

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4235 - L2 Version 001
Chandra X-Ray Center

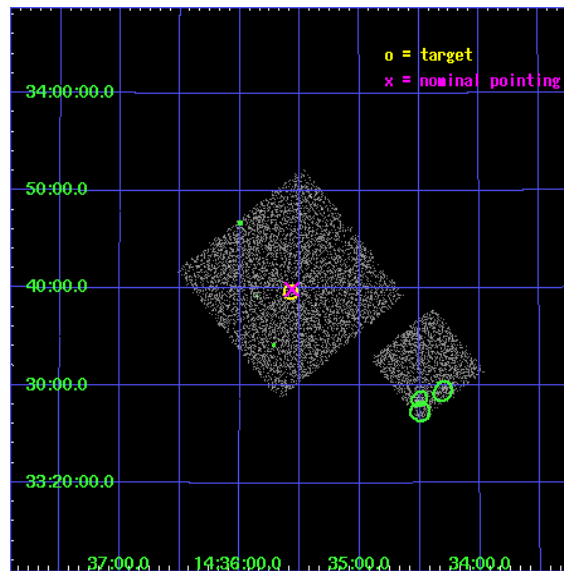
L2 Processing Date : Jul 29 2006

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1 Front

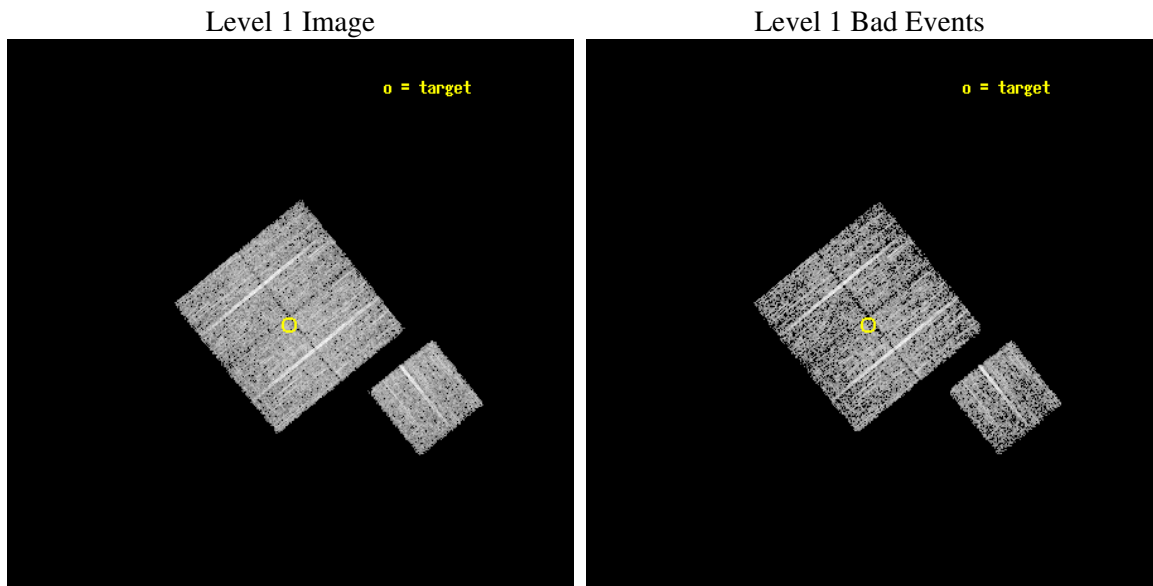
| | |
|----------|--|
| seq_num | 900278 |
| obs_id | 4235 |
| title | A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION |
| observer | Dr. Christine Jones |
| object | SS26 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 218.893848 |
| dec_targ | 33.660612 |
| ra_nom | 218.89129793045 |
| dec_nom | 33.664712283412 |
| roll_nom | 141.01011602608 |
| revision | 2 |
| ontime | 4777.0999908149 |
| livetime | 4714.6836625851 |
| ontime0 | 4777.0999908149 |
| ontime1 | 4777.0999908149 |
| ontime2 | 4777.0999908149 |
| ontime3 | 4777.0999908149 |
| ontime6 | 4777.0999908149 |
| l2events | 9565 |



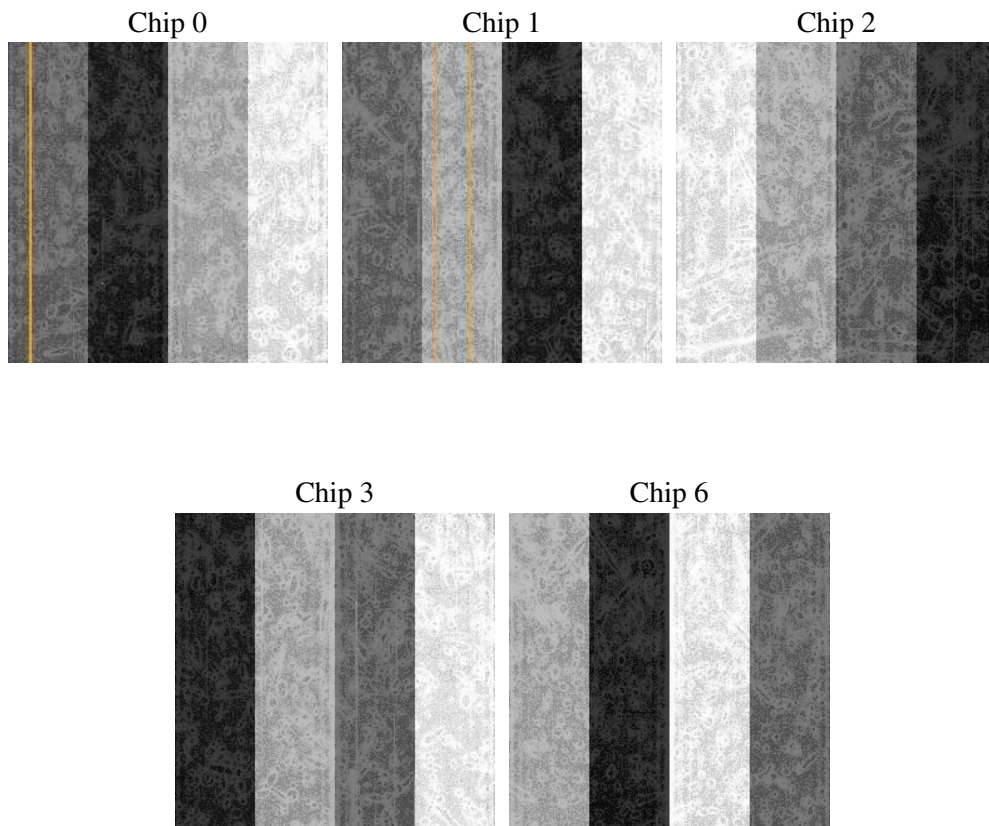
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 1 |
| ascdsver | 7.6.8 |
| caldsver | 3.2.2 |
| date | 2006-07-30T02:10:24 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 5000.000000 |
| ontime | 4780.6137016714 |
| ontime0 | 4780.6137016714 |
| ontime1 | 4780.6137016714 |
| ontime2 | 4780.6137016714 |
| ontime3 | 4780.6137016714 |
| ontime6 | 4780.6137016714 |
| l1events | 117943 |

2.1.4 Events

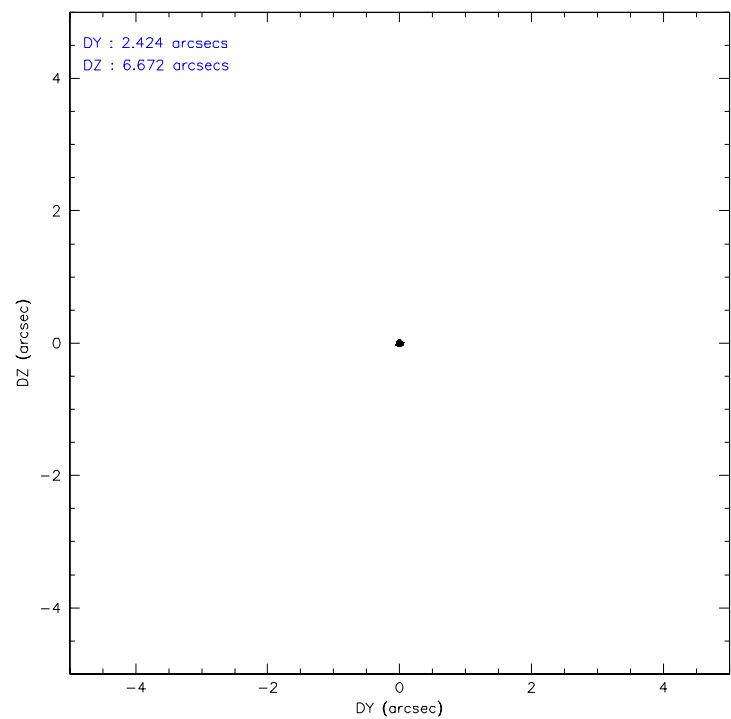
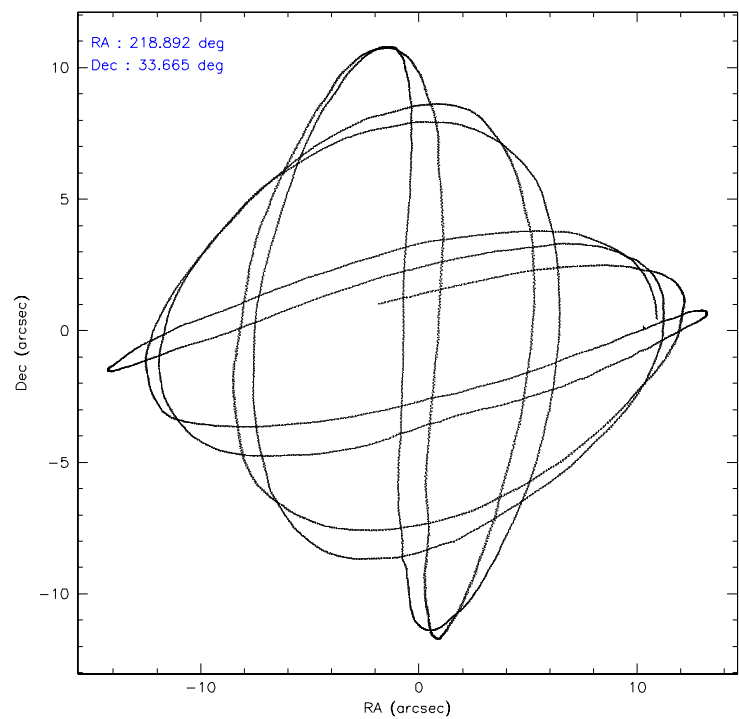
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 |
|-----------------|-------|-------|-------|-------|-------|
| level 1 events | 22278 | 22612 | 25962 | 24243 | 22848 |
| rejected events | 19968 | 20154 | 23636 | 22048 | 20425 |
| rejected % | 89% | 89% | 91% | 90% | 89% |

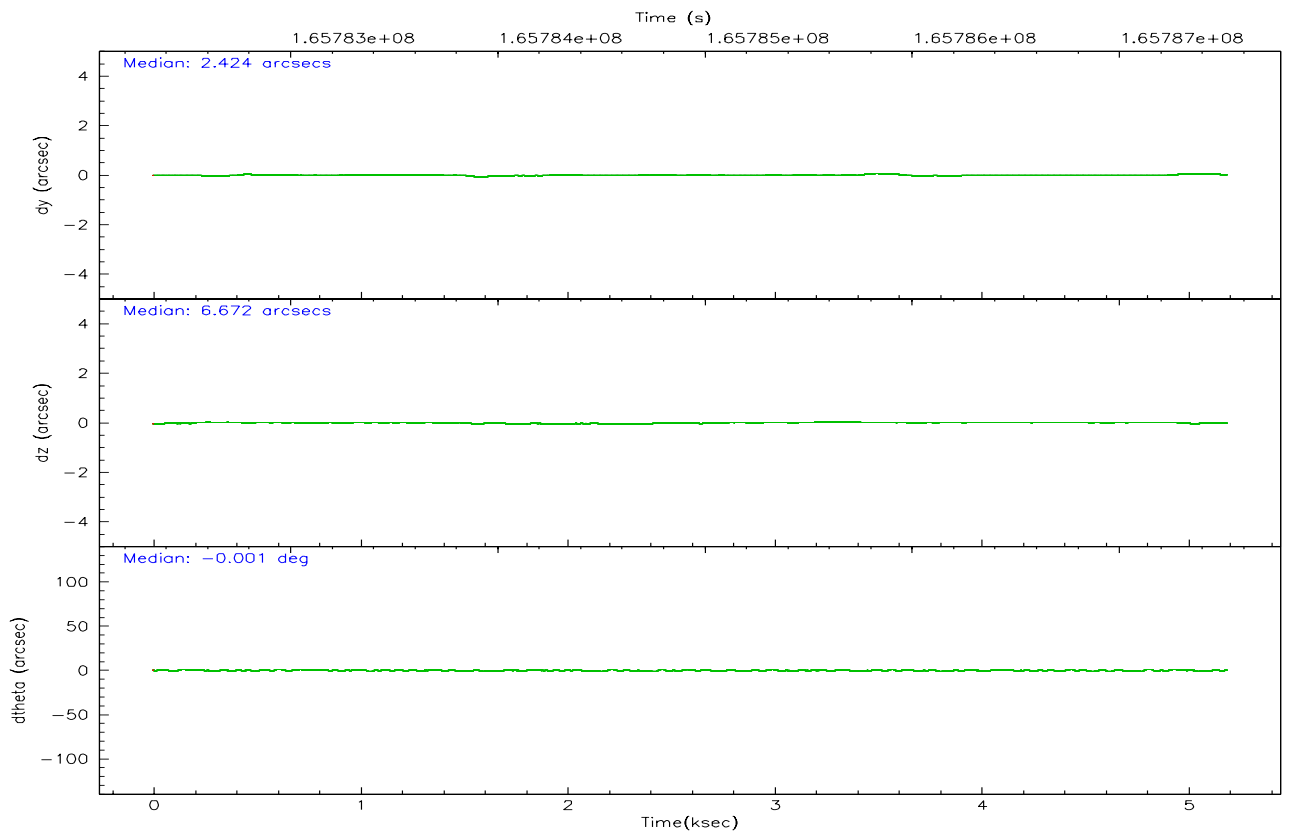
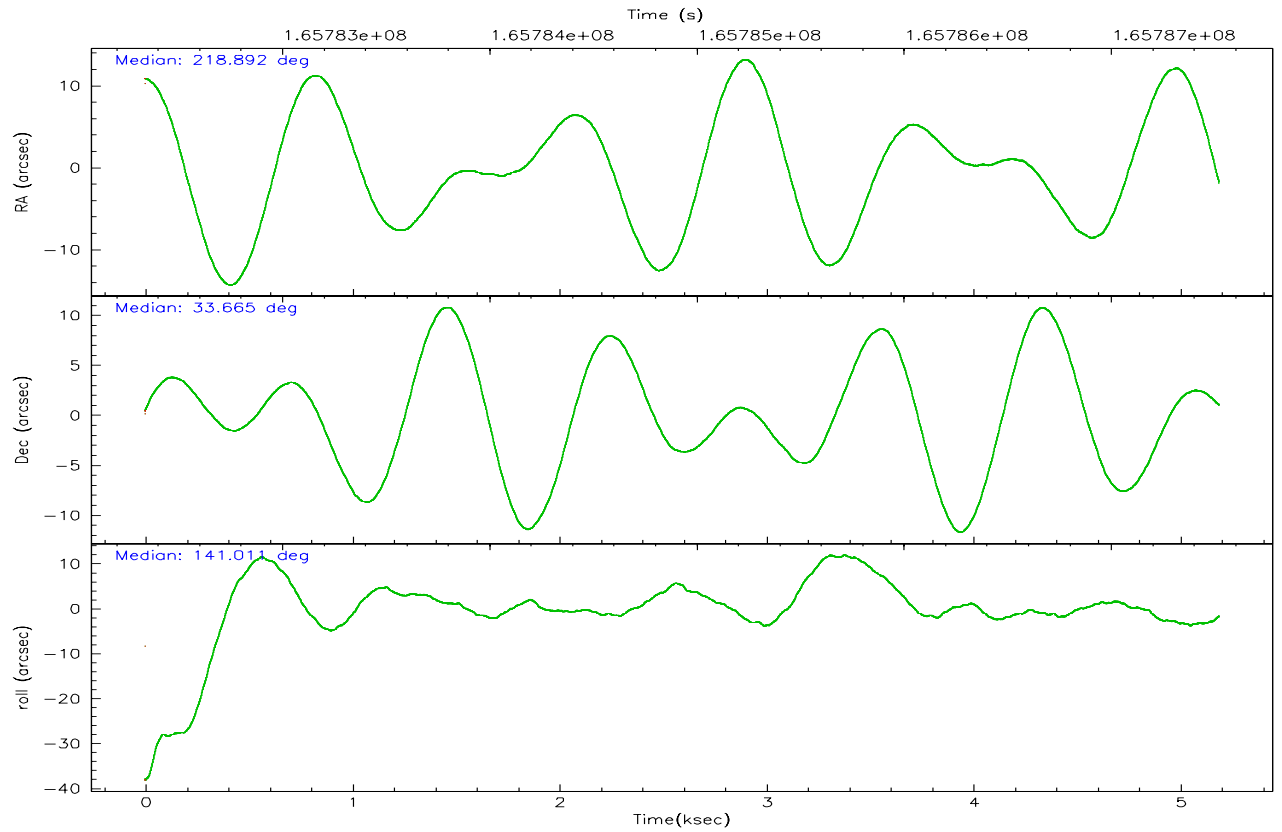
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 |
|----------------|-------|-------|-------|-------|-------|
| grade 0 events | 835 | 819 | 891 | 777 | 916 |
| | 3% | 3% | 3% | 3% | 4% |
| grade 1 events | 6 | 11 | 6 | 10 | 16 |
| | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 542 | 534 | 514 | 470 | 523 |
| | 2% | 2% | 1% | 1% | 2% |
| grade 3 events | 298 | 307 | 248 | 248 | 264 |
| | 1% | 1% | 0% | 1% | 1% |
| grade 4 events | 246 | 285 | 270 | 287 | 267 |
| | 1% | 1% | 1% | 1% | 1% |
| grade 5 events | 662 | 727 | 673 | 772 | 764 |
| | 2% | 3% | 2% | 3% | 3% |
| grade 6 events | 391 | 514 | 405 | 414 | 454 |
| | 1% | 2% | 1% | 1% | 1% |
| grade 7 events | 19298 | 19415 | 22955 | 21265 | 19644 |
| | 86% | 85% | 88% | 87% | 85% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|-----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-01236 | ACIS-01236 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | VFAINT | VFAINT | On-chip summing requested | N | N |
| Observation mode | POINTING | POINTING | Subarray requested | NONE | NONE |
| Pointing RA | 218.923741 | 218.8912979304523 | Alternating exposures requested | N | N |
| Pointing Dec | 33.660535 | 33.66471228341206 | Primary exposure time | 0.000000 | 3.1 |
| Pointing Roll | 140.783424 | 141.0101160260809 | | | |
| SIM focus pos (mm) | -0.782348 | -0.7809083437167272 | | | |
| SIM defocus (mm) | 0 | 0.001439871863259334 | | | |
| SIM translation stage pos (mm) | -233.592463 | -233.5874344608287 | | | |
| SIM translation stage offset (mm) | 0 | -0.005018542100998502 | | | |
| Observation start time | 165782520.184000 | 165782143.91645 | | | |
| Observation start date | 2003-04-03T18:40:56 | 2003-04-03T18:35:43 | | | |
| Observation end time | 165787520.184000 | 165787654.31669 | | | |
| Observation end date | 2003-04-03T20:04:16 | 2003-04-03T20:07:34 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



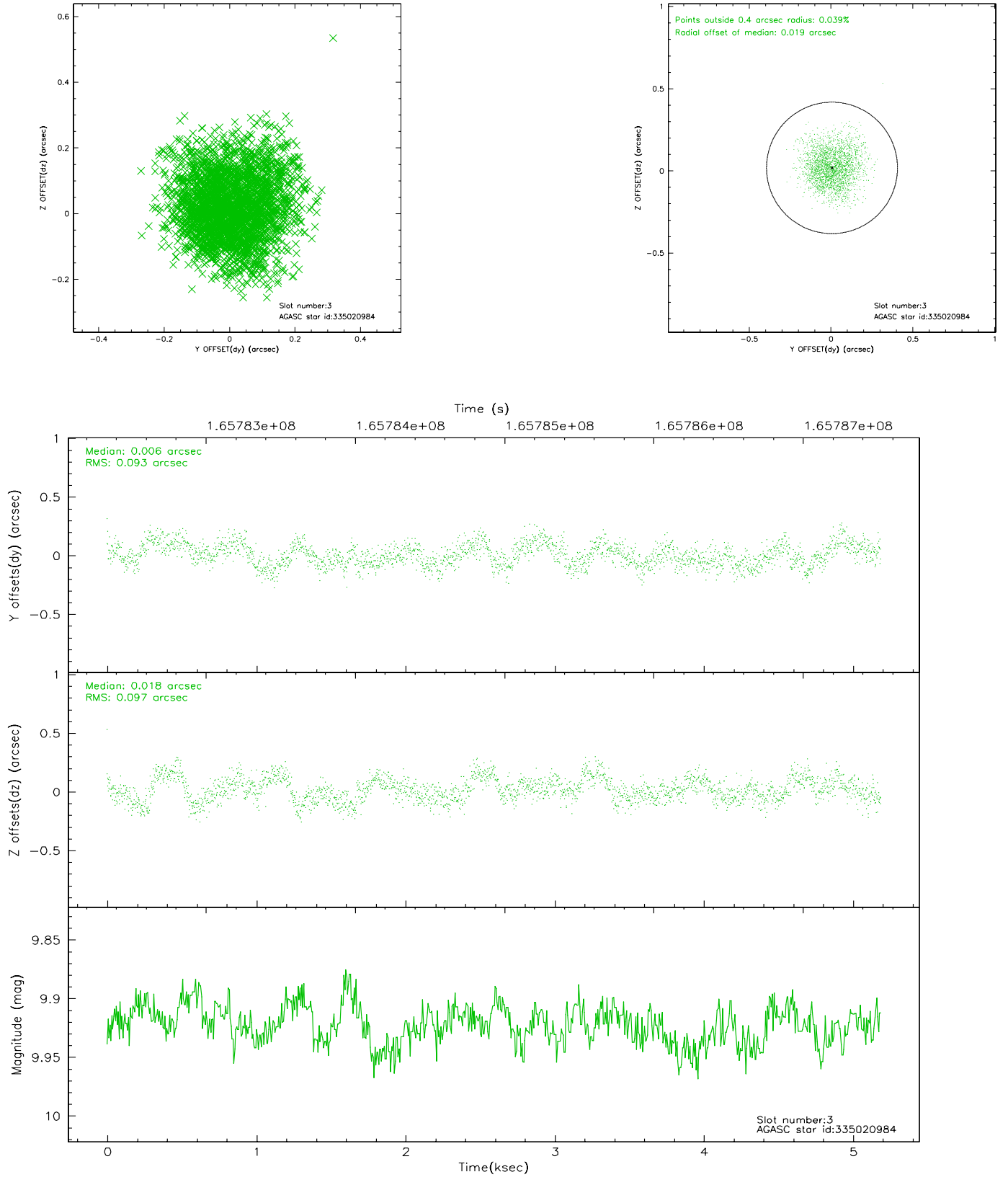


Slot Statistics

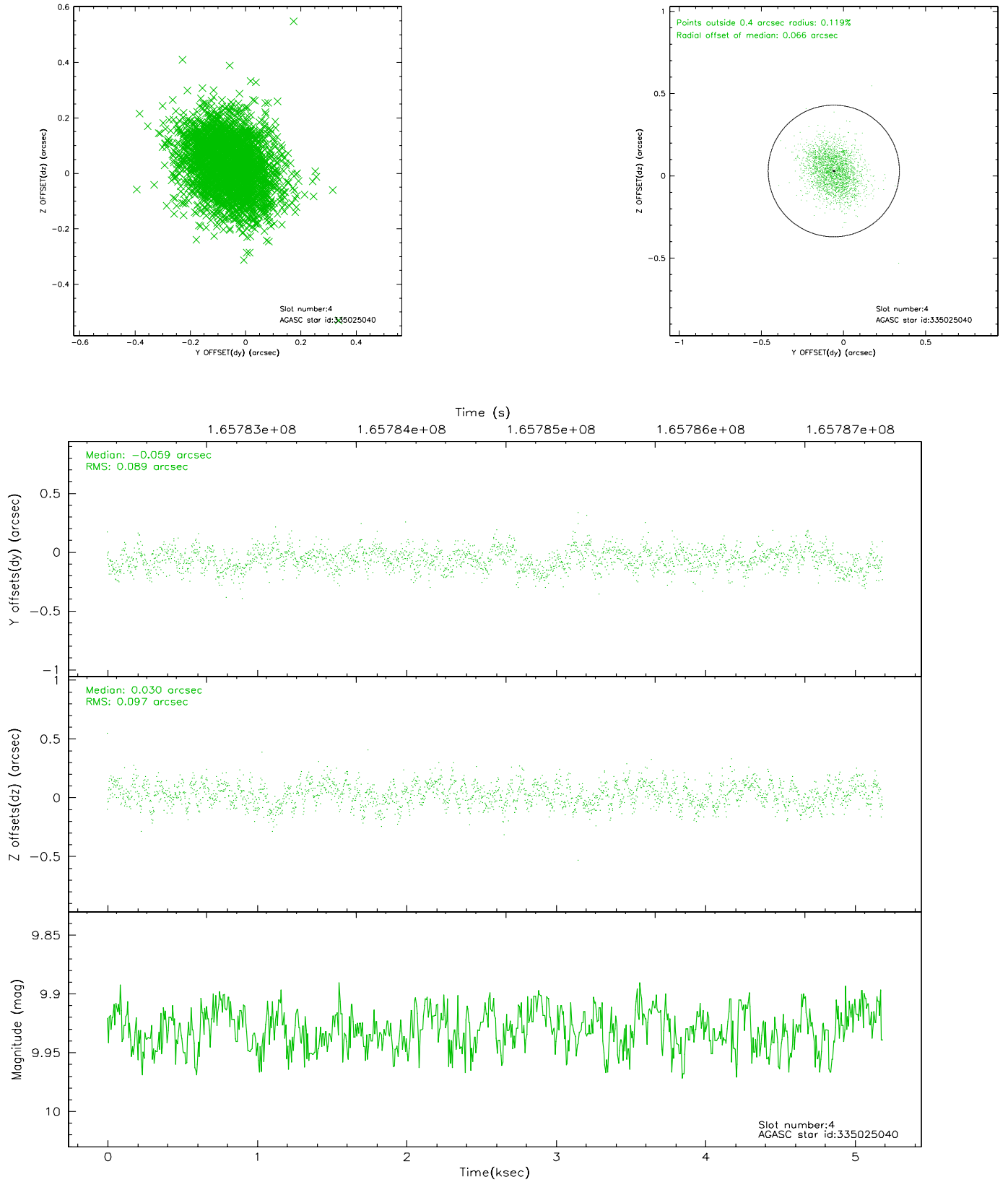
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-I-1 | 7.25 | 1266 | -0.008 | 0.022 | 0.006 | 0.010 | 0.000000 | 0.000000 | 937.36 | -830.05 |
| 1 | FID | ACIS-I-5 | 7.24 | 1266 | -0.050 | 0.044 | 0.006 | 0.009 | 0.000000 | 0.000000 | -1810.10 | 1066.94 |
| 2 | FID | ACIS-I-6 | 7.26 | 1266 | -0.034 | 0.005 | 0.006 | 0.011 | 0.000000 | 0.000000 | 401.67 | 1712.68 |
| 3 | GUIDE | 335020984 | 9.92 | 2532 | 0.006 | 0.018 | 0.145 | 0.230 | 218.841668 | 33.815112 | 543.07 | -275.80 |
| 4 | GUIDE | 335025040 | 9.93 | 2529 | -0.059 | 0.030 | 0.138 | 0.225 | 218.601670 | 34.305240 | 2211.10 | -1193.60 |
| 5 | GUIDE | 335152784 | 7.24 | 2529 | -0.064 | -0.002 | 0.074 | 0.111 | 219.280617 | 33.678221 | -785.70 | -726.86 |
| 6 | GUIDE | 335154960 | 9.56 | 2526 | 0.079 | -0.012 | 0.102 | 0.175 | 219.209961 | 33.303073 | -1480.38 | 451.52 |
| 7 | GUIDE | 335157088 | 9.11 | 2530 | 0.031 | -0.034 | 0.109 | 0.162 | 219.274029 | 33.726909 | -660.49 | -849.14 |

2.4 Star Slots

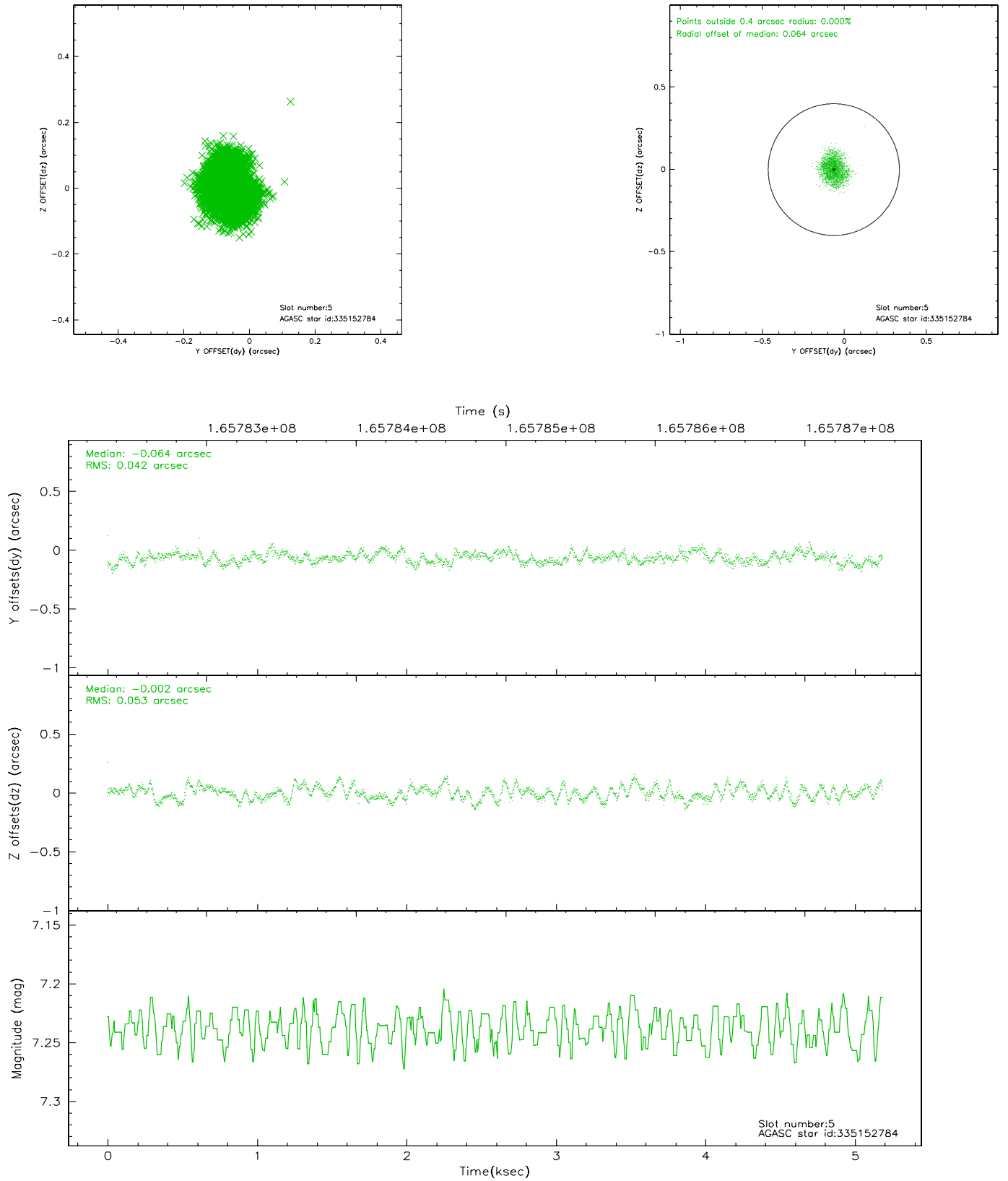
2.4.1 Slot 3



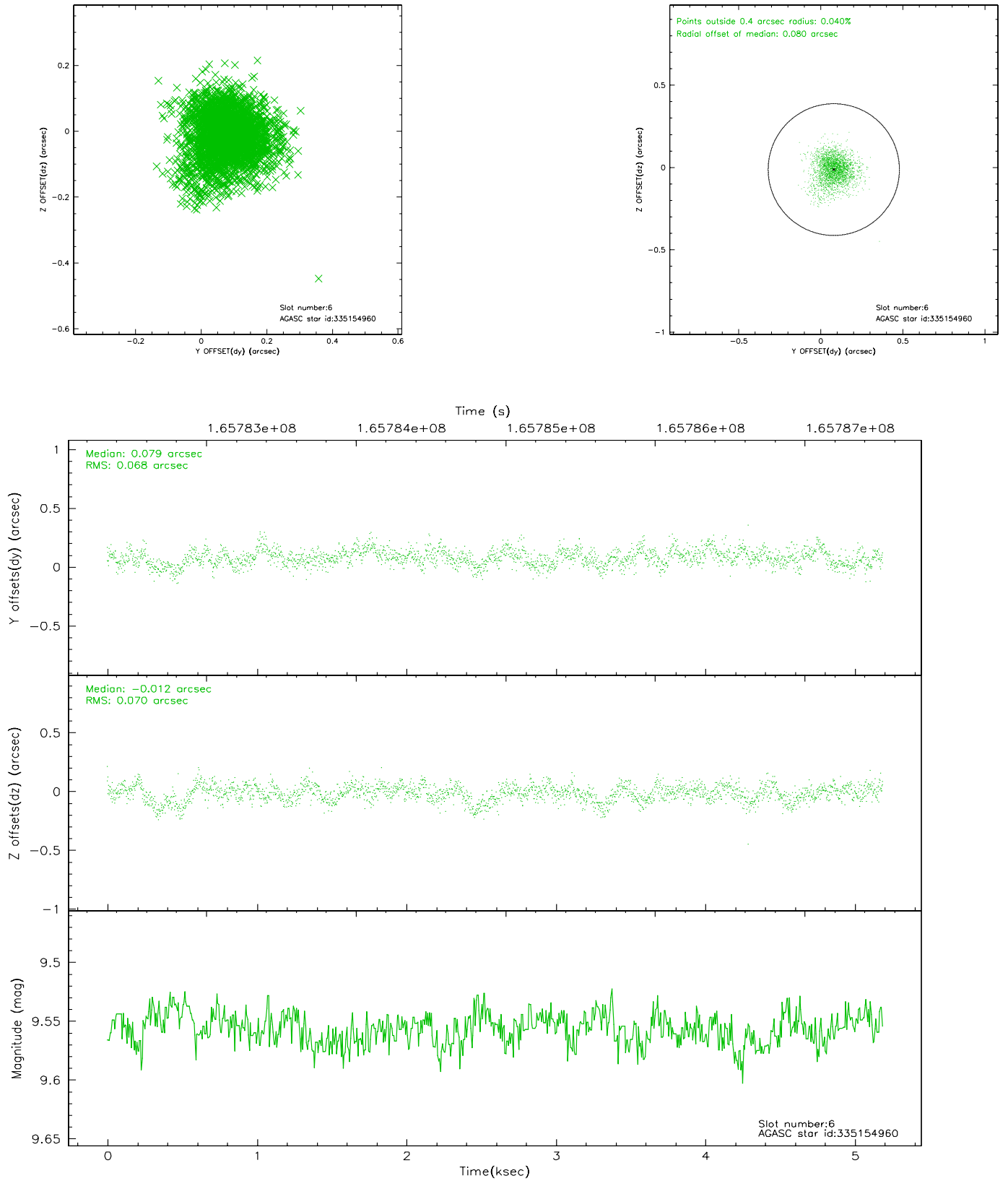
2.4.2 Slot 4



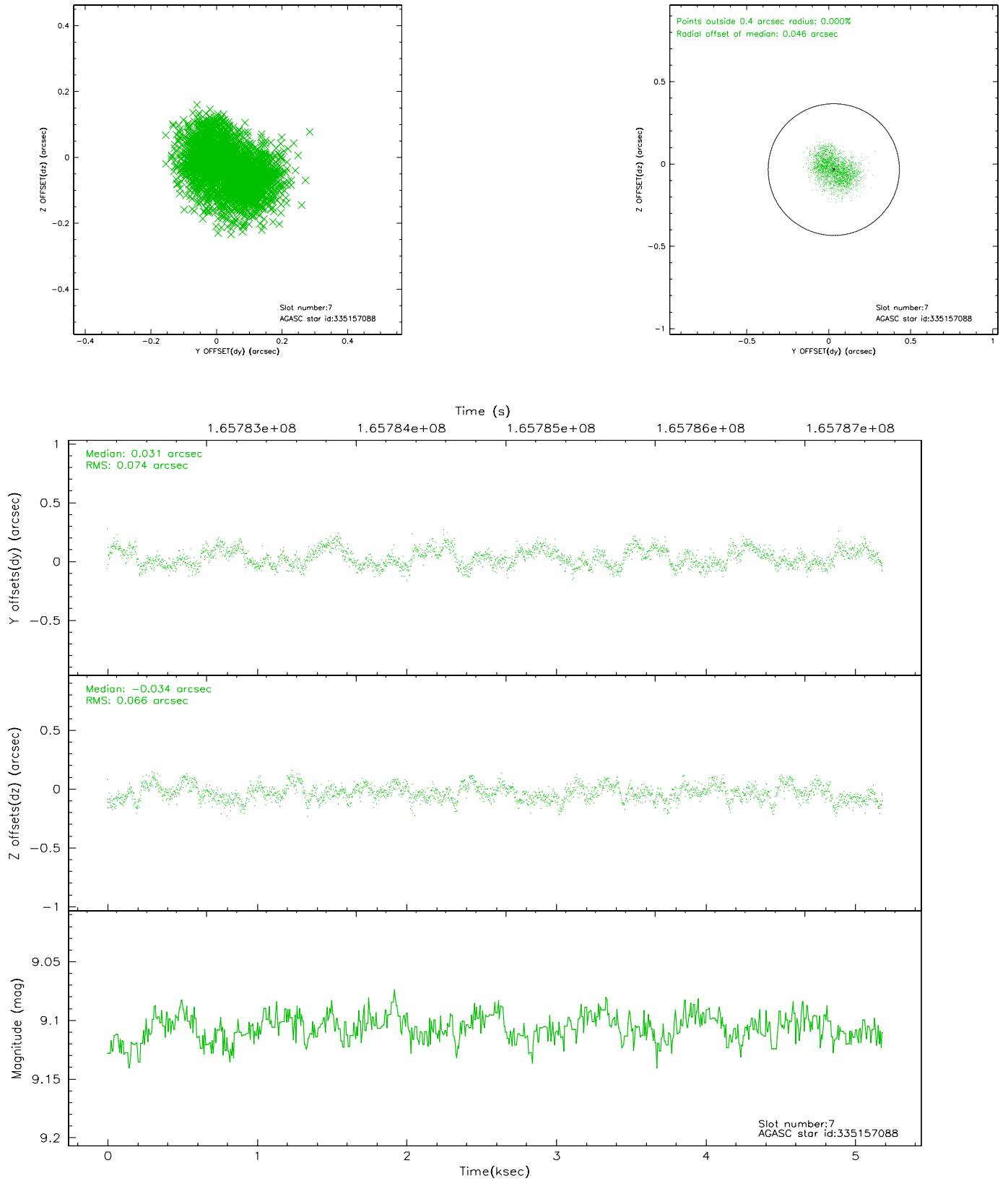
2.4.3 Slot 5



2.4.4 Slot 6

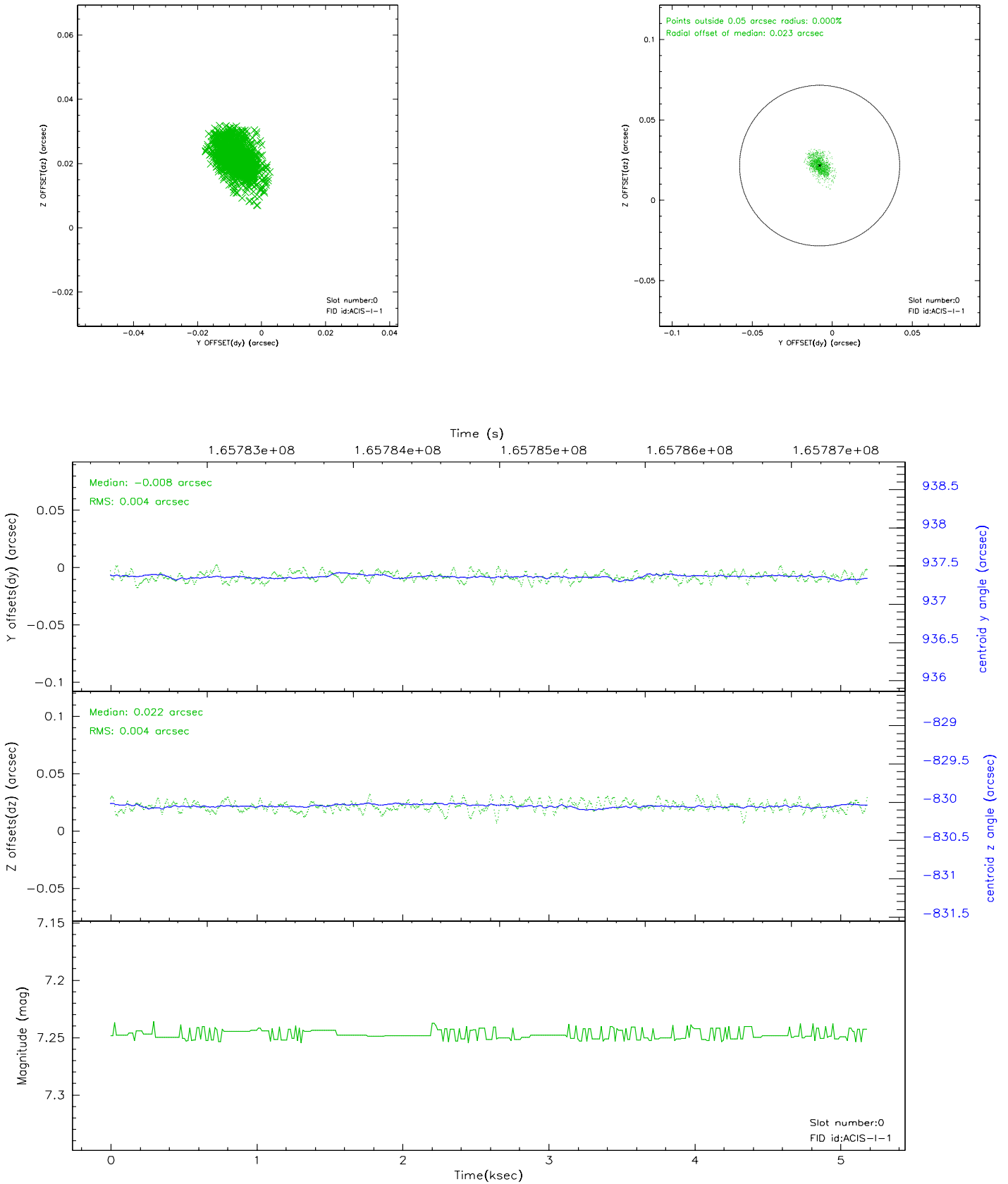


2.4.5 Slot 7

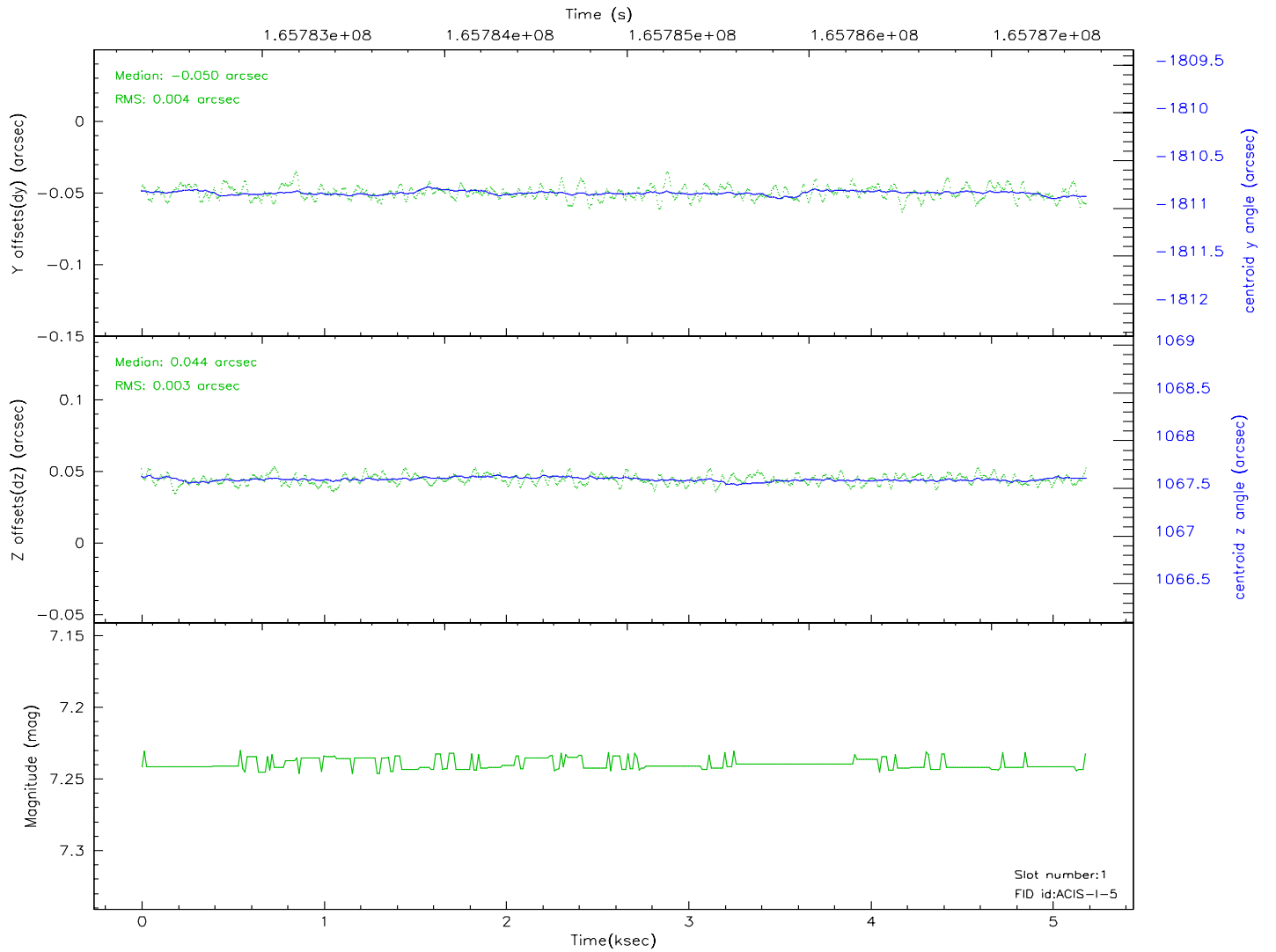
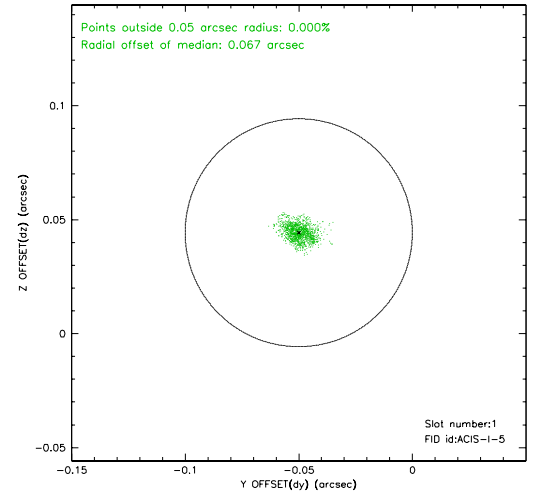
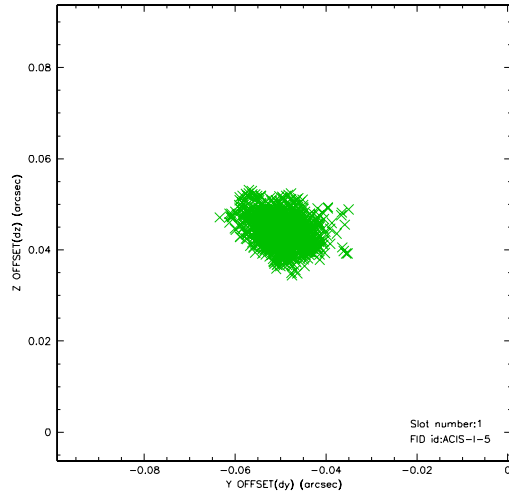


2.5 FID Slots

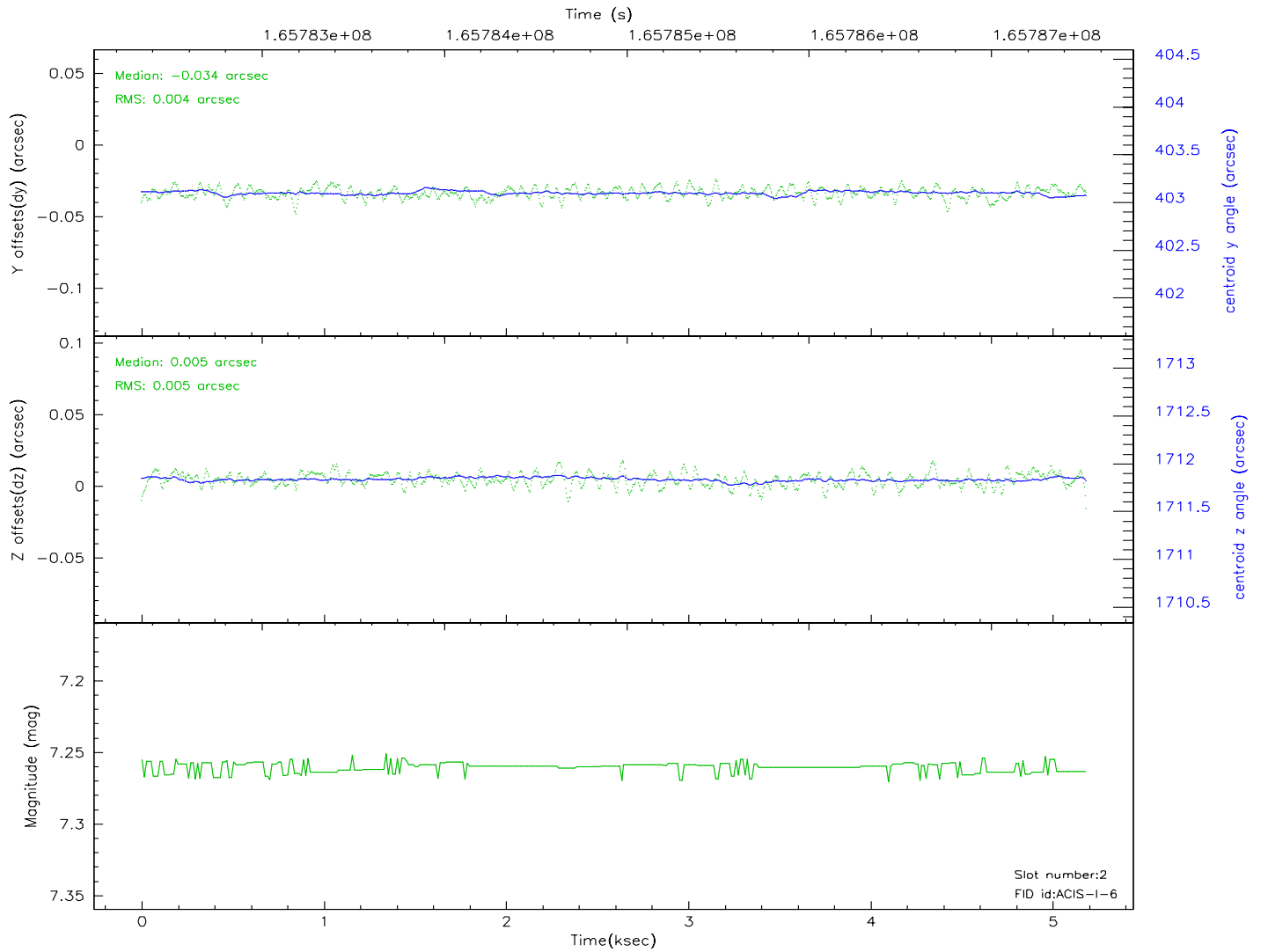
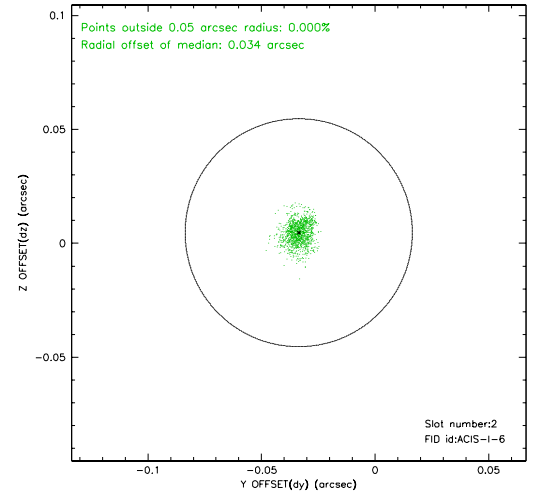
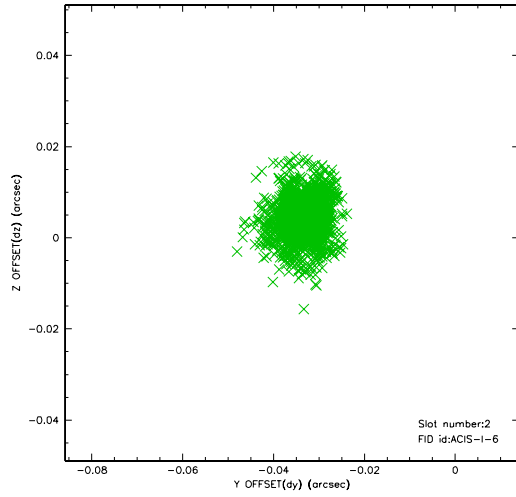
2.5.1 Slot 0



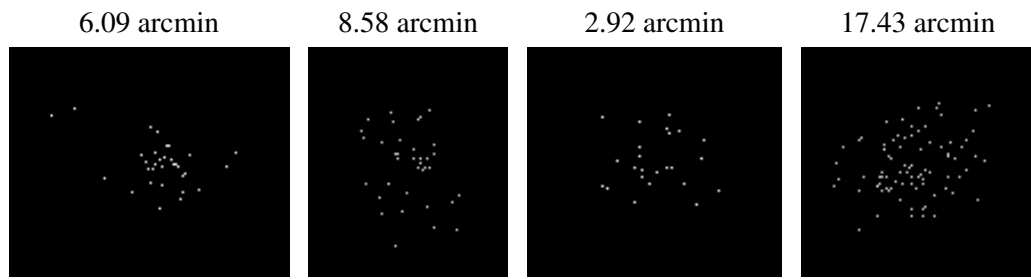
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.07.30 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 4.777 |

A.2 Comments