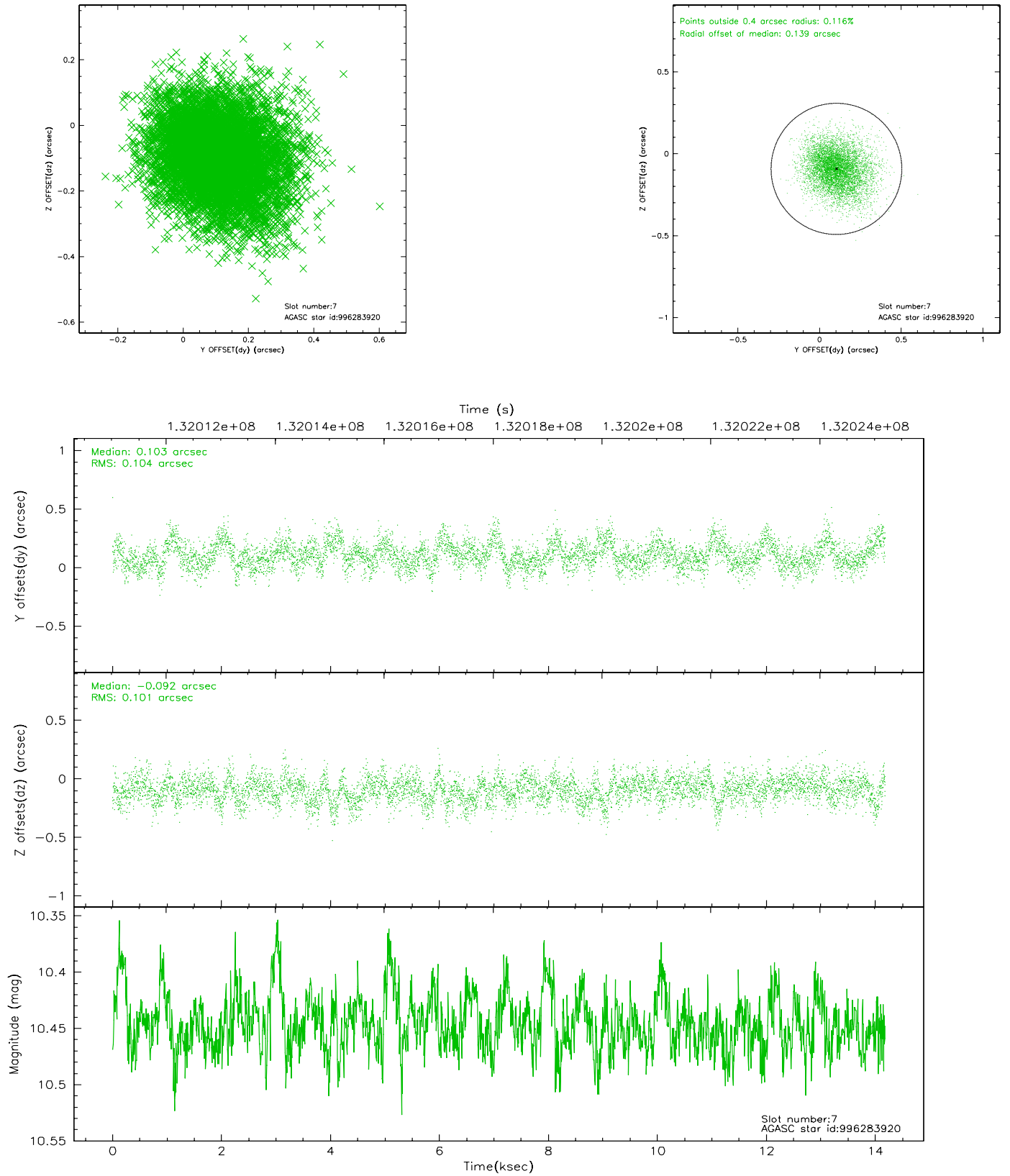
2.4.2 Slot 4



2.4.3 Slot 6

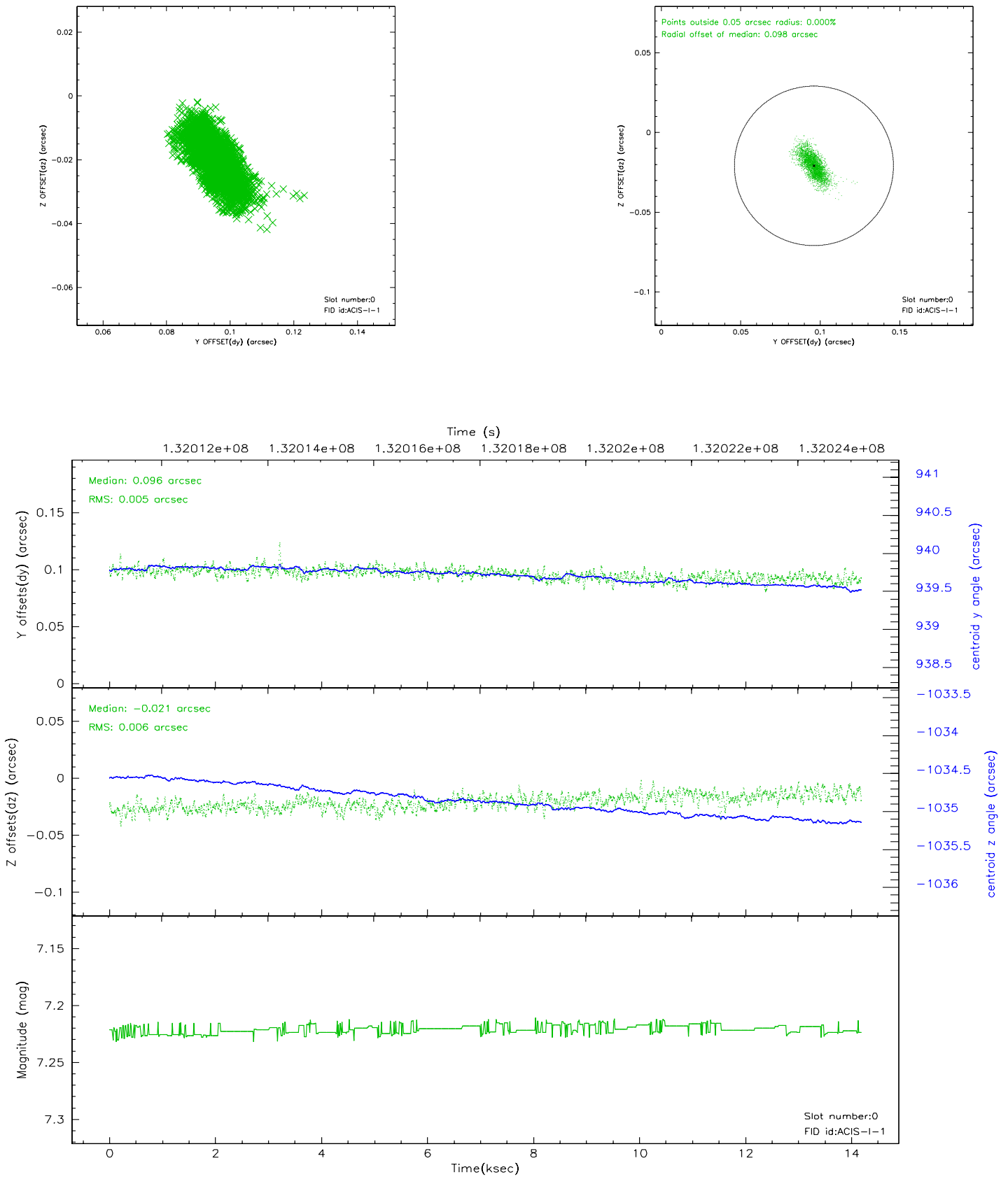


2.4.4 Slot 7

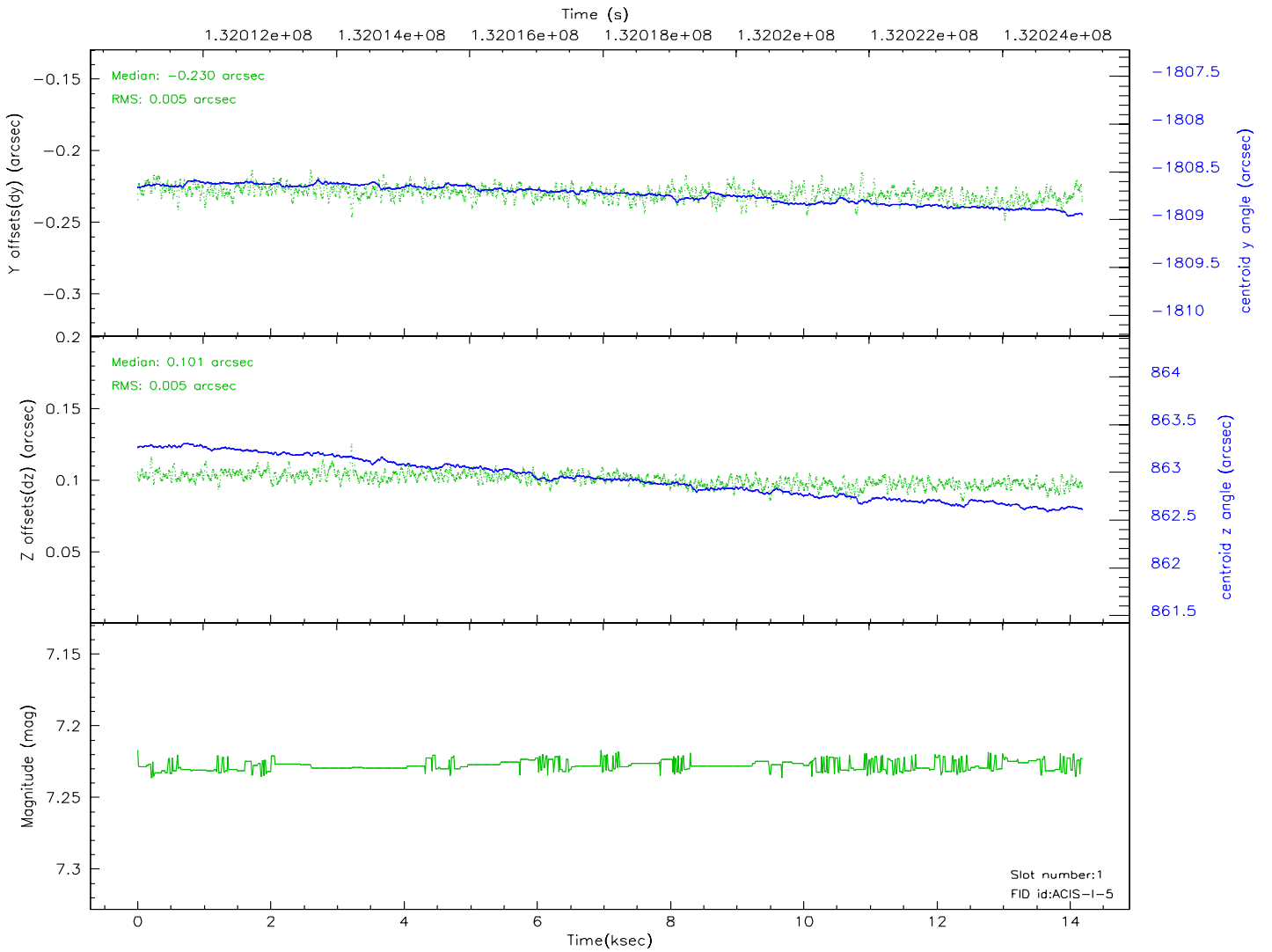
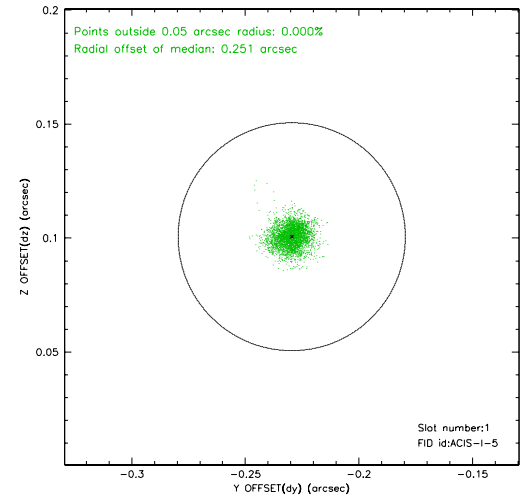
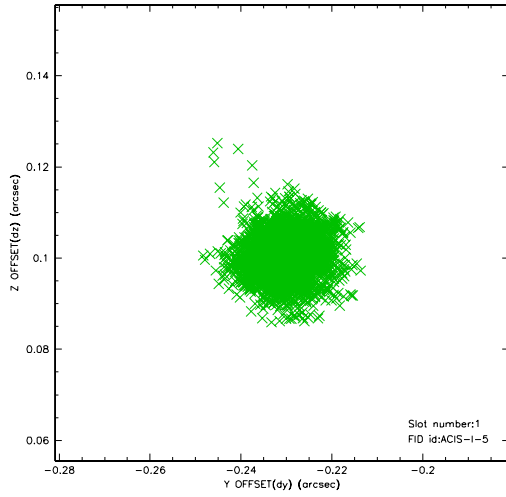


2.5 FID Slots

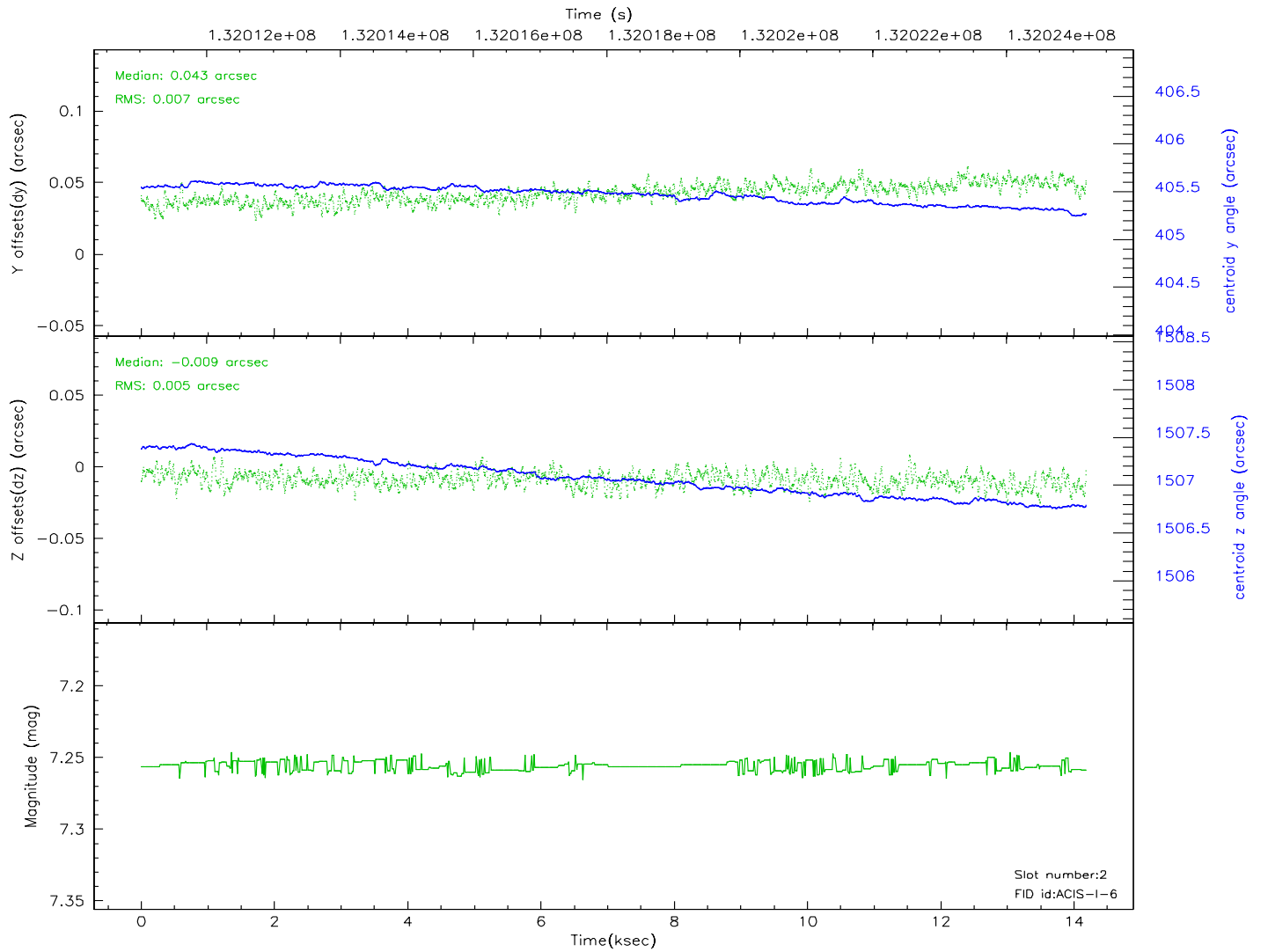
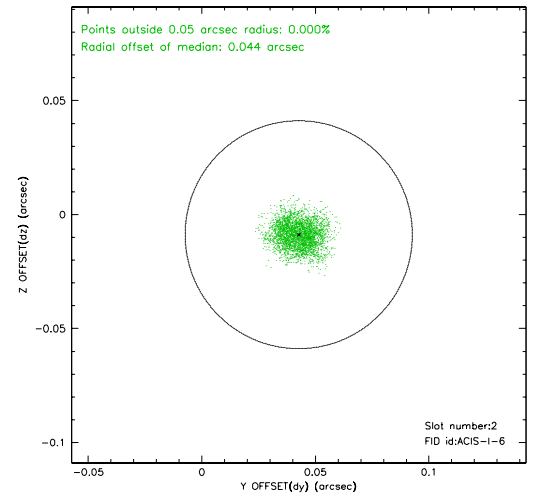
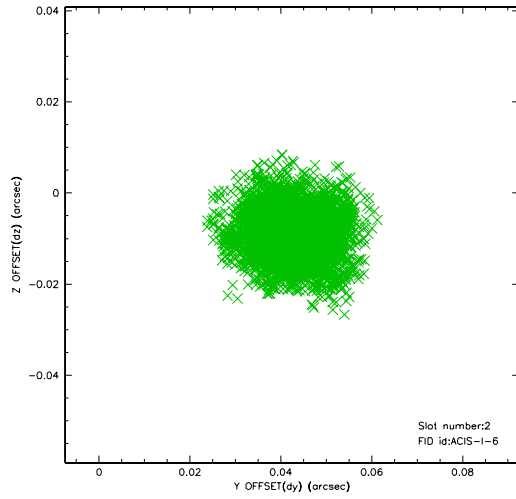
2.5.1 Slot 0



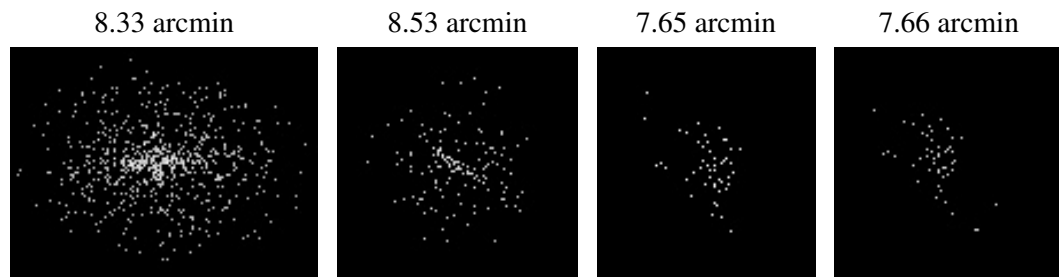
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2006.09.06 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 14.176 |

A.2 Comments

Slot 5 was not utilized in this observation.