

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4340 - L2 Version 001
Chandra X-Ray Center

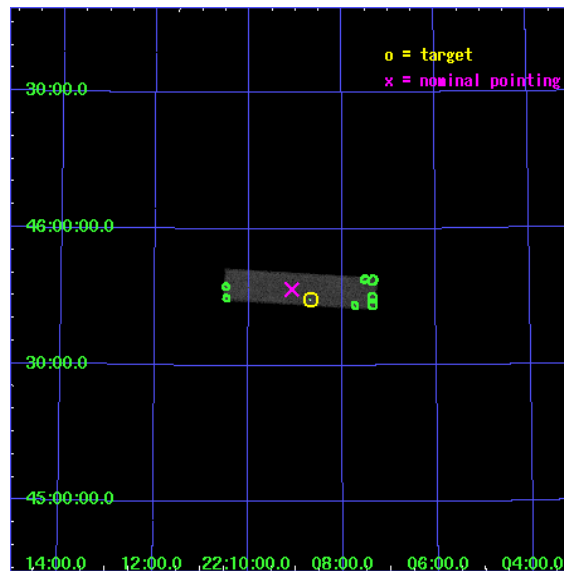
L2 Processing Date : Jul 27 2006

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1 Front

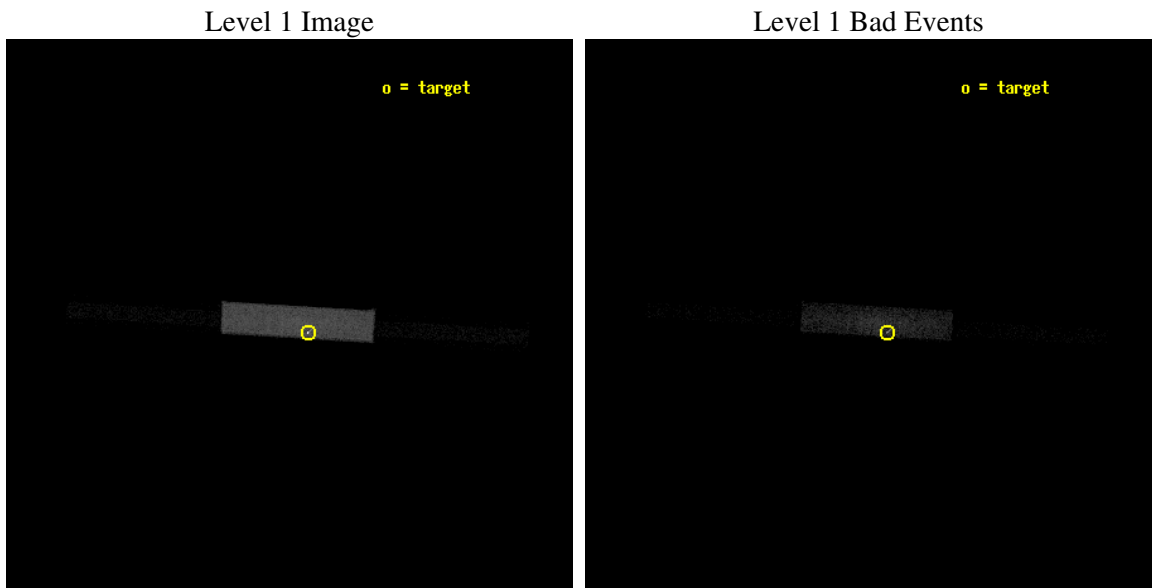
| | |
|----------|---|
| seq_num | 290300 |
| obs_id | 4340 |
| title | AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN |
| observer | Dr. CXC Calibration |
| object | ARLAC |
| ra_targ | 332.17 |
| dec_targ | 45.742306 |
| ra_nom | 332.26926416627 |
| dec_nom | 45.779969061722 |
| roll_nom | 3.3489819953608 |
| revision | 2 |
| ontime | 1141.0812980235 |
| livetime | 1135.1048889197 |
| l2events | 39661 |



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 | 2006-07-27T20:21:10 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 1000.000000 |
| ontime | 1184.9000498652 |
| l1events | 68556 |

2.1.3 Events

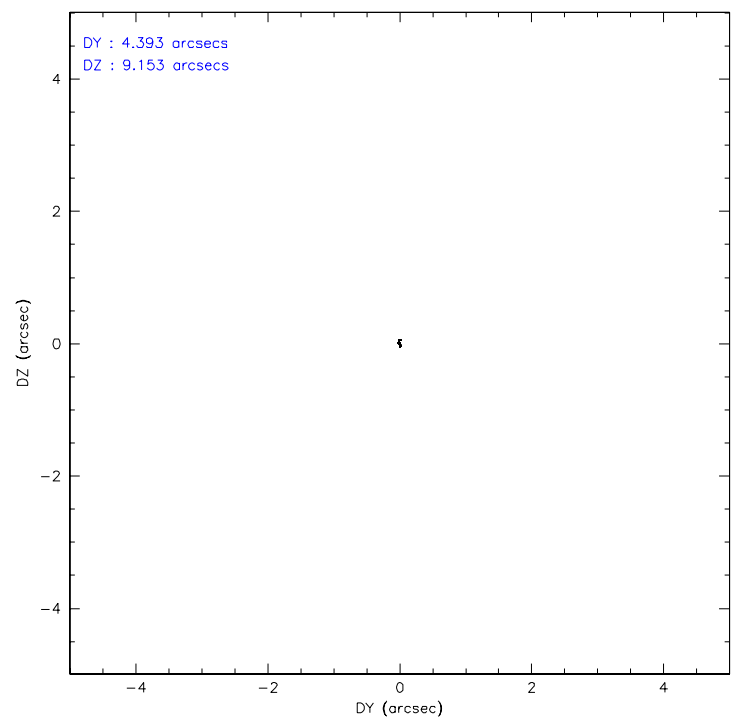
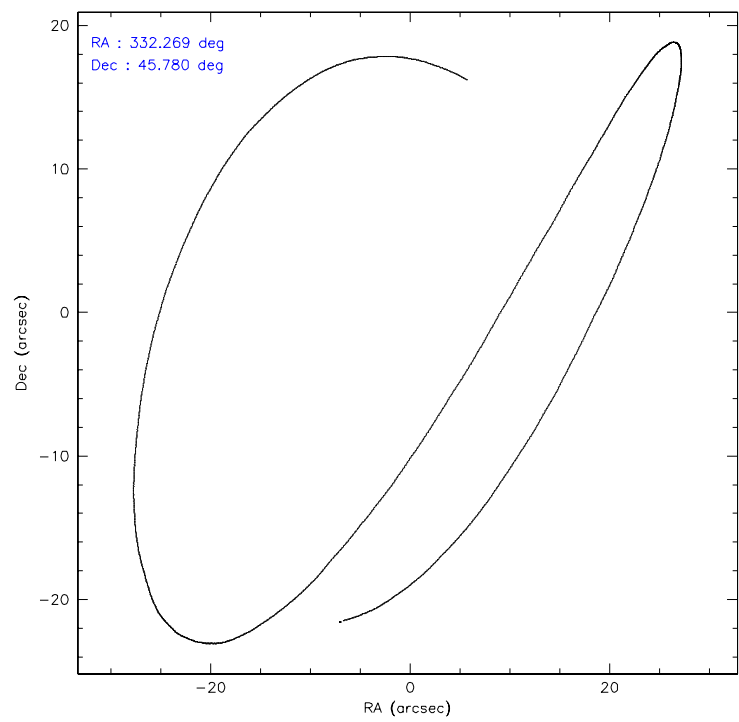
Level 1 Events

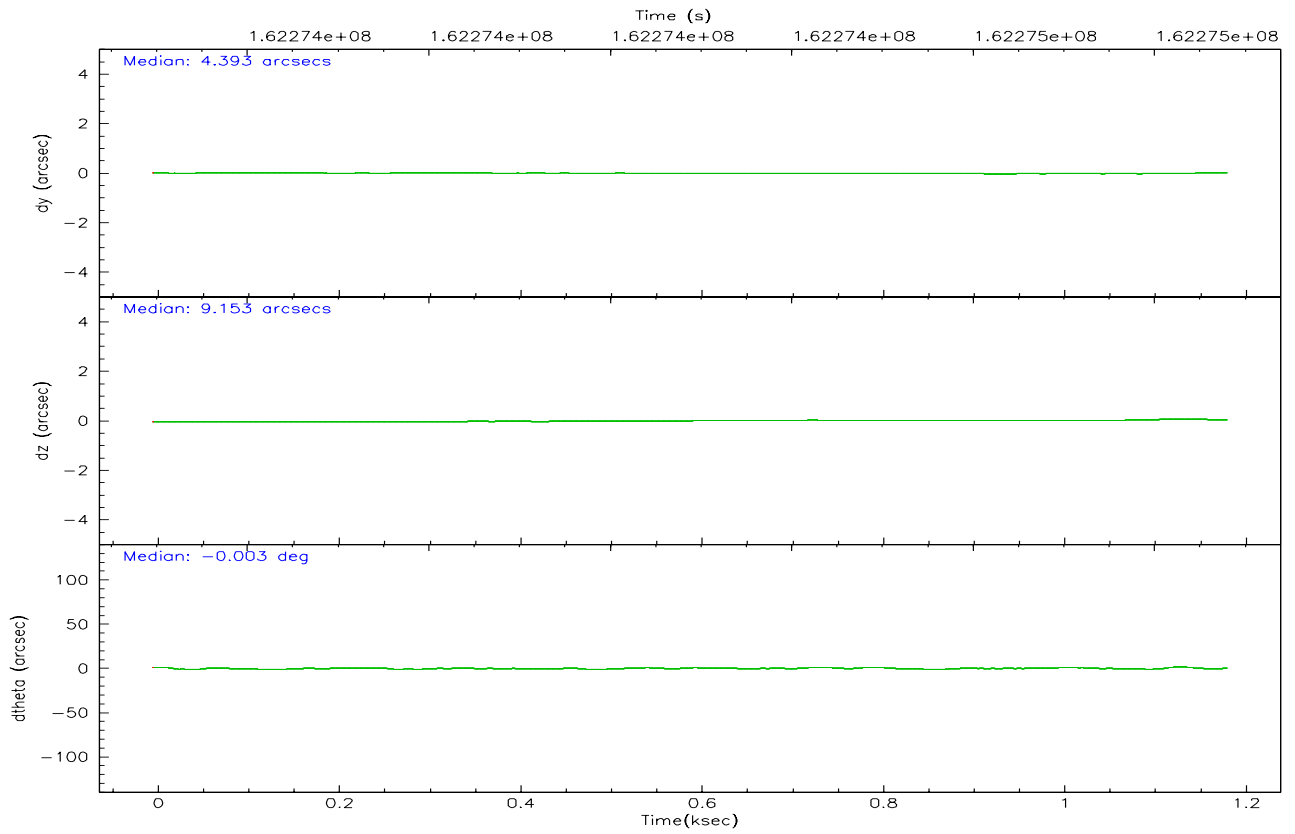
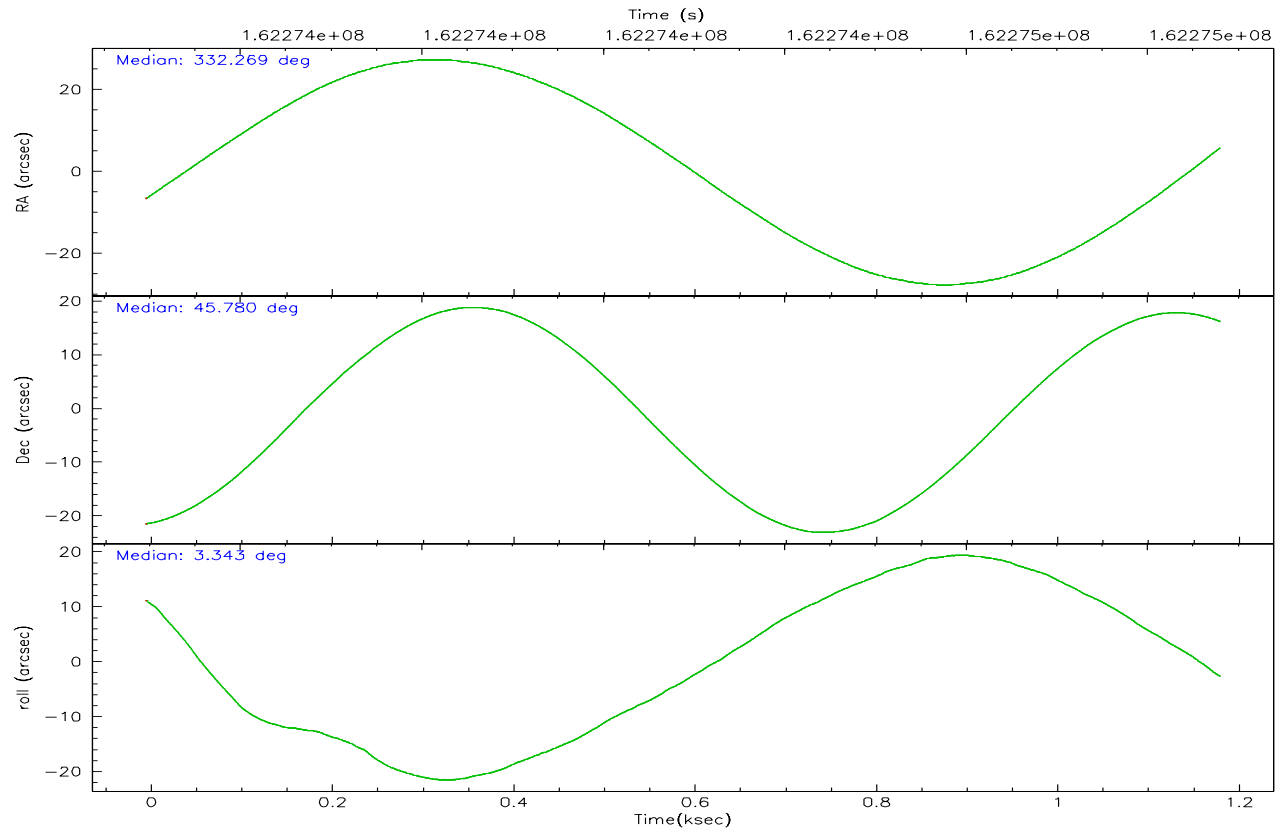
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 1268 | 66099 | 1189 |
| rejected events | 1268 | 23646 | 1189 |
| rejected % | 100% | 35% | 100% |

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 | 332.236256 | 332.2692641662745 | | | |
| Pointing Dec | 45.762687 | 45.77996906172187 | | | |
| Pointing Roll | 3.305308 | 3.348981995360794 | | | |
| 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 | 162273875.184000 | 162273499.58121 | | | |
| Observation start date | 2003-02-22T04:03:31 | 2003-02-22T03:58:19 | | | |
| Observation end time | 162274875.184000 | 162275009.91878 | | | |
| Observation end date | 2003-02-22T04:20:11 | 2003-02-22T04:23:29 | | | |

2.3 Aspect



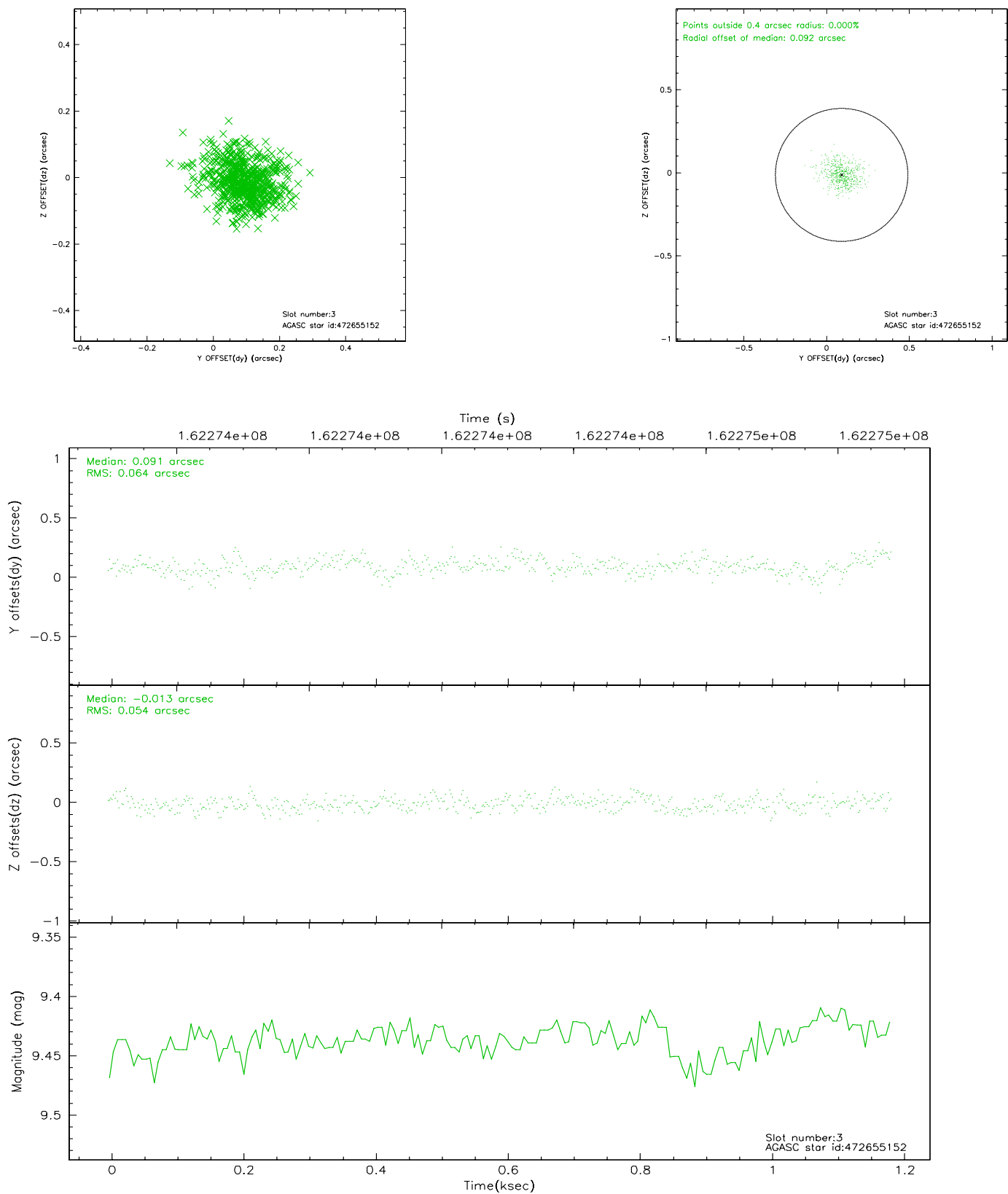


Slot Statistics

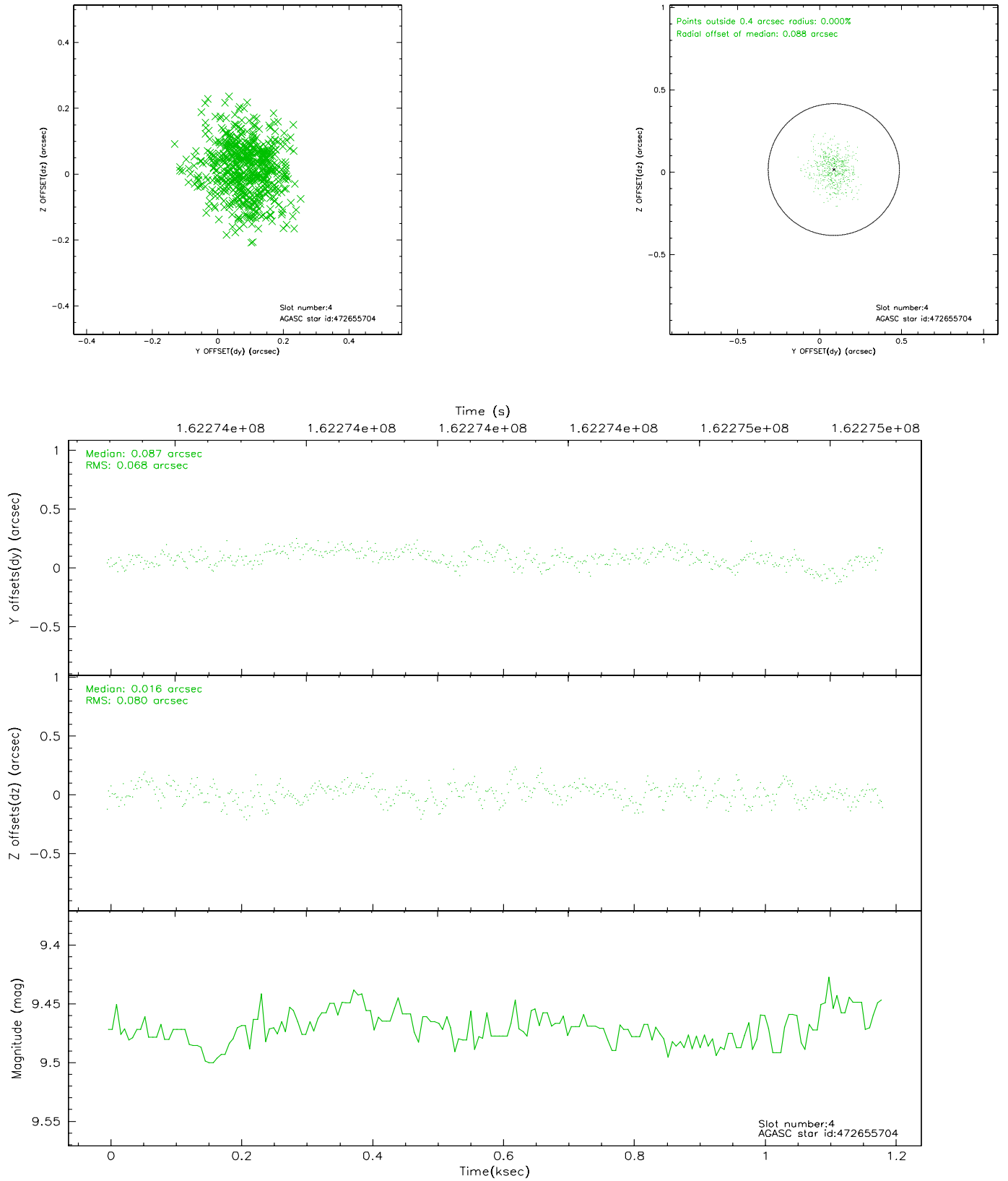
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 7.02 | 290 | 0.161 | -0.177 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1158.44 | -457.80 |
| 1 | FID | HRC-S-2 | 7.01 | 290 | 0.062 | -0.085 | 0.005 | 0.008 | 0.000000 | 0.000000 | 1237.15 | -451.96 |
| 2 | FID | HRC-S-3 | 7.03 | 290 | 0.167 | -0.040 | 0.007 | 0.012 | 0.000000 | 0.000000 | -1156.88 | 570.30 |
| 3 | GUIDE | 472655152 | 9.44 | 579 | 0.091 | -0.013 | 0.091 | 0.145 | 332.504239 | 45.862991 | 691.90 | 321.72 |
| 4 | GUIDE | 472655704 | 9.47 | 579 | 0.087 | 0.016 | 0.113 | 0.182 | 332.167195 | 45.285228 | -272.03 | -1706.49 |
| 5 | GUIDE | 472659832 | 9.46 | 579 | 0.009 | 0.061 | 0.093 | 0.155 | 332.780399 | 46.098139 | 1425.66 | 1128.02 |
| 6 | GUIDE | 472527720 | 6.99 | 579 | -0.177 | -0.067 | 0.064 | 0.101 | 331.460205 | 45.112509 | -2100.06 | -2213.19 |
| 7 | GUIDE | 472533912 | 9.18 | 578 | -0.028 | -0.013 | 0.113 | 0.183 | 331.791136 | 46.368695 | -981.61 | 2239.73 |

2.4 Star Slots

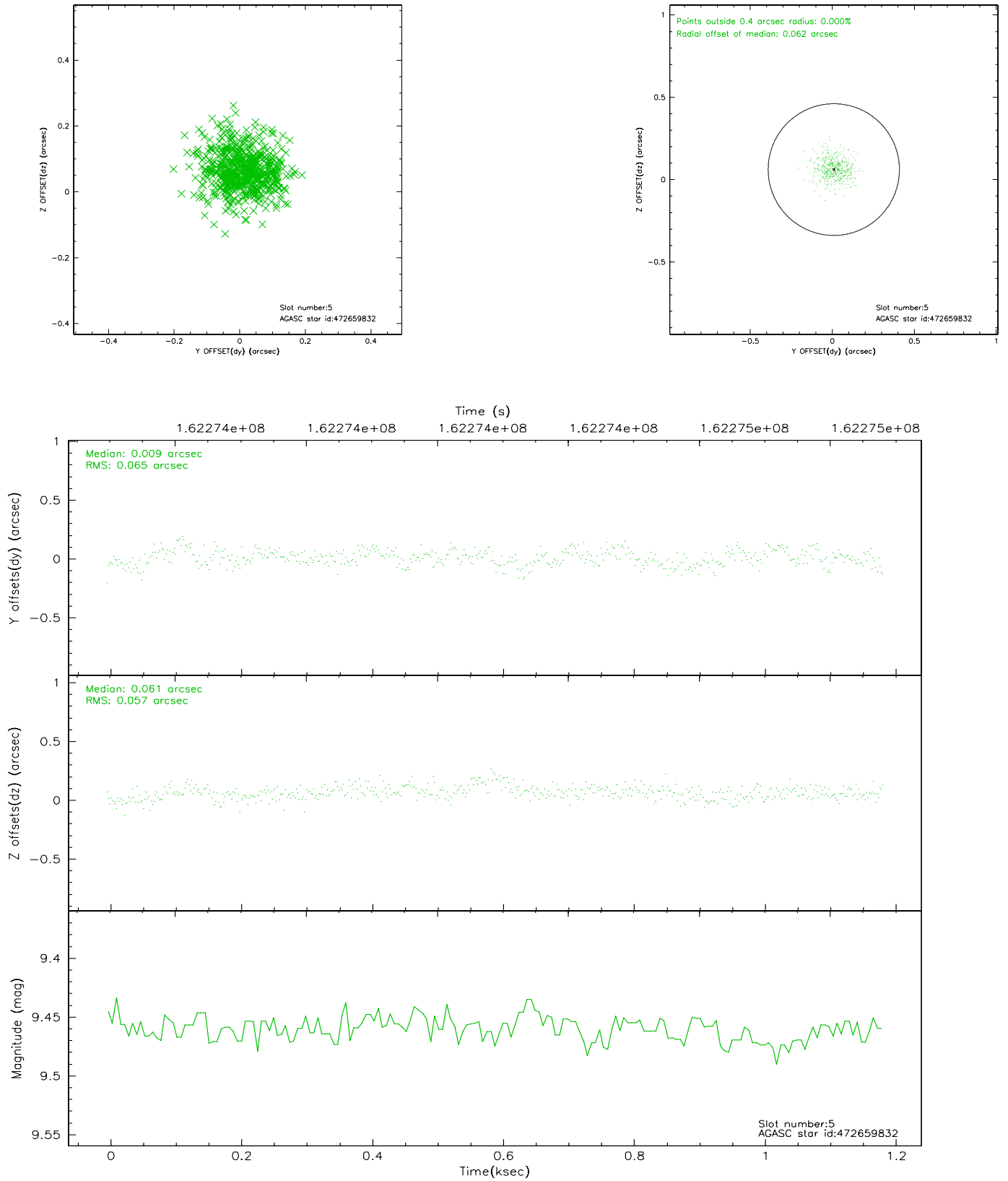
2.4.1 Slot 3



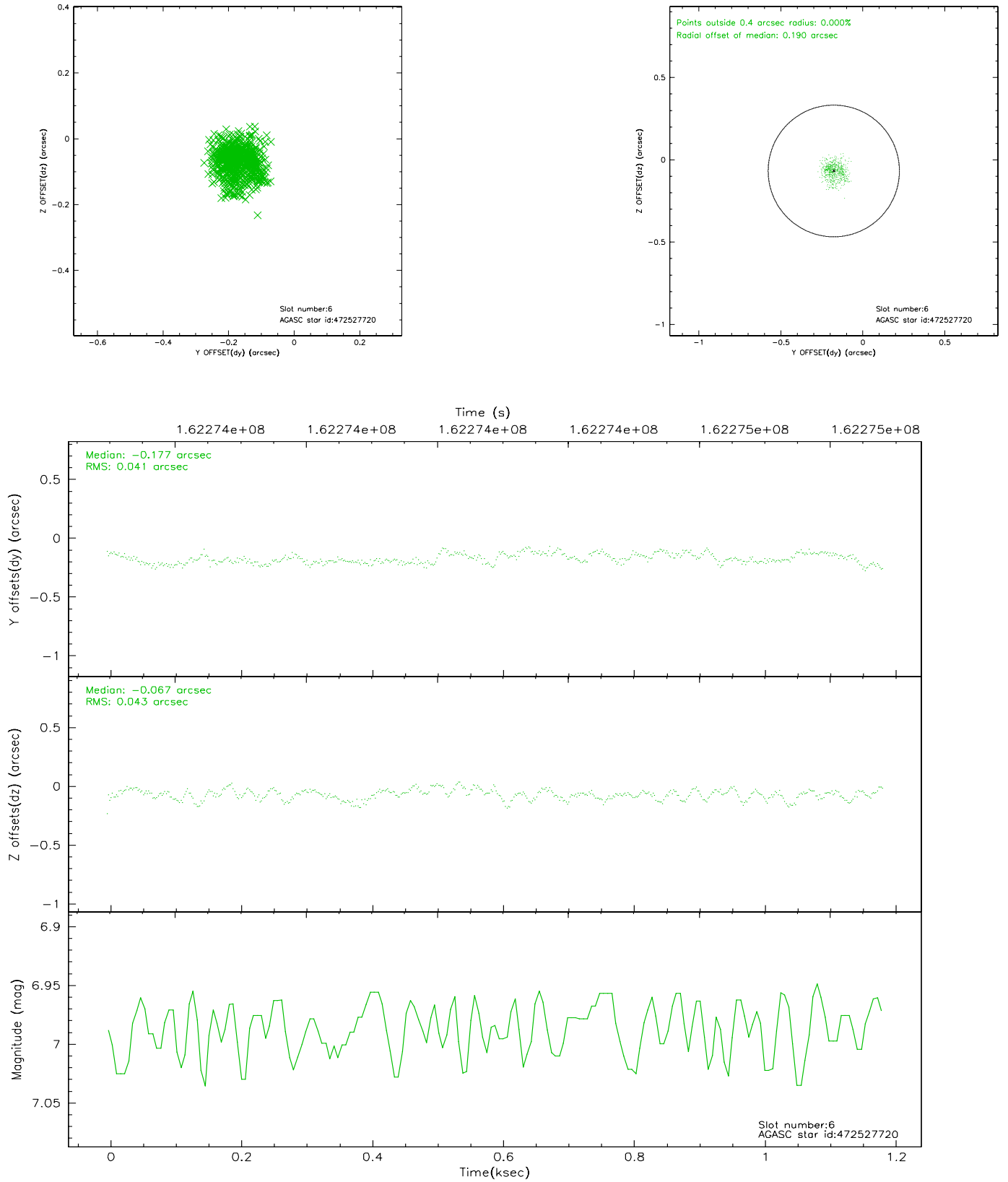
2.4.2 Slot 4



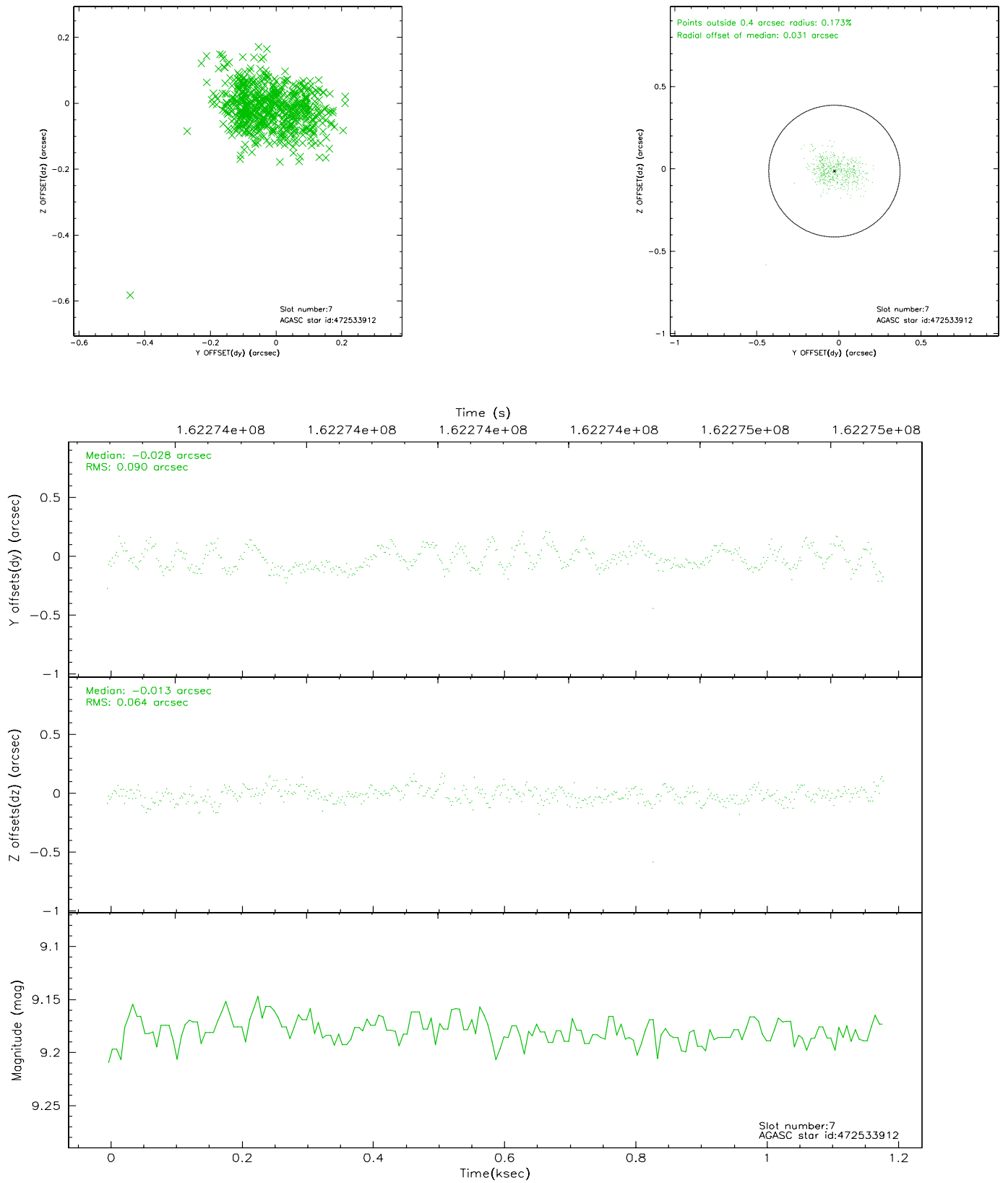
2.4.3 Slot 5



2.4.4 Slot 6

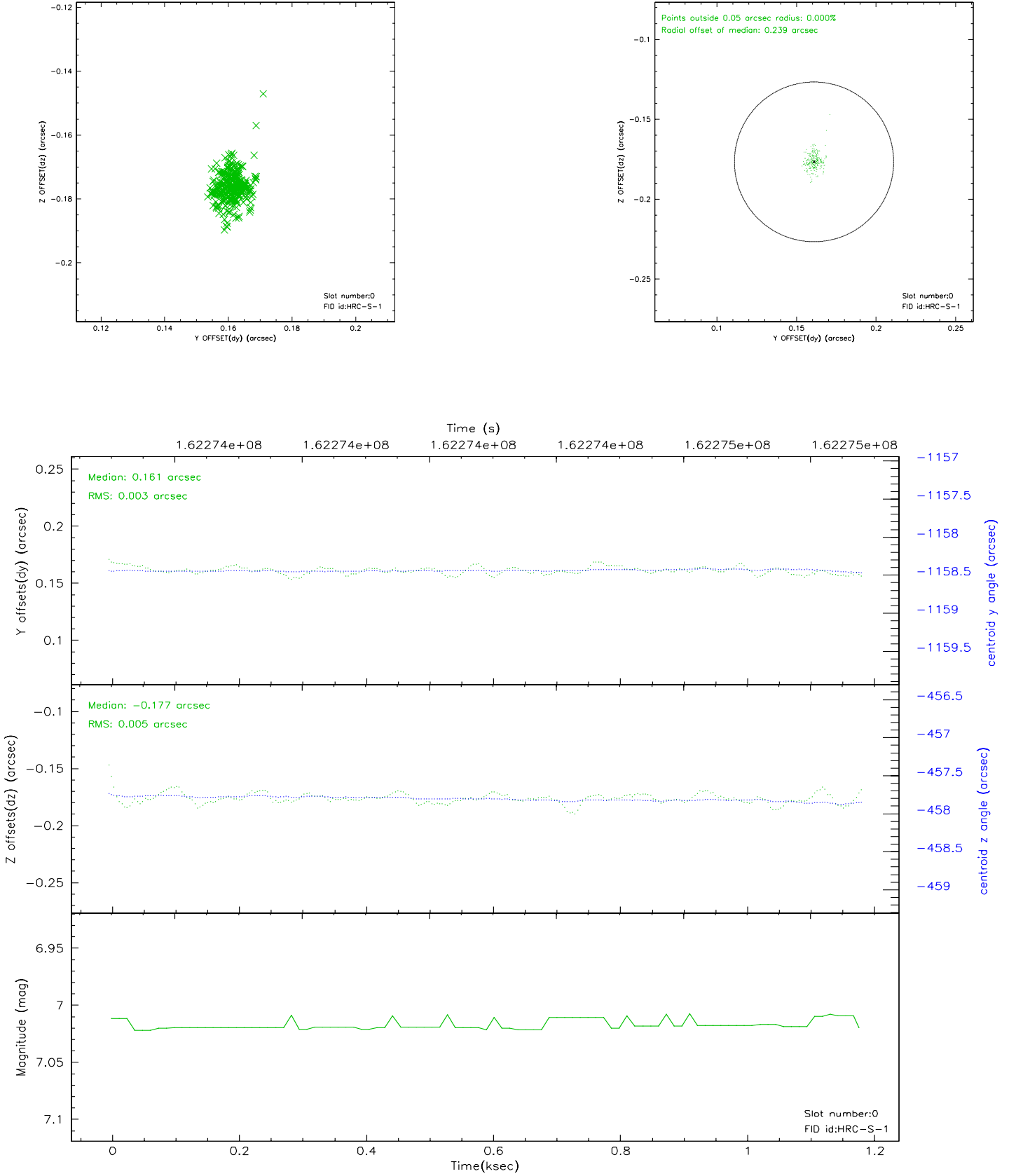


2.4.5 Slot 7

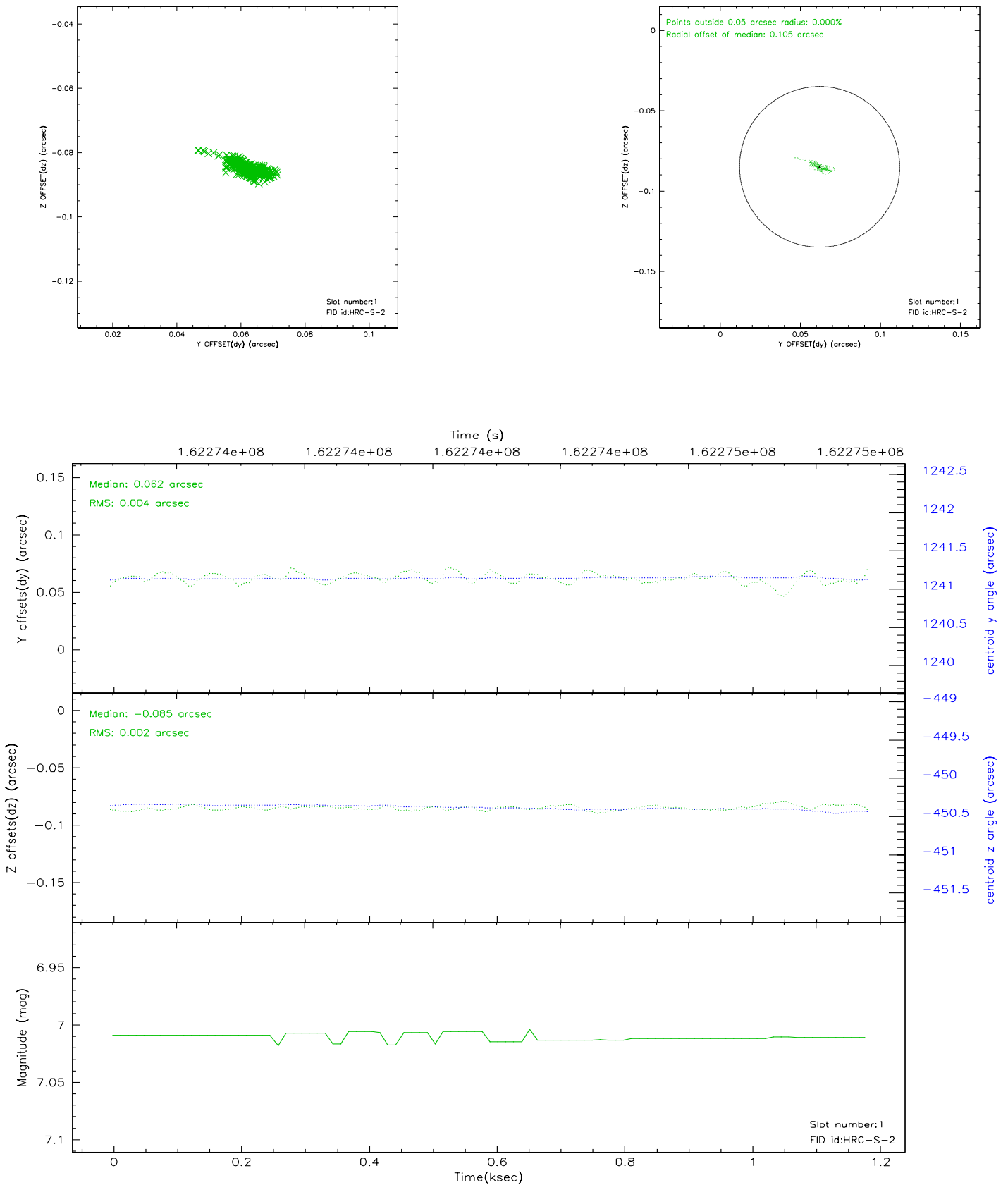


2.5 FID Slots

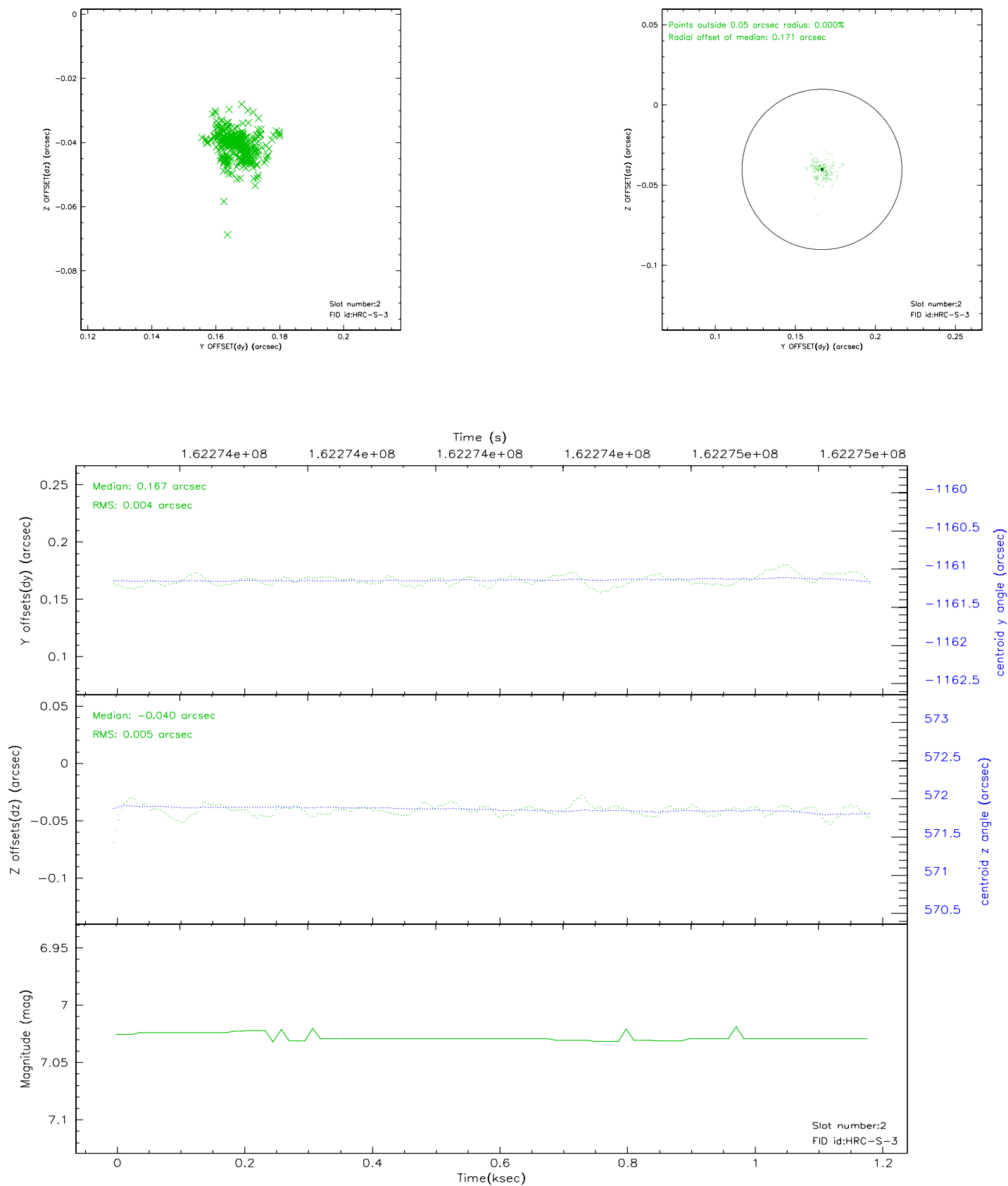
2.5.1 Slot 0



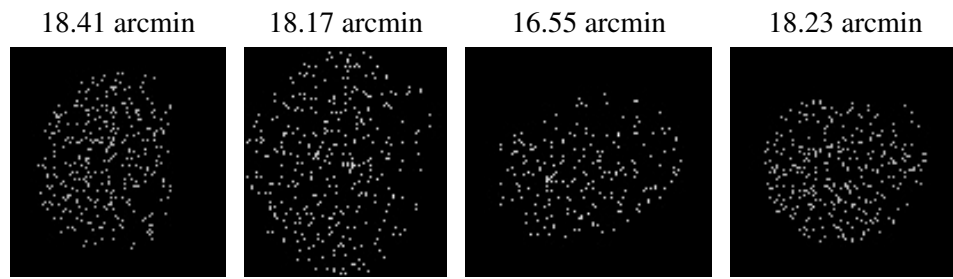
2.5.2 Slot 1



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 obs 4341.