

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4342 - L2 Version 001
Chandra X-Ray Center

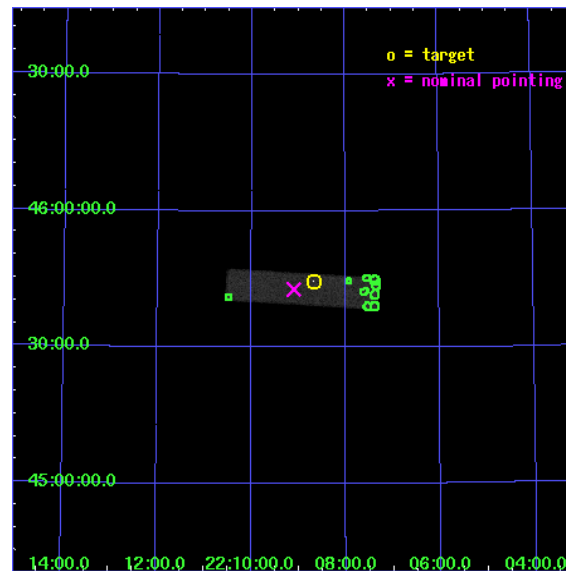
L2 Processing Date : Jul 27 2006

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1 Front

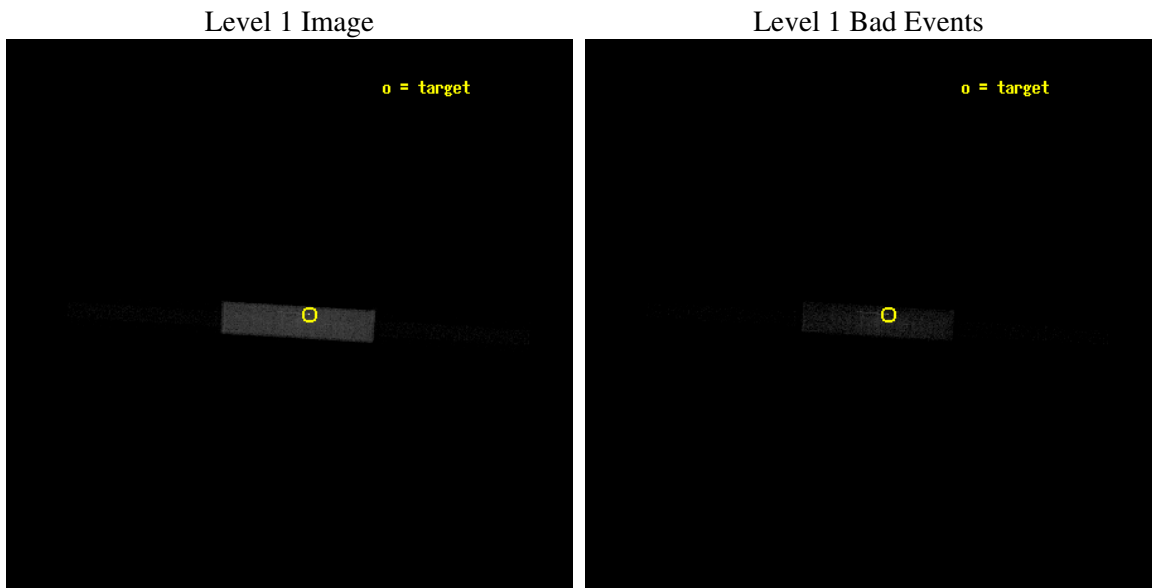
| | |
|----------|---|
| seq_num | 290302 |
| obs_id | 4342 |
| title | AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN |
| observer | Dr. CXC Calibration |
| object | ARLAC |
| ra_targ | 332.17 |
| dec_targ | 45.742306 |
| ra_nom | 332.27414562424 |
| dec_nom | 45.712916961431 |
| roll_nom | 3.3880489825094 |
| revision | 2 |
| ontime | 1141.0812979937 |
| livetime | 1135.117582477 |
| l2events | 39293 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.8 |
| caldbver | 3.2.2 |
| date | 2006-07-27T21:11:57 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 1000.000000 |
| ontime | 1186.9500499368 |
| l1events | 68588 |

2.1.3 Events

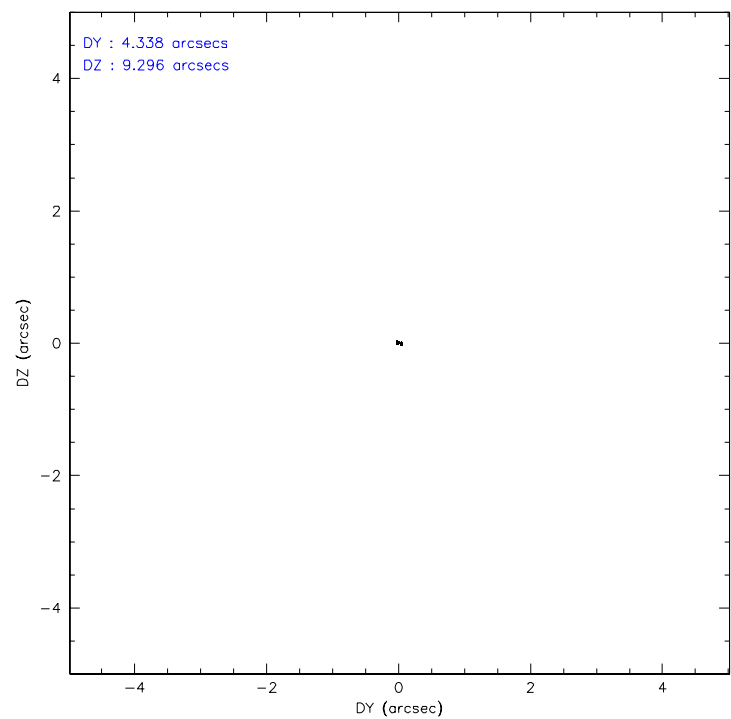
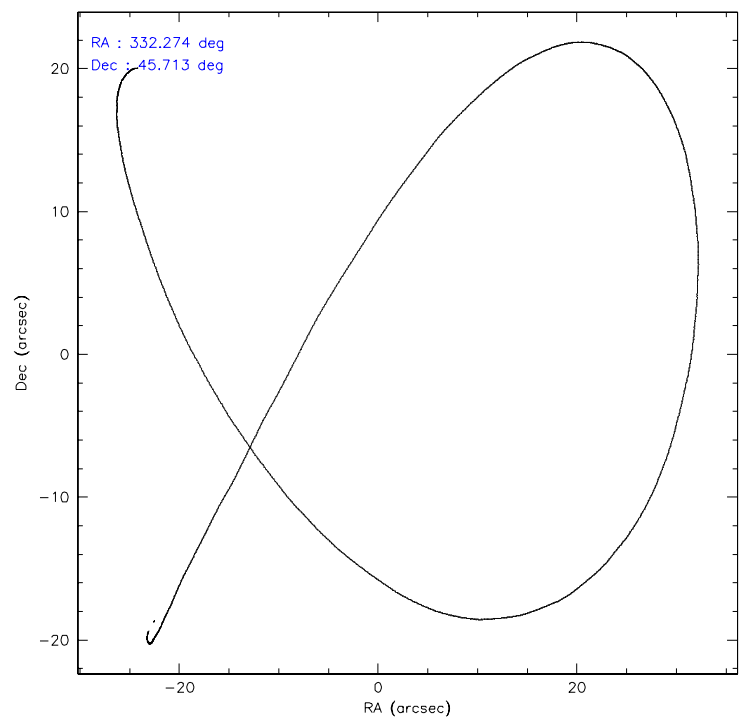
Level 1 Events

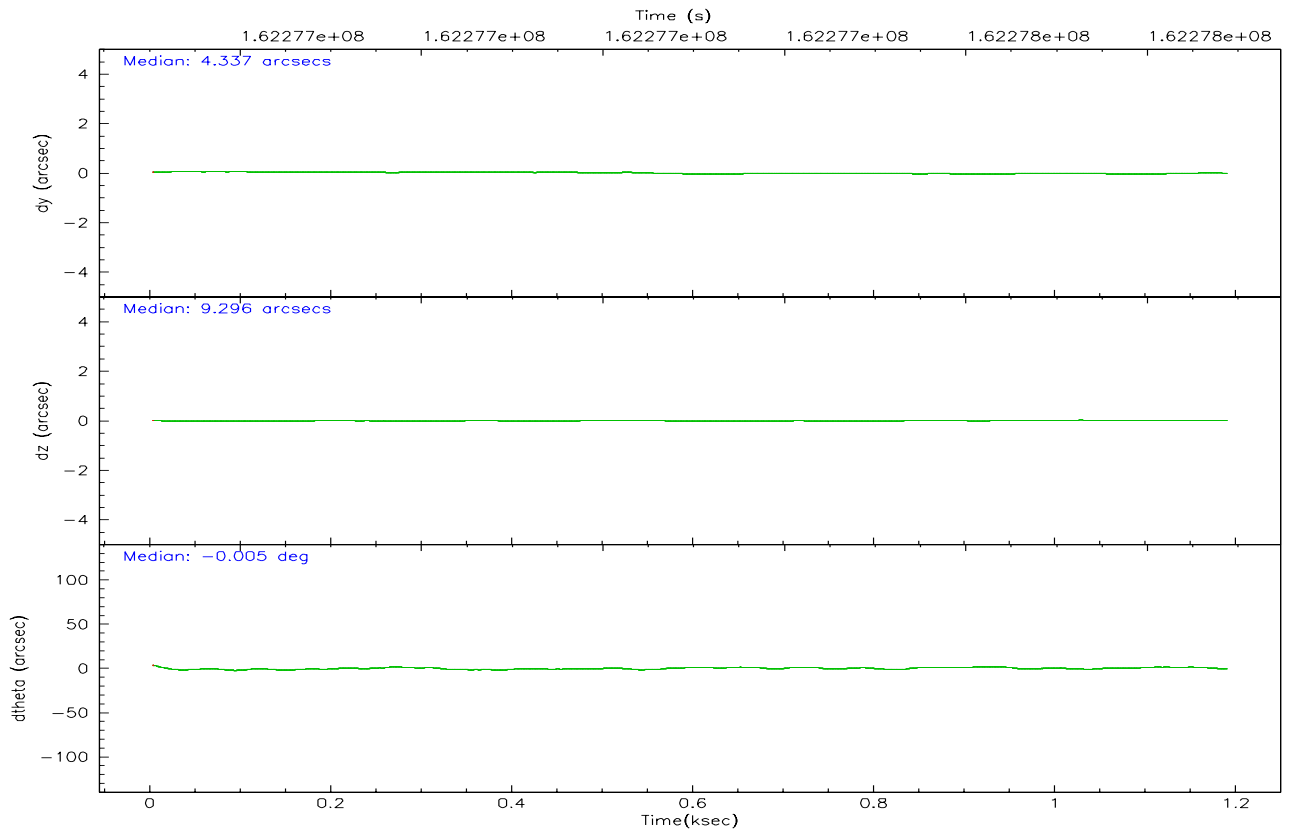
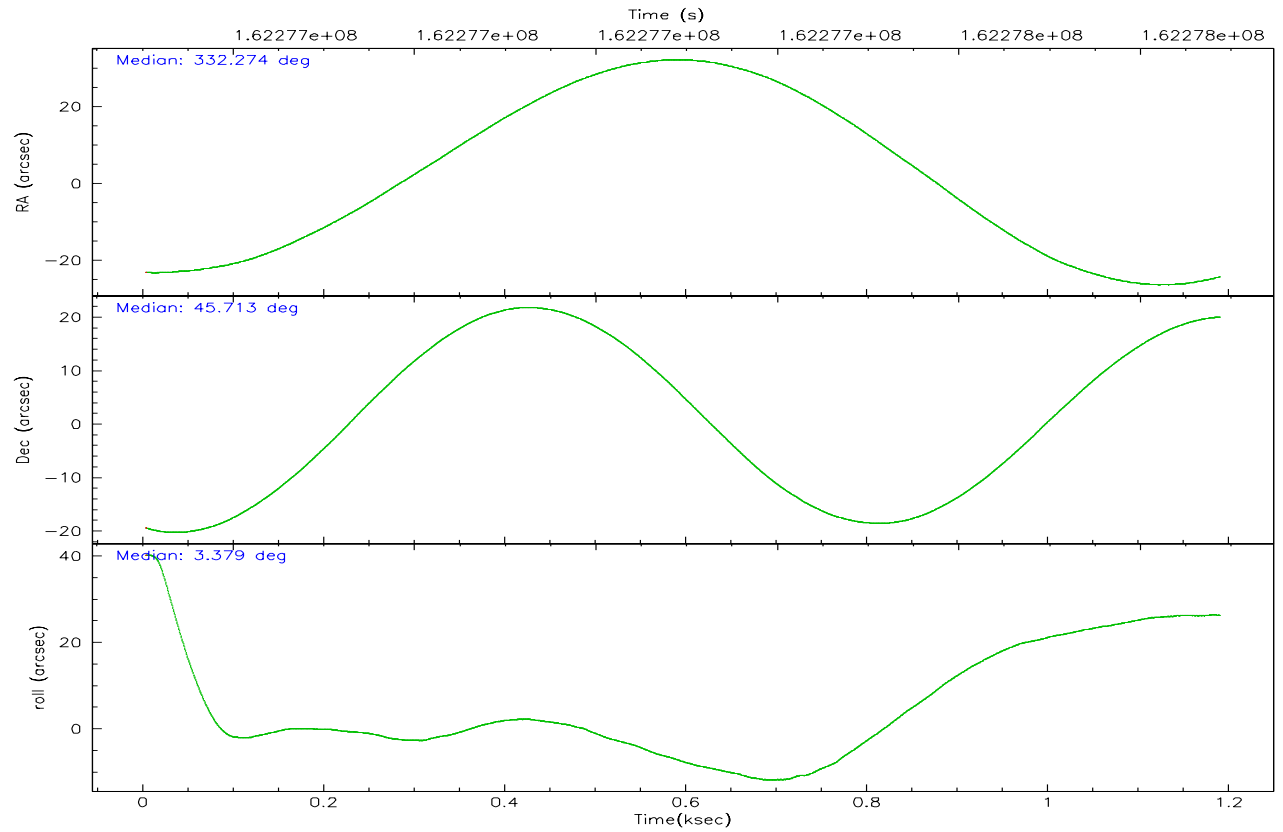
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 1162 | 66309 | 1117 |
| rejected events | 1162 | 24348 | 1117 |
| rejected % | 100% | 36% | 100% |

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 | 332.241812 | 332.2741456242388 | | | |
| Pointing Dec | 45.696167 | 45.71291696143138 | | | |
| Pointing Roll | 3.343523 | 3.388048982509389 | | | |
| 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 | 162276895.184000 | 162276519.74384 | | | |
| Observation start date | 2003-02-22T04:53:51 | 2003-02-22T04:48:39 | | | |
| Observation end time | 162277895.184000 | 162278029.5689 | | | |
| Observation end date | 2003-02-22T05:10:31 | 2003-02-22T05:13:49 | | | |

2.3 Aspect



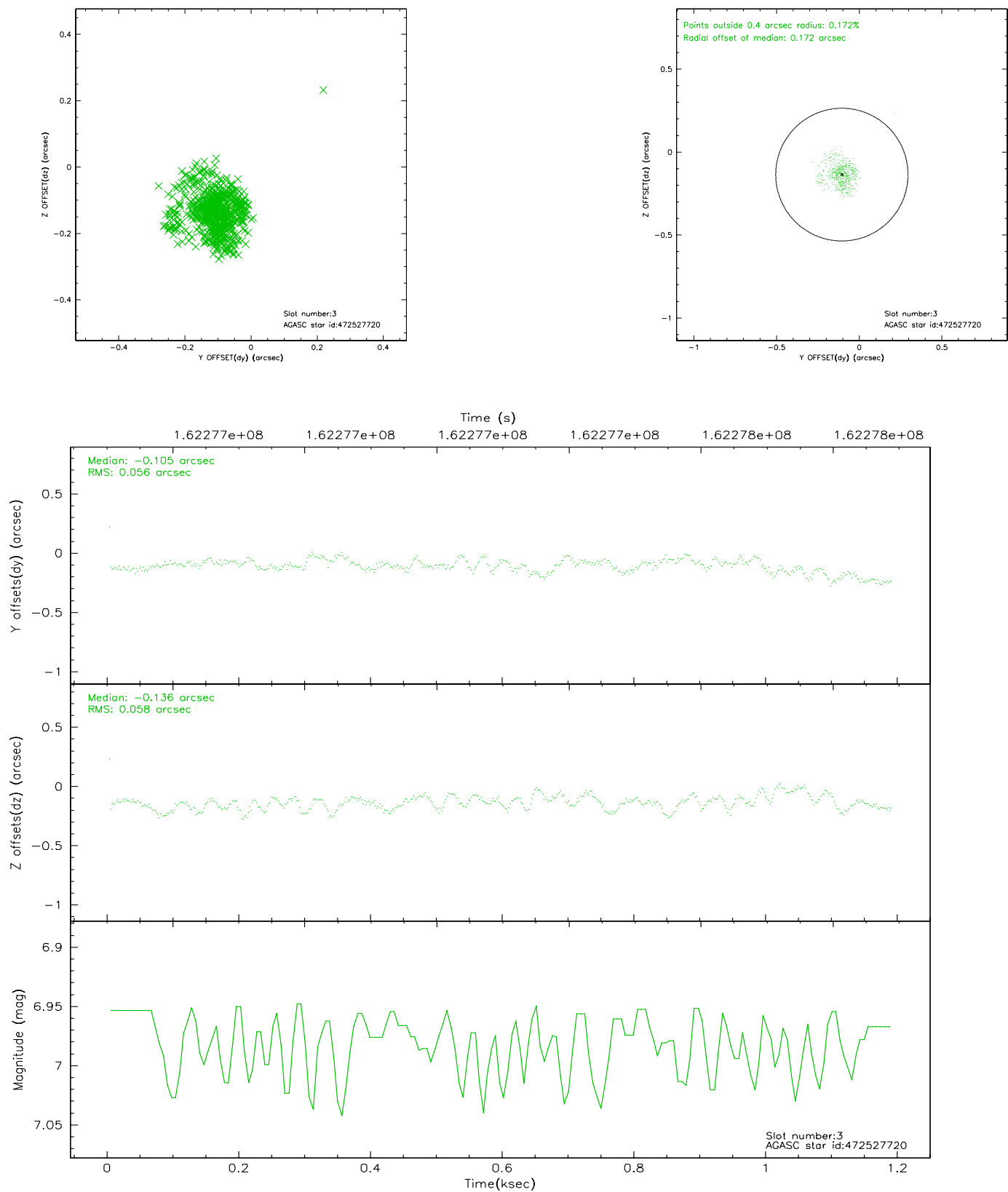


Slot Statistics

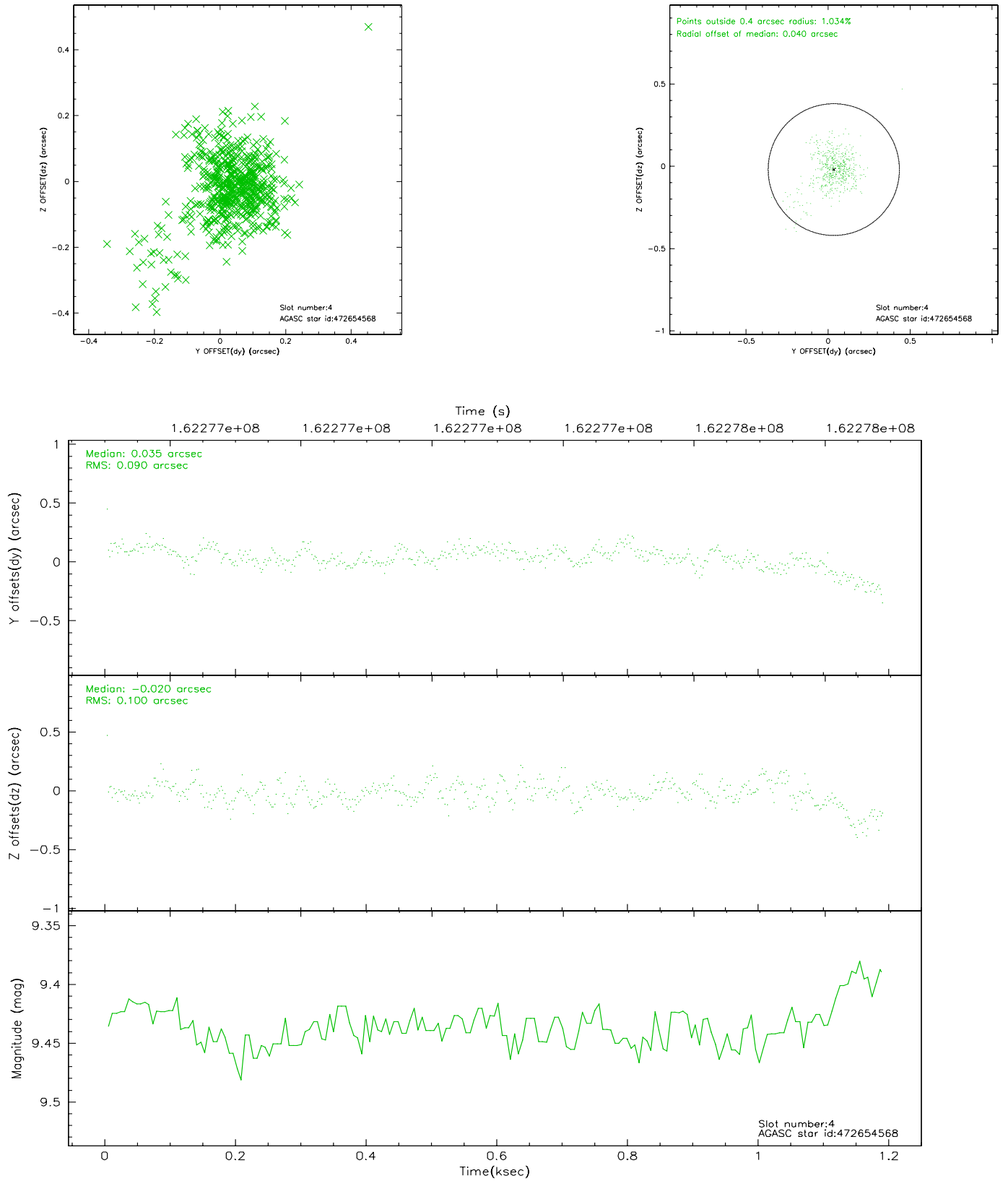
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|-------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 7.01 | 290 | 0.180 | -0.108 | 0.005 | 0.008 | 0.000000 | 0.000000 | -1158.36 | -457.93 |
| 1 | FID | HRC-S-2 | 6.99 | 290 | 0.074 | -0.099 | 0.011 | 0.020 | 0.000000 | 0.000000 | 1237.22 | -452.08 |
| 2 | FID | HRC-S-4 | 6.98 | 290 | 0.149 | -0.097 | 0.011 | 0.018 | 0.000000 | 0.000000 | 1244.11 | 572.67 |
| 3 | GUIDE | 472527720 | 6.98 | 580 | -0.105 | -0.136 | 0.084 | 0.141 | 331.460205 | 45.112509 | -2102.39 | -1971.91 |
| 4 | GUIDE | 472654568 | 9.44 | 580 | 0.035 | -0.020 | 0.124 | 0.261 | 332.194449 | 45.063576 | -254.48 | -2269.17 |
| 5 | GUIDE | 472655152 | 9.43 | 580 | 0.097 | -0.030 | 0.112 | 0.201 | 332.504239 | 45.862991 | 693.37 | 559.04 |
| 6 | GUIDE | 472659832 | 9.46 | 579 | 0.003 | 0.007 | 0.111 | 0.177 | 332.780399 | 46.098139 | 1429.83 | 1372.63 |
| 7 | GUIDE | 472652872 | 10.11 | 576 | -0.056 | 0.167 | 0.204 | 0.558 | 332.255928 | 45.019274 | -101.68 | -2431.62 |

2.4 Star Slots

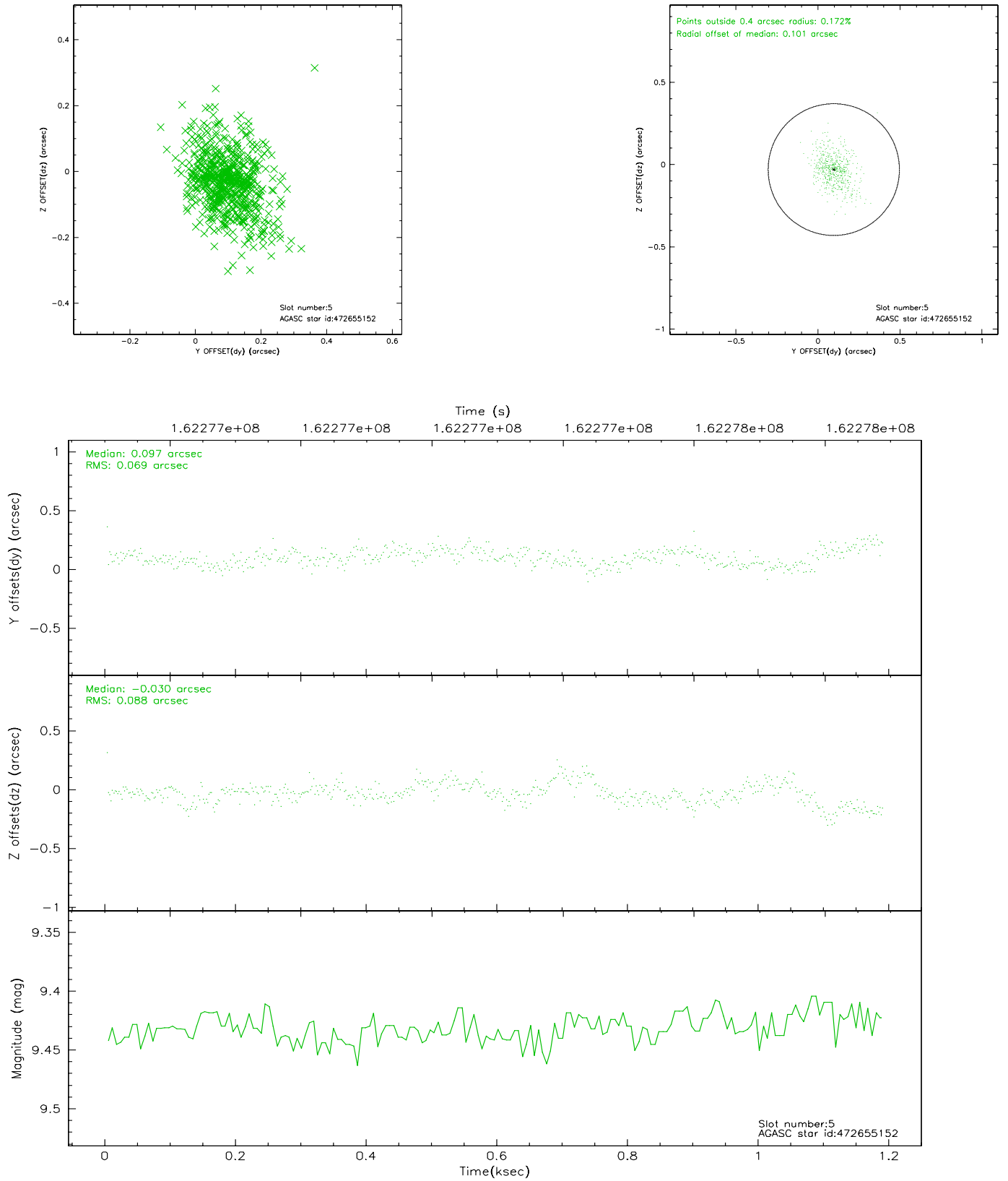
2.4.1 Slot 3



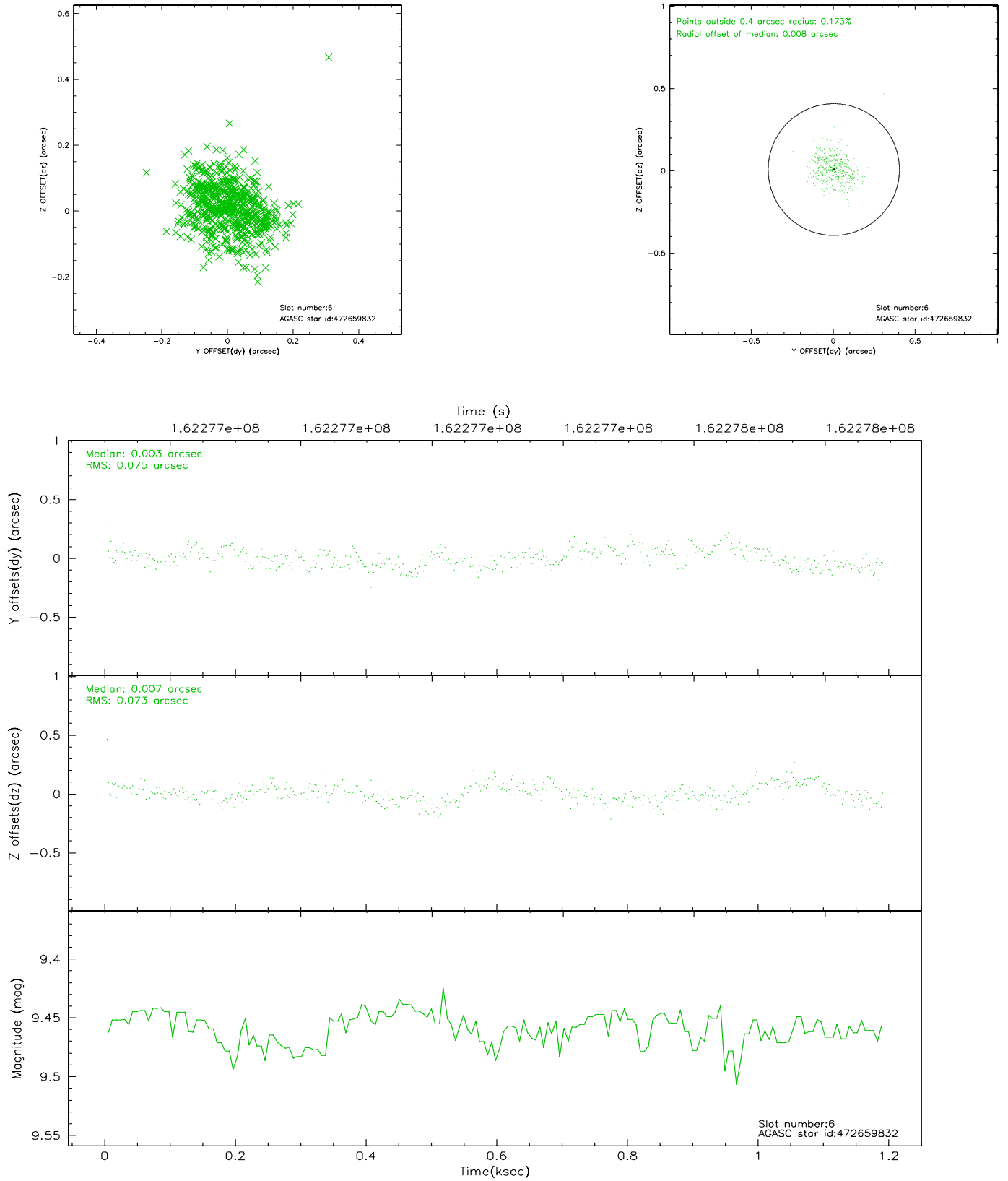
2.4.2 Slot 4



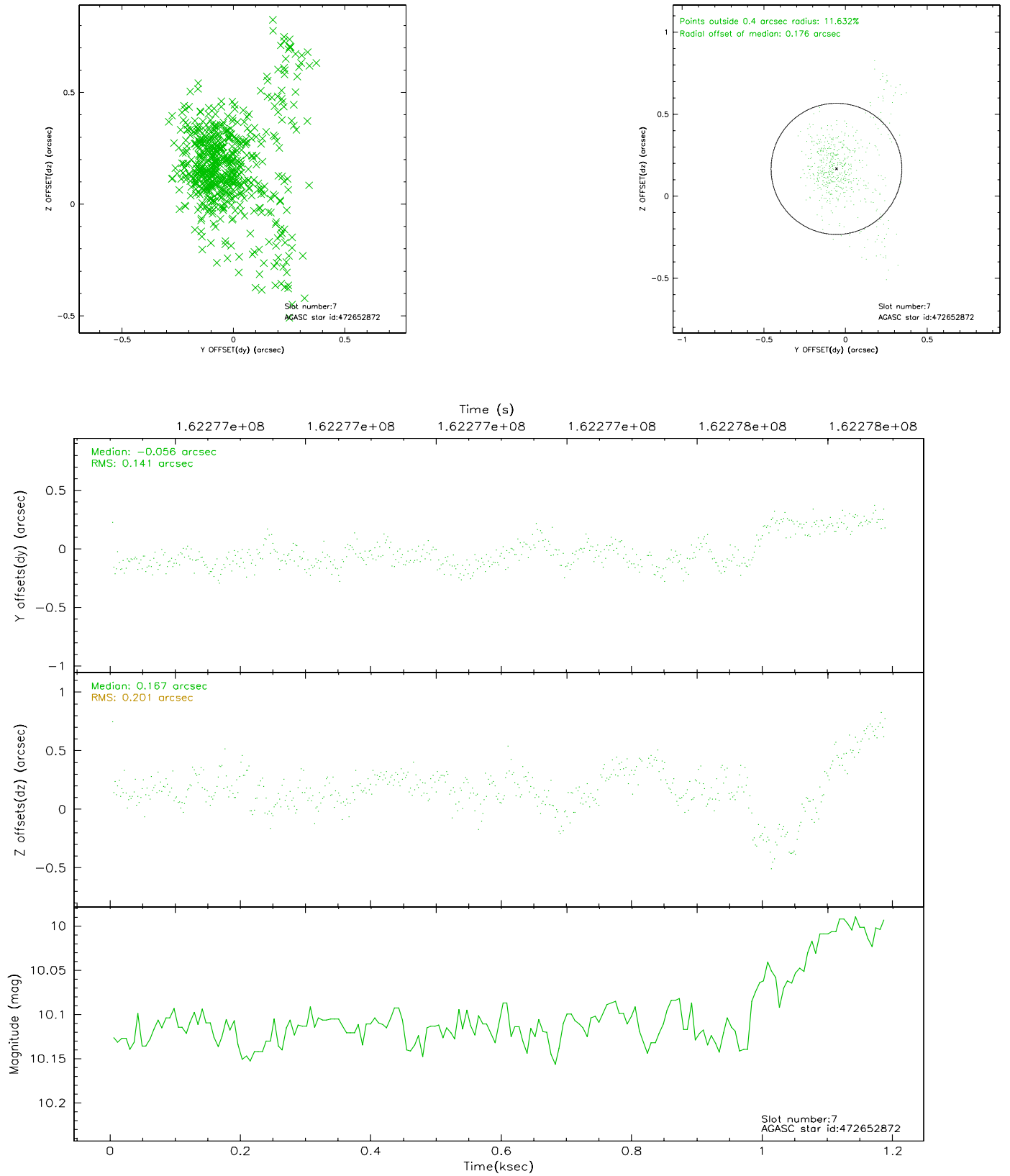
2.4.3 Slot 5



2.4.4 Slot 6

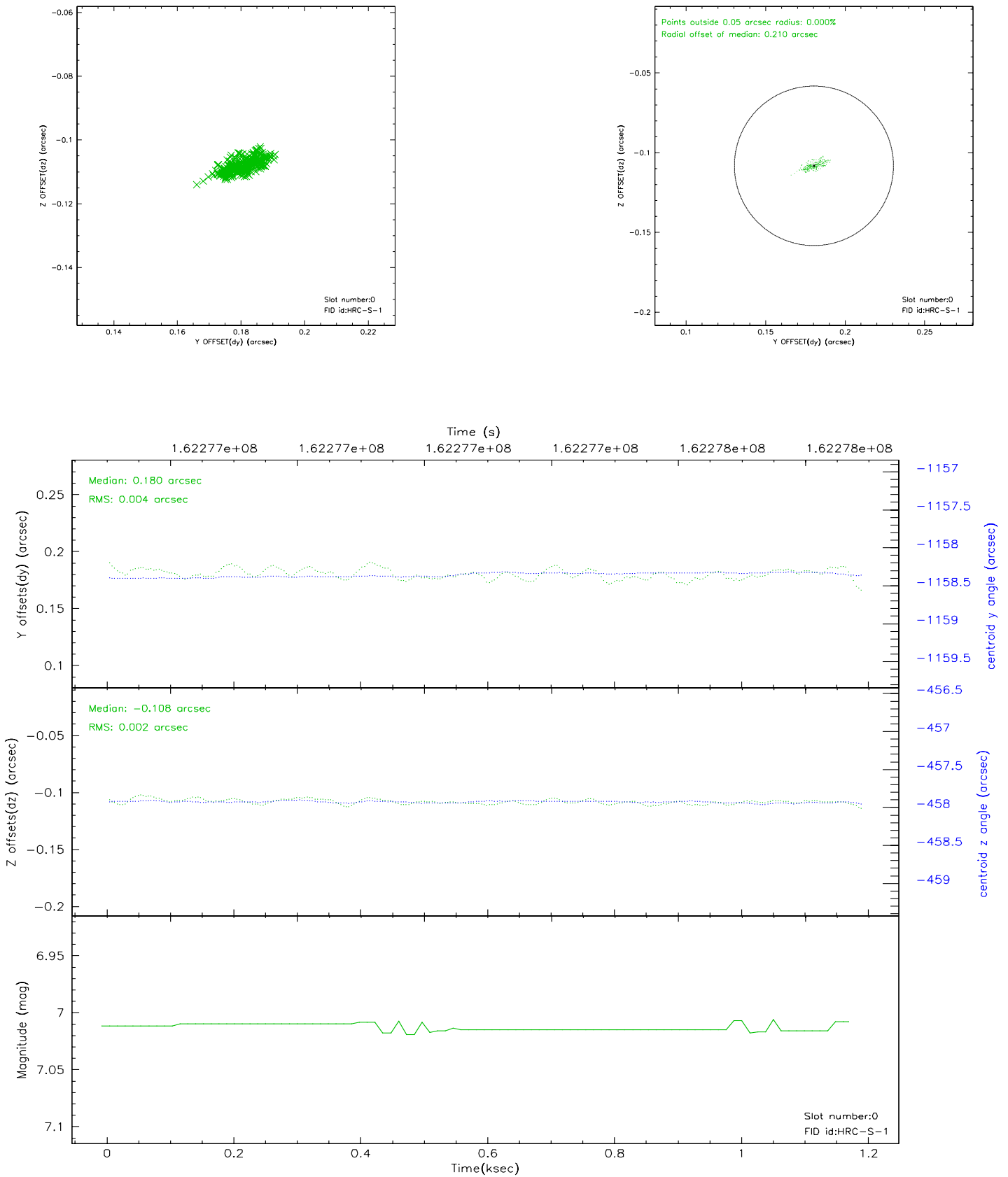


2.4.5 Slot 7

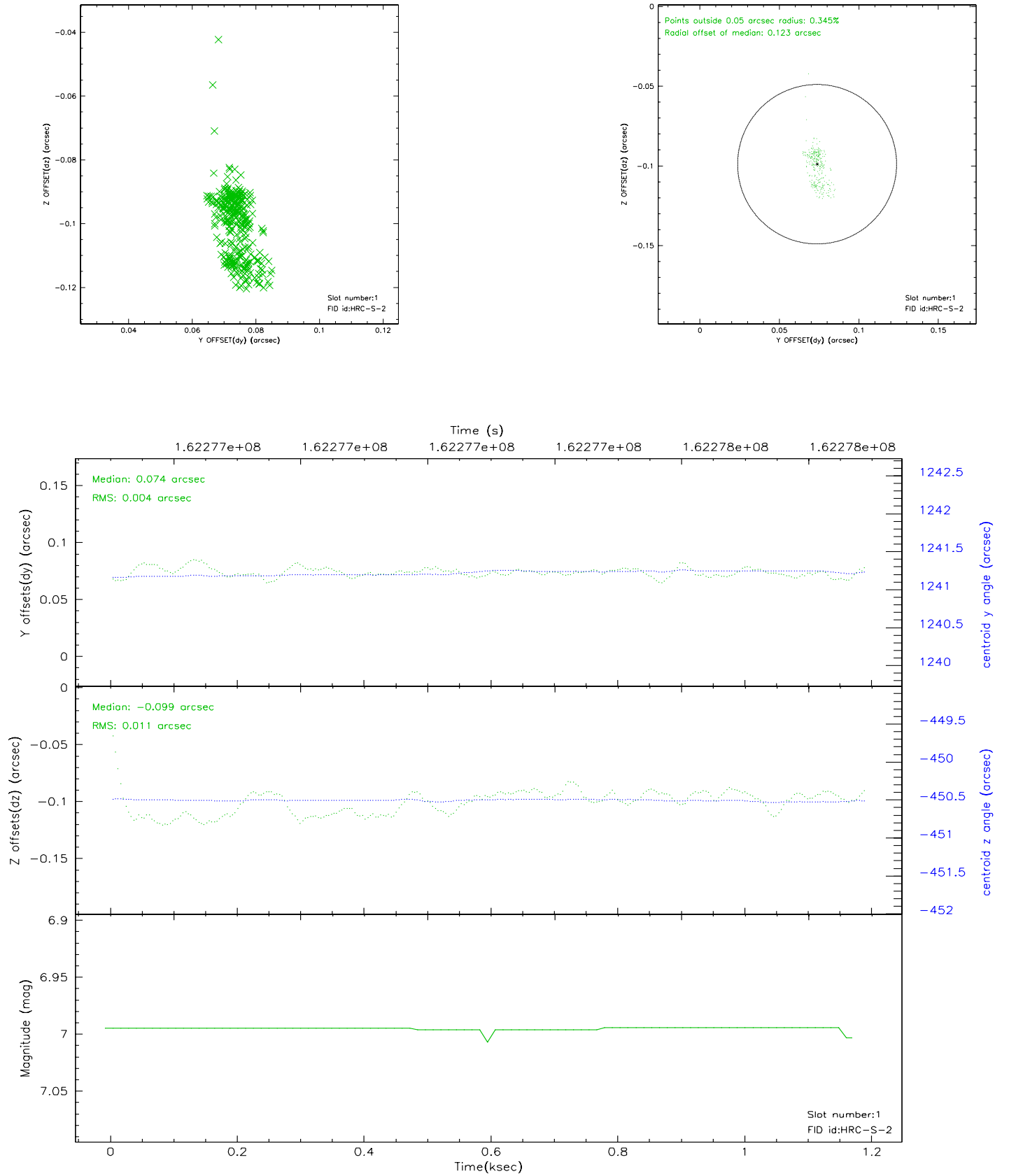


2.5 FID Slots

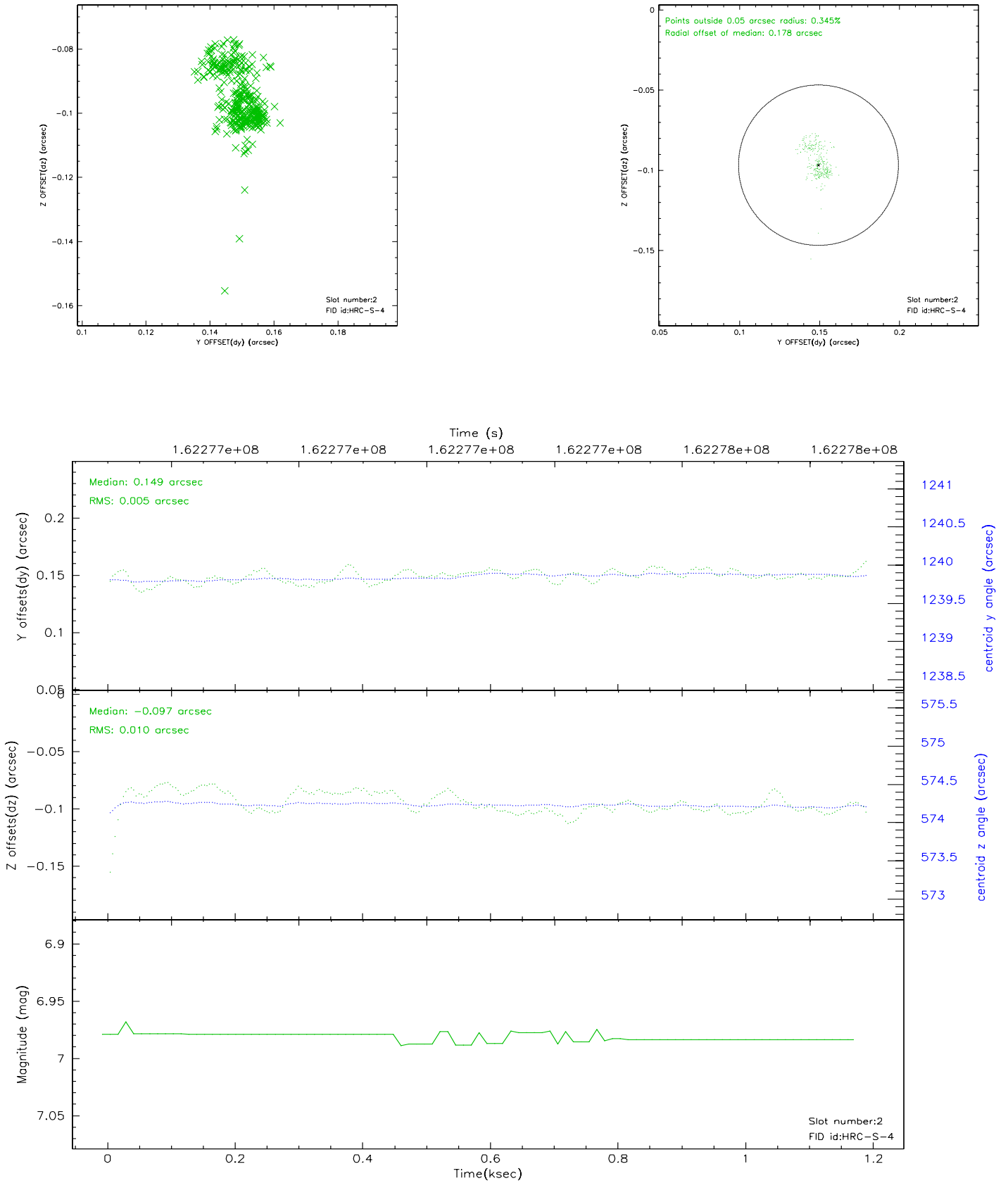
2.5.1 Slot 0



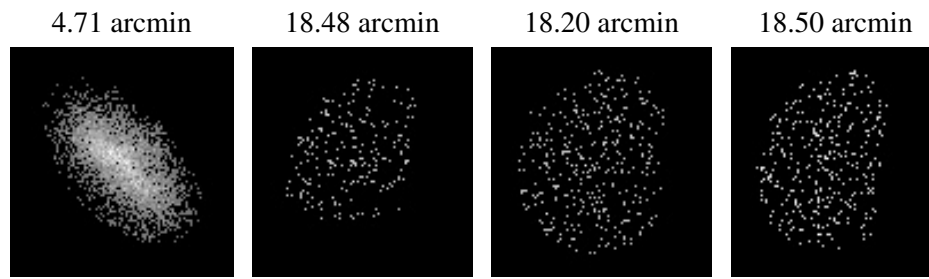
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.07.28 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.141 |

A.2 Comments

Monitor constraint not met, preceeds obs4349