

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4333 - L2 Version 001
Chandra X-Ray Center

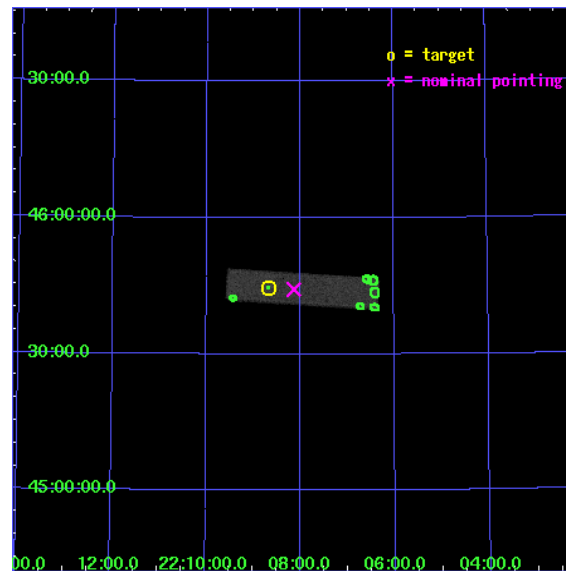
L2 Processing Date : Jul 27 2006

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1 Front

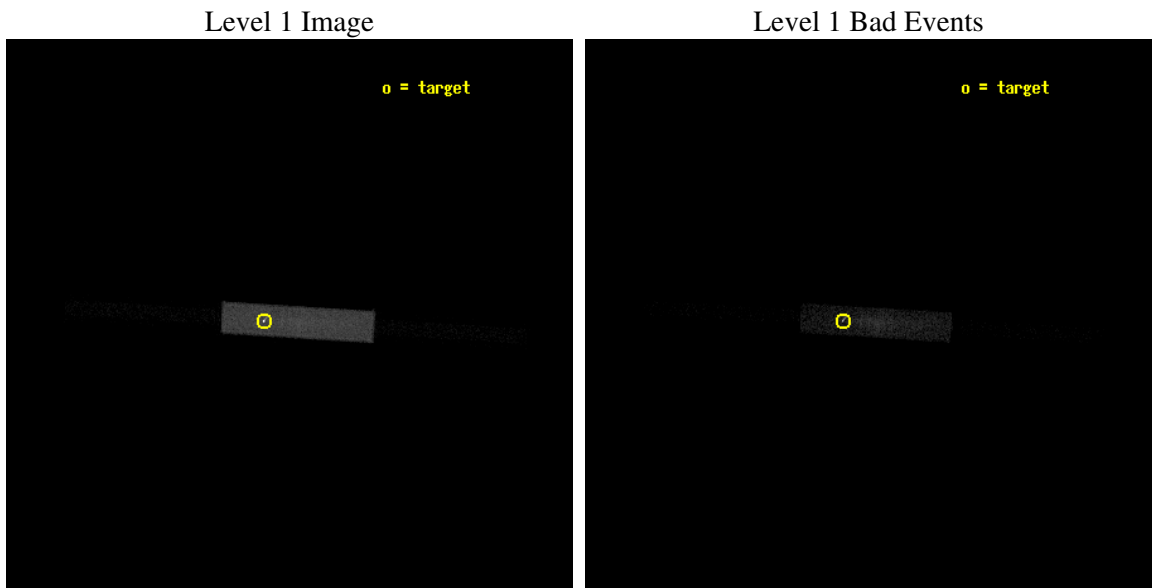
| | |
|----------|---|
| seq_num | 290293 |
| obs_id | 4333 |
| title | AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN |
| observer | Dr. CXC Calibration |
| object | ARLAC |
| ra_targ | 332.17 |
| dec_targ | 45.742306 |
| ra_nom | 332.03416934218 |
| dec_nom | 45.737708465908 |
| roll_nom | 3.4803206798942 |
| revision | 2 |
| ontime | 1142.1062980294 |
| livetime | 1135.9094810165 |
| l2events | 42043 |



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 | 2006-07-27T19:58:21 |
| revision | 2 |

| | |
|----------------|----------------|
| sched_exp_time | 1000.000000 |
| ontime | 1179.775049597 |
| l1events | 71688 |

2.1.3 Events

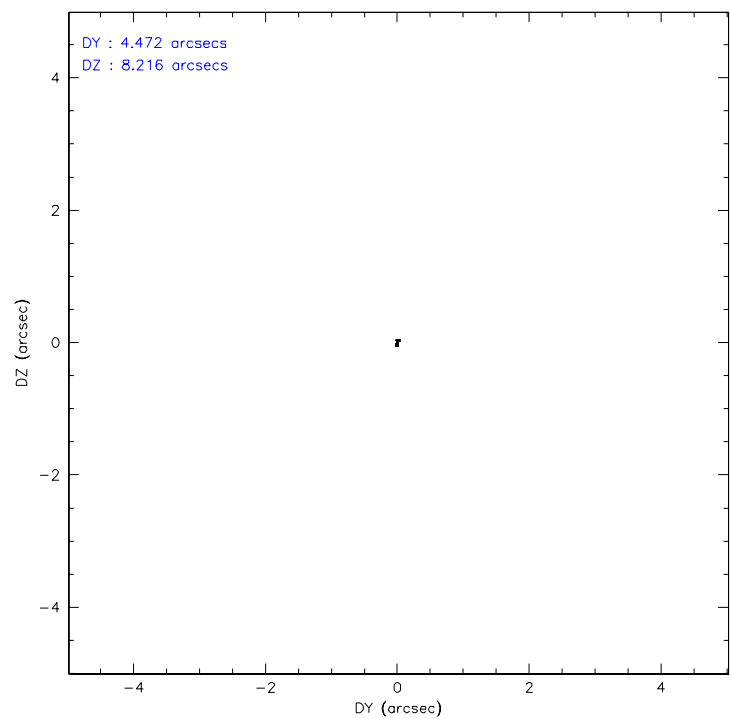
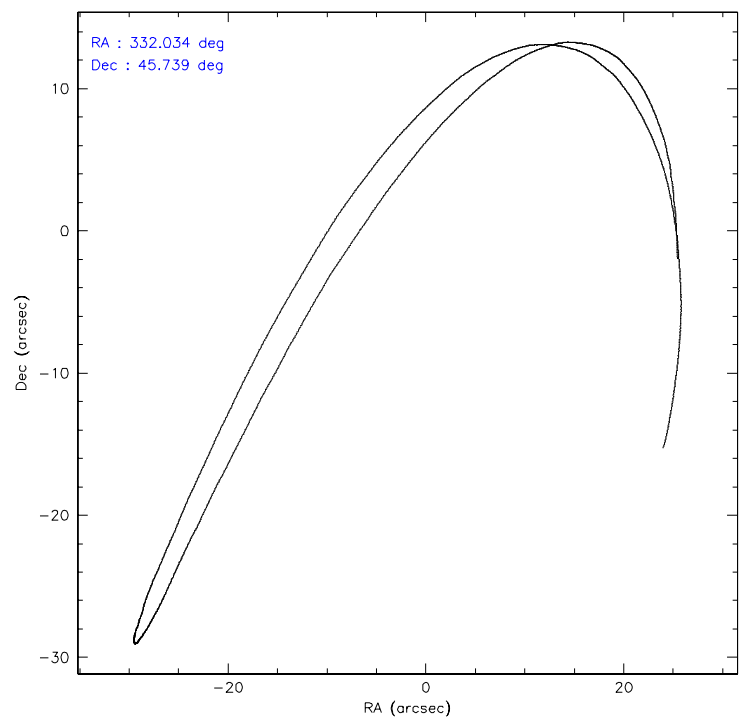
Level 1 Events

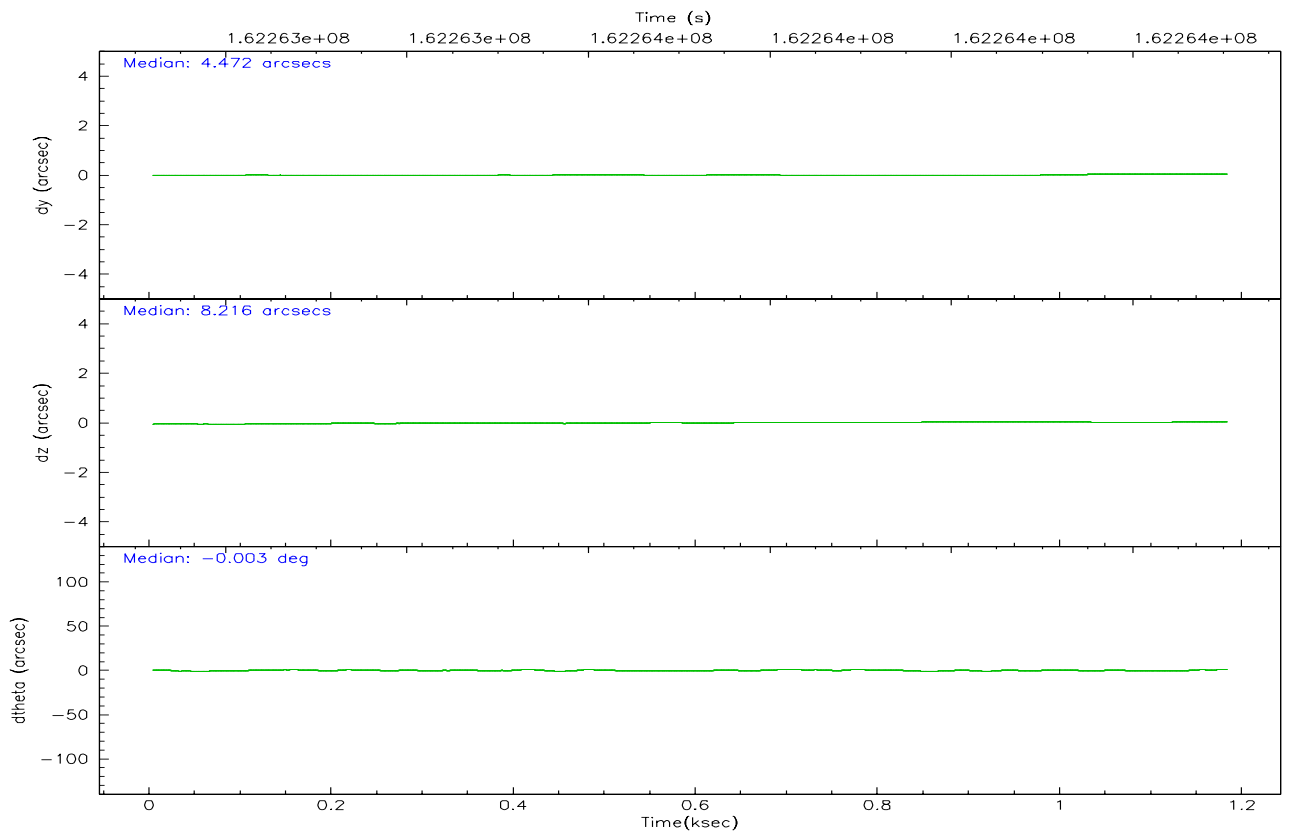
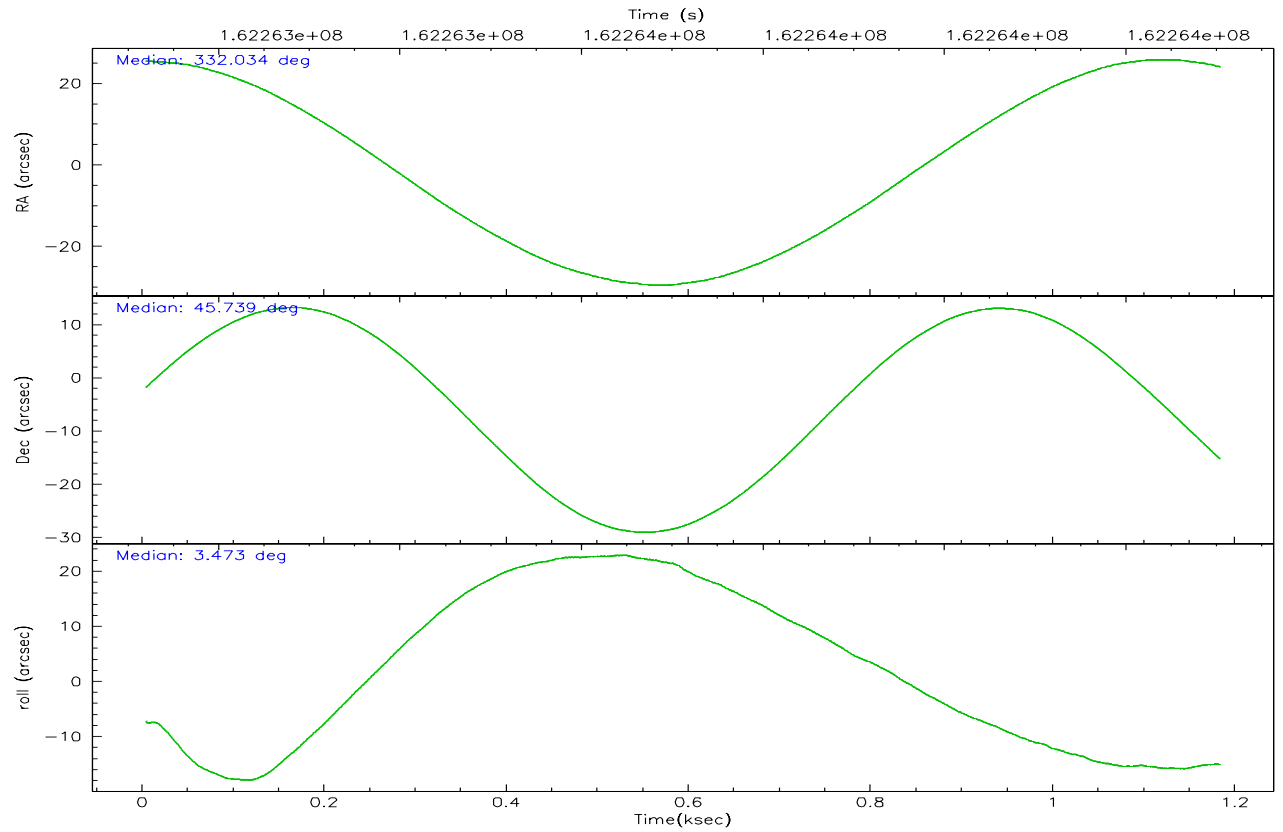
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 1126 | 69423 | 1139 |
| rejected events | 1126 | 24483 | 1139 |
| rejected % | 100% | 35% | 100% |

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 | 332.000655 | 332.0341693421789 | | | |
| Pointing Dec | 45.719632 | 45.73770846590796 | | | |
| Pointing Roll | 3.436970 | 3.480320679894228 | | | |
| 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 | 162263305.184000 | 162262929.26827 | | | |
| Observation start date | 2003-02-22T01:07:21 | 2003-02-22T01:02:09 | | | |
| Observation end time | 162264305.184000 | 162264439.60583 | | | |
| Observation end date | 2003-02-22T01:24:01 | 2003-02-22T01:27:19 | | | |

2.3 Aspect



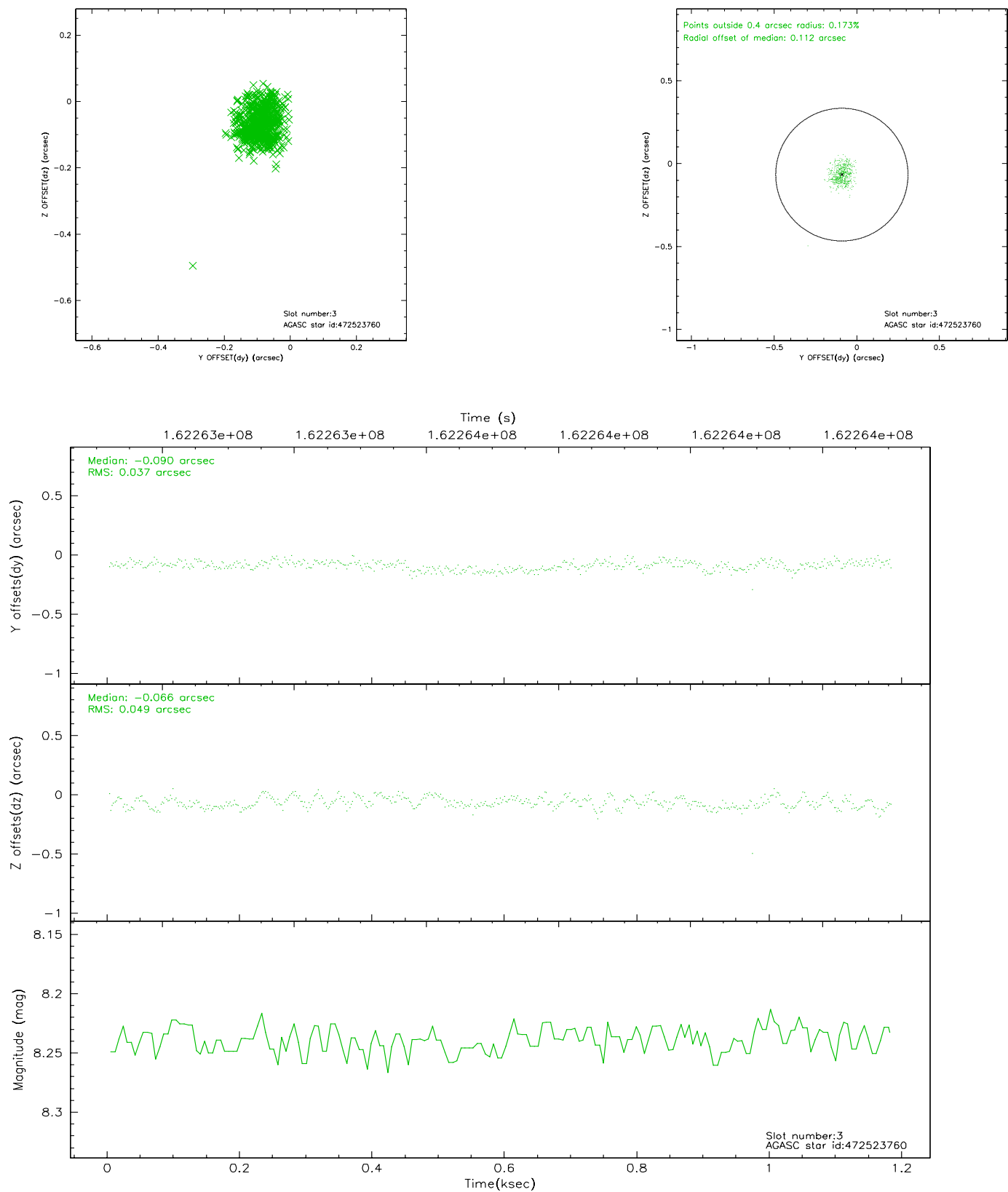


Slot Statistics

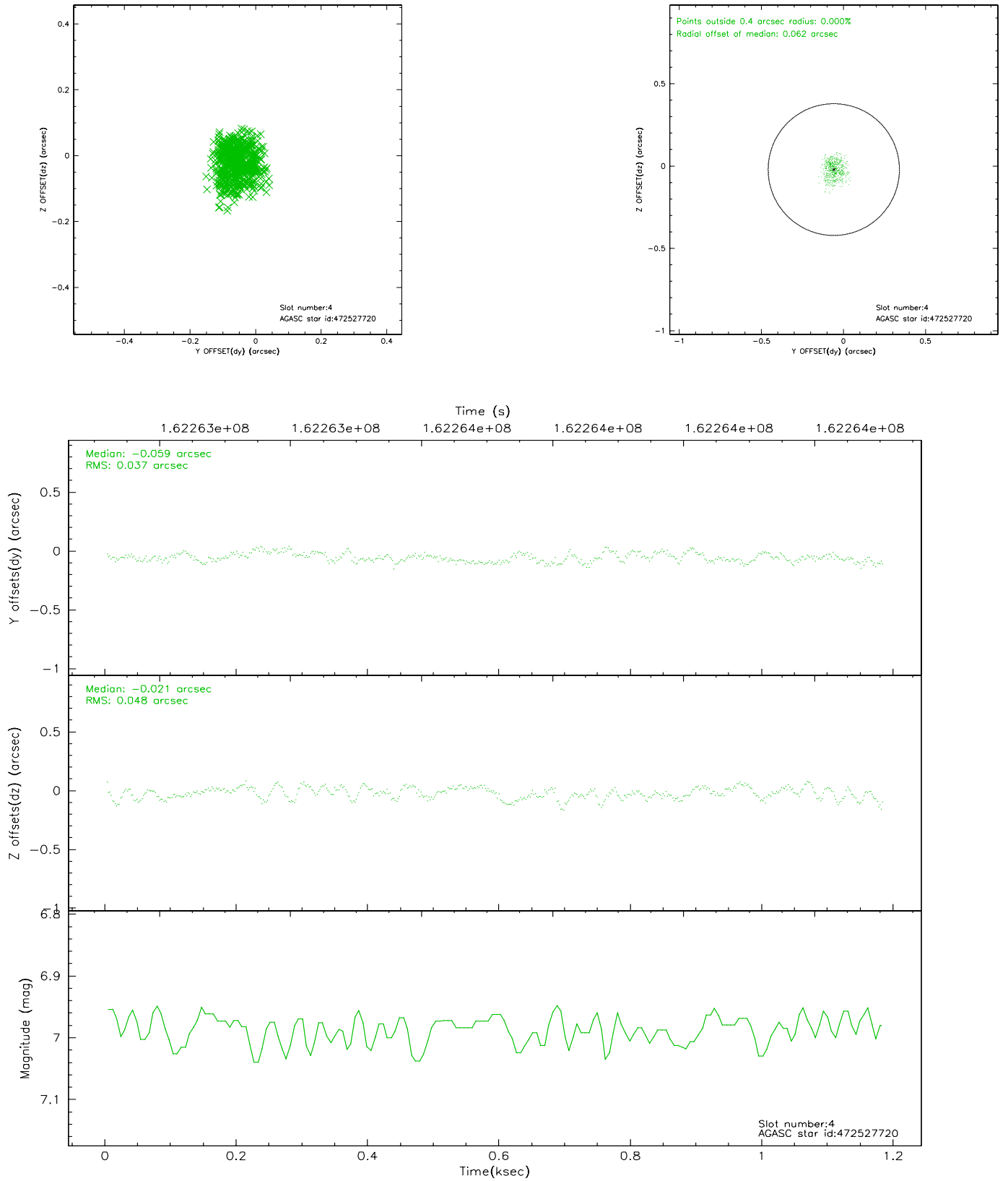
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 7.02 | 288 | 0.153 | -0.134 | 0.006 | 0.013 | 0.000000 | 0.000000 | -1158.54 | -456.81 |
| 1 | FID | HRC-S-2 | 7.01 | 288 | 0.068 | -0.084 | 0.004 | 0.009 | 0.000000 | 0.000000 | 1237.04 | -450.99 |
| 2 | FID | HRC-S-3 | 7.04 | 288 | 0.169 | -0.085 | 0.006 | 0.011 | 0.000000 | 0.000000 | -1156.94 | 571.20 |
| 3 | GUIDE | 472523760 | 8.24 | 577 | -0.090 | -0.066 | 0.063 | 0.097 | 331.645363 | 45.403260 | -966.05 | -1085.02 |
| 4 | GUIDE | 472527720 | 6.98 | 577 | -0.059 | -0.021 | 0.065 | 0.101 | 331.460205 | 45.112509 | -1504.35 | -2100.66 |
| 5 | GUIDE | 472655704 | 9.47 | 577 | 0.035 | 0.038 | 0.110 | 0.178 | 332.167195 | 45.285228 | 323.51 | -1593.20 |
| 6 | GUIDE | 472659832 | 9.47 | 577 | 0.066 | 0.102 | 0.103 | 0.169 | 332.780399 | 46.098139 | 2024.27 | 1246.85 |
| 7 | GUIDE | 472533912 | 9.18 | 576 | 0.046 | -0.048 | 0.109 | 0.164 | 331.791136 | 46.368695 | -377.60 | 2362.62 |

2.4 Star Slots

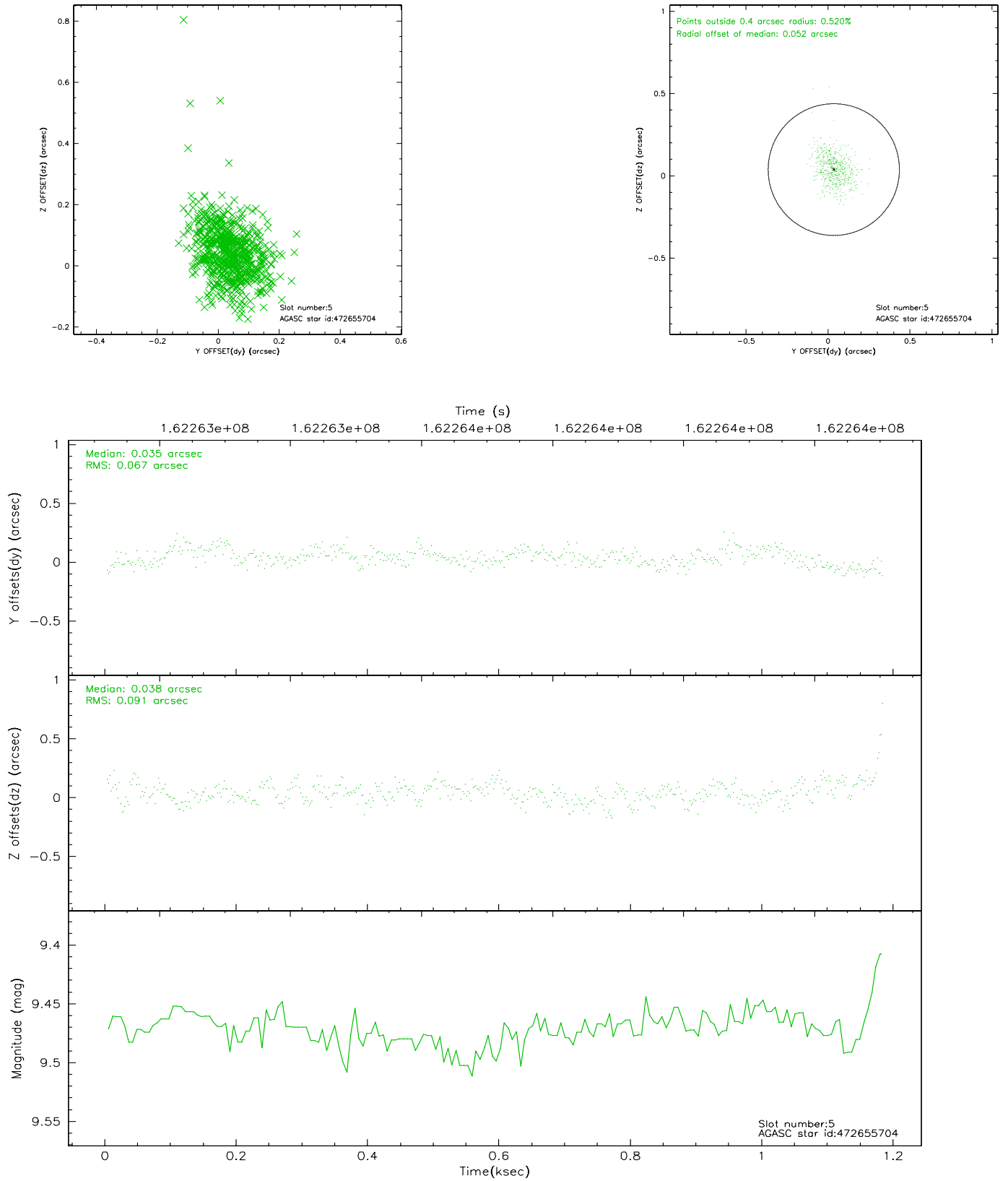
2.4.1 Slot 3



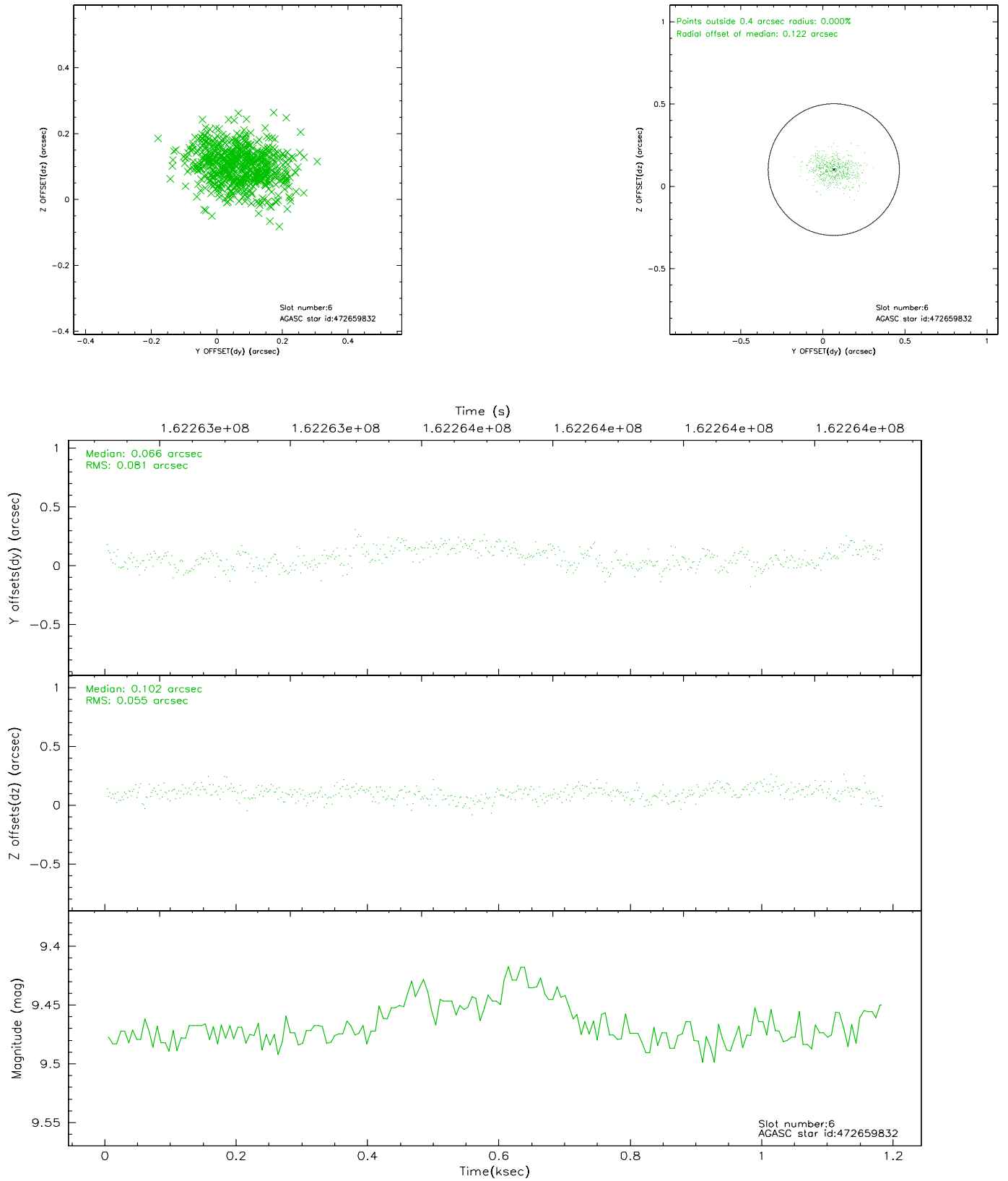
2.4.2 Slot 4



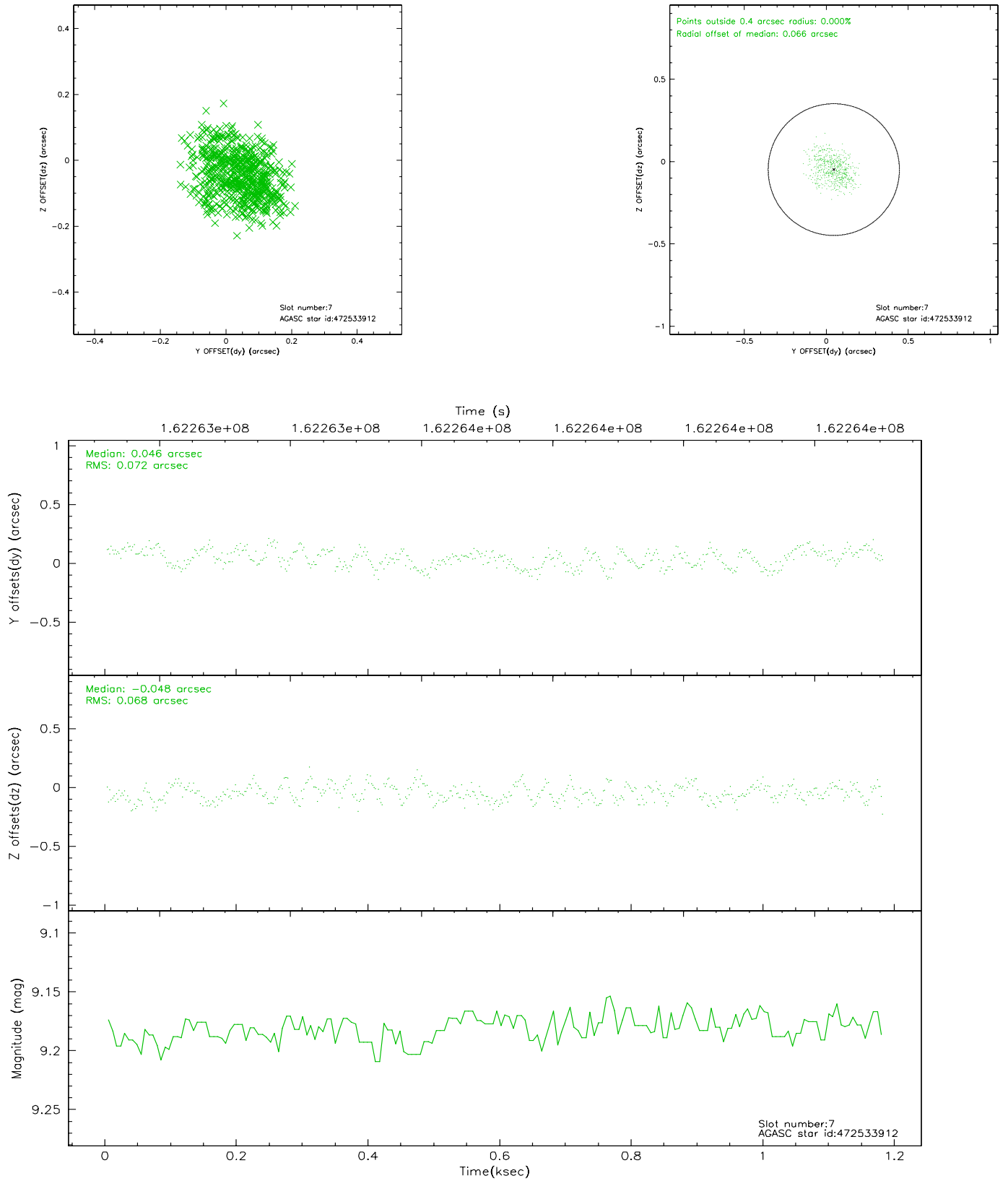
2.4.3 Slot 5



2.4.4 Slot 6

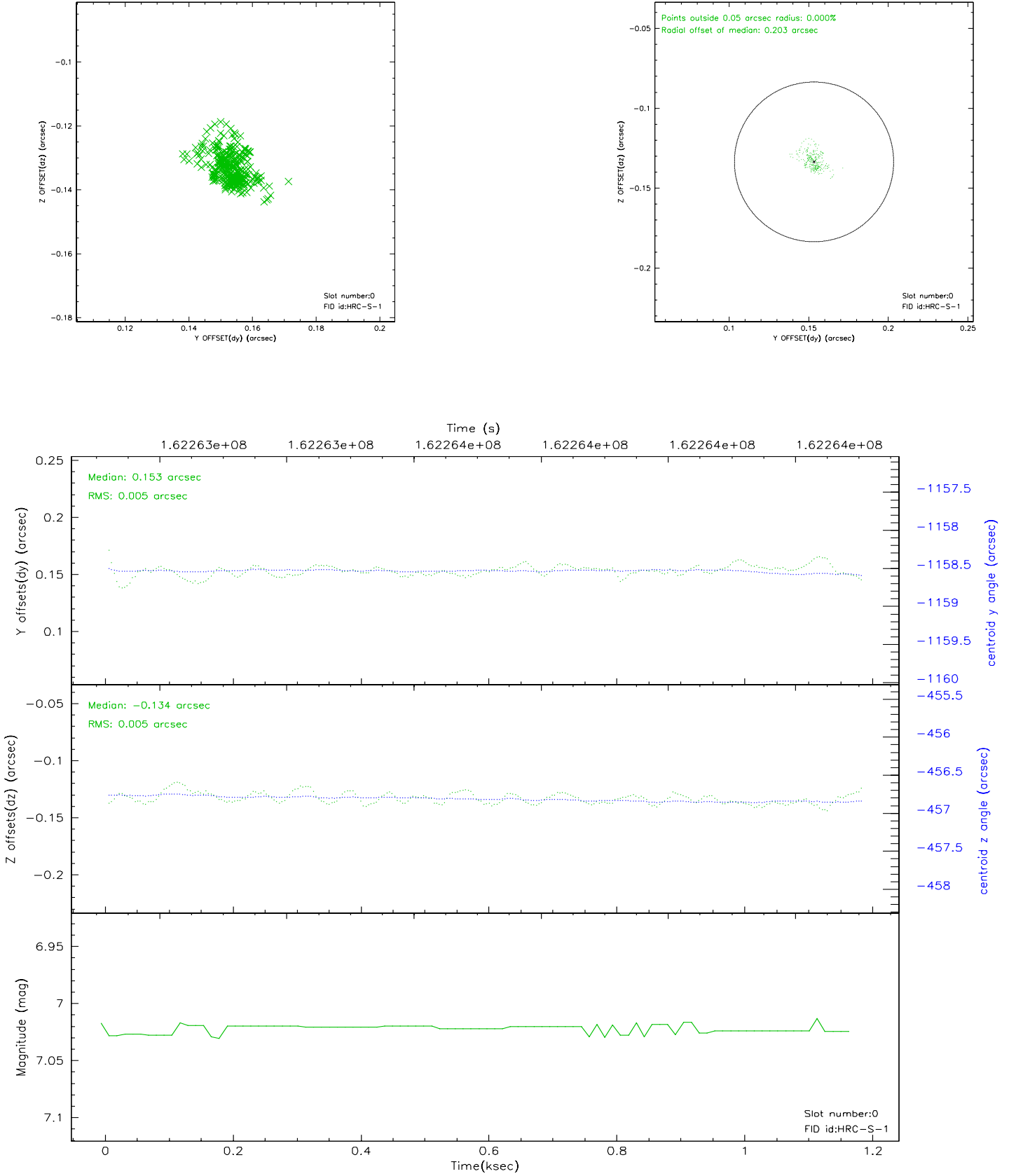


2.4.5 Slot 7

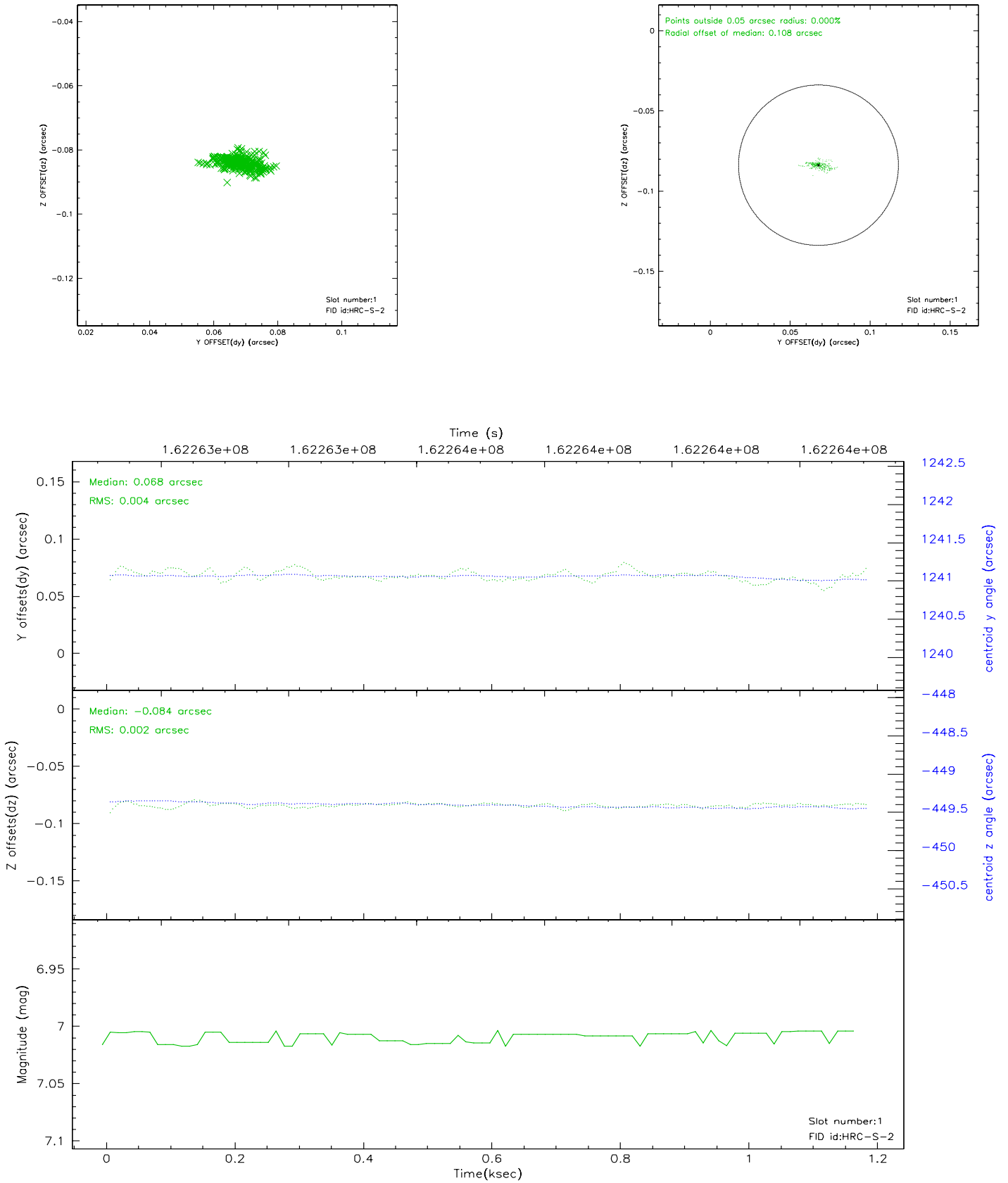


2.5 FID Slots

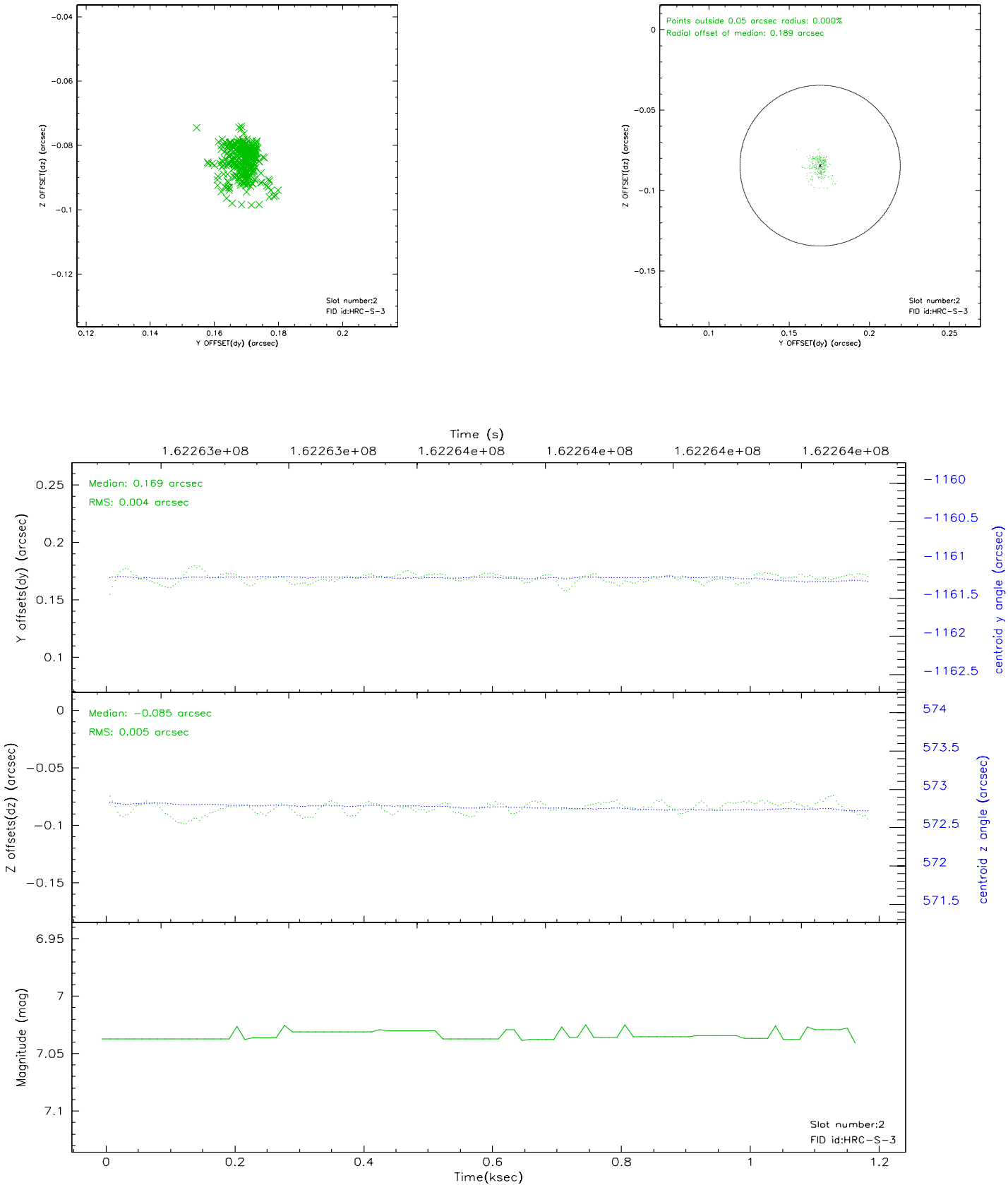
2.5.1 Slot 0



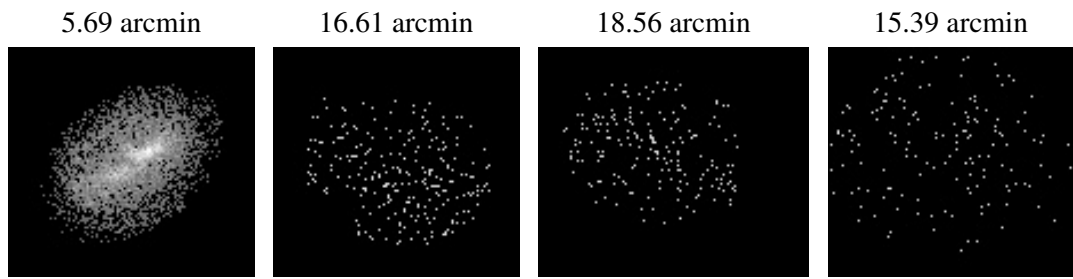
2.5.2 Slot 1



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 | 1.142 |

A.2 Comments

Monitor constraint not met--preceeds obs4334.