

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3627 - L2 Version 001
Chandra X-Ray Center

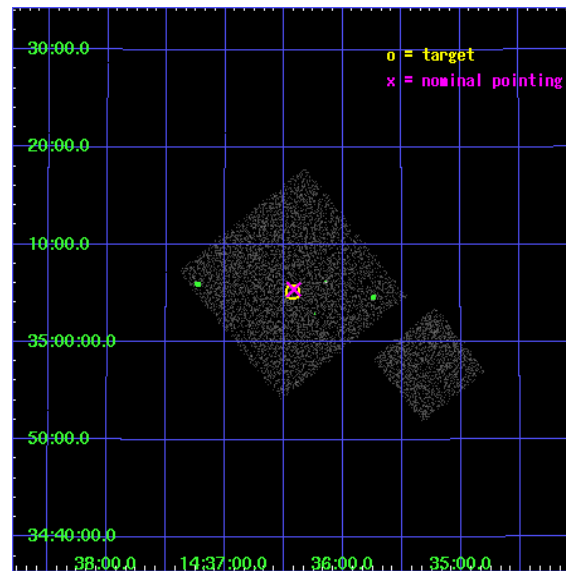
L2 Processing Date : Jul 30 2006

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1 Front

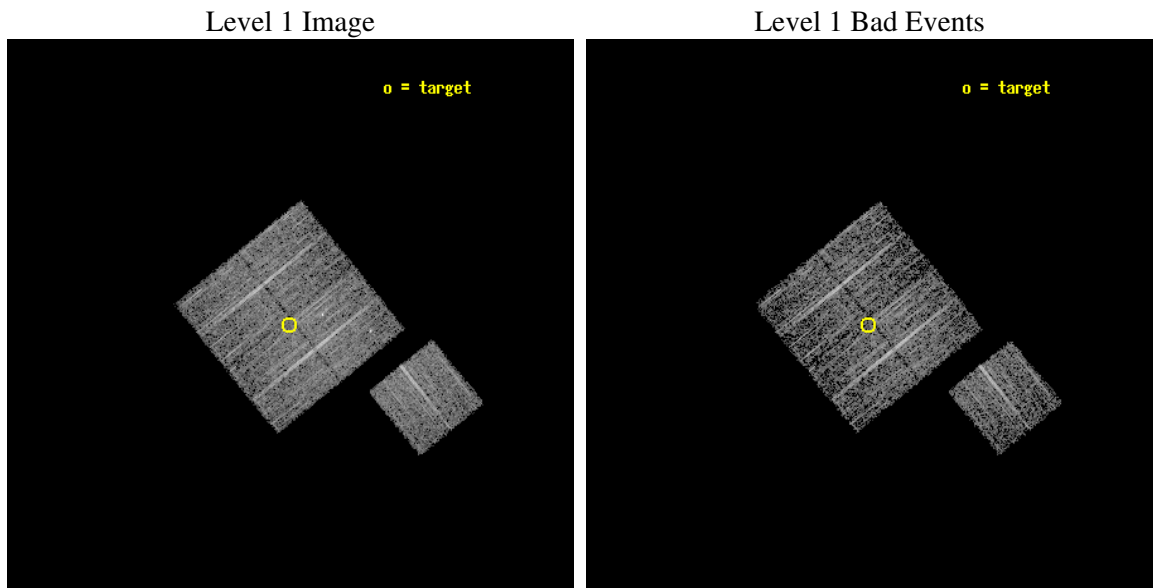
| | |
|----------|--|
| seq_num | 900227 |
| obs_id | 3627 |
| title | CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD |
| observer | Dr. Stephen Murray |
| object | NOAO FIELD F28 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 219.106748 |
| dec_targ | 35.08647 |
| ra_nom | 219.10407616341 |
| dec_nom | 35.090624211335 |
| roll_nom | 141.01024314819 |
| revision | 2 |
| ontime | 4777.0999908149 |
| livetime | 4714.6836625851 |
| ontime0 | 4773.9590206146 |
| ontime1 | 4777.0999908149 |
| ontime2 | 4777.0999908149 |
| ontime3 | 4777.0999908149 |
| ontime6 | 4777.0999908149 |
| l2events | 10130 |



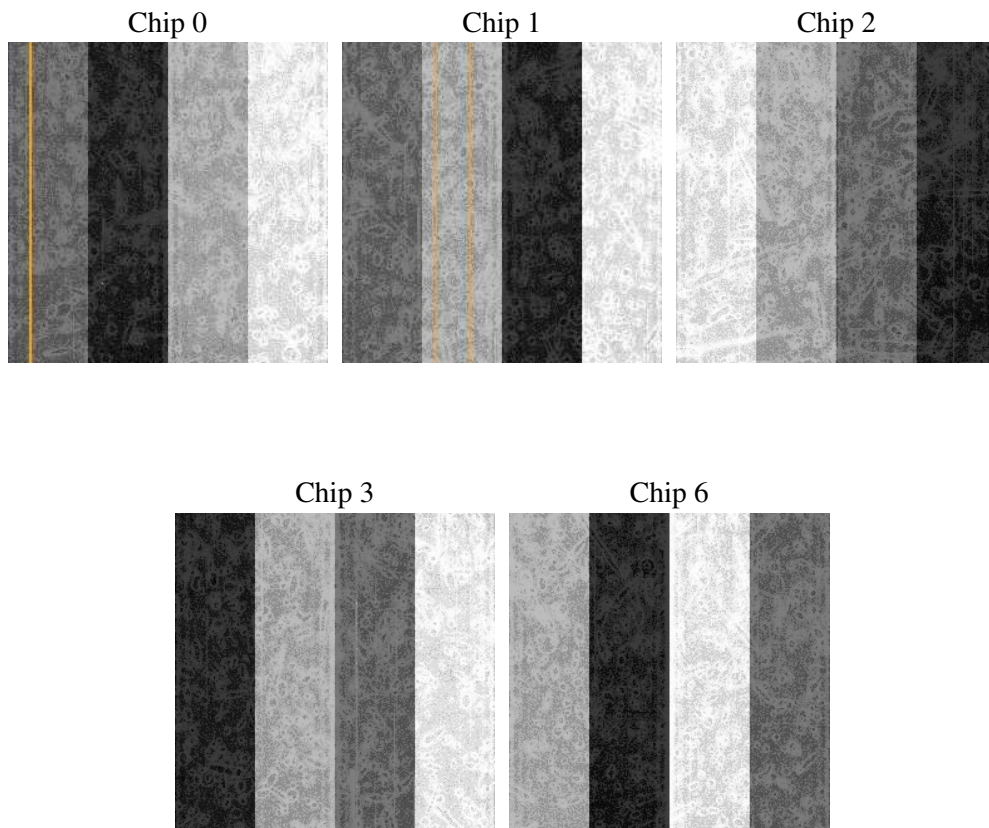
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 1 |
| ascdsver | 7.6.8 |
| caldbver | 3.2.2 |
| date | 2006-07-30T04:29:15 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 5000.000000 |
| ontime | 4780.6127516031 |
| ontime0 | 4777.4717614949 |
| ontime1 | 4780.6127316952 |
| ontime2 | 4780.6127516031 |
| ontime3 | 4780.6127516031 |
| ontime6 | 4780.6127316952 |
| llevents | 122238 |

2.1.4 Events

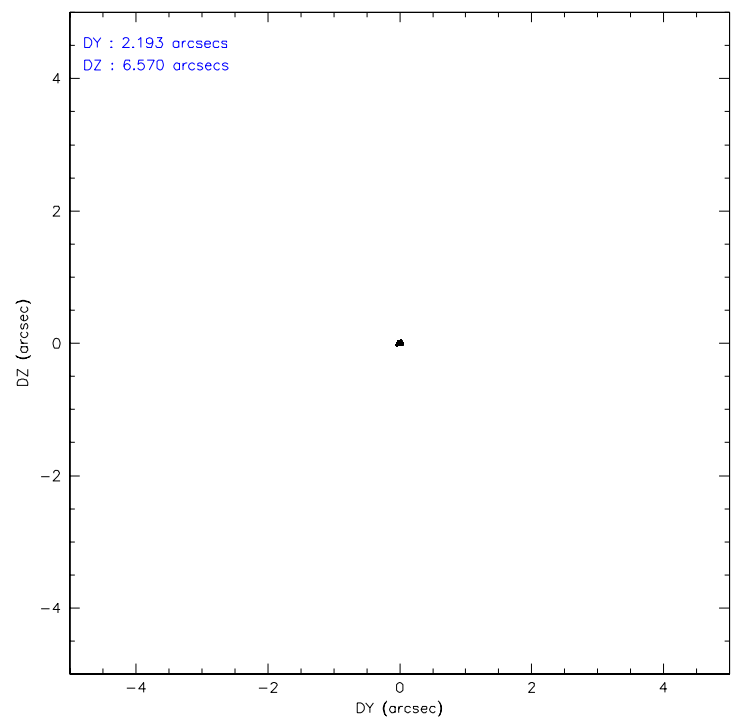
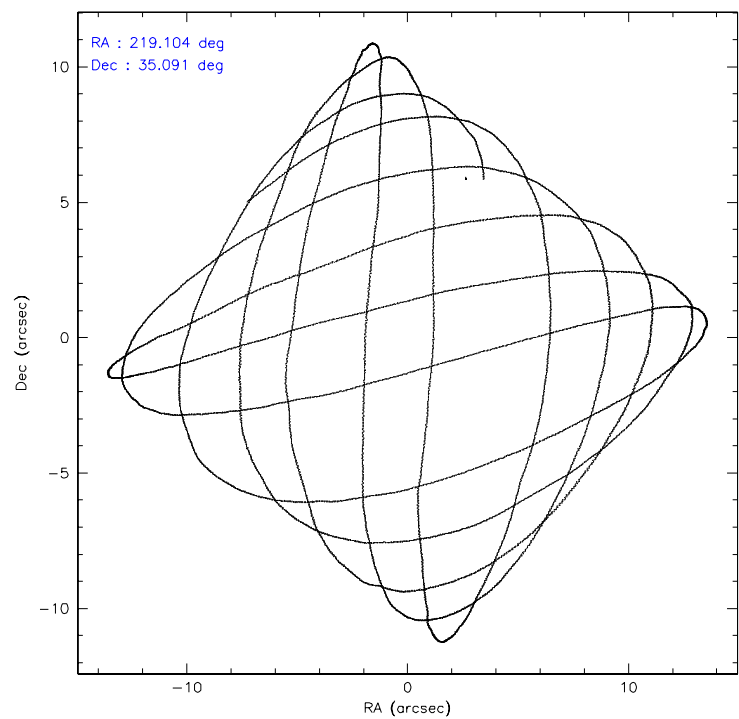
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 |
|-----------------|-------|-------|-------|-------|-------|
| level 1 events | 23587 | 23476 | 27369 | 23656 | 24150 |
| rejected events | 21207 | 20876 | 24657 | 21471 | 21725 |
| rejected % | 89% | 88% | 90% | 90% | 89% |

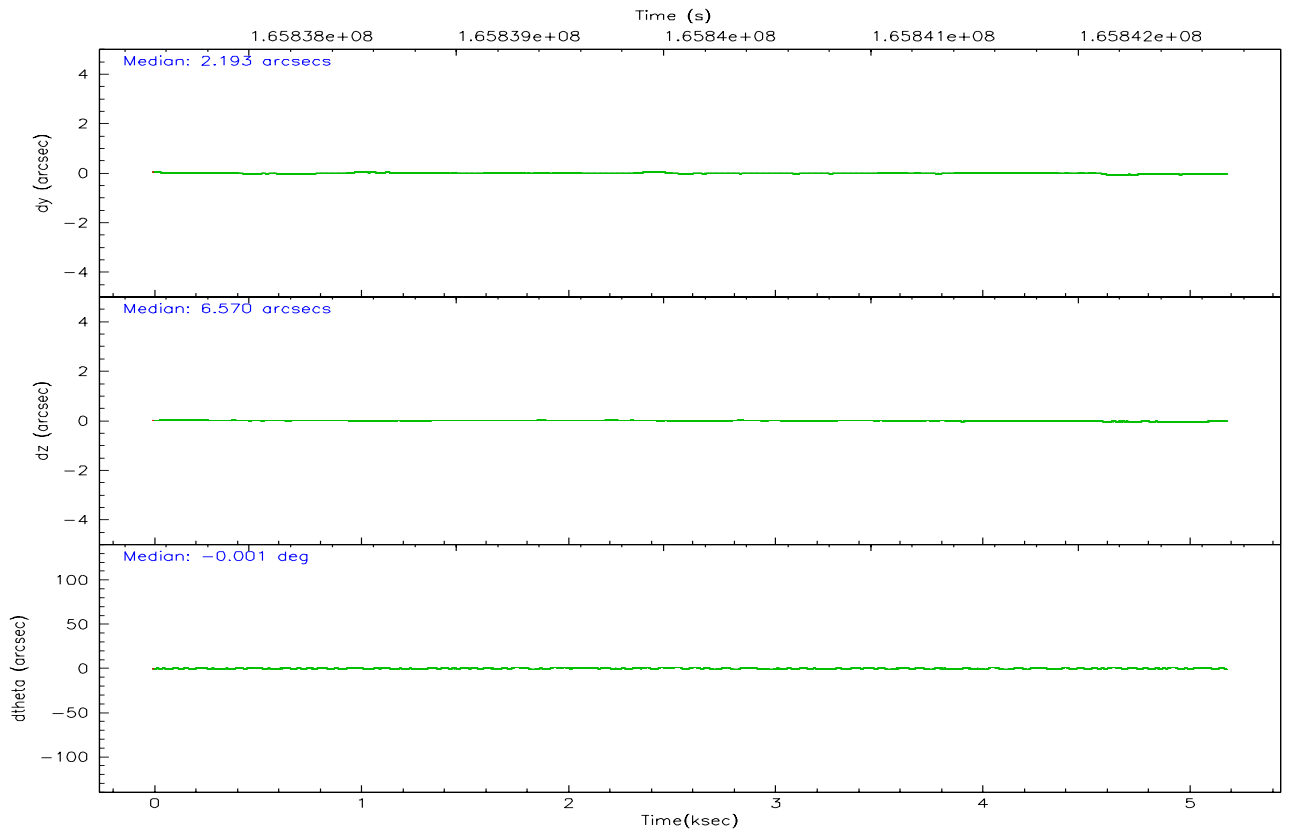
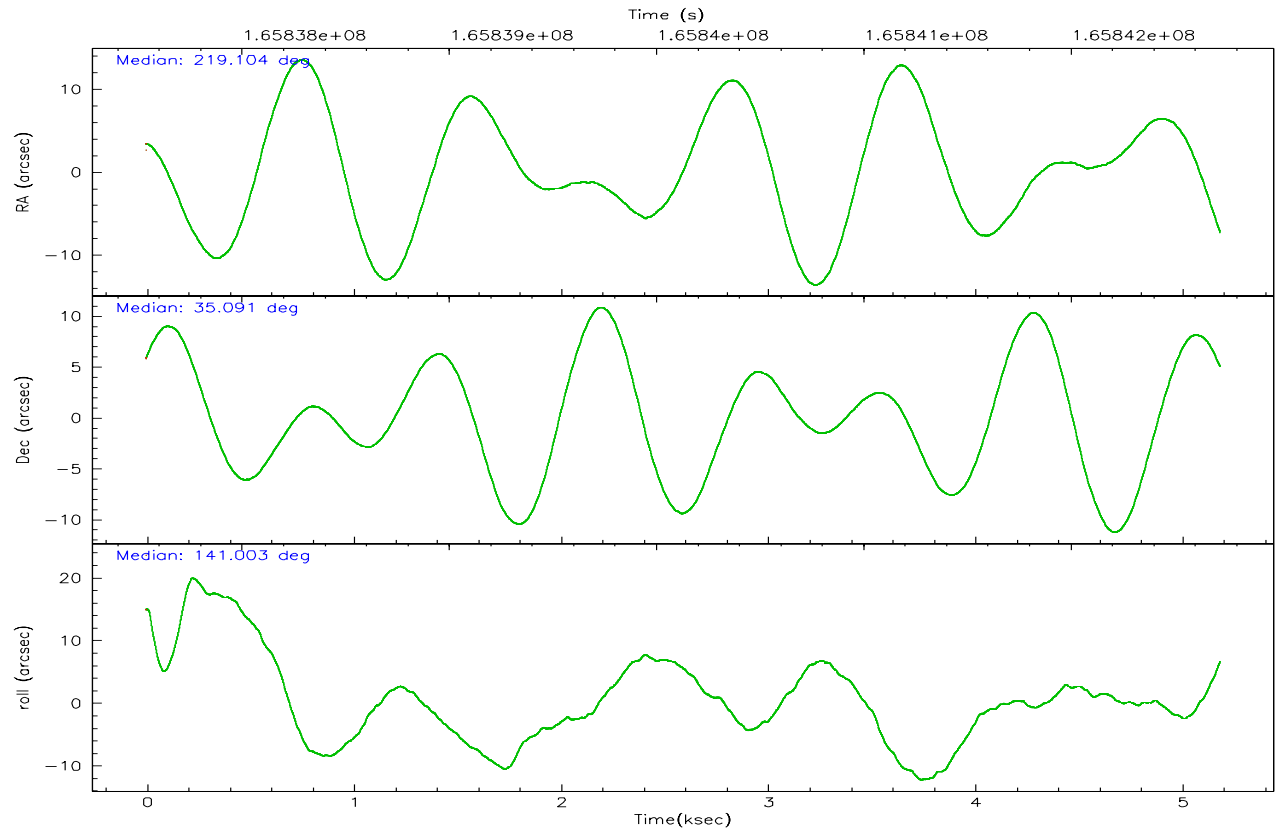
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 |
|----------------|-------|-------|-------|-------|-------|
| grade 0 events | 837 | 889 | 1184 | 848 | 883 |
| | 3% | 3% | 4% | 3% | 3% |
| grade 1 events | 17 | 9 | 19 | 10 | 8 |
| | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 560 | 559 | 615 | 450 | 463 |
| | 2% | 2% | 2% | 1% | 1% |
| grade 3 events | 275 | 323 | 250 | 256 | 263 |
| | 1% | 1% | 0% | 1% | 1% |
| grade 4 events | 250 | 295 | 279 | 245 | 317 |
| | 1% | 1% | 1% | 1% | 1% |
| grade 5 events | 720 | 751 | 657 | 797 | 800 |
| | 3% | 3% | 2% | 3% | 3% |
| grade 6 events | 459 | 536 | 385 | 386 | 500 |
| | 1% | 2% | 1% | 1% | 2% |
| grade 7 events | 20469 | 20114 | 23980 | 20664 | 20916 |
| | 86% | 85% | 87% | 87% | 86% |

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 | 219.137154 | 219.1040761634095 | Alternating exposures requested | N | N |
| Pointing Dec | 35.086381 | 35.0906242113354 | Primary exposure time | 0.000000 | 3.1 |
| Pointing Roll | 140.782516 | 141.0102431481867 | | | |
| 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 | 165837715.184000 | 165837339.14378 | | | |
| Observation start date | 2003-04-04T10:00:51 | 2003-04-04T09:55:39 | | | |
| Observation end time | 165842715.184000 | 165842849.54402 | | | |
| Observation end date | 2003-04-04T11:24:11 | 2003-04-04T11:27:29 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



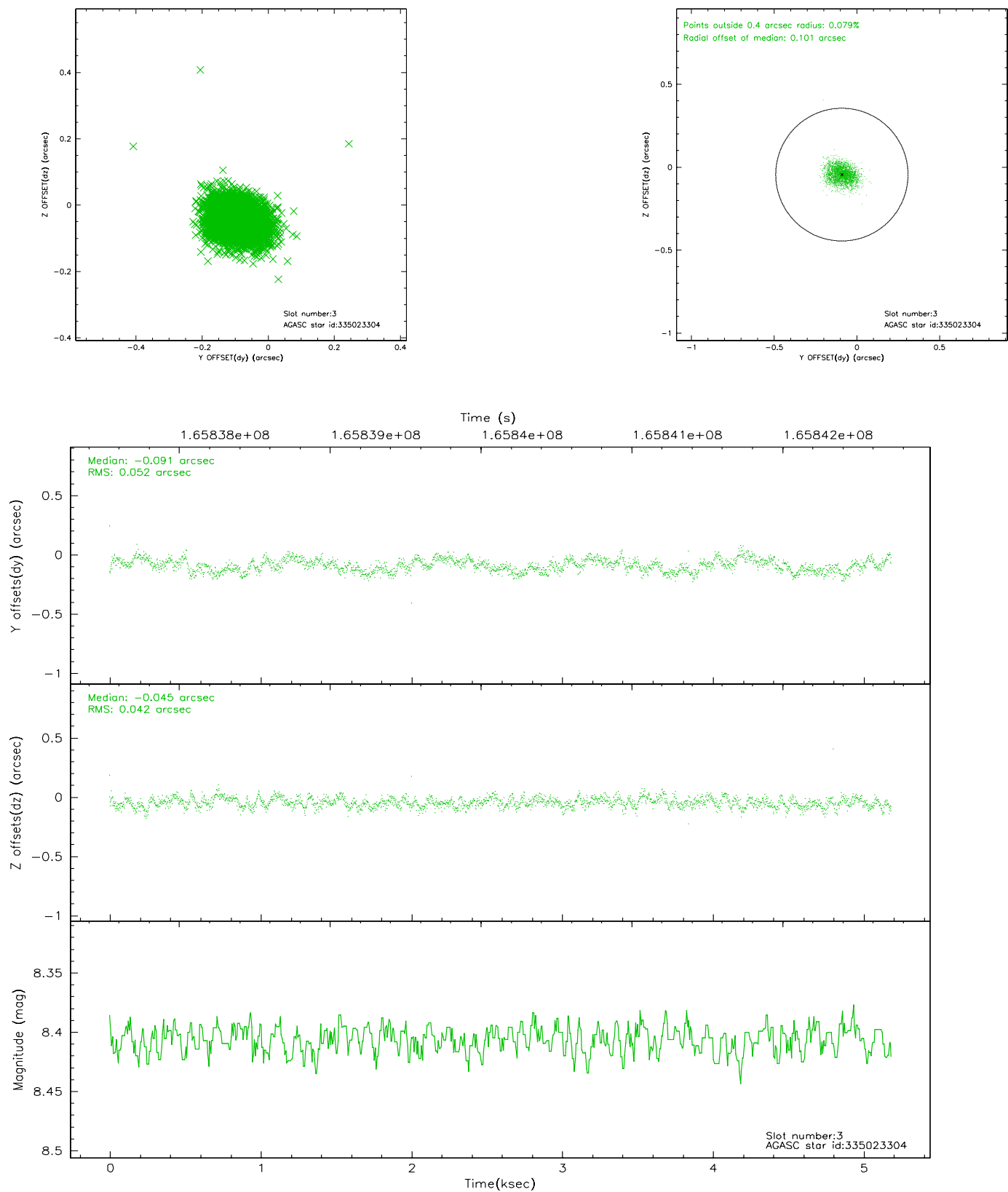


Slot Statistics

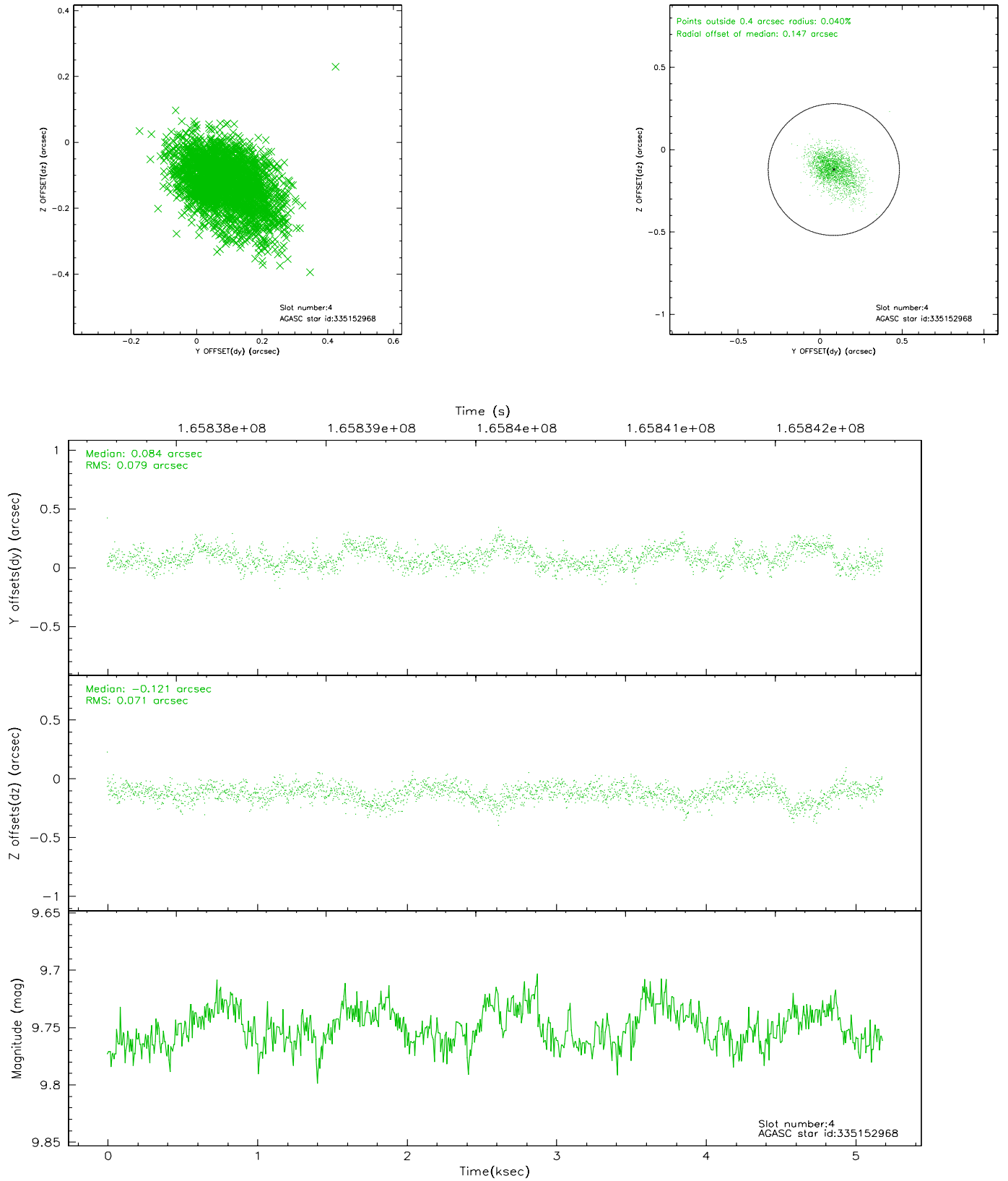
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|-------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-I-1 | 7.25 | 1266 | -0.009 | 0.022 | 0.006 | 0.010 | 0.000000 | 0.000000 | 937.60 | -829.95 |
| 1 | FID | ACIS-I-5 | 7.24 | 1266 | -0.046 | 0.044 | 0.005 | 0.010 | 0.000000 | 0.000000 | -1809.85 | 1067.04 |
| 2 | FID | ACIS-I-6 | 7.26 | 1266 | -0.036 | 0.004 | 0.006 | 0.011 | 0.000000 | 0.000000 | 401.91 | 1712.78 |
| 3 | GUIDE | 335023304 | 8.41 | 2530 | -0.091 | -0.045 | 0.071 | 0.110 | 218.883608 | 34.686545 | -328.28 | 1589.34 |
| 4 | GUIDE | 335152968 | 9.75 | 2529 | 0.084 | -0.121 | 0.111 | 0.189 | 219.446087 | 34.867883 | -1203.57 | 32.23 |
| 5 | GUIDE | 335414336 | 8.95 | 2530 | -0.064 | -0.055 | 0.065 | 0.109 | 218.979022 | 35.090910 | 370.86 | 282.02 |
| 6 | GUIDE | 335545712 | 9.88 | 2528 | -0.058 | 0.148 | 0.114 | 0.188 | 220.165930 | 35.199137 | -2077.84 | -2239.70 |
| 7 | GUIDE | 335546608 | 10.04 | 2529 | 0.120 | 0.068 | 0.143 | 0.240 | 219.906522 | 35.245587 | -1385.05 | -1881.57 |

2.4 Star Slots

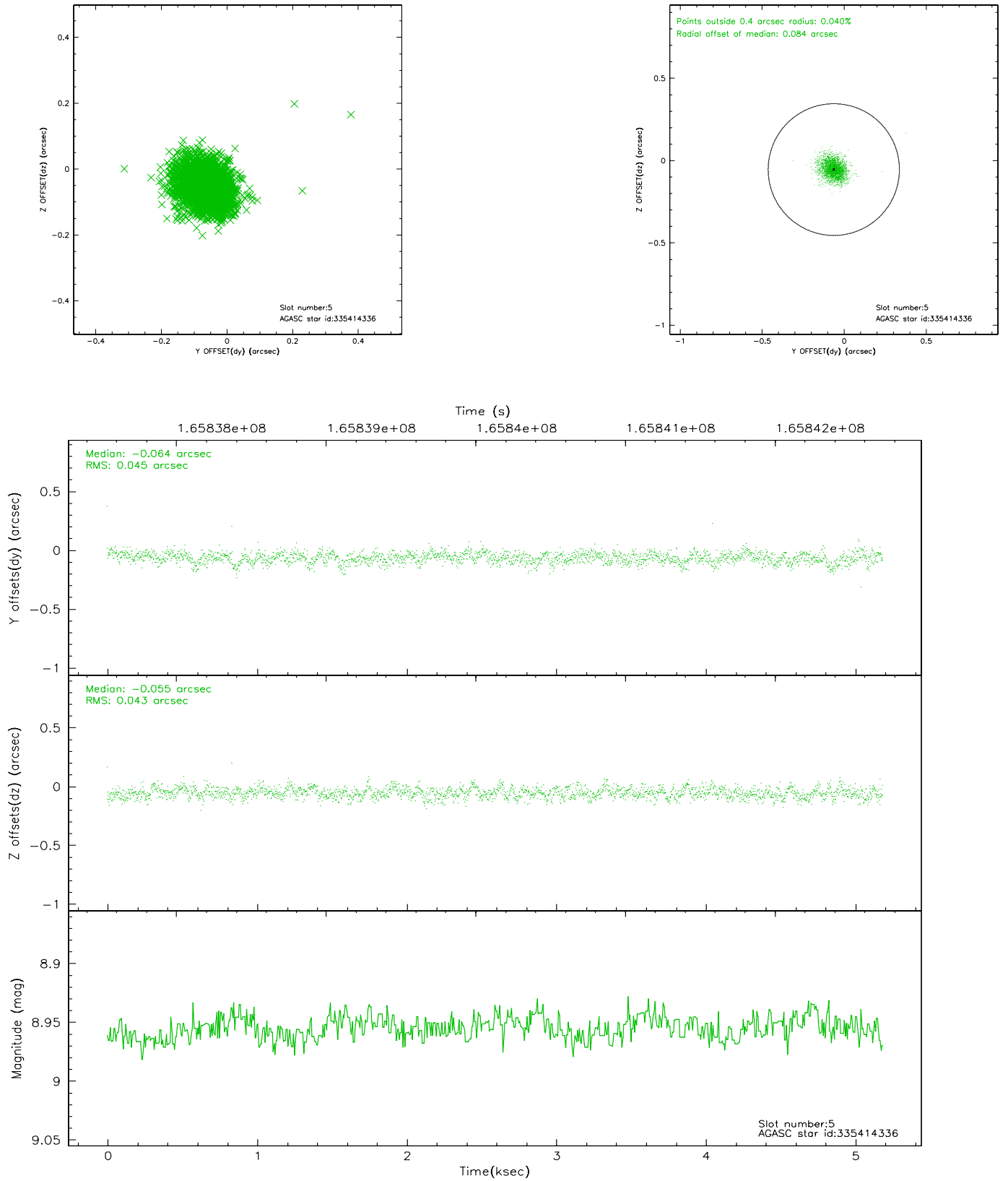
2.4.1 Slot 3



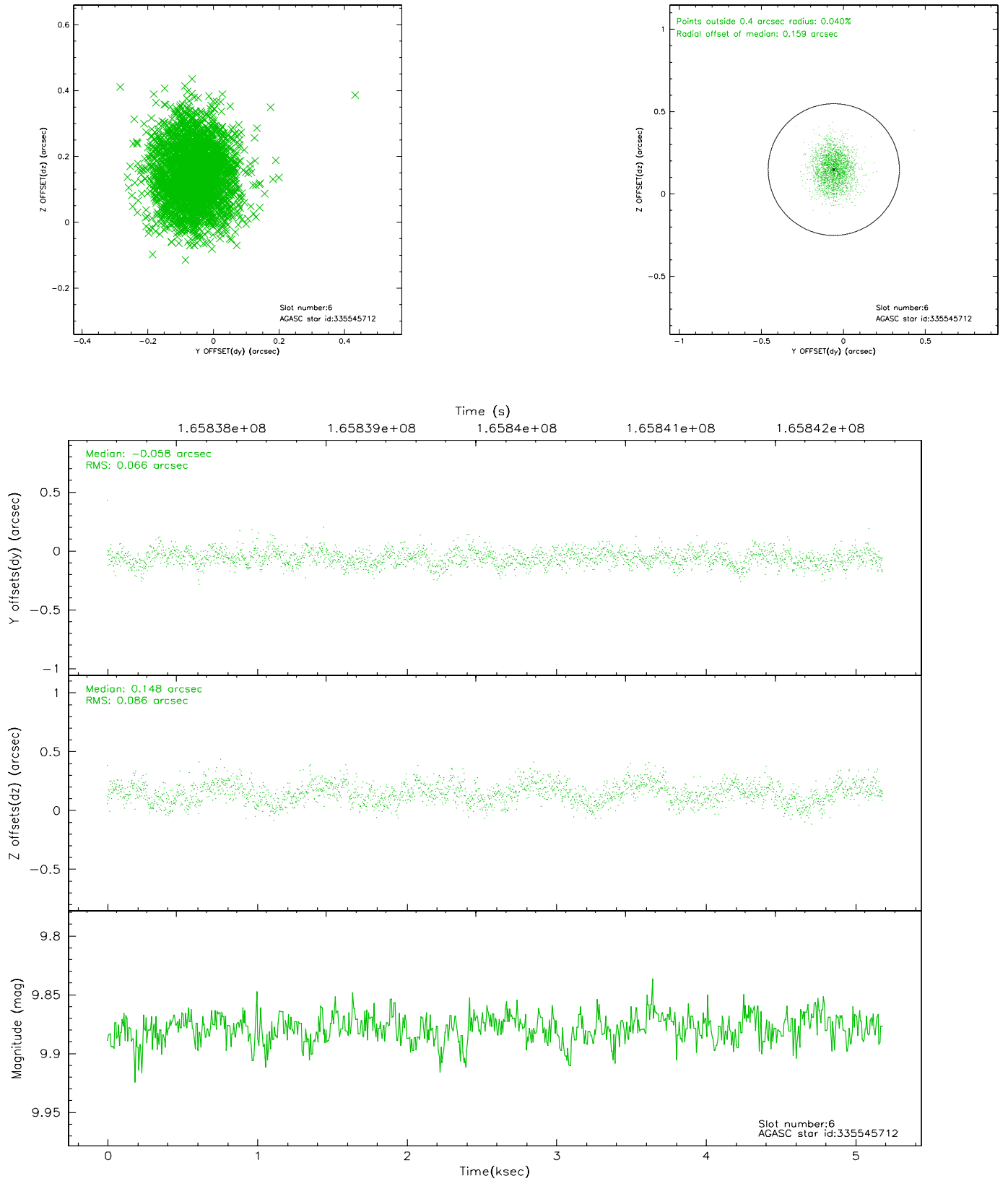
2.4.2 Slot 4



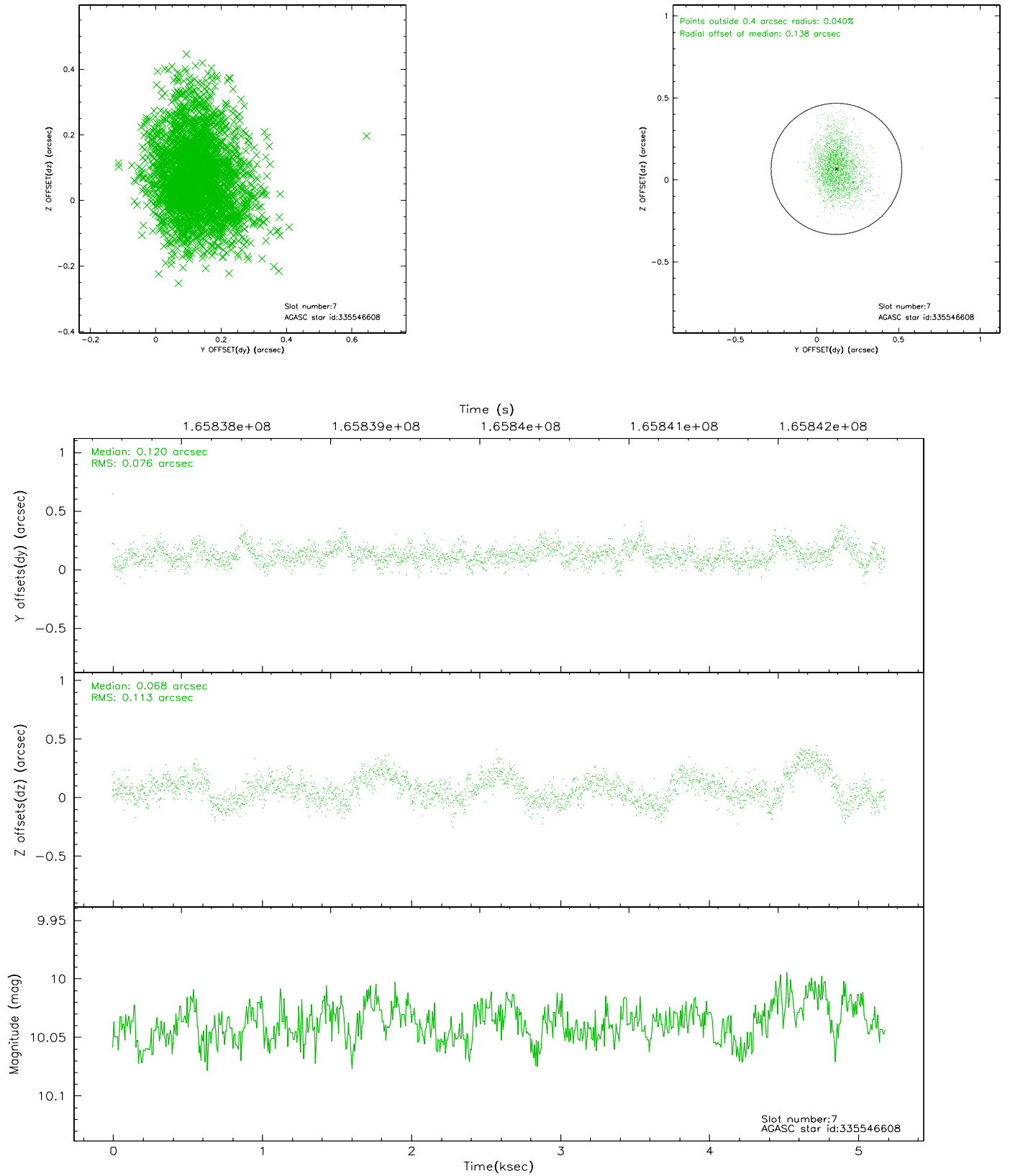
2.4.3 Slot 5



2.4.4 Slot 6

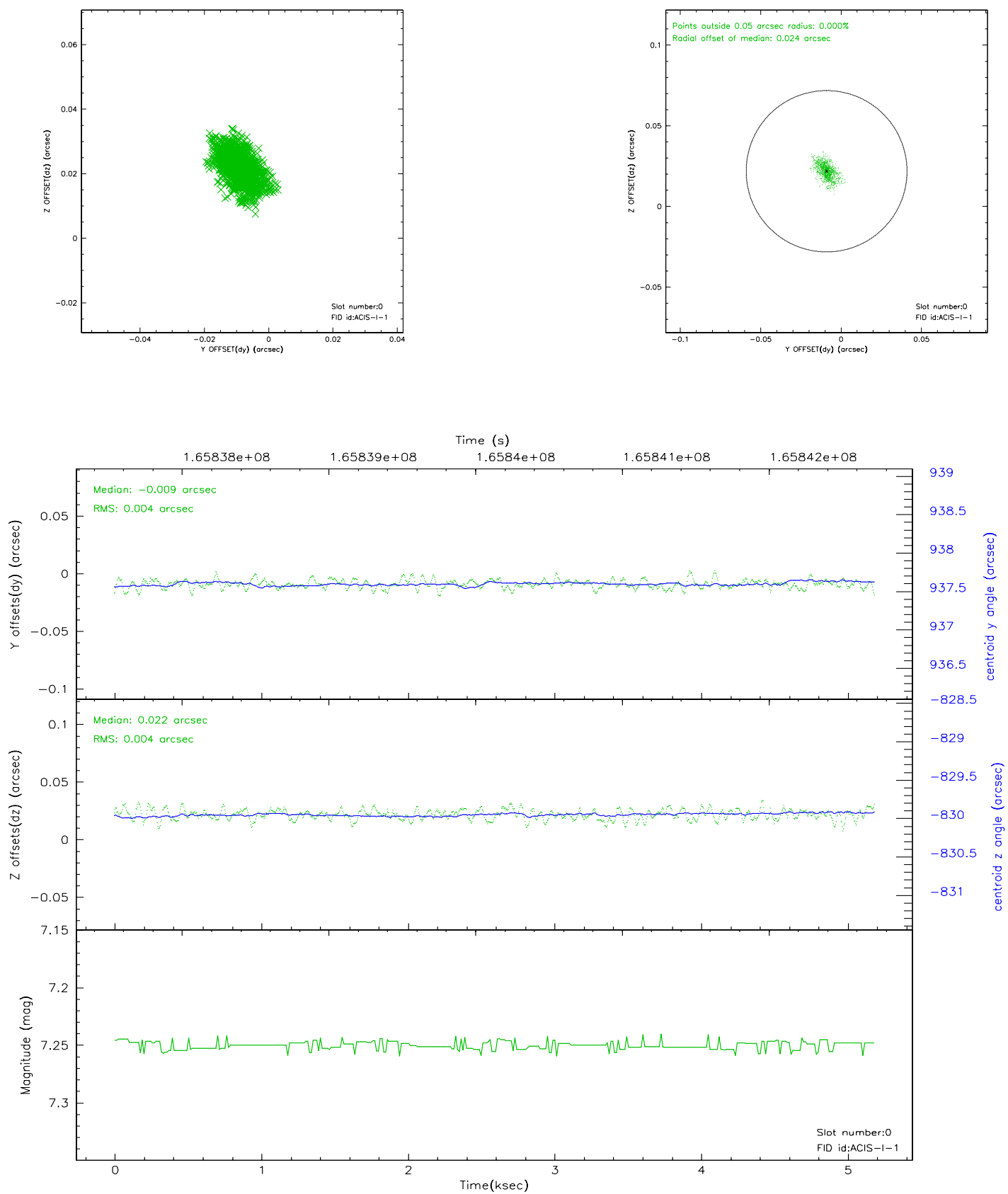


2.4.5 Slot 7

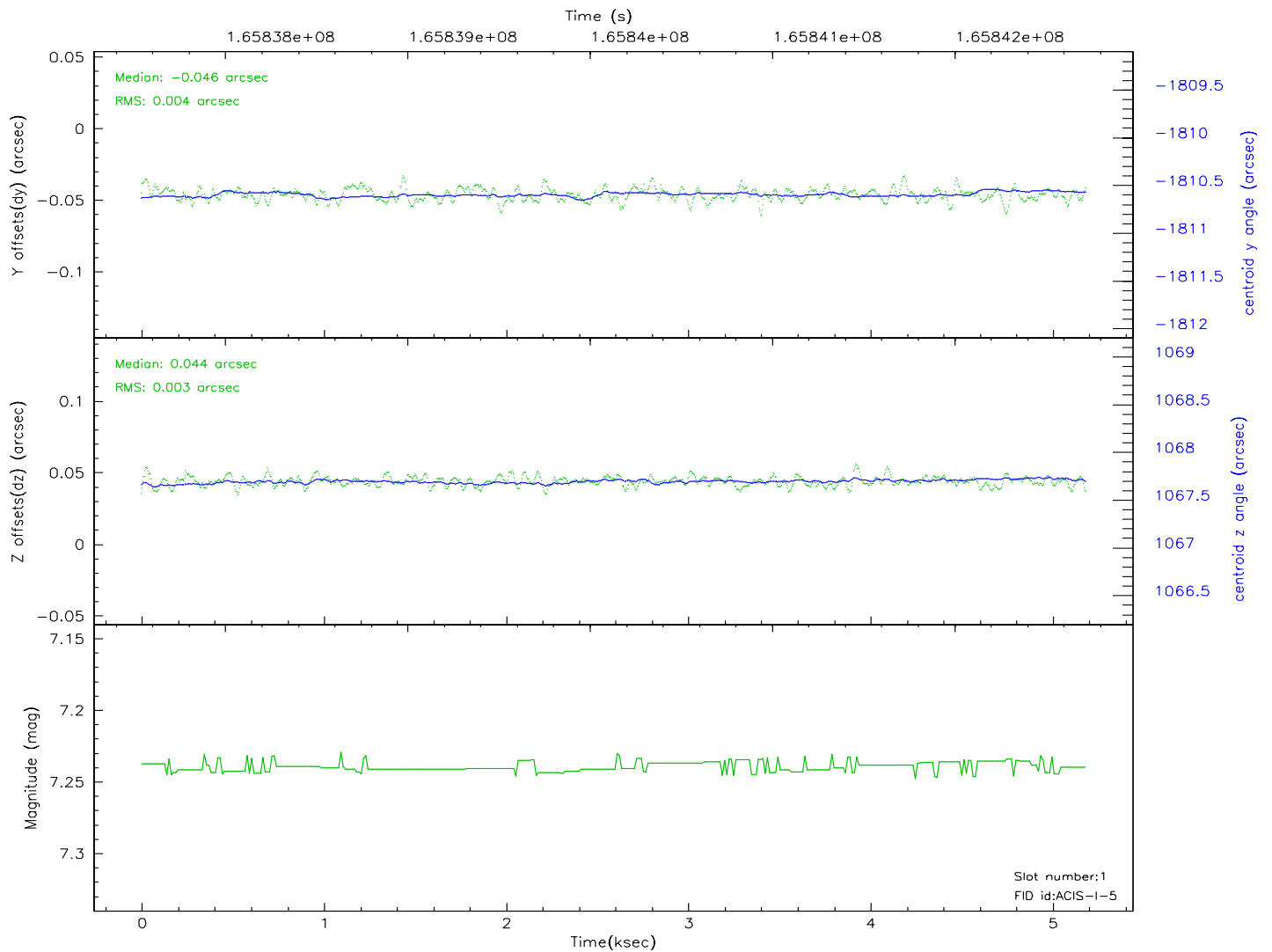
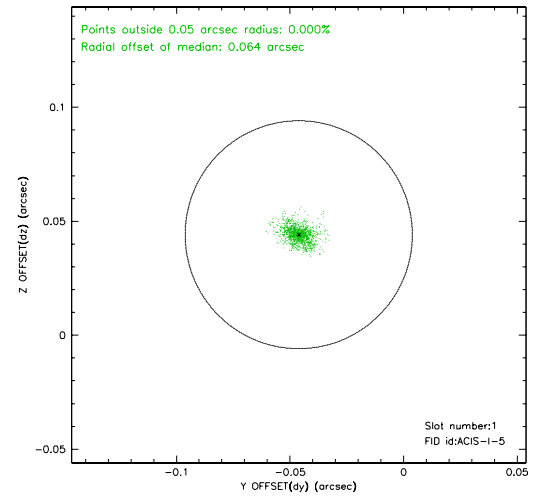
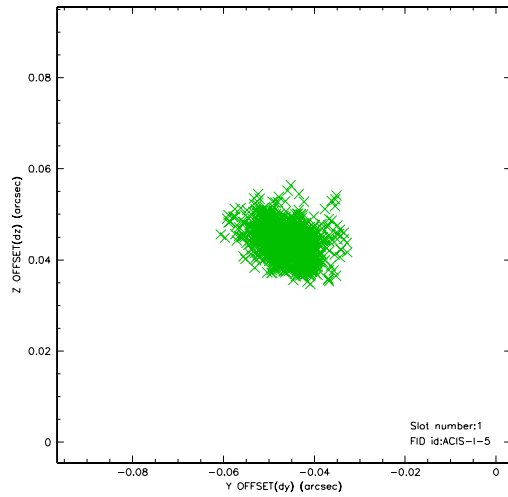


2.5 FID Slots

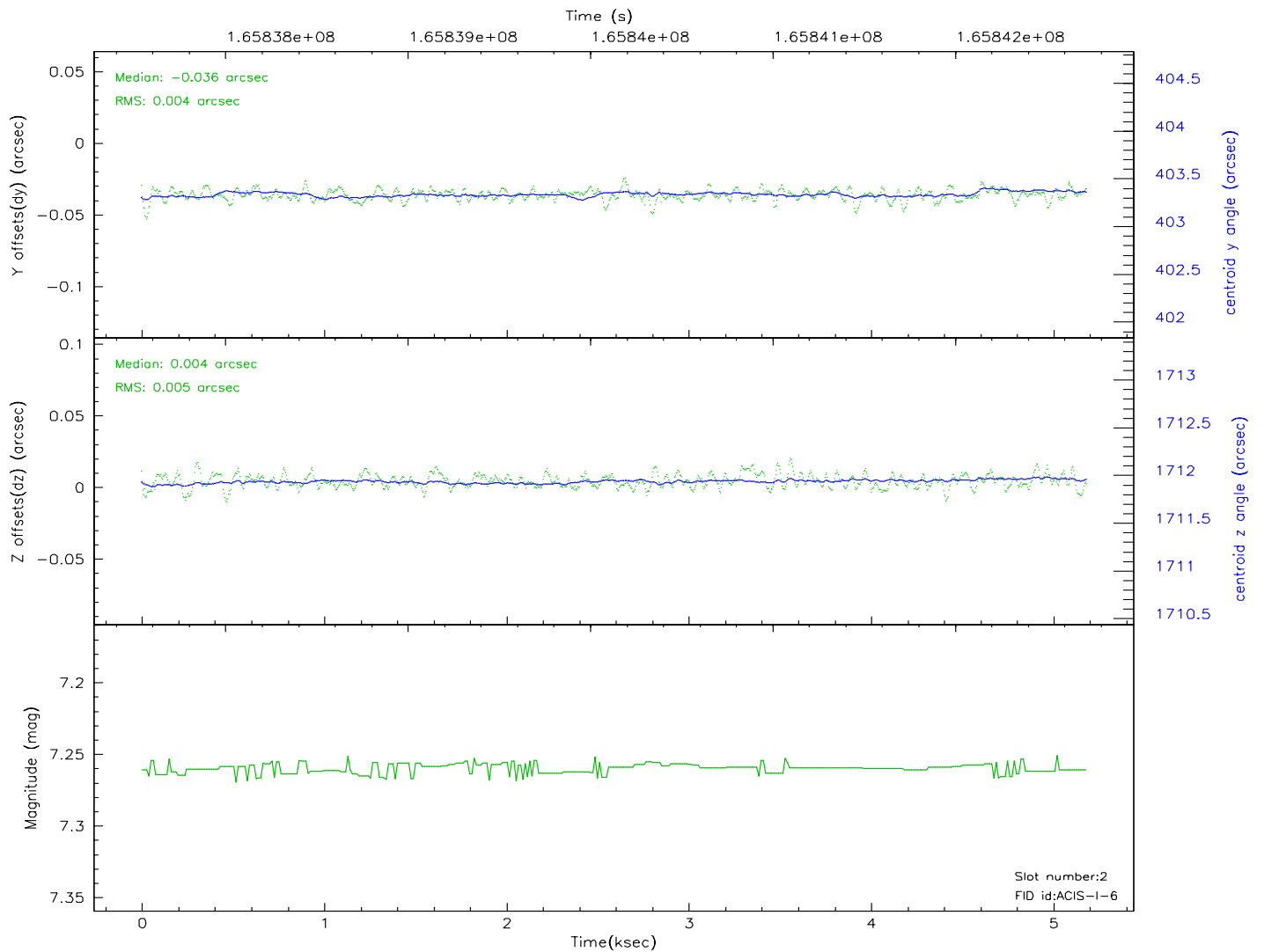
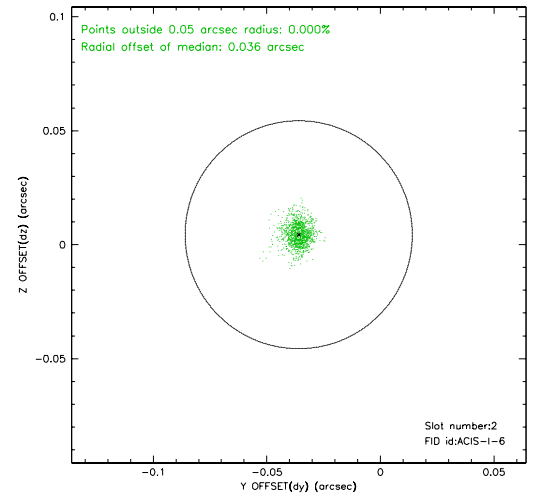
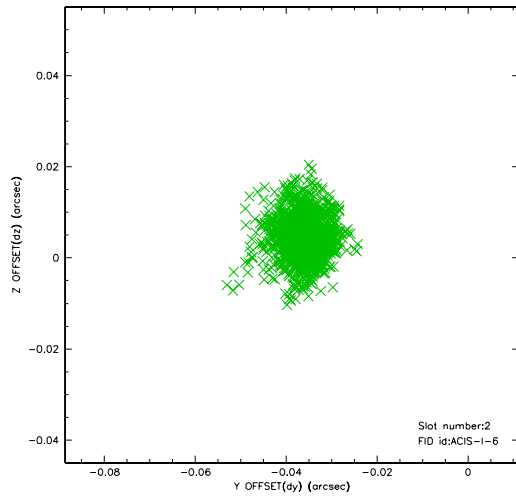
2.5.1 Slot 0



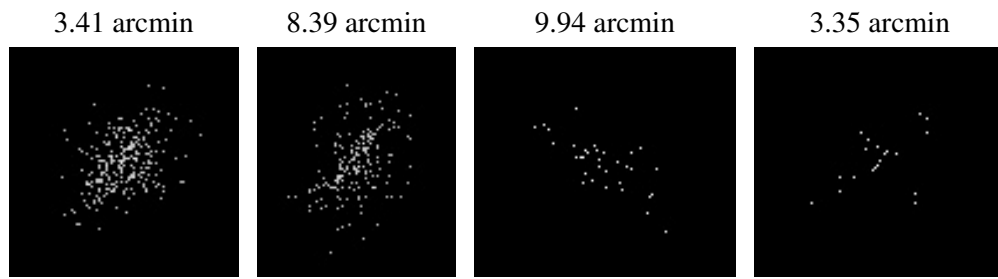
2.5.2 Slot 1



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