

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4183 - L2 Version 001
Chandra X-Ray Center

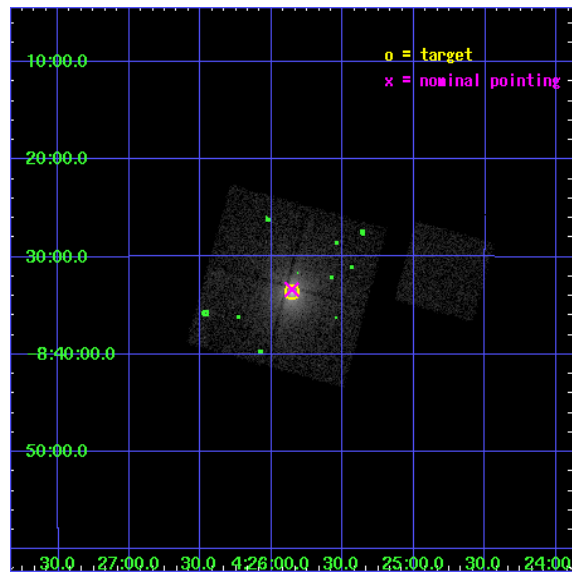
L2 Processing Date : Jul 11 2006

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1 Front

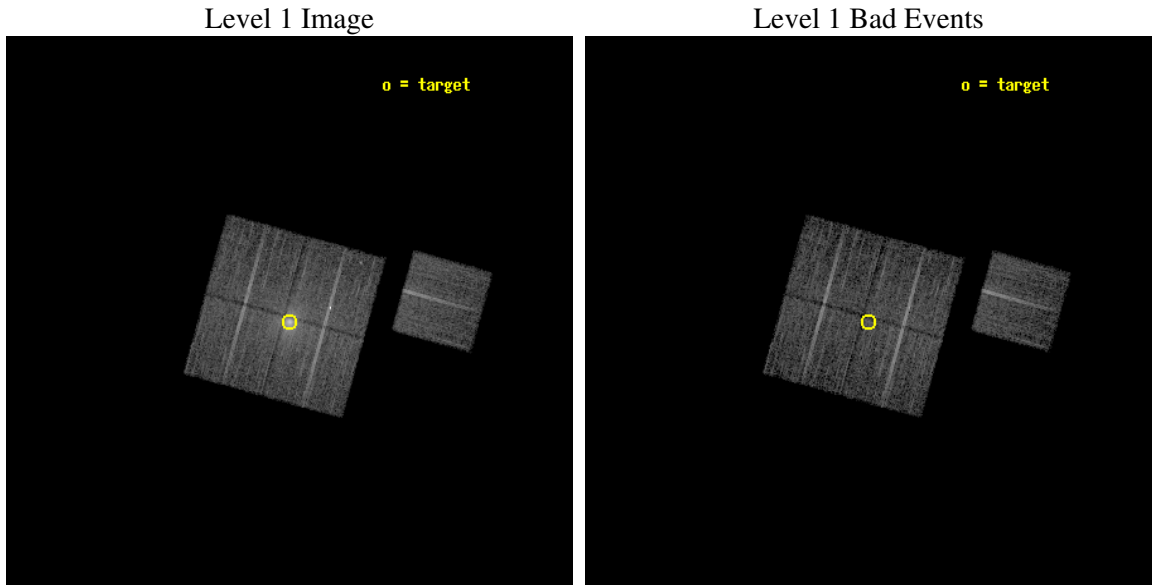
| | |
|-----------|--|
| seq_num | 800339 |
| obs_id | 4183 |
| title | THE HIFLUGCS CLUSTER SURVEY: A CORNERSTONE FOR COSMOLOGY |
| observer | Dr. Craig Sarazin |
| object | EXO0422 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 66.46375 |
| dec_targ | -8.560556 |
| ra_nom | 66.464391619524 |
| dec_nom | -8.5559503508977 |
| roll_nom | 105.54743298863 |
| revision | 2 |
| ontime | 10133.818040043 |
| liveltime | 10001.412246942 |
| ontime0 | 10133.818069935 |
| ontime1 | 10136.958990335 |
| ontime2 | 10136.959040195 |
| ontime3 | 10133.818040043 |
| ontime6 | 10136.959040195 |
| l2events | 53760 |



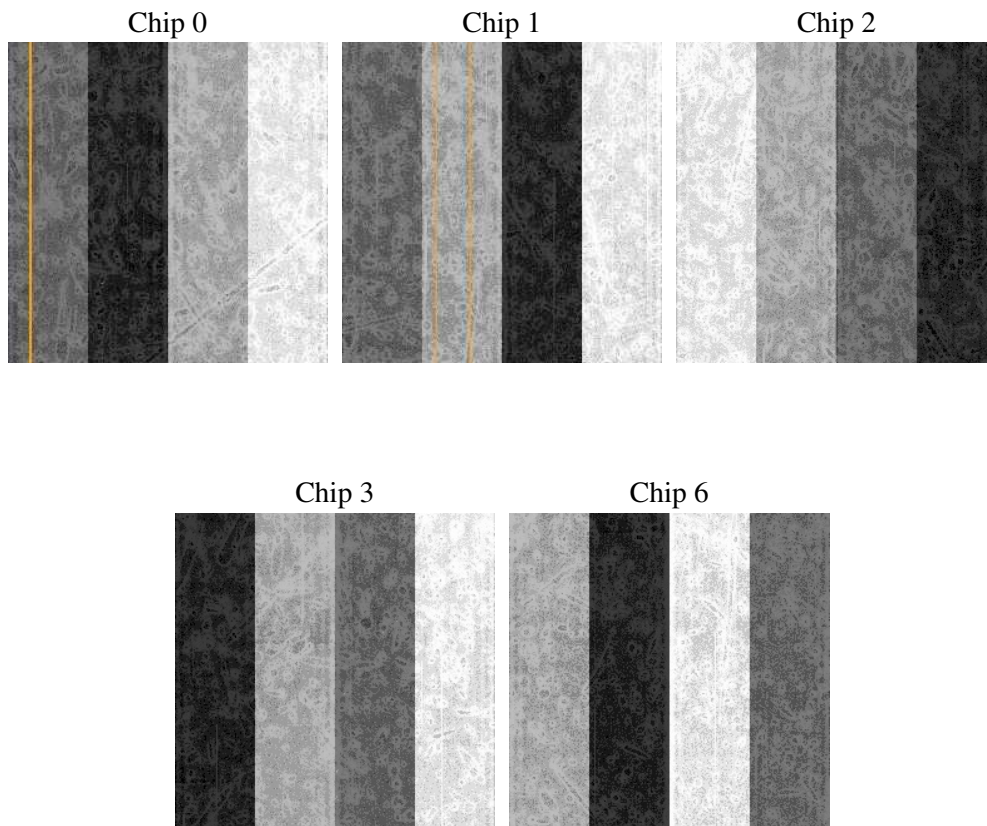
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.8 |
| caldbver | 3.2.2 |
| date | 2006-07-11T07:13:09 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 10000.000000 |
| ontime | 11081.458026618 |
| ontime0 | 11087.740136504 |
| ontime1 | 11084.59897691 |
| ontime2 | 11087.740066767 |
| ontime3 | 11081.458026618 |
| ontime6 | 11100.304226756 |
| l1events | 315685 |

2.1.4 Events

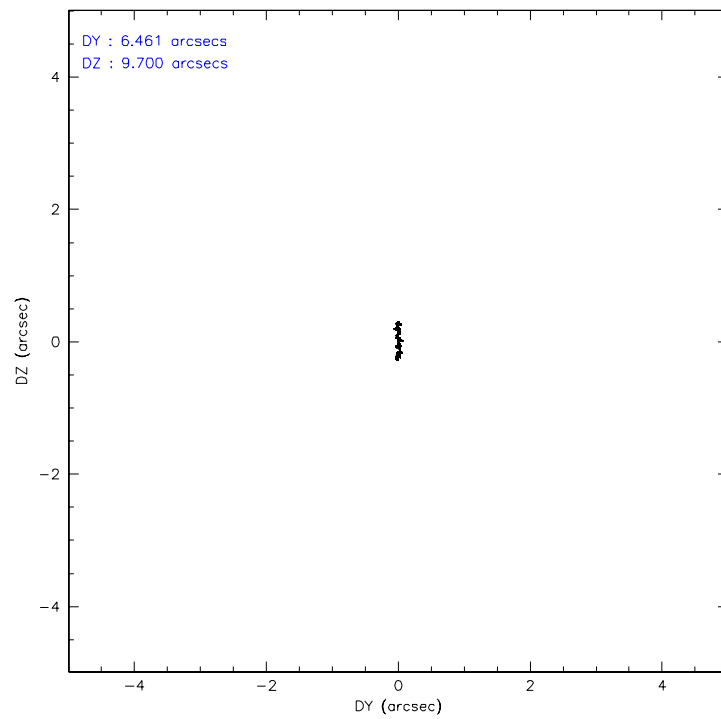
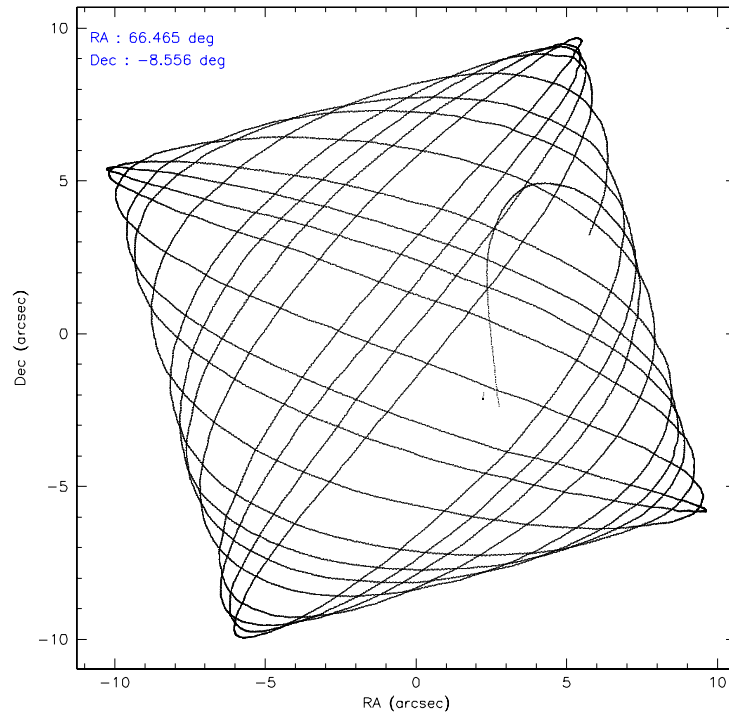
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 |
|-----------------|-------|-------|-------|-------|-------|
| level 1 events | 55614 | 60145 | 68611 | 75070 | 56245 |
| rejected events | 47187 | 49314 | 54375 | 54118 | 50830 |
| rejected % | 84% | 81% | 79% | 72% | 90% |

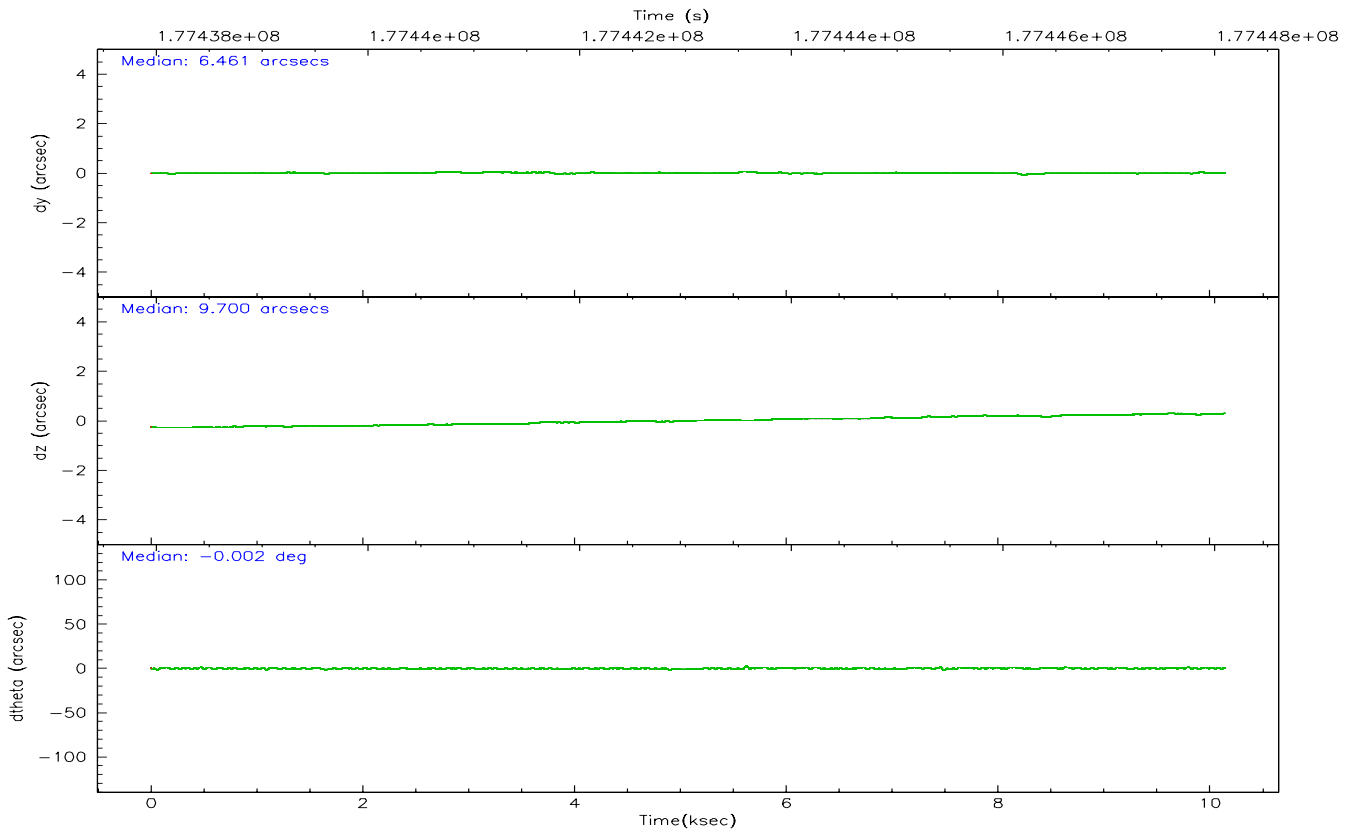
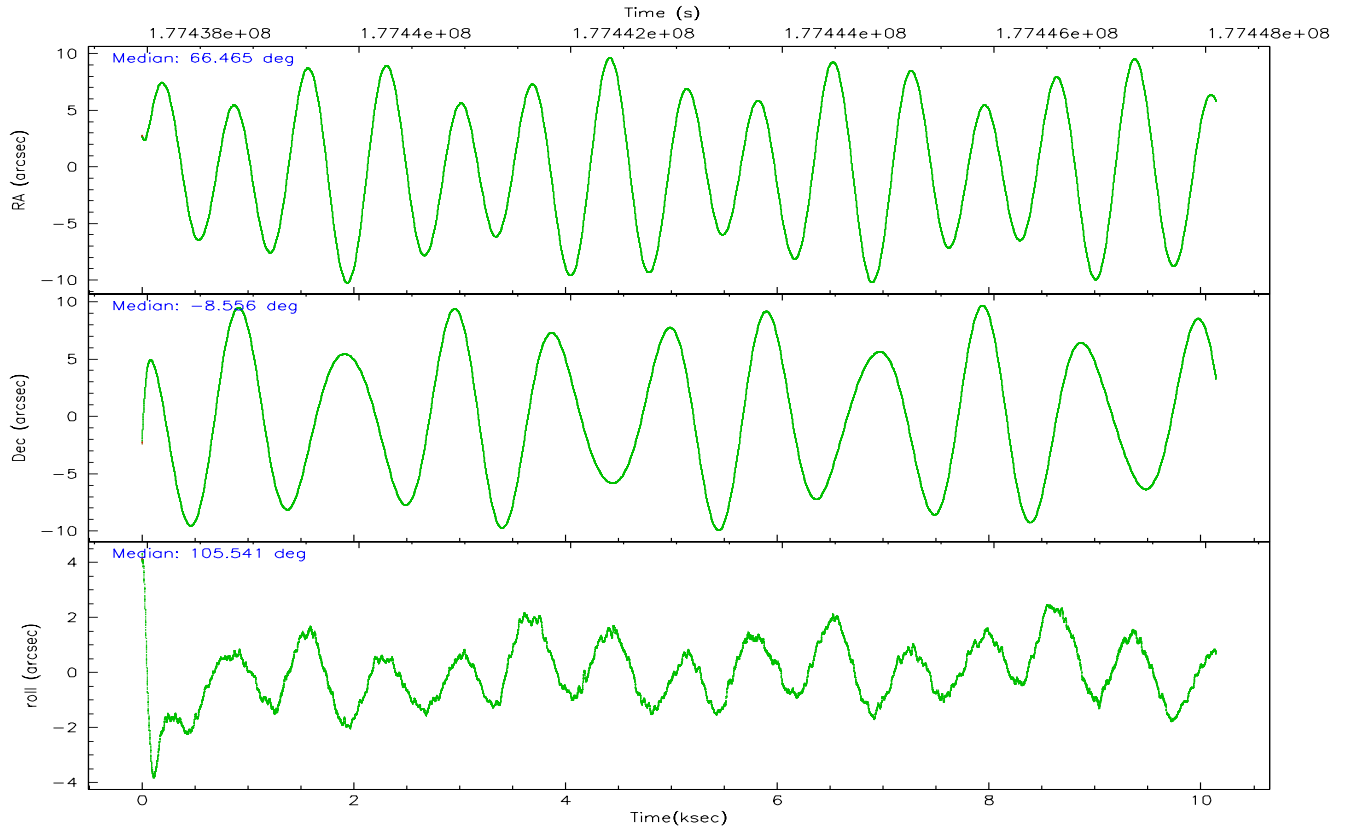
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 |
|----------------|-------|-------|-------|-------|-------|
| grade 0 events | 4764 | 6385 | 9607 | 15553 | 2099 |
| | 8% | 10% | 14% | 20% | 3% |
| grade 1 events | 41 | 37 | 111 | 89 | 25 |
| | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 1623 | 1838 | 2190 | 2600 | 1287 |
| | 2% | 3% | 3% | 3% | 2% |
| grade 3 events | 758 | 960 | 980 | 1005 | 681 |
| | 1% | 1% | 1% | 1% | 1% |
| grade 4 events | 664 | 874 | 851 | 1036 | 651 |
| | 1% | 1% | 1% | 1% | 1% |
| grade 5 events | 1999 | 2038 | 1971 | 2309 | 2247 |
| | 3% | 3% | 2% | 3% | 3% |
| grade 6 events | 1137 | 1397 | 1211 | 1352 | 1203 |
| | 2% | 2% | 1% | 1% | 2% |
| grade 7 events | 44628 | 46616 | 51690 | 51126 | 48052 |
| | 80% | 77% | 75% | 68% | 85% |

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 | 66.484202 | 66.46439161952424 | Alternating exposures requested | N | N |
| Pointing Dec | -8.575063 | -8.555950350897678 | Primary exposure time | 0.000000 | 3.1 |
| Pointing Roll | 105.341689 | 105.5474329886297 | | | |
| 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 | 177438097.184000 | 177436626.0613 | | | |
| Observation start date | 2003-08-16T16:20:33 | 2003-08-16T15:57:06 | | | |
| Observation end time | 177448097.184000 | 177449023.43683 | | | |
| Observation end date | 2003-08-16T19:07:13 | 2003-08-16T19:23:43 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



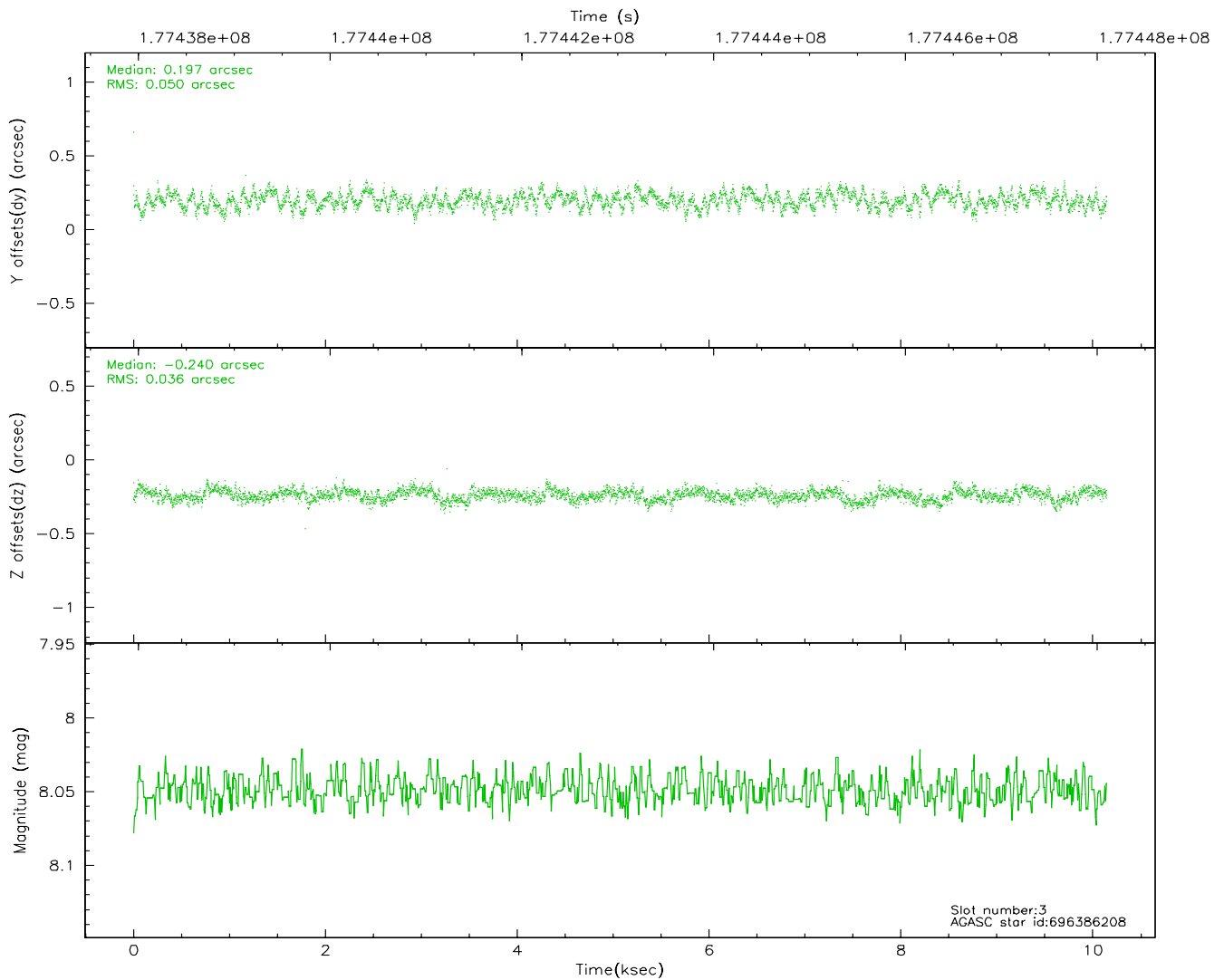
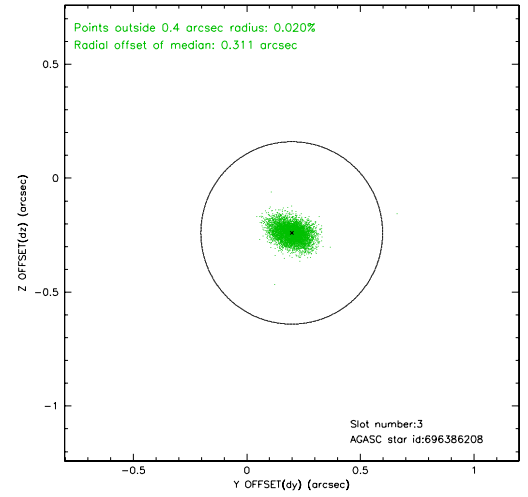
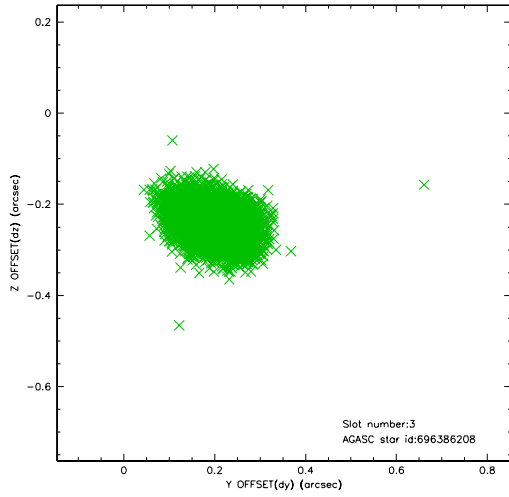


Slot Statistics

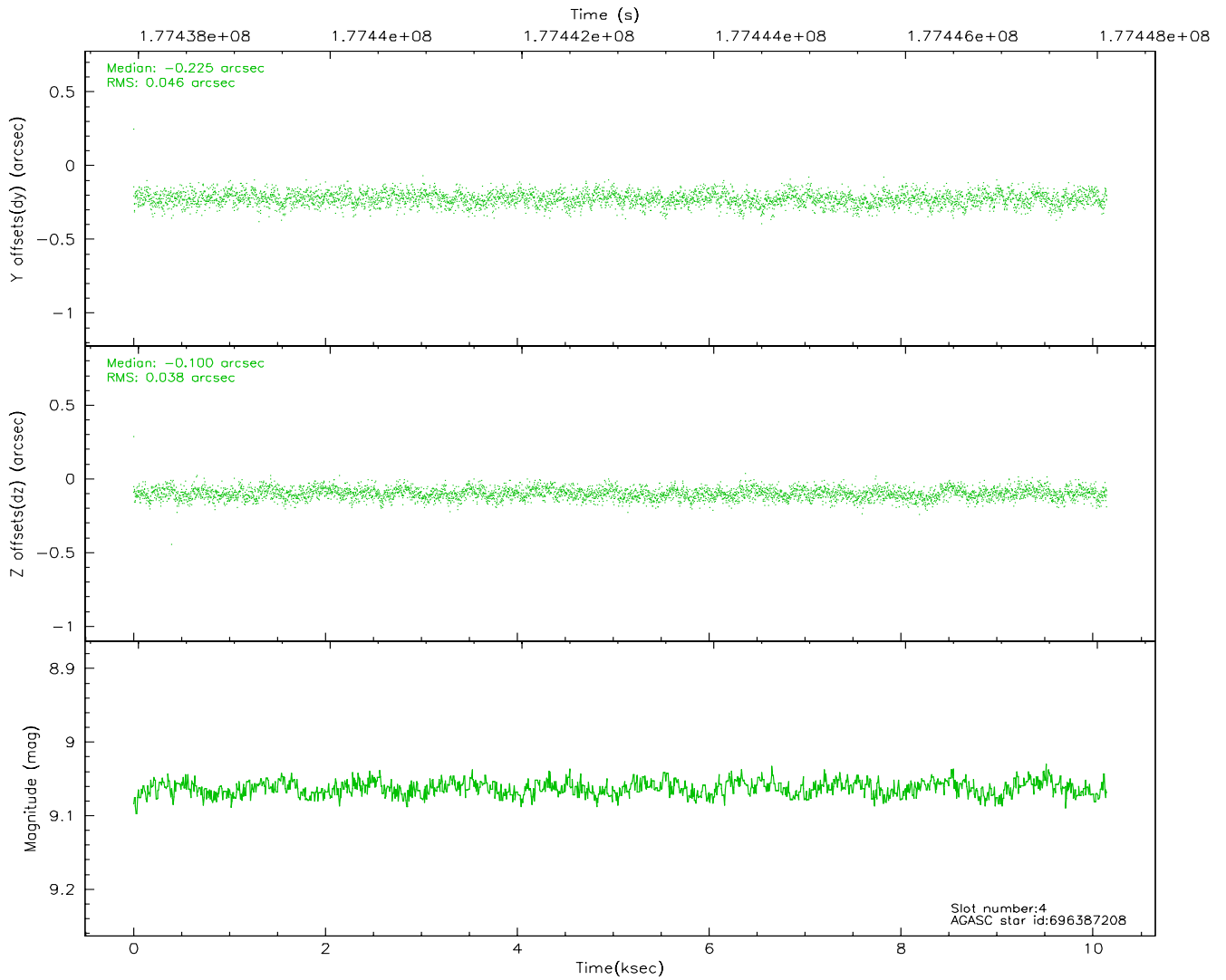
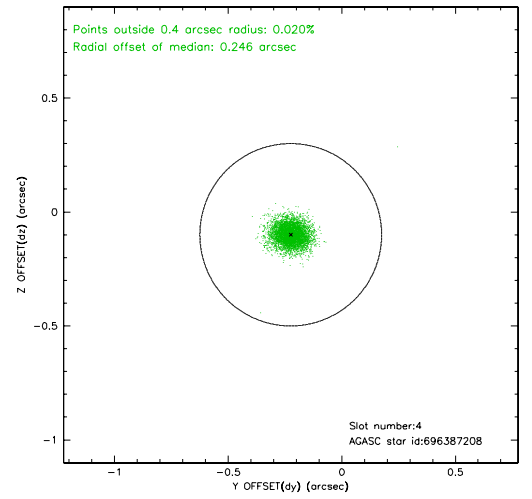
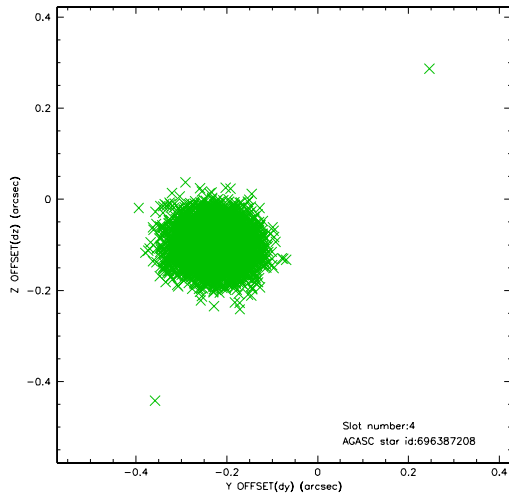
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|-----------|-----------|----------|----------|
| 0 | FID | ACIS-I-1 | 7.24 | 2473 | -0.030 | 0.050 | 0.010 | 0.018 | 0.000000 | 0.000000 | 933.20 | -833.12 |
| 1 | FID | ACIS-I-4 | 7.18 | 2472 | 0.053 | 0.004 | 0.009 | 0.015 | 0.000000 | 0.000000 | 2153.62 | 1066.38 |
| 2 | FID | ACIS-I-5 | 7.22 | 2473 | -0.121 | 0.017 | 0.007 | 0.012 | 0.000000 | 0.000000 | -1814.21 | 1064.85 |
| 3 | GUIDE | 696386208 | 8.05 | 4946 | 0.197 | -0.240 | 0.064 | 0.105 | 66.191076 | -9.223516 | -1975.90 | 1622.20 |
| 4 | GUIDE | 696387208 | 9.06 | 4944 | -0.225 | -0.100 | 0.062 | 0.102 | 66.200801 | -8.036400 | 2136.53 | 462.13 |
| 5 | GUIDE | 696518688 | 9.29 | 4947 | 0.074 | 0.006 | 0.100 | 0.172 | 66.849427 | -8.392964 | 288.34 | -1427.18 |
| 6 | GUIDE | 696522872 | 8.06 | 4948 | -0.148 | 0.210 | 0.054 | 0.087 | 66.882030 | -8.191582 | 955.90 | -1731.73 |
| 7 | GUIDE | 696538136 | 8.99 | 4945 | 0.101 | 0.127 | 0.076 | 0.126 | 66.785429 | -8.898543 | -1406.33 | -725.03 |

2.4 Star Slots

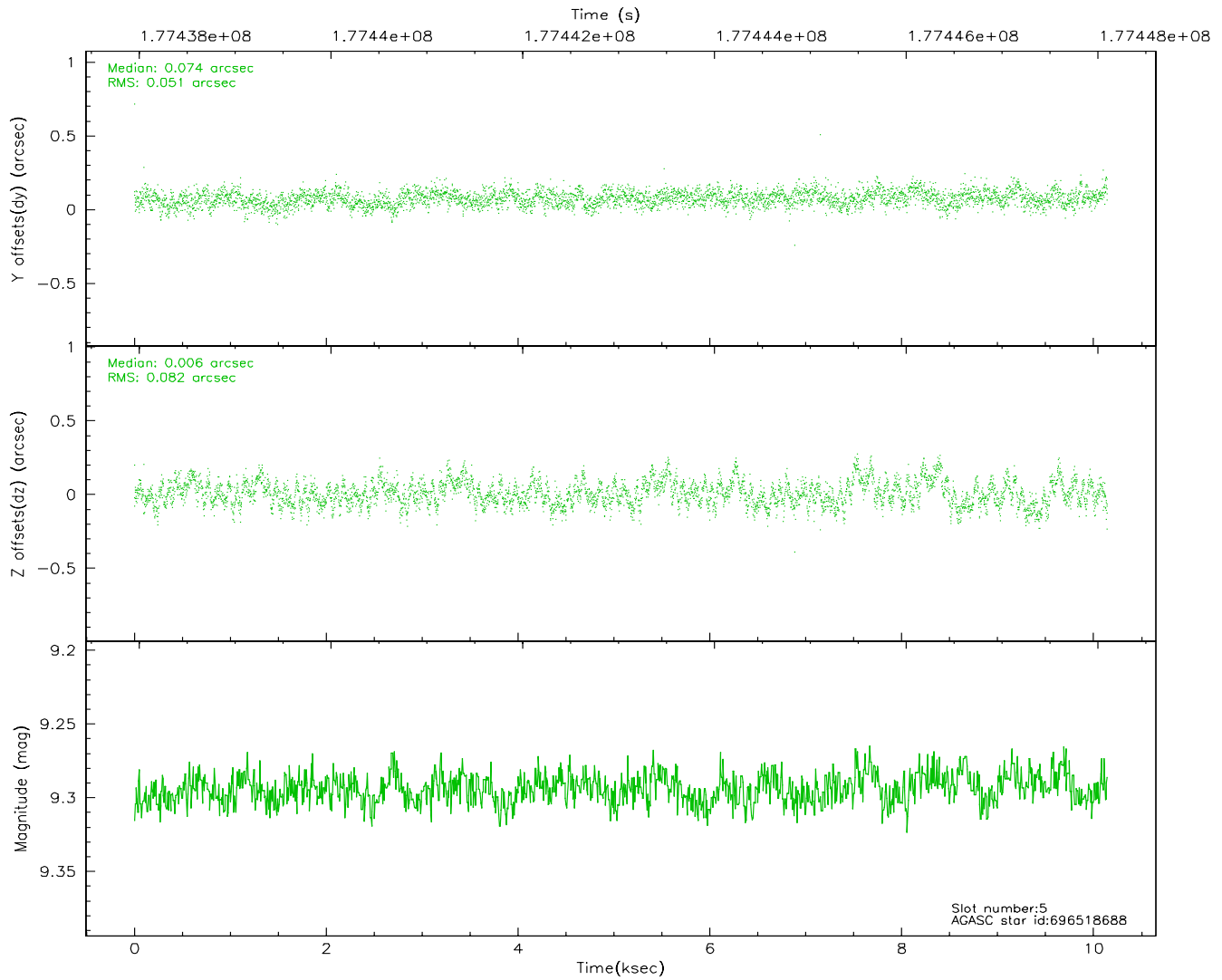
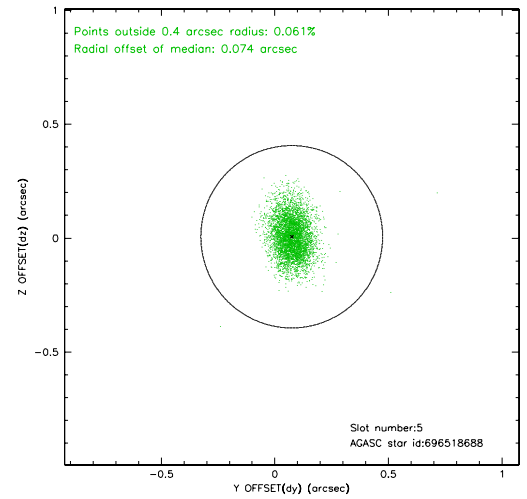
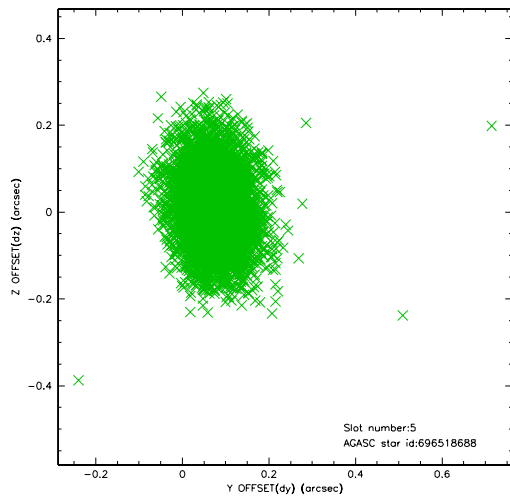
2.4.1 Slot 3



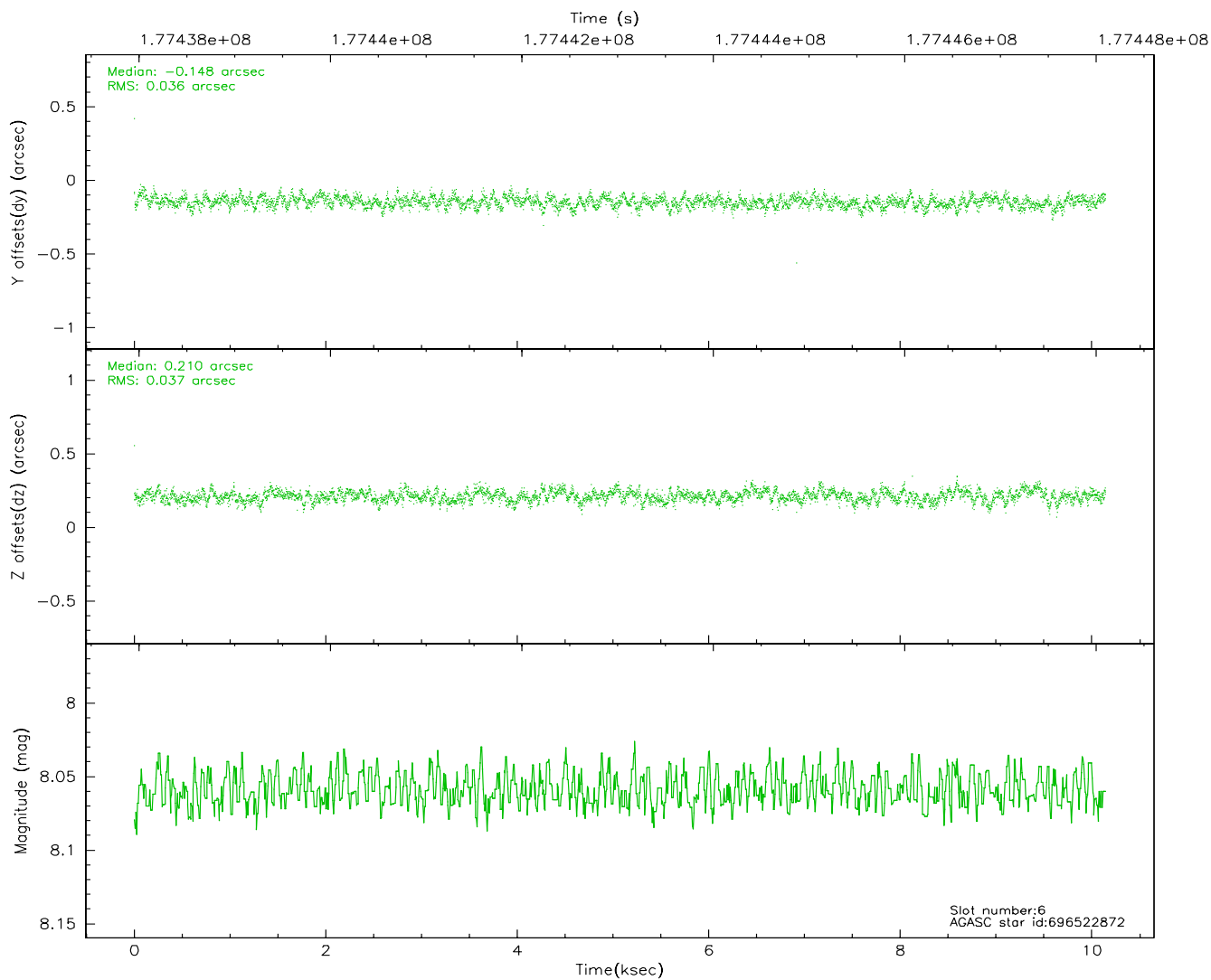
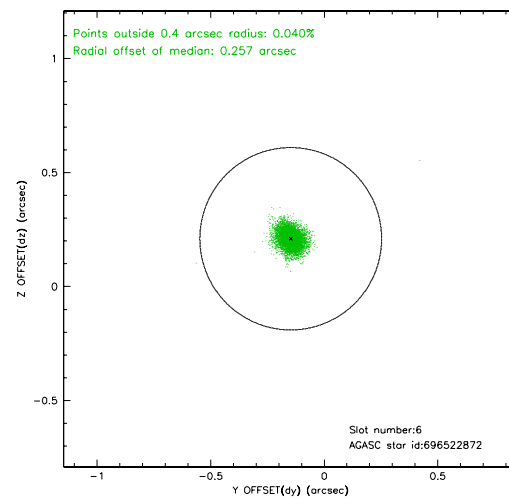
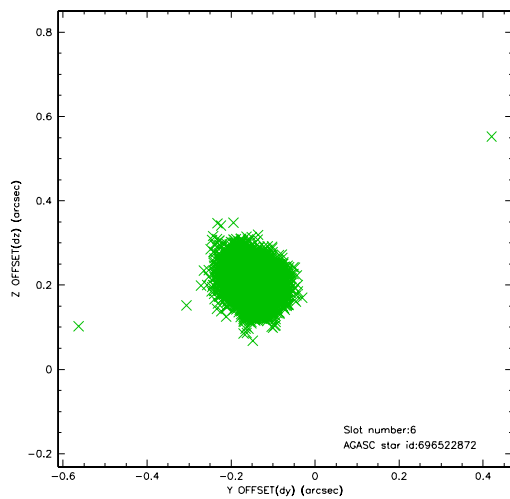
2.4.2 Slot 4



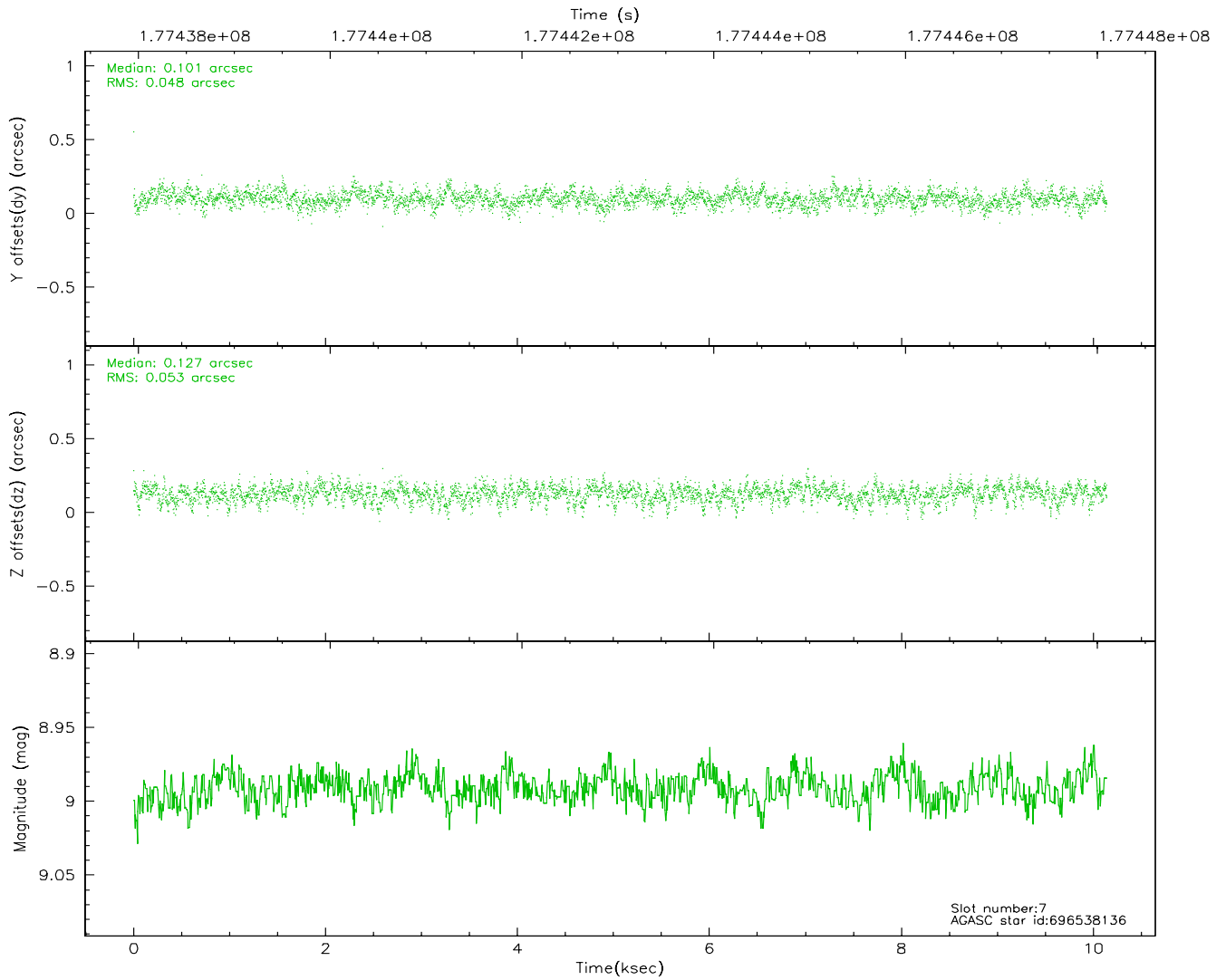
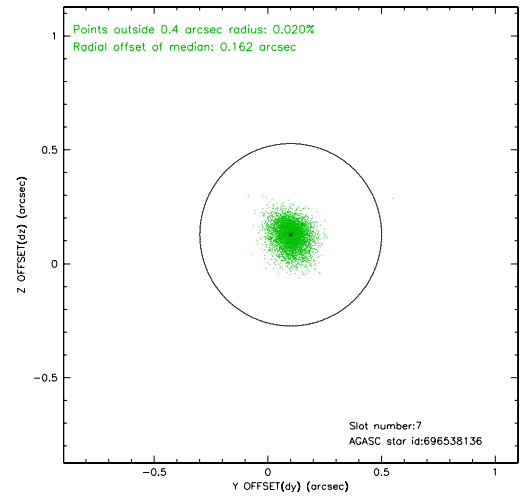
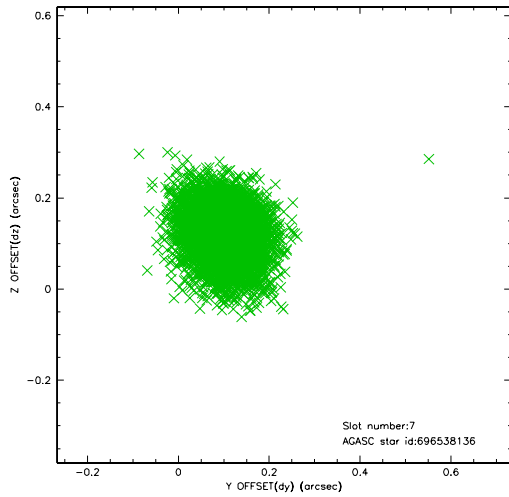
2.4.3 Slot 5



2.4.4 Slot 6

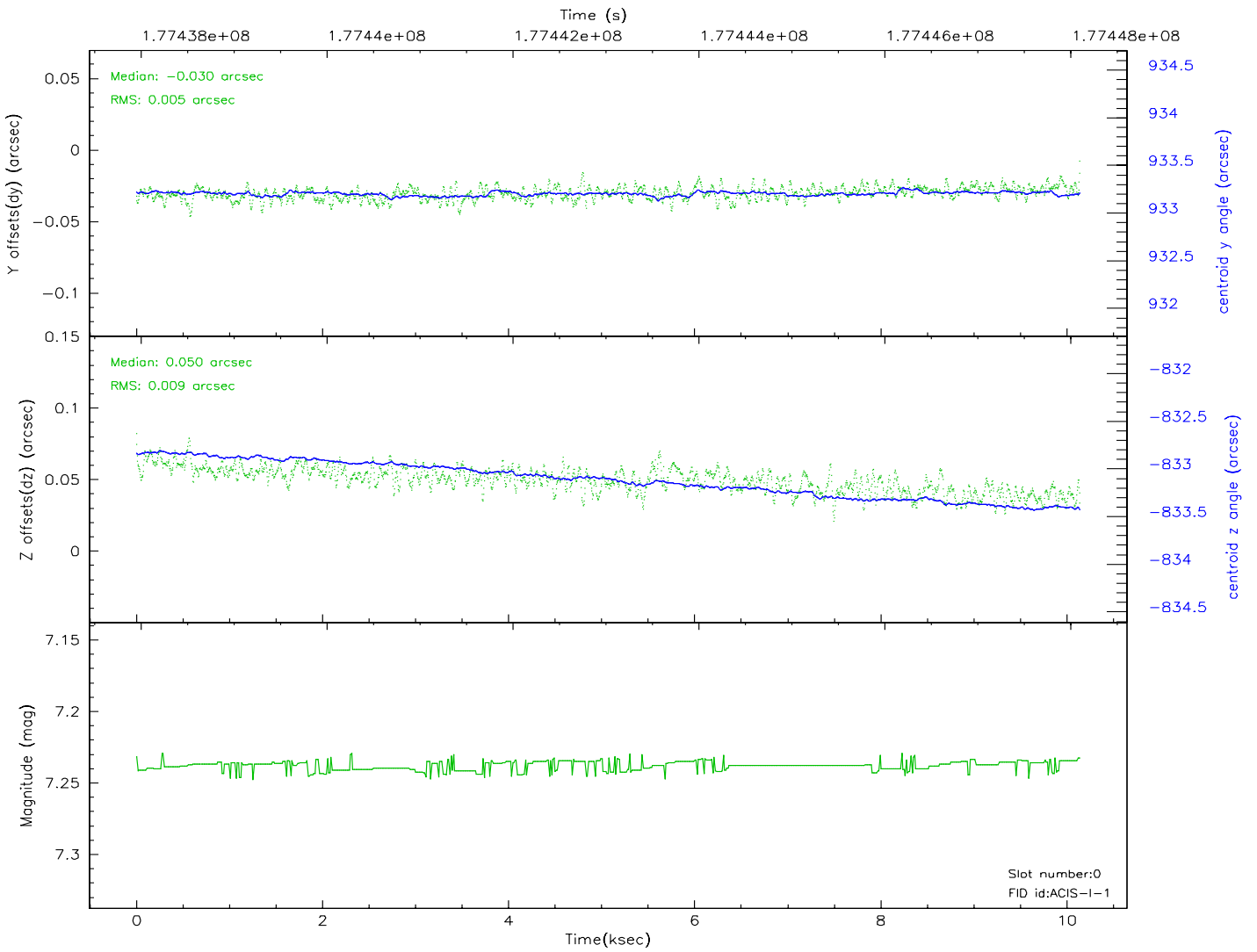
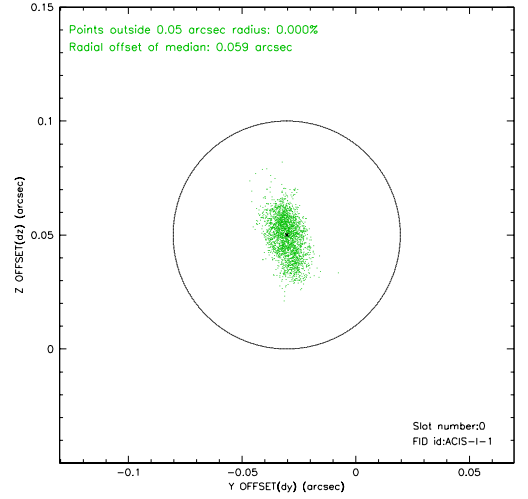
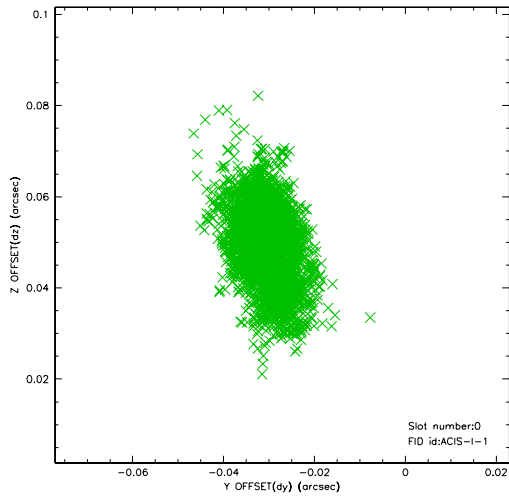


2.4.5 Slot 7

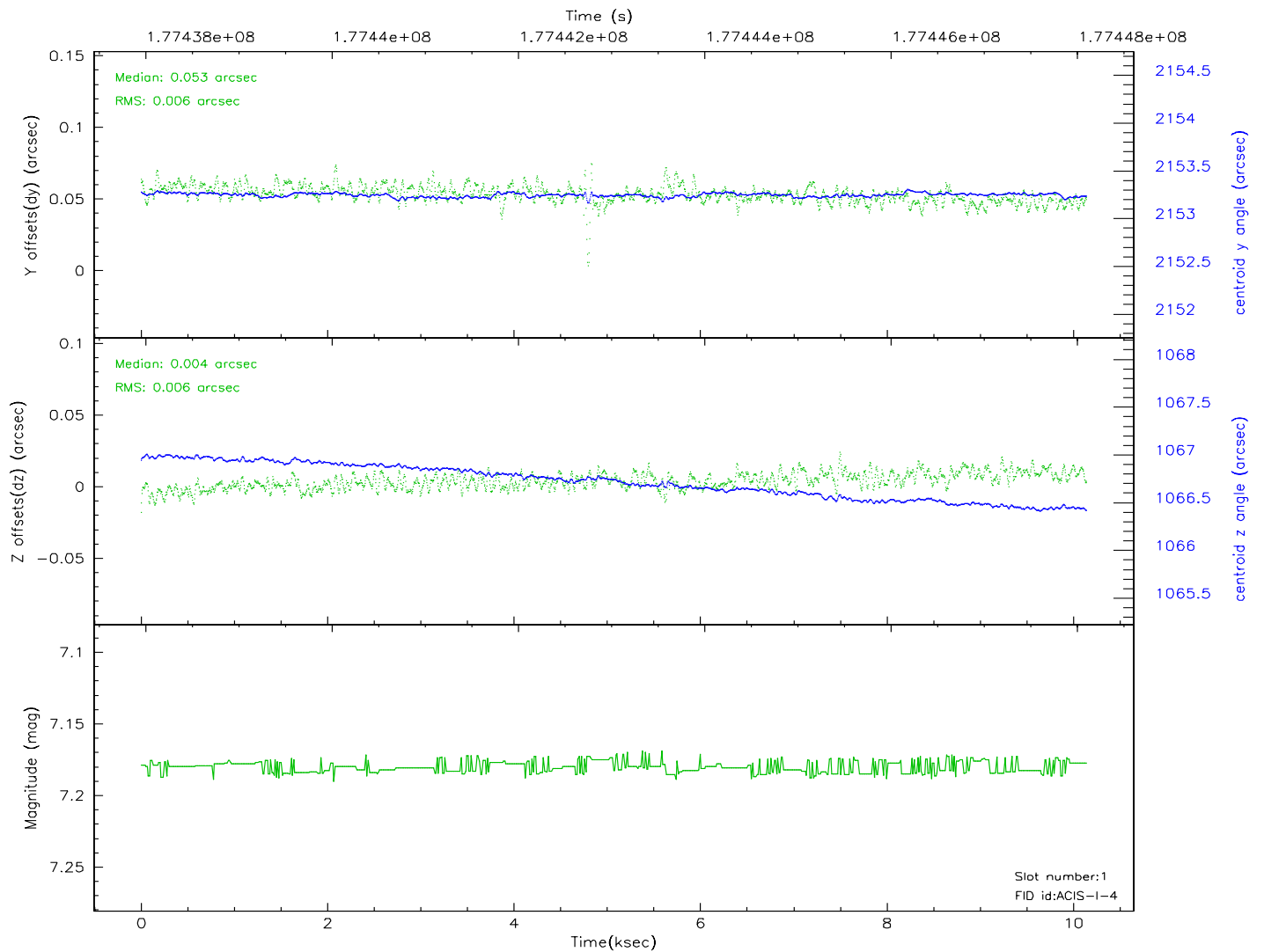
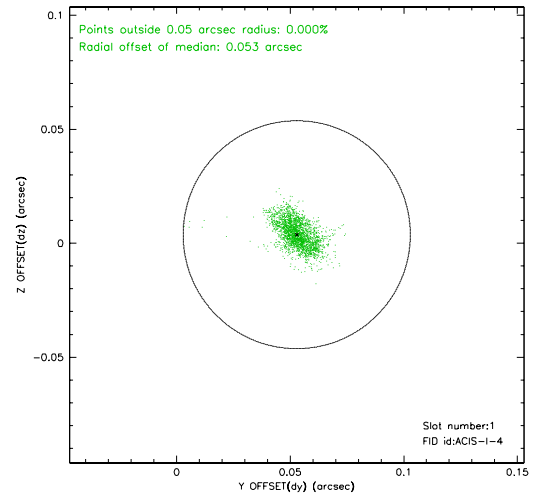
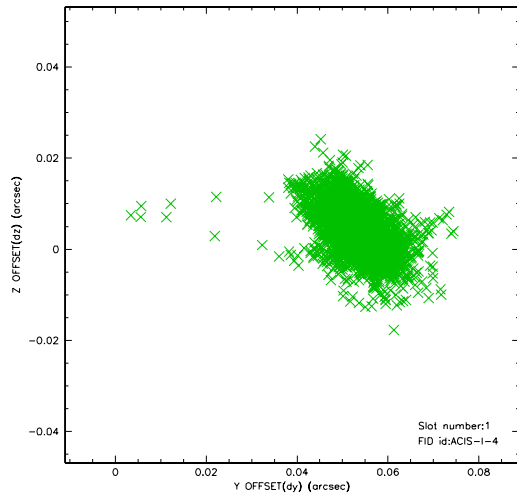


2.5 FID Slots

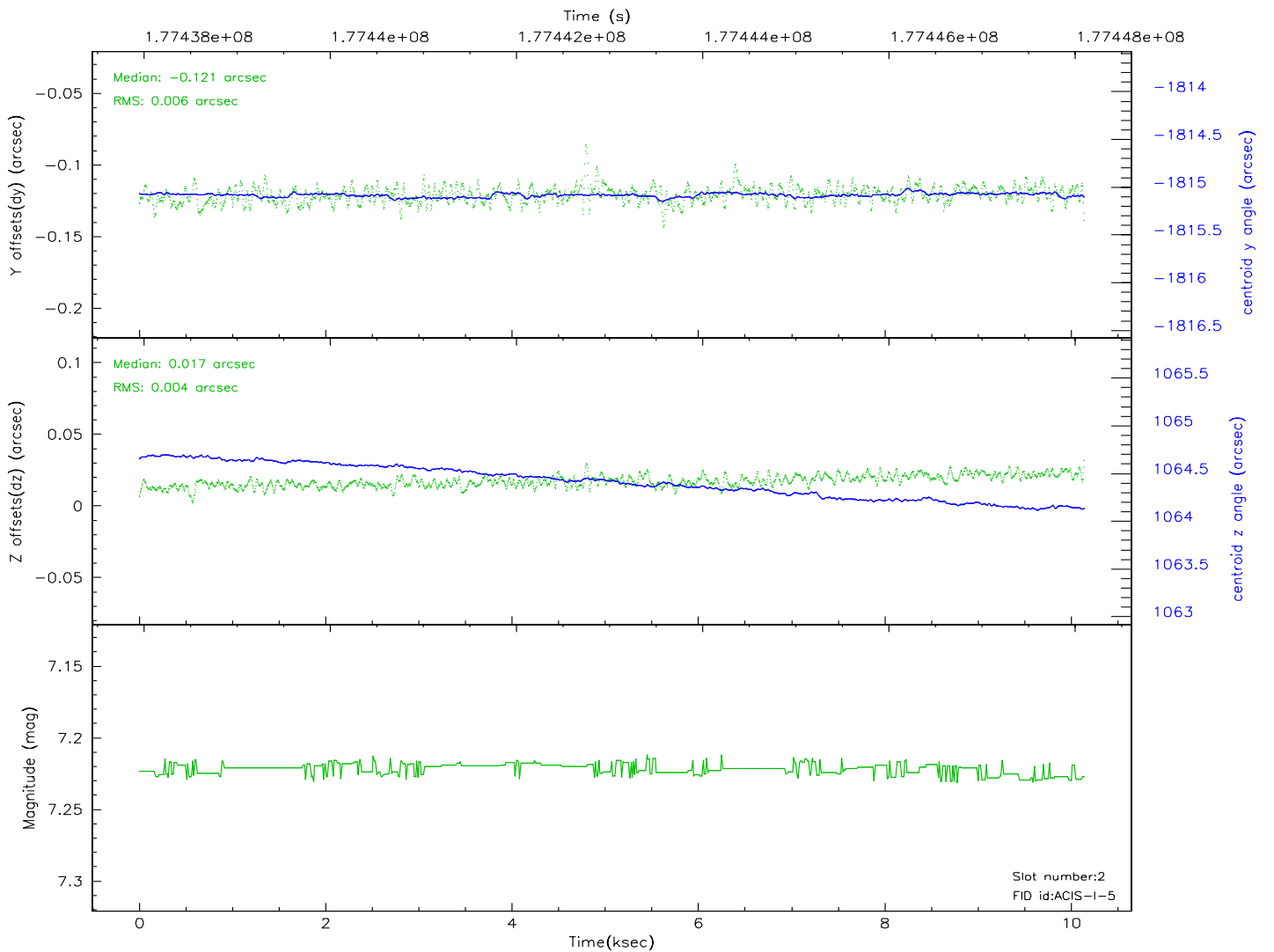
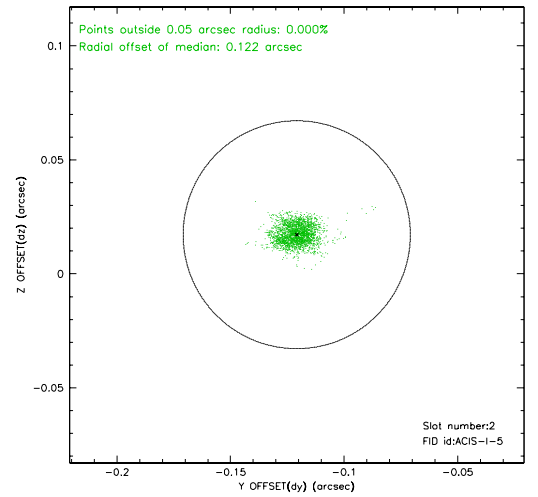
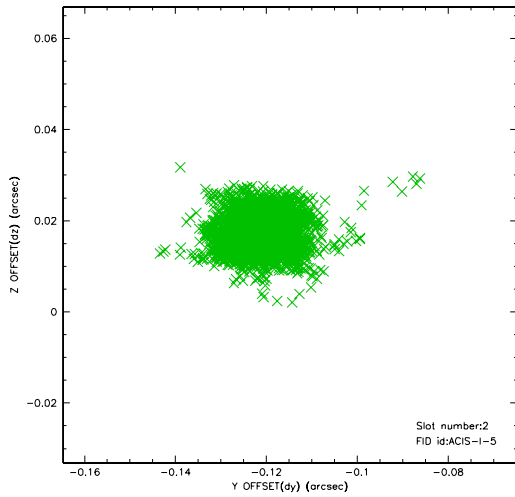
2.5.1 Slot 0



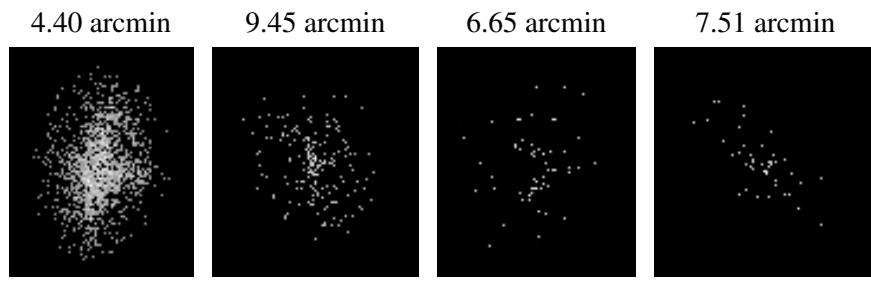
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2006.07.11 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 10.136 |

A.2 Comments