

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2436 - L2 Version 001
Chandra X-Ray Center

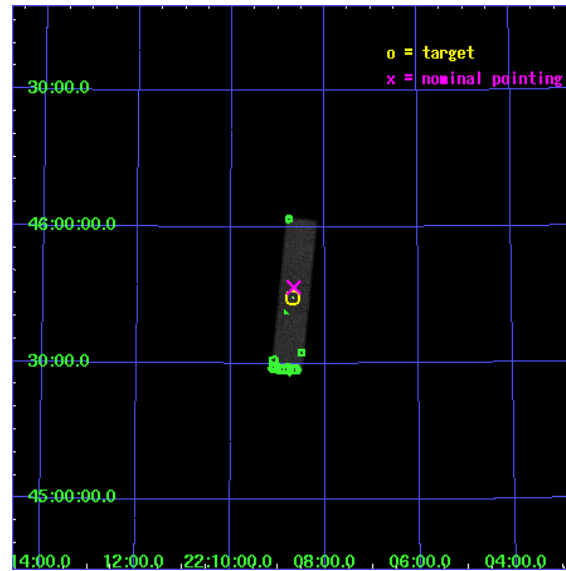
L2 Processing Date : Nov 21 2006

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1 Front

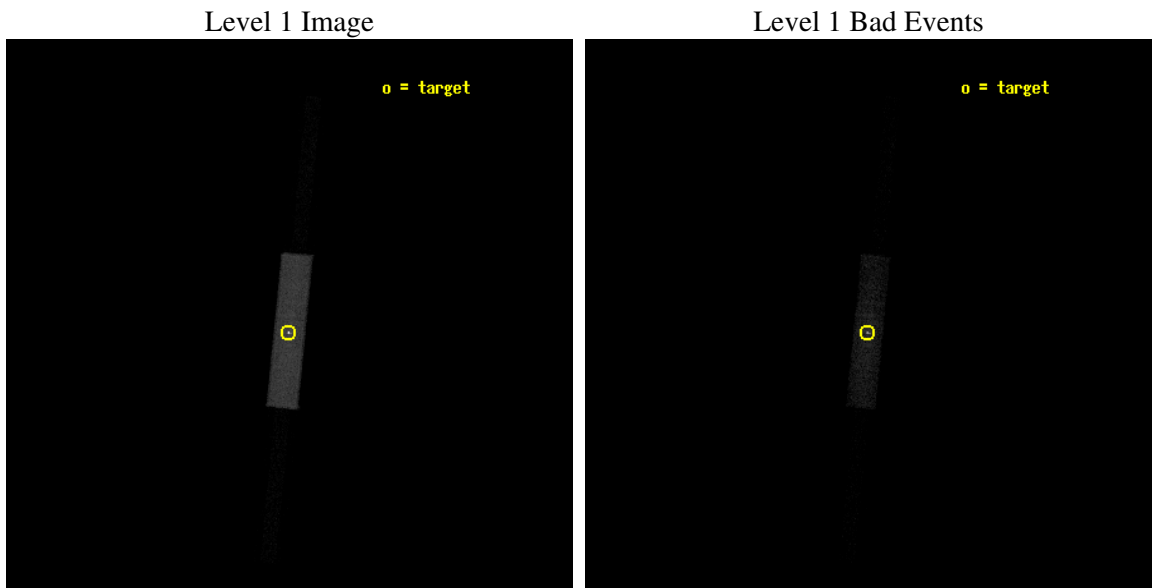
| | |
|----------|---|
| seq_num | 290078 |
| obs_id | 2436 |
| title | HRC-S CALIBRATION OBSERVATIONS OF ARLAC |
| observer | Dr. CXC Calibration |
| object | ARLAC |
| ra_targ | 332.17 |
| dec_targ | 45.742306 |
| ra_nom | 332.16496368396 |
| dec_nom | 45.779682249605 |
| roll_nom | 95.663182757841 |
| revision | 4 |
| ontime | 1376.8313034773 |
| livetime | 1368.9135274082 |
| l2events | 53301 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.9 |
| caldbver | 3.2.4 |
| date | 2006-11-21T15:24:45 |
| revision | 3 |

| | |
|----------------|-----------------|
| sched_exp_time | 1234.000000 |
| ontime | 1429.1063055098 |
| l1events | 86280 |

2.1.3 Events

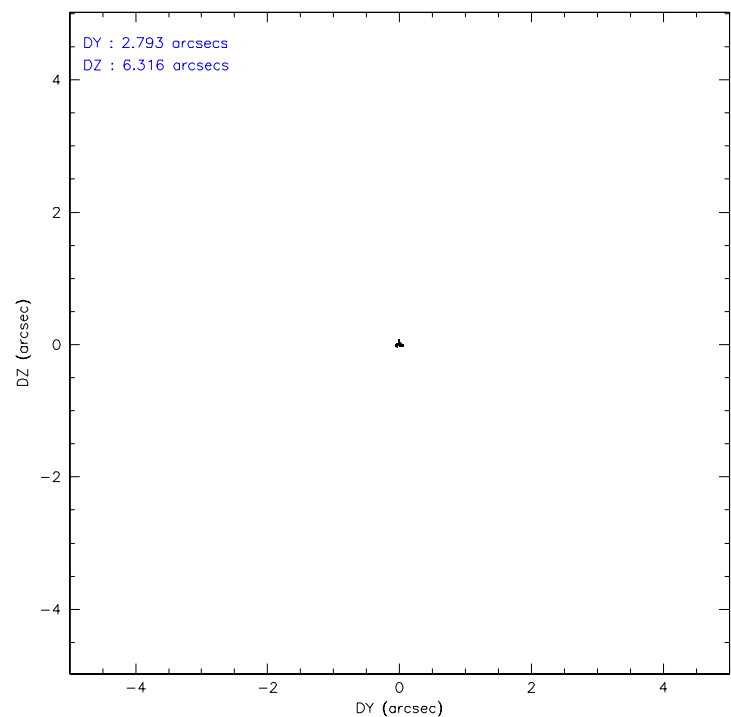
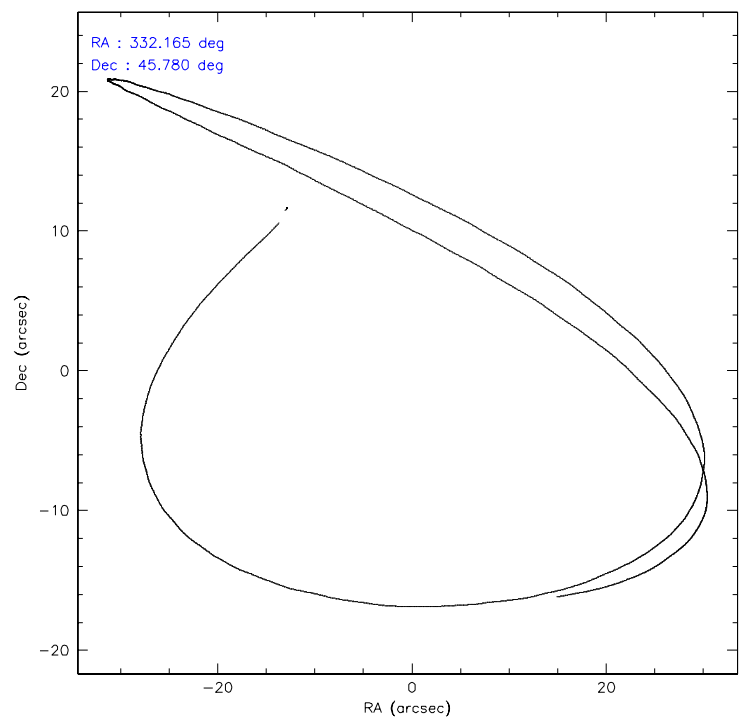
Level 1 Events

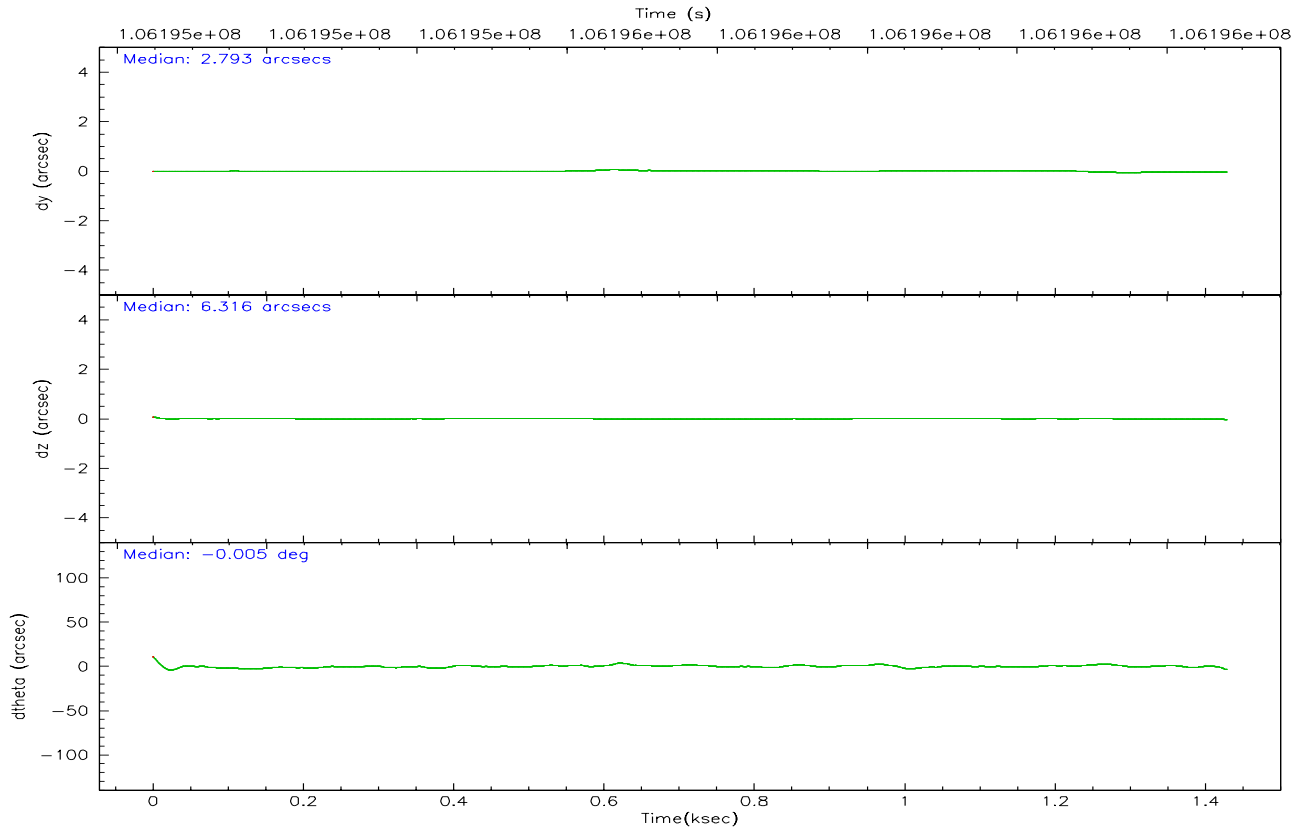
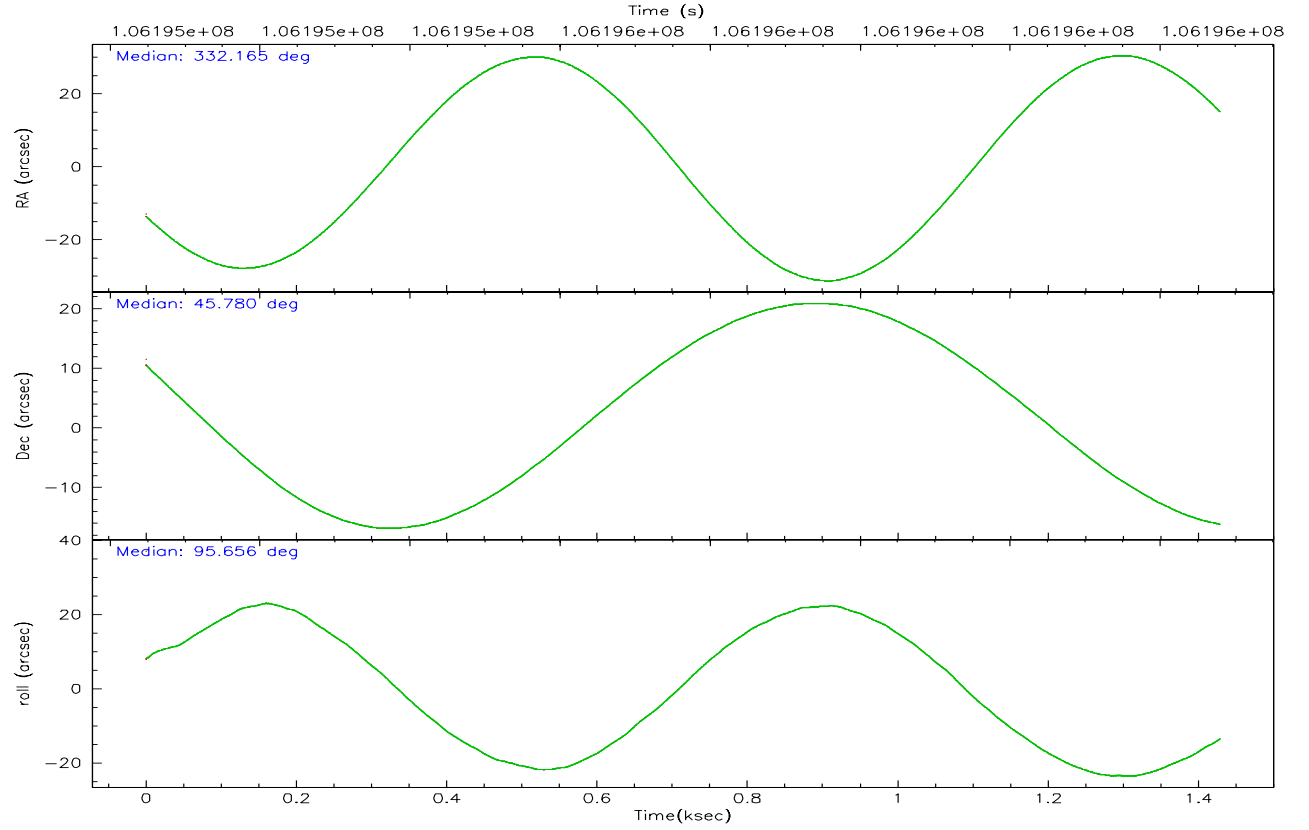
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 1059 | 84103 | 1118 |
| rejected events | 1059 | 27498 | 1118 |
| rejected % | 100% | 32% | 100% |

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 | 332.190400 | 332.1649636839605 | | | |
| Pointing Dec | 45.757763 | 45.77968224960487 | | | |
| Pointing Roll | 95.577620 | 95.66318275784137 | | | |
| 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 | 106195243.184000 | 106194866.83296 | | | |
| Observation start date | 2001-05-14T02:39:39 | 2001-05-14T02:34:26 | | | |
| Observation end time | 106196477.184000 | 106196610.87052 | | | |
| Observation end date | 2001-05-14T03:00:13 | 2001-05-14T03:03:30 | | | |

2.3 Aspect



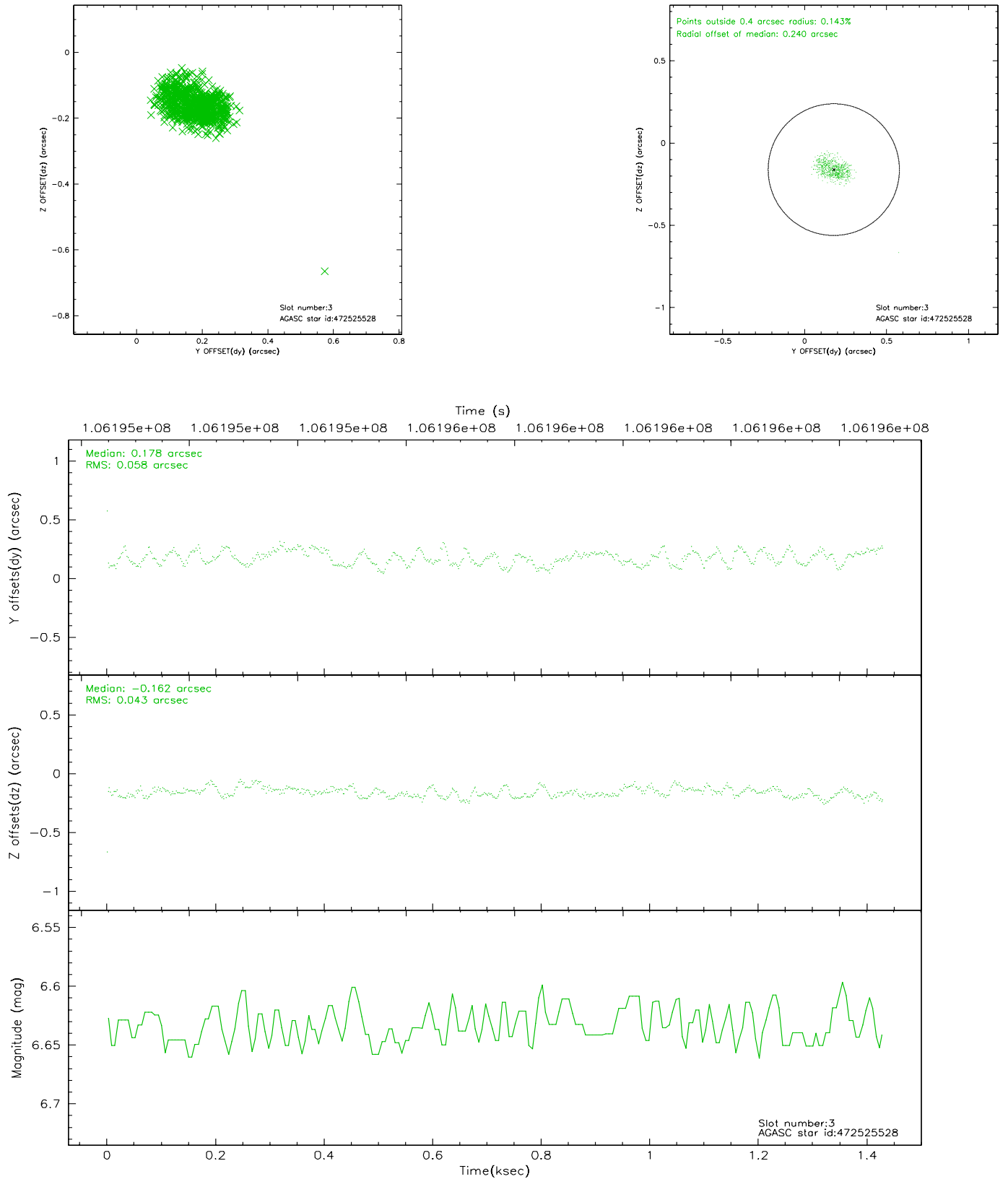


Slot Statistics

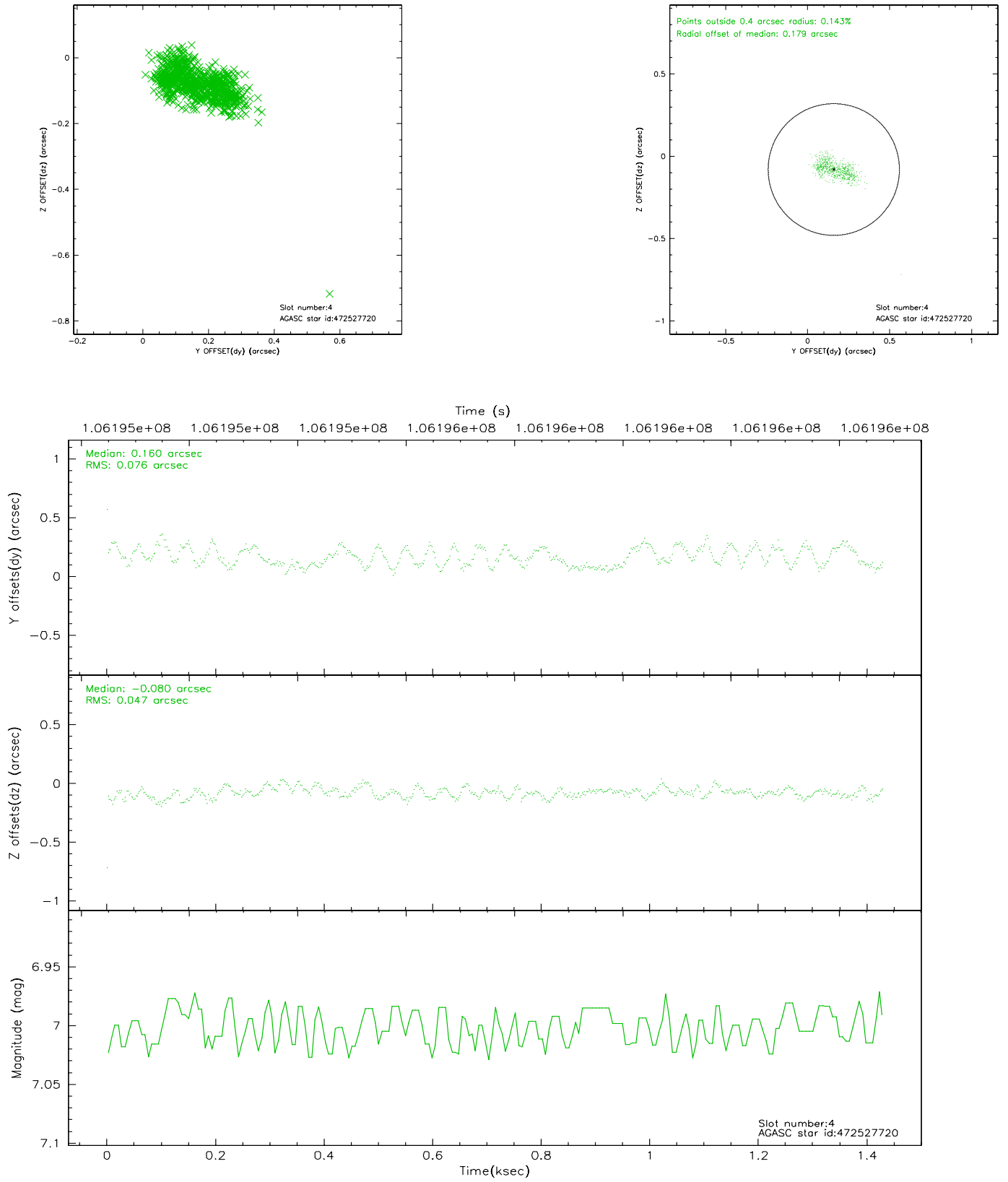
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 6.97 | 349 | 0.109 | -0.115 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1156.83 | -454.88 |
| 1 | FID | HRC-S-3 | 7.00 | 349 | 0.148 | -0.091 | 0.008 | 0.013 | 0.000000 | 0.000000 | -1162.87 | 573.37 |
| 2 | FID | HRC-S-4 | 6.93 | 349 | 0.131 | -0.091 | 0.005 | 0.009 | 0.000000 | 0.000000 | 1238.08 | 578.96 |
| 3 | GUIDE | 472525528 | 6.64 | 698 | 0.178 | -0.162 | 0.075 | 0.112 | 331.551102 | 45.248694 | -1658.51 | 1789.23 |
| 4 | GUIDE | 472527720 | 7.00 | 698 | 0.160 | -0.080 | 0.092 | 0.140 | 331.460205 | 45.112509 | -2124.11 | 2073.01 |
| 5 | GUIDE | 472535576 | 7.85 | 698 | -0.163 | -0.114 | 0.046 | 0.073 | 331.438373 | 46.291802 | 2102.31 | 1676.77 |
| 6 | GUIDE | 472665256 | 9.00 | 698 | -0.103 | 0.240 | 0.071 | 0.116 | 332.808125 | 46.195041 | 1427.90 | -1683.37 |
| 7 | GUIDE | 472659832 | 9.46 | 696 | -0.067 | 0.121 | 0.088 | 0.141 | 332.780399 | 46.098139 | 1085.68 | -1588.19 |

2.4 Star Slots

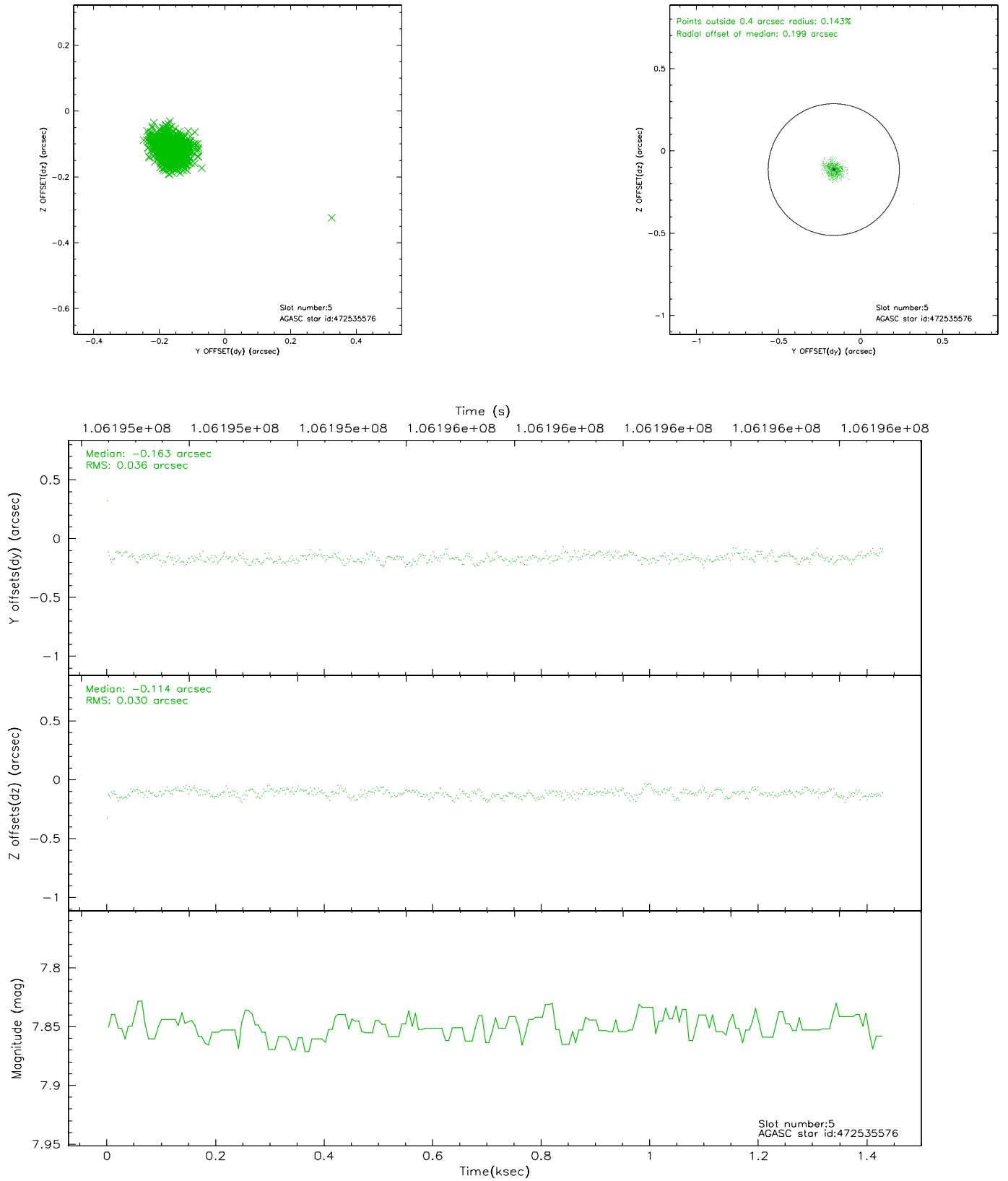
2.4.1 Slot 3



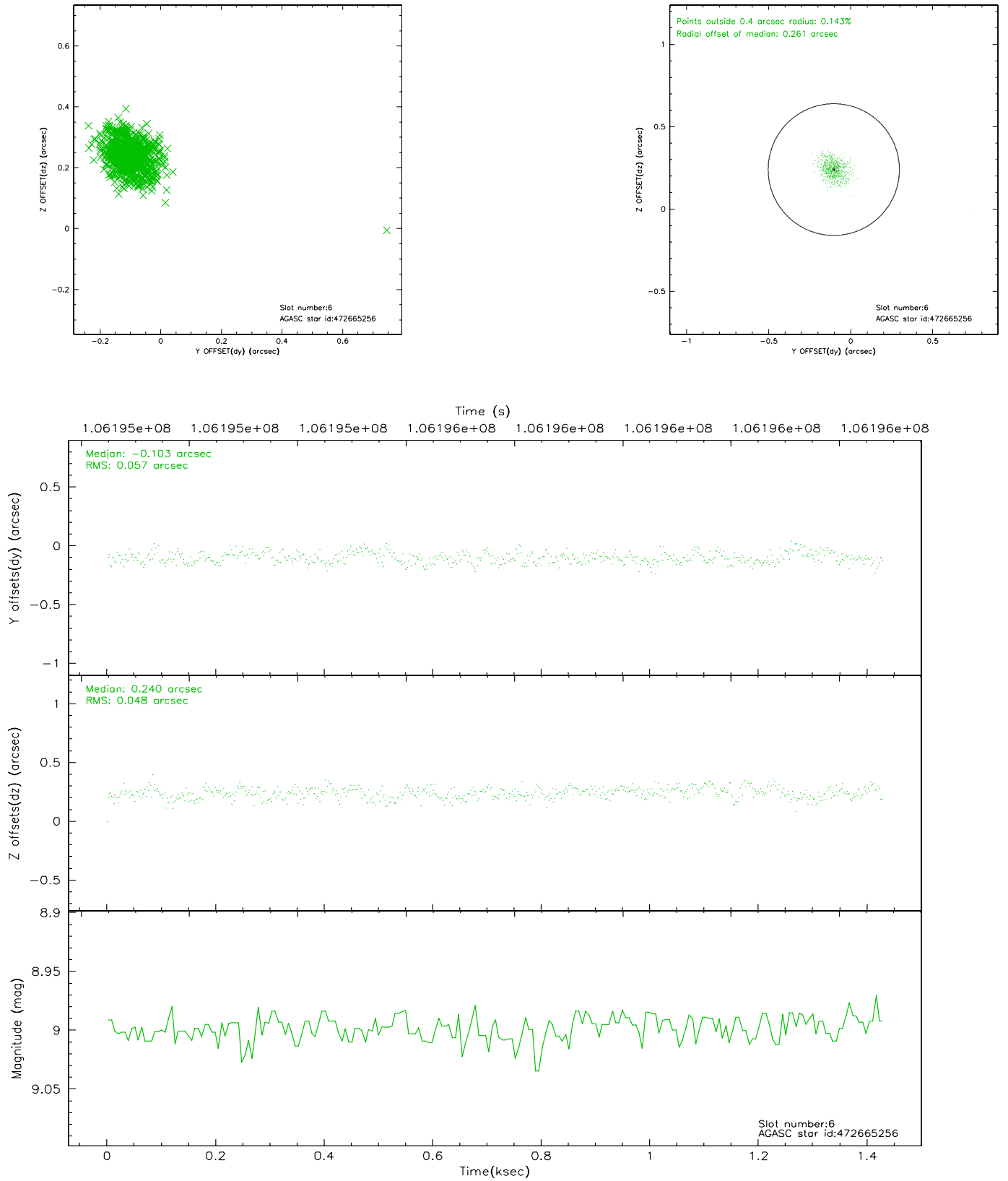
2.4.2 Slot 4



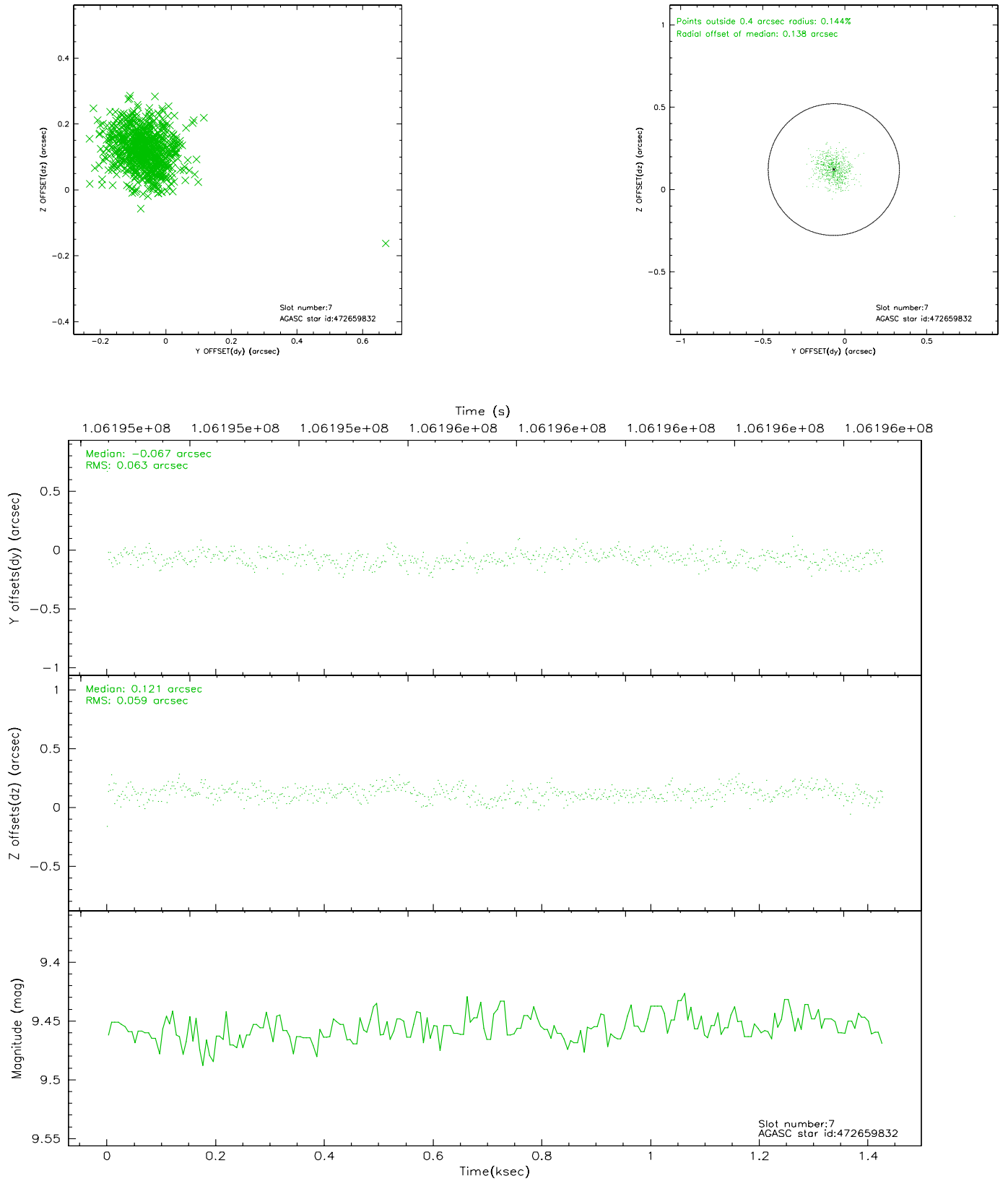
2.4.3 Slot 5



2.4.4 Slot 6

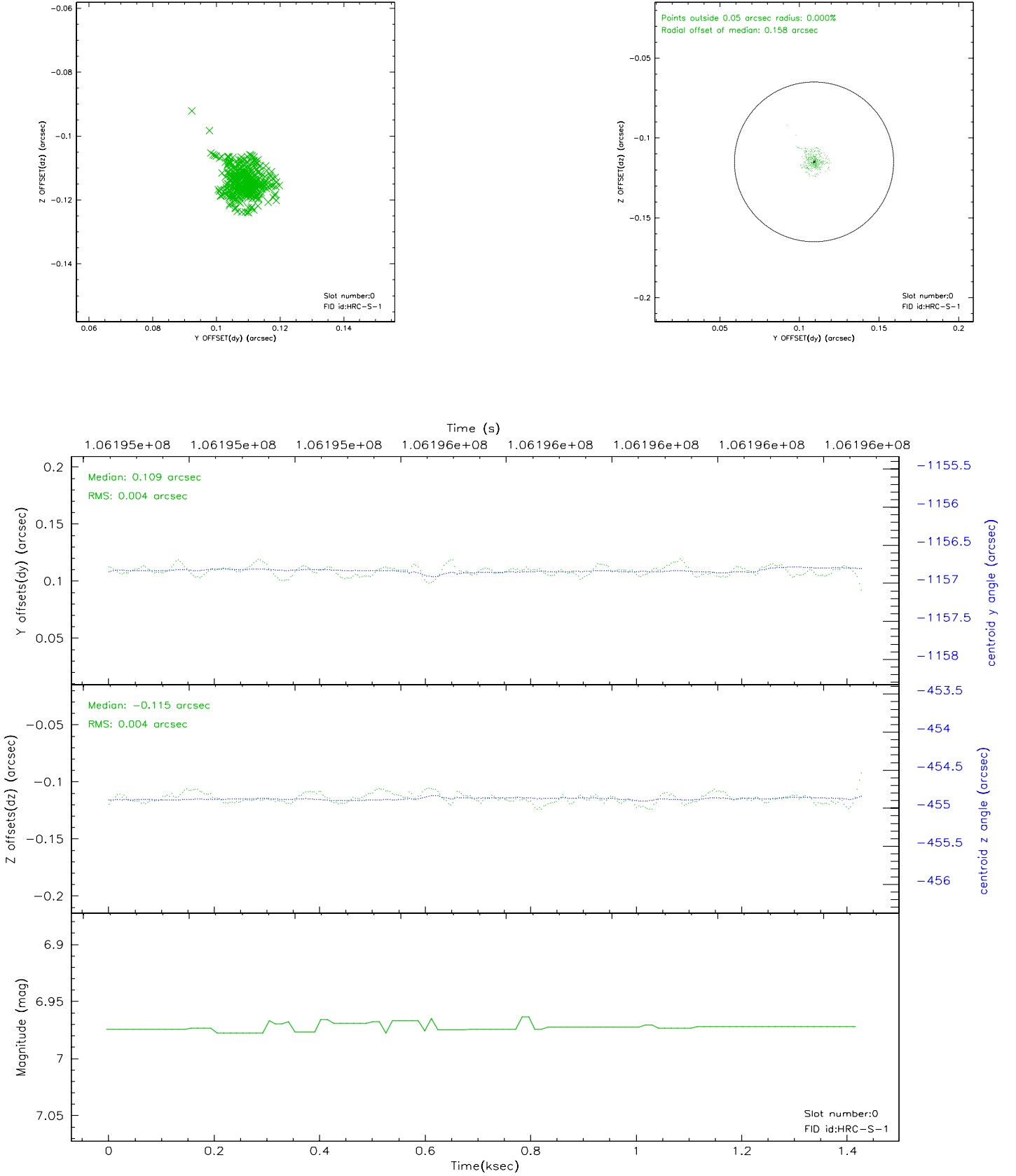


2.4.5 Slot 7

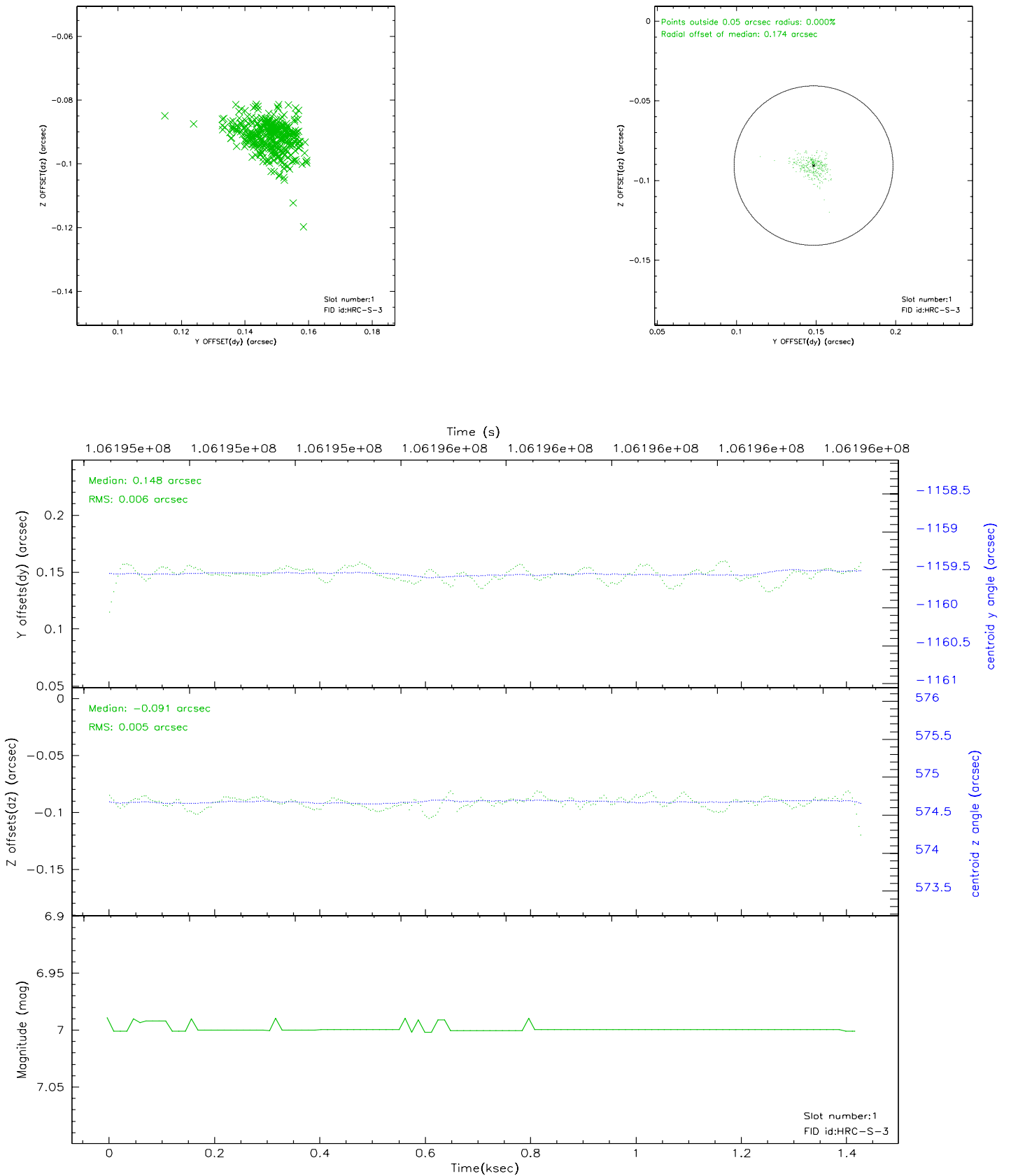


2.5 FID Slots

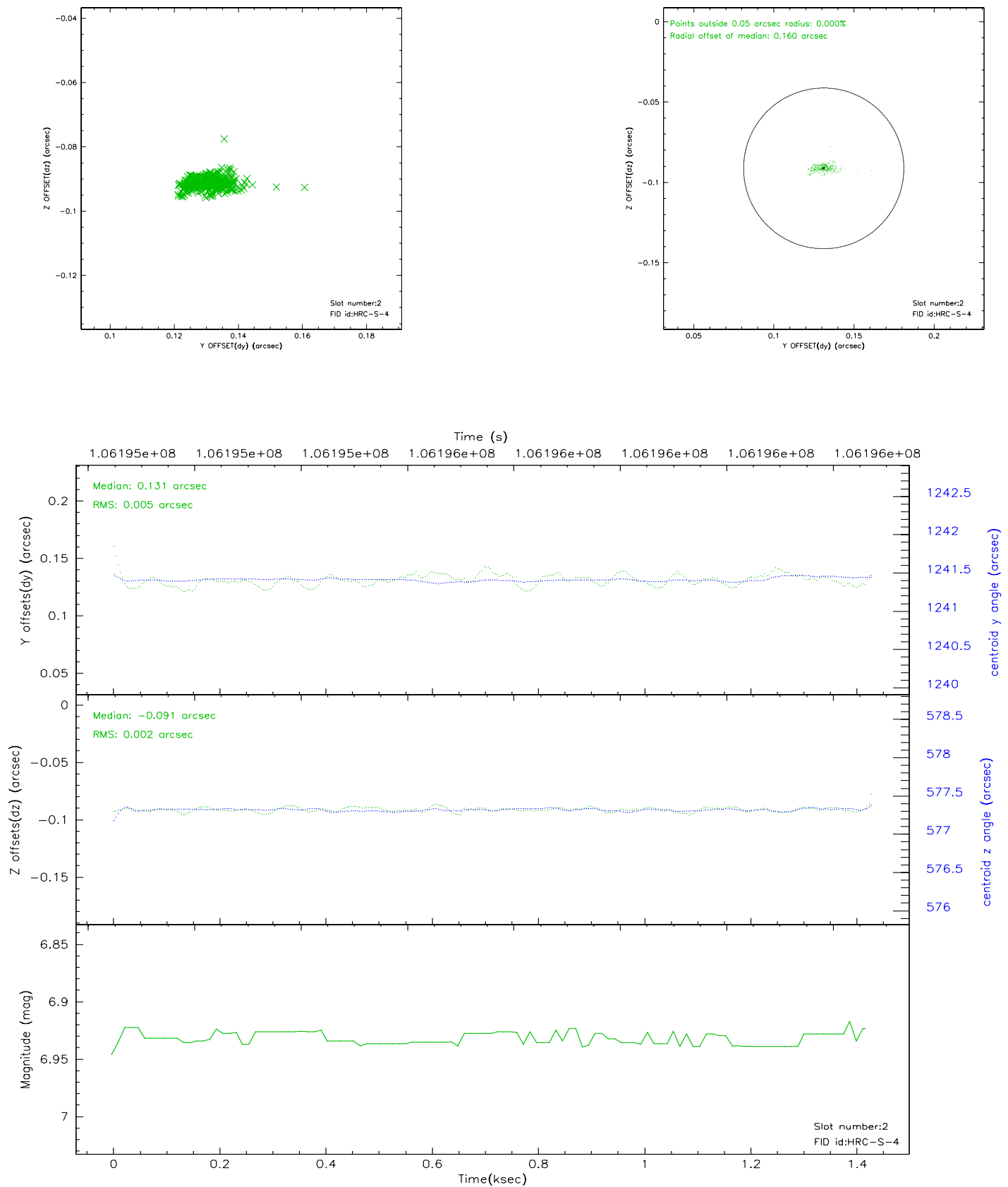
2.5.1 Slot 0



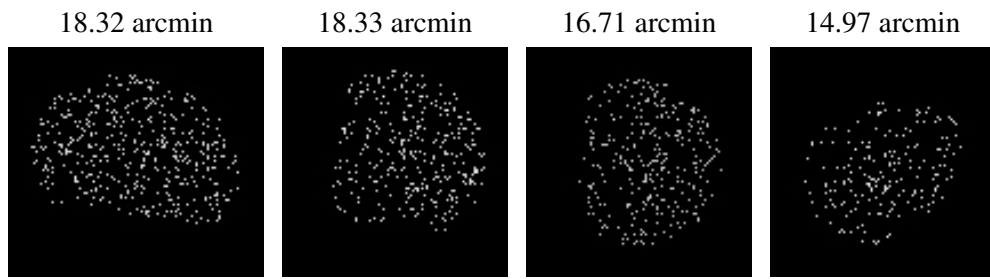
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.11.21 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.428 |

A.2 Comments