

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4557 - L2 Version 002
Chandra X-Ray Center

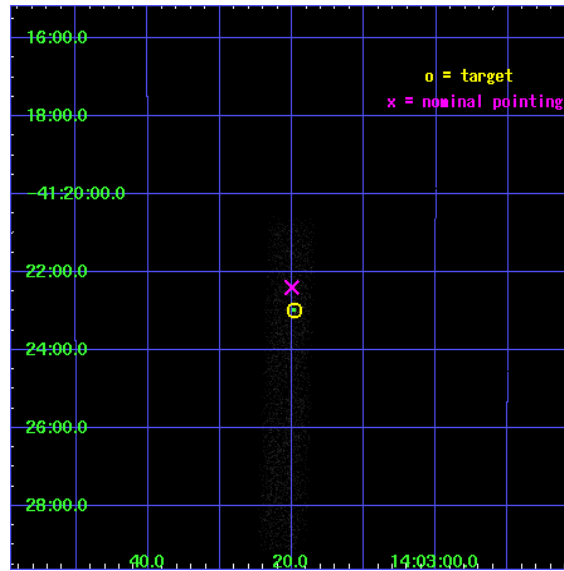
L2 Processing Date : Apr 7 2006

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1 Front

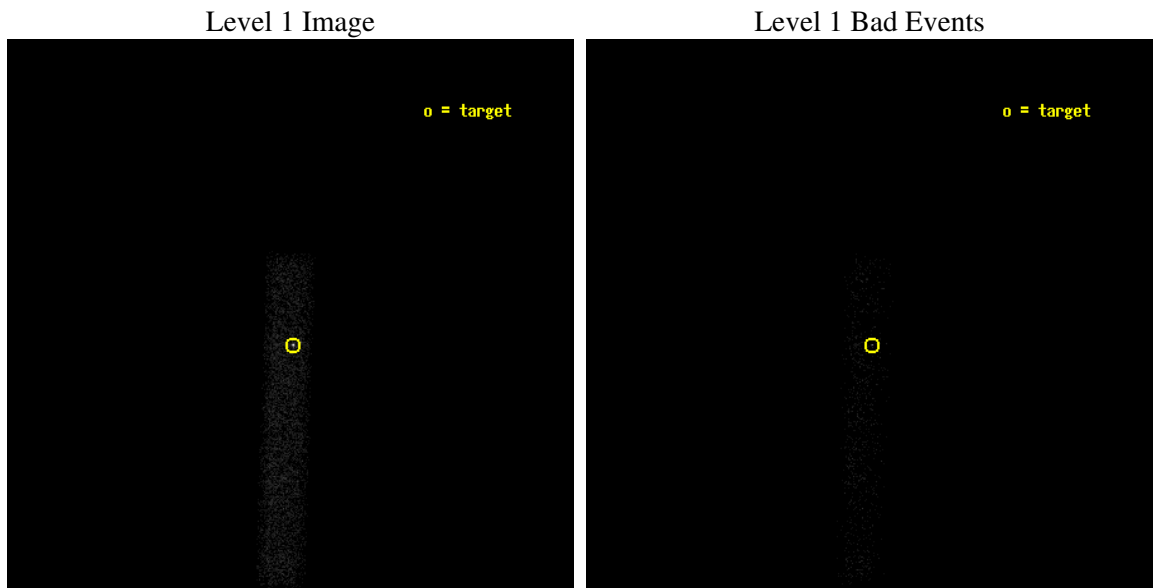
| | |
|----------|---|
| seq_num | 400340 |
| obs_id | 4557 |
| title | Monitoring the ultraluminous x-ray source in NGC 5408 |
| observer | Prof. Philip Kaaret |
| object | NGC 5408 ULX |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 210.831667 |
| dec_targ | -41.382972 |
| ra_nom | 210.83345098541 |
| dec_nom | -41.373415137007 |
| roll_nom | 91.808530268588 |
| revision | 2 |
| ontime | 5142.8000766337 |
| livetime | 4664.2482102609 |
| ontime7 | 5142.8000766337 |
| l2events | 4631 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7.1 |
| caldbver | 3.2.1 |
| date | 2006-04-07T07:48:50 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 5000.000000 |
| ontime | 6088.9239741862 |
| ontime7 | 6088.9239741862 |
| l1events | 10407 |

2.1.4 Events

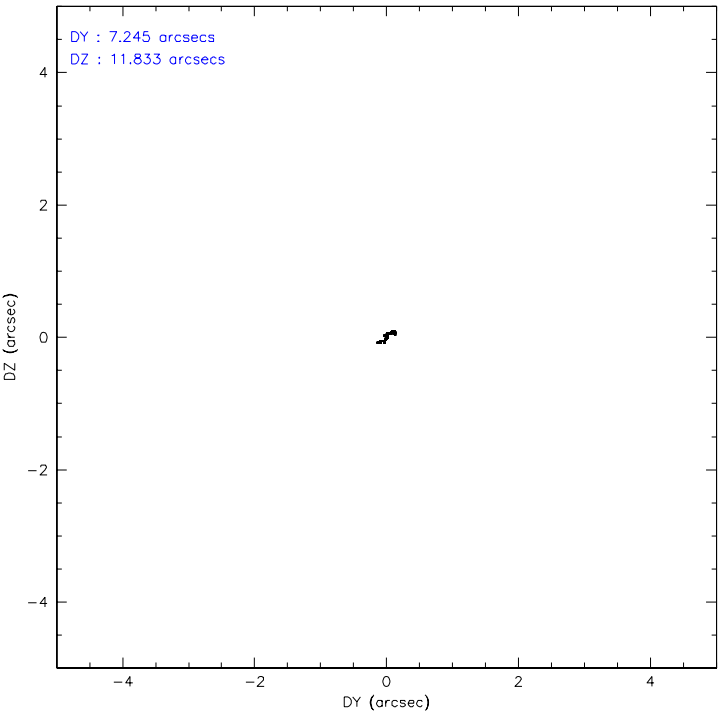
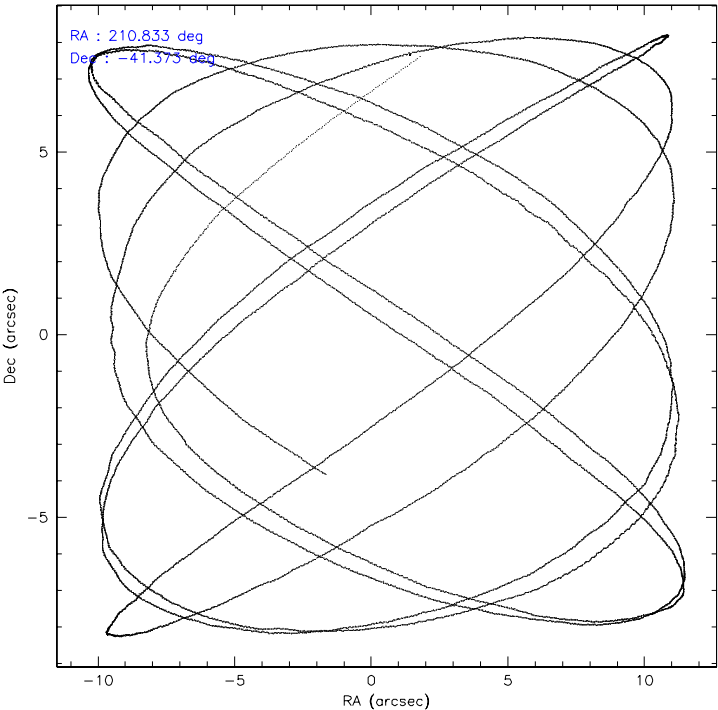
| | |
|-----------------|--------------|
| | ccd 7 |
| level 1 events | 10407 |
| rejected events | 5676 |
| rejected % | 54% |

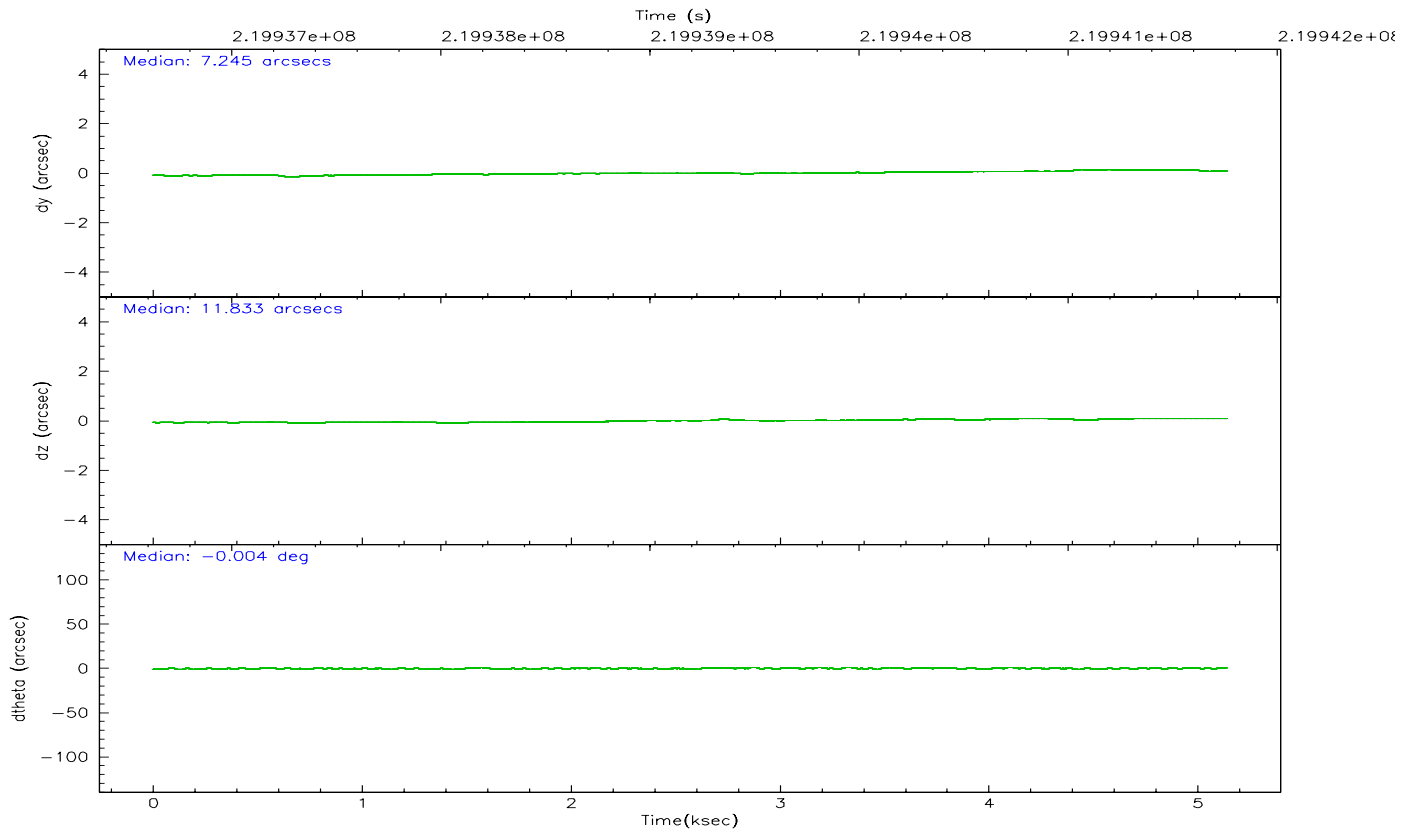
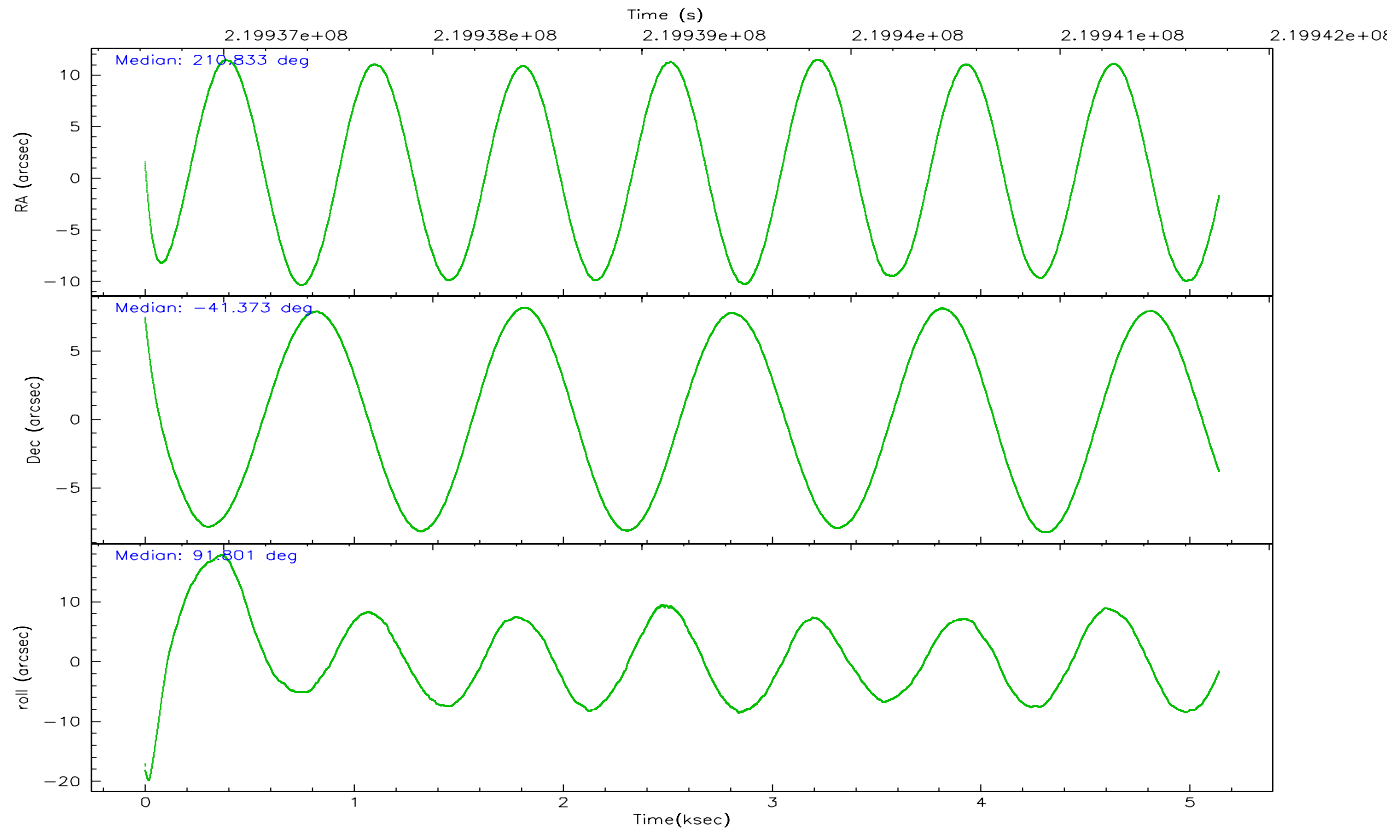
| | |
|----------------|--------------|
| | ccd 7 |
| grade 0 events | 880 |
| | 8% |
| grade 1 events | 13 |
| | 0% |
| grade 2 events | 1251 |
| | 12% |
| grade 3 events | 588 |
| | 5% |
| grade 4 events | 525 |
| | 5% |
| grade 5 events | 692 |
| | 6% |
| grade 6 events | 2088 |
| | 20% |
| grade 7 events | 4370 |
| | 41% |

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 | FAINT | FAINT | On-chip summing requested | N | N |
| Observation mode | POINTING | POINTING | Subarray requested | 1/8 | 1/8 |
| Pointing RA | 210.853081 | 210.8334509854122 | Subarray start row | 0 | 449 |
| Pointing Dec | -41.396341 | -41.37341513700735 | Subarray row count | 1024 | 128 |
| Pointing Roll | 91.664960 | 91.80853026858806 | Alternating exposures requested | N | N |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | Primary exposure time | 0.000000 | 0.4 |
| SIM defocus (mm) | 0 | 0.001444936568705701 | | | |
| SIM translation stage pos (mm) | -190.132523 | -190.1425803651734 | | | |
| SIM translation stage offset (mm) | 0 | 0.01005778216563158 | | | |
| Observation start time | 219936765.184000 | 219935676.59244 | | | |
| Observation start date | 2004-12-20T13:31:41 | 2004-12-20T13:14:36 | | | |
| Observation end time | 219941765.184000 | 219943188.81778 | | | |
| Observation end date | 2004-12-20T14:55:01 | 2004-12-20T15:19:48 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



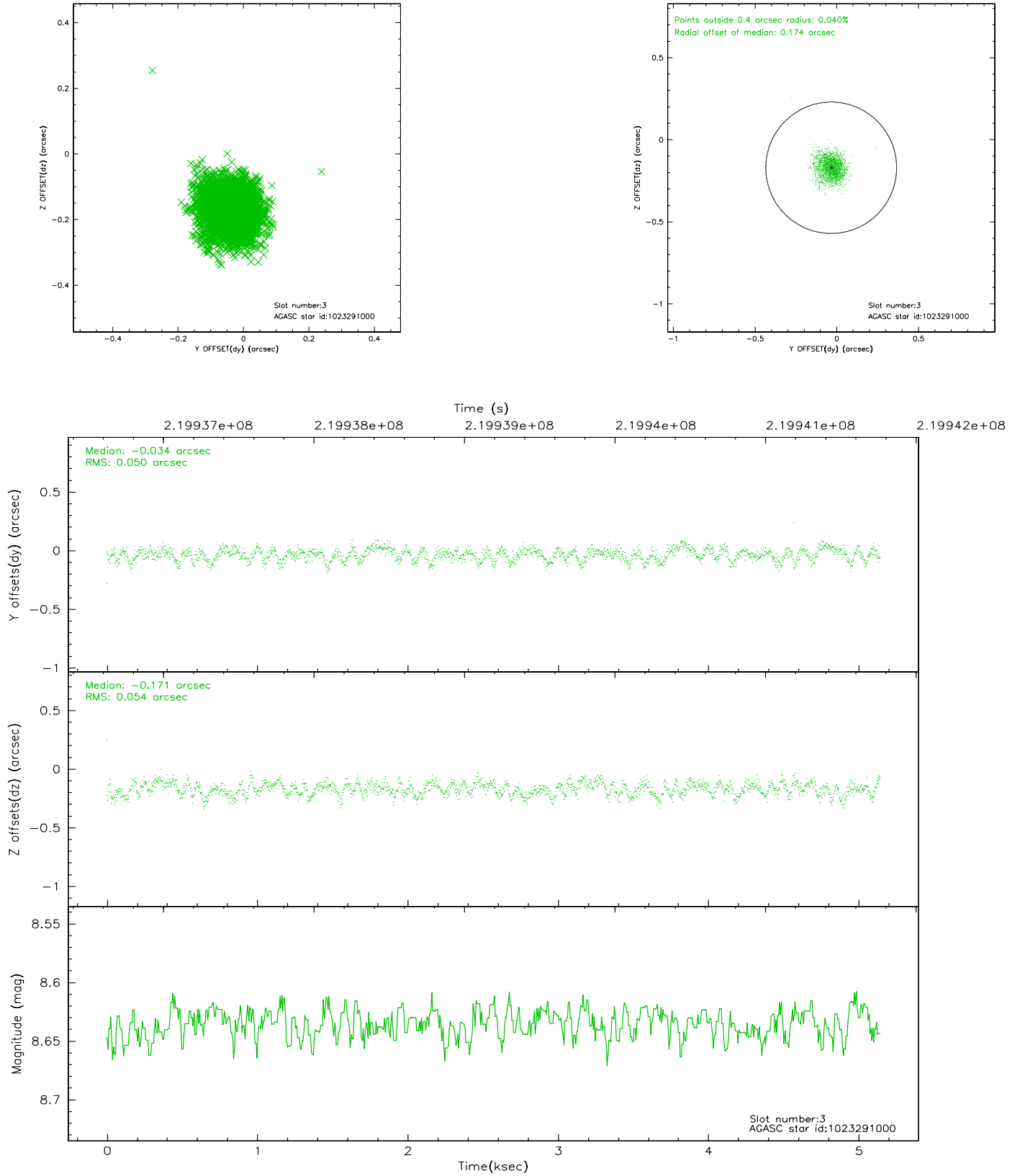


Slot Statistics

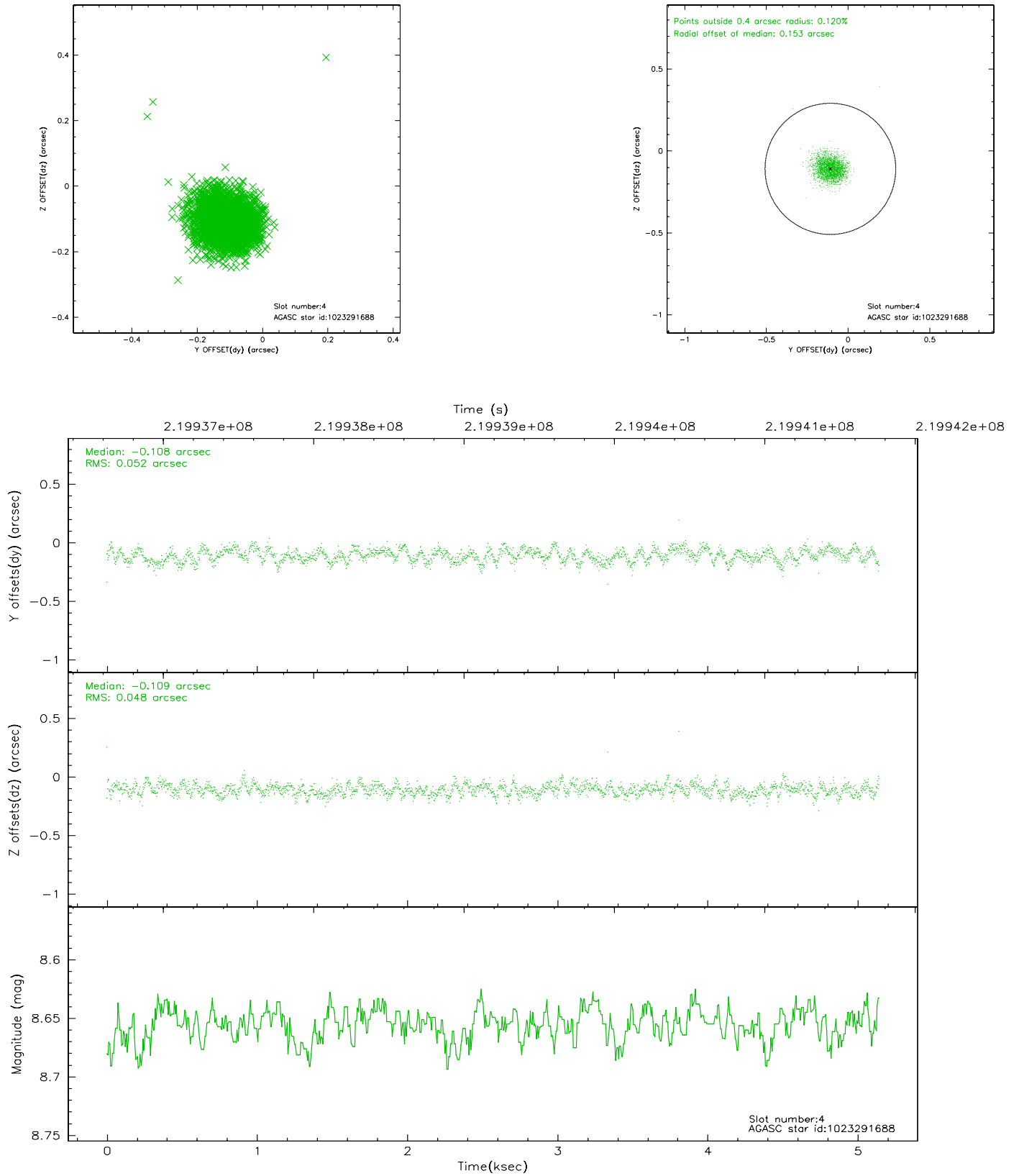
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.10 | 1255 | -0.014 | 0.002 | 0.007 | 0.011 | 0.000000 | 0.000000 | -760.01 | -1733.08 |
| 1 | FID | ACIS-S-4 | 7.20 | 1255 | 0.023 | 0.006 | 0.005 | 0.009 | 0.000000 | 0.000000 | 2152.76 | 174.20 |
| 2 | FID | ACIS-S-5 | 7.23 | 1255 | -0.040 | 0.000 | 0.007 | 0.012 | 0.000000 | 0.000000 | -1811.37 | 169.20 |
| 3 | GUIDE | 1023291000 | 8.64 | 2509 | -0.034 | -0.171 | 0.079 | 0.123 | 210.097476 | -41.108006 | 1087.96 | 2018.75 |
| 4 | GUIDE | 1023291688 | 8.65 | 2510 | -0.108 | -0.109 | 0.074 | 0.116 | 210.168569 | -41.185177 | 806.68 | 1832.55 |
| 5 | GUIDE | 1023822680 | 8.87 | 2510 | 0.043 | 0.129 | 0.069 | 0.113 | 211.176618 | -41.286245 | 369.64 | -885.32 |
| 6 | GUIDE | 1023824840 | 9.45 | 2505 | 0.146 | 0.131 | 0.100 | 0.167 | 210.682919 | -41.618703 | -786.98 | 480.58 |
| 7 | GUIDE | 1023292600 | 9.39 | 2508 | -0.039 | 0.019 | 0.106 | 0.167 | 210.176441 | -41.207792 | 724.16 | 1812.46 |

2.4 Star Slots

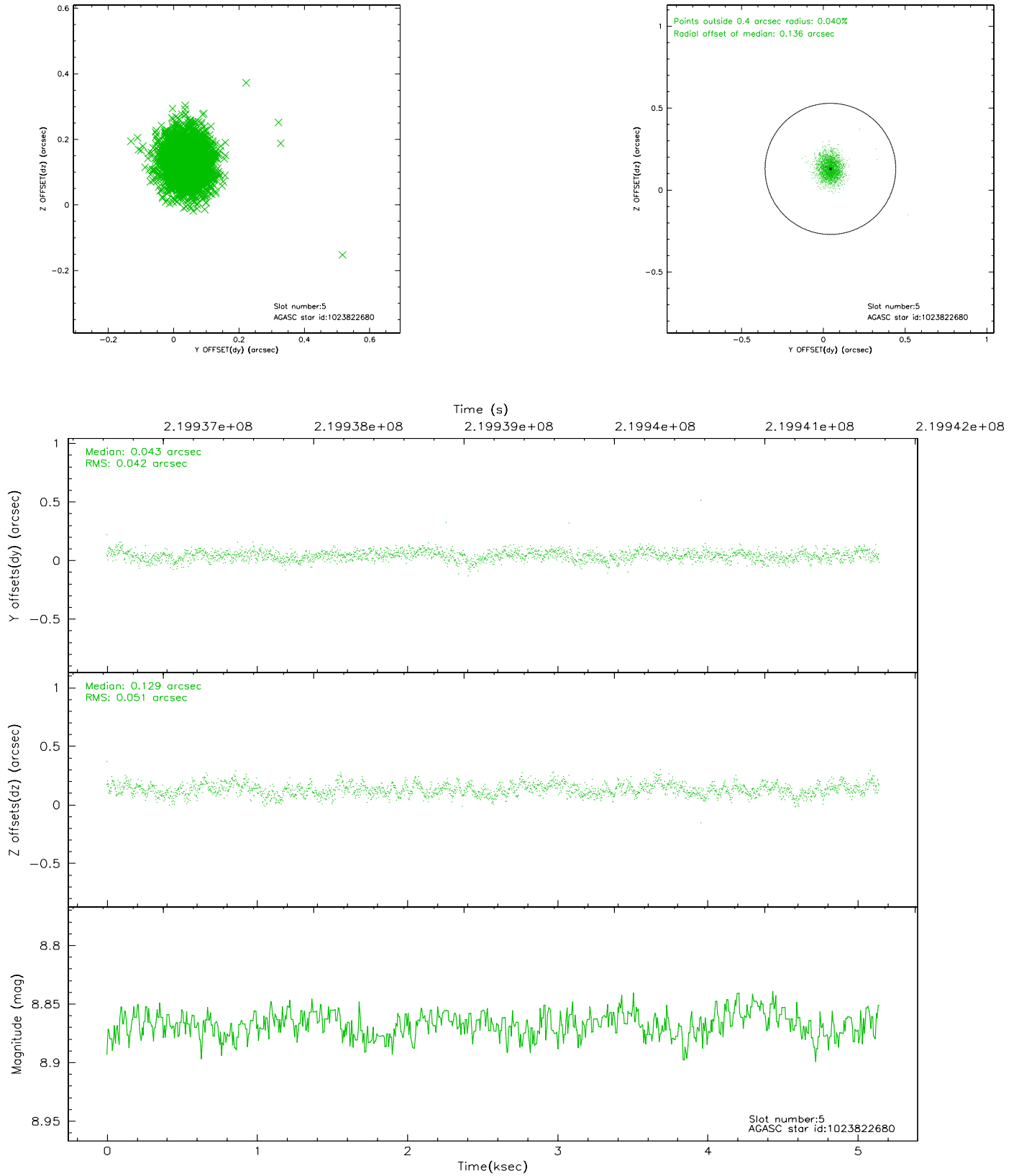
2.4.1 Slot 3



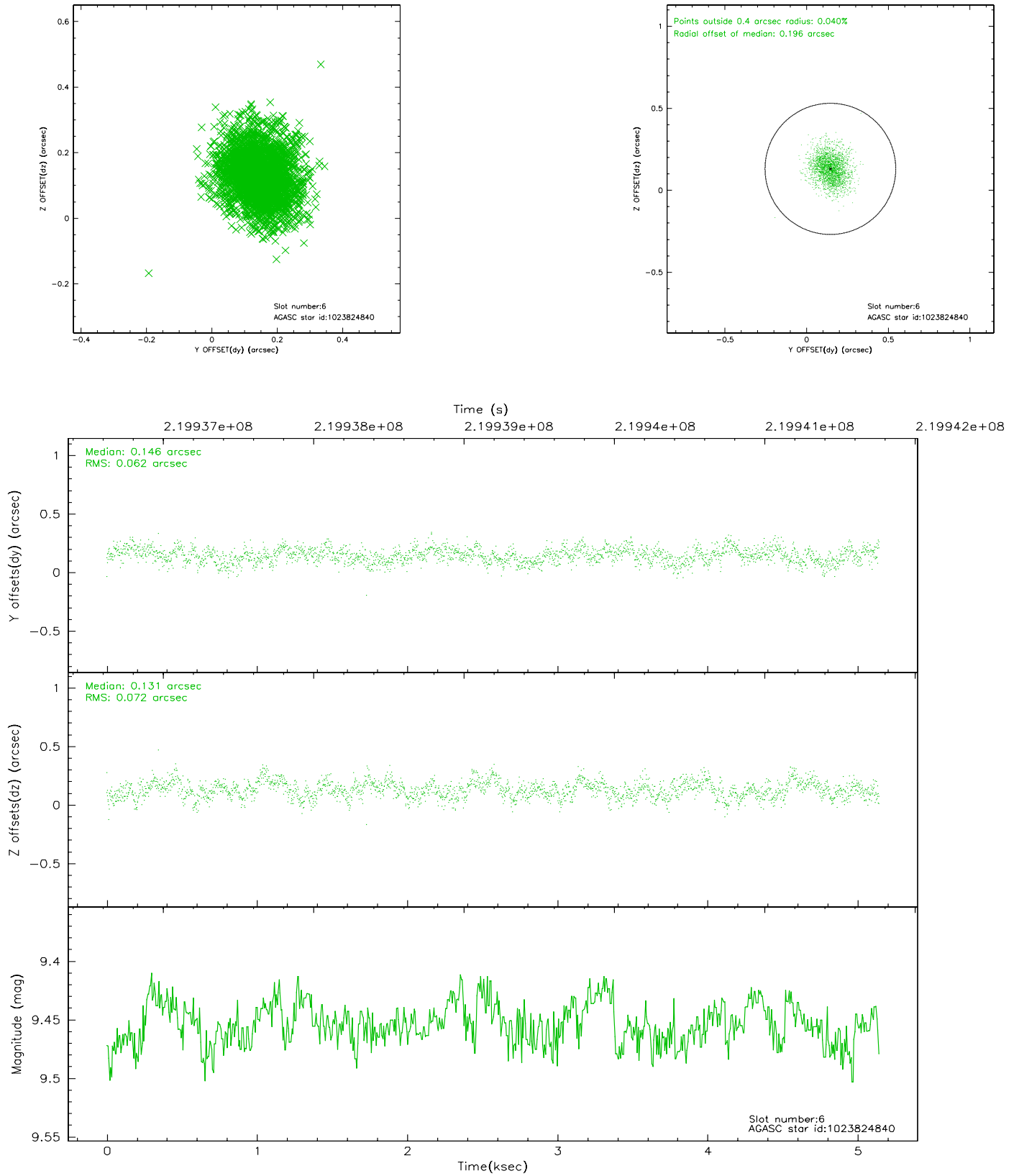
2.4.2 Slot 4



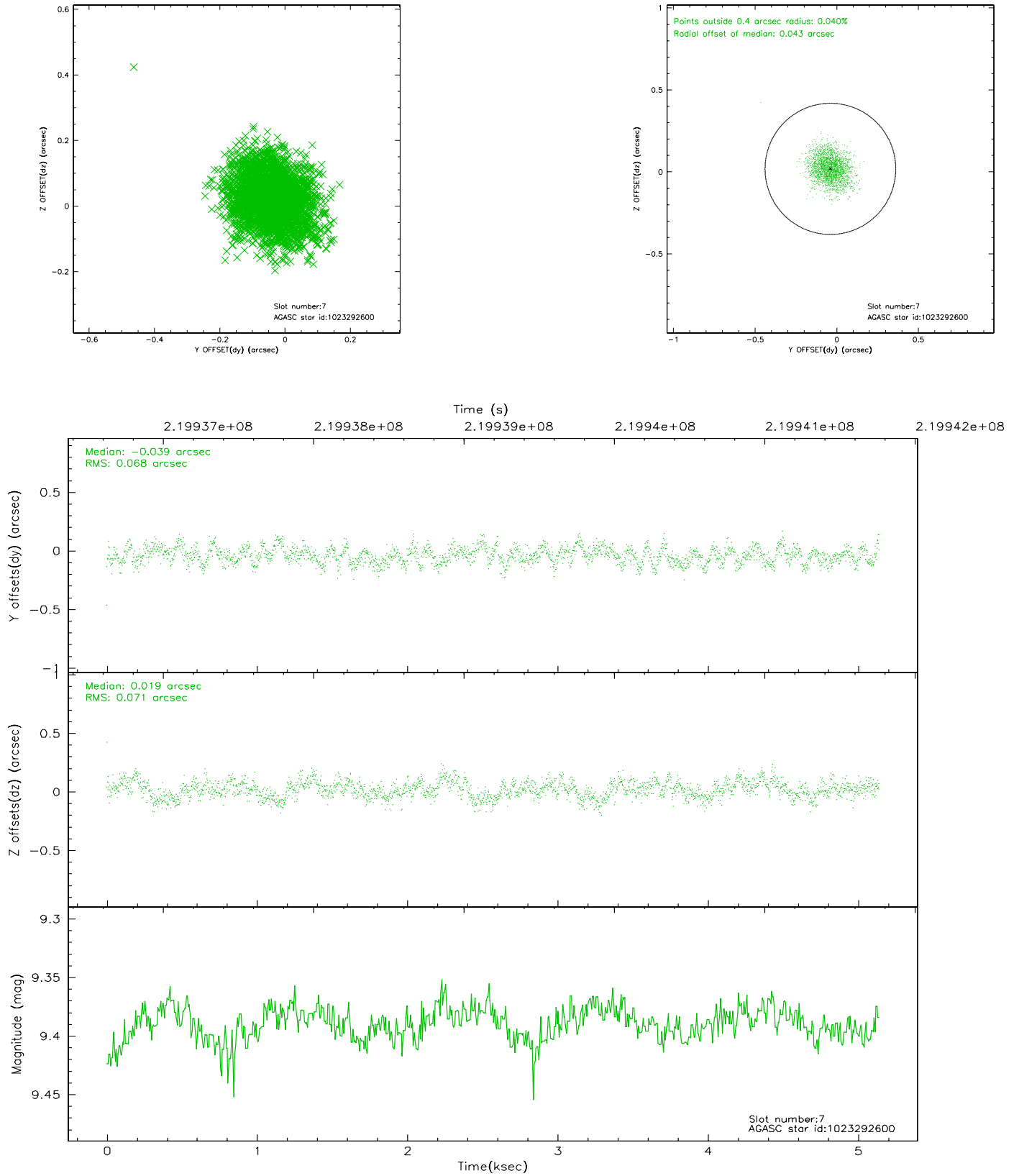
2.4.3 Slot 5



2.4.4 Slot 6

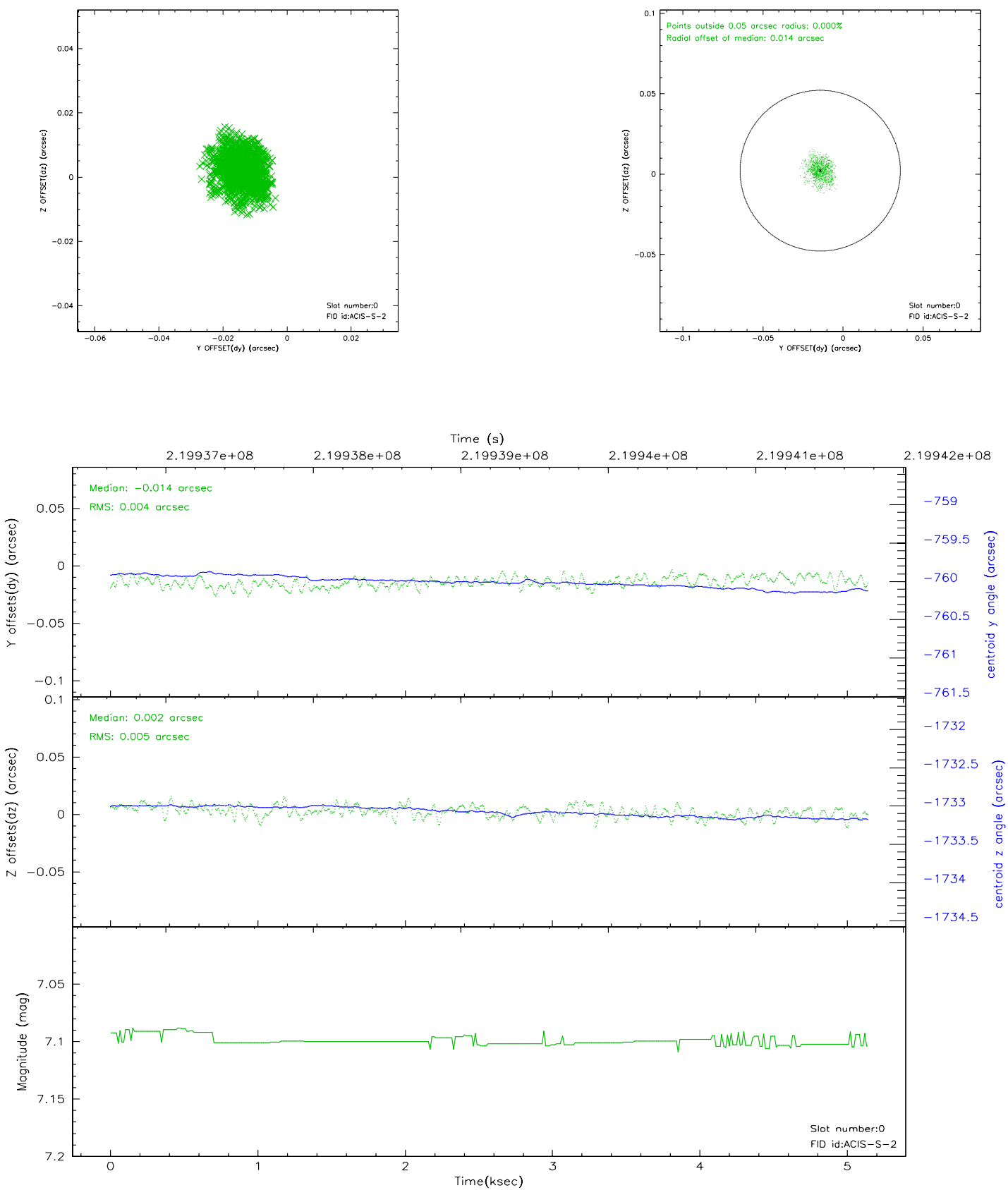


2.4.5 Slot 7

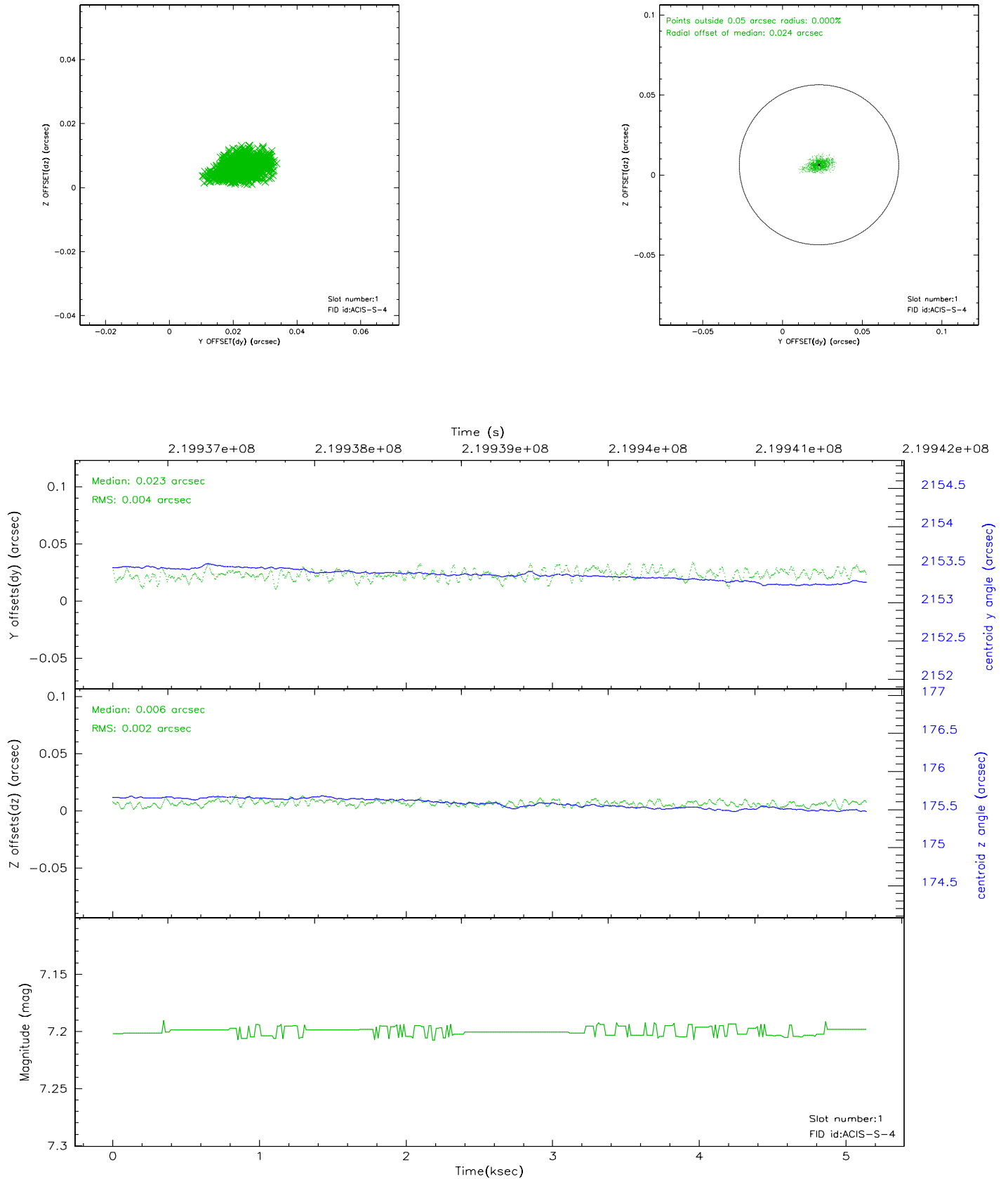


2.5 FID Slots

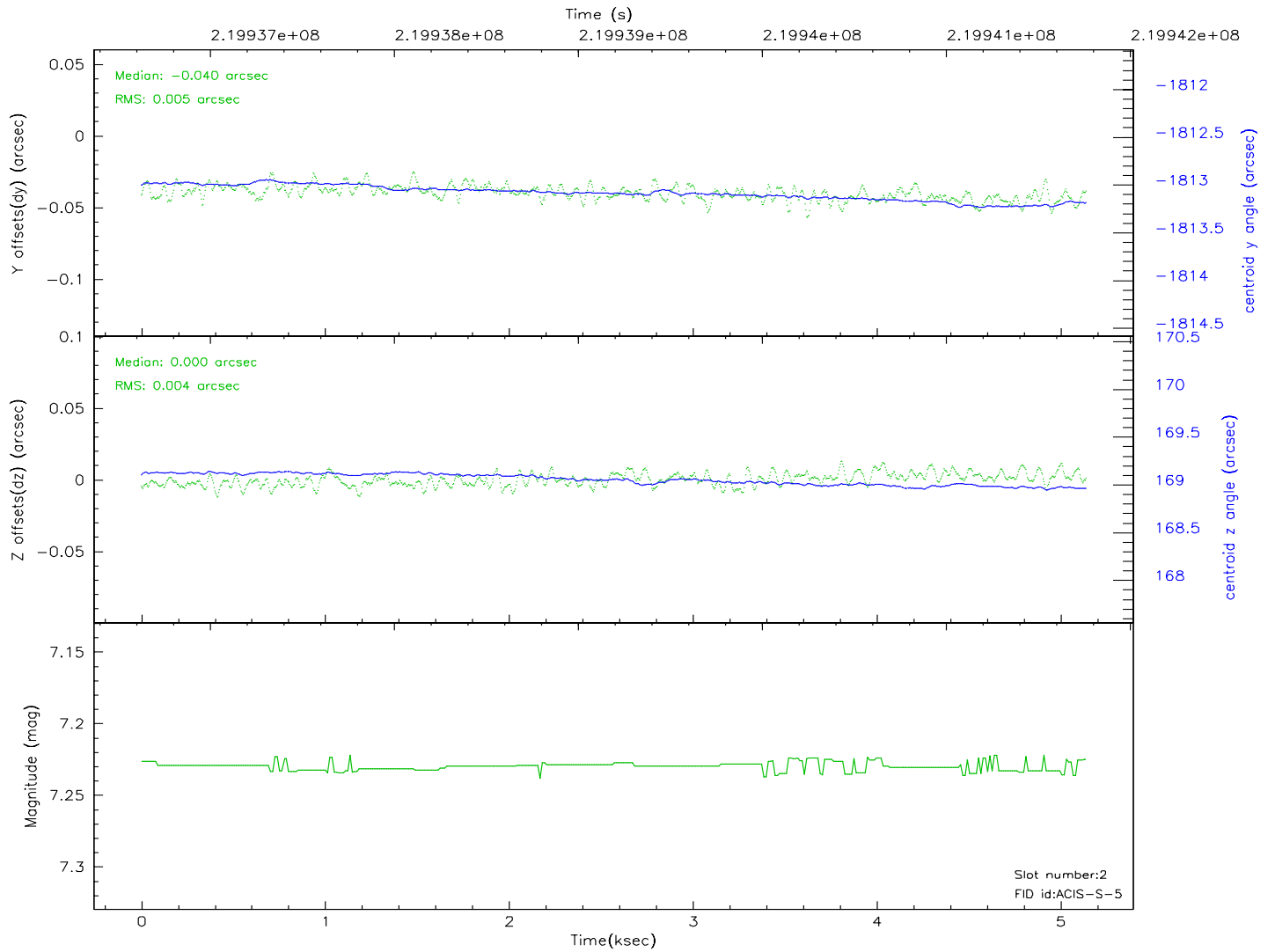
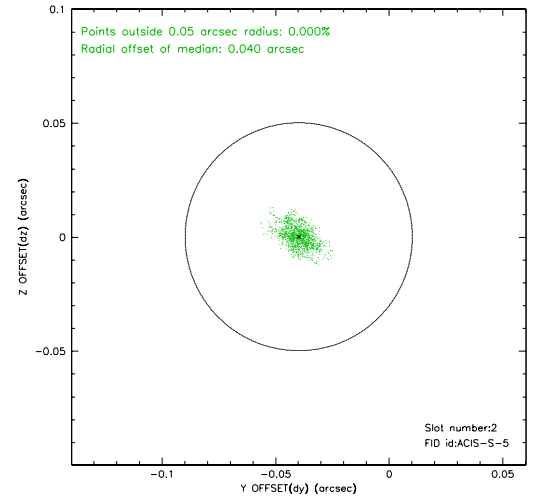
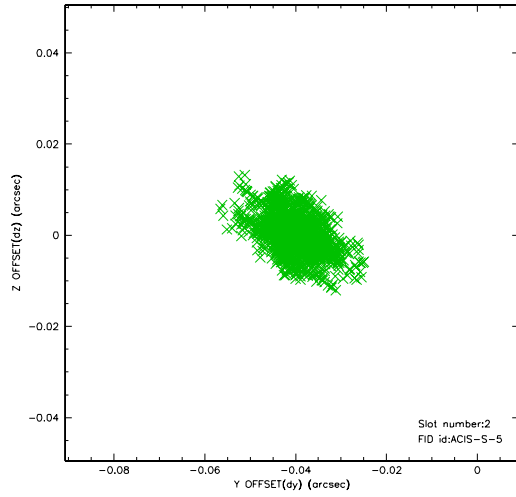
2.5.1 Slot 0



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) | 2006.04.07 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 5.1428 |

A.2 Comments