

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 855 - L2 Version 001
Chandra X-Ray Center

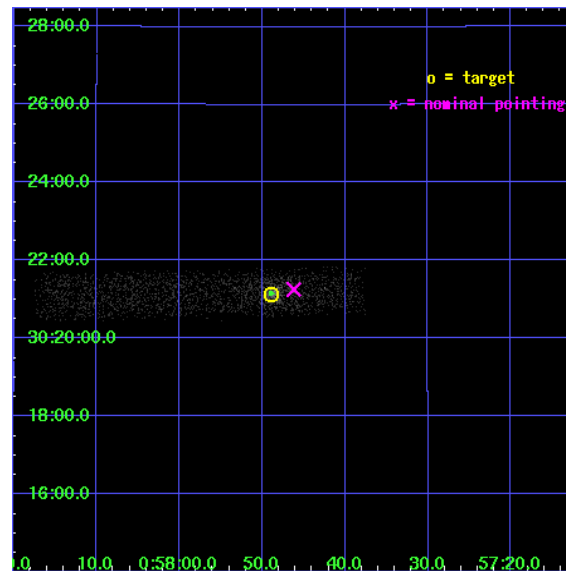
L2 Processing Date : Jun 9 2007

Contents

| | | |
|----------|-------------------------------|-----------|
| 1 | Front | 2 |
| 2 | OBI | 3 |
| 2.1 | OBI | 3 |
| 2.1.1 | Images | 3 |
| 2.1.2 | Bias | 3 |
| 2.1.3 | Parameters | 4 |
| 2.1.4 | Events | 4 |
| 2.2 | Compared Parameters | 5 |
| 2.3 | Aspect | 6 |
| 2.4 | Star Slots | 9 |
| 2.4.1 | Slot 3 | 9 |
| 2.4.2 | Slot 4 | 10 |
| 2.4.3 | Slot 5 | 11 |
| 2.4.4 | Slot 6 | 12 |
| 2.4.5 | Slot 7 | 13 |
| 2.5 | FID Slots | 14 |
| 2.5.1 | Slot 0 | 14 |
| 2.5.2 | Slot 1 | 15 |
| 2.5.3 | Slot 2 | 16 |
| 3 | Point Sources | 17 |
| A | Summary | 18 |
| A.1 | Status | 18 |
| A.2 | Comments | 18 |

1 Front

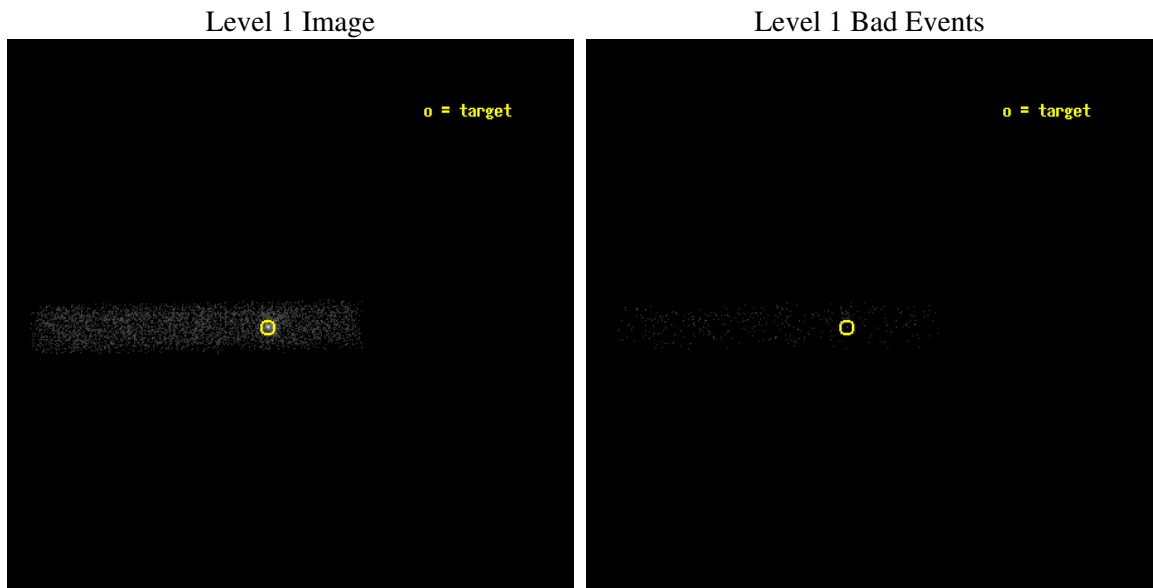
| | |
|----------|---|
| seq_num | 700160 |
| obs_id | 855 |
| title | HUNTING THE AGN CORES IN FR1 RADIO GALAXIES |
| observer | Prof Diana Worrall |
| object | B2 0055+30 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 14.45375 |
| dec_targ | 30.352417 |
| ra_nom | 14.442510883083 |
| dec_nom | 30.354283621447 |
| roll_nom | 178.87398851877 |
| revision | 2 |
| ontime | 5148.8000767231 |
| livetime | 4669.6898936361 |
| ontime7 | 5148.8000767231 |
| l2events | 3306 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.10 |
| caldbver | 3.4.0 |
| date | 2007-06-09T19:44:43 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 5000.000000 |
| ontime | 5148.8000767231 |
| ontime7 | 5148.8000767231 |
| l1events | 7013 |

2.1.4 Events

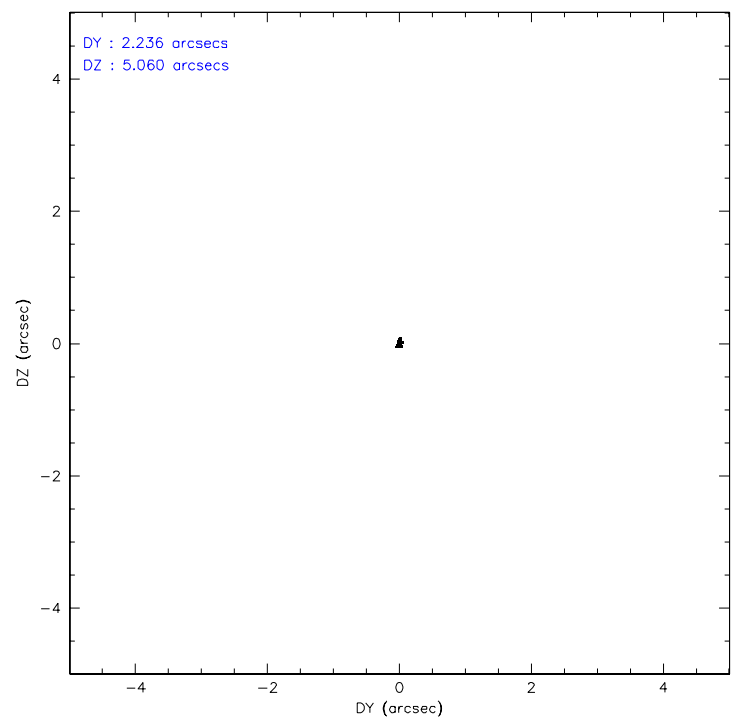
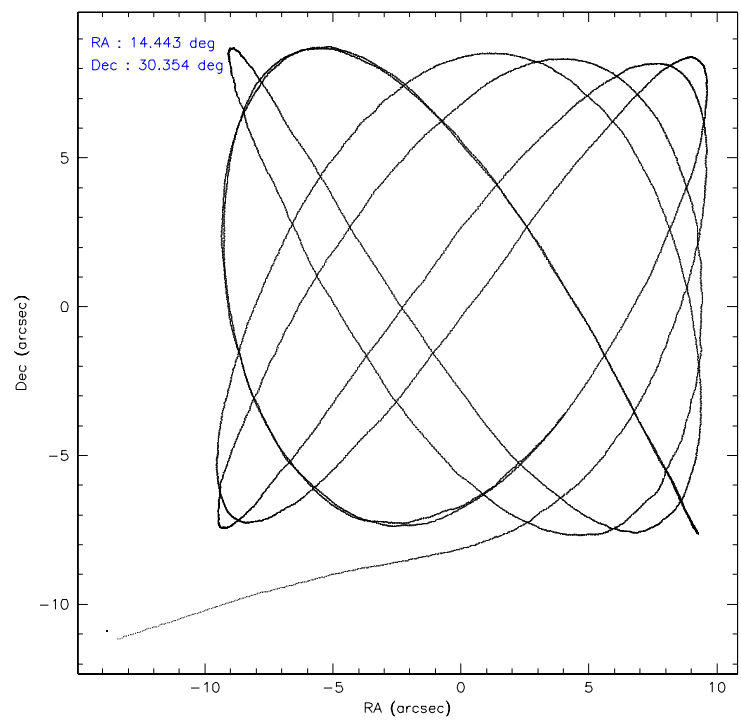
| | |
|-----------------|--------------|
| | ccd 7 |
| level 1 events | 7013 |
| rejected events | 3610 |
| rejected % | 51% |

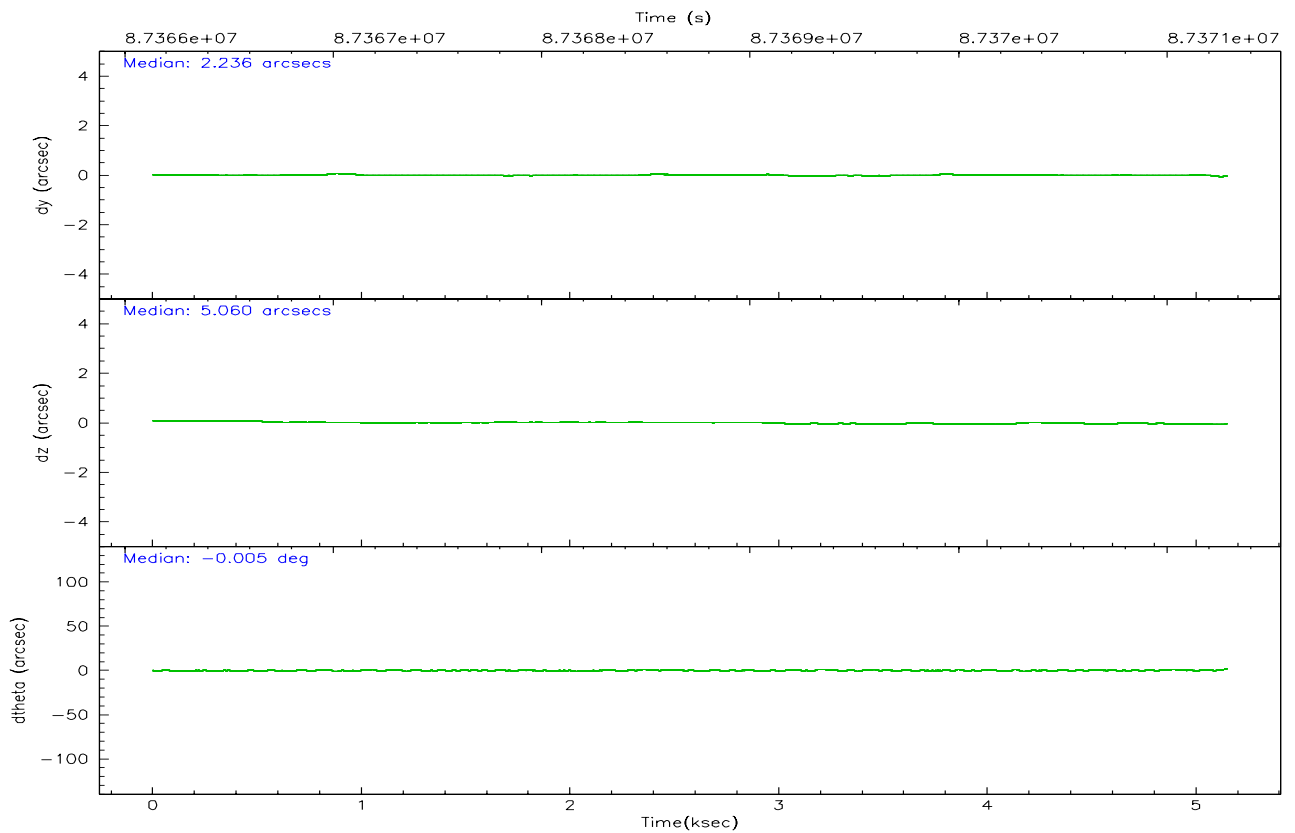
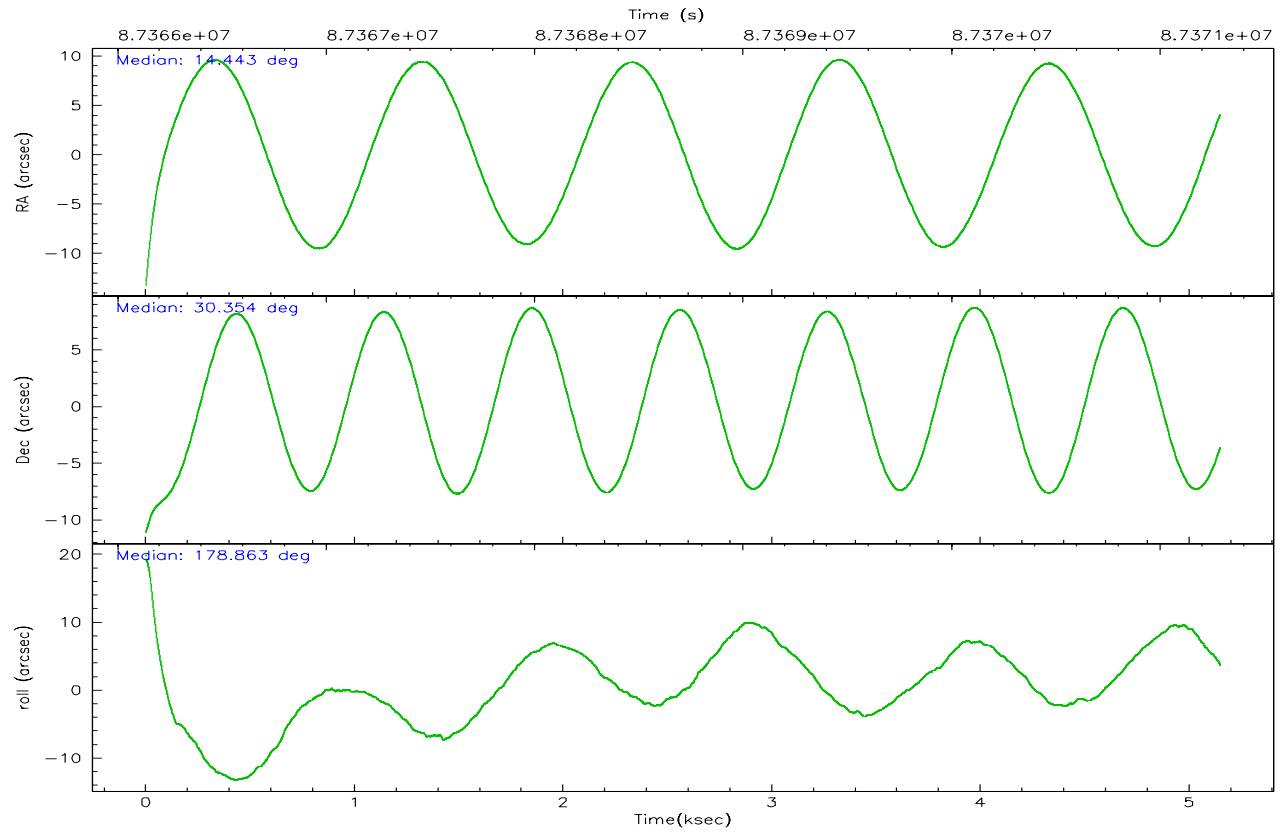
| | |
|----------------|--------------|
| | ccd 7 |
| grade 0 events | 636 |
| | 9% |
| grade 1 events | 4 |
| | 0% |
| grade 2 events | 821 |
| | 11% |
| grade 3 events | 508 |
| | 7% |
| grade 4 events | 474 |
| | 6% |
| grade 5 events | 545 |
| | 7% |
| grade 6 events | 1466 |
| | 20% |
| grade 7 events | 2559 |
| | 36% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-7 | ACIS-7 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | VFAINT | VFAINT | Number of optional ACIS chips dropped | 0 | 0 |
| Observation mode | POINTING | POINTING | On-chip summing requested | N | N |
| Pointing RA | 14.470181 | 14.44251088308262 | Subarray requested | CUSTOM | 1/8 |
| Pointing Dec | 30.367775 | 30.35428362144721 | Subarray start row | 449 | 449 |
| Pointing Roll | 178.703335 | 178.8739885187651 | Subarray row count | 128 | 128 |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | Alternating exposures requested | N | N |
| SIM defocus (mm) | 0 | 0.001444936568705701 | Primary exposure time | 0.000000 | 0.4 |
| SIM translation stage pos (mm) | -190.132523 | -190.1425803651734 | | | |
| SIM translation stage offset (mm) | 0 | 0.01005778216563158 | | | |
| Observation start time | 87366287.184000 | 87365202.522461 | | | |
| Observation start date | 2000-10-08T04:23:43 | 2000-10-08T04:06:42 | | | |
| Observation end time | 87371287.184000 | 87372160.22272401 | | | |
| Observation end date | 2000-10-08T05:47:03 | 2000-10-08T06:02:40 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



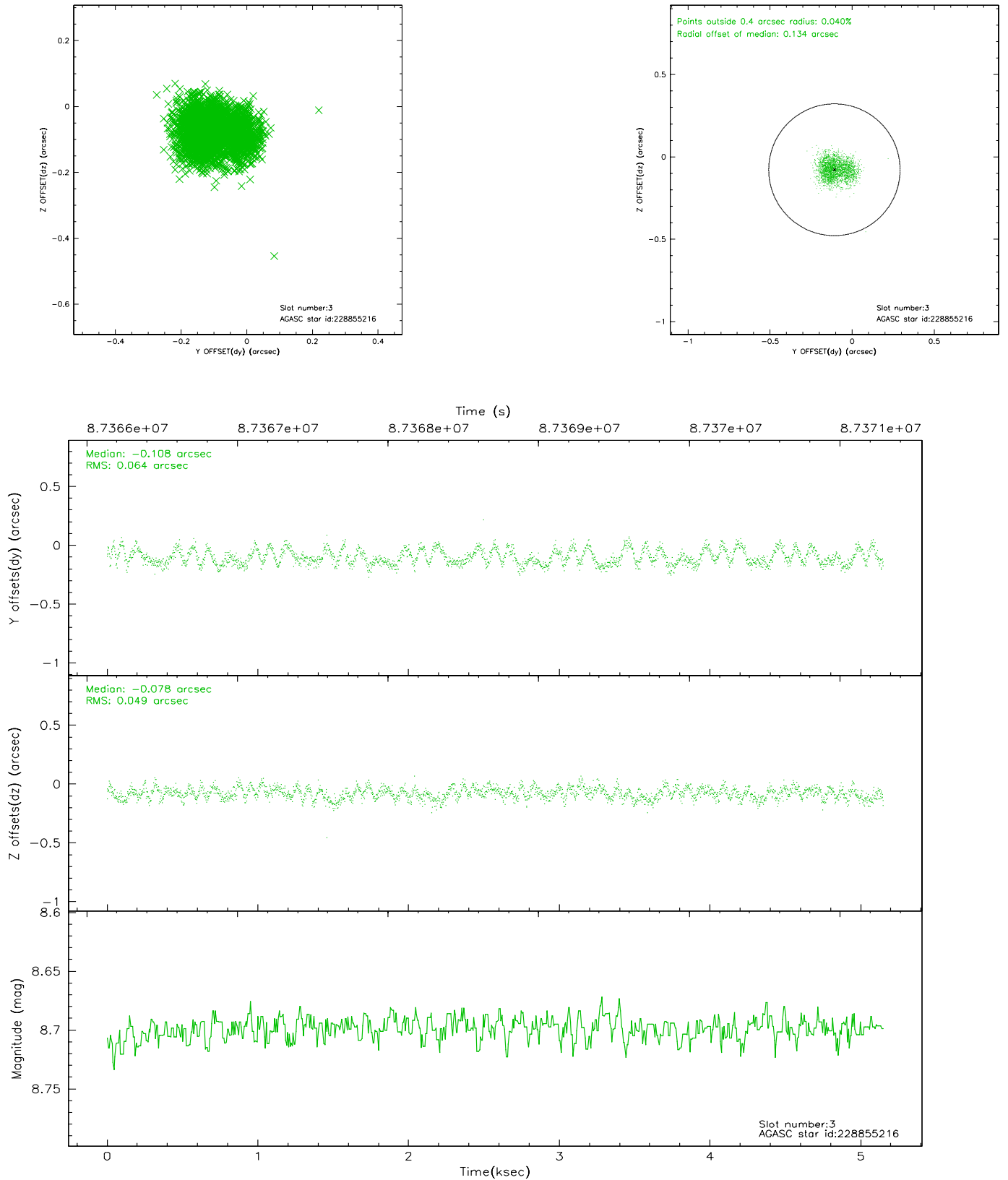


Slot Statistics

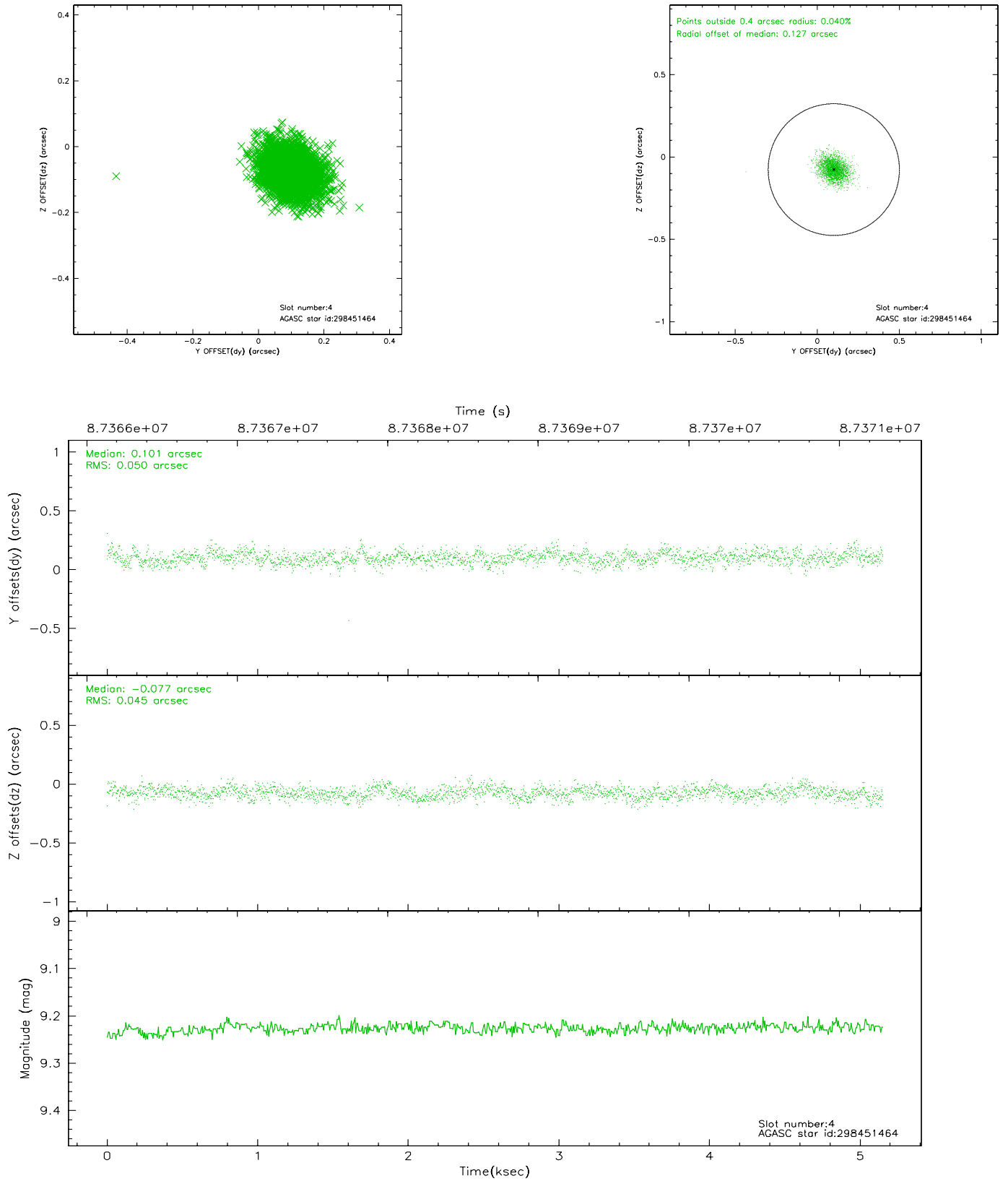
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|-----------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.11 | 1256 | -0.031 | 0.012 | 0.006 | 0.009 | 0.000000 | 0.000000 | -754.86 | -1726.12 |
| 1 | FID | ACIS-S-4 | 7.20 | 1256 | -0.040 | 0.012 | 0.004 | 0.008 | 0.000000 | 0.000000 | 2157.85 | 181.19 |
| 2 | FID | ACIS-S-5 | 7.24 | 1256 | 0.040 | -0.015 | 0.005 | 0.009 | 0.000000 | 0.000000 | -1806.14 | 176.11 |
| 3 | GUIDE | 228855216 | 8.70 | 2512 | -0.108 | -0.078 | 0.088 | 0.133 | 14.020790 | 29.780205 | 1356.42 | 2143.80 |
| 4 | GUIDE | 298451464 | 9.23 | 2513 | 0.101 | -0.077 | 0.071 | 0.117 | 14.113380 | 30.265595 | 1102.27 | 391.98 |
| 5 | GUIDE | 298453544 | 9.33 | 2512 | 0.065 | 0.069 | 0.077 | 0.129 | 14.058324 | 30.732014 | 1305.49 | -1284.07 |
| 6 | GUIDE | 298457824 | 9.48 | 2512 | -0.096 | 0.069 | 0.094 | 0.155 | 14.309872 | 30.912912 | 541.07 | -1951.59 |
| 7 | GUIDE | 298454904 | 9.77 | 2509 | 0.032 | 0.014 | 0.094 | 0.152 | 13.962266 | 30.089388 | 1560.02 | 1033.63 |

2.4 Star Slots

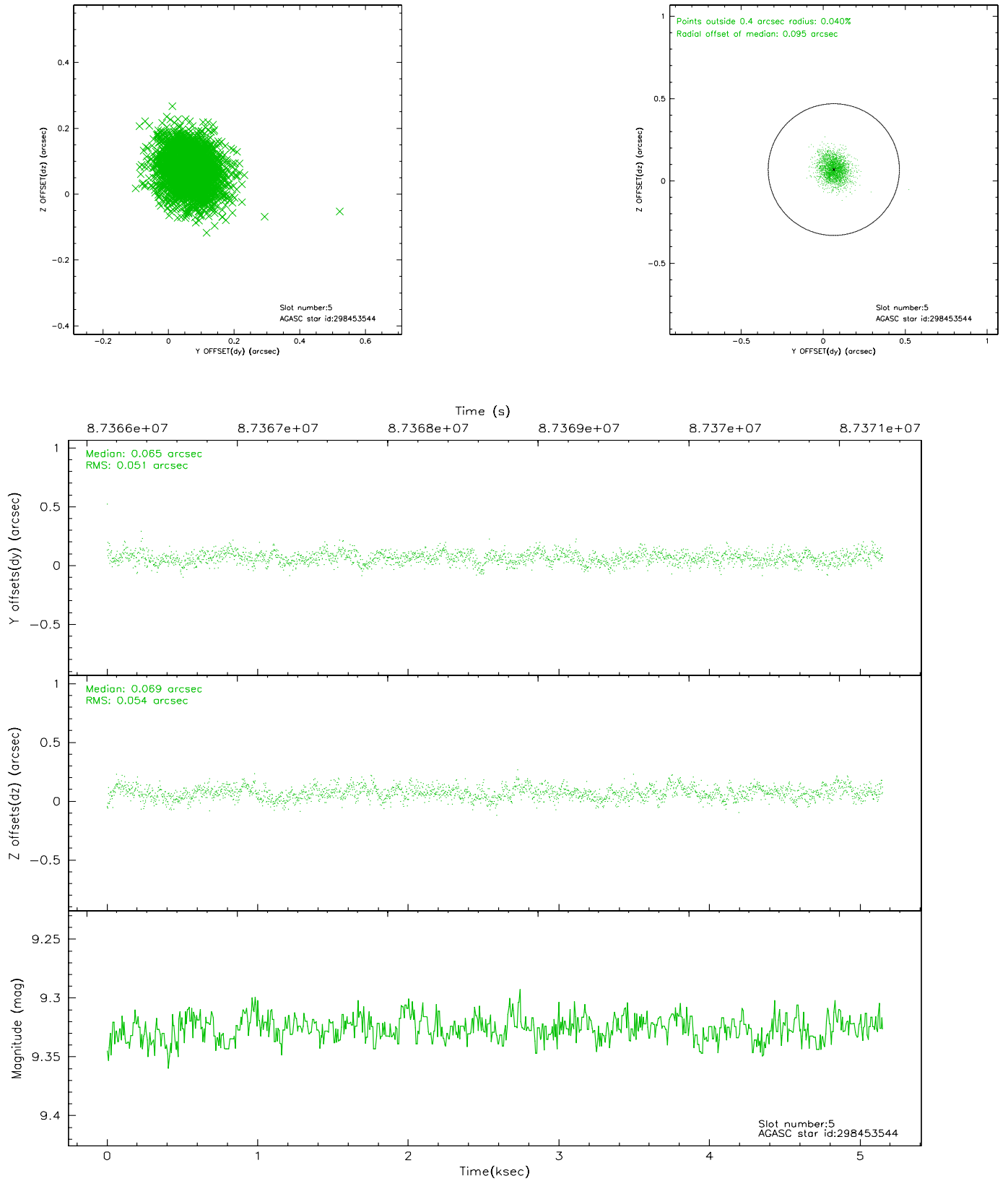
2.4.1 Slot 3



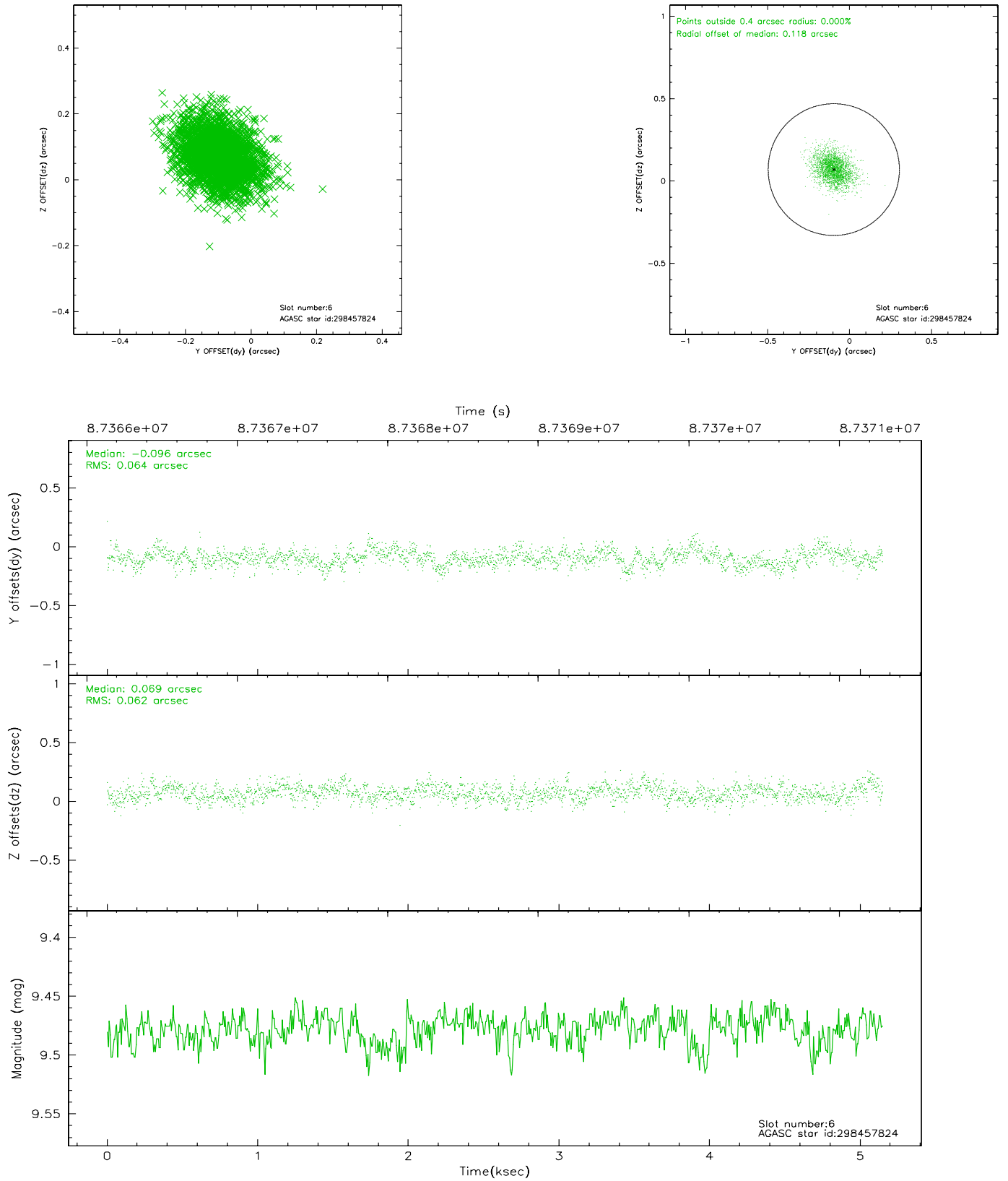
2.4.2 Slot 4



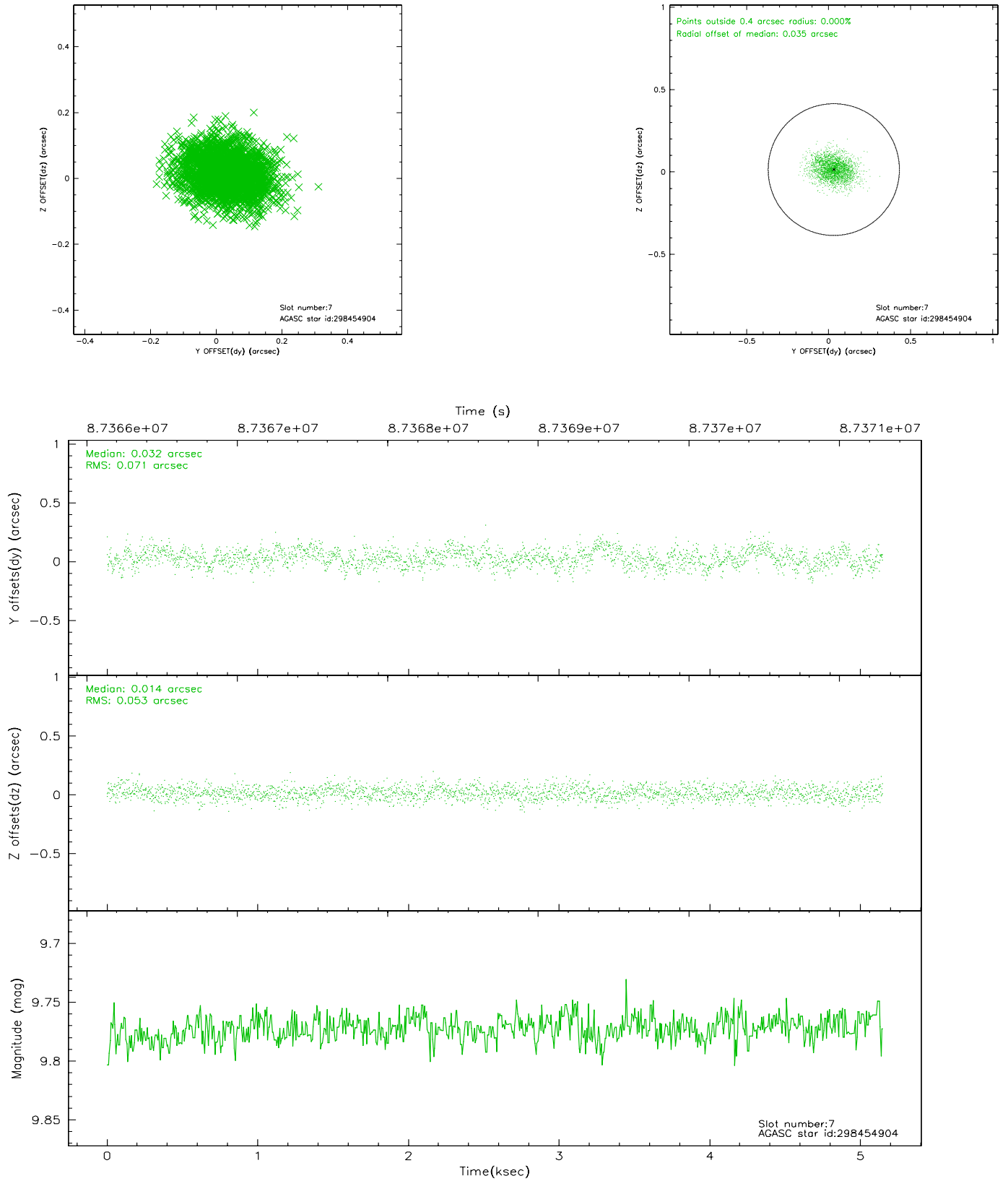
2.4.3 Slot 5



2.4.4 Slot 6

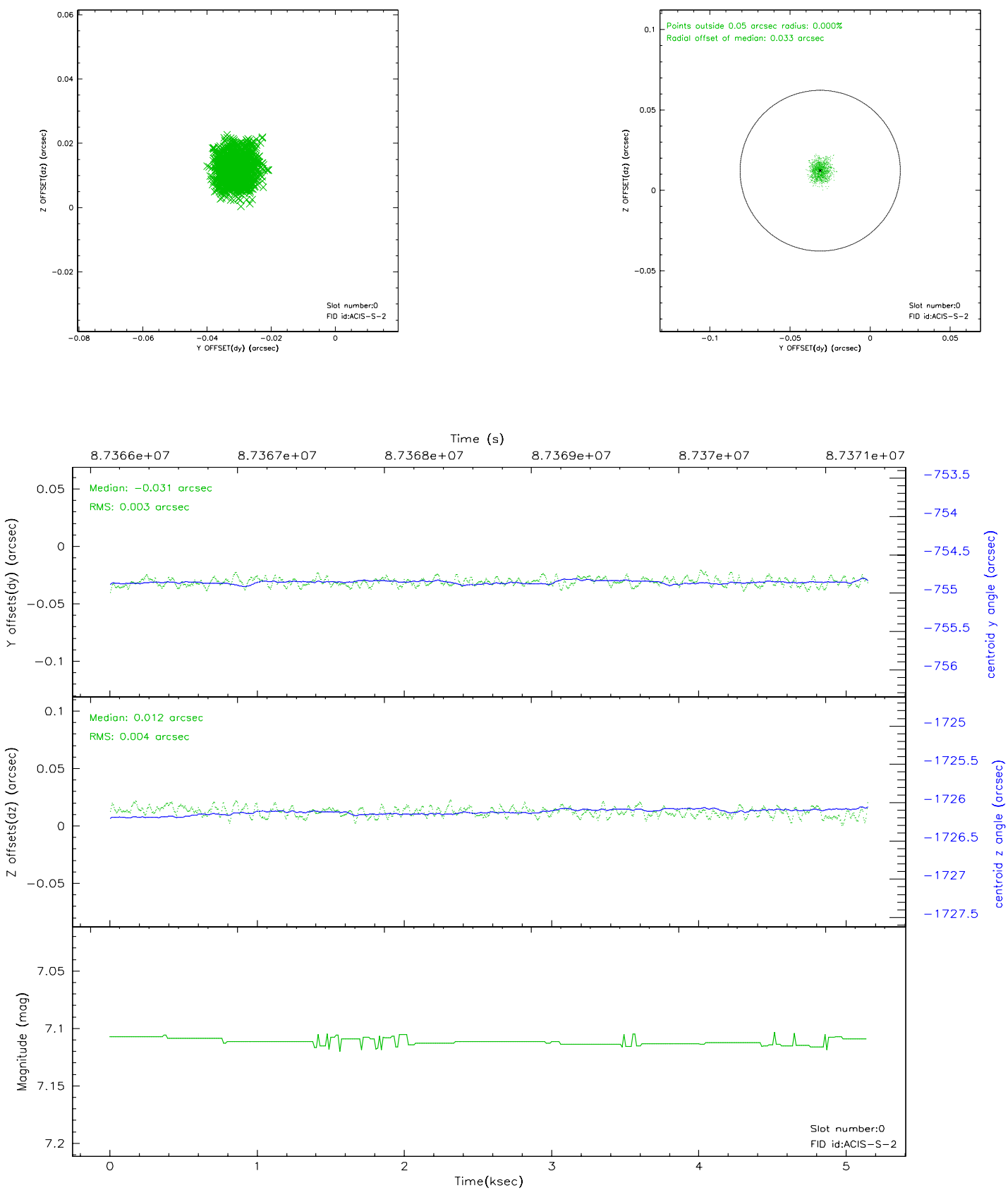


2.4.5 Slot 7

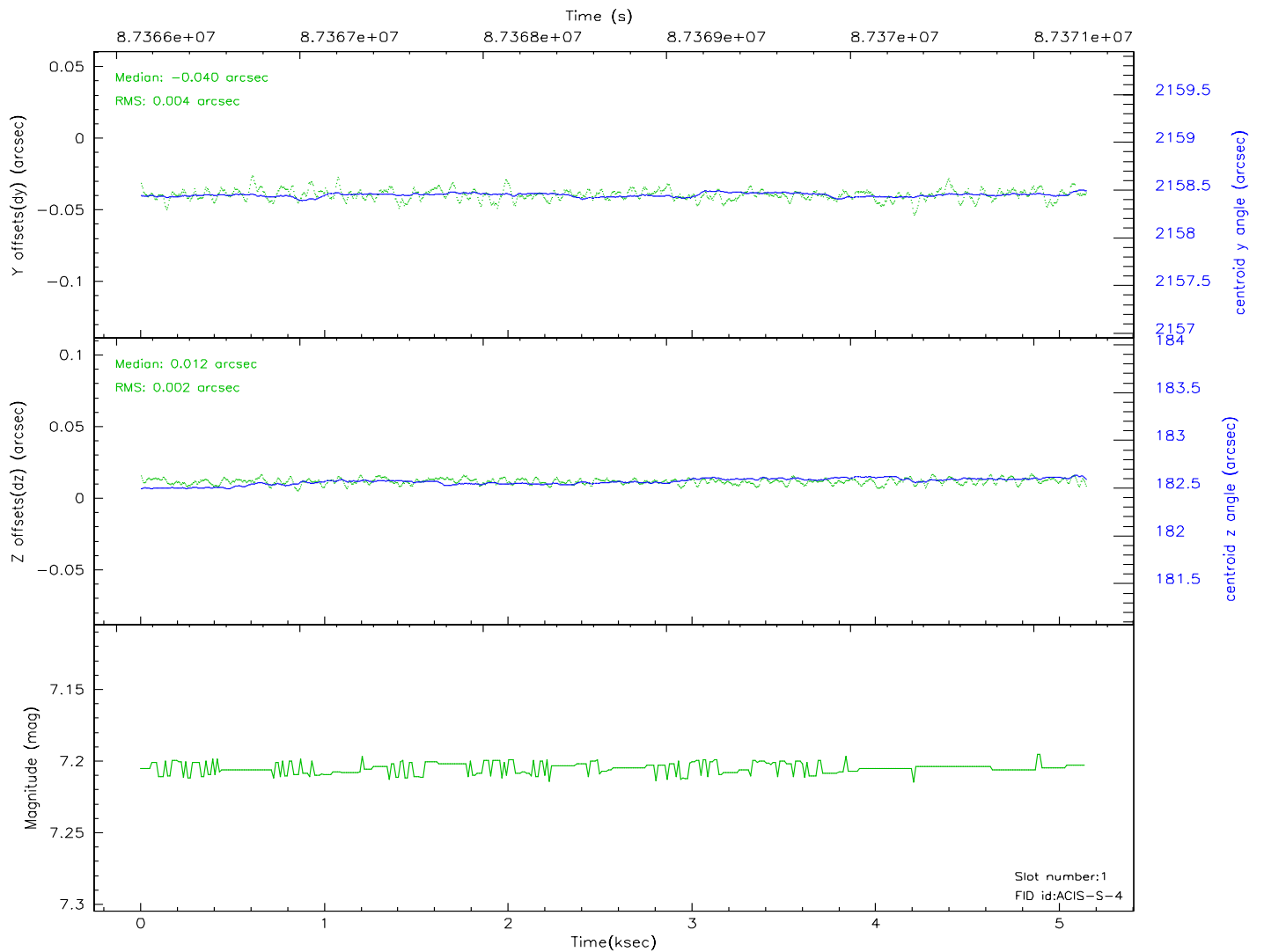
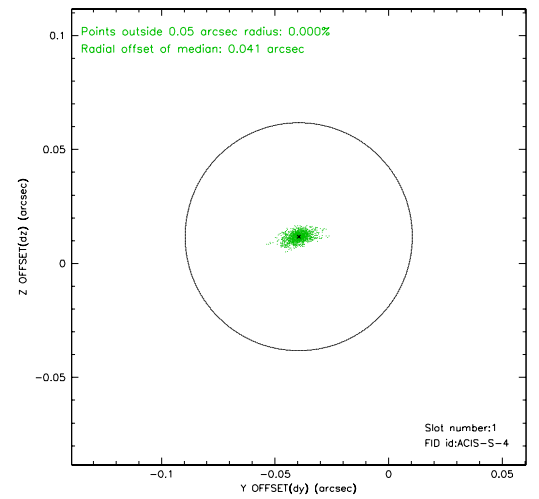
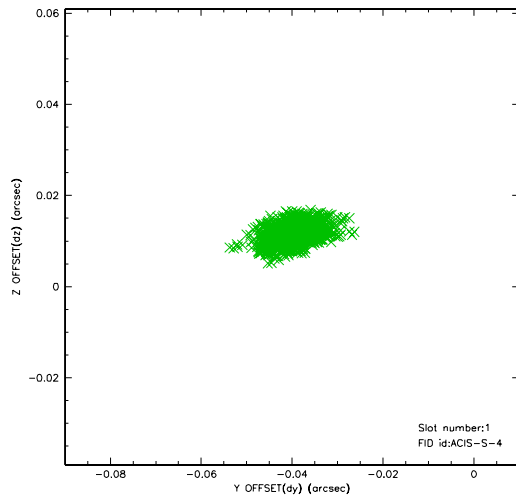


2.5 FID Slots

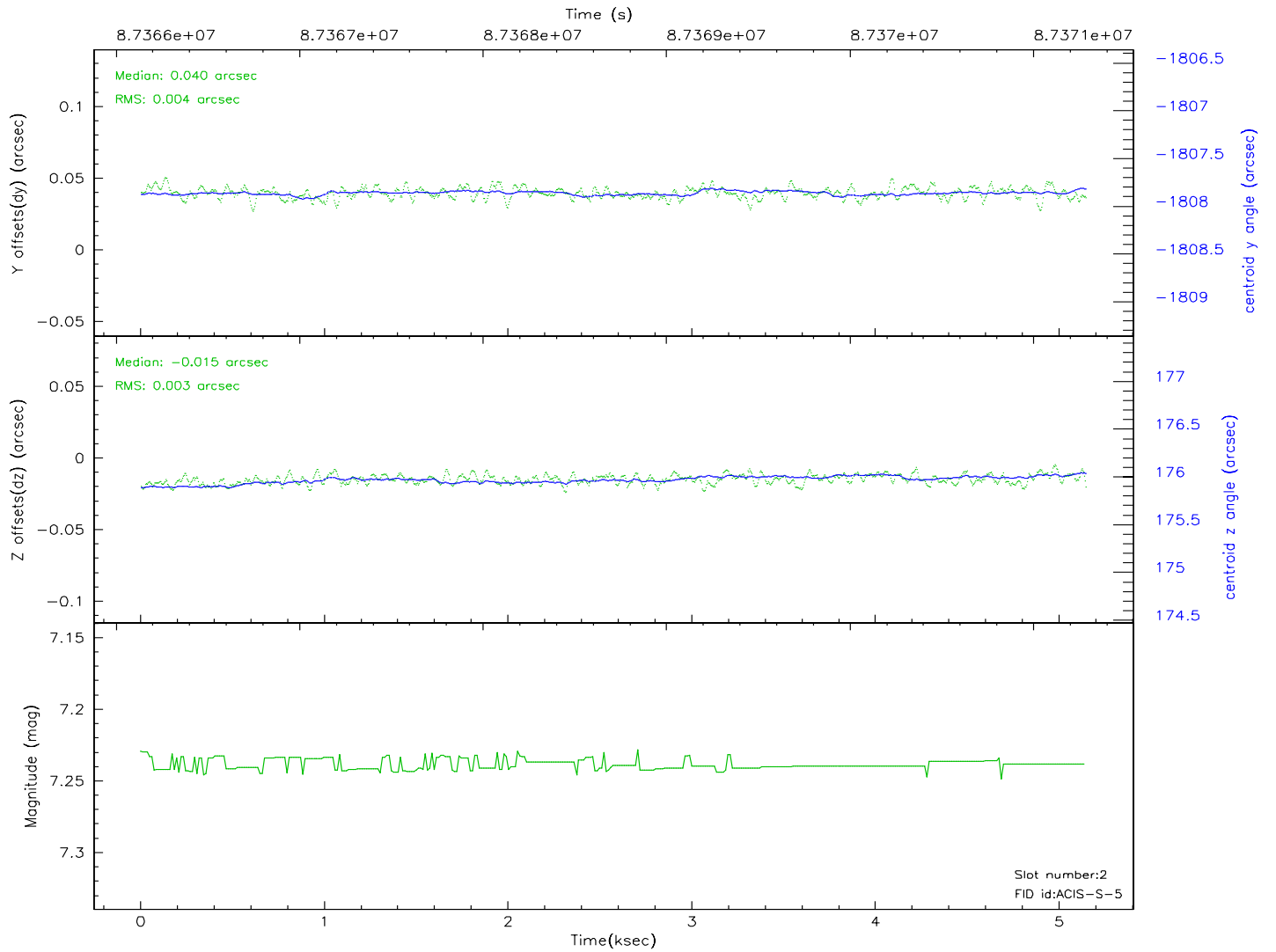
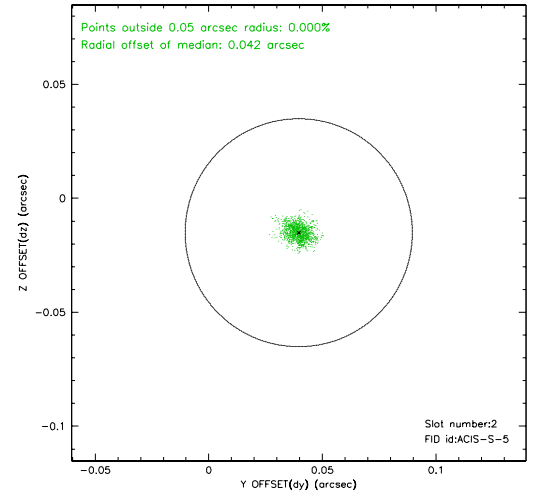
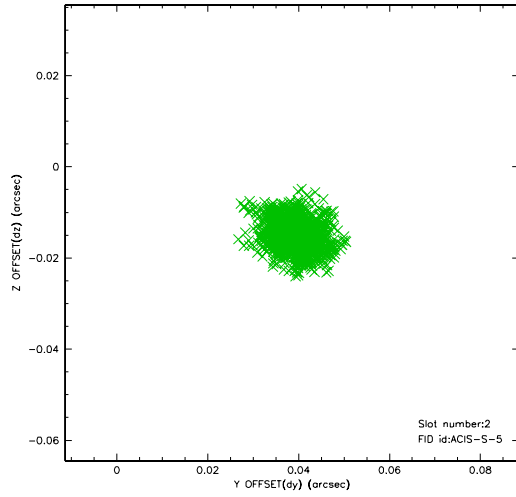
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2007.06.11 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 5.148 |

A.2 Comments