

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 6037 - L2 Version 002
Chandra X-Ray Center

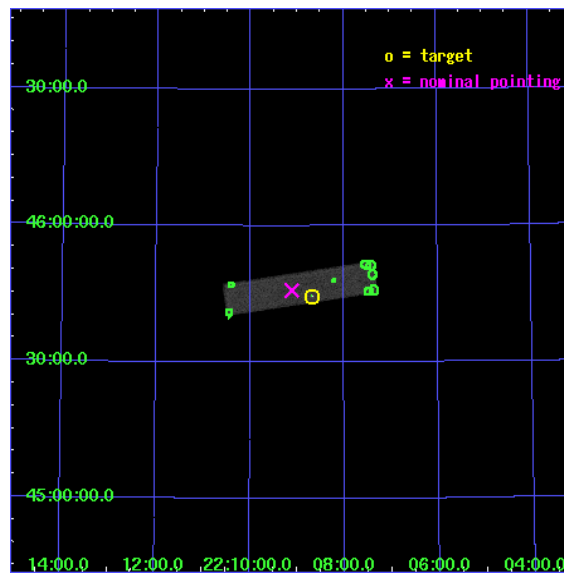
L2 Processing Date: Feb 22 2006

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1 Front

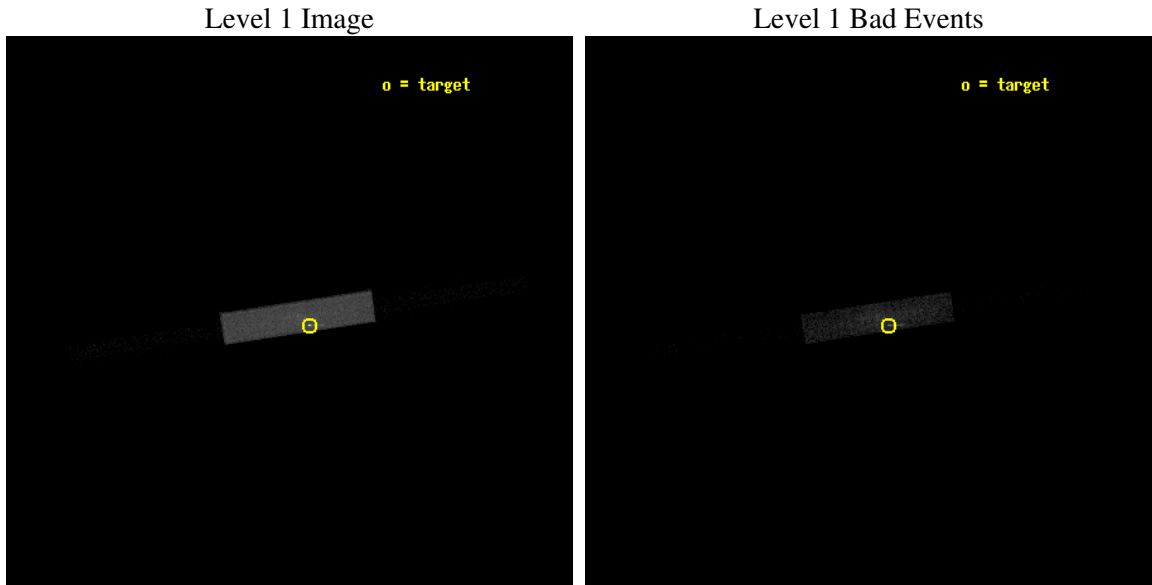
| | |
|----------|---|
| seq_num | 290529 |
| obs_id | 6037 |
| title | AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain |
| observer | Dr. CXC Calibration |
| object | ArLac |
| ra_targ | 332.17 |
| dec_targ | 45.742306 |
| ra_nom | 332.27743327645 |
| dec_nom | 45.763584009502 |
| roll_nom | 351.32376944852 |
| revision | 2 |
| ontime | 1153.3813021481 |
| livetime | 1146.4203731524 |
| l2events | 45839 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7 |
| caldbver | 3.2.1 |
| date | 2006-02-22T23:04:19 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 1000.000000 |
| ontime | 1182.0813034475 |
| l1events | 78902 |

2.1.3 Events

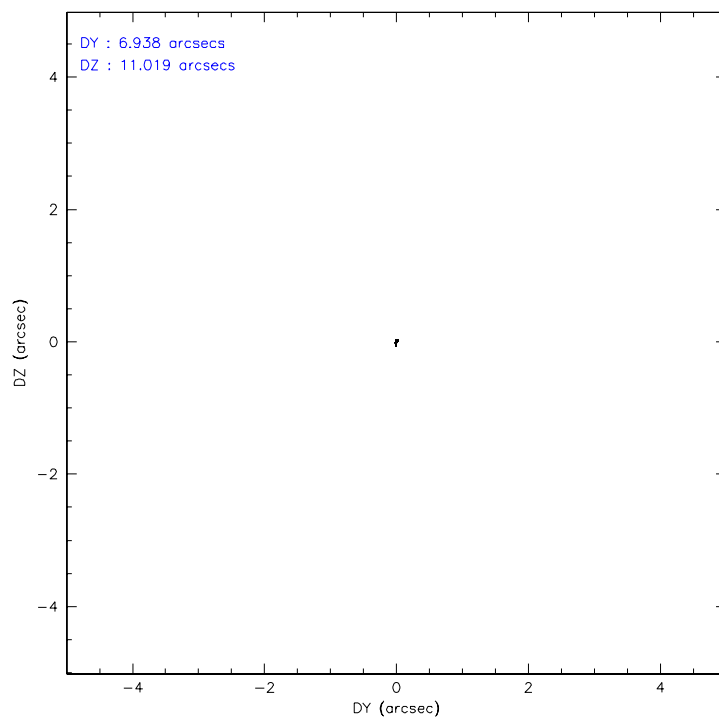
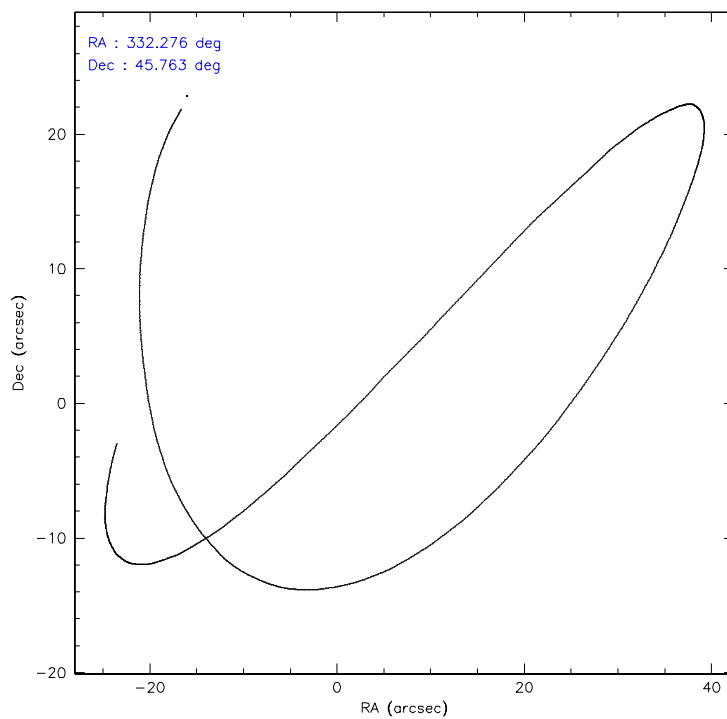
Level 1 Events

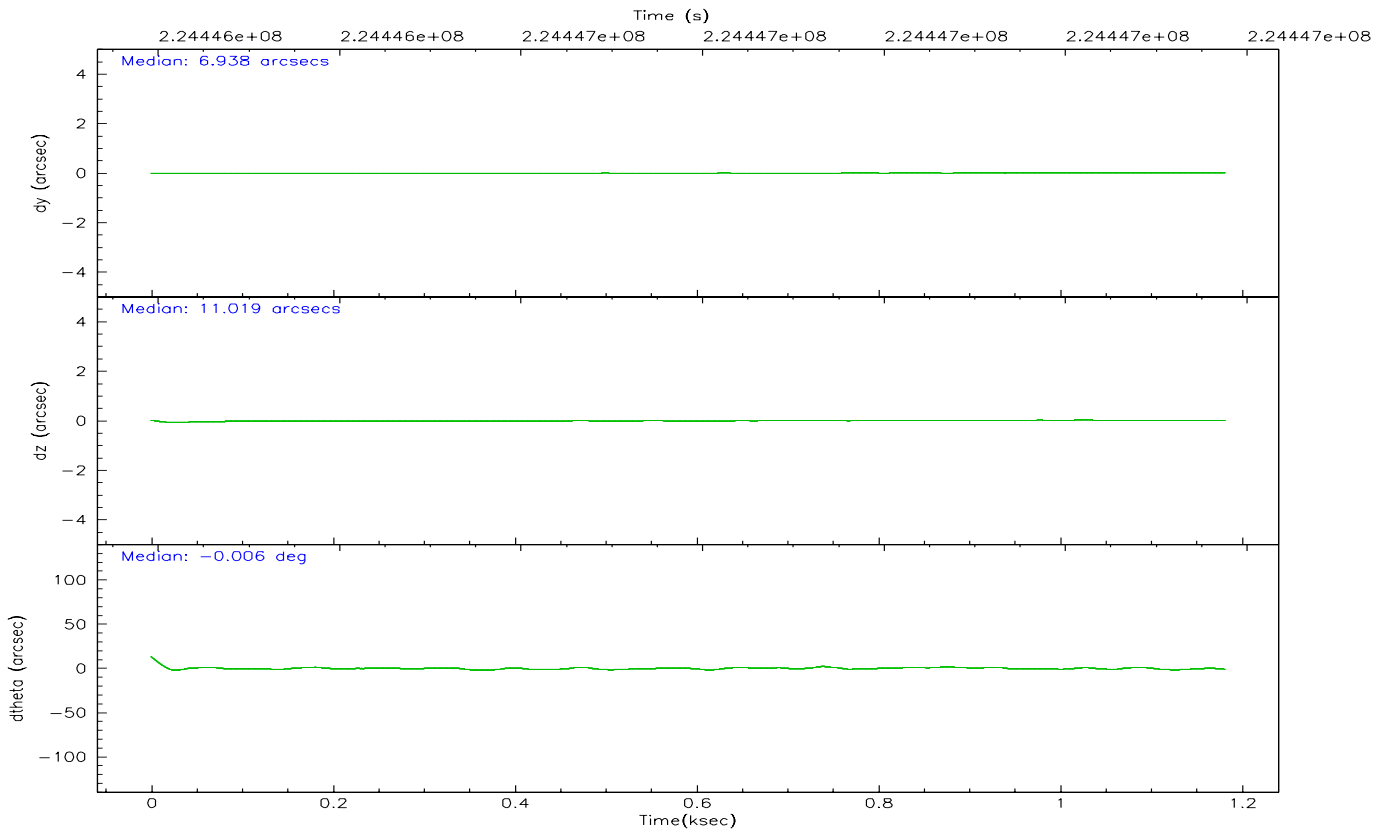
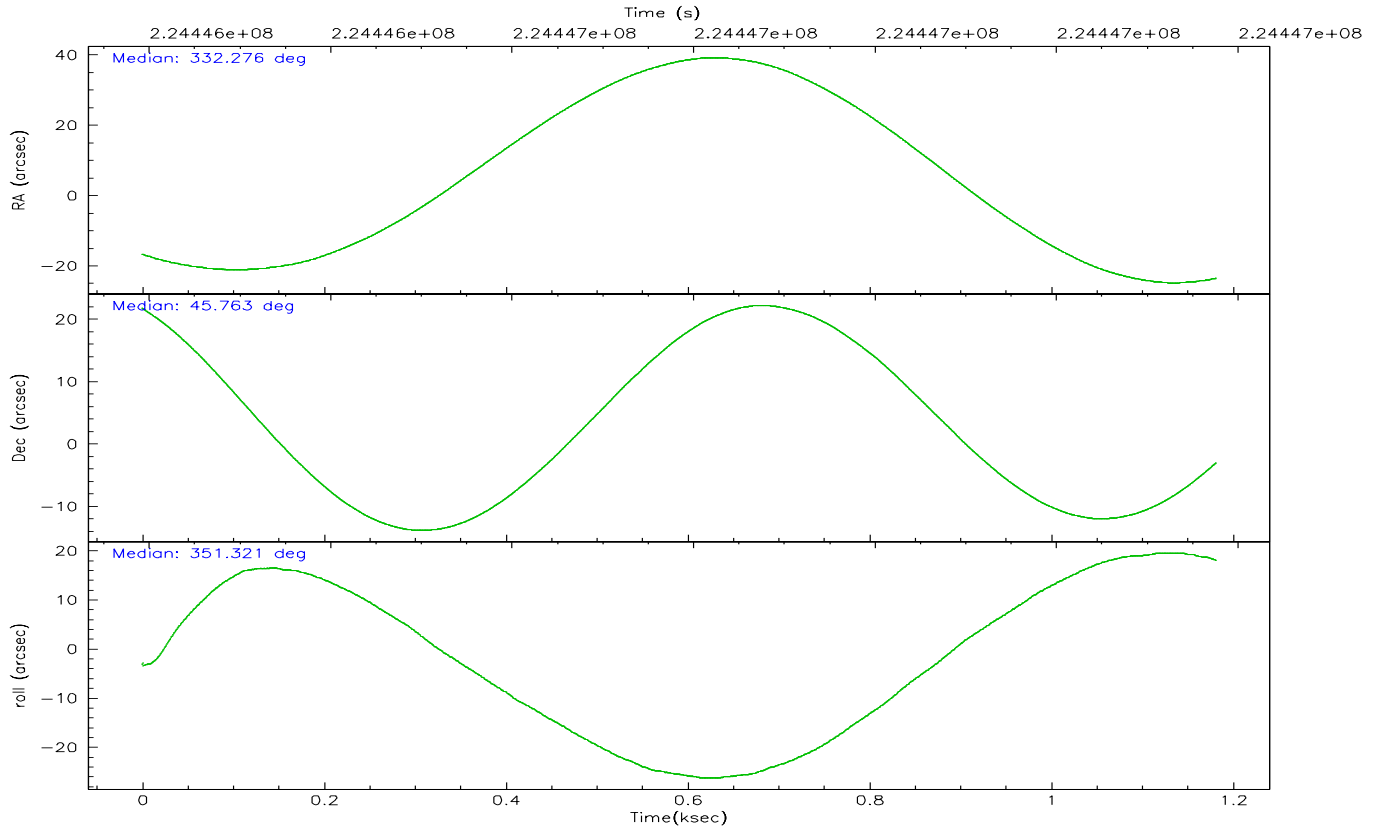
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 641 | 77644 | 617 |
| rejected events | 641 | 28493 | 617 |
| rejected % | 100% | 36% | 100% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|------------------------------|-----------|---------|
| Instrument | HRC | HRC | Obspar format version number | 6 | 6 |
| Detector | HRC-S | HRC-S | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | OBSERVING | OBSERVING | | | |
| Observation mode | POINTING | POINTING | | | |
| Pointing RA | 332.240882 | 332.2774332764498 | | | |
| Pointing Dec | 45.752623 | 45.76358400950154 | | | |
| Pointing Roll | 351.282682 | 351.3237694485181 | | | |
| SIM focus pos (mm) | -1.429586 | -1.428180813131781 | | | |
| SIM defocus (mm) | 0.1037507710433287 | 0.1051558262725154 | | | |
| SIM translation stage pos (mm) | 250.455976 | 250.466033080201 | | | |
| SIM translation stage offset (mm) | 0 | -0.01005468664627074 | | | |
| Observation start time | 224446373.184000 | 224445997.10846 | | | |
| Observation start date | 2005-02-10T18:11:49 | 2005-02-10T18:06:37 | | | |
| Observation end time | 224447373.184000 | 224447506.93353 | | | |
| Observation end date | 2005-02-10T18:28:29 | 2005-02-10T18:31:46 | | | |

2.3 Aspect



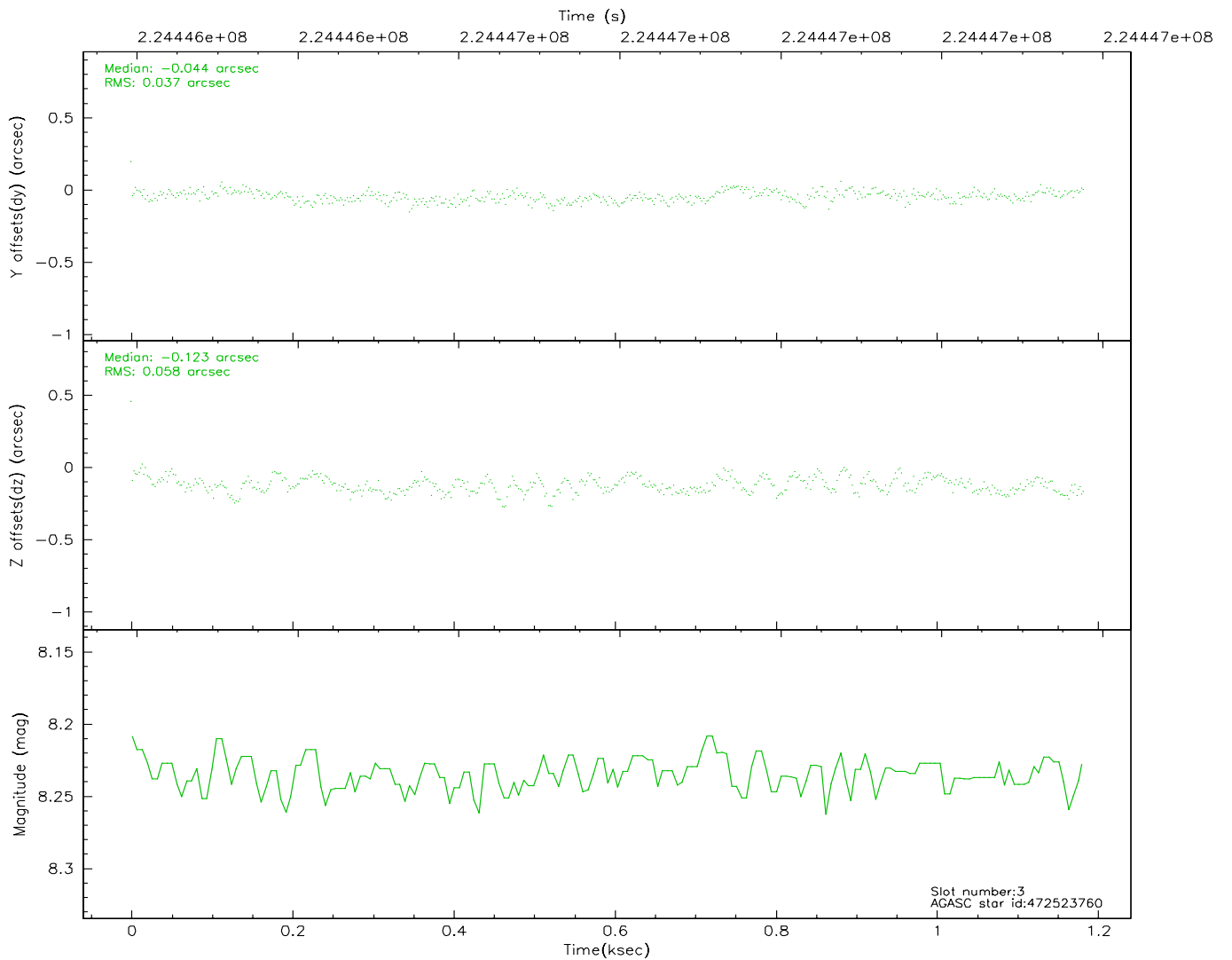
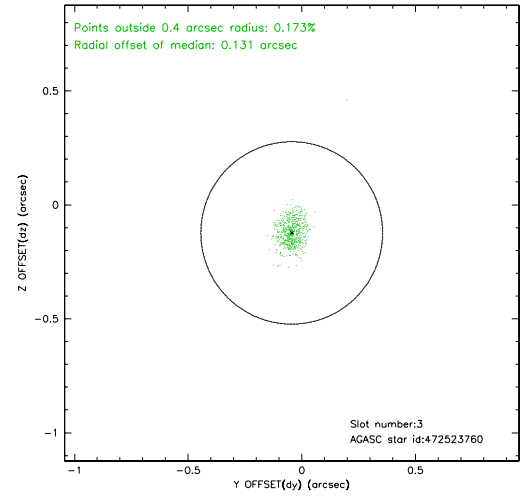
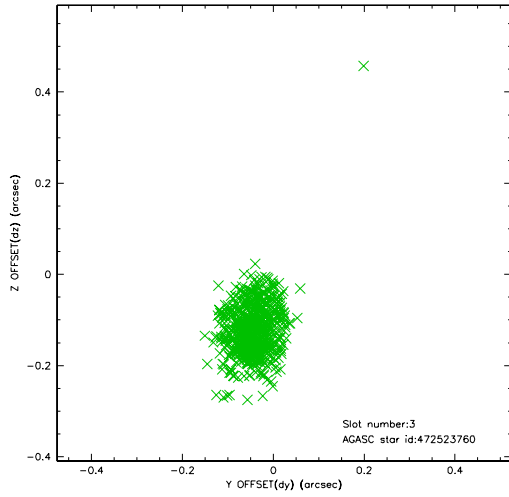


Slot Statistics

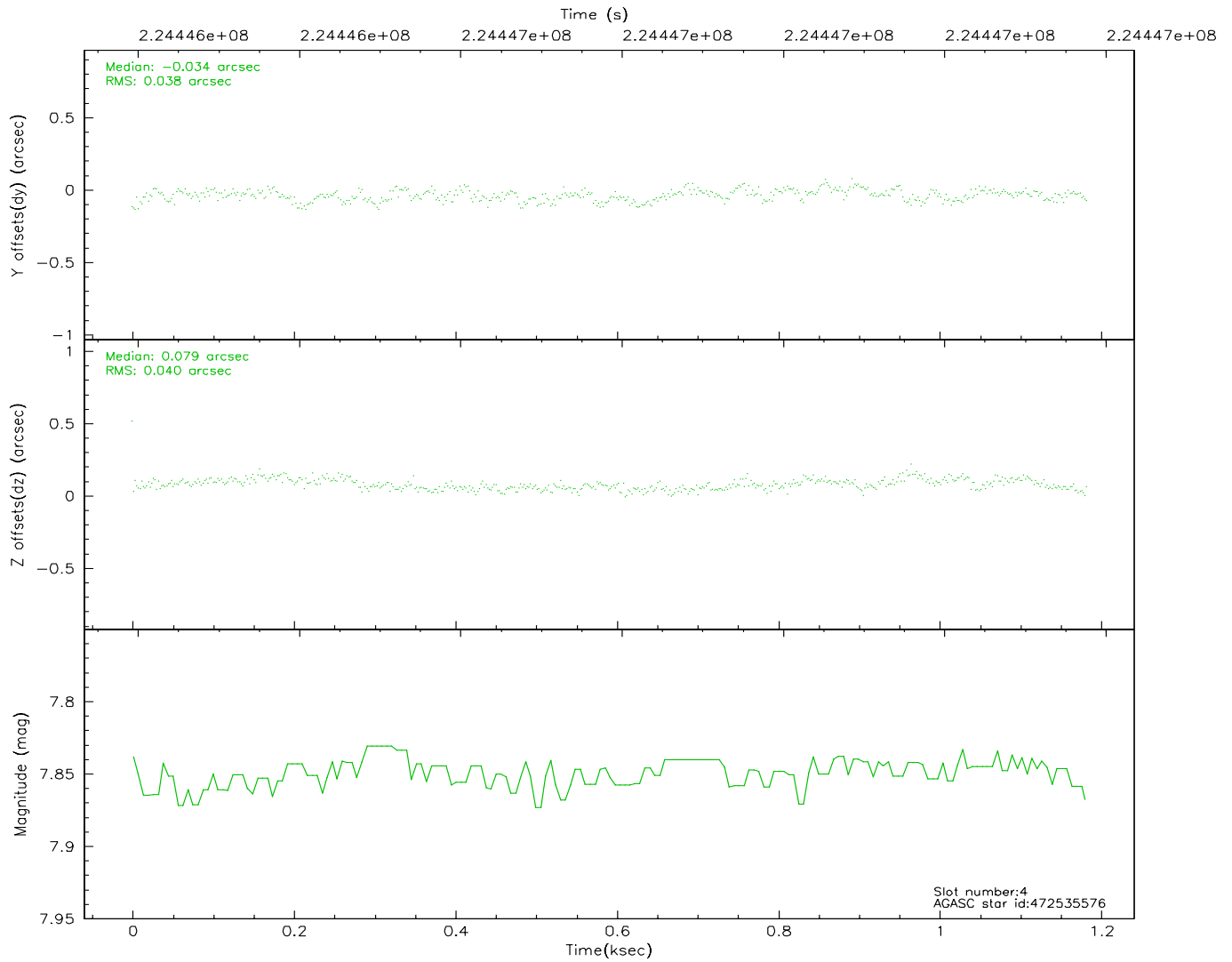
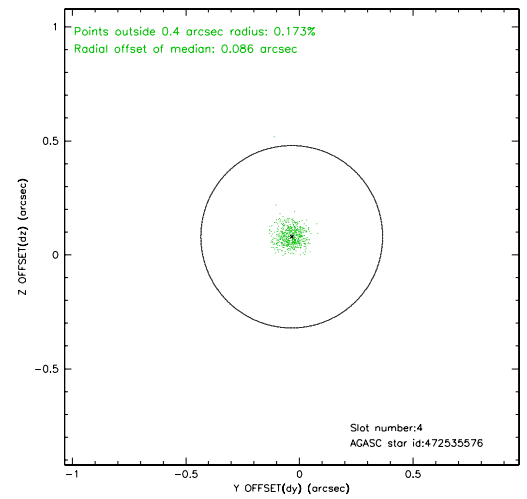
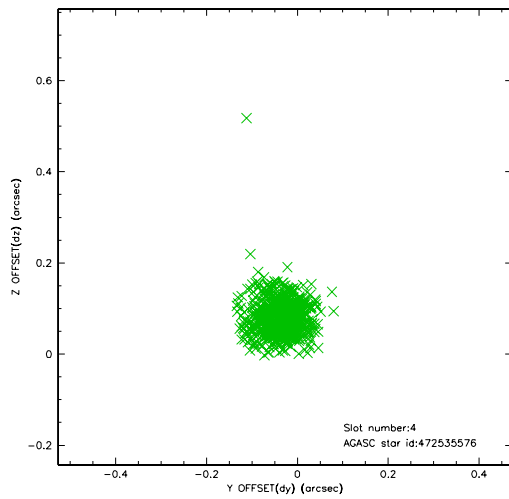
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 7.02 | 289 | 0.071 | -0.172 | 0.007 | 0.011 | 0.000000 | 0.000000 | -1161.11 | -459.80 |
| 1 | FID | HRC-S-3 | 7.03 | 289 | 0.113 | -0.051 | 0.008 | 0.012 | 0.000000 | 0.000000 | -1167.86 | 568.26 |
| 2 | FID | HRC-S-4 | 6.98 | 289 | 0.203 | -0.075 | 0.004 | 0.008 | 0.000000 | 0.000000 | 1233.19 | 574.47 |
| 3 | GUIDE | 472523760 | 8.23 | 578 | -0.044 | -0.123 | 0.068 | 0.108 | 331.645363 | 45.403260 | -1296.47 | -1462.77 |
| 4 | GUIDE | 472535576 | 7.85 | 578 | -0.034 | 0.079 | 0.056 | 0.091 | 331.438373 | 46.291802 | -2269.72 | 1626.74 |
| 5 | GUIDE | 472536328 | 8.13 | 578 | -0.069 | 0.063 | 0.079 | 0.128 | 331.496671 | 46.454831 | -2211.47 | 2233.62 |
| 6 | GUIDE | 472655152 | 9.43 | 578 | 0.212 | -0.038 | 0.098 | 0.168 | 332.504239 | 45.862991 | 590.24 | 500.97 |
| 7 | GUIDE | 472665256 | 9.01 | 577 | -0.049 | 0.022 | 0.090 | 0.145 | 332.808125 | 46.195041 | 1157.54 | 1797.75 |

2.4 Star Slots

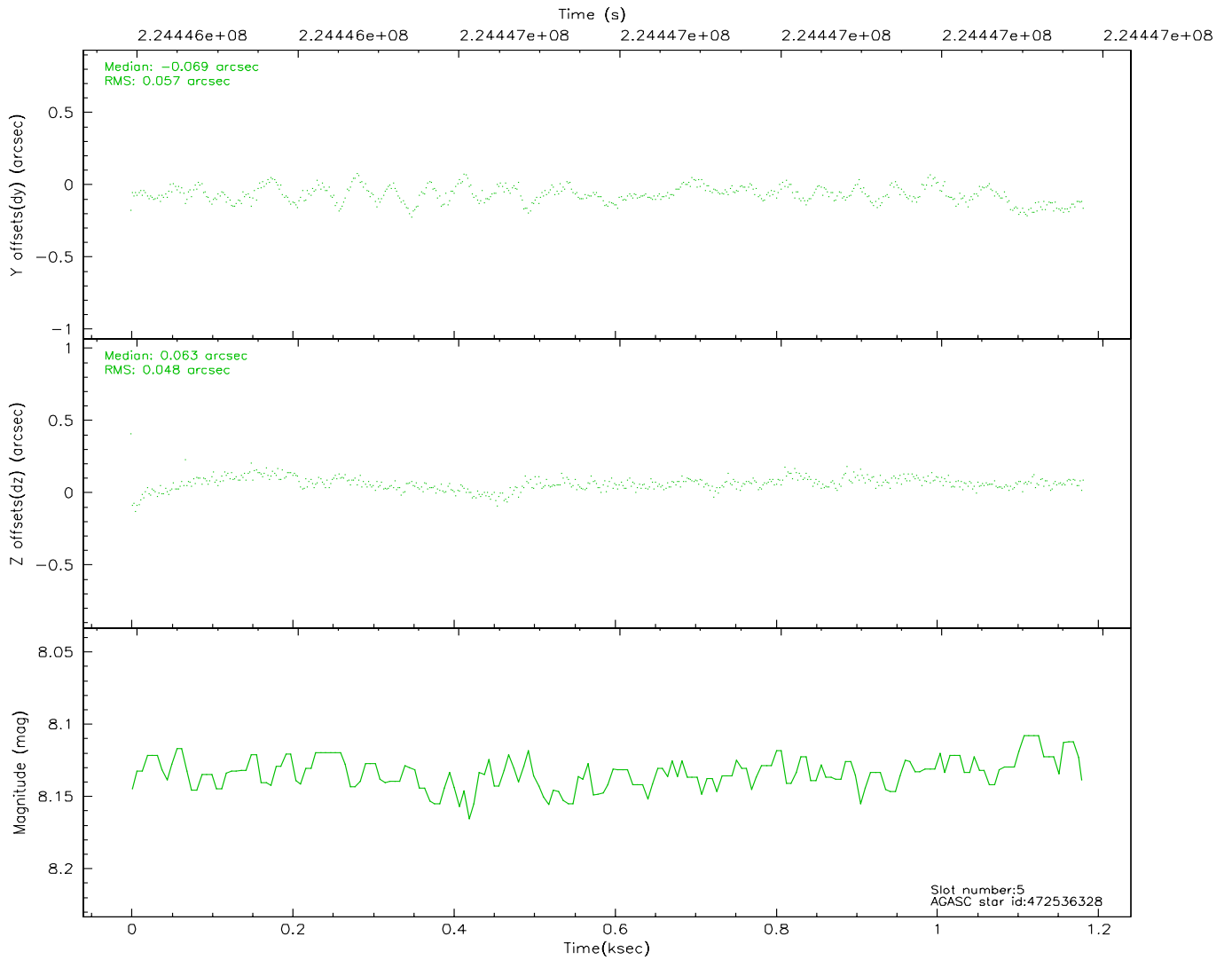
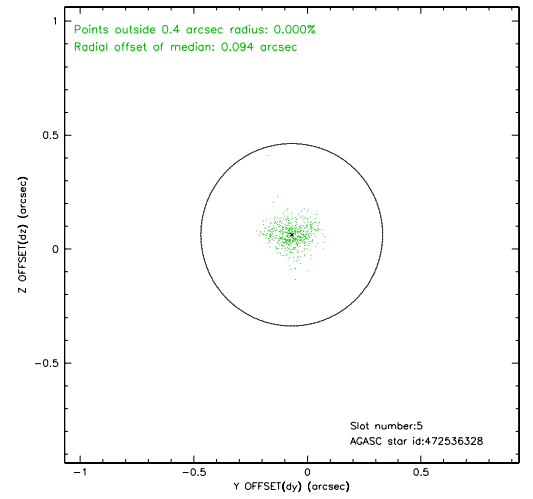
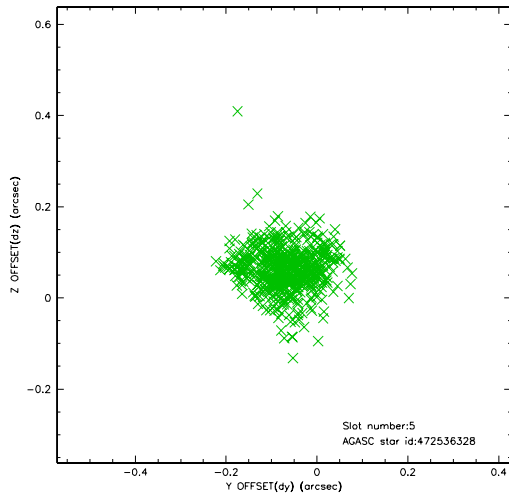
2.4.1 Slot 3



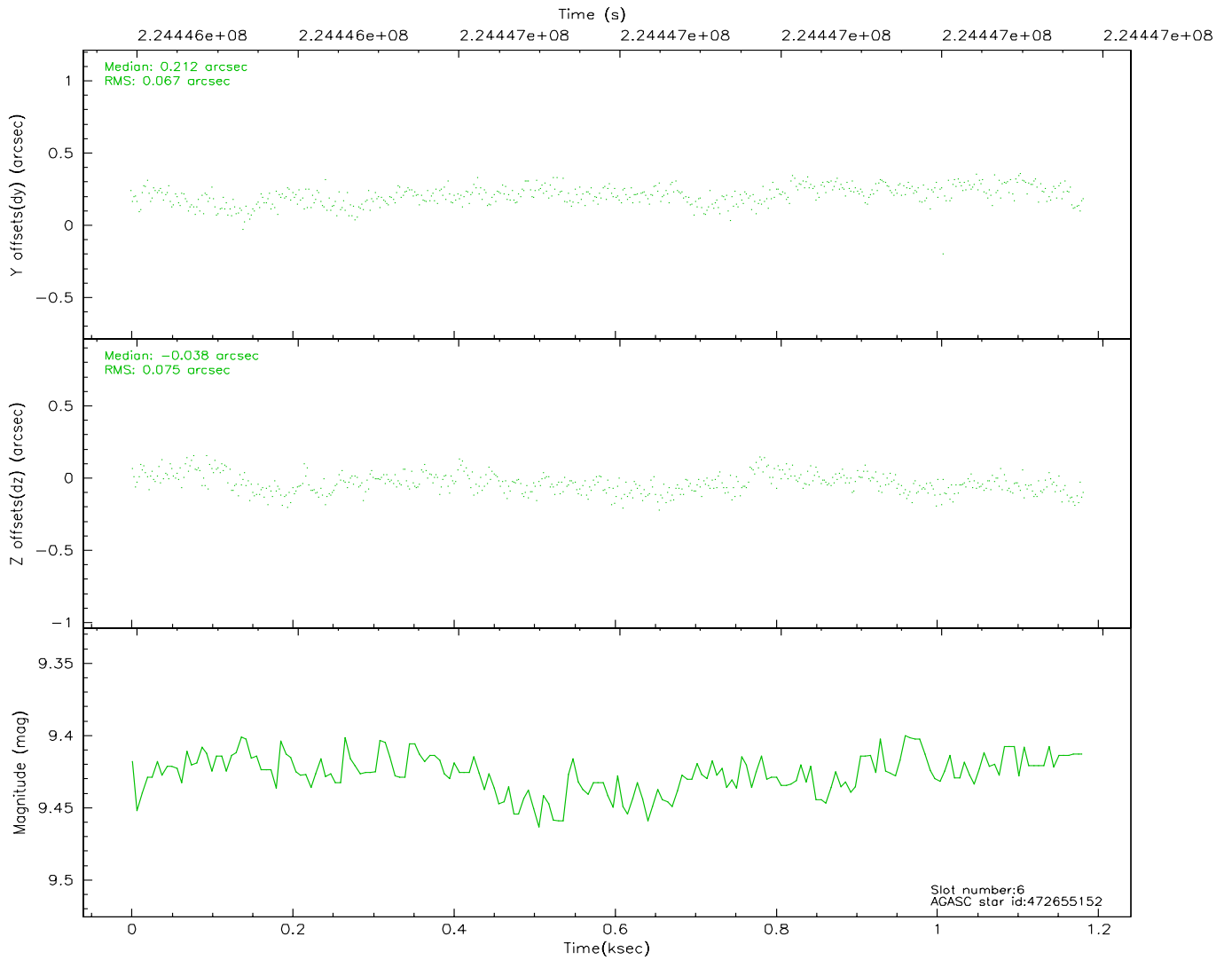
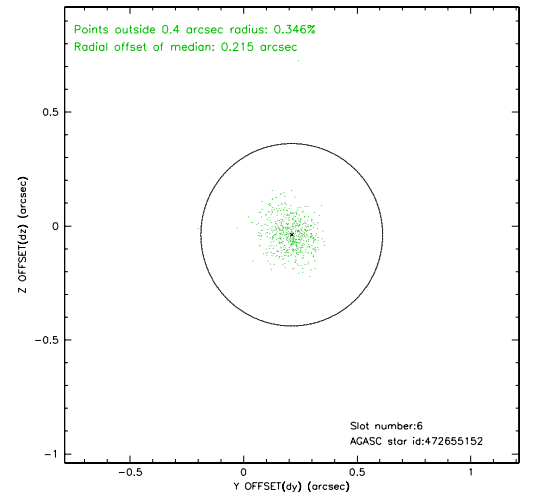
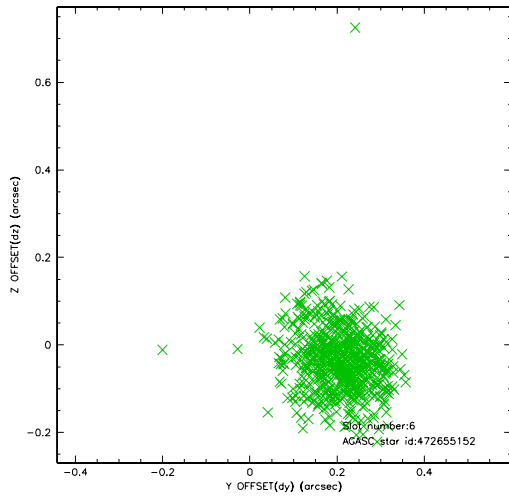
2.4.2 Slot 4



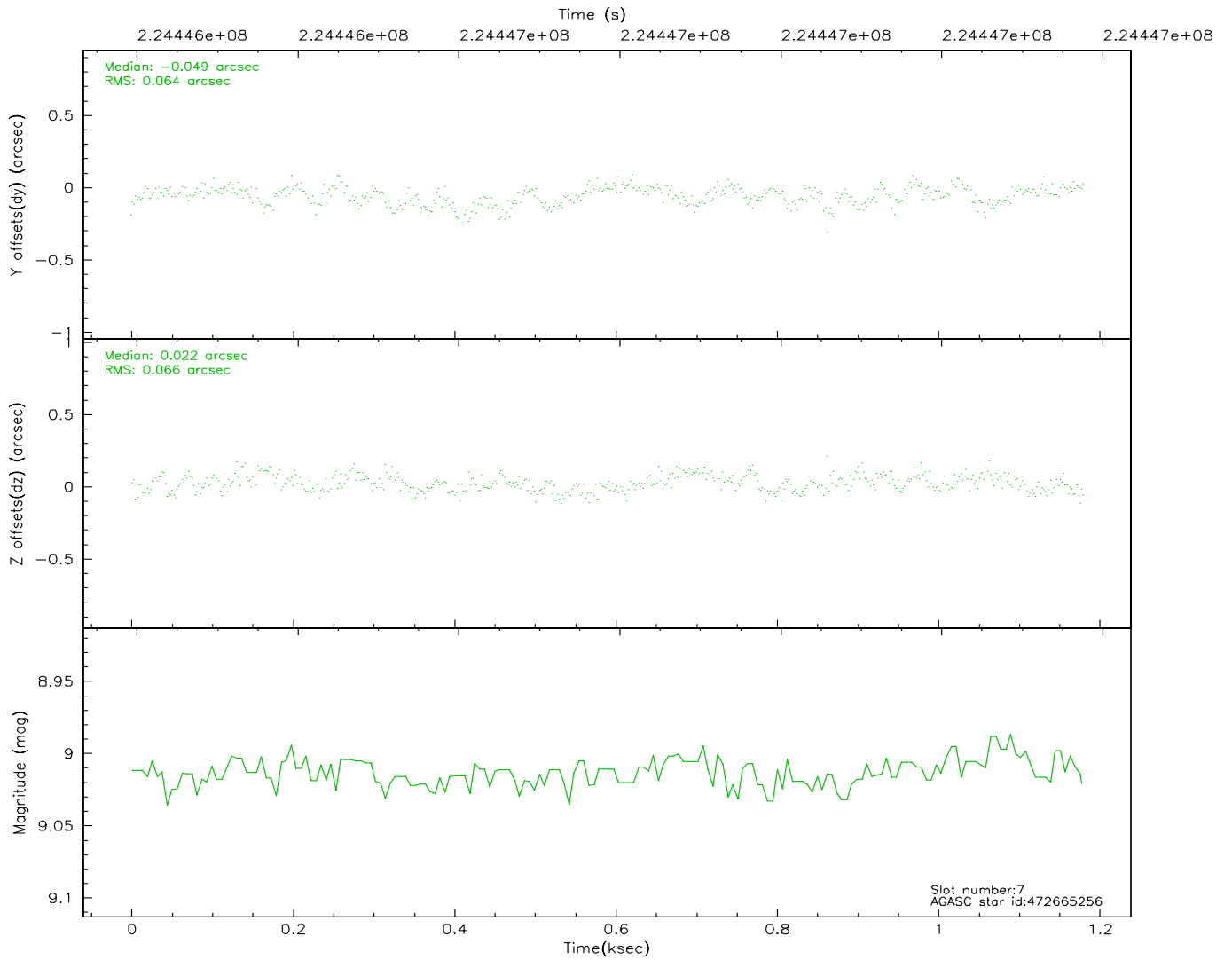
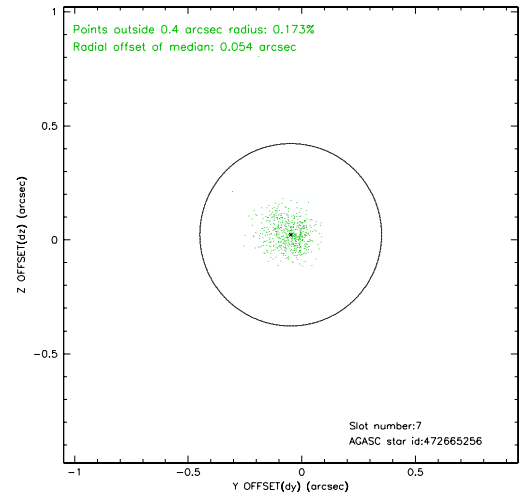
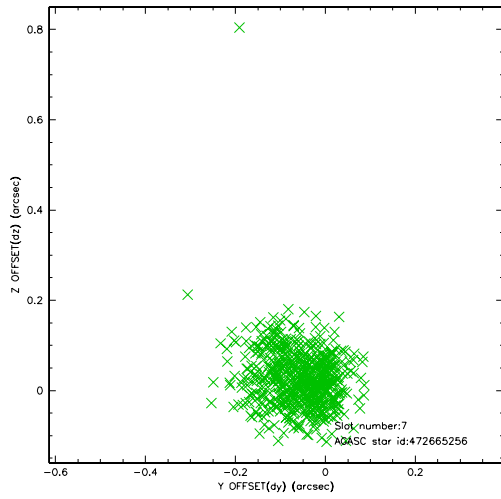
2.4.3 Slot 5



2.4.4 Slot 6

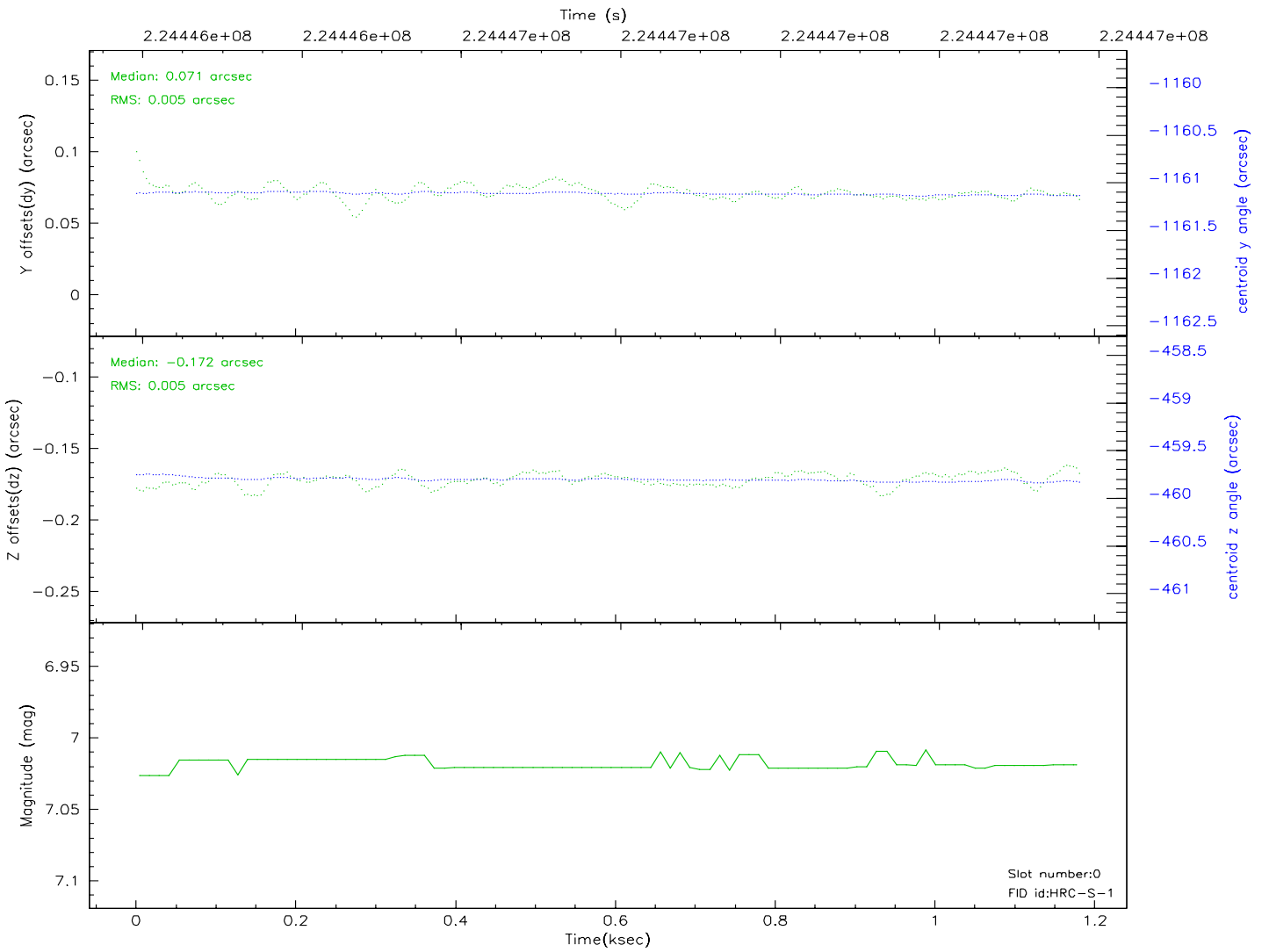
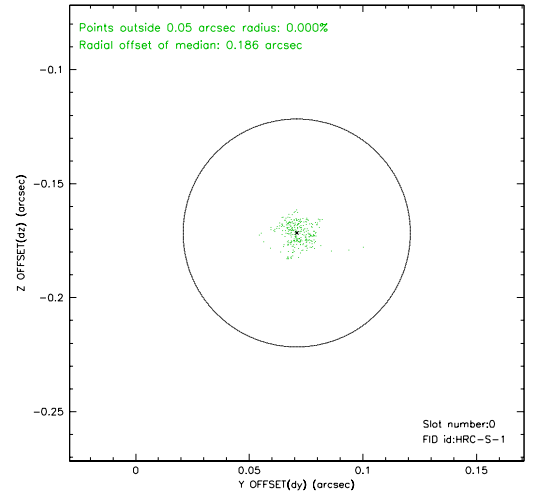
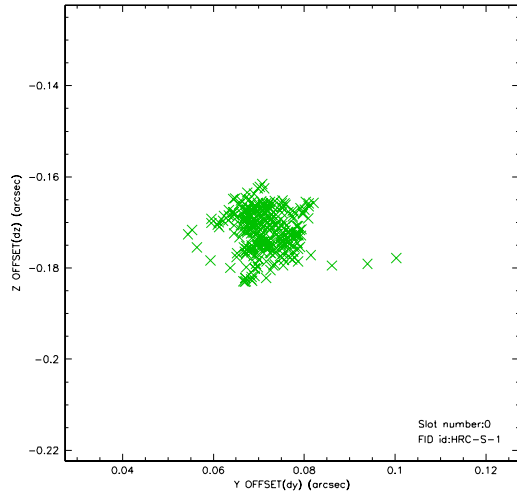


2.4.5 Slot 7

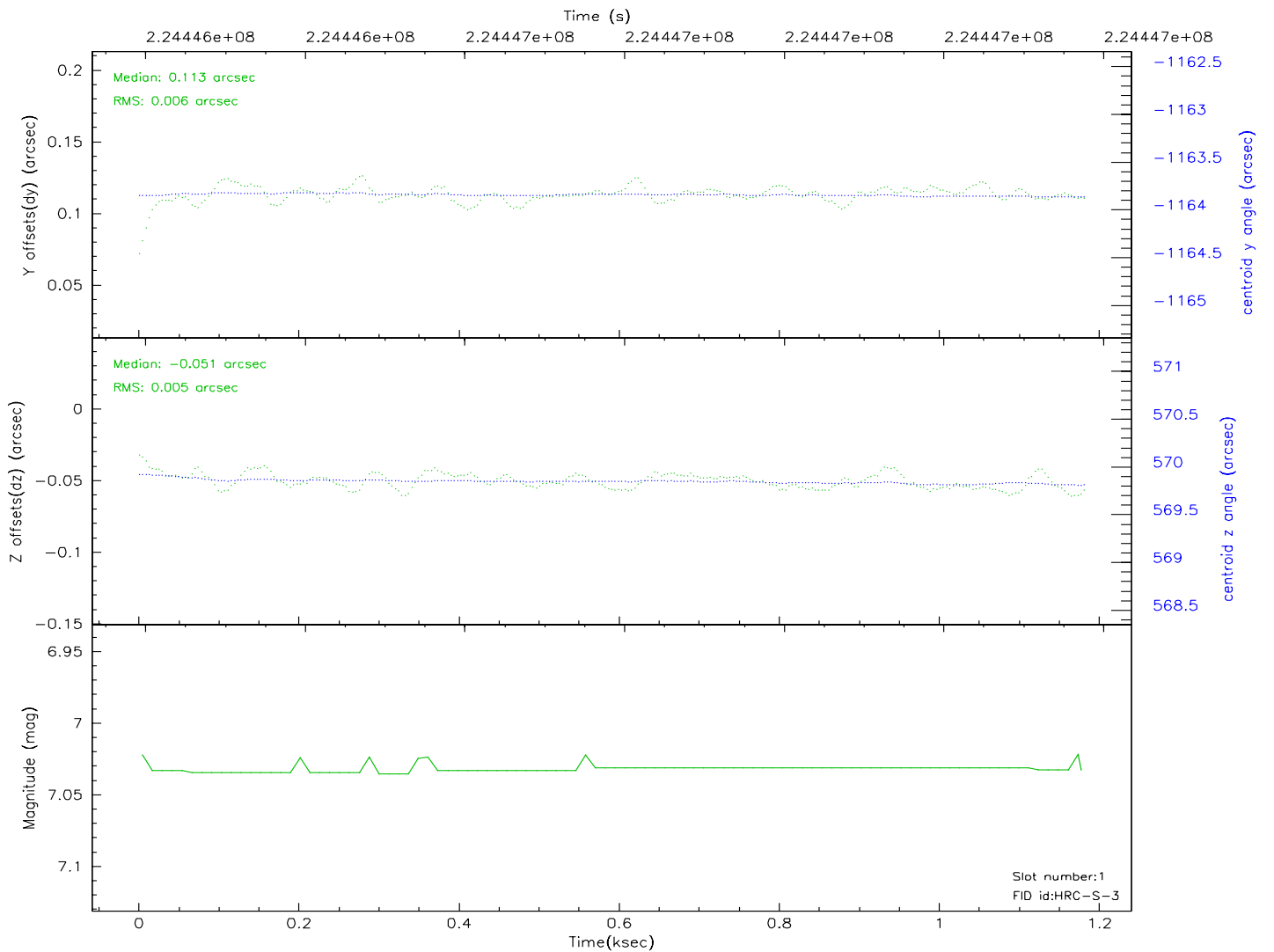
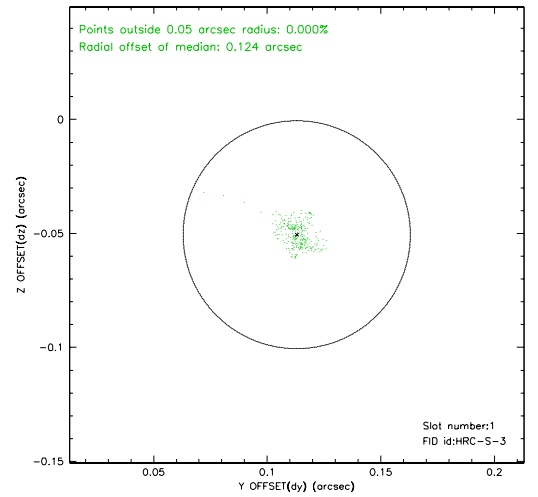
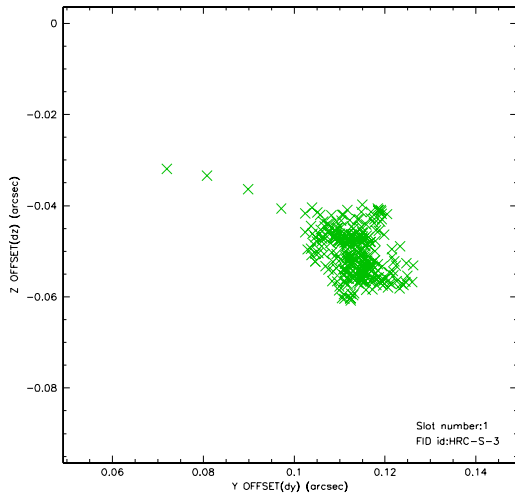


2.5 FID Slots

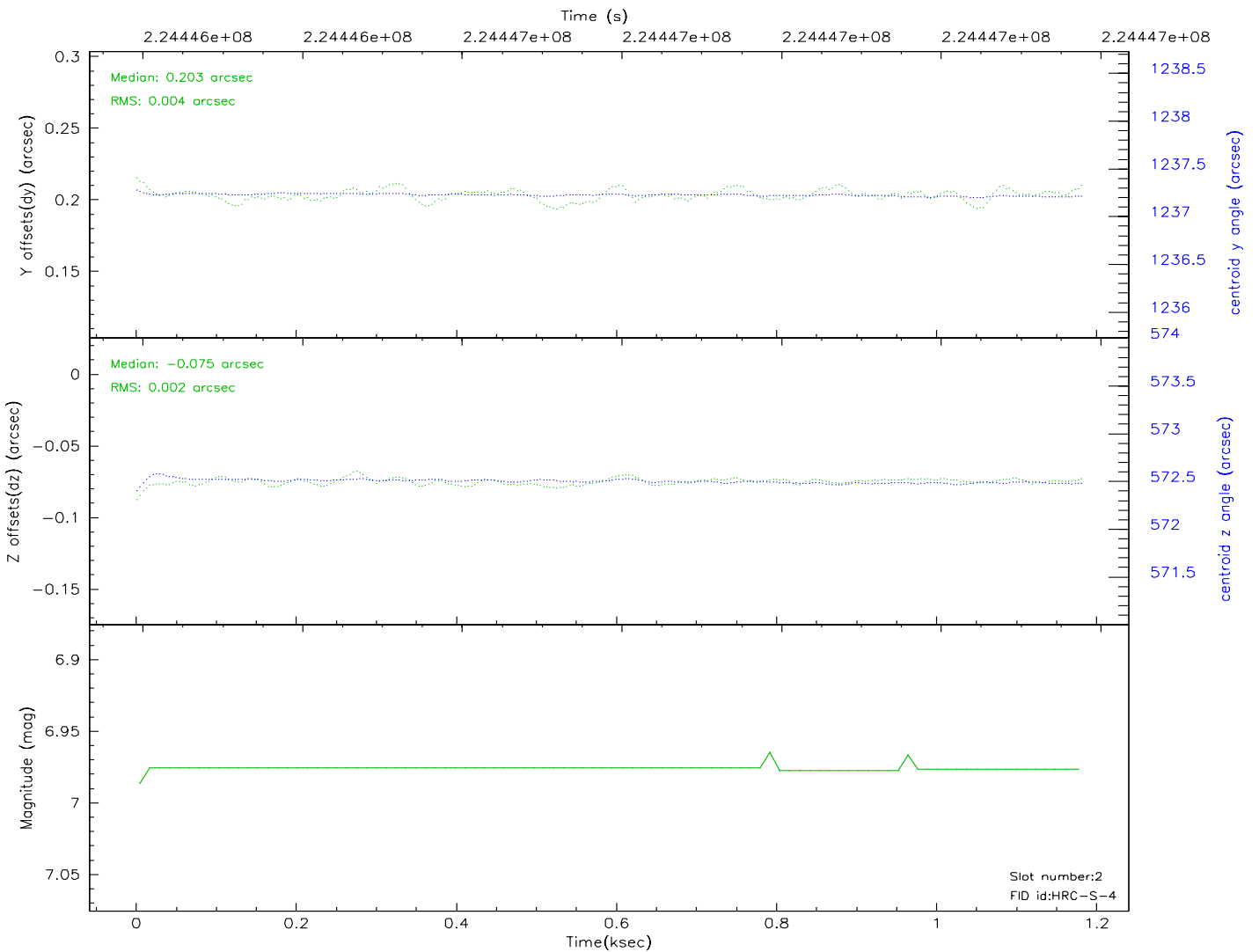
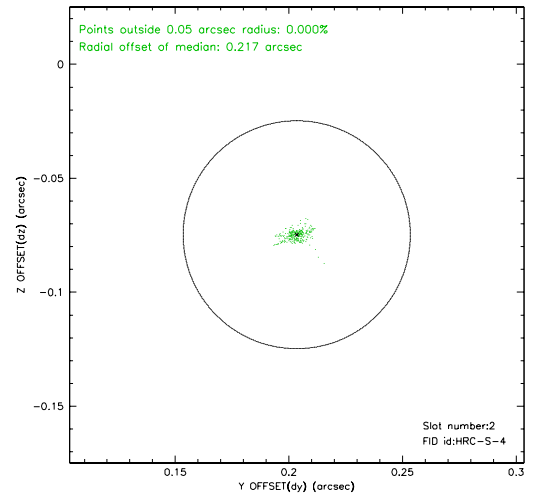
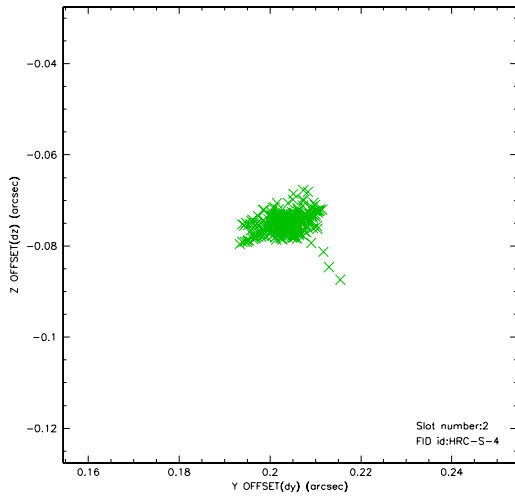
2.5.1 Slot 0



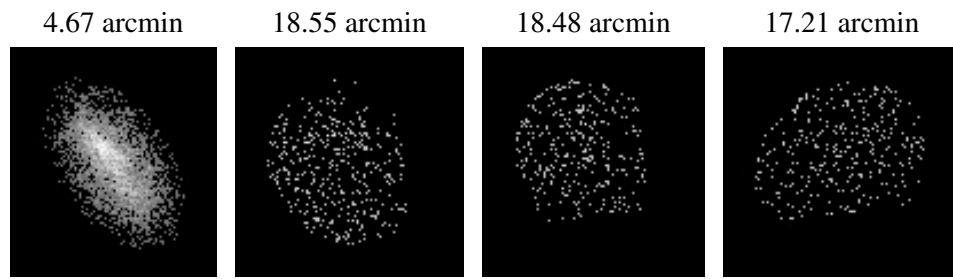
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2006.02.23 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.153125 |

A.2 Comments