

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5429 - L2 Version 002
Chandra X-Ray Center

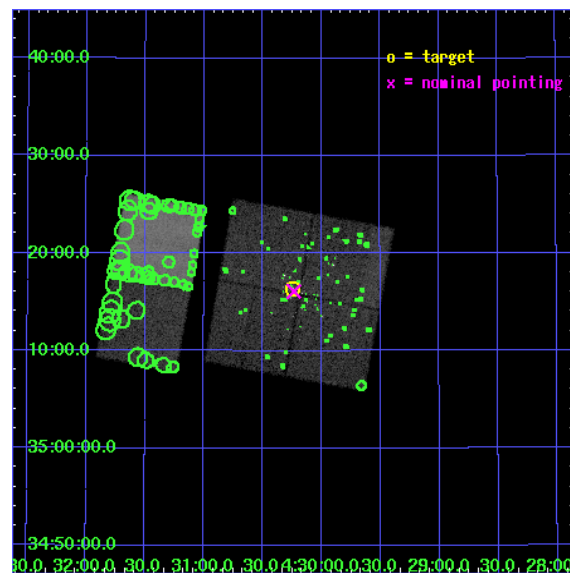
L2 Processing Date: Feb 25 2006

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1 Front

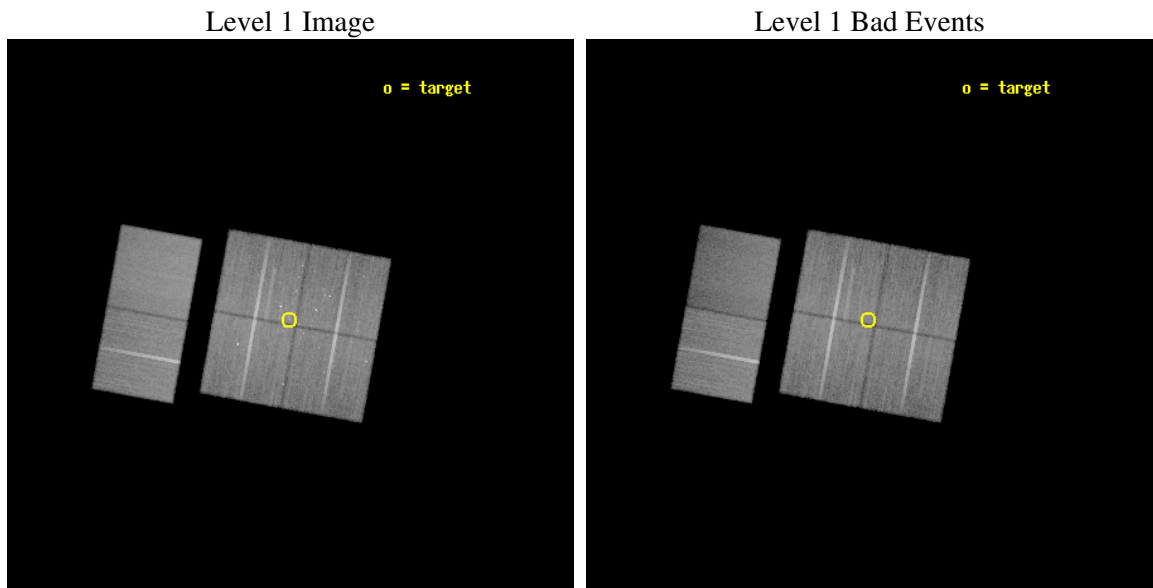
| | |
|----------|--|
| seq_num | 200362 |
| obs_id | 5429 |
| title | Multi-Wavelength Signatures of Magnetic Activity in the Star-Forming Region around LkHa101 |
| observer | Dr. Scott Wolk |
| object | LkHa101 cluster |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 67.56 |
| dec_targ | 35.272833 |
| ra_nom | 67.558741818215 |
| dec_nom | 35.268321116041 |
| roll_nom | 280.33395978986 |
| revision | 2 |
| ontime | 40159.999850392 |
| livetime | 39651.469750838 |
| ontime0 | 40159.999850392 |
| ontime1 | 40159.999850392 |
| ontime2 | 40156.758880079 |
| ontime3 | 40159.999850392 |
| ontime6 | 40159.999850392 |
| ontime7 | 40159.999850392 |
| l2events | 226297 |



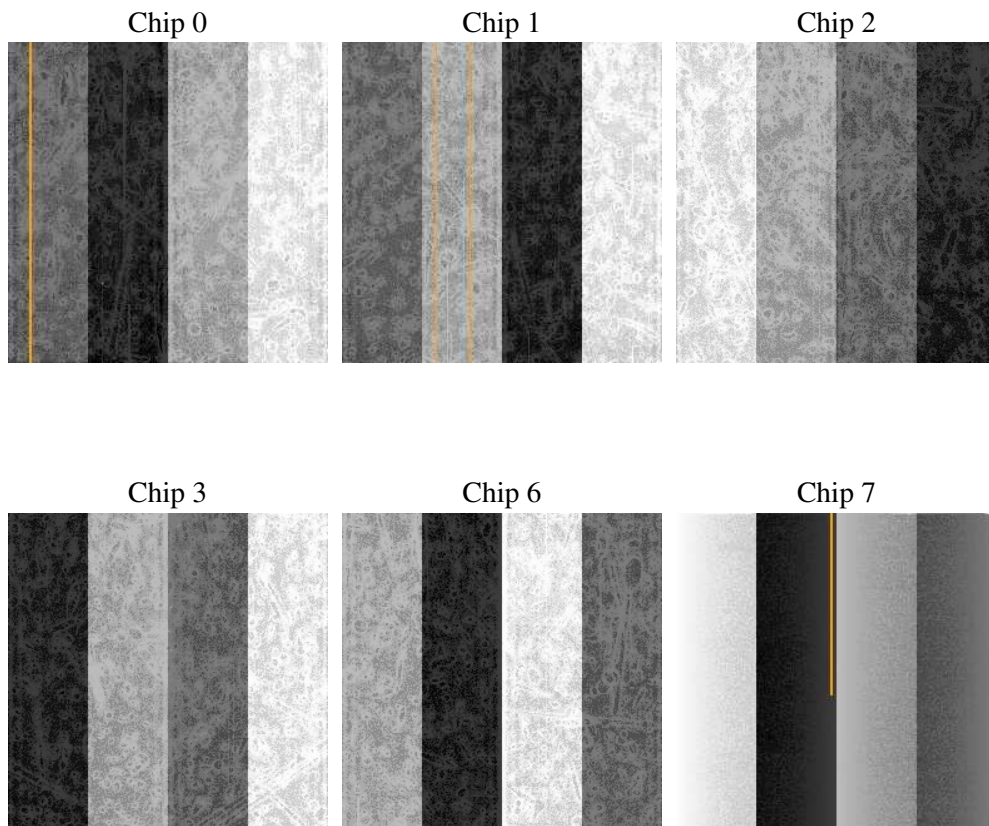
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7 |
| caldsver | 3.2.1 |
| date | 2006-02-25T15:17:45 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 40000.000000 |
| ontime | 41202.86243701 |
| ontime0 | 41202.86243701 |
| ontime1 | 41202.862456918 |
| ontime2 | 41199.621466696 |
| ontime3 | 41202.86243701 |
| ontime6 | 41202.862456918 |
| ontime7 | 41202.862456918 |
| l1events | 1525823 |

2.1.4 Events

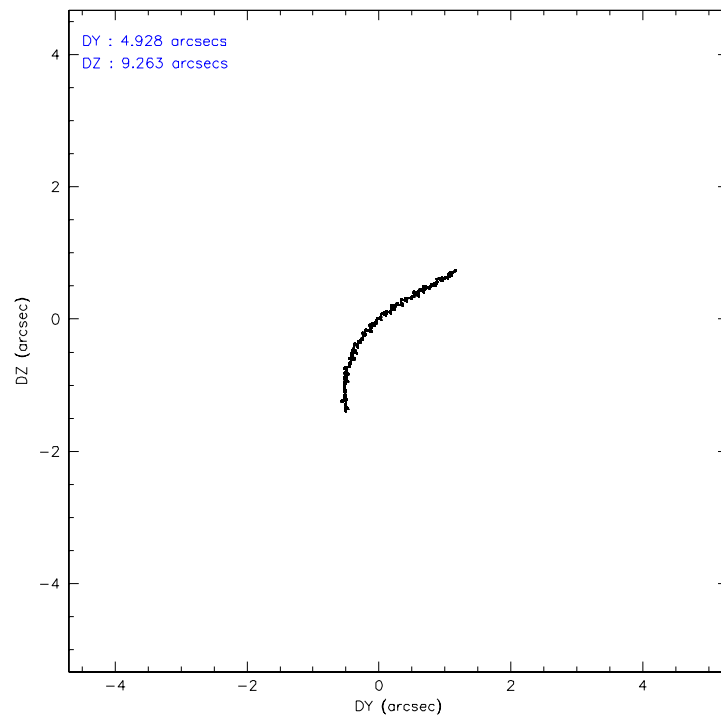
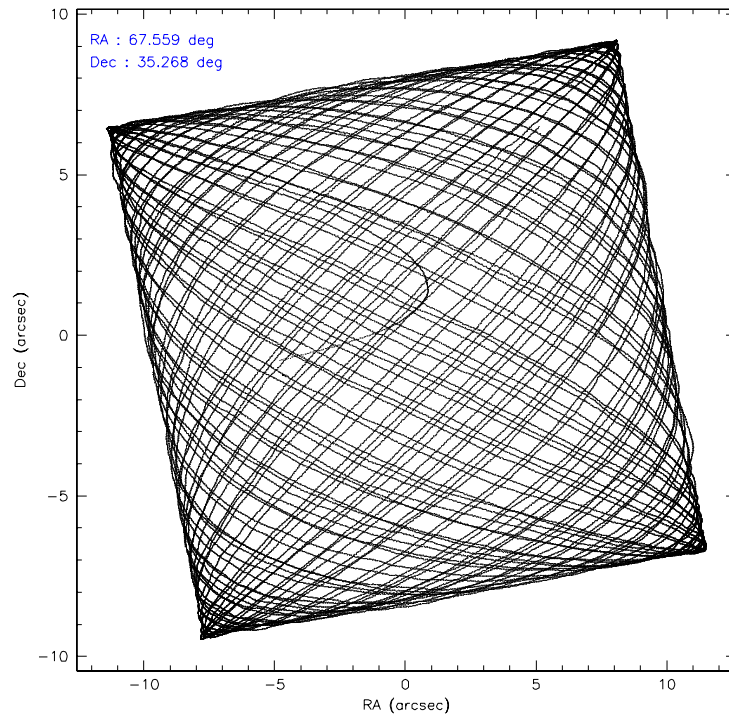
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 231338 | 234624 | 259544 | 257370 | 262608 | 280339 |
| rejected events | 204960 | 202789 | 232799 | 230551 | 237481 | 166011 |
| rejected % | 88% | 86% | 89% | 89% | 90% | 59% |

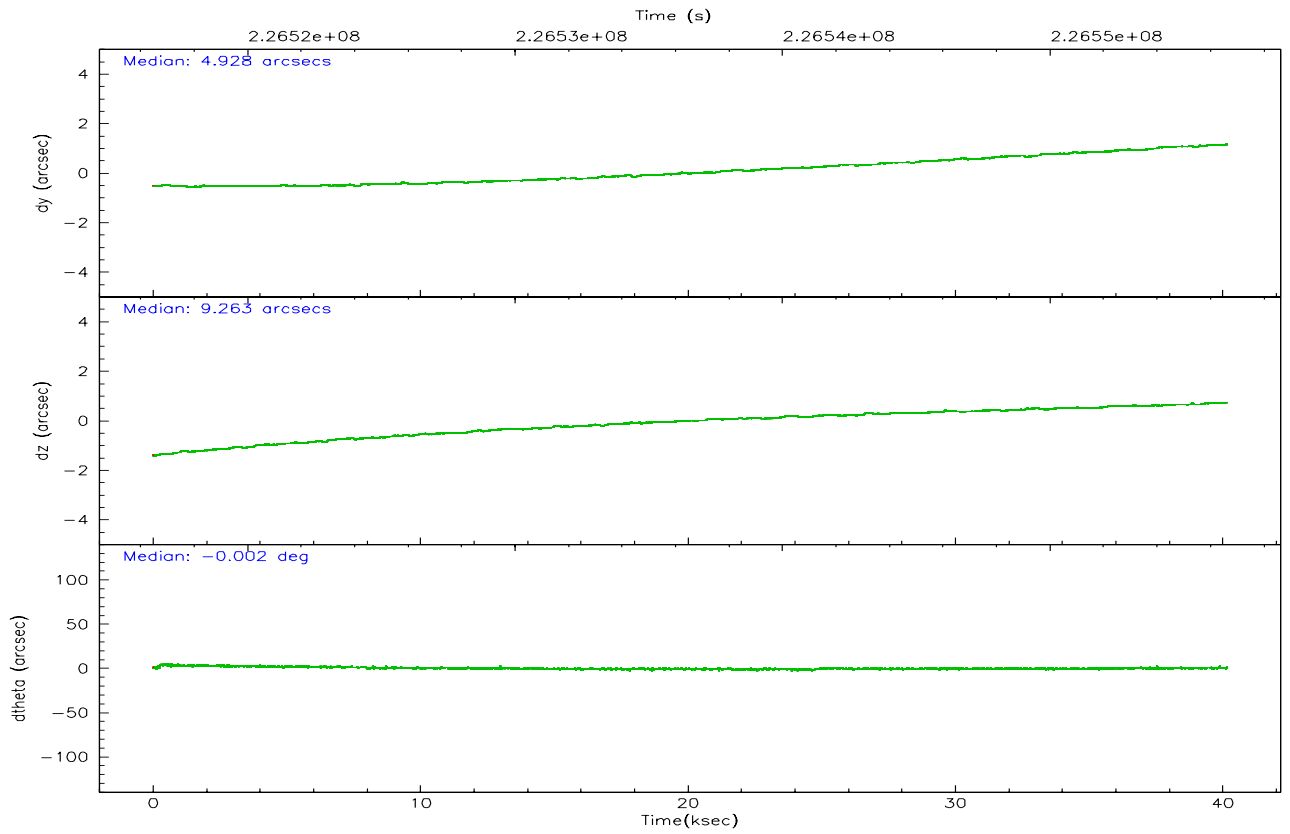
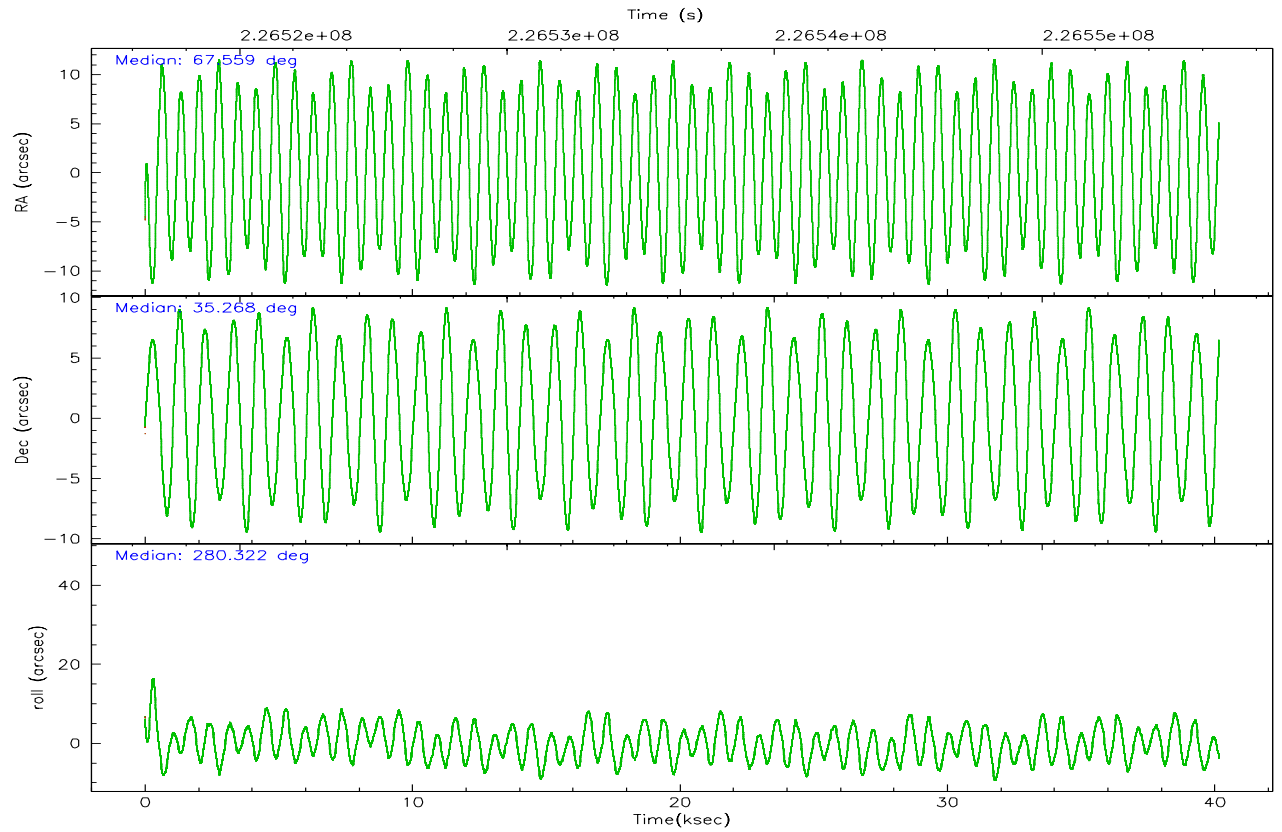
| | ccd 0 | ccd 1 | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|--------|--------|--------|--------|--------|--------|
| grade 0 events | 10221 | 13777 | 10820 | 11471 | 8503 | 6436 |
| | 4% | 5% | 4% | 4% | 3% | 2% |
| grade 1 events | 120 | 128 | 179 | 166 | 123 | 146 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 6348 | 6595 | 6167 | 5559 | 5918 | 29000 |
| | 2% | 2% | 2% | 2% | 2% | 10% |
| grade 3 events | 2933 | 3219 | 2837 | 2829 | 2873 | 6692 |
| | 1% | 1% | 1% | 1% | 1% | 2% |
| grade 4 events | 2712 | 3155 | 2870 | 2870 | 2967 | 6612 |
| | 1% | 1% | 1% | 1% | 1% | 2% |
| grade 5 events | 8864 | 9462 | 8488 | 10335 | 10411 | 21792 |
| | 3% | 4% | 3% | 4% | 3% | 7% |
| grade 6 events | 4812 | 5742 | 4668 | 4706 | 5550 | 68604 |
| | 2% | 2% | 1% | 1% | 2% | 24% |
| grade 7 events | 195328 | 192546 | 223515 | 219434 | 226263 | 141057 |
| | 84% | 82% | 86% | 85% | 86% | 50% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|-----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-012367 | ACIS-012367 | 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 | 67.536950 | 67.55874181821503 | Alternating exposures requested | N | N |
| Pointing Dec | 35.289109 | 35.26832111604109 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 280.137860 | 280.333959789858 | | | |
| 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 | 226516628.184000 | 226515048.36463 | | | |
| Observation start date | 2005-03-06T17:16:04 | 2005-03-06T16:50:48 | | | |
| Observation end time | 226556628.184000 | 226558048.65408 | | | |
| Observation end date | 2005-03-07T04:22:44 | 2005-03-07T04:47:28 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



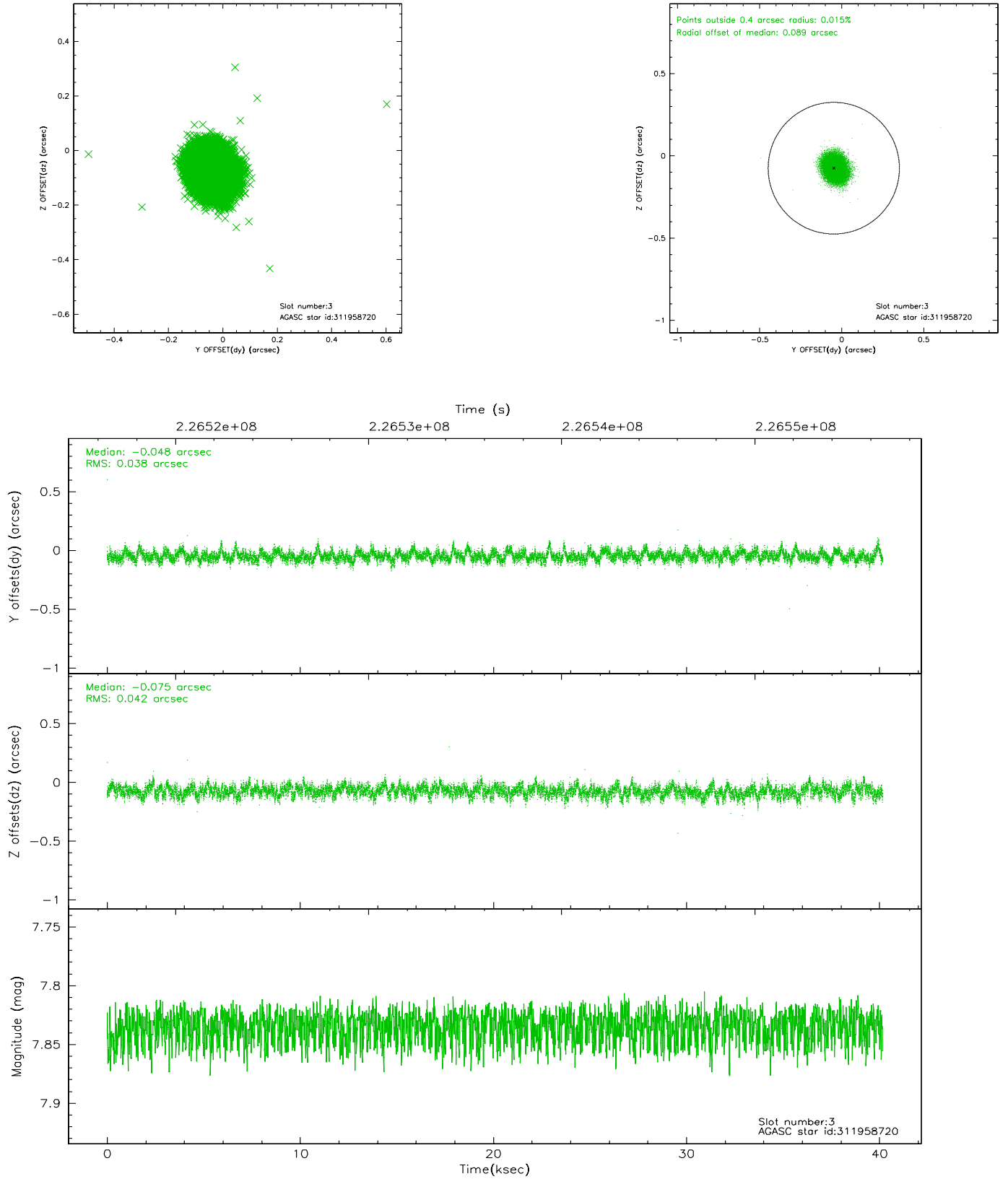


Slot Statistics

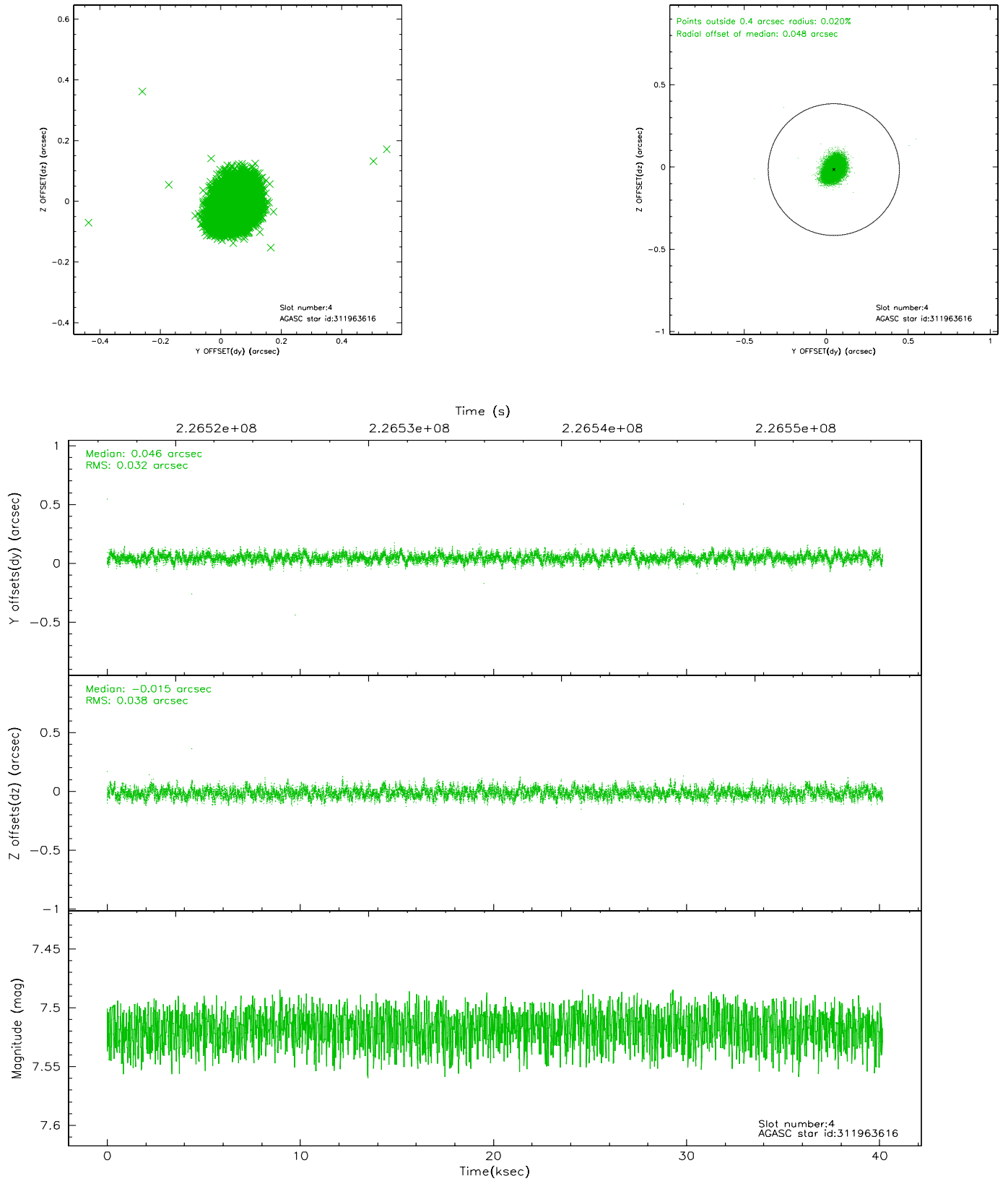
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|-----------|-----------|----------|----------|
| 0 | FID | ACIS-I-1 | 7.24 | 9797 | -0.013 | 0.058 | 0.011 | 0.020 | 0.000000 | 0.000000 | 934.69 | -832.54 |
| 1 | FID | ACIS-I-4 | 7.17 | 9797 | 0.063 | -0.010 | 0.020 | 0.032 | 0.000000 | 0.000000 | 2154.83 | 1067.18 |
| 2 | FID | ACIS-I-5 | 7.22 | 9797 | -0.149 | 0.023 | 0.017 | 0.035 | 0.000000 | 0.000000 | -1813.42 | 1065.10 |
| 3 | GUIDE | 311958720 | 7.83 | 19593 | -0.048 | -0.075 | 0.059 | 0.098 | 67.019976 | 35.020500 | 680.38 | -1669.61 |
| 4 | GUIDE | 311963616 | 7.52 | 19594 | 0.046 | -0.015 | 0.052 | 0.087 | 67.301368 | 35.265783 | -39.37 | -696.14 |
| 5 | GUIDE | 312084320 | 9.61 | 19575 | 0.155 | -0.085 | 0.126 | 0.202 | 67.603566 | 35.117886 | 641.87 | 84.82 |
| 6 | GUIDE | 312086016 | 9.60 | 19583 | -0.108 | 0.067 | 0.104 | 0.170 | 68.214693 | 35.296559 | 317.36 | 1966.57 |
| 7 | GUIDE | 312086640 | 8.67 | 19587 | -0.043 | 0.110 | 0.067 | 0.109 | 67.746042 | 35.599832 | -994.44 | 800.44 |

2.4 Star Slots

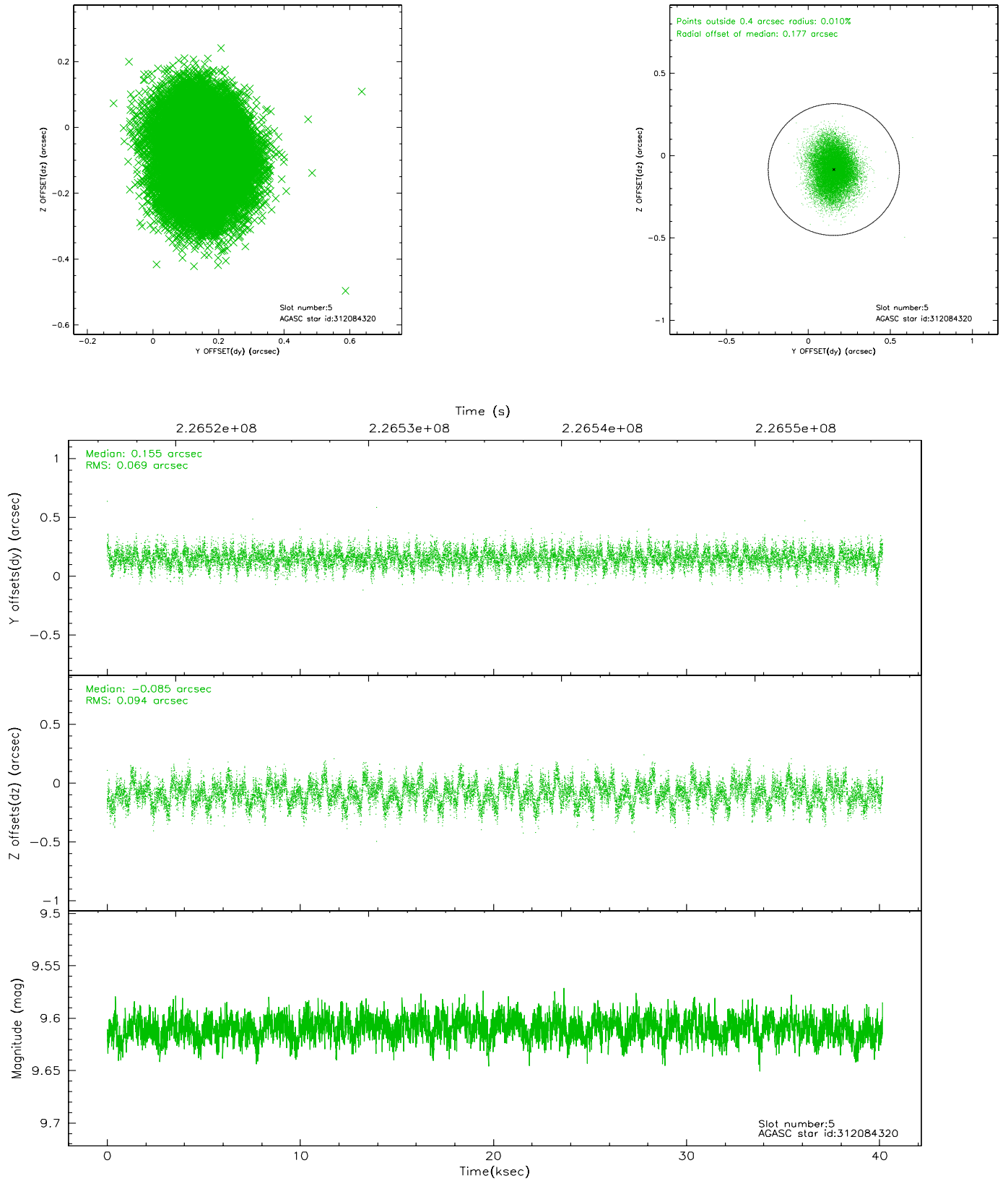
2.4.1 Slot 3



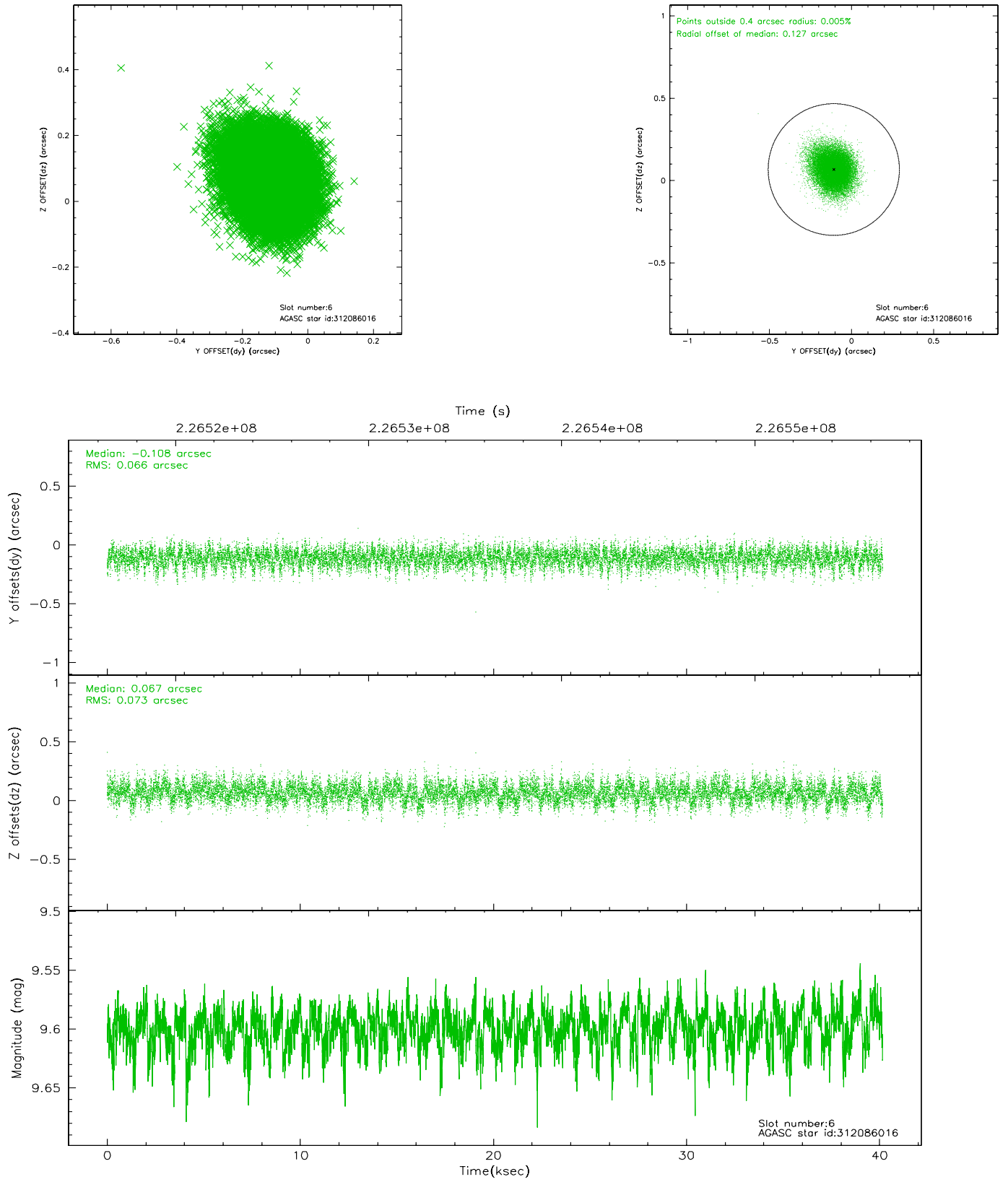
2.4.2 Slot 4



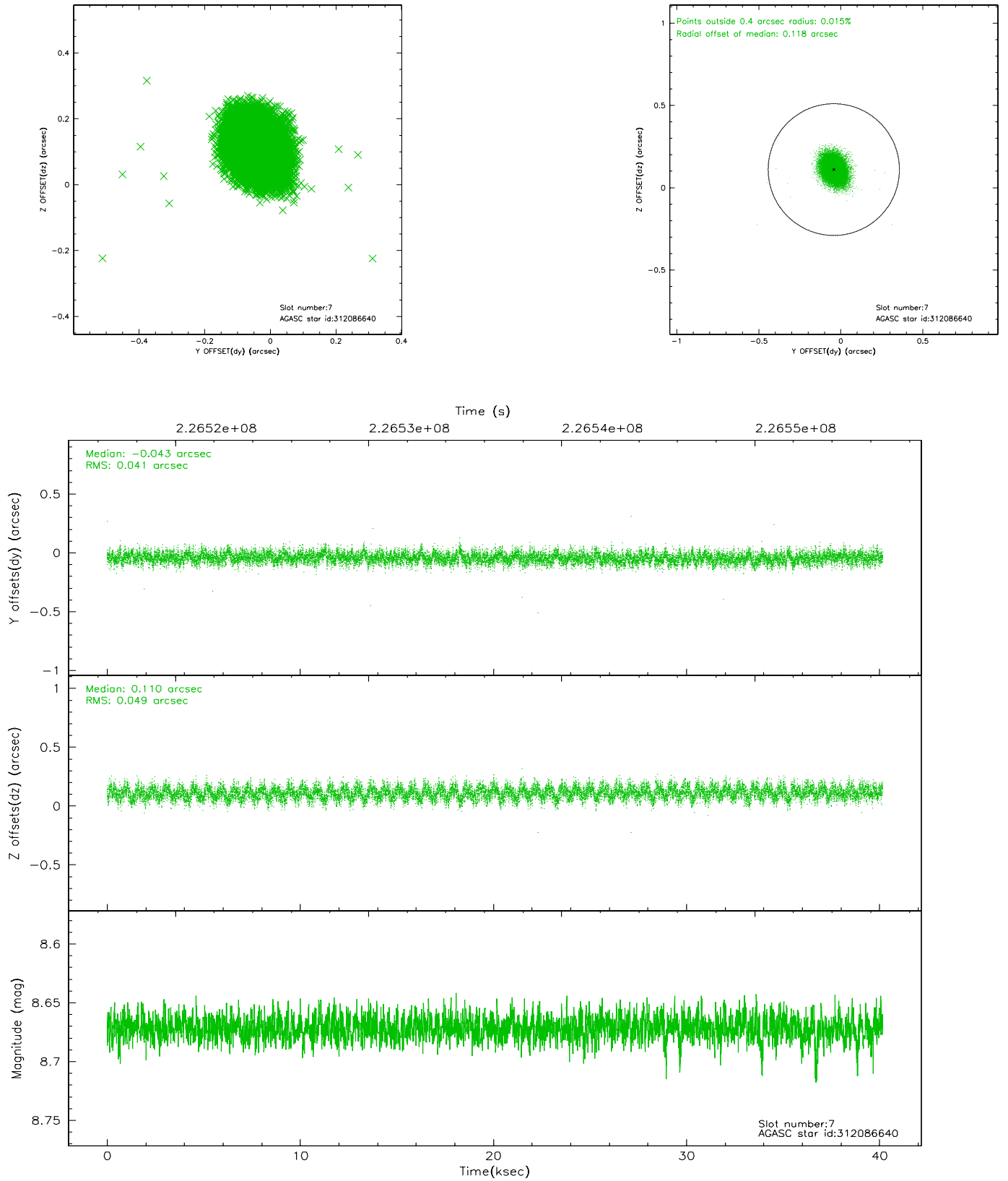
2.4.3 Slot 5



2.4.4 Slot 6

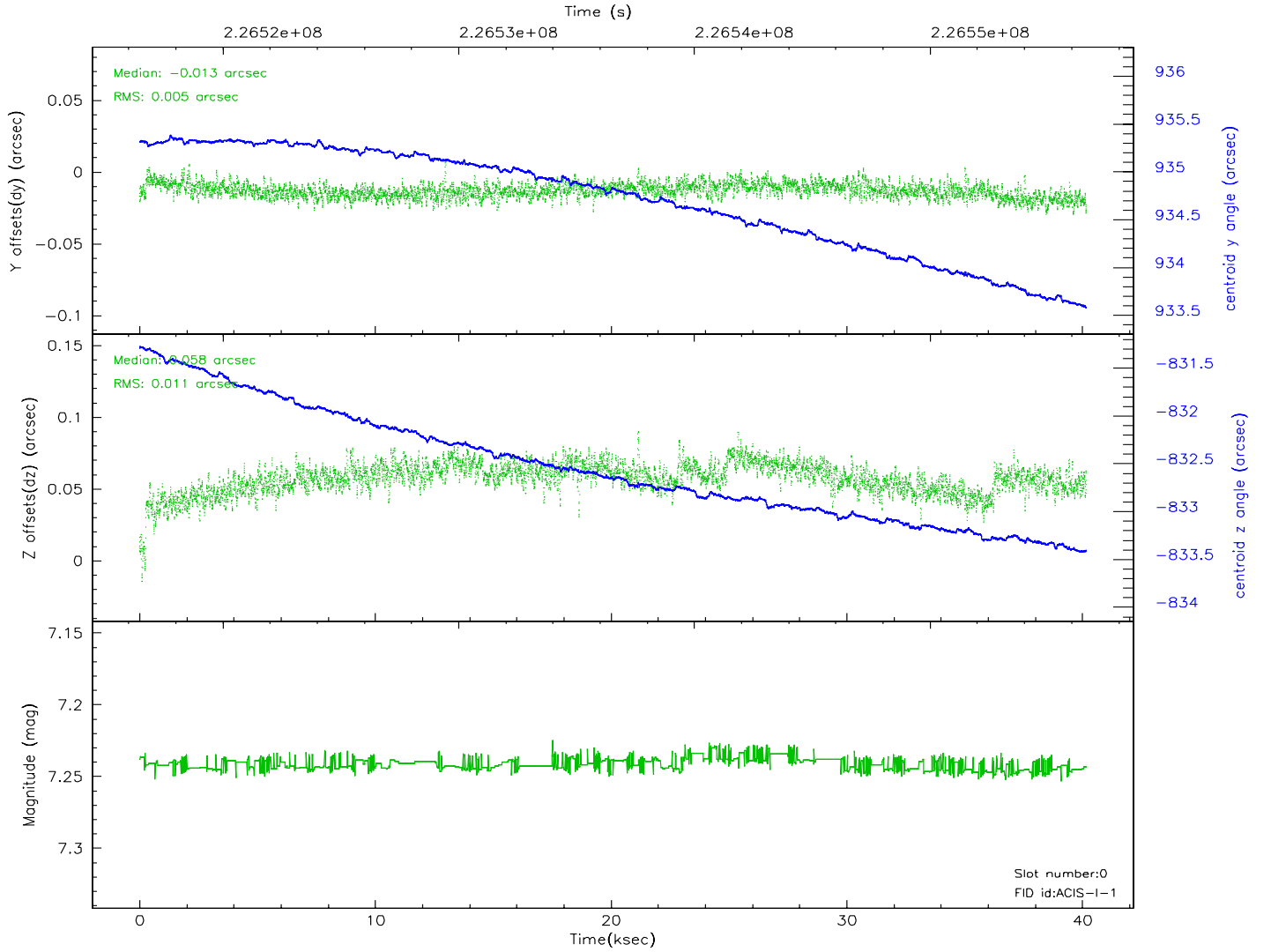
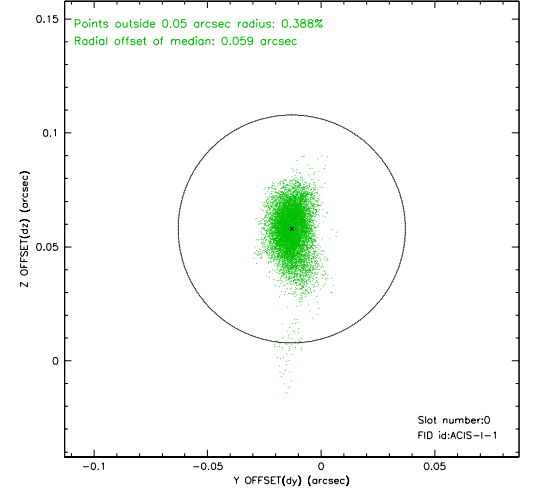
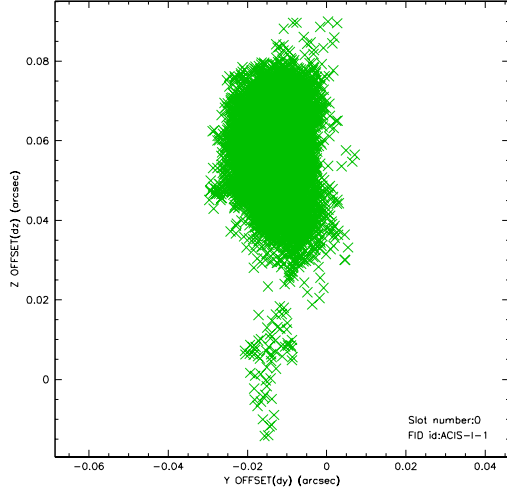


2.4.5 Slot 7

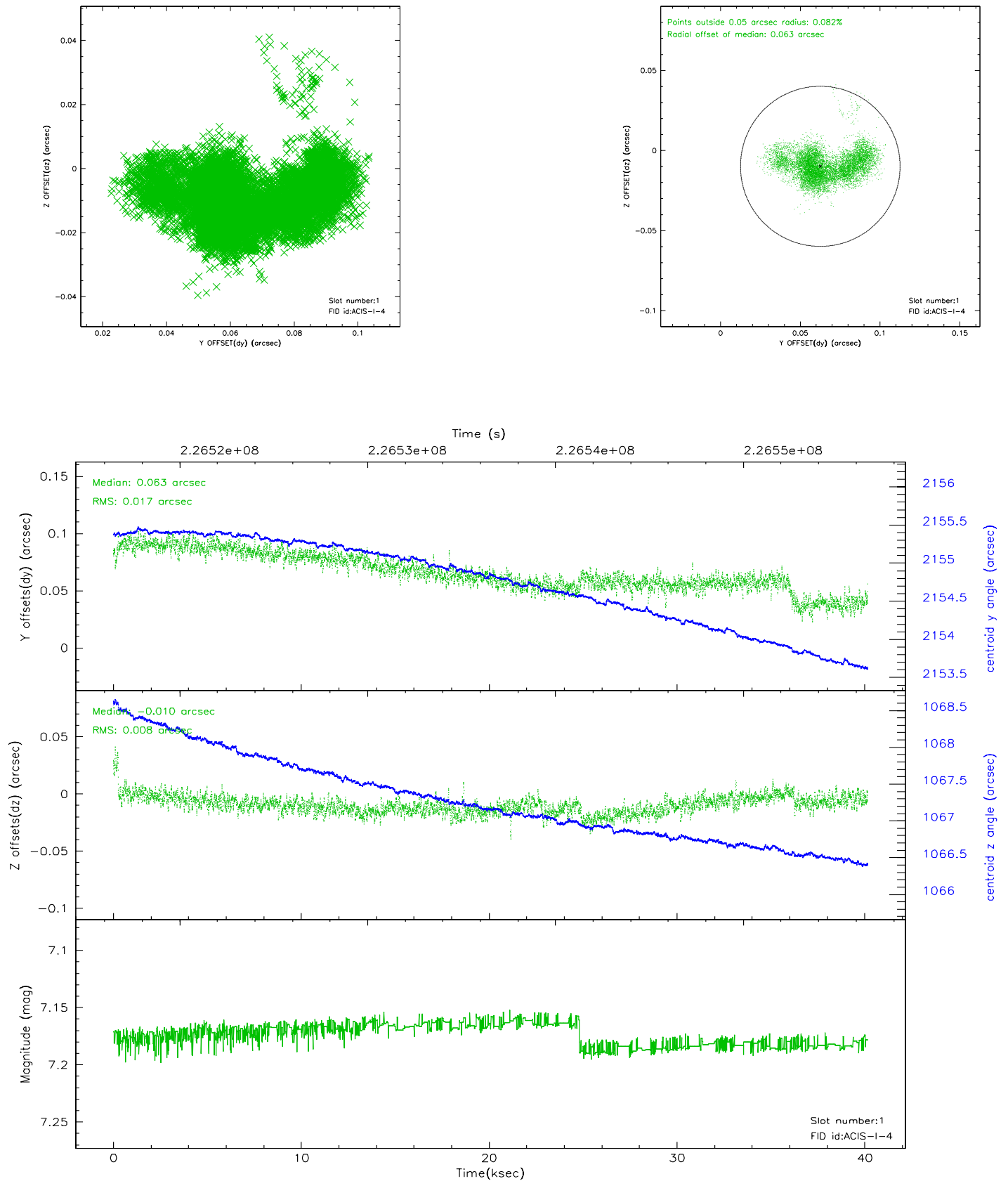


2.5 FID Slots

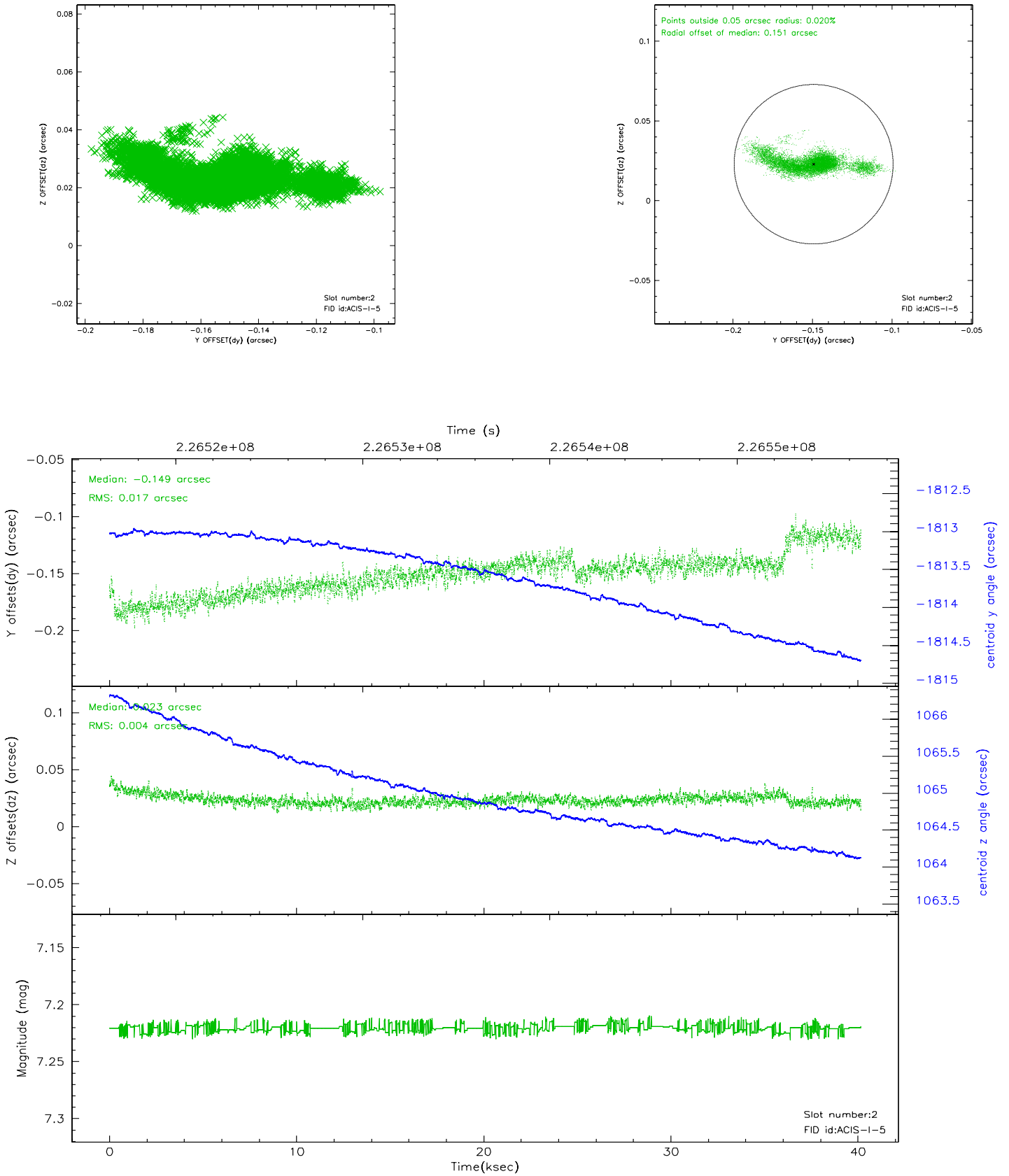
2.5.1 Slot 0



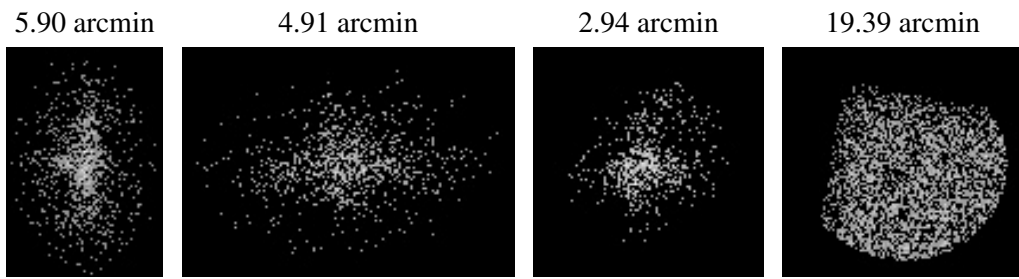
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|-------------|
| V&V Scientist | Doug Morgan |
| V&V Date (YYYY-MM-DD) | 2006.02.26 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 40.15999 |

A.2 Comments