

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2379 - L2 Version 001
Chandra X-Ray Center

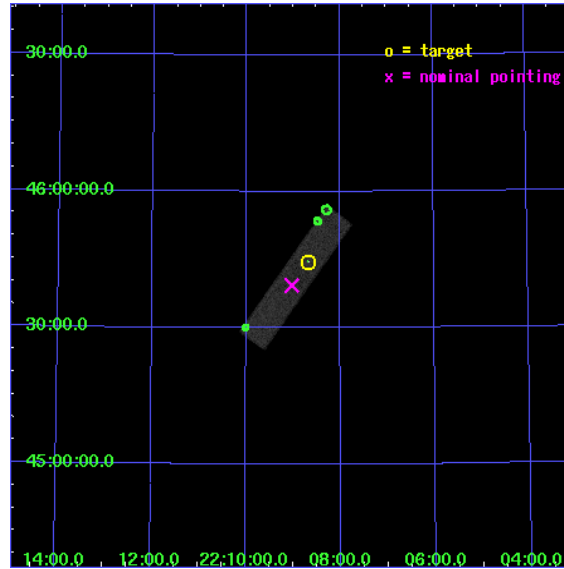
L2 Processing Date : Jun 21 2007

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1 Front

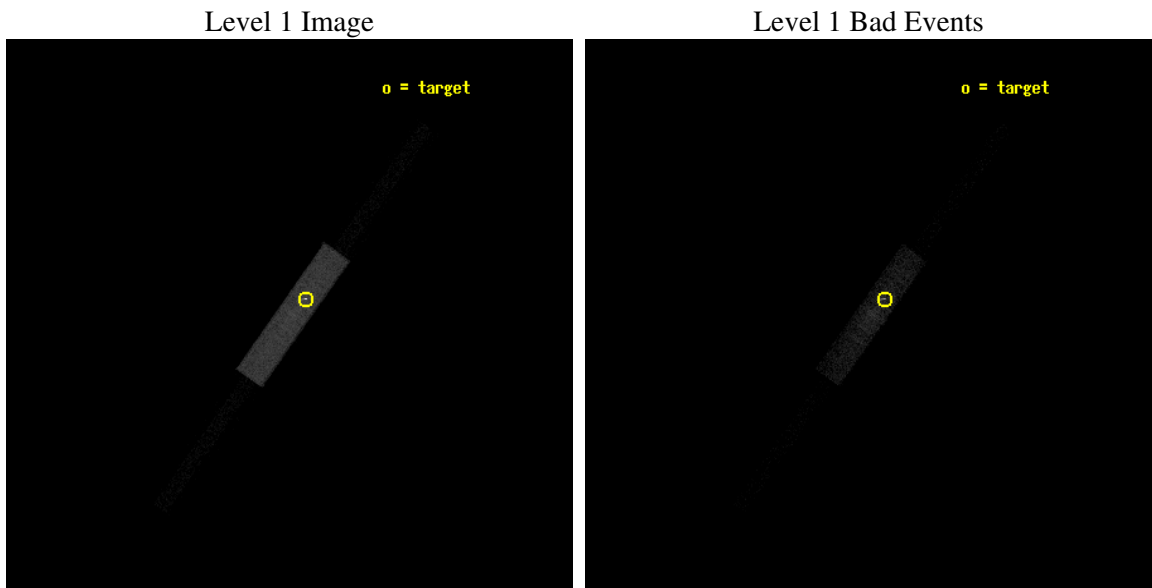
| | |
|----------|---|
| seq_num | 290125 |
| obs_id | 2379 |
| title | HRC-I CALIBRATION OBSERVATIONS OF ARLAC |
| observer | Dr. CXC Calibration |
| object | ARLAC,HRC-S,AO2 |
| ra_targ | 332.17 |
| dec_targ | 45.742306 |
| ra_nom | 332.25711713157 |
| dec_nom | 45.656338436393 |
| roll_nom | 305.2322115712 |
| revision | 4 |
| ontime | 1142.1062936932 |
| livetime | 1136.4751337491 |
| l2events | 36294 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.10 |
| caldbver | 3.4.0 |
| date | 2007-06-21T17:04:35 |
| revision | 3 |

| | |
|----------------|-----------------|
| sched_exp_time | 1000.000000 |
| ontime | 1142.1062936932 |
| l1events | 64191 |

2.1.3 Events

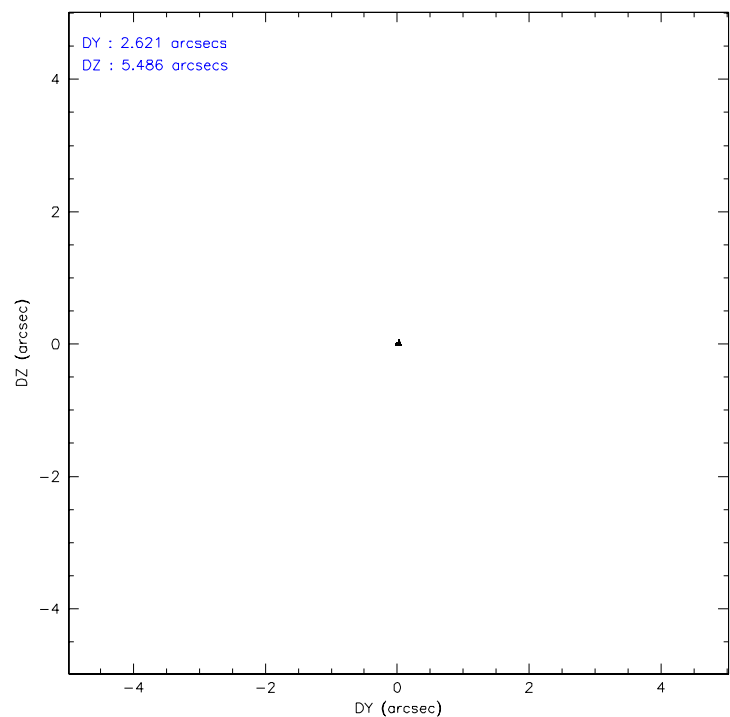
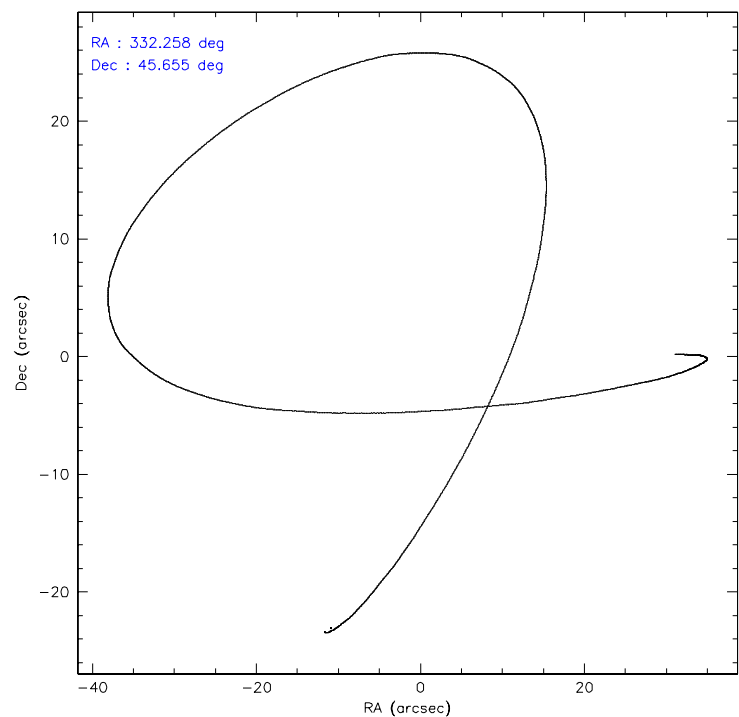
Level 1 Events

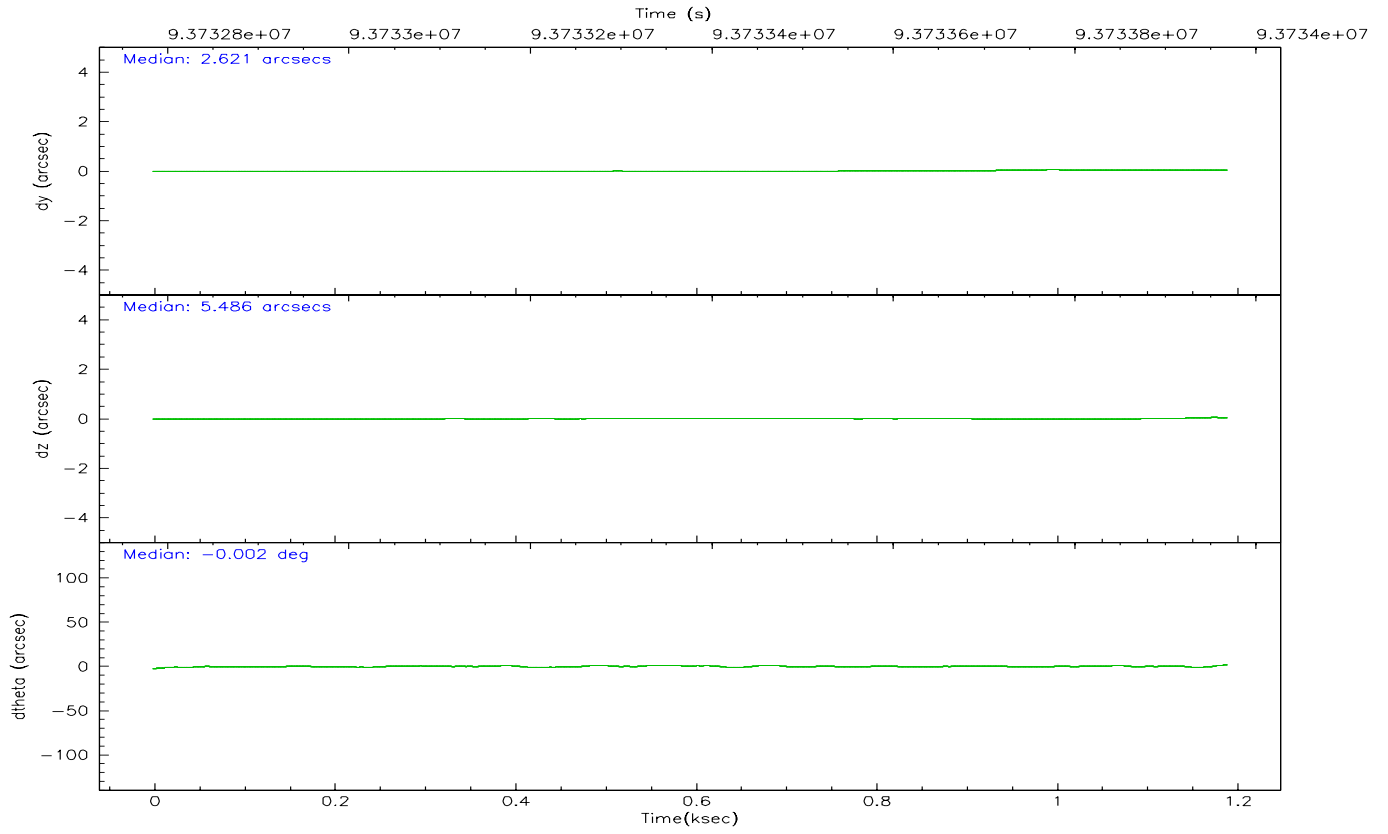
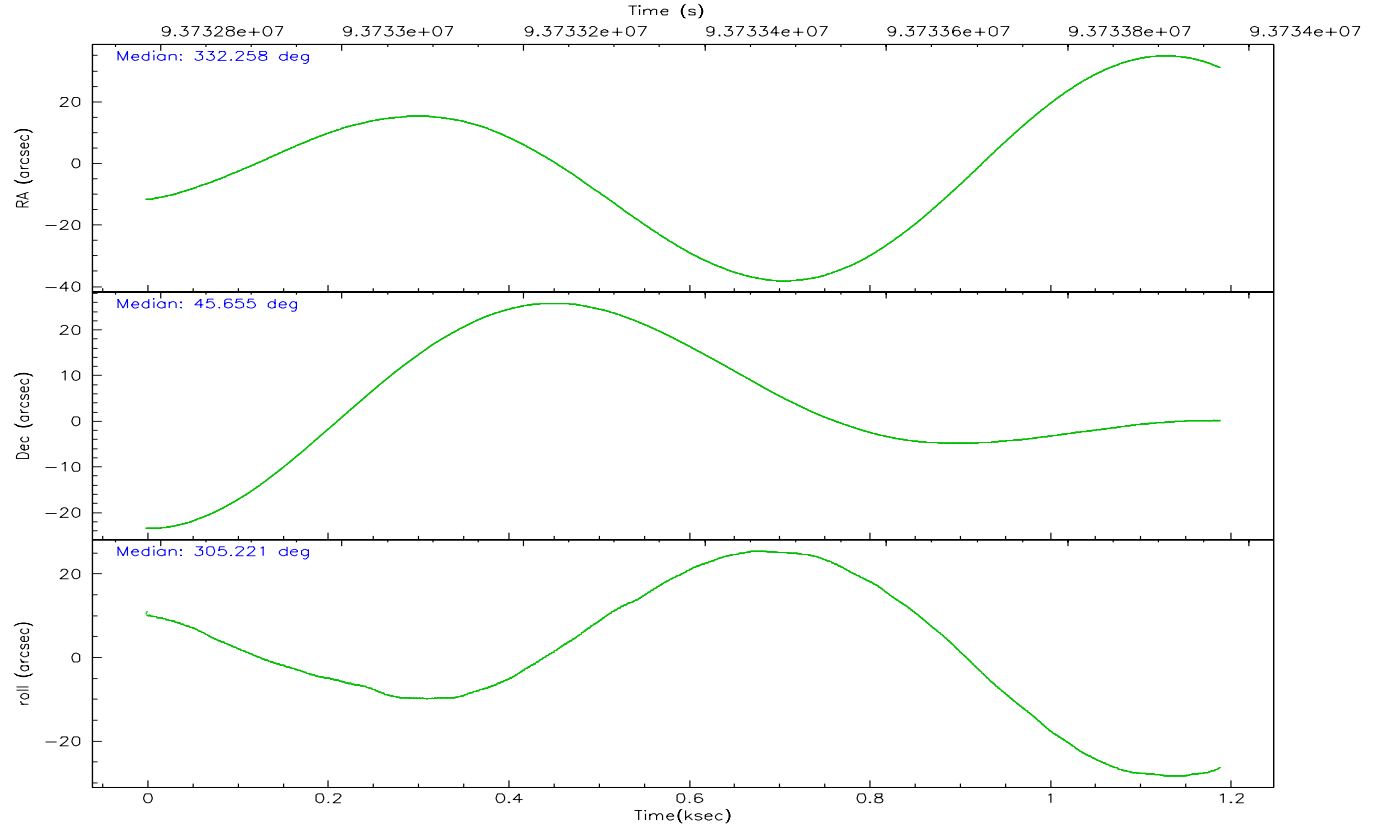
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 1063 | 62065 | 1063 |
| rejected events | 1063 | 23218 | 1063 |
| rejected % | 100% | 37% | 100% |

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 | 332.218266 | 332.2571171315688 | | | |
| Pointing Dec | 45.667359 | 45.65633843639291 | | | |
| Pointing Roll | 305.192635 | 305.2322115711977 | | | |
| 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 | 93732972.184000 | 93732596.039451 | | | |
| Observation start date | 2000-12-20T20:55:08 | 2000-12-20T20:49:56 | | | |
| Observation end time | 93733972.184000 | 93734105.864509 | | | |
| Observation end date | 2000-12-20T21:11:48 | 2000-12-20T21:15:05 | | | |

2.3 Aspect



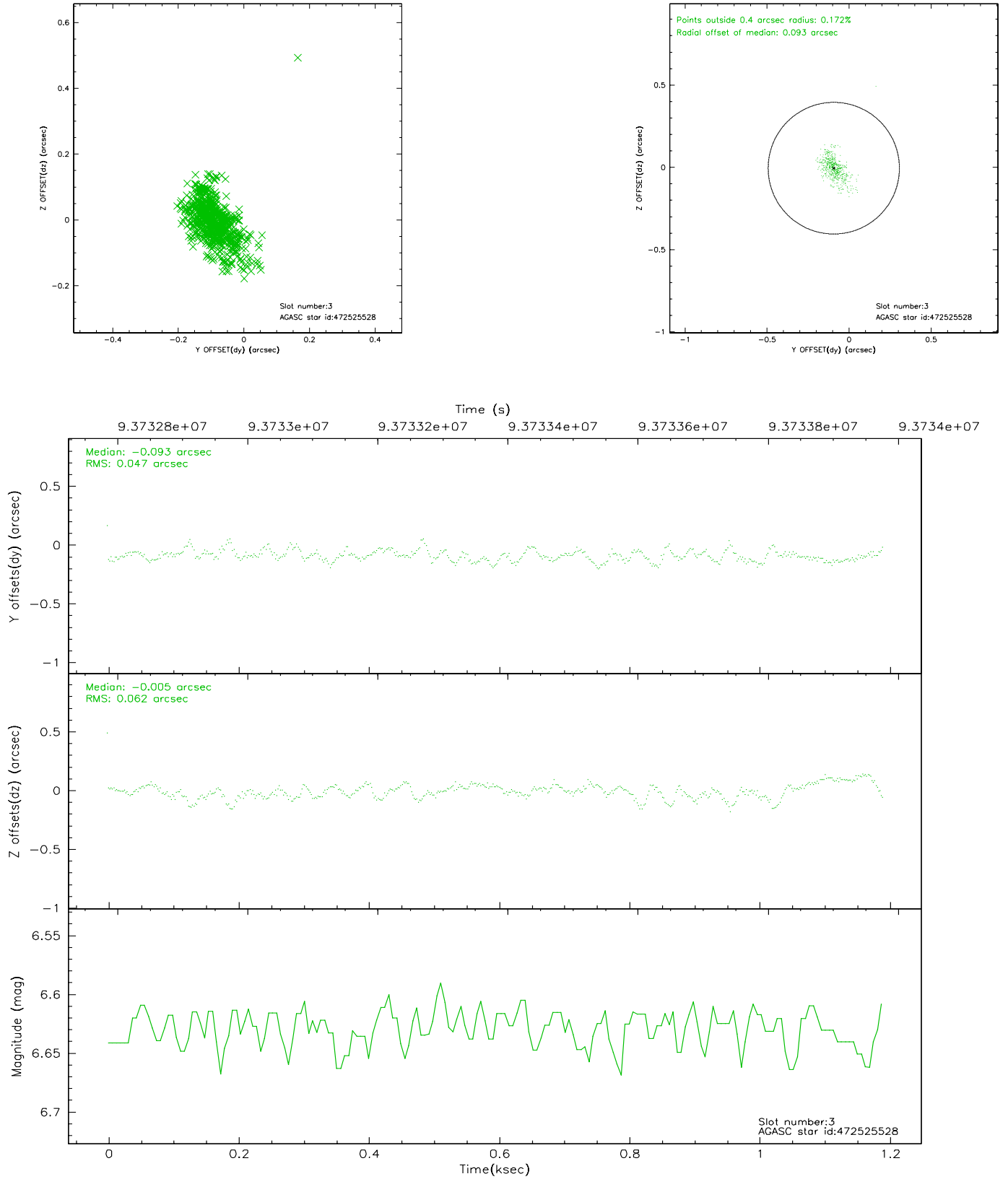


Slot Statistics

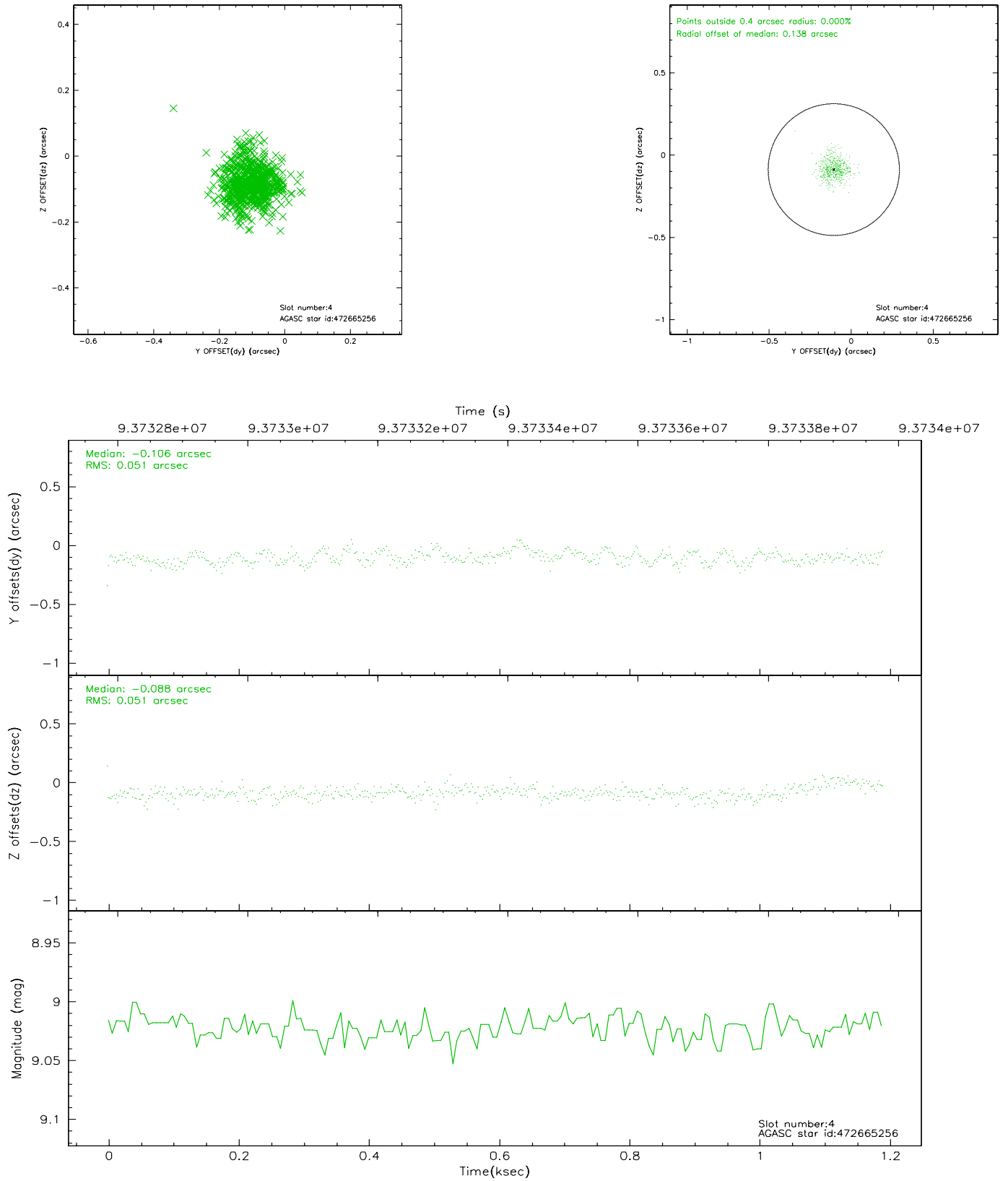
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 6.96 | 291 | 0.130 | -0.155 | 0.007 | 0.013 | 0.000000 | 0.000000 | -1156.68 | -453.99 |
| 1 | FID | HRC-S-2 | 6.97 | 291 | 0.131 | -0.100 | 0.005 | 0.009 | 0.000000 | 0.000000 | 1239.03 | -448.19 |
| 2 | FID | HRC-S-3 | 6.99 | 291 | 0.130 | -0.046 | 0.007 | 0.012 | 0.000000 | 0.000000 | -1155.12 | 574.11 |
| 3 | GUIDE | 472525528 | 6.63 | 582 | -0.093 | -0.005 | 0.076 | 0.140 | 331.551102 | 45.248694 | 250.18 | -2248.42 |
| 4 | GUIDE | 472665256 | 9.02 | 582 | -0.106 | -0.088 | 0.077 | 0.124 | 332.808125 | 46.195041 | -711.48 | 2293.10 |
| 5 | GUIDE | 420754040 | 9.09 | 582 | 0.094 | -0.080 | 0.099 | 0.159 | 331.917939 | 44.882543 | 1864.04 | -2251.30 |
| 6 | GUIDE | 472659832 | 9.47 | 582 | 0.030 | 0.063 | 0.097 | 0.154 | 332.780399 | 46.098139 | -461.42 | 2037.49 |
| 7 | GUIDE | 472655152 | 9.43 | 581 | 0.071 | 0.121 | 0.108 | 0.333 | 332.504239 | 45.862991 | -165.89 | 994.10 |

2.4 Star Slots

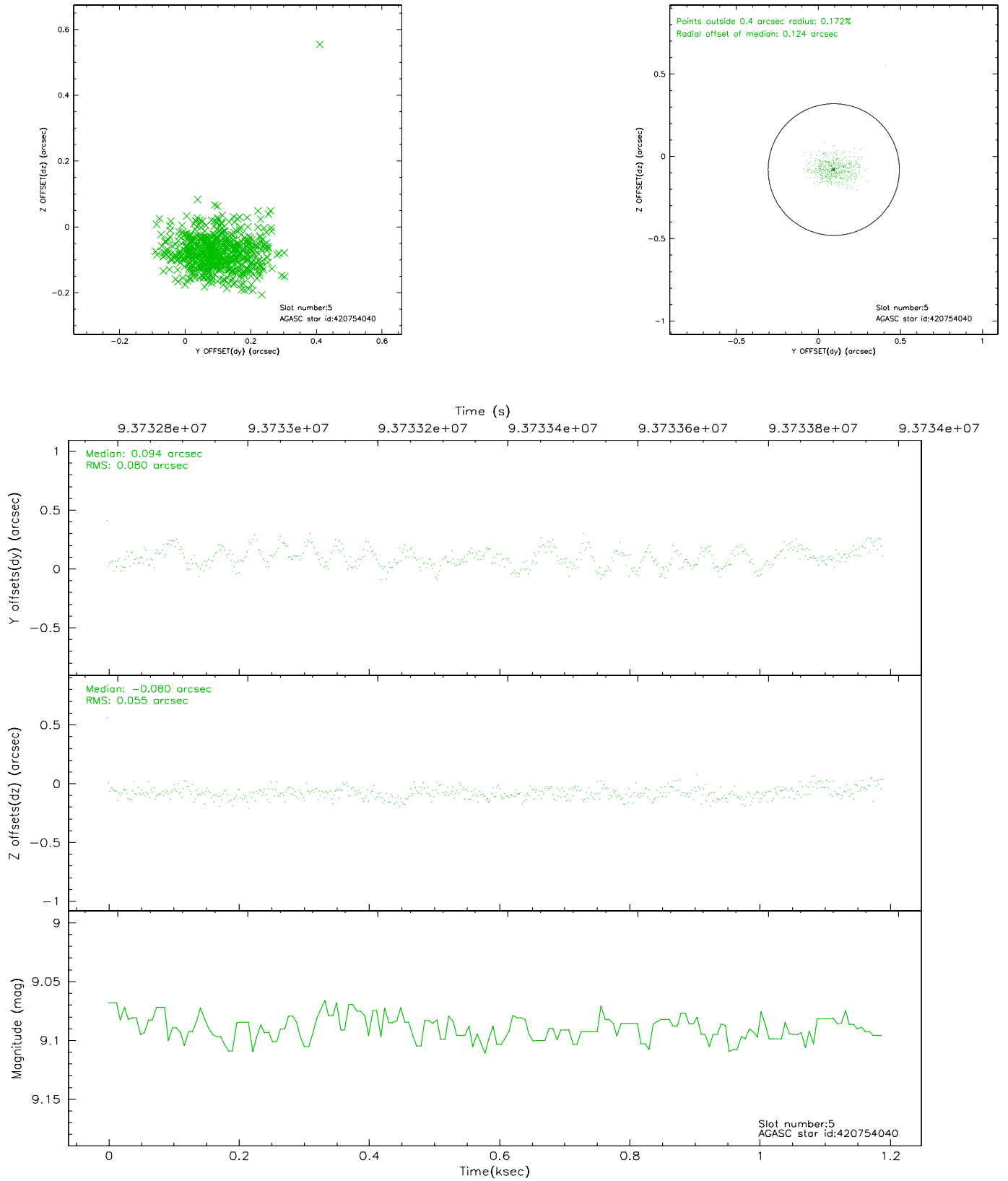
2.4.1 Slot 3



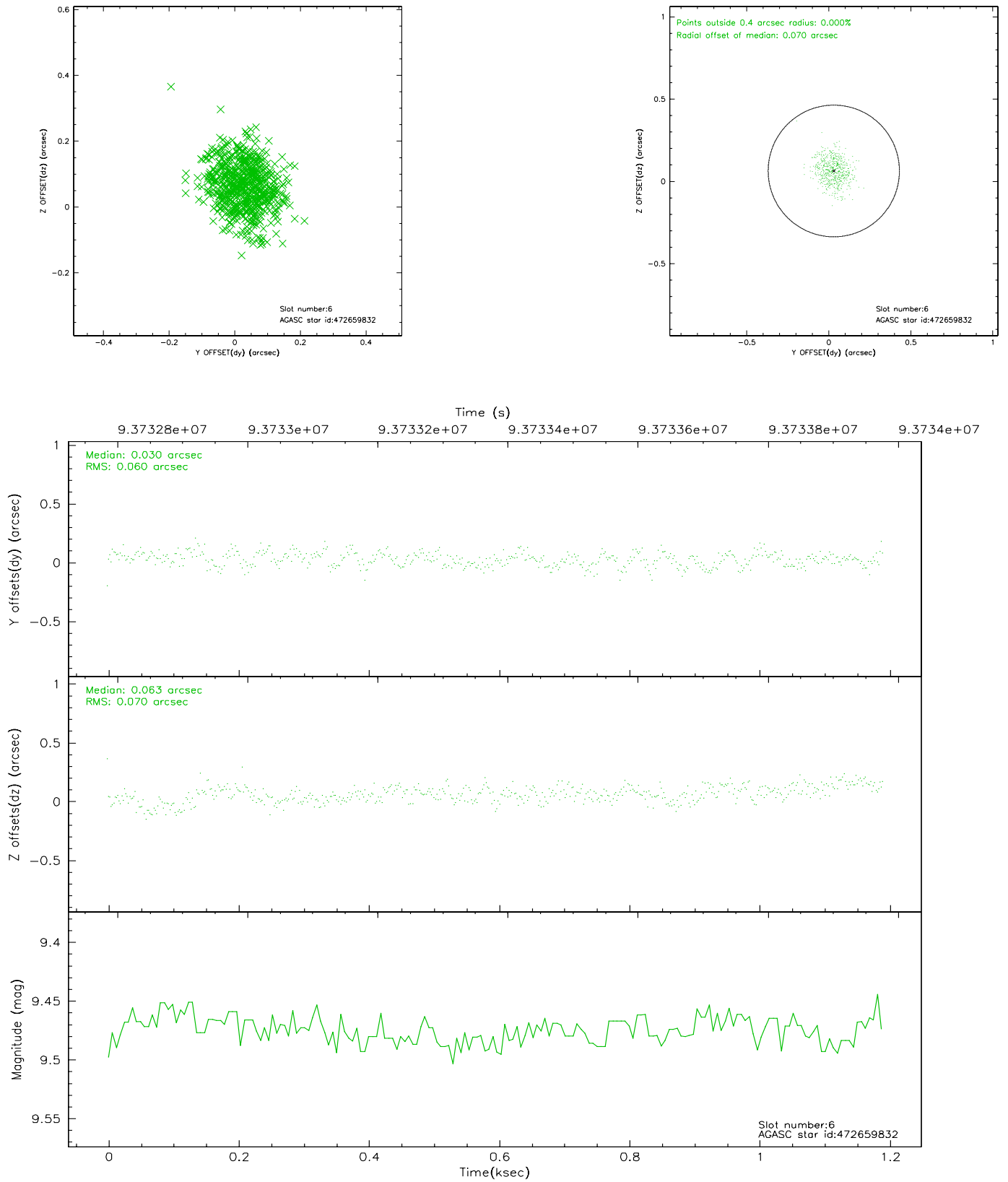
2.4.2 Slot 4



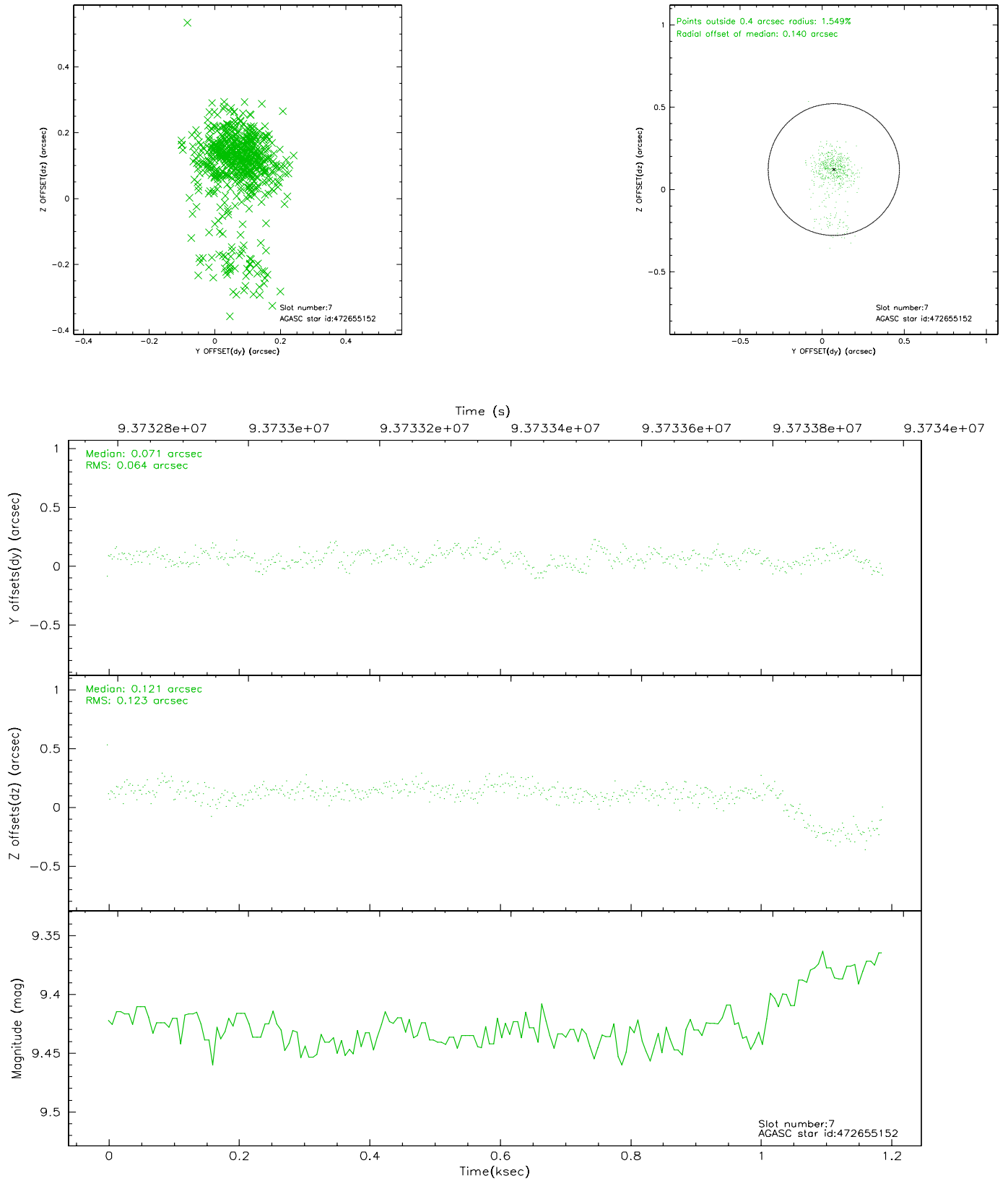
2.4.3 Slot 5



2.4.4 Slot 6

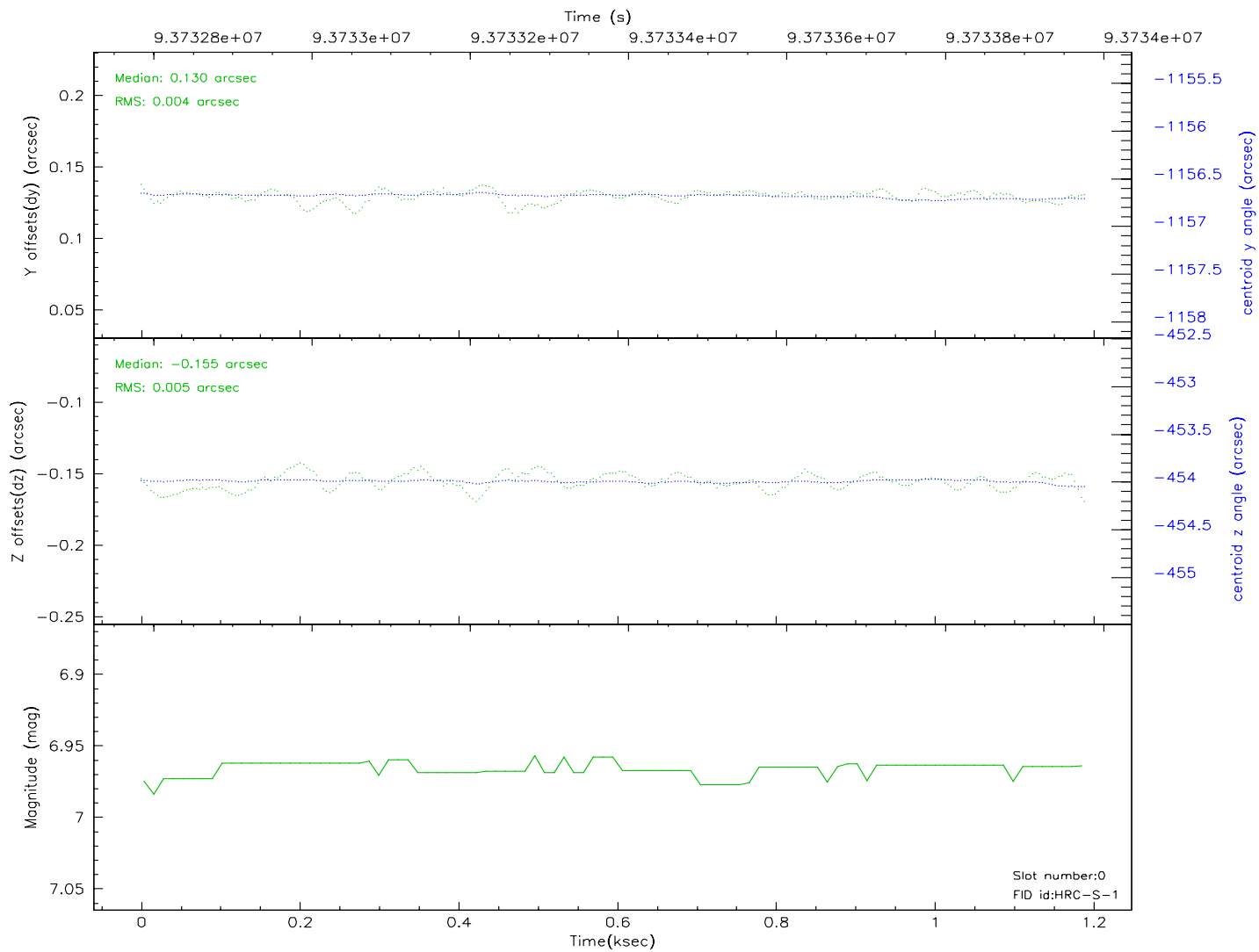
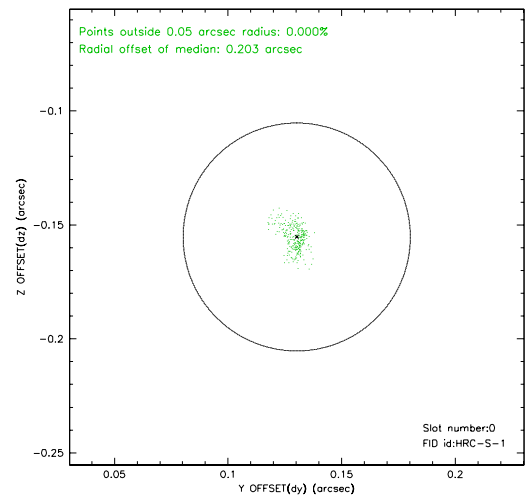
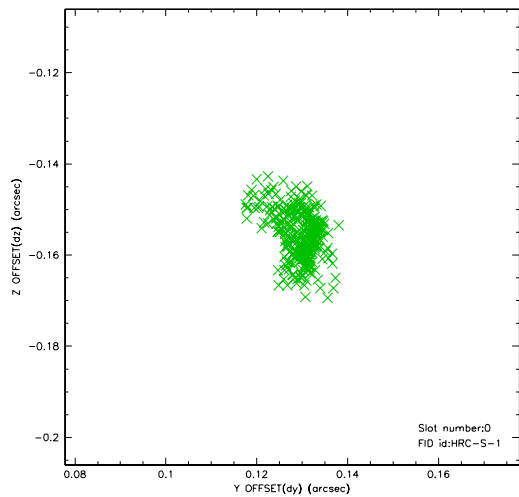


2.4.5 Slot 7

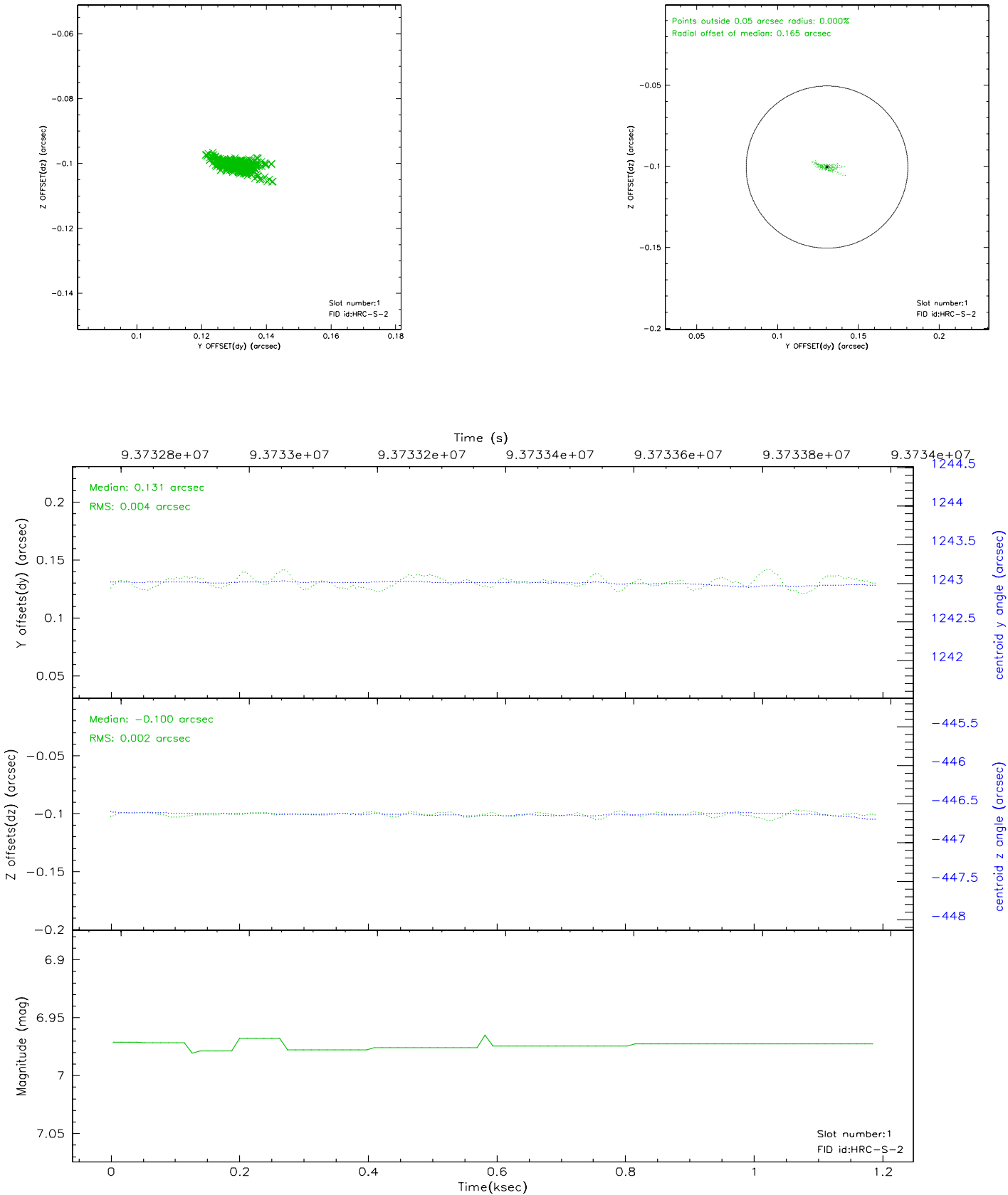


2.5 FID Slots

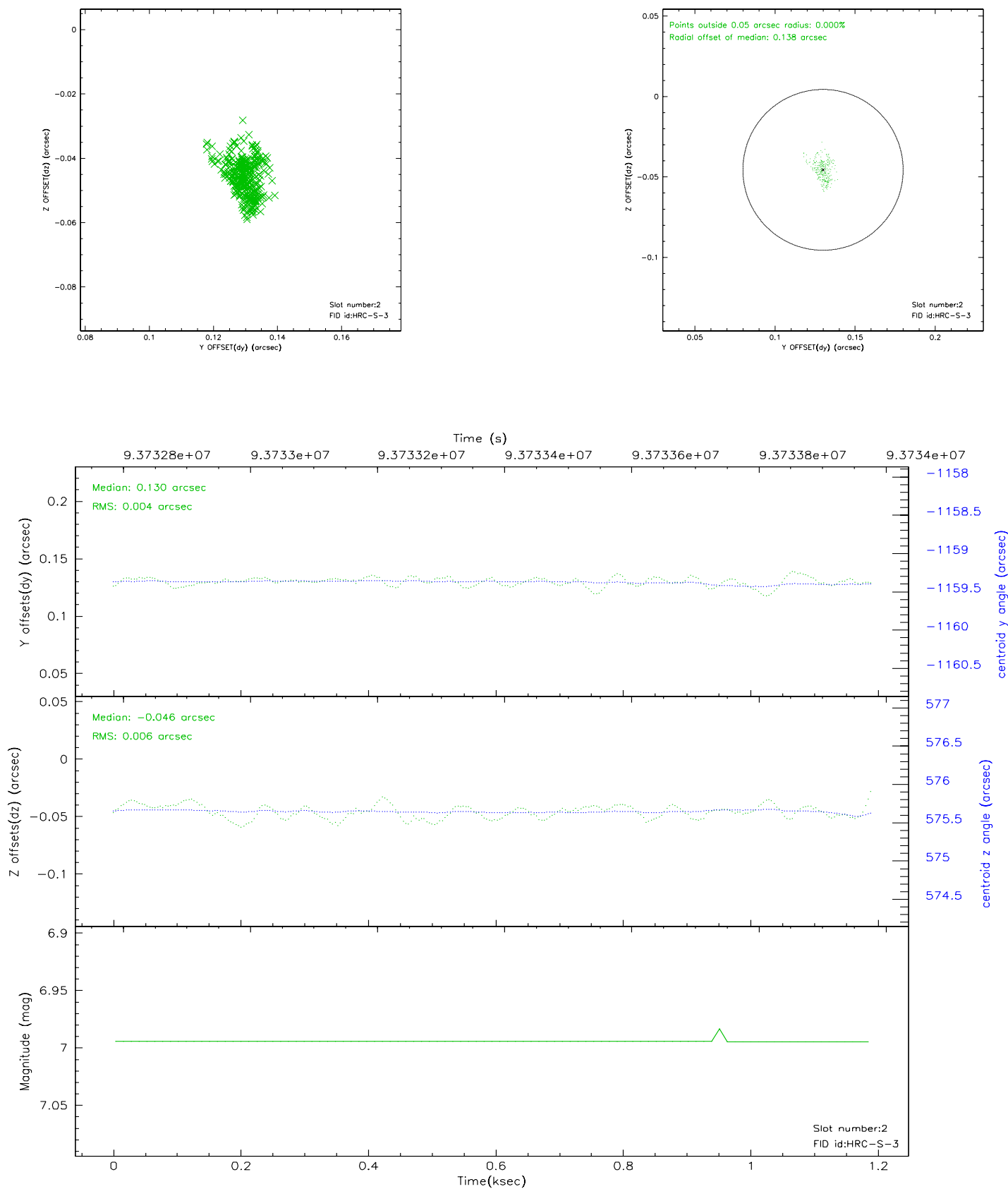
2.5.1 Slot 0



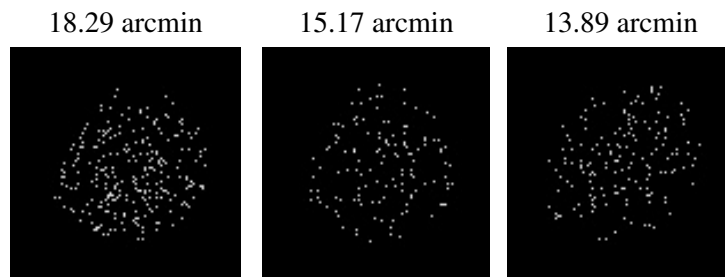
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2007.06.22 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.19 |

A.2 Comments

Charge time for this ObsId remains at previous value of 1.19 ks, although with the current processing the charge time would have been 1.14 ksec.