

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1476 - L2 Version 5

Chandra X-Ray Center

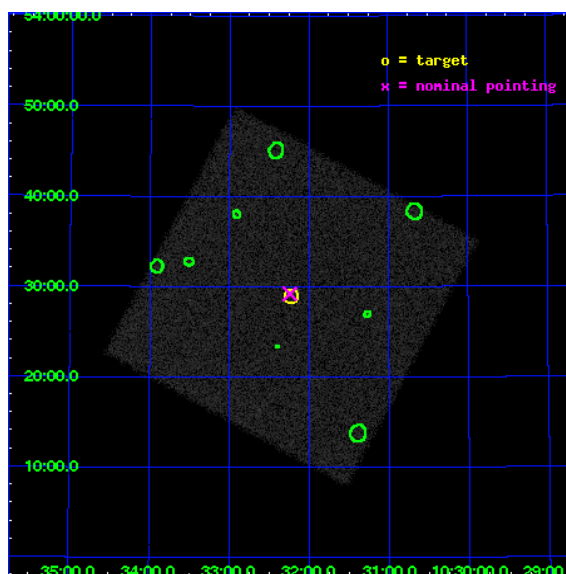
L2 Processing Date : Nov 24 2009

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1 Front

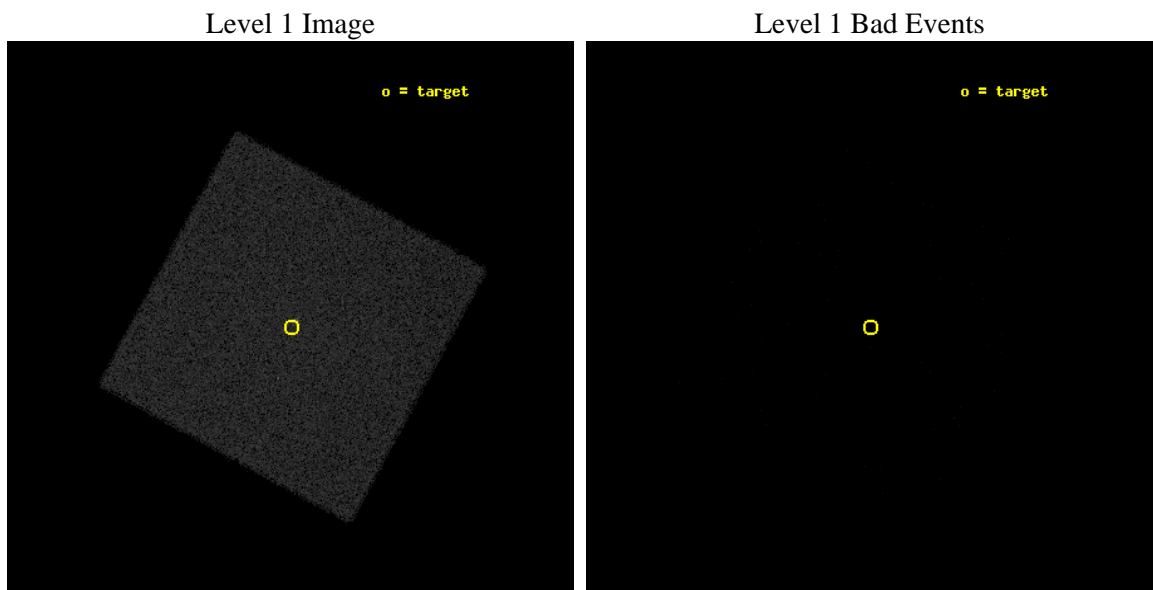
| | | |
|----------|---------------------|---------------------------------|
| seq_num | 290052 | Sequence number |
| obs_id | 1476 | Observation id |
| title | | Proposal title |
| observer | Dr. CXC Calibration | Principal investigator |
| object | 2REJ1032+532 | Source name |
| ra_targ | 158.054167 | Observer's specified target RA |
| dec_targ | 53.483333 | Observer's specified target Dec |
| ra_nom | 158.05989026003 | Nominal RA |
| dec_nom | 53.487147162815 | Nominal Dec |
| roll_nom | 73.561301192762 | Nominal Roll |
| revision | 5 | Processing version of data |
| ontime | 3164.4313643575 | [s] |
| livetime | 3144.6647290147 | Ontime multiplied by DTCOR |
| l2events | 98539 | 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 | 3000.000000 | Scheduled observation exposure time |
| ascdsver | 8.1.1 | Processing system revision | ontime | 3164.4313643575 | [s] |
| caldbver | 4.1.4 | | l1events | 149932 | Number of level 1 events |
| date | 2009-11-24T15:39:25 | Date and time of file creation | | | |
| revision | 4 | Processing version of data | | | |

2.1.3 Events

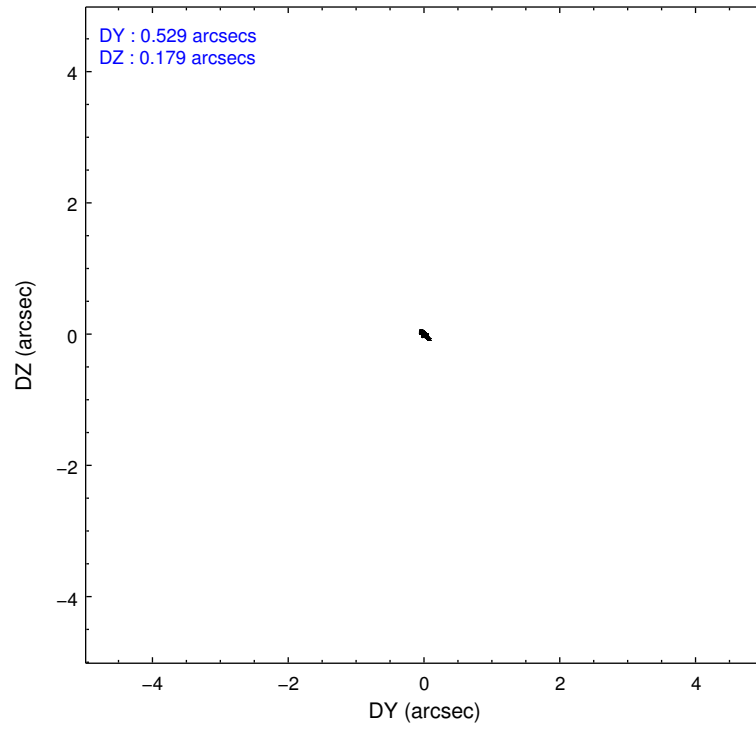
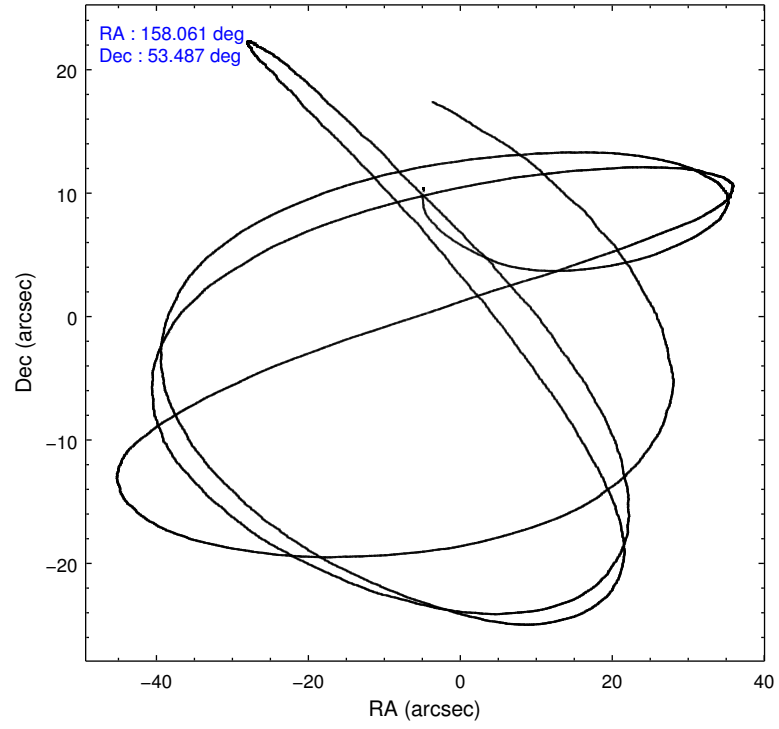
Level 1 Events

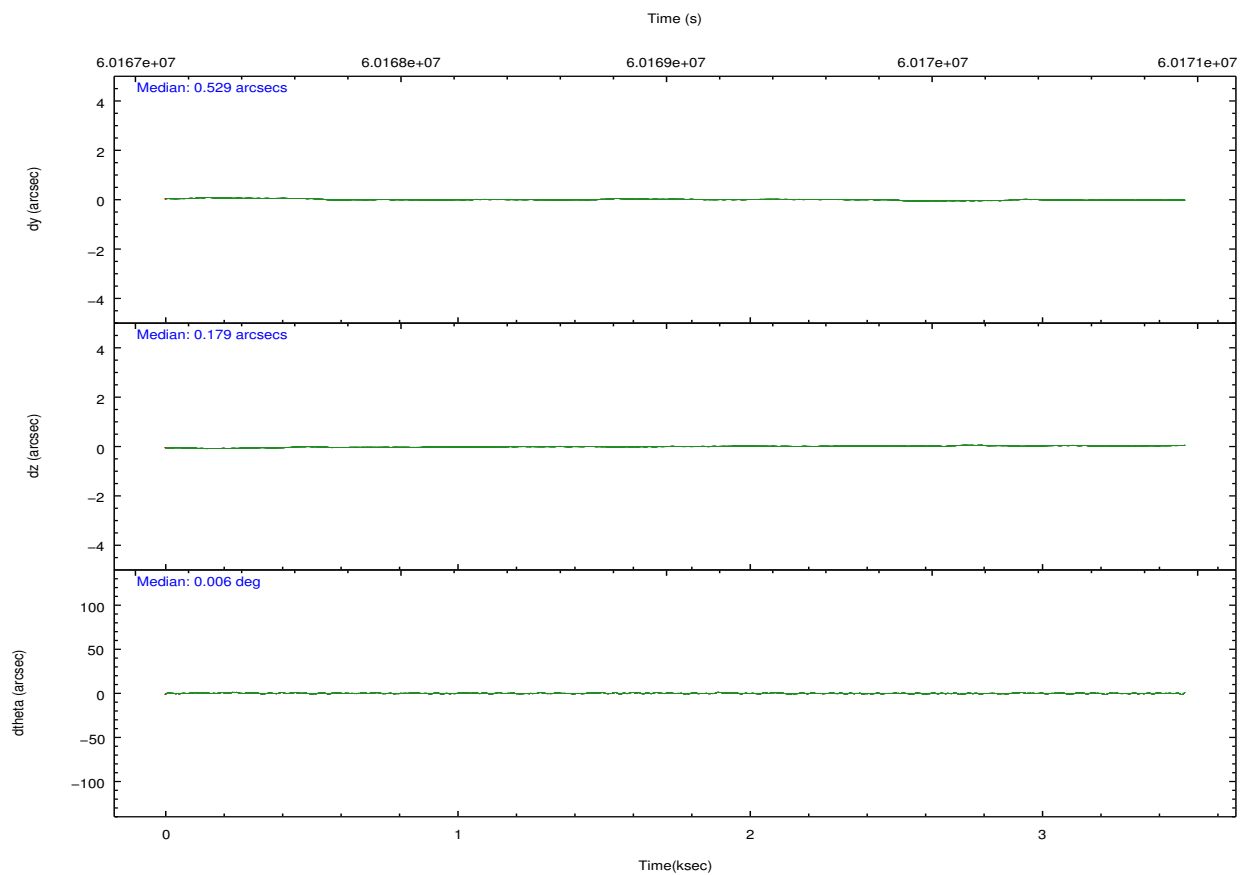
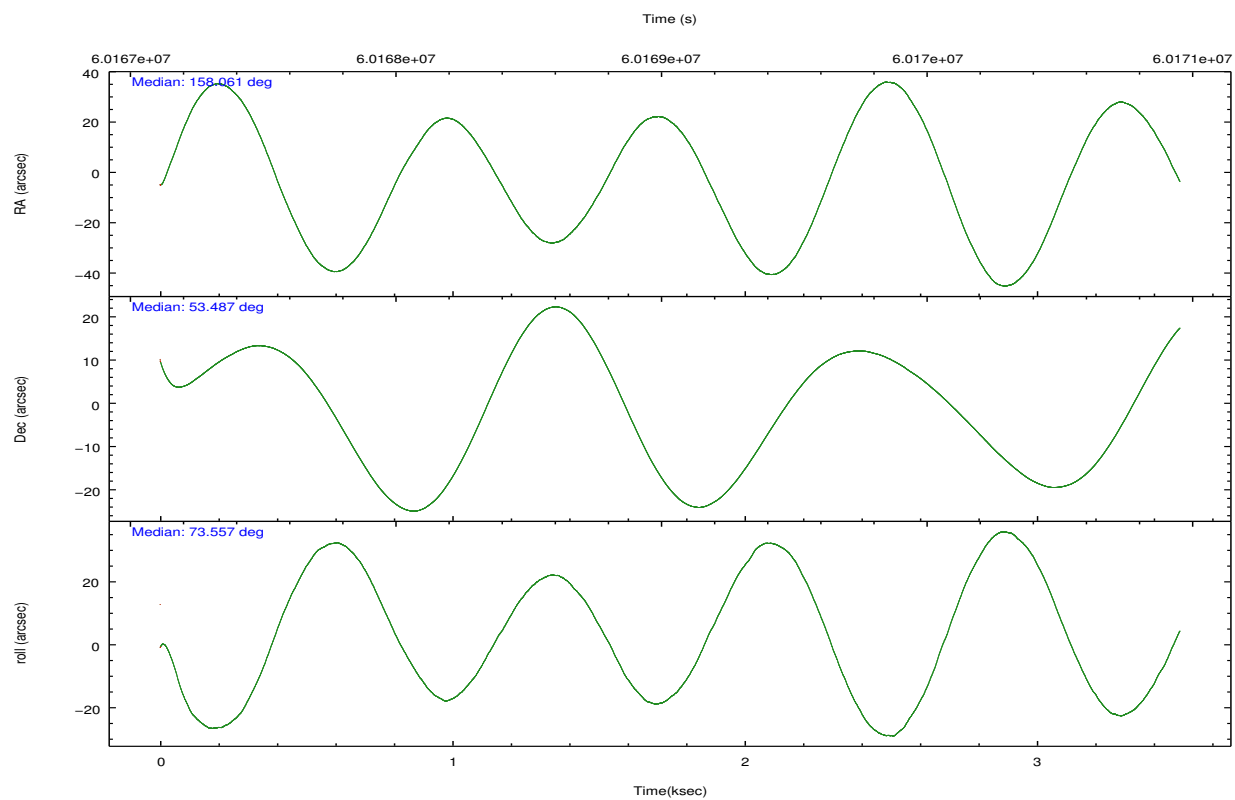
| | |
|-----------------|----------------------|
| | segment 0 |
| level 1 events | 149932 |
| rejected events | 2353 |
| rejected % | 1% |

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 | 158.070275 | 158.059890260025 | | | |
| Pointing Dec | 53.460377 | 53.48714716281503 | | | |
| Pointing Roll | 73.648437 | 73.5613011927615 | | | |
| SIM focus pos (mm) | -1.040293 | -1.038866356238299 | | | |
| SIM defocus (mm) | 0 | 0.001426264420575141 | | | |
| SIM translation stage pos (mm) | 126.985494 | 126.9854943052878 | | | |
| SIM translation stage offset (mm) | 0 | -5.413686238853188e-06 | | | |
| Observation start time | 60167775.184000 | 60166413.392695 | | | |
| Observation start date | 1999-11-28T09:15:11 | 1999-11-28T08:53:33 | | | |
| Observation end time | 60170775.184000 | 60170909.042857 | | | |
| Observation end date | 1999-11-28T10:05:11 | 1999-11-28T10:08:29 | | | |

2.3 Aspect



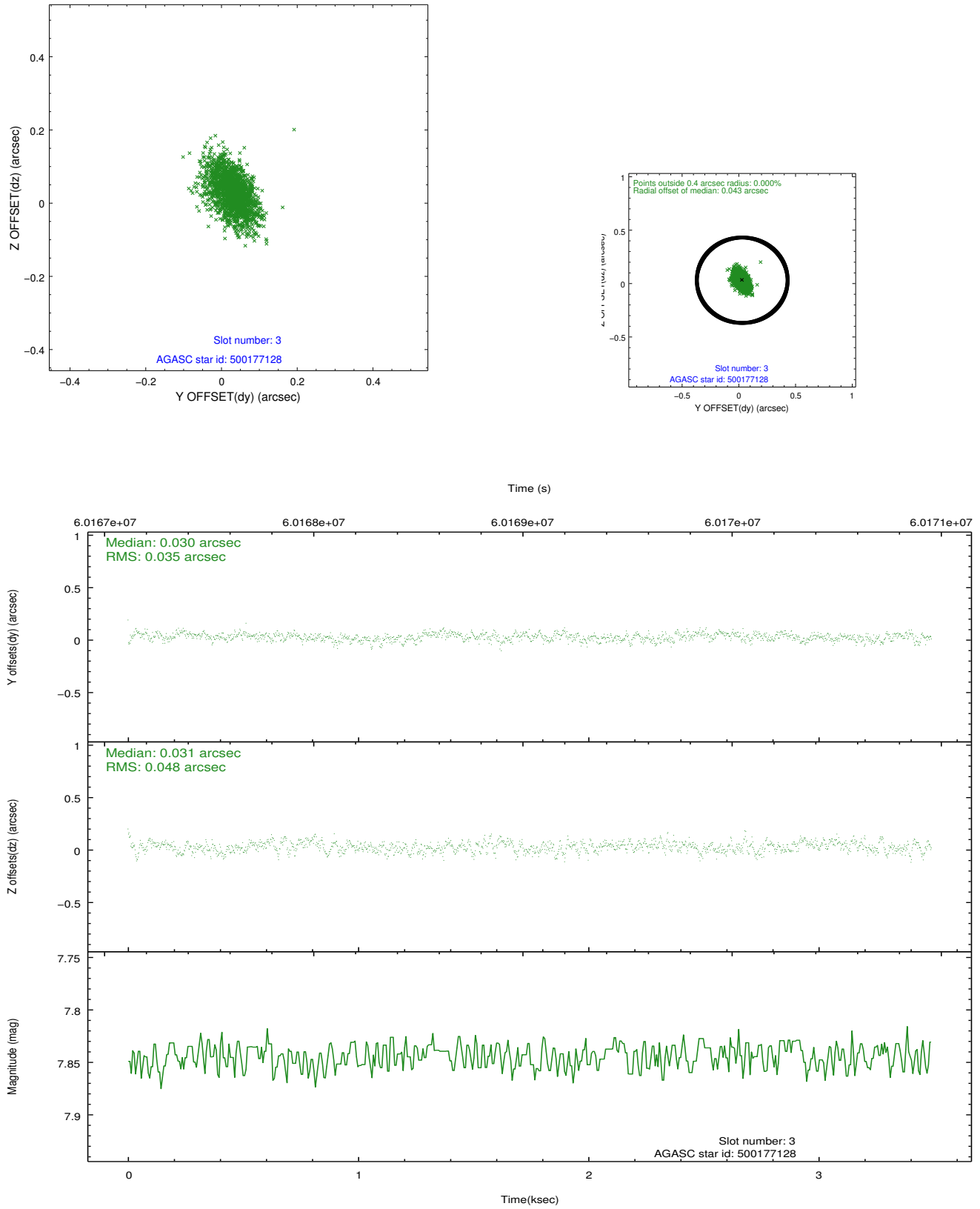


Slot Statistics

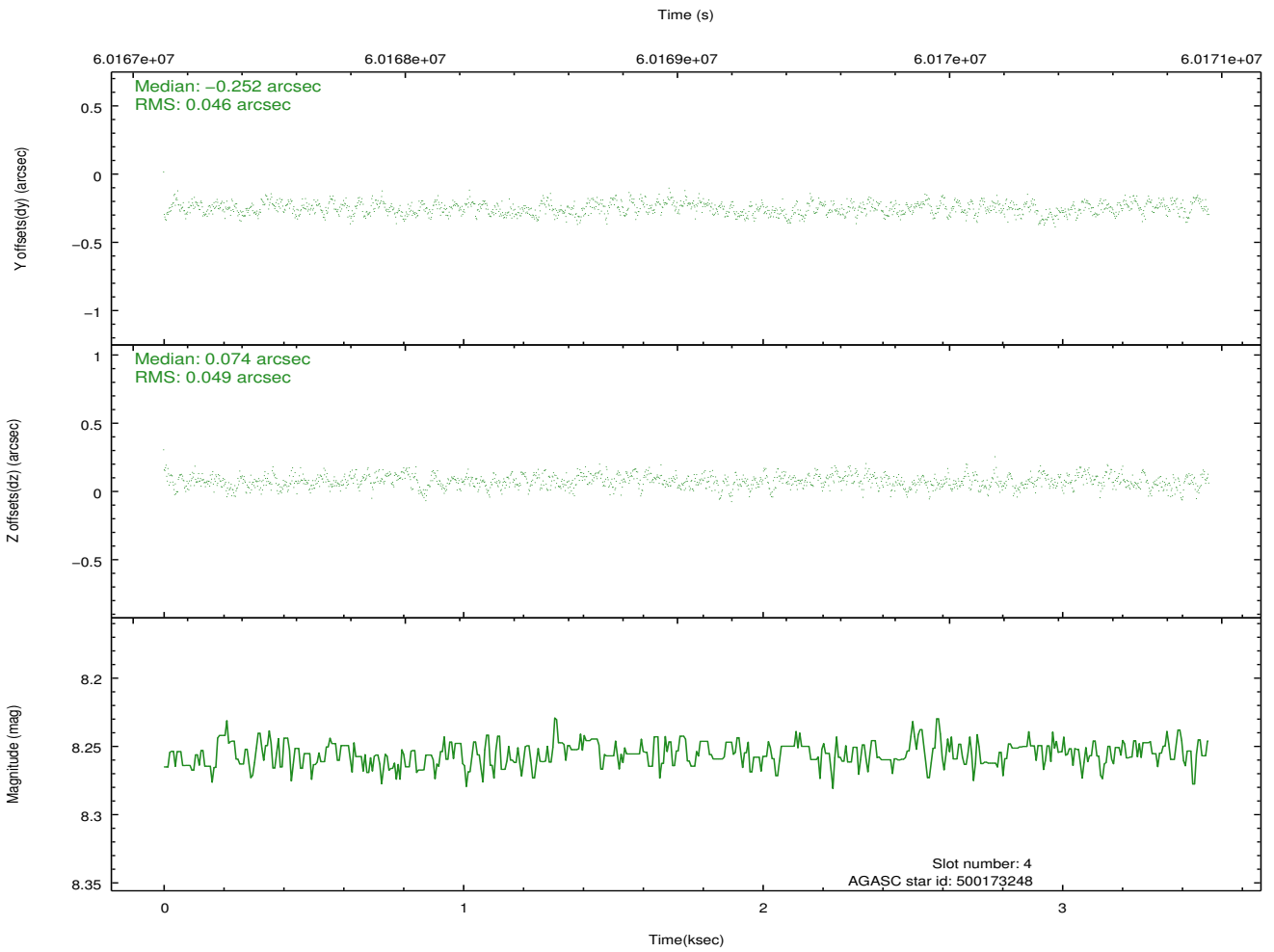
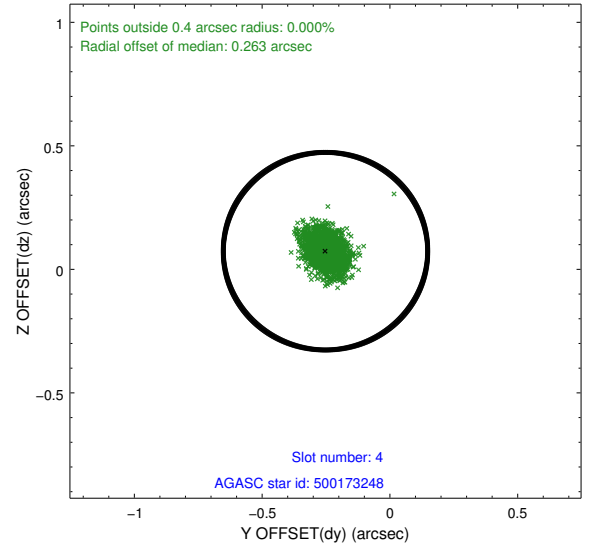
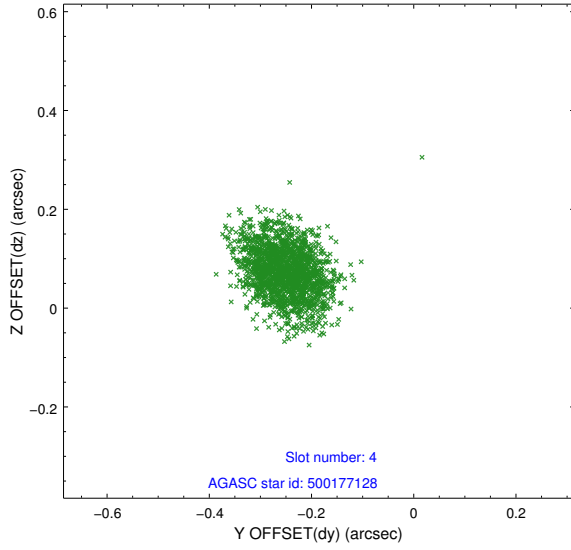
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-I-2 | 7.00 | 1703 | 0.019 | -0.040 | 0.006 | 0.009 | 0.000000 | 0.000000 | 856.76 | -1289.46 |
| 1 | FID | HRC-I-3 | 7.05 | 1703 | 0.045 | -0.046 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1183.92 | 1015.84 |
| 2 | FID | HRC-I-4 | 6.99 | 1703 | 0.054 | -0.000 | 0.006 | 0.009 | 0.000000 | 0.000000 | 1286.17 | 1014.93 |
| 3 | GUIDE | 500177128 | 7.84 | 1703 | 0.030 | 0.031 | 0.062 | 0.105 | 158.210933 | 53.586826 | 522.00 | -158.71 |
| 4 | GUIDE | 500173248 | 8.26 | 1702 | -0.252 | 0.074 | 0.071 | 0.114 | 158.840876 | 53.953250 | 2171.04 | -1062.89 |
| 5 | GUIDE | 500171344 | 8.43 | 1703 | 0.108 | -0.030 | 0.070 | 0.117 | 158.404020 | 53.216809 | -635.53 | -936.01 |
| 6 | GUIDE | 500171736 | 8.78 | 1702 | 0.071 | 0.040 | 0.077 | 0.129 | 158.648618 | 53.141434 | -745.26 | -1519.35 |
| 7 | GUIDE | 500180056 | 9.68 | 1701 | 0.042 | -0.109 | 0.099 | 0.164 | 157.587703 | 53.702330 | 549.40 | 1233.47 |

2.4 Star Slots

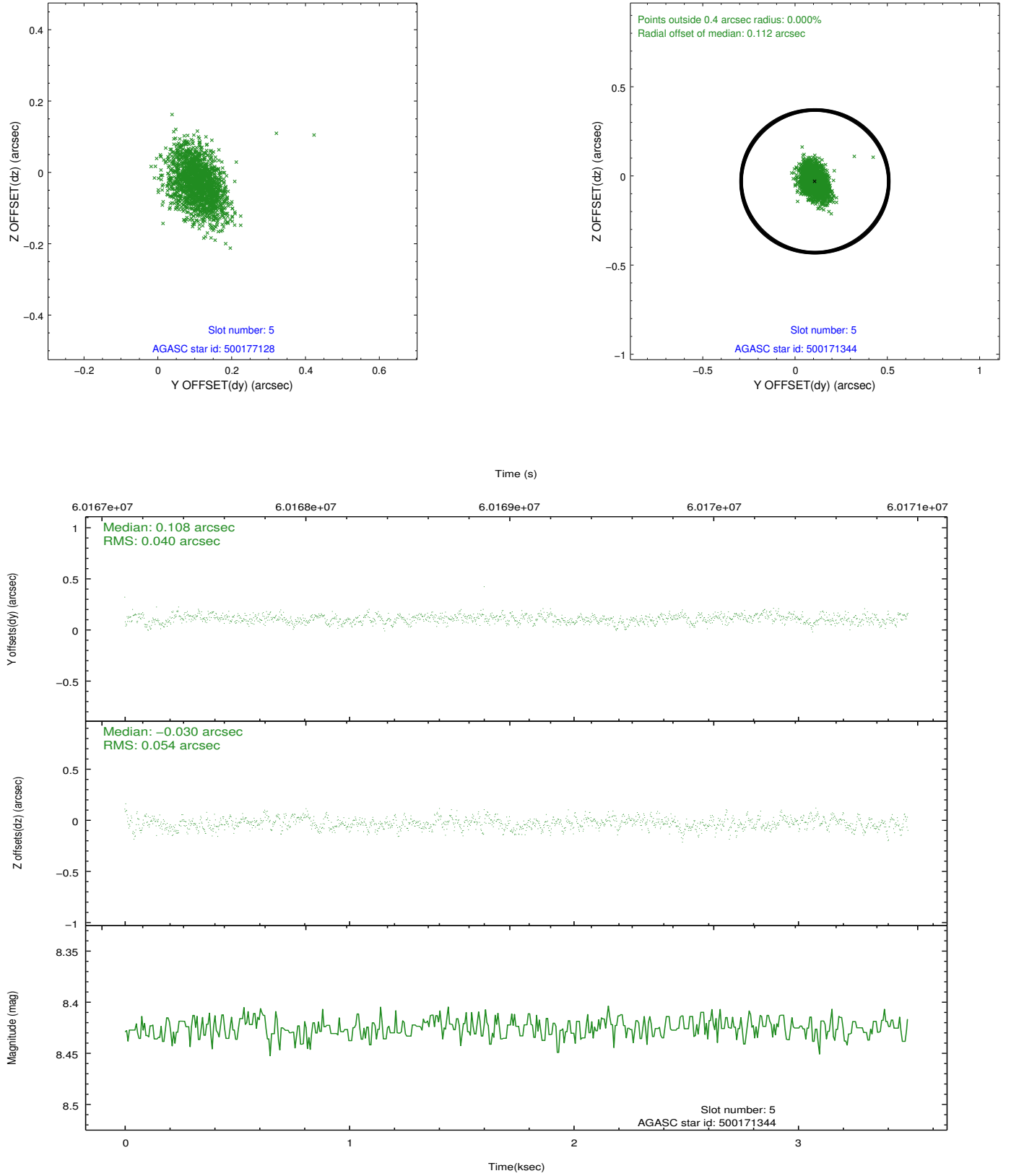
2.4.1 Slot 3



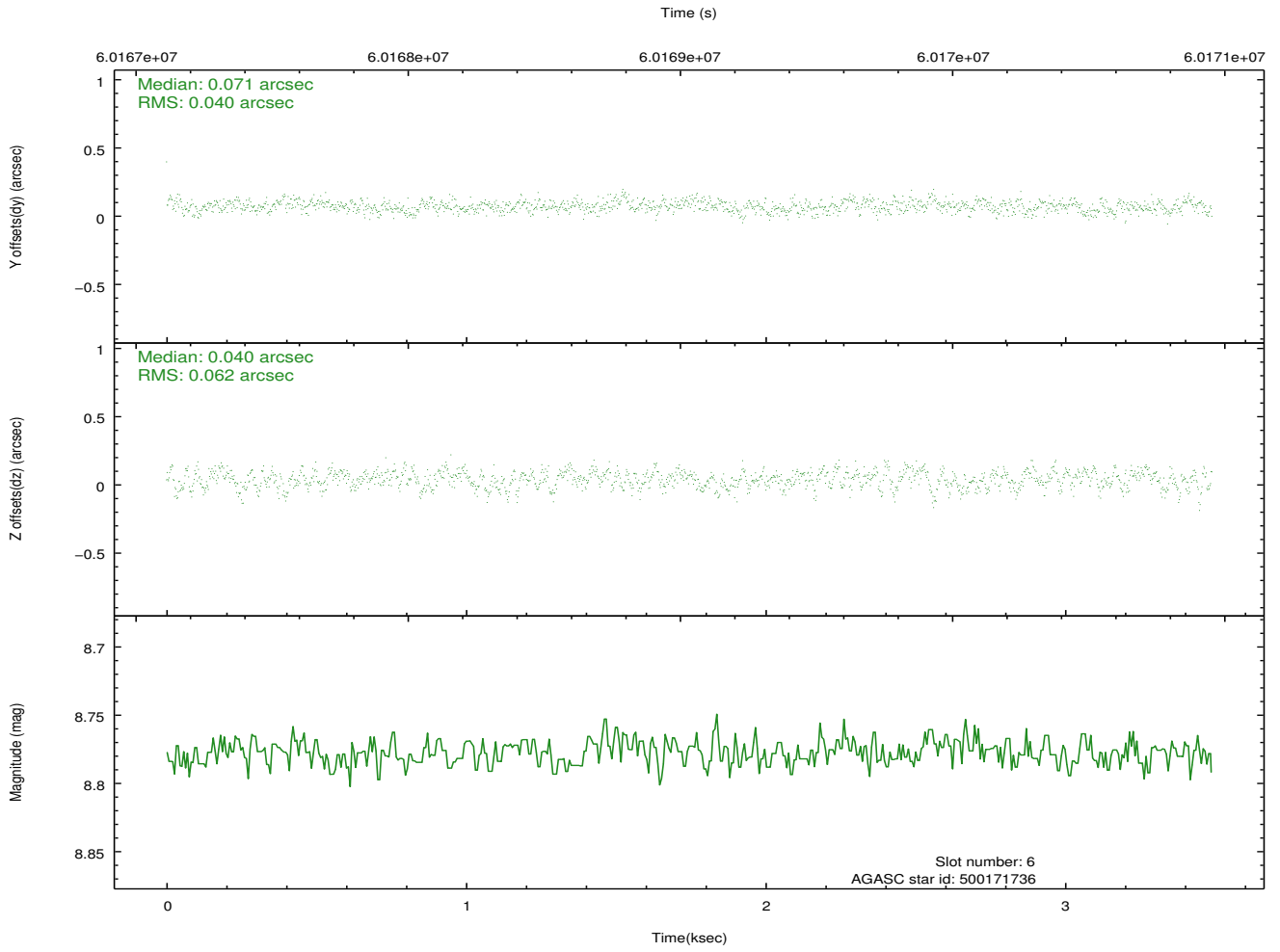
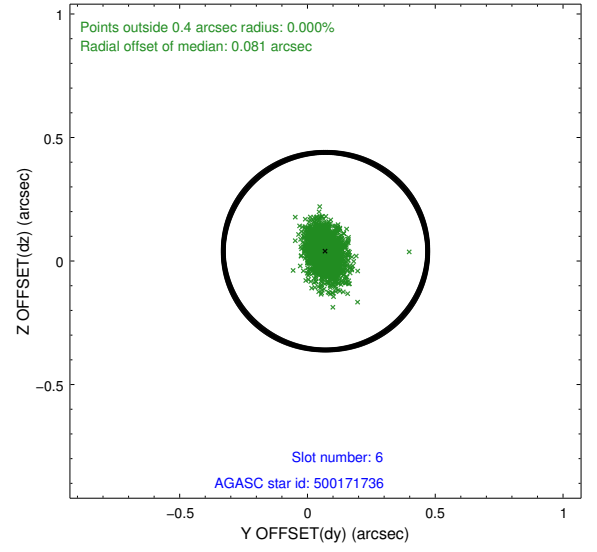
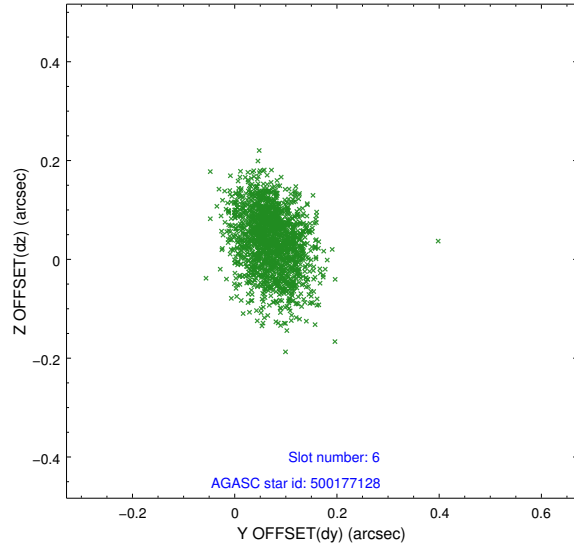
2.4.2 Slot 4



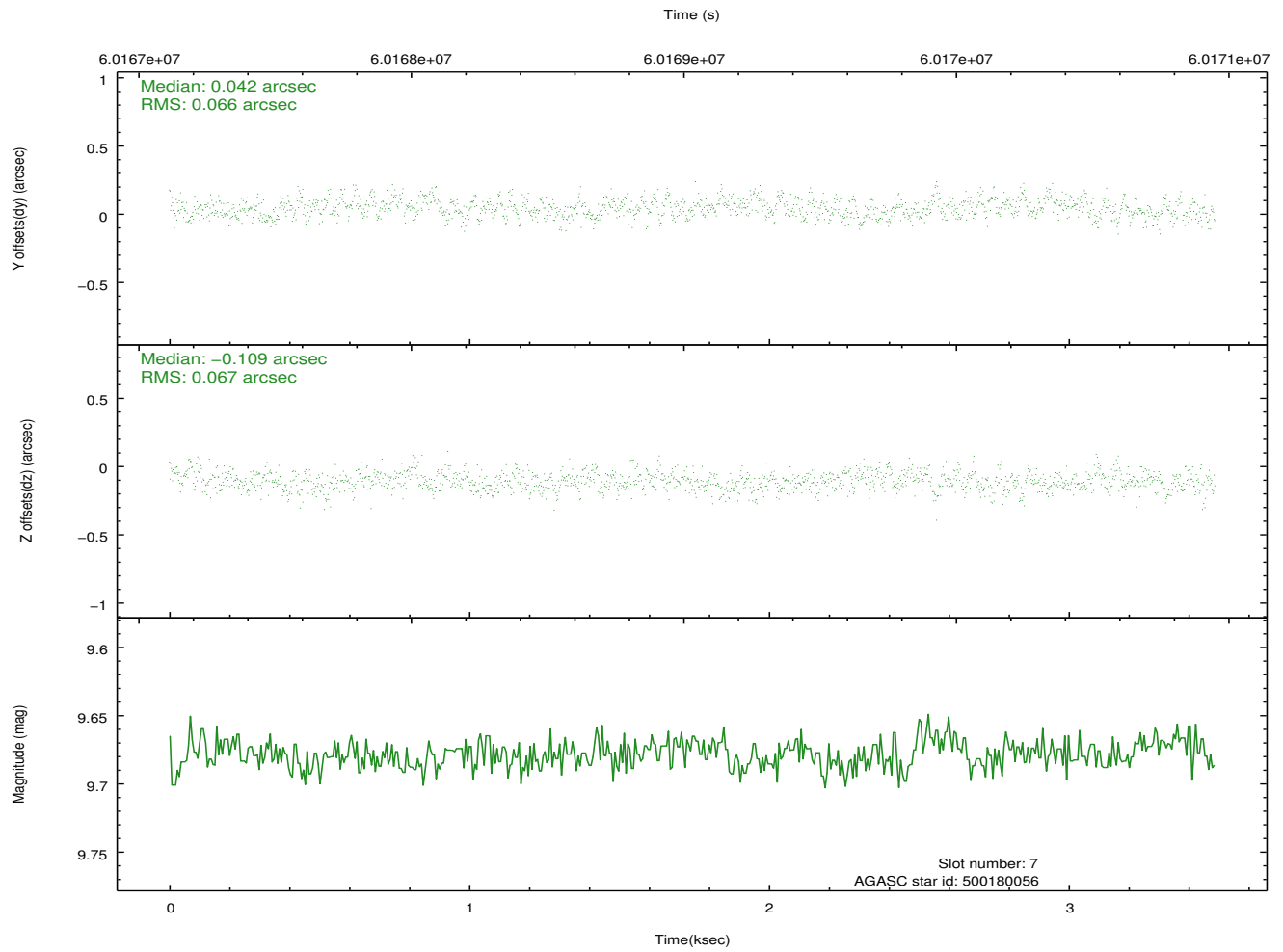
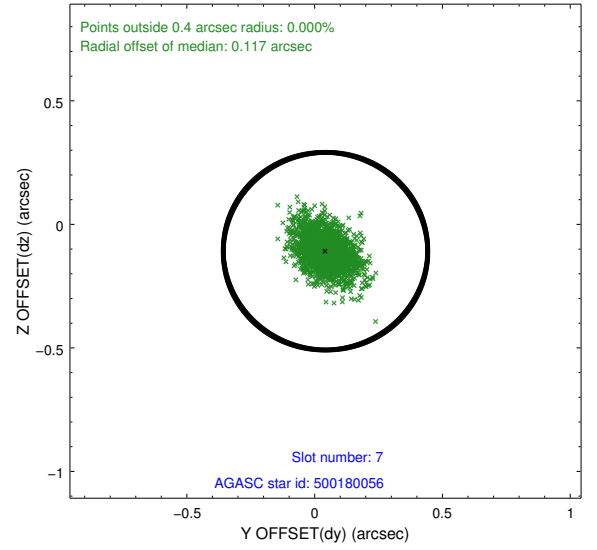
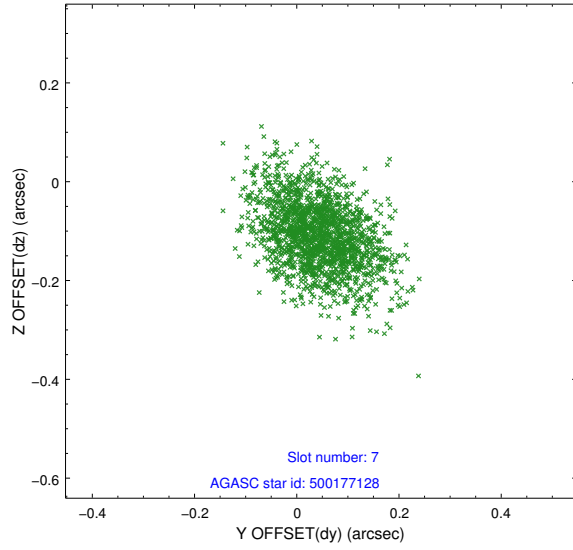
2.4.3 Slot 5



2.4.4 Slot 6

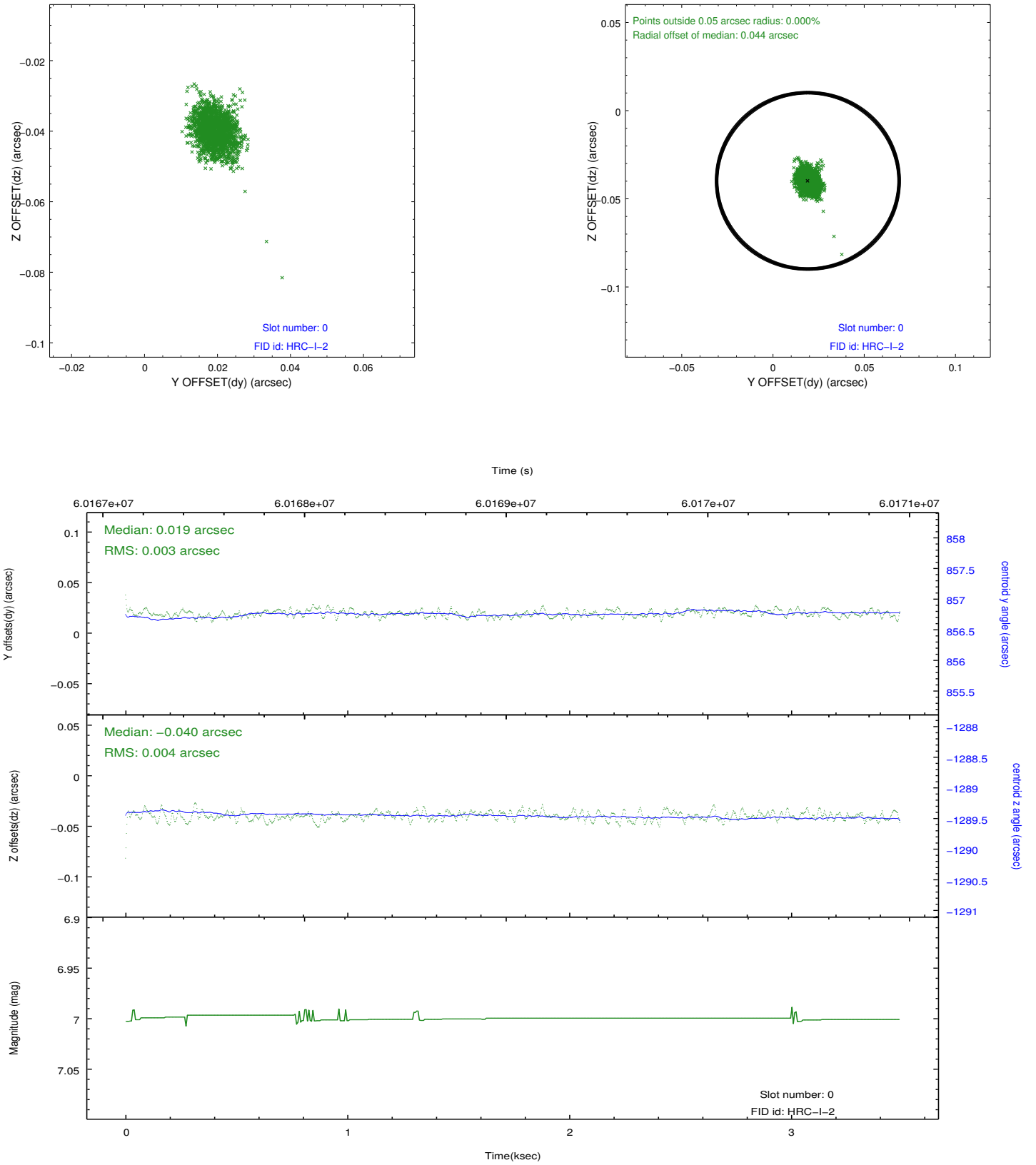


2.4.5 Slot 7

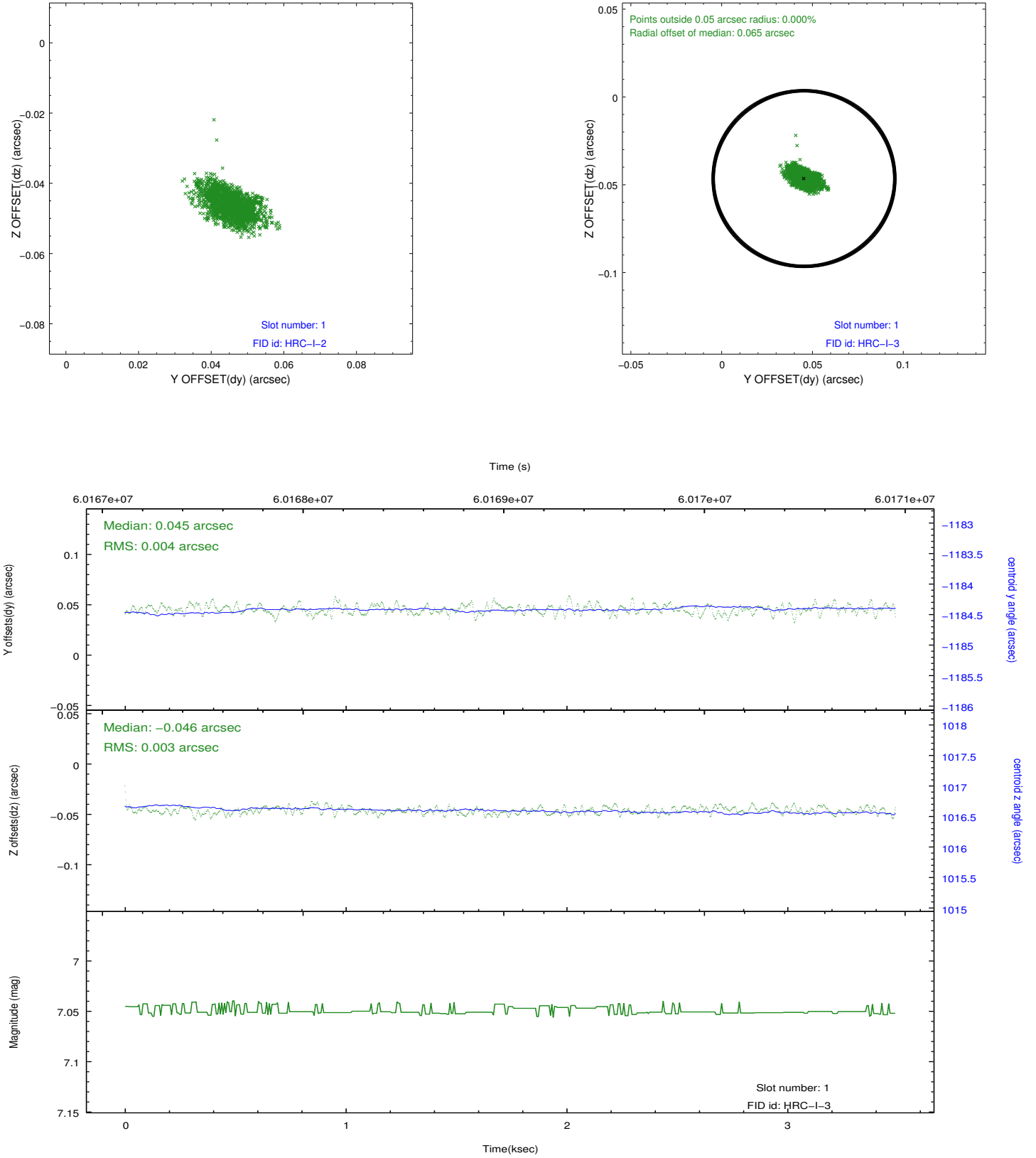


2.5 FID Slots

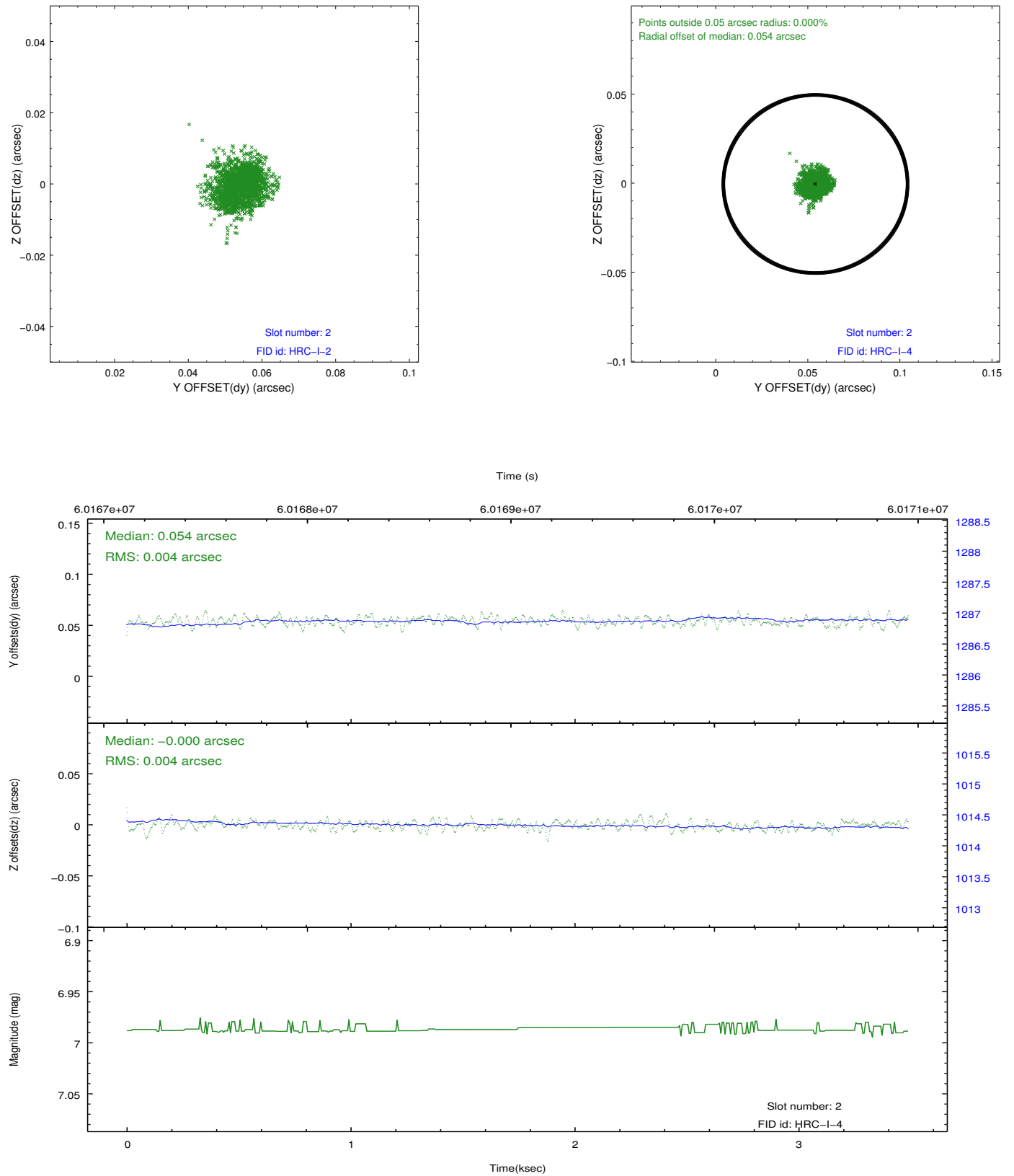
2.5.1 Slot 0



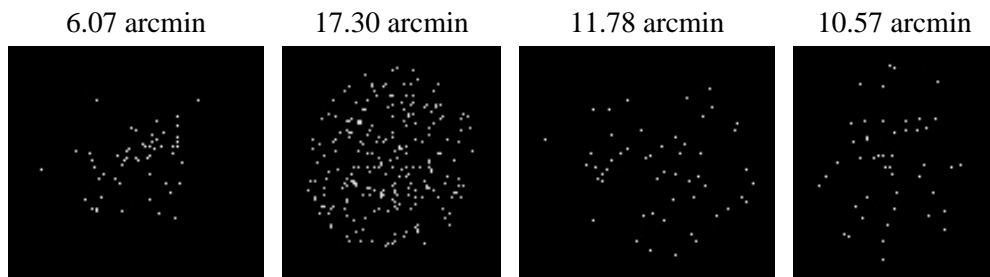
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|-------------|
| V&V Scientist | Joy Nichols |
| V&V Date (YYYY-MM-DD) | 2009.12.02 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 3.162 |

A.2 Comments

HRC-I PSF calibration.