

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2558 - L2 Version 001
Chandra X-Ray Center

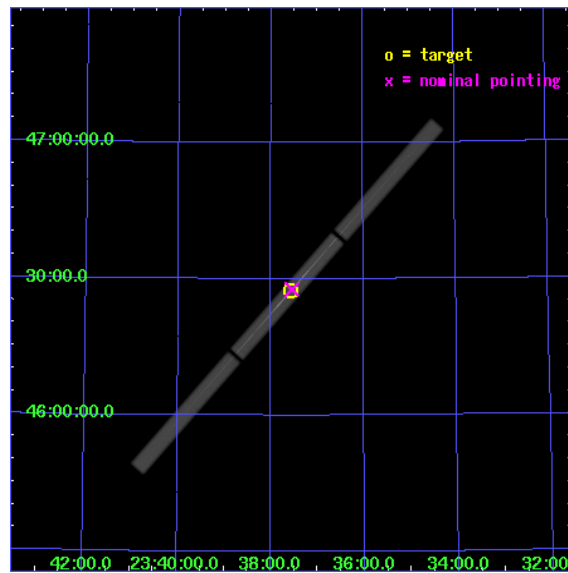
L2 Processing Date : Sep 26 2006

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1 Front

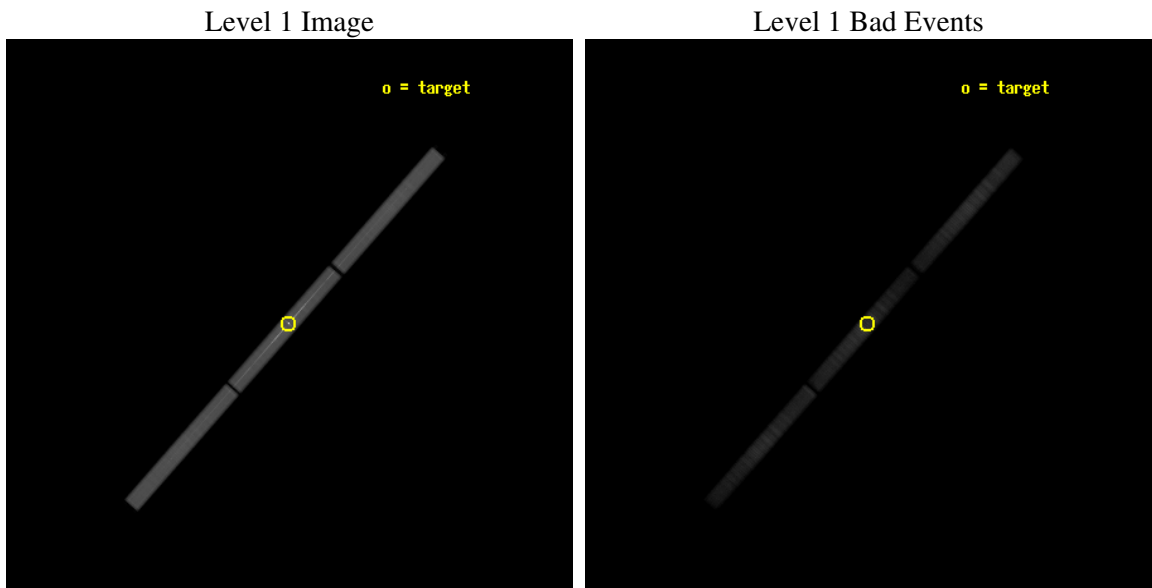
| | |
|----------|--|
| seq_num | 200166 |
| obs_id | 2558 |
| title | HEAVY ION TRANSPORT: MULTI-TEMPERATURE ABUNDANCE STUDIES OF THE ACTIVE RS CVN LAMBDA AND |
| observer | Dr. Nancy Brickhouse |
| object | LAMBDA AND |
| ra_targ | 354.390833 |
| dec_targ | 46.458139 |
| ra_nom | 354.38650249751 |
| dec_nom | 46.461752817671 |
| roll_nom | 131.39054803716 |
| revision | 2 |
| ontime | 49830.633298457 |
| livetime | 49456.941035058 |
| l2events | 3076848 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.9 |
| caldbver | 3.2.3 |
| date | 2006-09-26T10:37:28 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 50000.000000 |
| ontime | 49910.327051729 |
| l1events | 4327369 |

2.1.3 Events

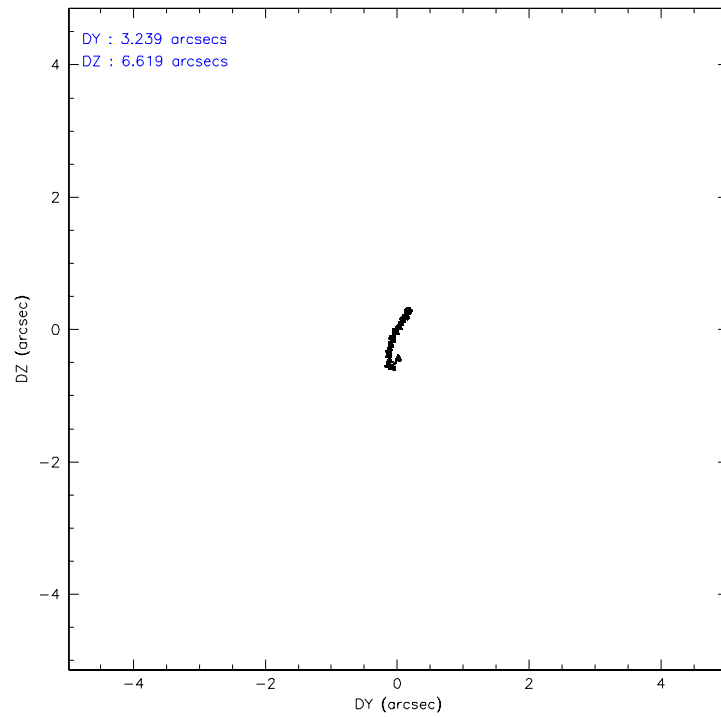
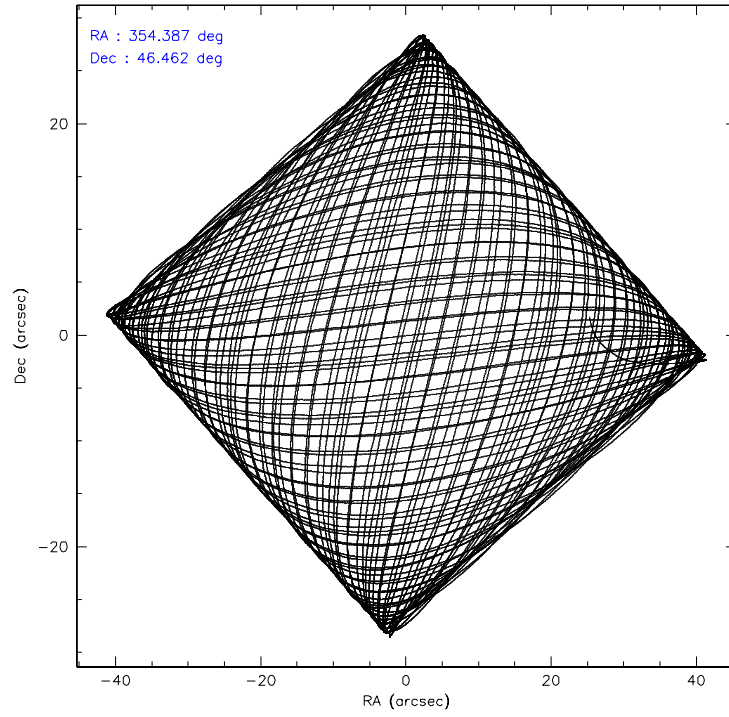
Level 1 Events

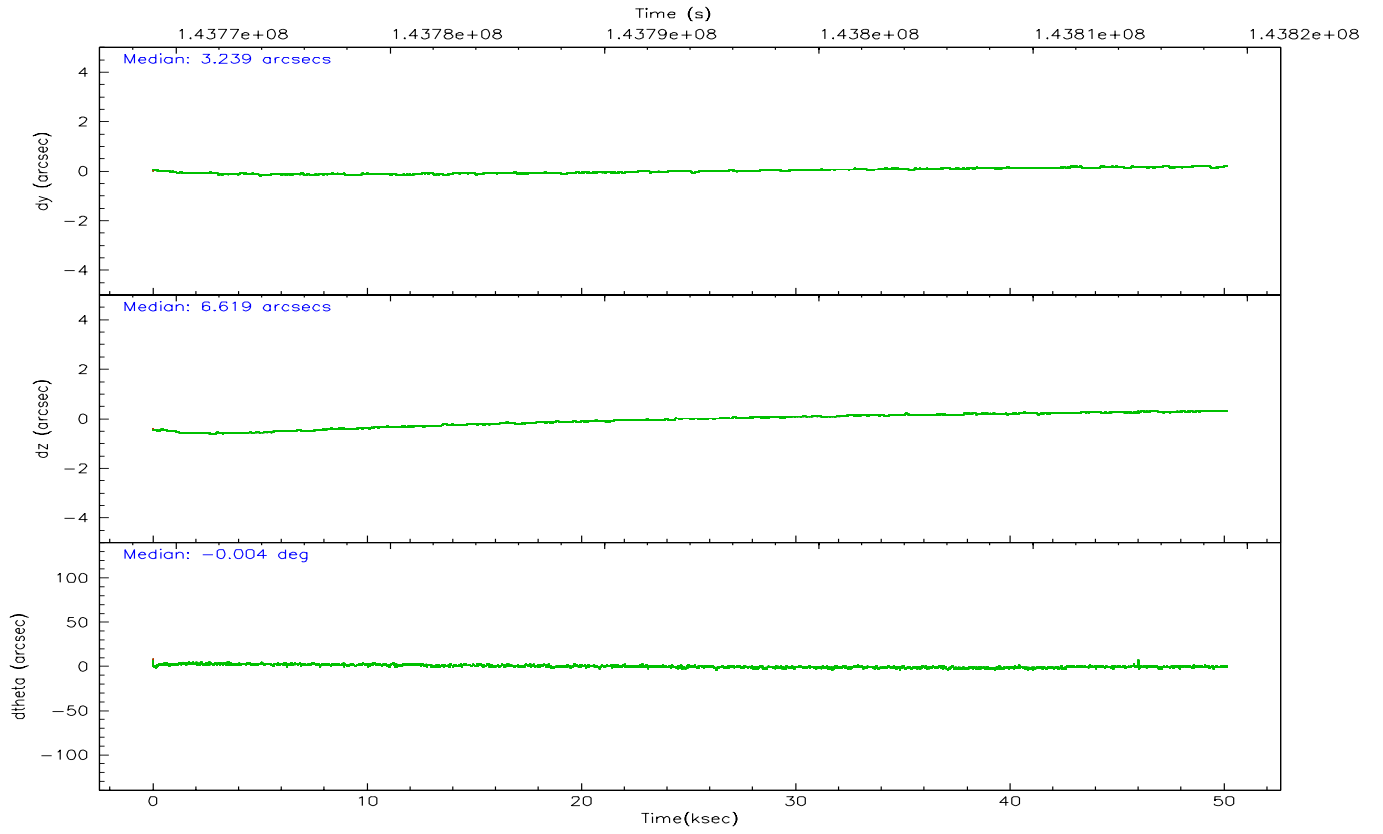
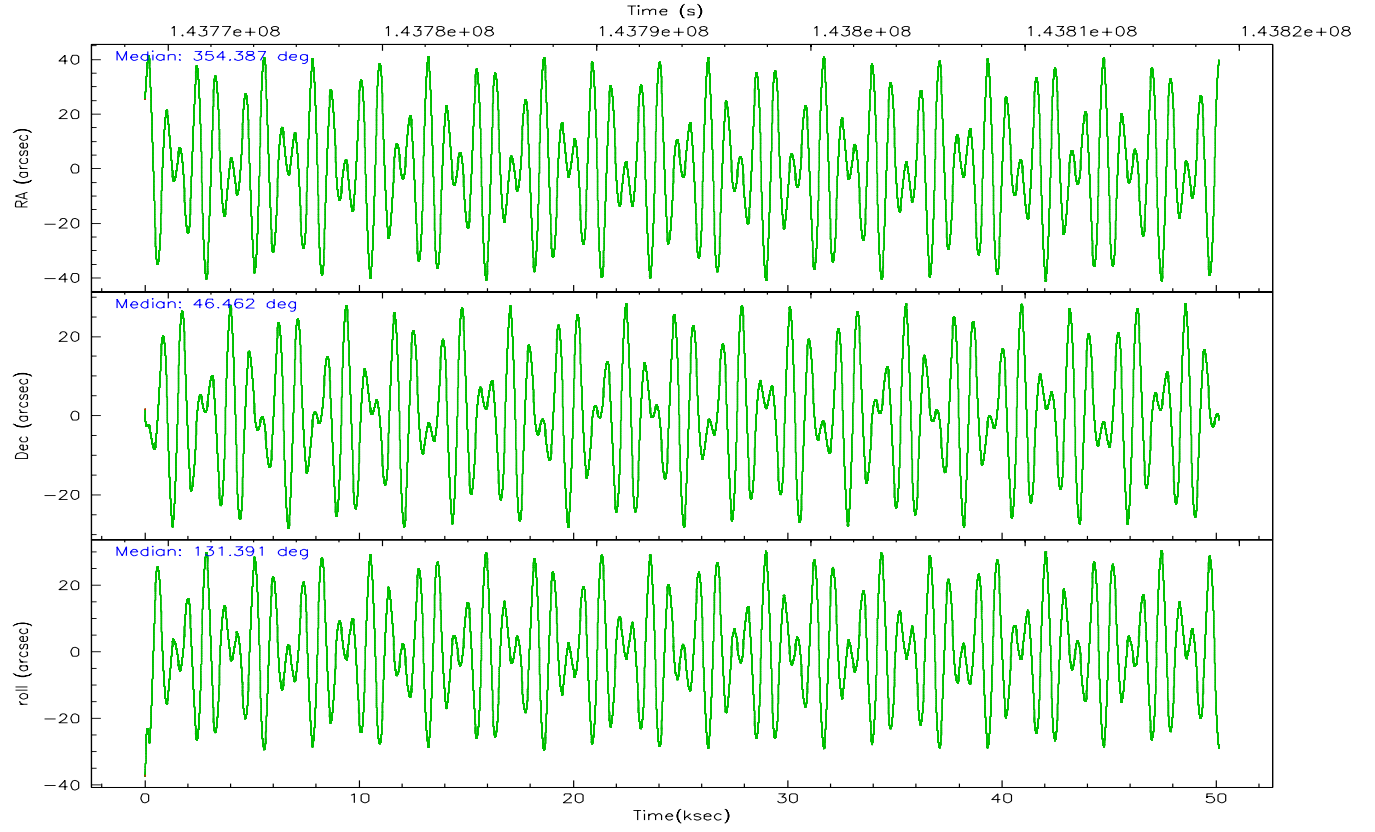
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 1365748 | 1604770 | 1356851 |
| rejected events | 260875 | 280461 | 318243 |
| rejected % | 19% | 17% | 23% |

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 | LETG | LETG | Obspar update status | NONE | UPDATED |
| Data mode | OBSERVING | OBSERVING | | | |
| Observation mode | POINTING | POINTING | | | |
| Pointing RA | 354.426447 | 354.3865024975054 | | | |
| Pointing Dec | 46.453963 | 46.46175281767061 | | | |
| Pointing Roll | 131.294263 | 131.3905480371579 | | | |
| 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 | 143769075.184000 | 143767408.76192 | | | |
| Observation start date | 2002-07-22T23:50:11 | 2002-07-22T23:23:28 | | | |
| Observation end time | 143819075.184000 | 143820098.37659 | | | |
| Observation end date | 2002-07-23T13:43:31 | 2002-07-23T14:01:38 | | | |

2.3 Aspect



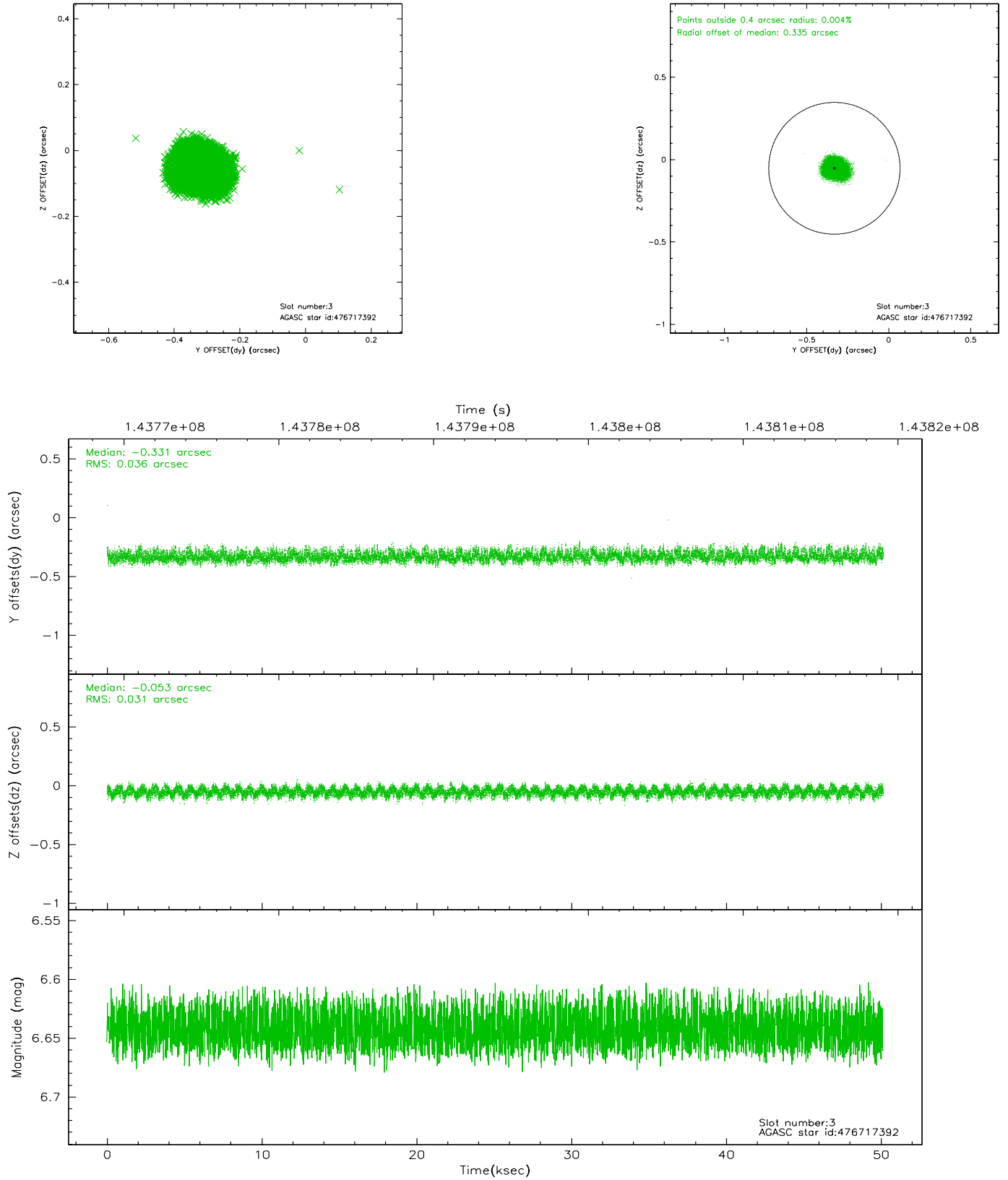


Slot Statistics

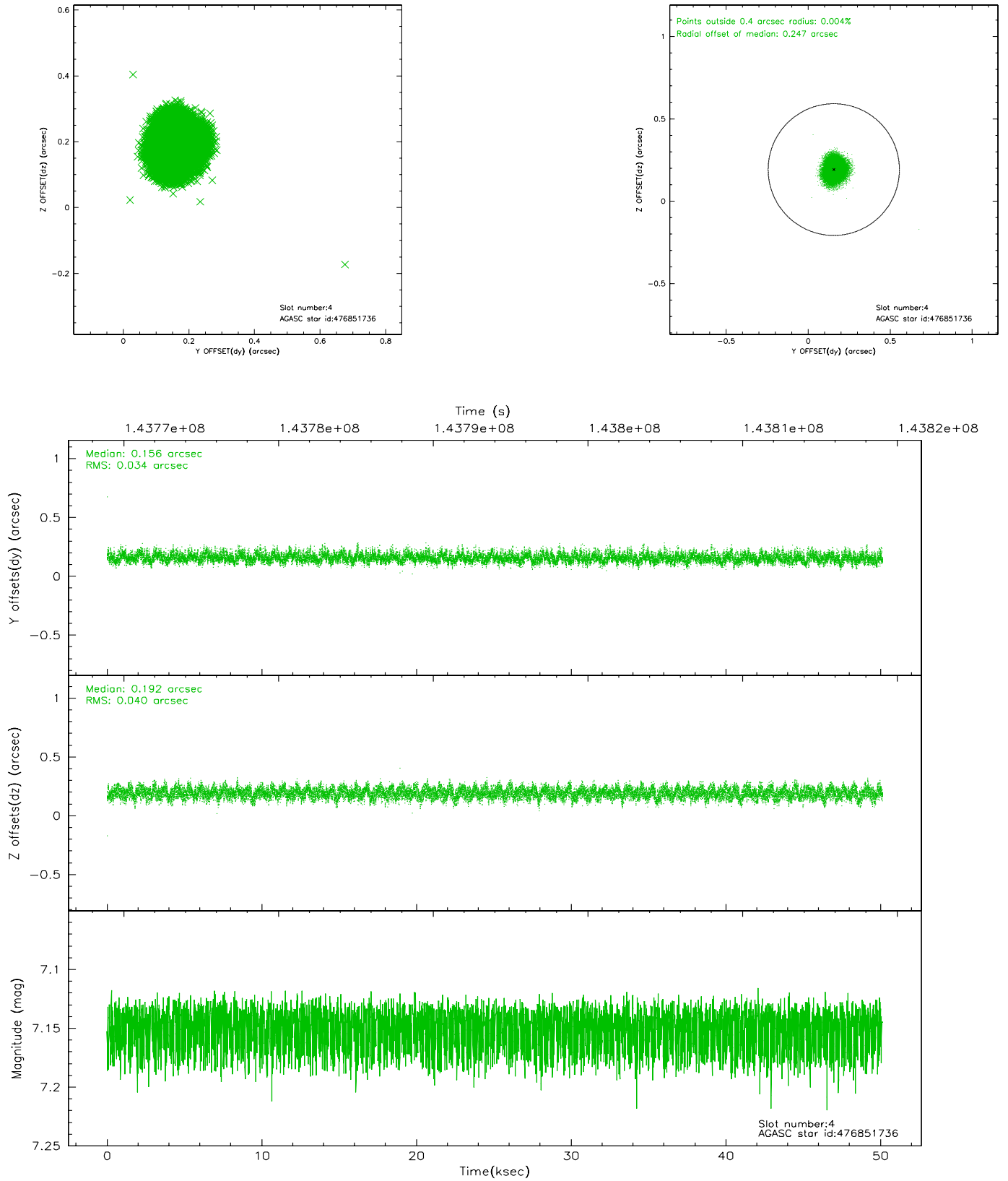
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-2 | 6.98 | 12229 | 0.089 | -0.144 | 0.014 | 0.028 | 0.000000 | 0.000000 | 1242.34 | -447.74 |
| 1 | FID | HRC-S-3 | 7.00 | 12229 | 0.156 | -0.118 | 0.007 | 0.013 | 0.000000 | 0.000000 | -1159.90 | 574.39 |
| 2 | FID | HRC-S-4 | 6.93 | 12230 | 0.160 | -0.034 | 0.013 | 0.026 | 0.000000 | 0.000000 | 1240.89 | 577.15 |
| 3 | GUIDE | 476717392 | 6.64 | 24459 | -0.331 | -0.053 | 0.051 | 0.080 | 353.455117 | 46.680994 | 2208.19 | 1254.17 |
| 4 | GUIDE | 476851736 | 7.15 | 24460 | 0.156 | 0.192 | 0.056 | 0.089 | 355.272674 | 46.218265 | -2019.39 | -1029.80 |
| 5 | GUIDE | 476718520 | 7.41 | 24458 | -0.322 | 0.007 | 0.048 | 0.079 | 353.709867 | 46.860116 | 2268.56 | 355.97 |
| 6 | GUIDE | 476709736 | 8.51 | 24460 | 0.232 | -0.128 | 0.079 | 0.124 | 354.343069 | 45.728505 | -1823.28 | 1881.66 |
| 7 | GUIDE | 476848200 | 8.91 | 24436 | 0.264 | -0.019 | 0.072 | 0.117 | 354.898689 | 46.018108 | -1954.88 | 147.06 |

2.4 Star Slots

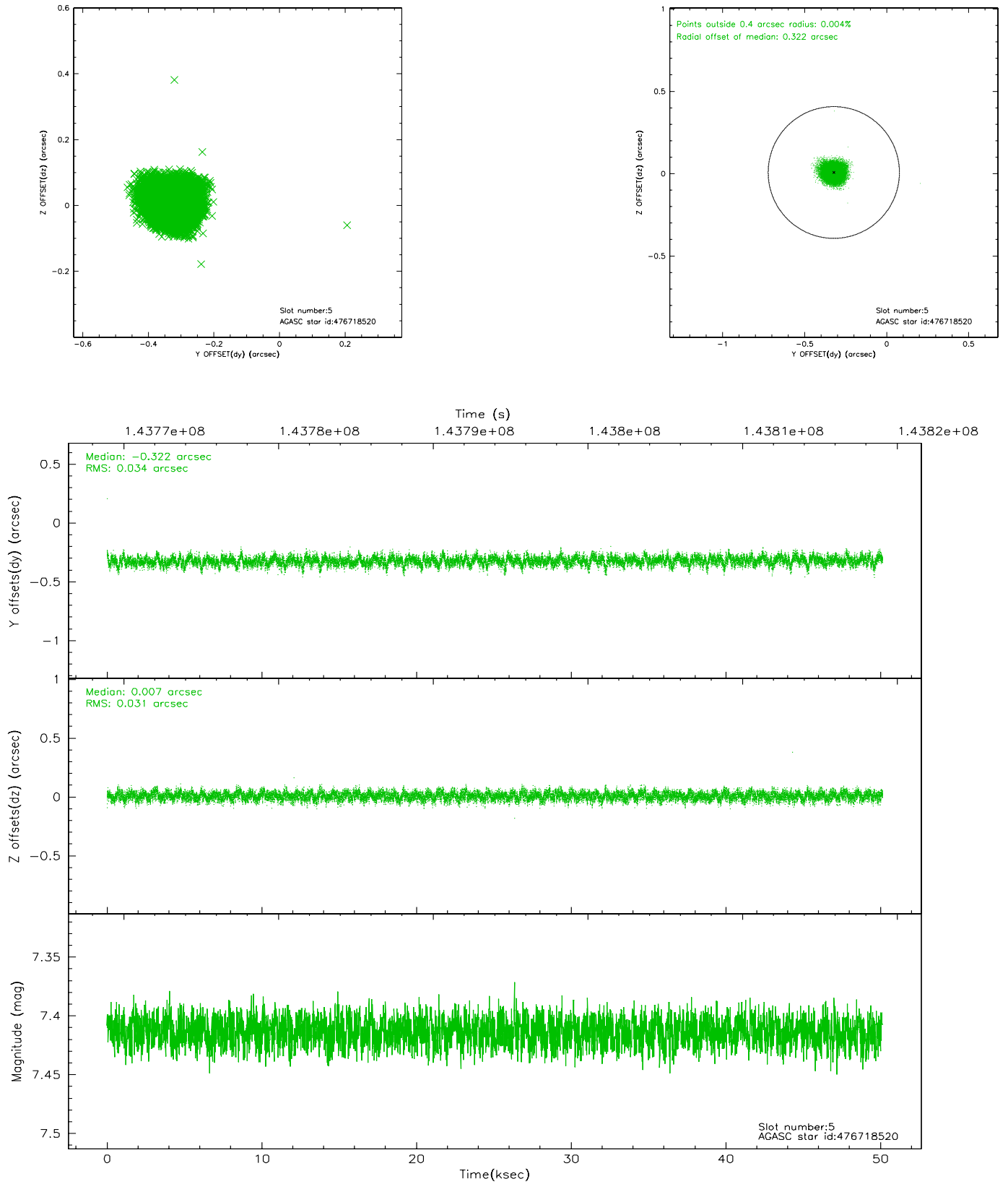
2.4.1 Slot 3



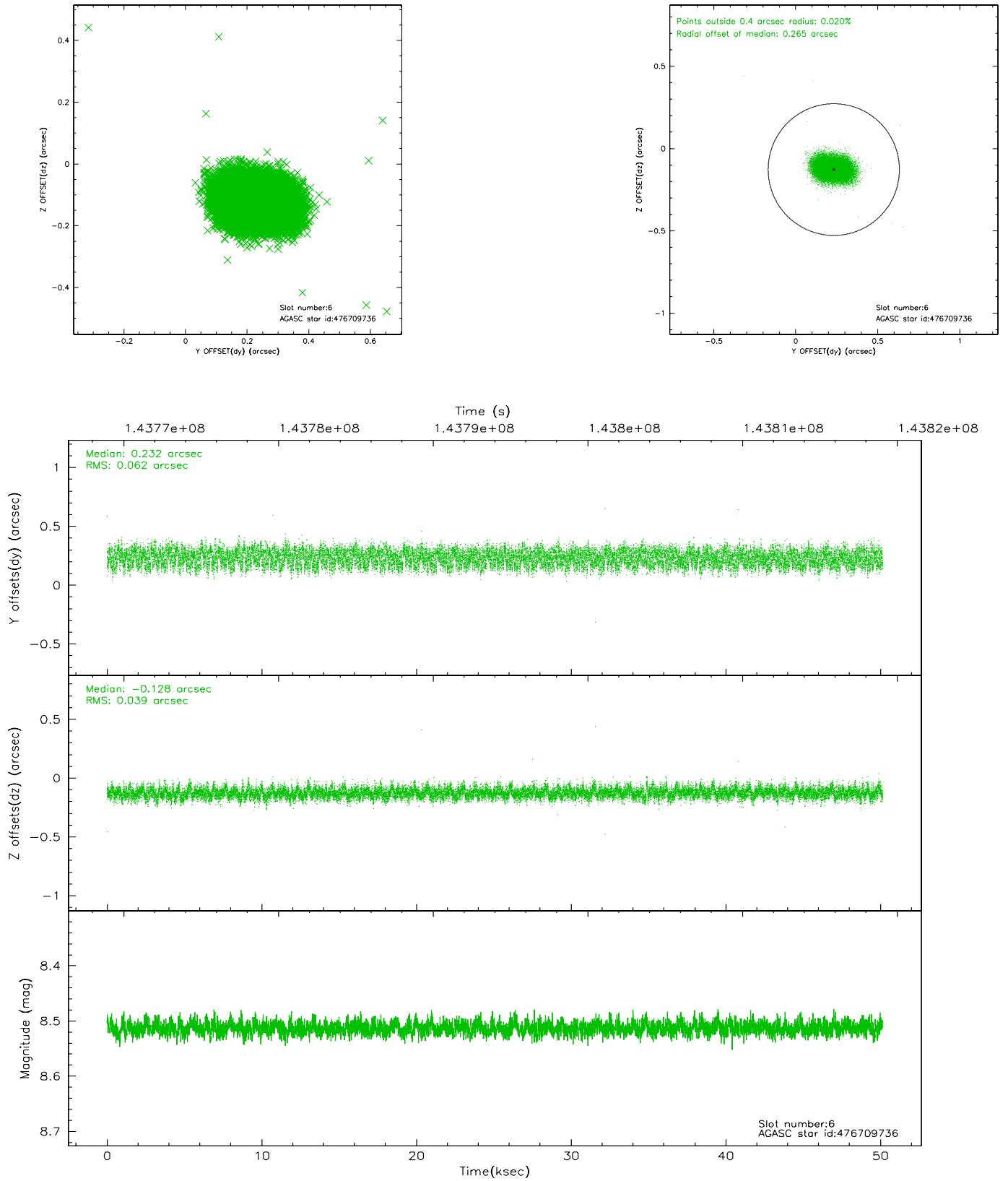
2.4.2 Slot 4



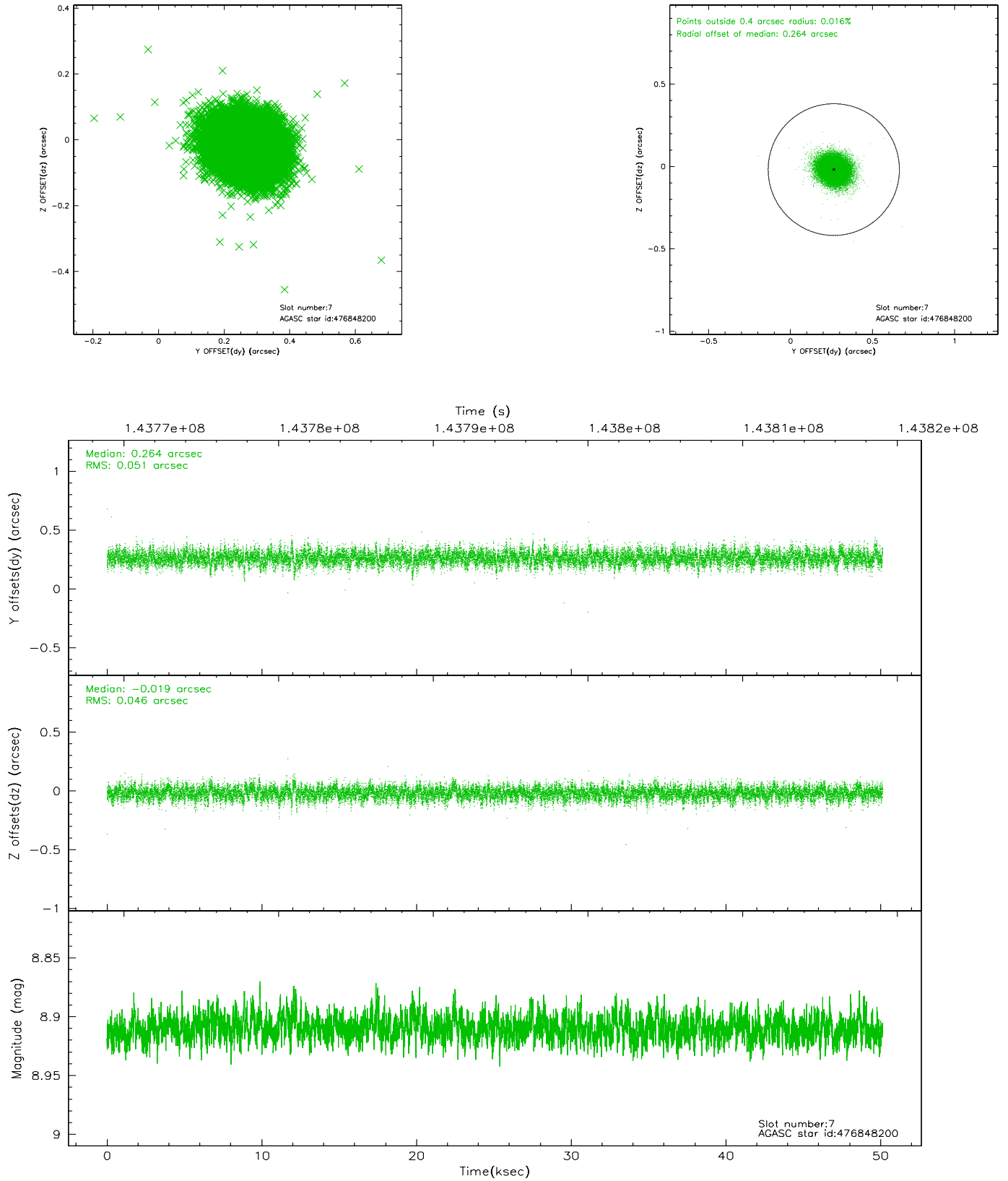
2.4.3 Slot 5



2.4.4 Slot 6

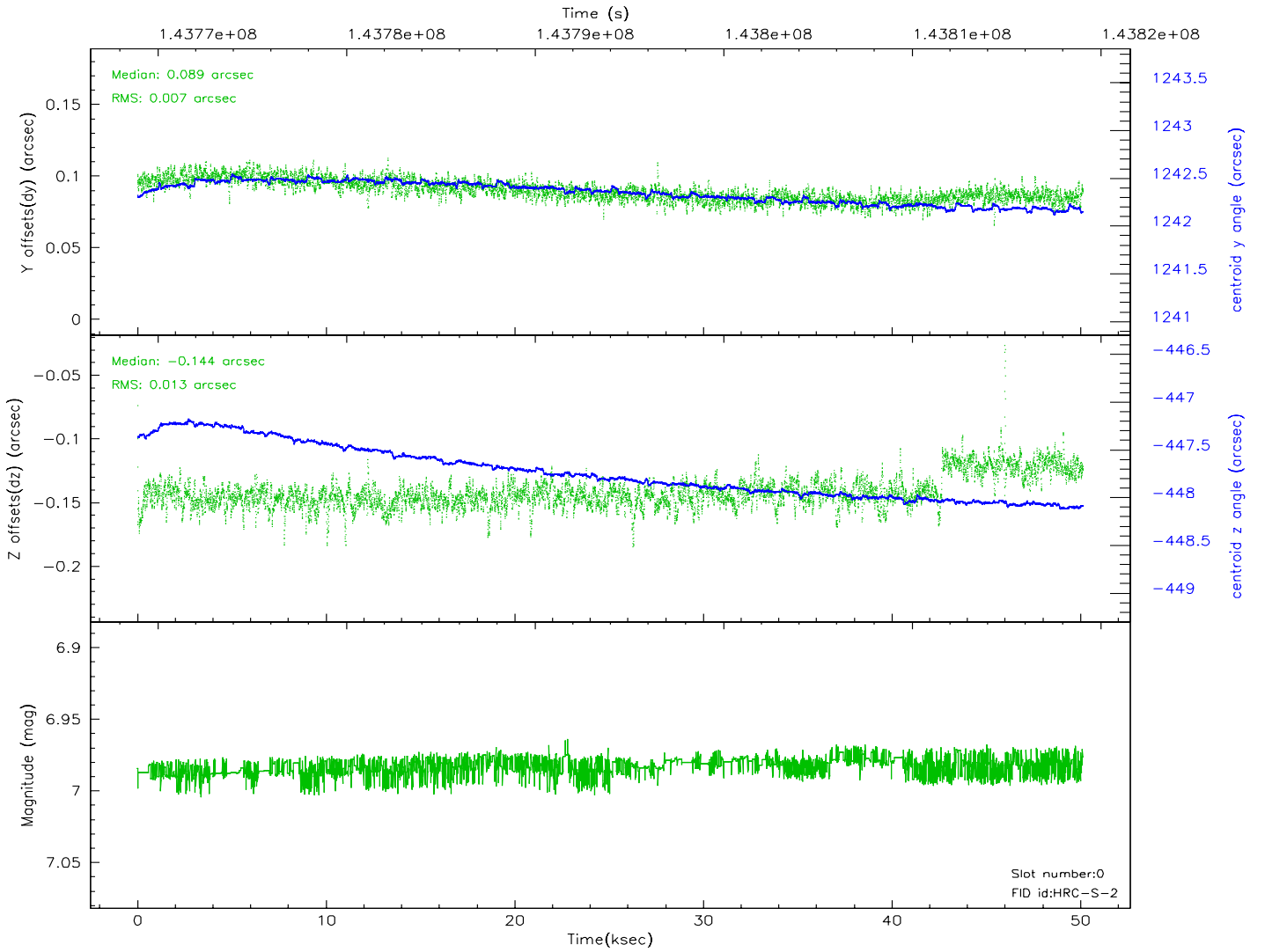
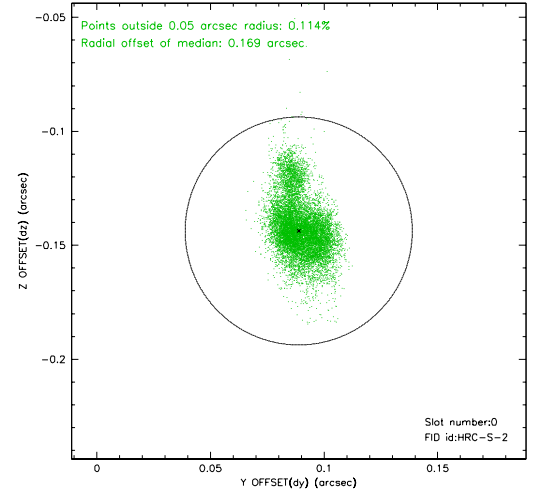
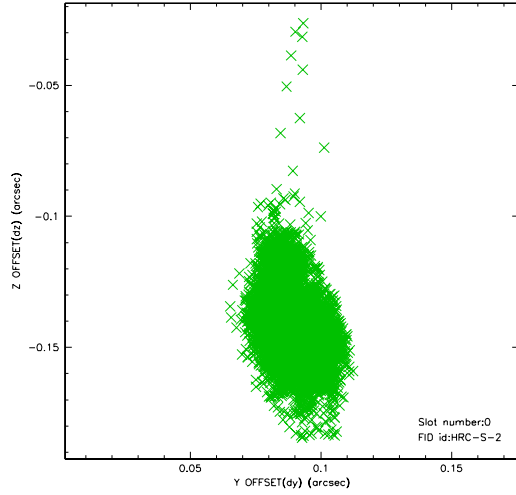


2.4.5 Slot 7

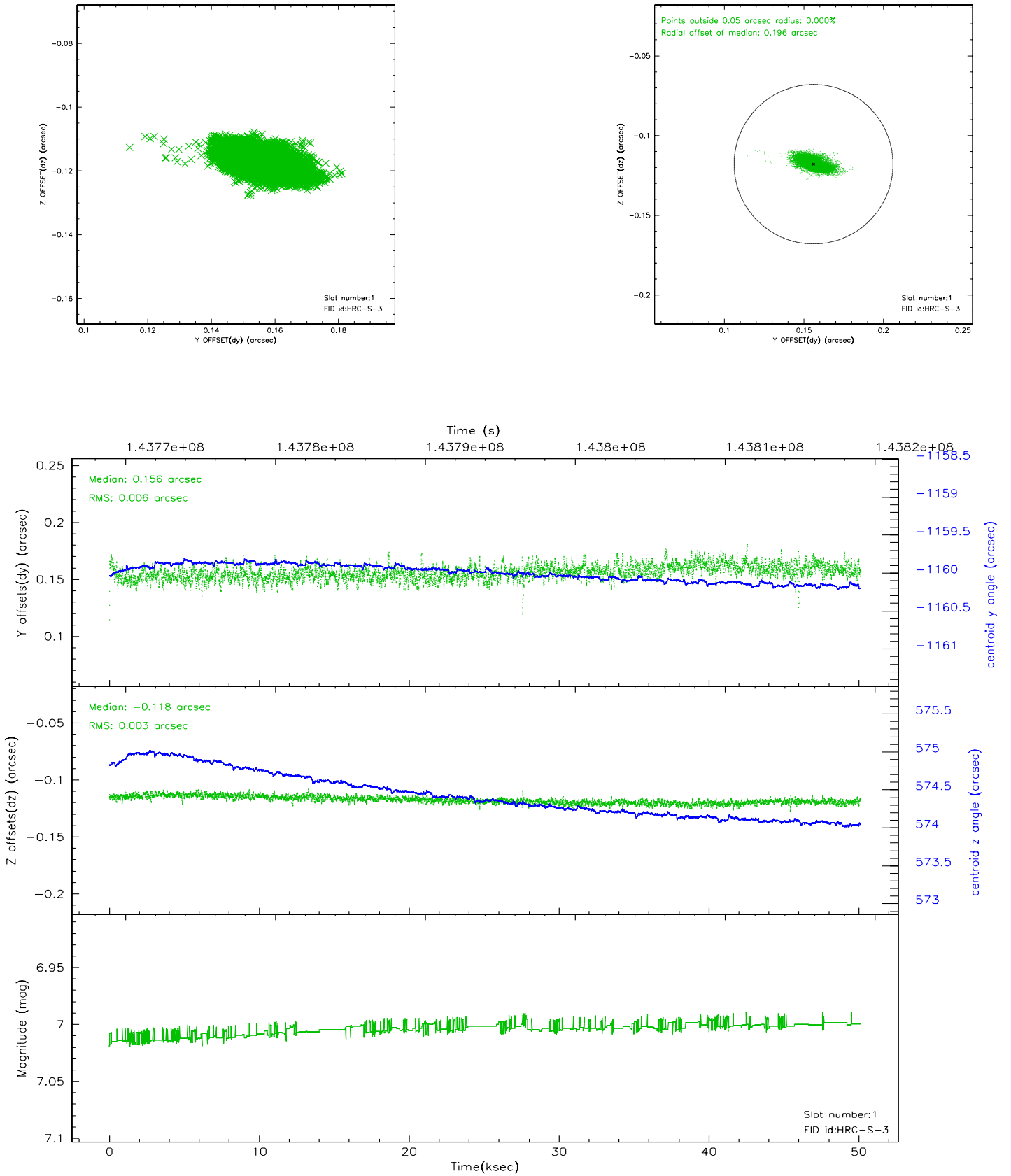


2.5 FID Slots

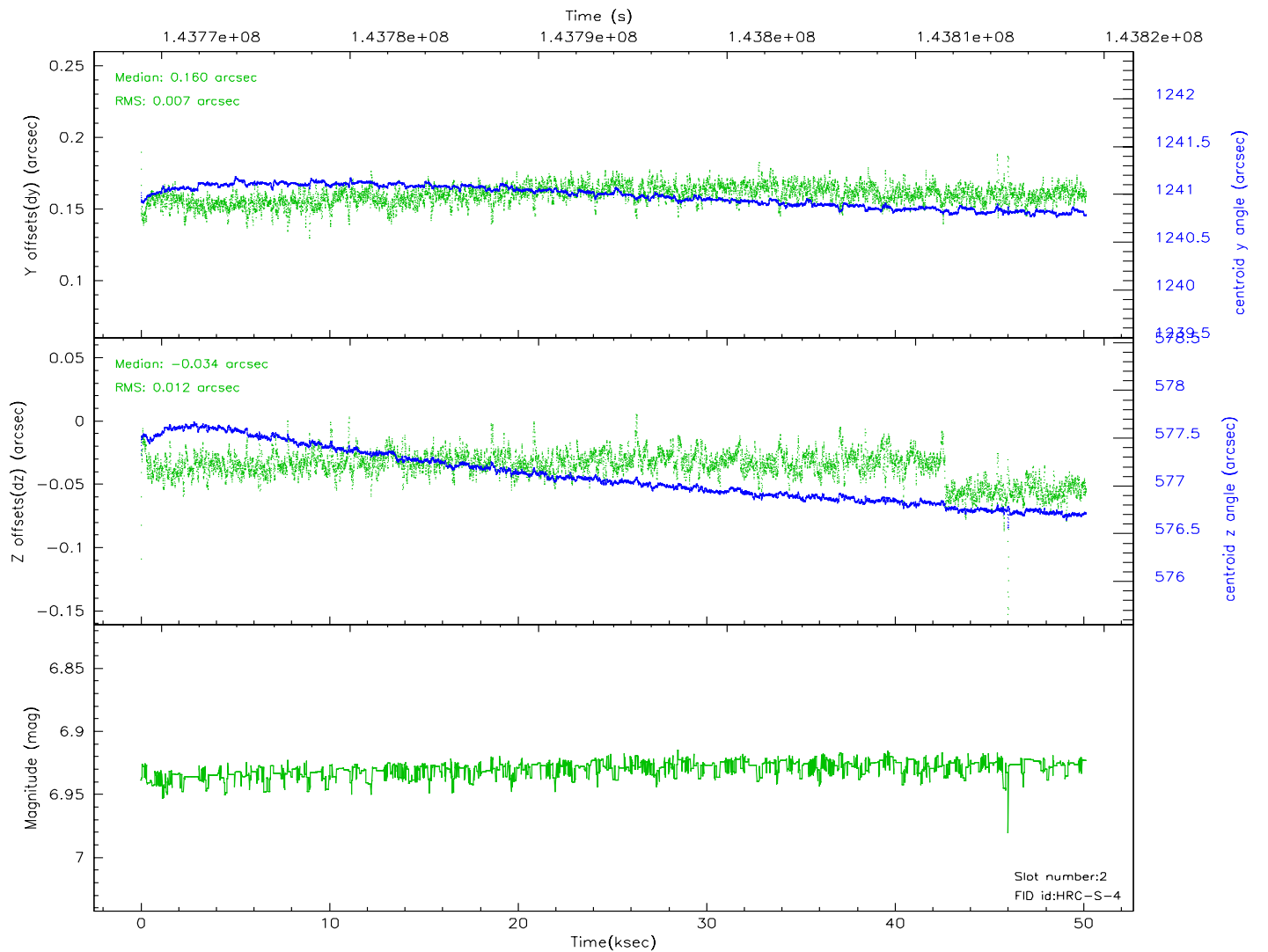
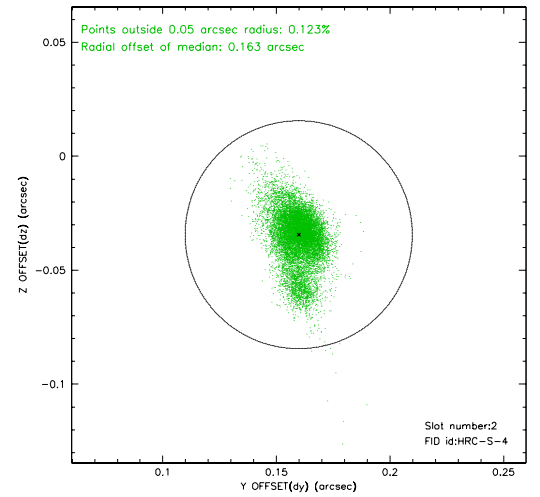
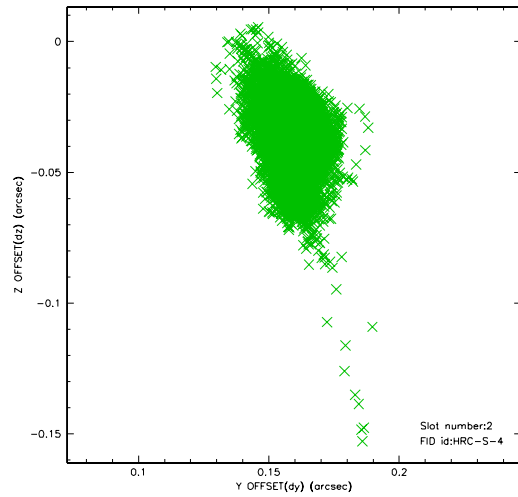
2.5.1 Slot 0



2.5.2 Slot 1

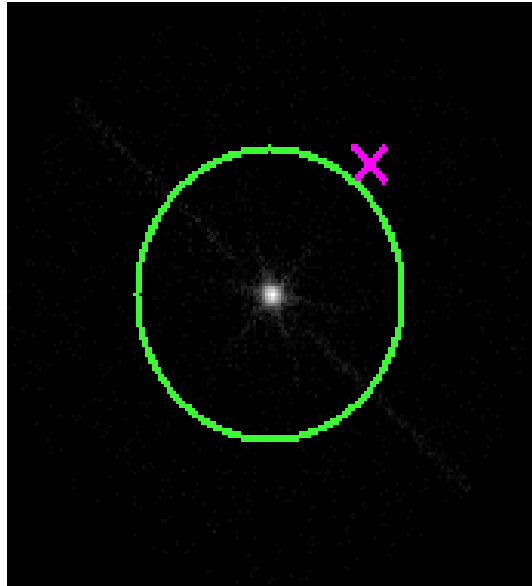


2.5.3 Slot 2



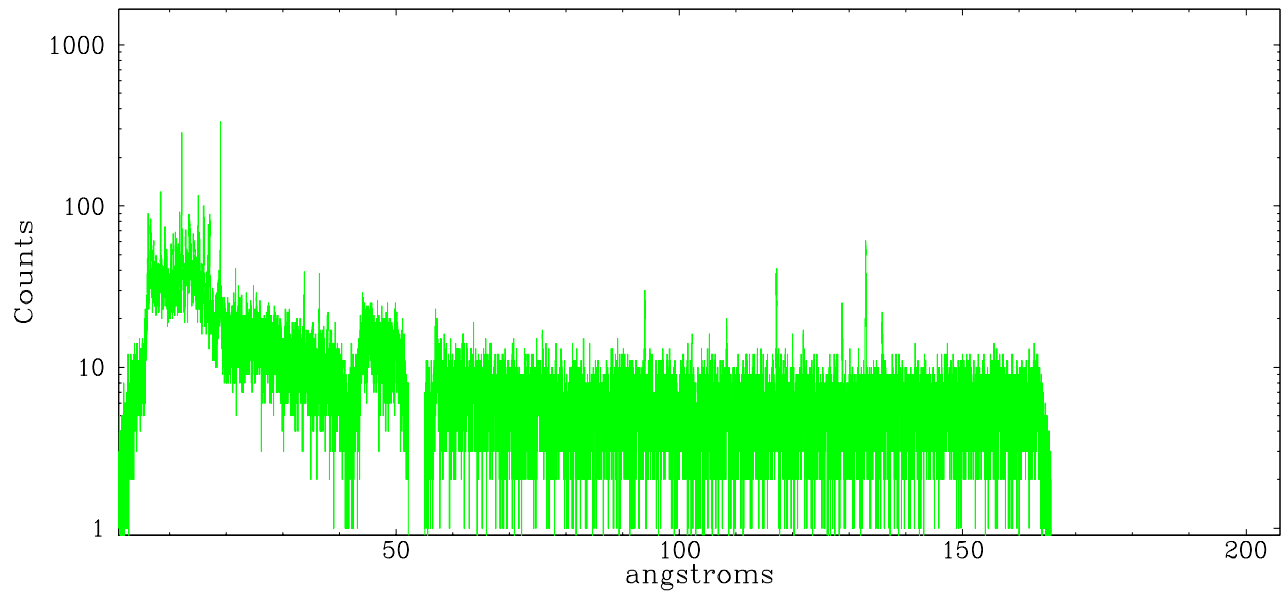
3 Gratings

3.1 LETG Arm

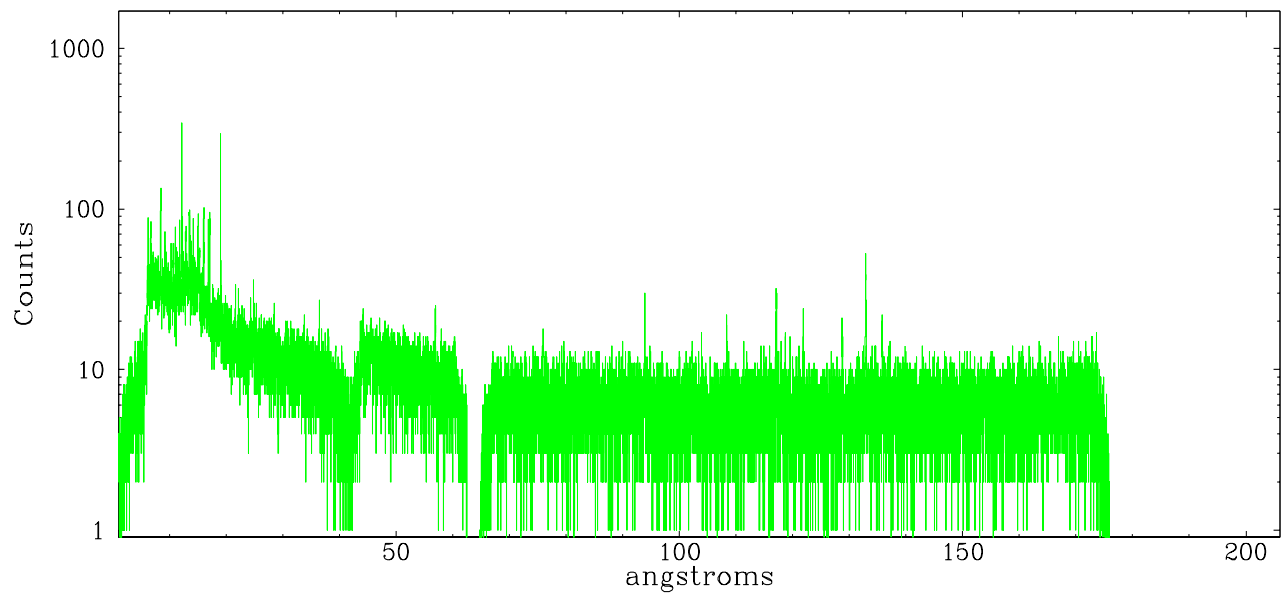


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2006.09.26 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 49.83 |

A.2 Comments