

V&V Reference Report

L2 ASCDS Version : 8.3.2.1

Observation 1325 - L2 Version 4

Chandra X-Ray Center

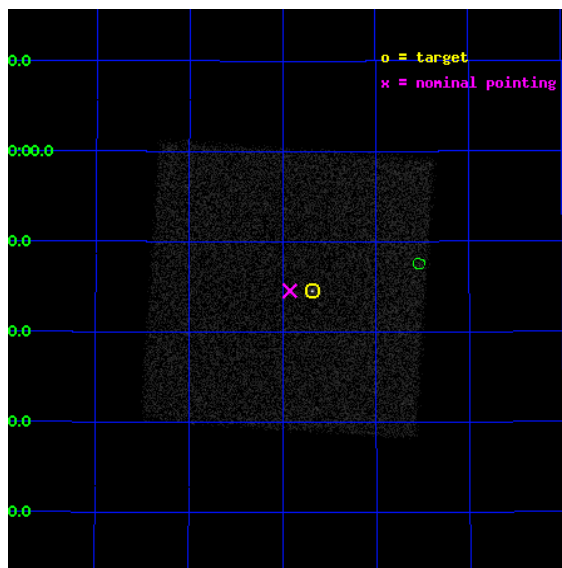
L2 Processing Date : Oct 14 2010

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1 Front

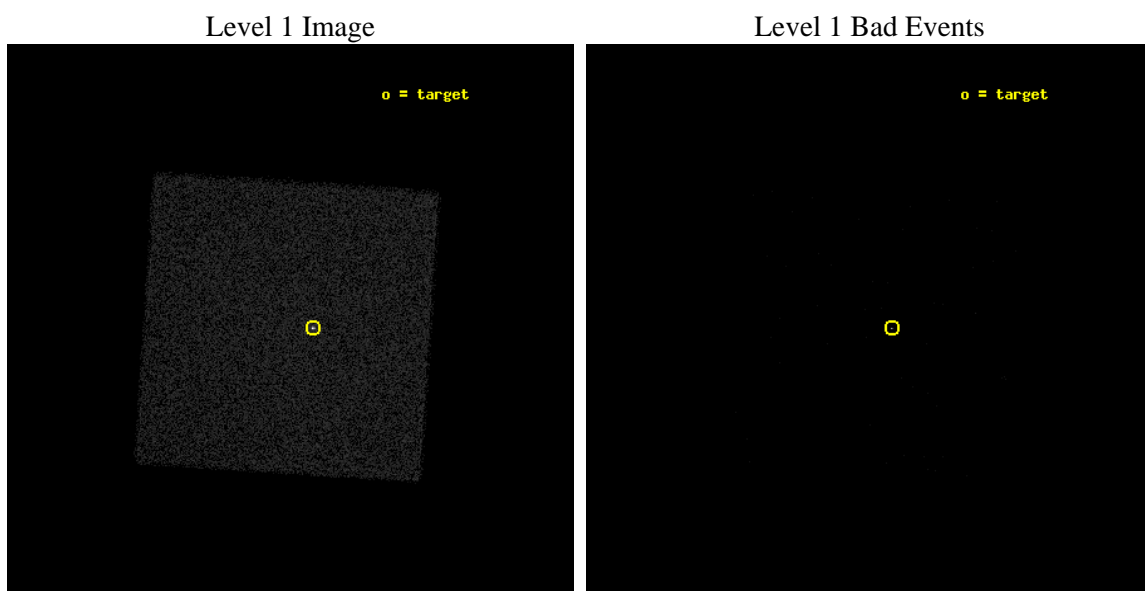
| | | |
|----------|---------------------|---------------------------------|
| seq_num | 280275 | Sequence number |
| obs_id | 1325 | Observation id |
| title | | Proposal title |
| observer | Dr. CXC Calibration | Principal investigator |
| object | ArLac | Source name |
| ra_targ | 332.1701 | Observer's specified target RA |
| dec_targ | 45.7423 | Observer's specified target Dec |
| ra_nom | 332.23019492164 | Nominal RA |
| dec_nom | 45.742728931428 | Nominal Dec |
| roll_nom | 228.81382679871 | Nominal Roll |
| revision | 4 | Processing version of data |
| ontime | 1274.3312959075 | [s] |
| livetime | 1265.2371528303 | Ontime multiplied by DTCOR |
| l2events | 40779 | Number of level 2 events |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|-------------------------------------|
| obi_num | 0 | Obi number | sched_exp_time | 1000.000000 | Scheduled observation exposure time |
| ascdsver | 8.3.2.1 | Processing system revision | ontime | 1274.3312959075 | [s] |
| caldbver | 4.3.1 | | l1events | 69960 | Number of level 1 events |
| date | 2010-09-28T15:28:37 | Date and time of file creation | | | |
| revision | 4 | Processing version of data | | | |

2.1.3 Events

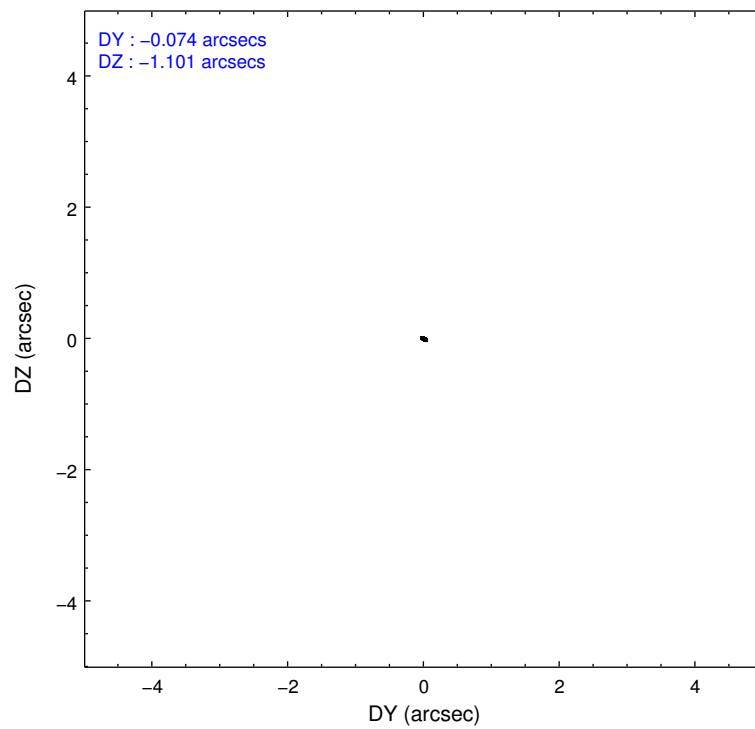
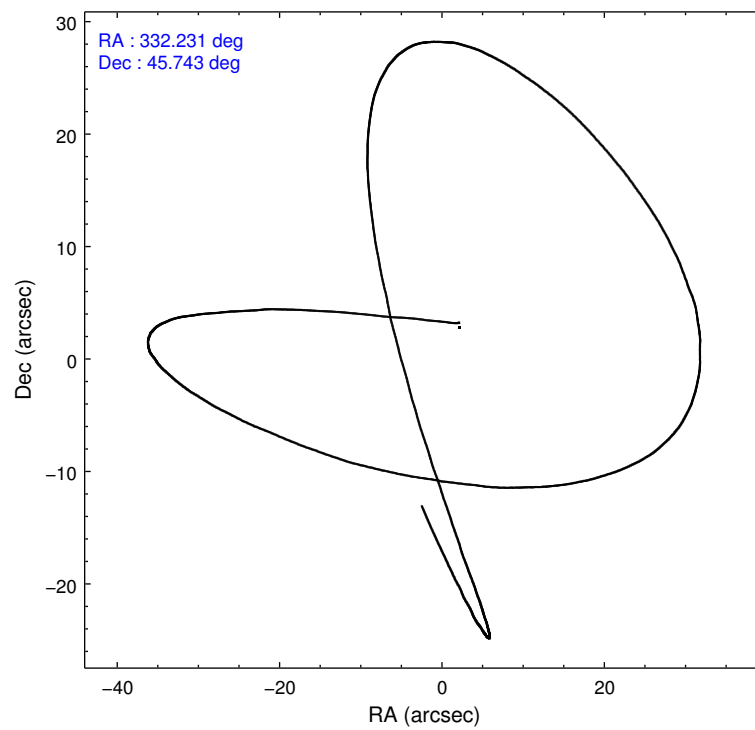
Level 1 Events

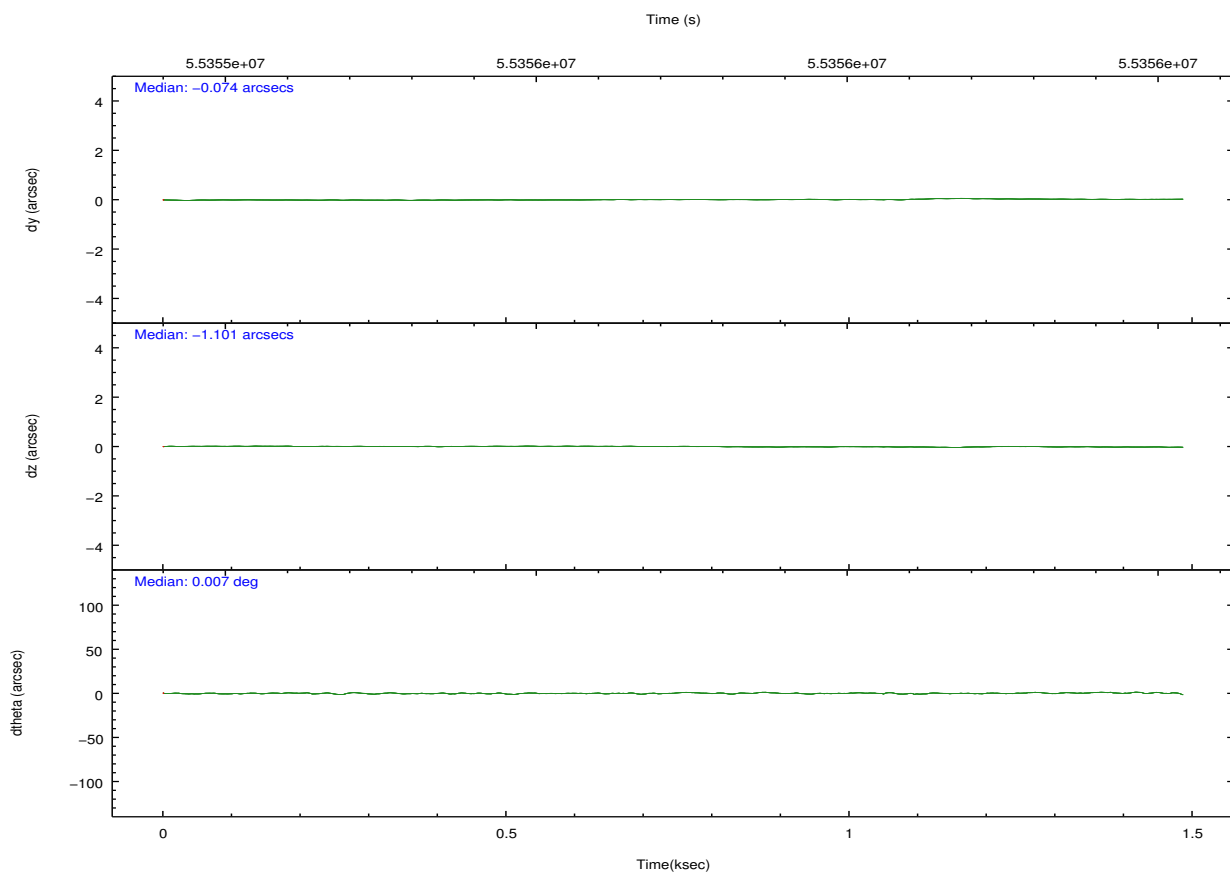
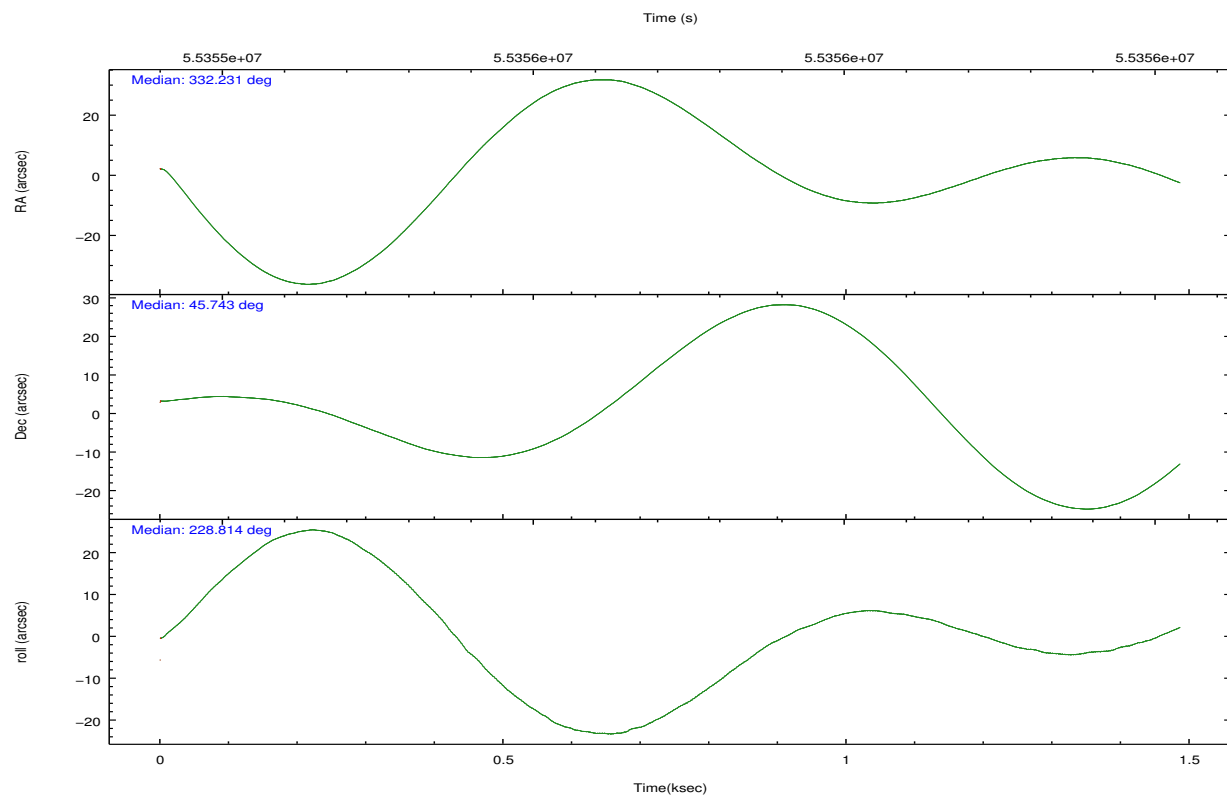
| | |
|-----------------|----------------------|
| | segment 0 |
| level 1 events | 69960 |
| rejected events | 2687 |
| rejected % | 3% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|------------------------|------------------------------|-----------|---------|
| Instrument | HRC | HRC | Obspar format version number | 6 | 6 |
| Detector | HRC-I | HRC-I | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | OBSERVING | OBSERVING | | | |
| Observation mode | POINTING | POINTING | | | |
| Pointing RA | 332.238772 | 332.2301949216351 | | | |
| Pointing Dec | 45.770401 | 45.74272893142761 | | | |
| Pointing Roll | 228.903127 | 228.8138267987113 | | | |
| SIM focus pos (mm) | -0.040293 | -0.2342646132009995 | | | |
| SIM defocus (mm) | 1 | 0.806028007457875 | | | |
| SIM translation stage pos (mm) | 126.985494 | 126.9854943052878 | | | |
| SIM translation stage offset (mm) | 0 | -5.413686238853188e-06 | | | |
| Observation start time | 55355464.184000 | 55354797.744103 | | | |
| Observation start date | 1999-10-03T16:30:00 | 1999-10-03T16:19:57 | | | |
| Observation end time | 55356464.184000 | 55356597.644168 | | | |
| Observation end date | 1999-10-03T16:46:40 | 1999-10-03T16:49:57 | | | |

2.3 Aspect



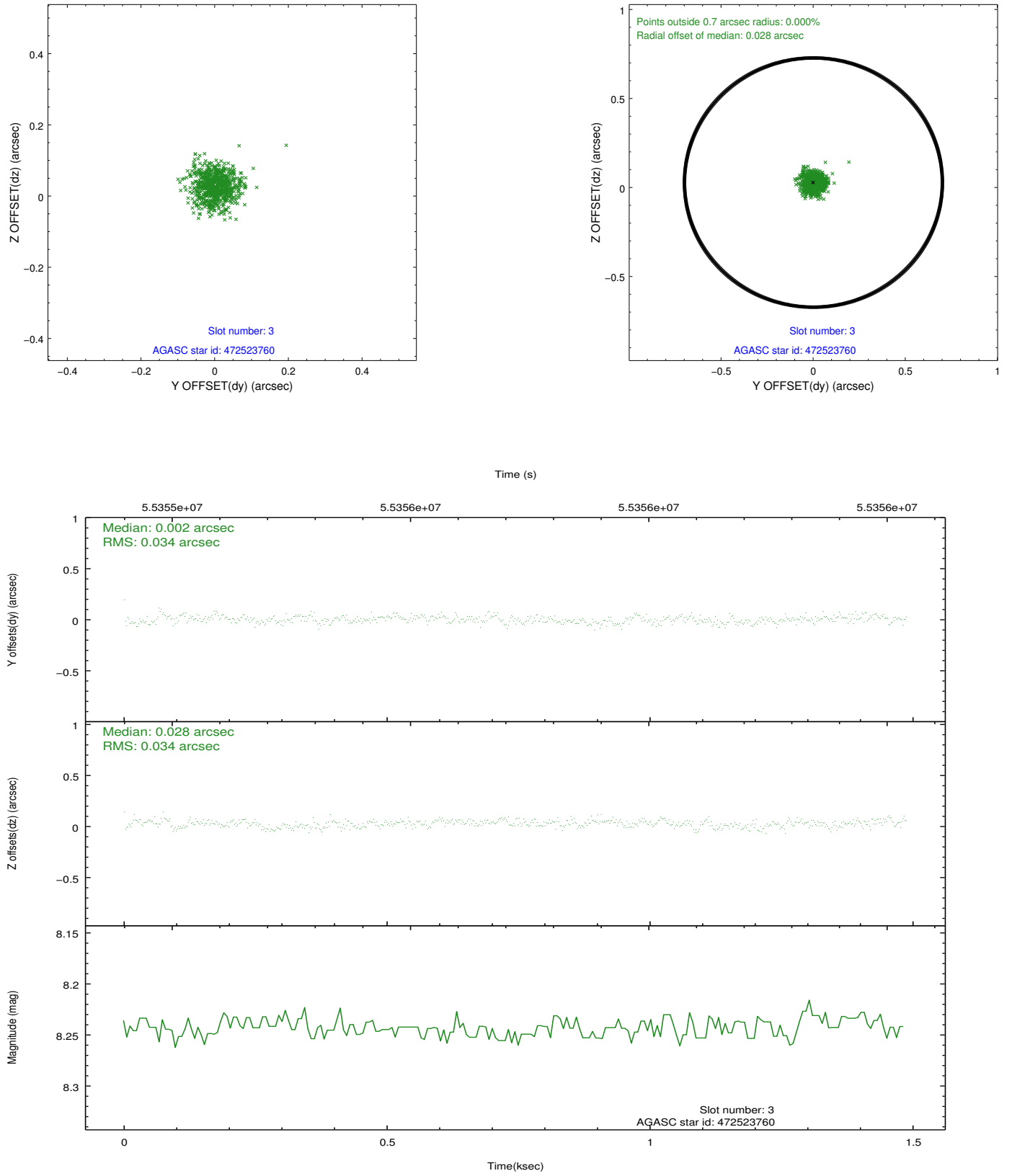


Slot Statistics

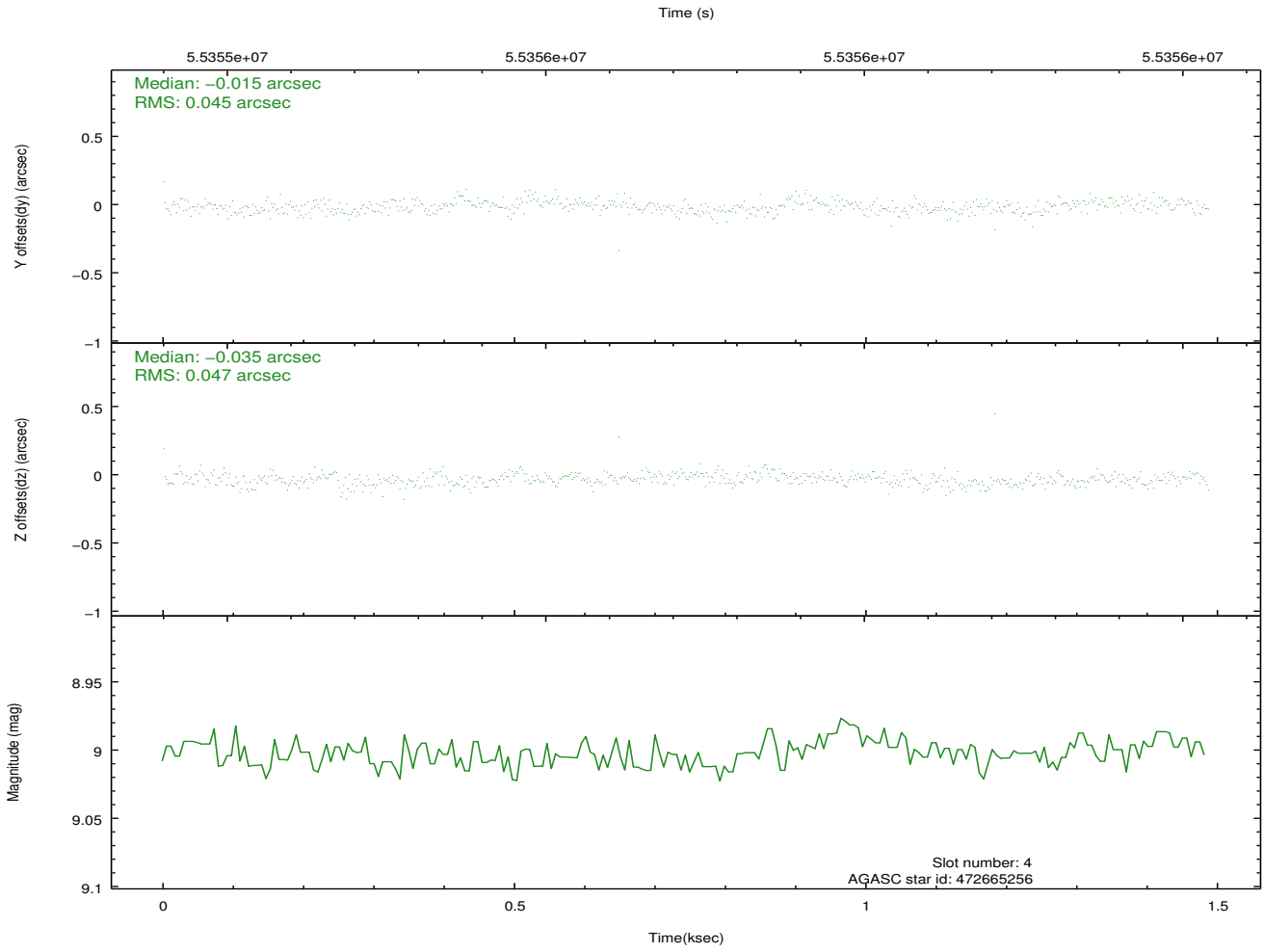
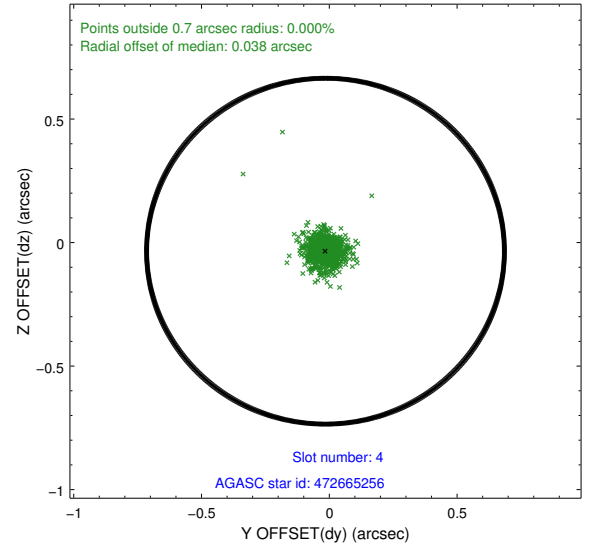
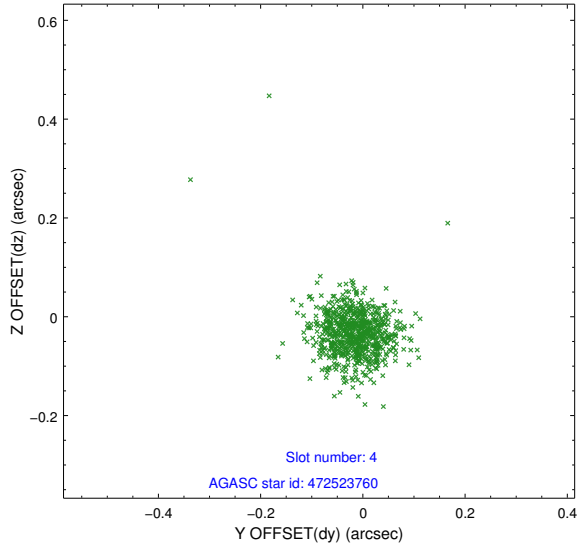
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-I-1 | 6.94 | 726 | 0.047 | -0.010 | 0.005 | 0.010 | 0.000000 | 0.000000 | -755.30 | -1286.70 |
| 1 | FID | HRC-I-3 | 7.02 | 726 | 0.055 | -0.037 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1184.92 | 1016.24 |
| 2 | FID | HRC-I-4 | 6.96 | 726 | 0.013 | -0.042 | 0.005 | 0.009 | 0.000000 | 0.000000 | 1285.92 | 1017.07 |
| 3 | GUIDE | 472523760 | 8.24 | 726 | 0.002 | 0.028 | 0.050 | 0.081 | 331.645363 | 45.403260 | 1974.96 | -265.89 |
| 4 | GUIDE | 472665256 | 9.00 | 726 | -0.015 | -0.035 | 0.062 | 0.103 | 332.808125 | 46.195041 | -2088.59 | 59.94 |
| 5 | GUIDE | 472659832 | 9.46 | 726 | -0.033 | 0.055 | 0.076 | 0.127 | 332.780399 | 46.098139 | -1787.09 | 239.82 |
| 6 | GUIDE | 472654568 | 9.44 | 726 | 0.010 | -0.014 | 0.091 | 0.141 | 332.194449 | 45.063576 | 1986.44 | 1587.30 |
| 7 | GUIDE | 472655152 | 9.43 | 725 | 0.030 | -0.035 | 0.093 | 0.153 | 332.504239 | 45.862991 | -689.52 | 283.17 |

2.4 Star Slots

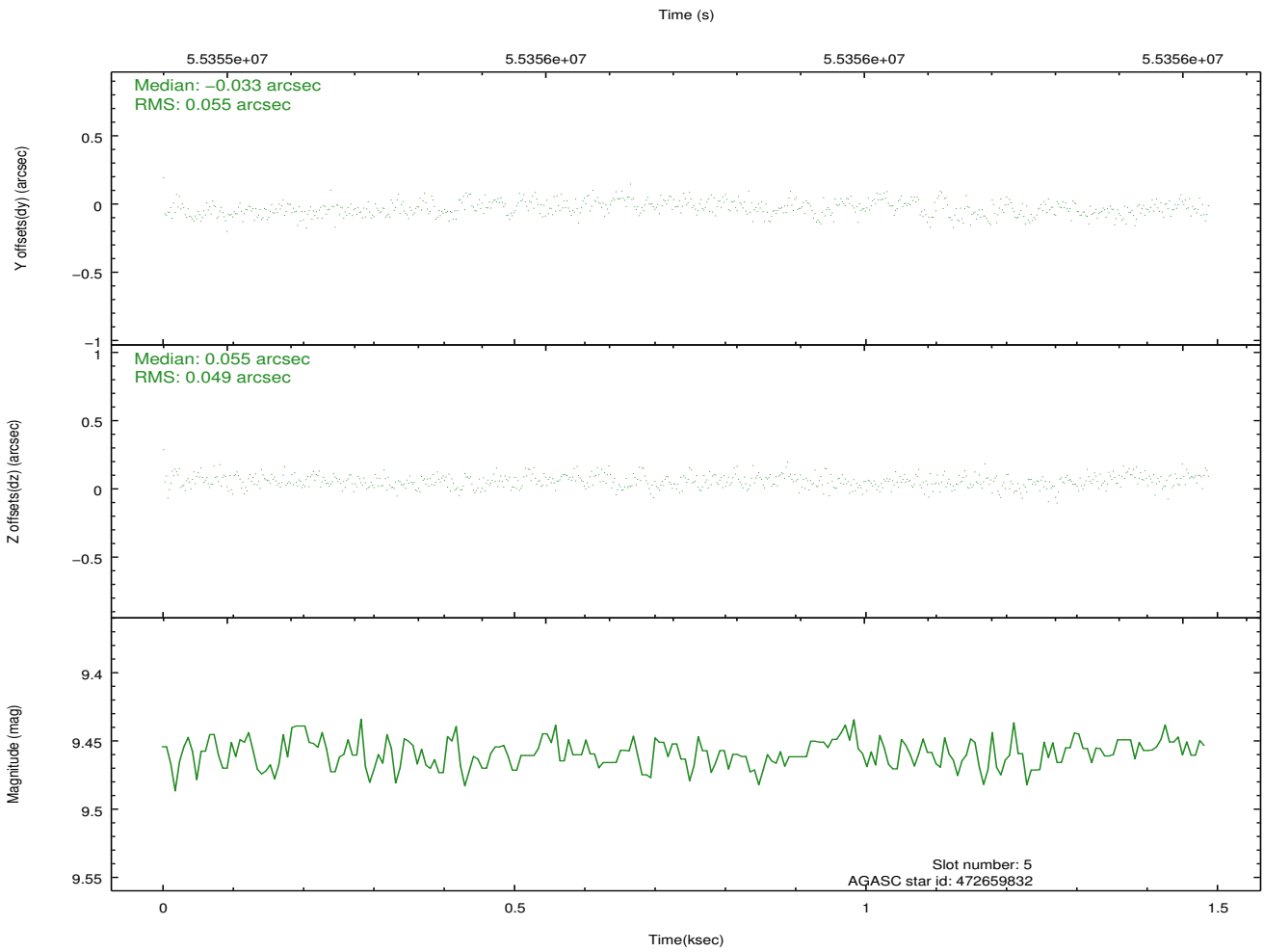
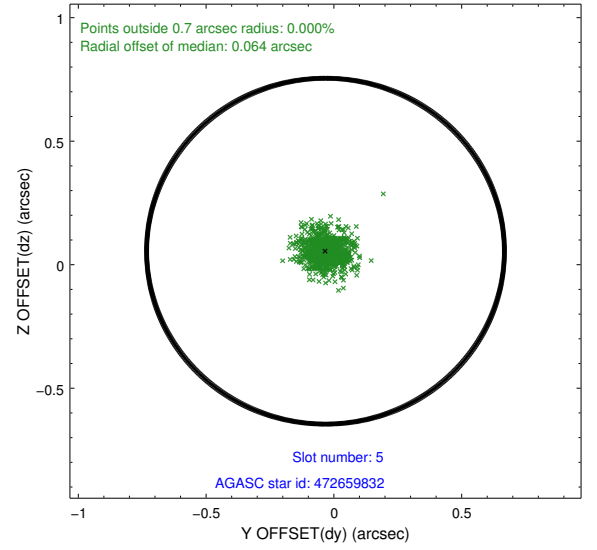
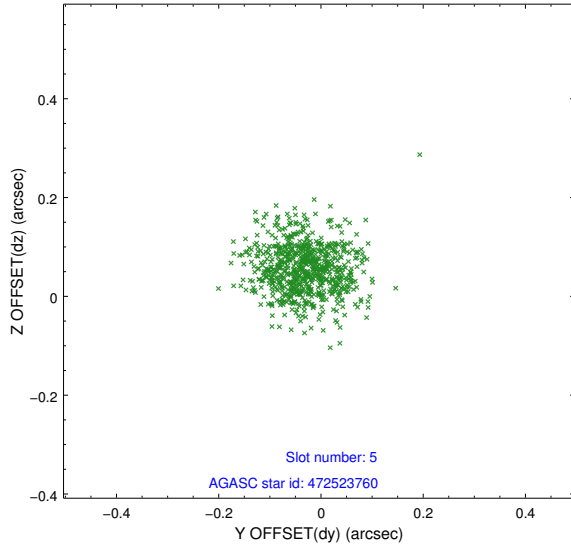
2.4.1 Slot 3



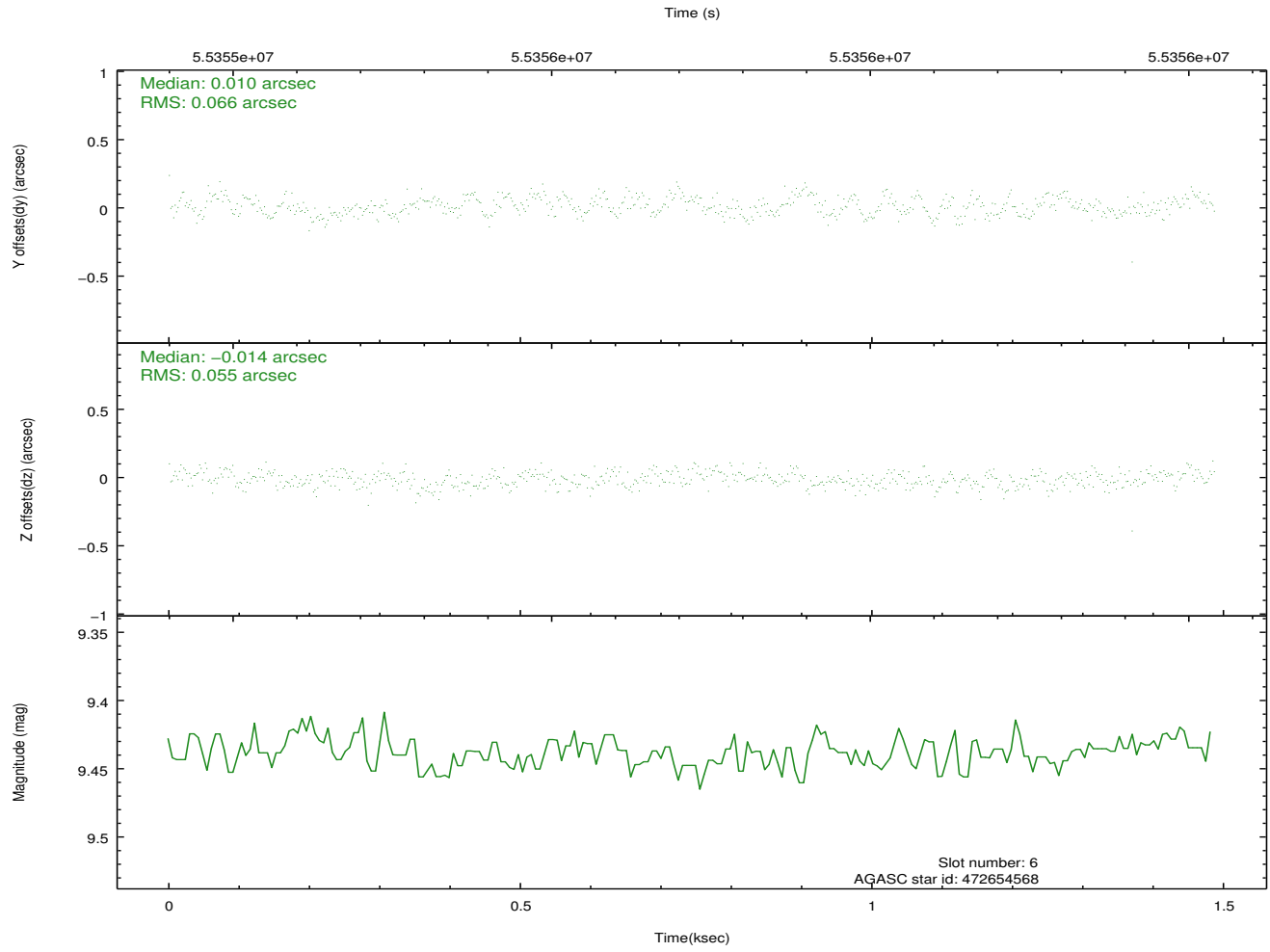
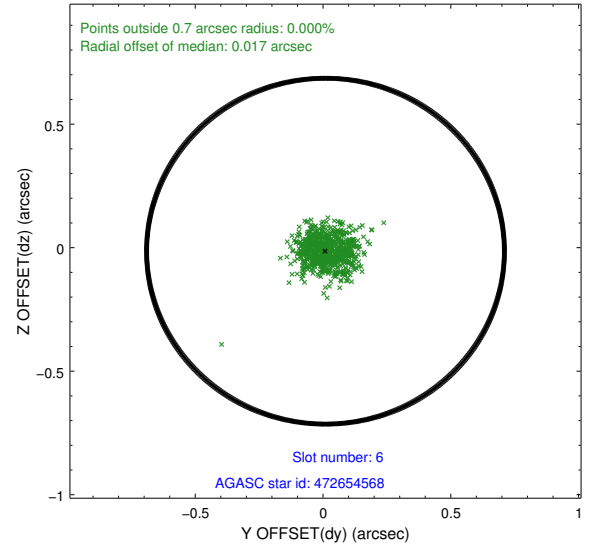
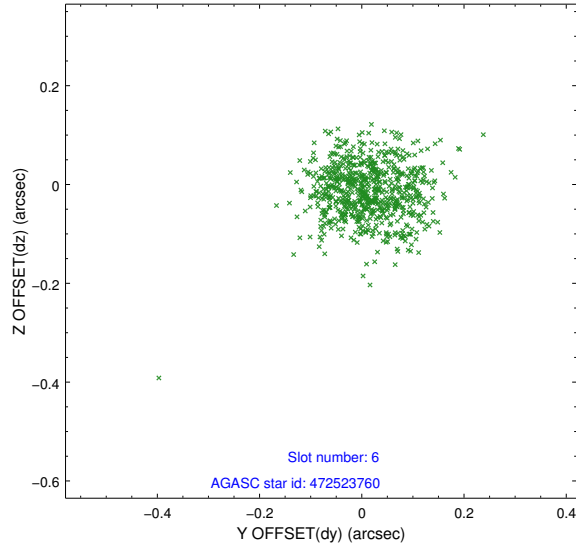
2.4.2 Slot 4



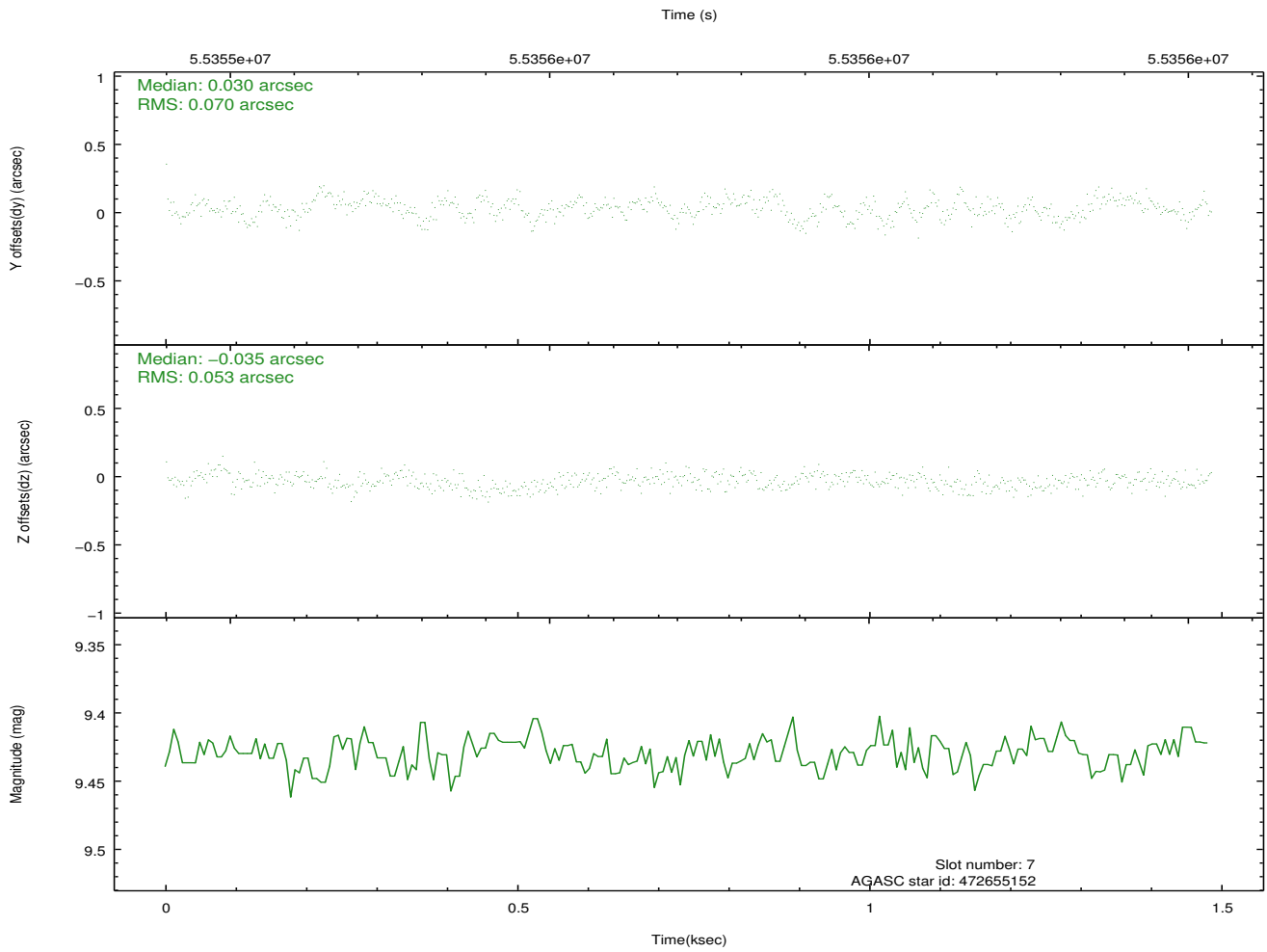
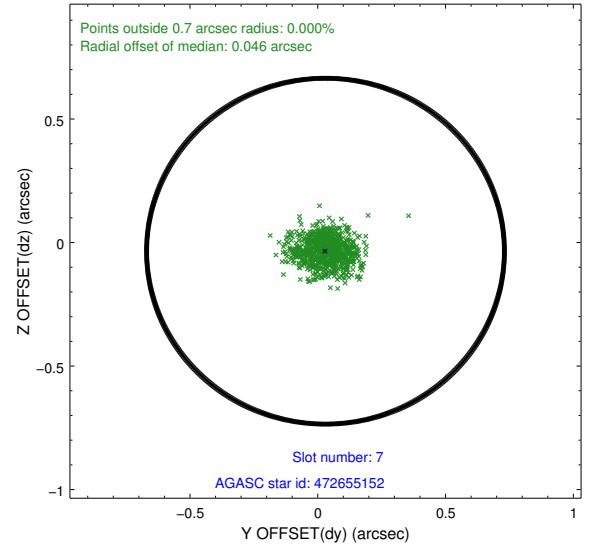
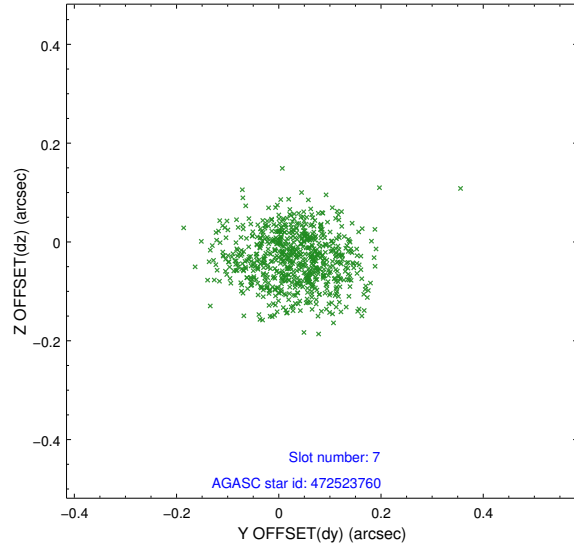
2.4.3 Slot 5



2.4.4 Slot 6

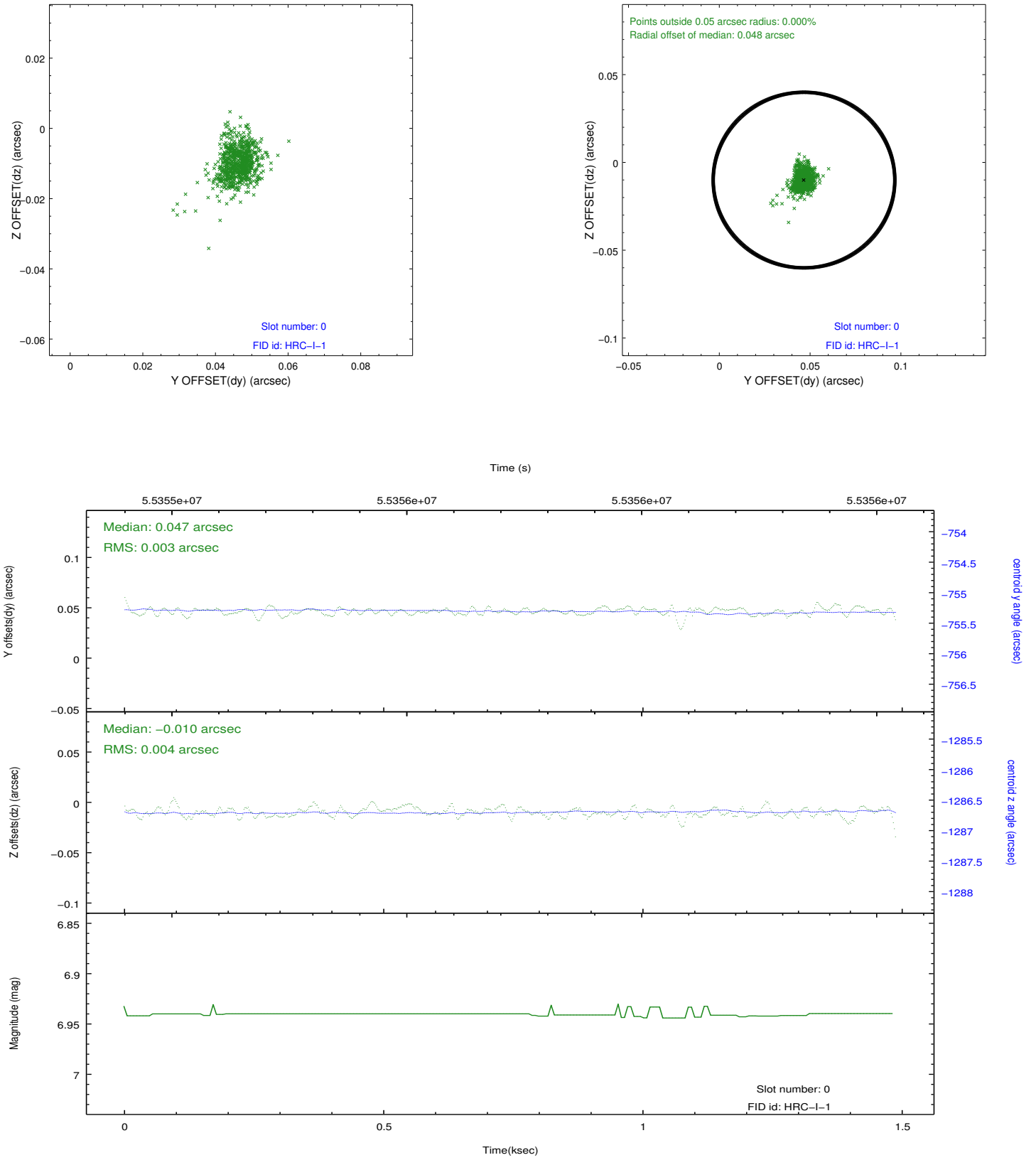


2.4.5 Slot 7

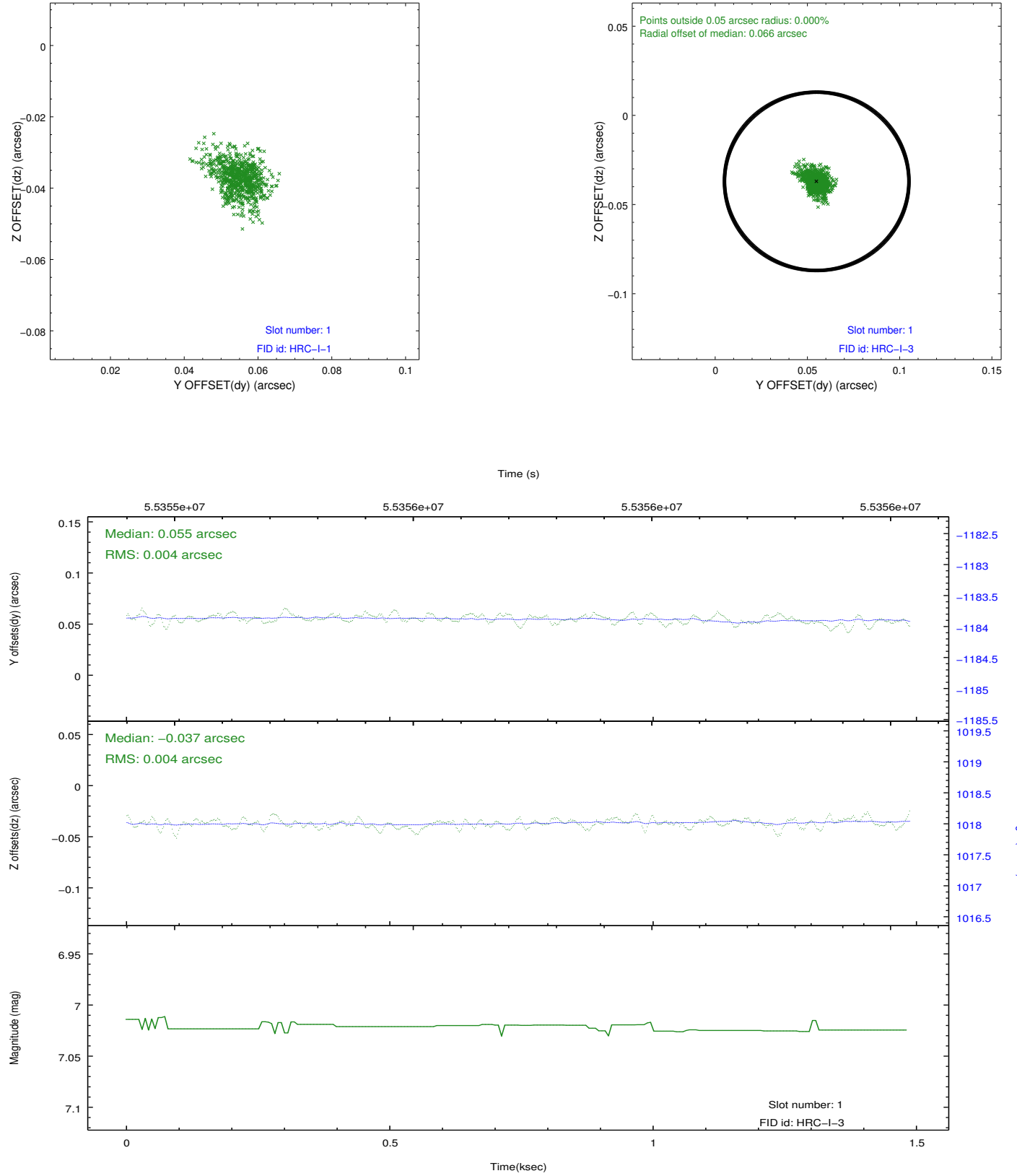


2.5 FID Slots

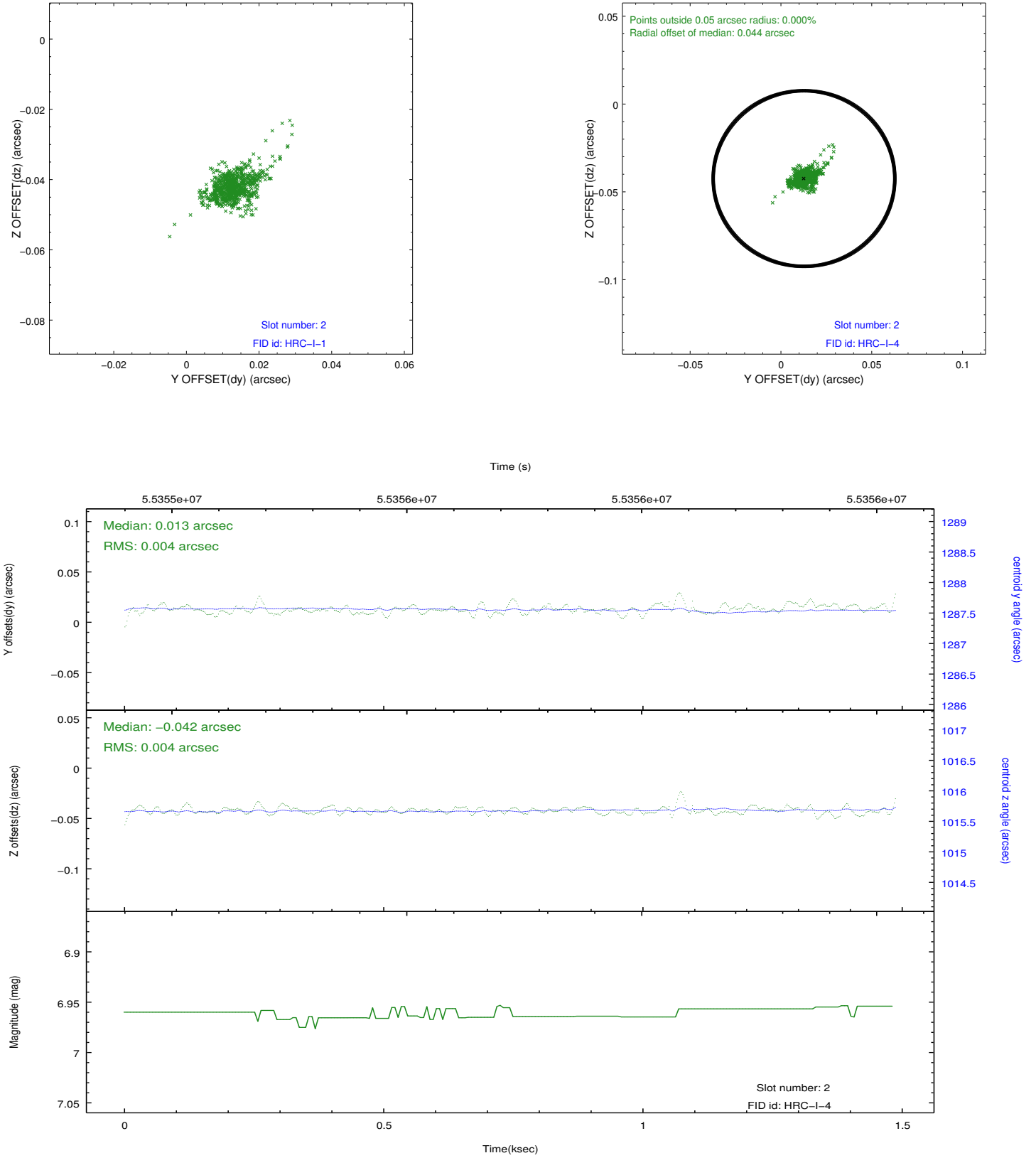
2.5.1 Slot 0



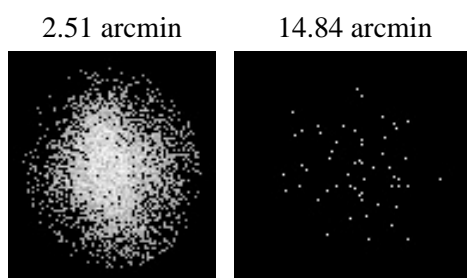
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|-------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2010.10.22 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.272 |

A.2 Comments

Source is off-axis.

===

Charge time for this ObsId remains at original value of 1.272 ks,
although
with the current processing the charge time would have been 1.274 ksec.