

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6015 - L2 Version 002
Chandra X-Ray Center

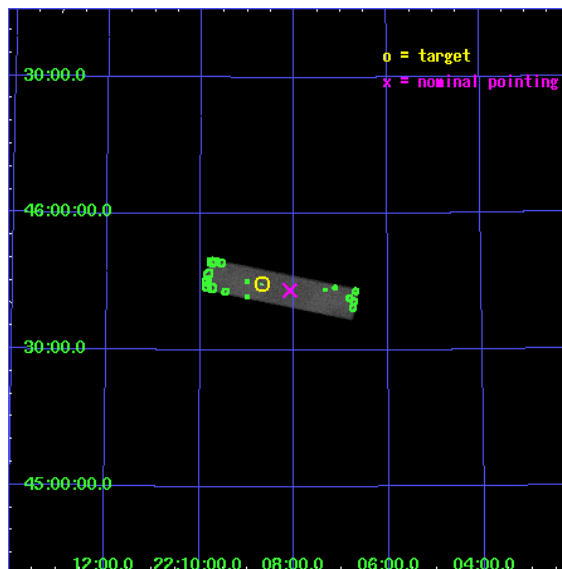
L2 Processing Date : Mar 23 2006

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1 Front

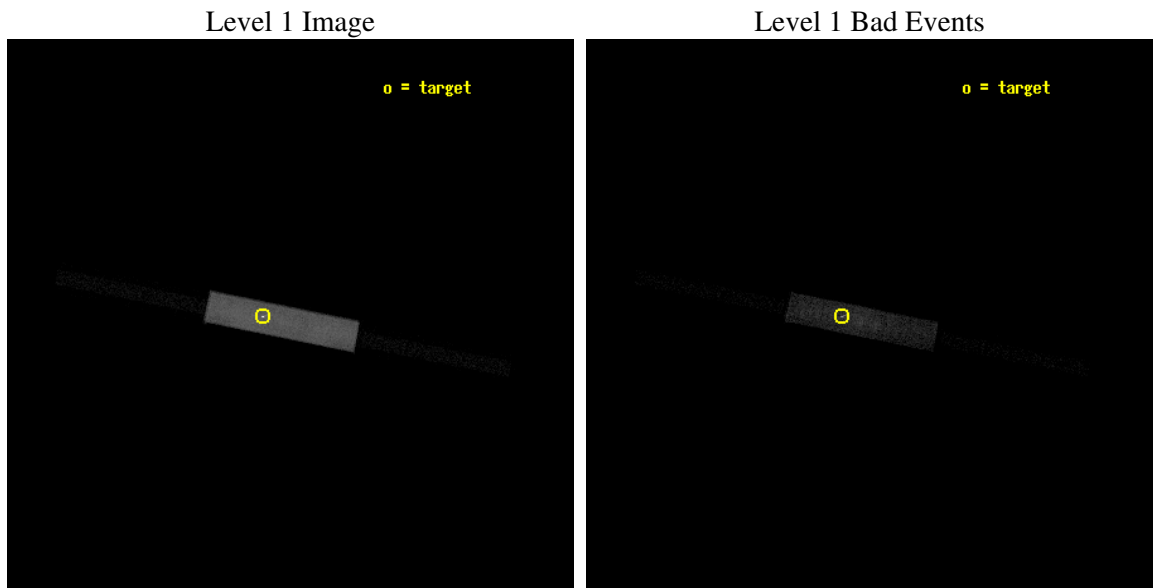
| | |
|----------|---|
| seq_num | 290507 |
| obs_id | 6015 |
| title | AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain |
| observer | Dr. CXC Calibration |
| object | ArLac |
| ra_targ | 332.17 |
| dec_targ | 45.742306 |
| ra_nom | 332.02277999334 |
| dec_nom | 45.720840336591 |
| roll_nom | 191.34796535338 |
| revision | 2 |
| ontime | 1153.3813029826 |
| livetime | 1140.5255461254 |
| l2events | 83360 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7.1 |
| caldbver | 3.2.1 |
| date | 2006-03-23T15:20:14 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 1000.000000 |
| ontime | 1182.0813043118 |
| l1events | 130075 |

2.1.3 Events

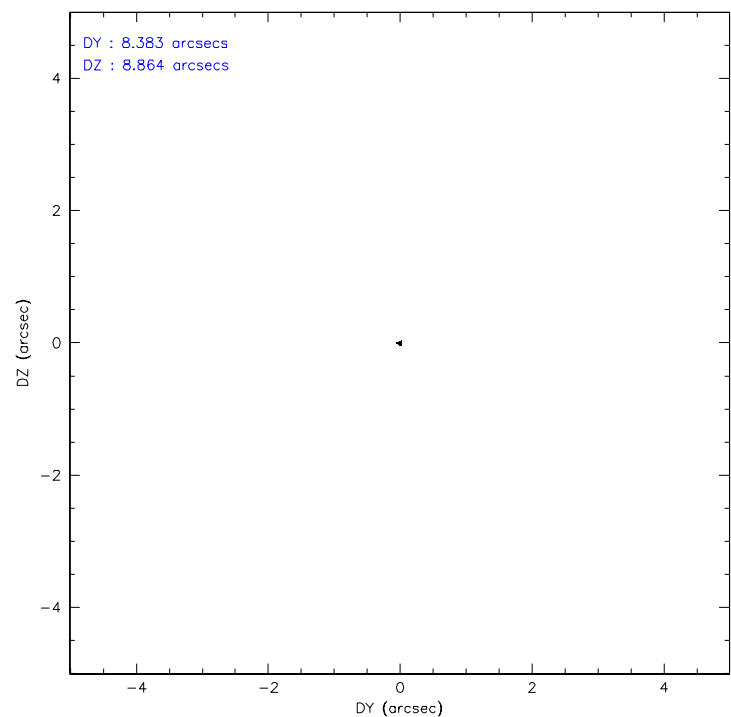
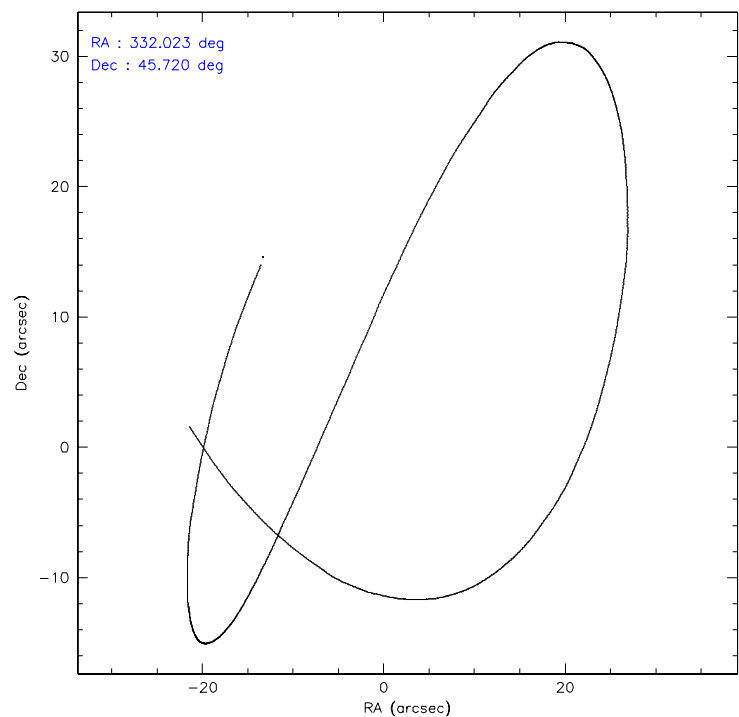
Level 1 Events

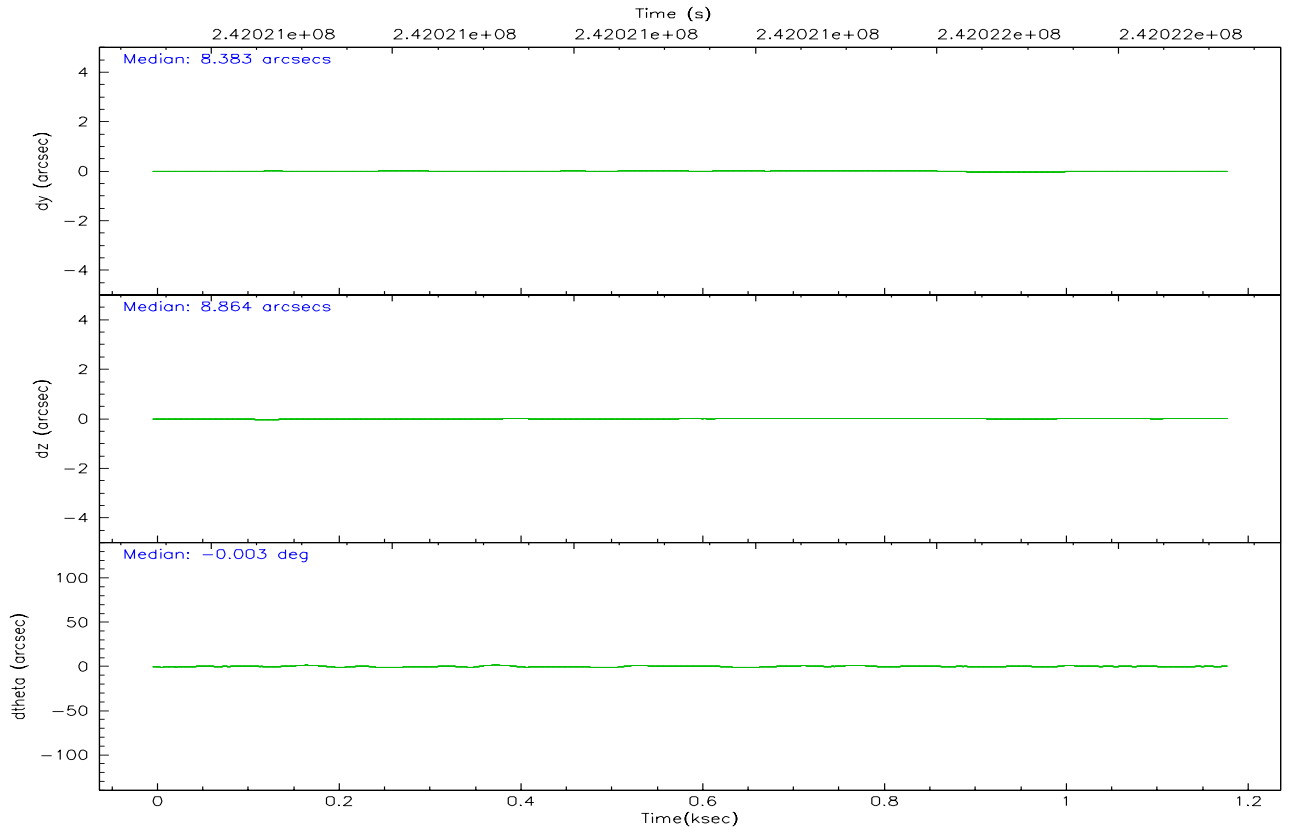
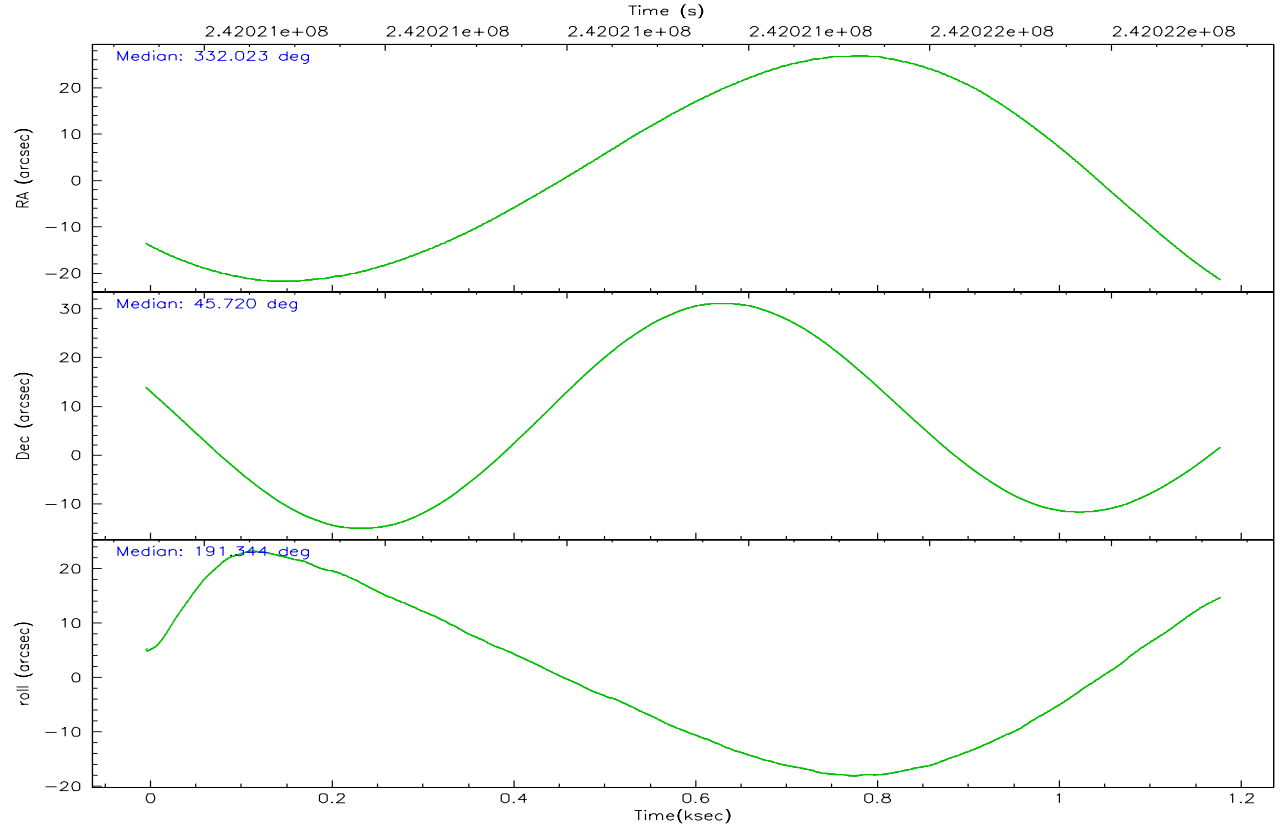
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 1767 | 126727 | 1581 |
| rejected events | 1767 | 39361 | 1564 |
| rejected % | 100% | 31% | 98% |

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 | 332.052256 | 332.0227799933364 | | | |
| Pointing Dec | 45.741988 | 45.72084033659093 | | | |
| Pointing Roll | 191.259506 | 191.3479653533754 | | | |
| 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 | 242020914.184000 | 242020538.23448 | | | |
| Observation start date | 2005-09-02T04:00:50 | 2005-09-02T03:55:38 | | | |
| Observation end time | 242021914.184000 | 242022048.05955 | | | |
| Observation end date | 2005-09-02T04:17:30 | 2005-09-02T04:20:48 | | | |

2.3 Aspect



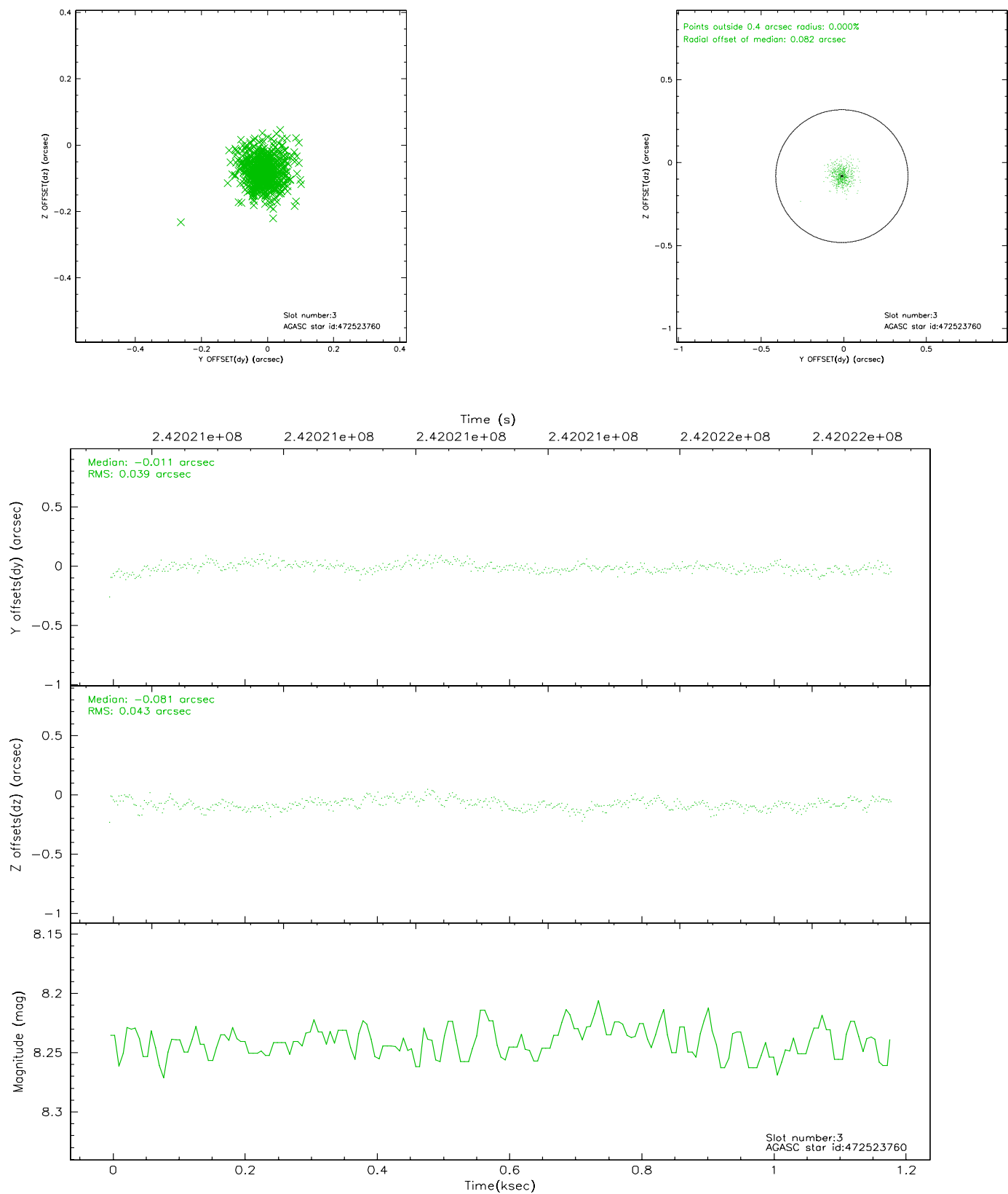


Slot Statistics

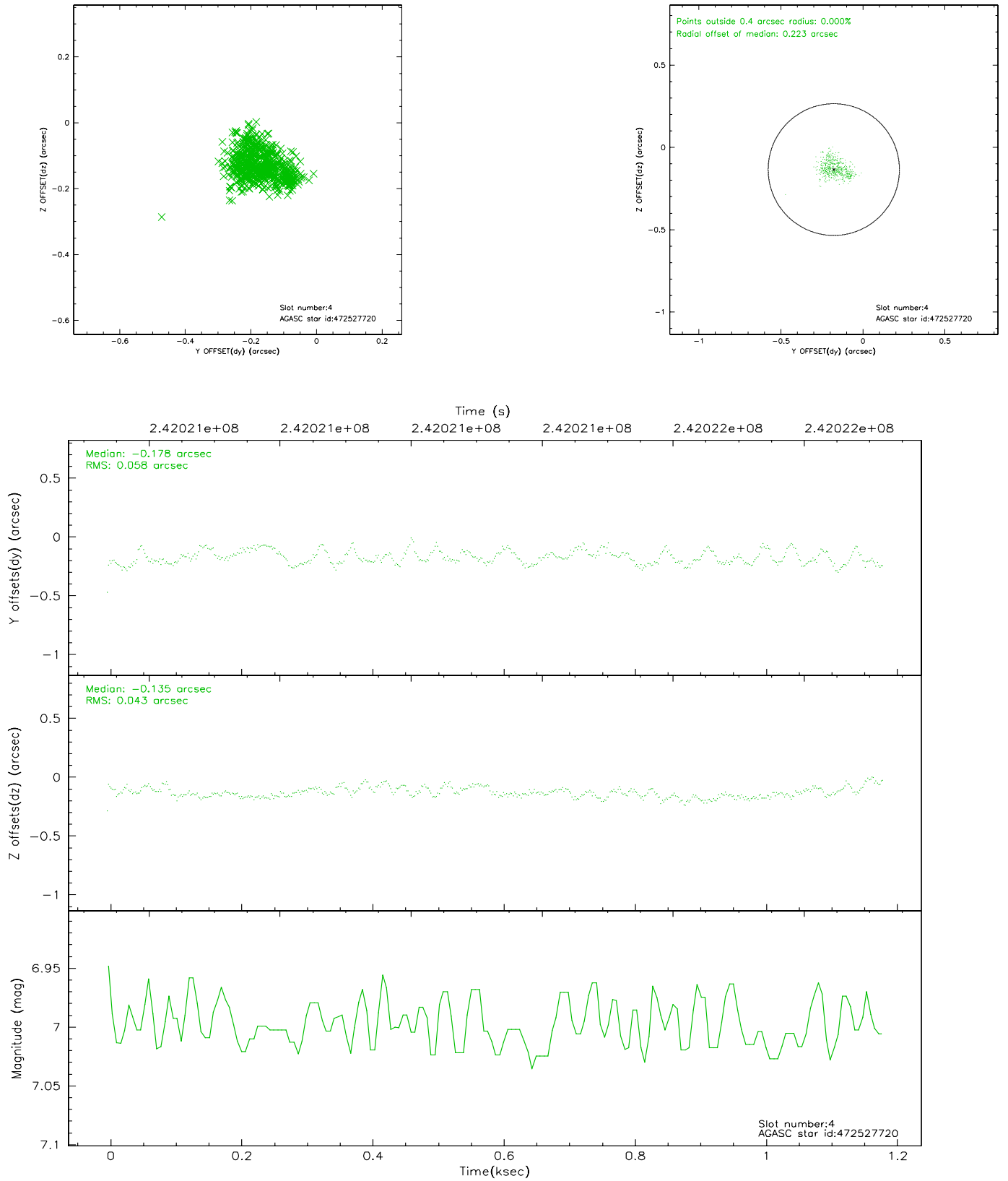
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 7.04 | 289 | 0.161 | -0.171 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1162.54 | -457.53 |
| 1 | FID | HRC-S-2 | 7.03 | 289 | 0.131 | -0.114 | 0.004 | 0.009 | 0.000000 | 0.000000 | 1233.09 | -451.70 |
| 2 | FID | HRC-S-3 | 7.04 | 289 | 0.098 | -0.017 | 0.007 | 0.011 | 0.000000 | 0.000000 | -1161.05 | 570.59 |
| 3 | GUIDE | 472523760 | 8.24 | 578 | -0.011 | -0.081 | 0.061 | 0.105 | 331.645363 | 45.403260 | 1245.33 | 988.56 |
| 4 | GUIDE | 472527720 | 7.00 | 578 | -0.178 | -0.135 | 0.078 | 0.119 | 331.460205 | 45.112509 | 1917.59 | 1921.08 |
| 5 | GUIDE | 472535576 | 7.86 | 578 | -0.173 | 0.146 | 0.058 | 0.092 | 331.438373 | 46.291802 | 1112.49 | -2245.70 |
| 6 | GUIDE | 472655152 | 9.43 | 578 | 0.123 | 0.044 | 0.103 | 0.175 | 332.504239 | 45.862991 | -1195.85 | -217.06 |
| 7 | GUIDE | 472665256 | 9.01 | 577 | 0.230 | 0.014 | 0.079 | 0.126 | 332.808125 | 46.195041 | -2170.19 | -1245.20 |

2.4 Star Slots

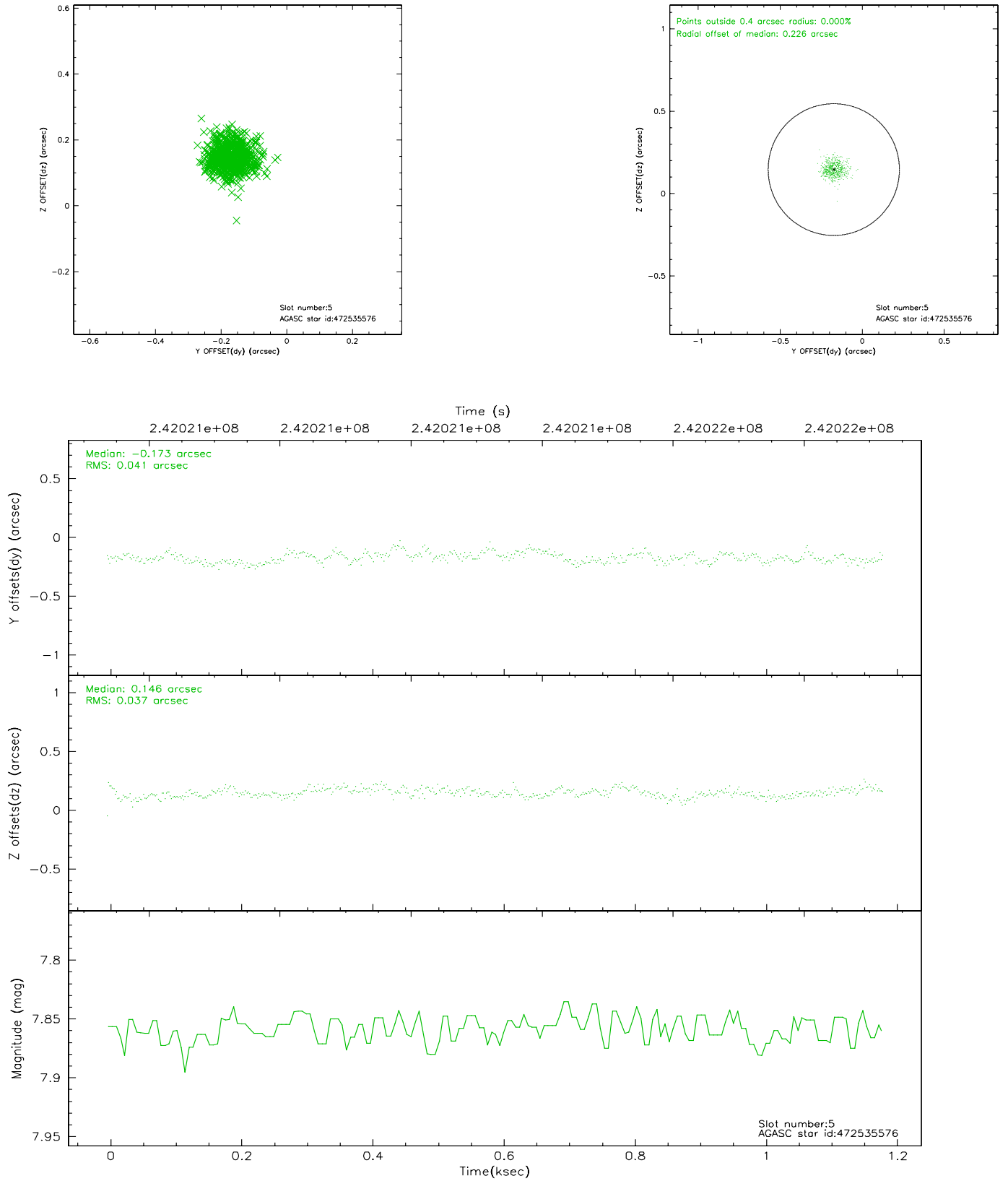
2.4.1 Slot 3



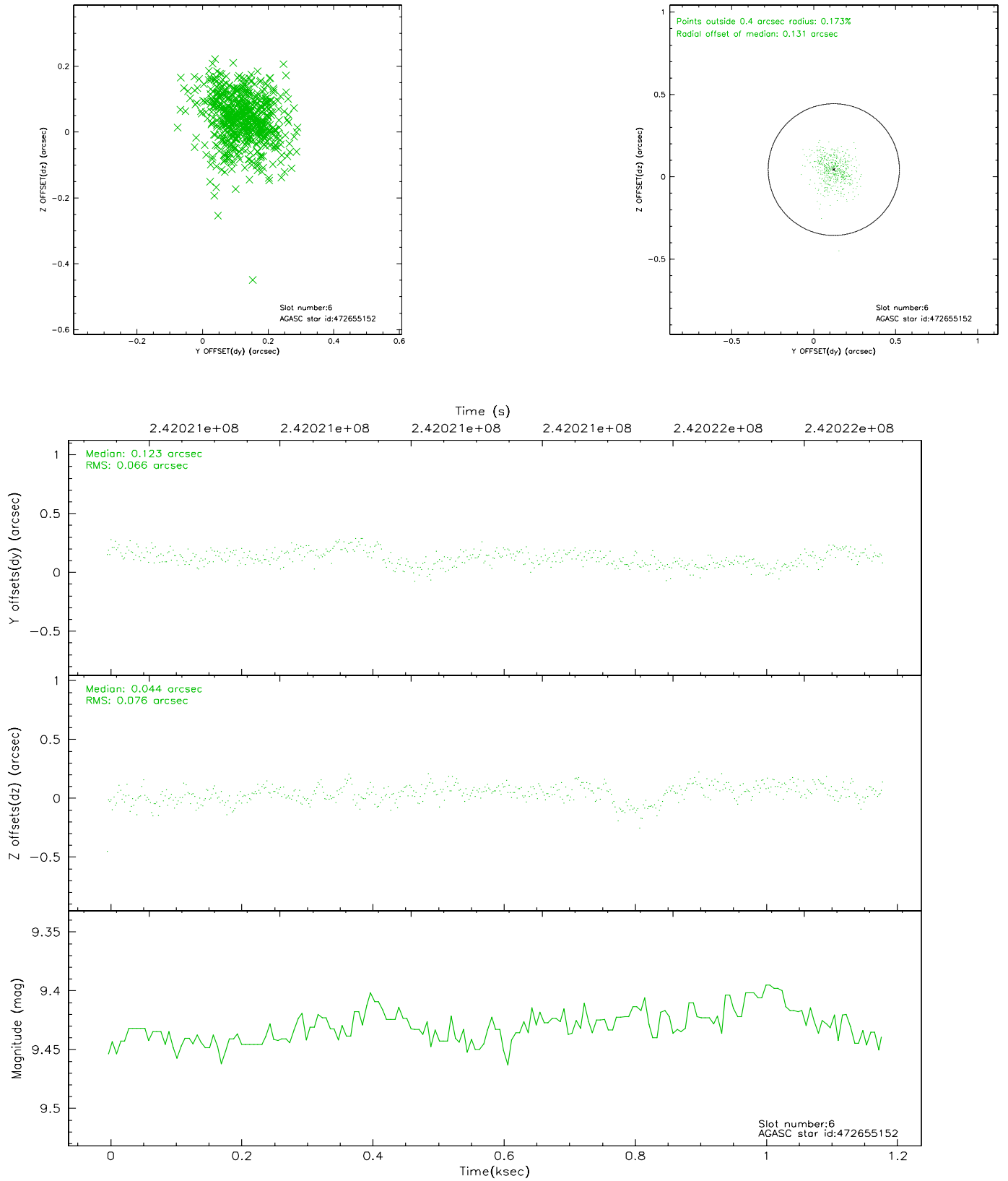
2.4.2 Slot 4



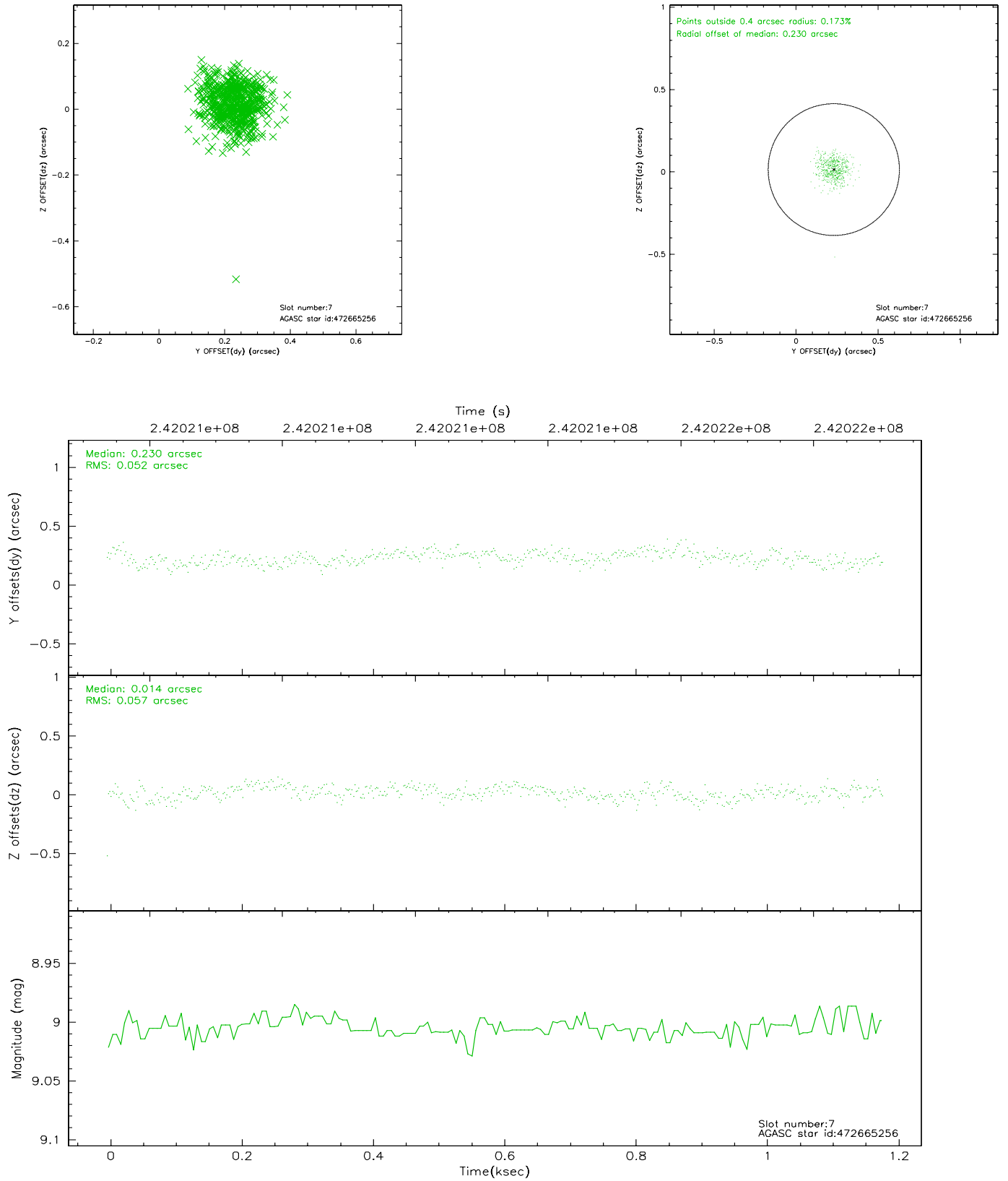
2.4.3 Slot 5



2.4.4 Slot 6

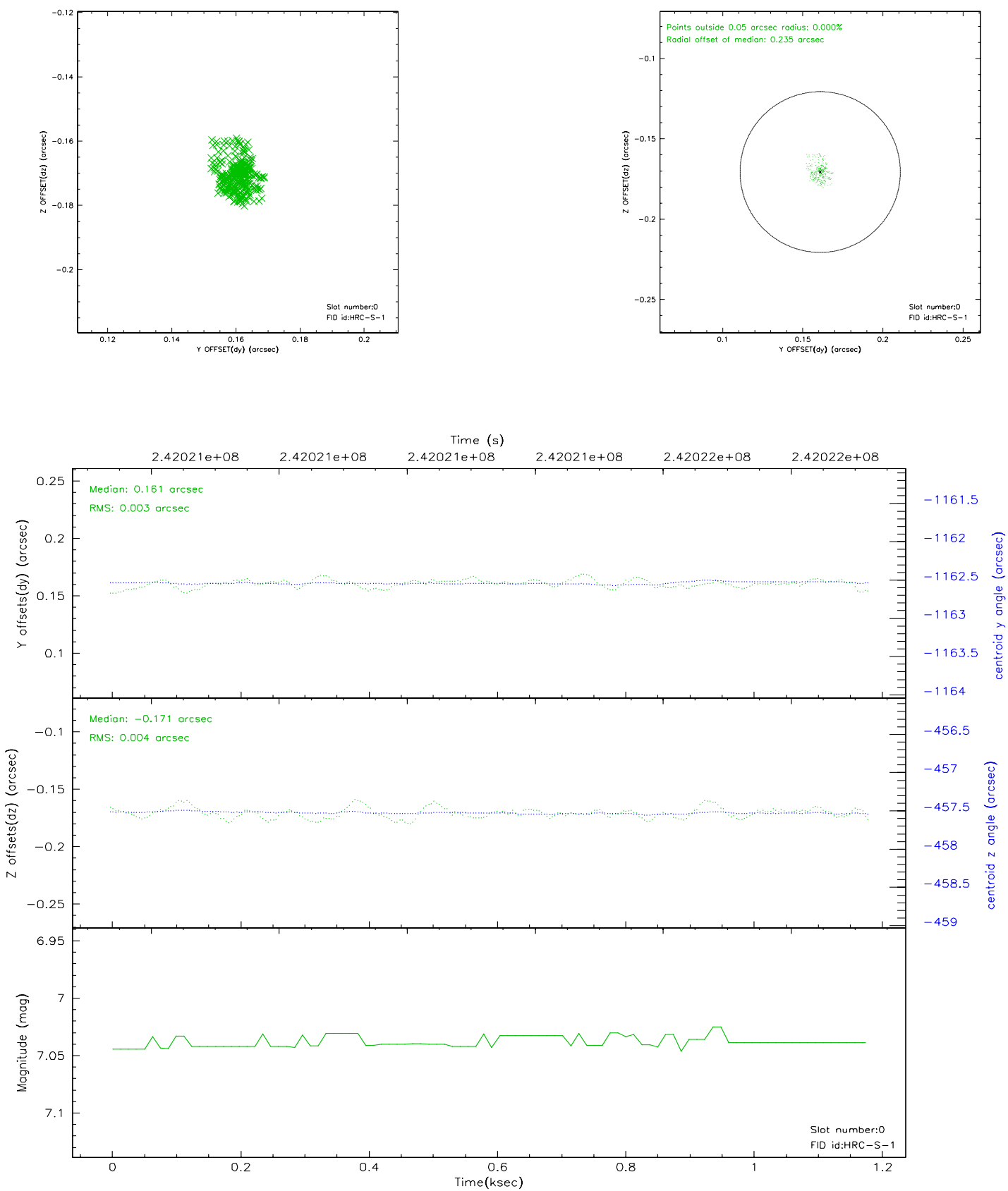


2.4.5 Slot 7

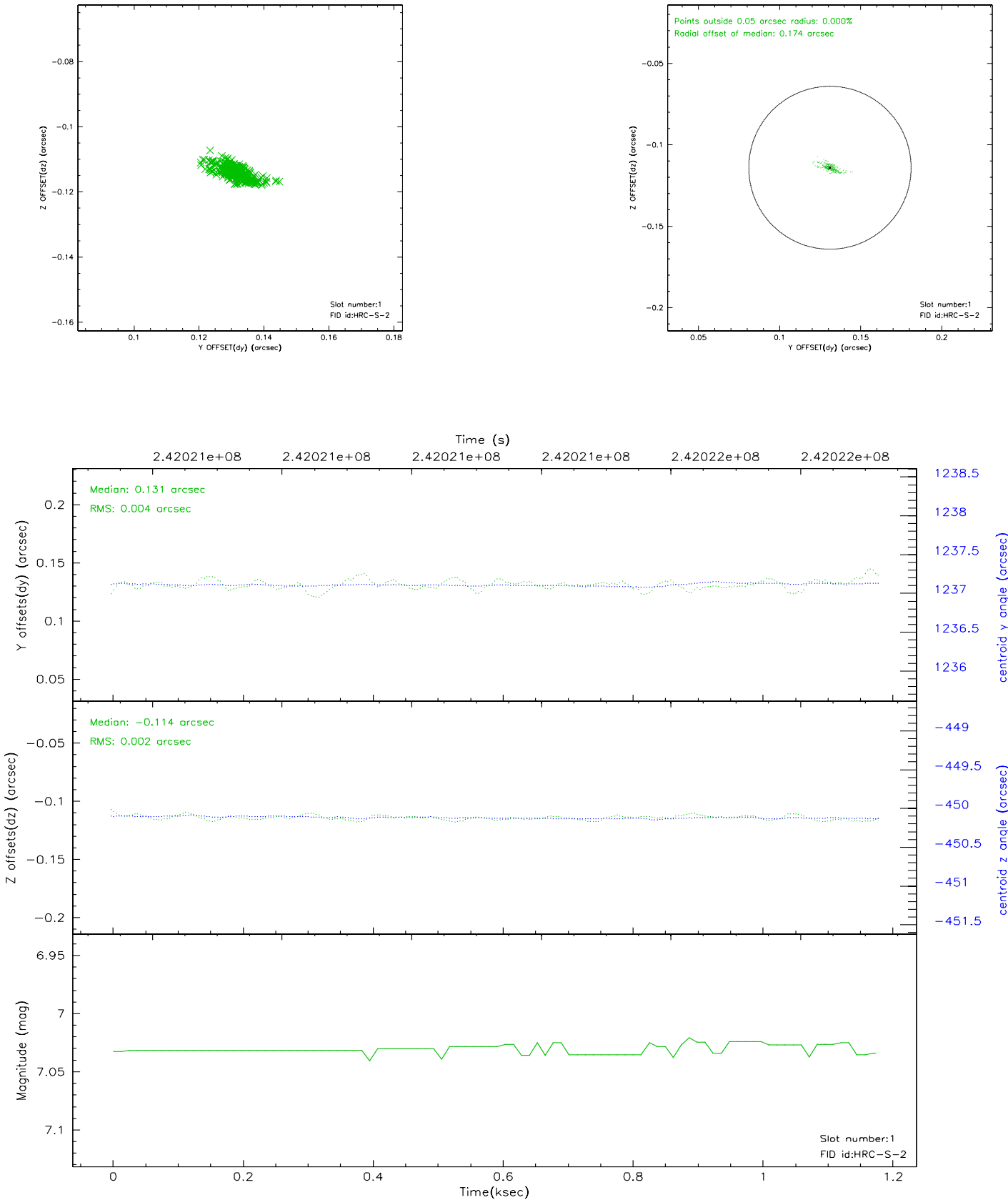


2.5 FID Slots

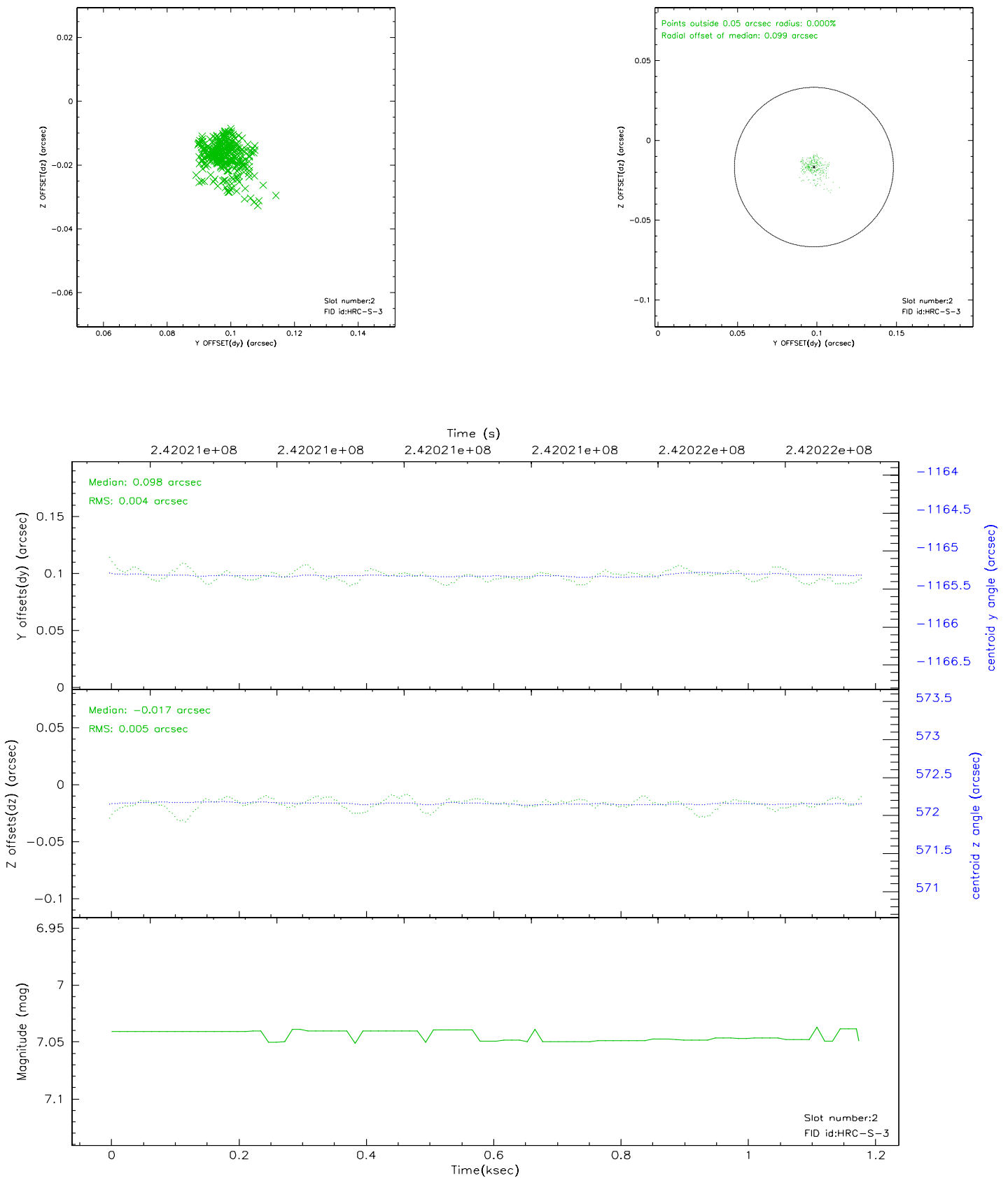
2.5.1 Slot 0



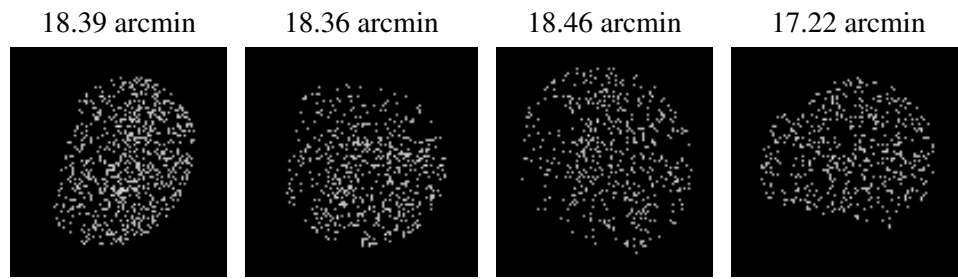
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.03.23 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.153381 |

A.2 Comments