

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 5256 - L2 Version 001
Chandra X-Ray Center

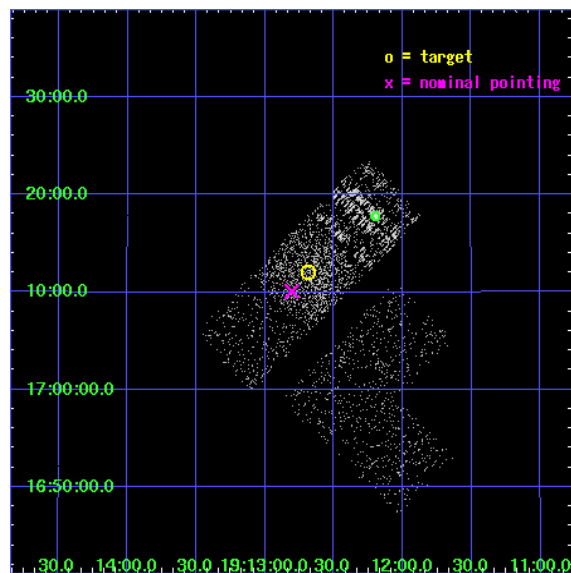
L2 Processing Date : Jun 26 2006

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1 Front

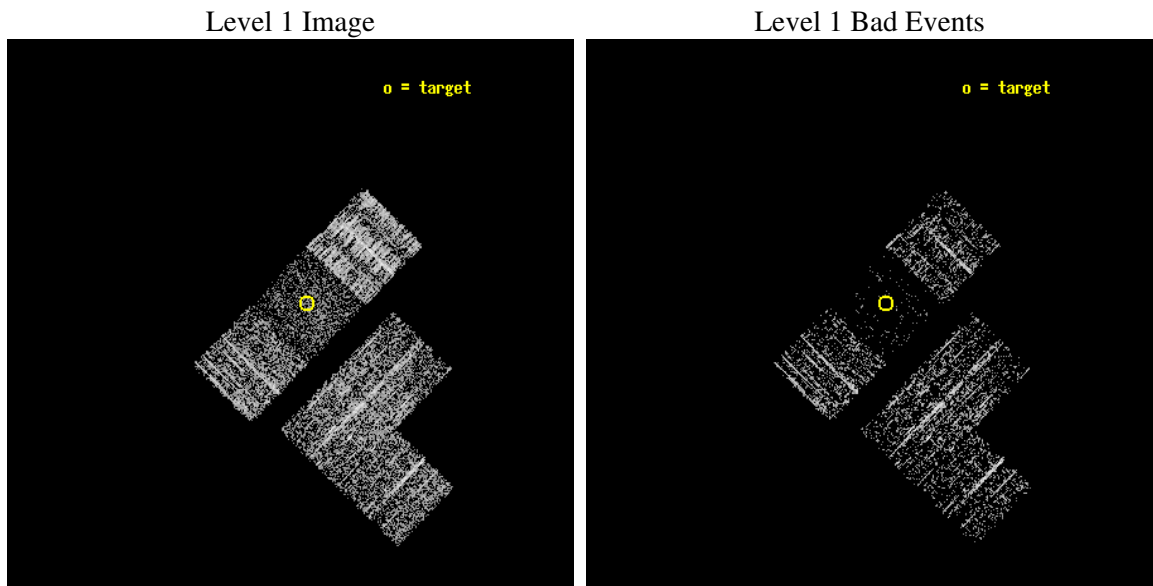
| | |
|----------|---|
| seq_num | 100051 |
| obs_id | 5256 |
| title | High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation |
| observer | Dr. Carey Lisse |
| object | 2P/Encke (2003) |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 288.17115 |
| dec_targ | 17.20017 |
| ra_nom | 288.20130651229 |
| dec_nom | 17.168049657277 |
| roll_nom | 314.14777970651 |
| revision | 2 |
| ontime | 1475.1999945045 |
| livetime | 1456.5201239152 |
| ontime0 | 1475.1999945045 |
| ontime2 | 1475.1999945045 |
| ontime3 | 1475.1999945045 |
| ontime6 | 1475.1999945045 |
| ontime7 | 1475.1999945045 |
| ontime8 | 1475.1999945045 |
| l2events | 4296 |



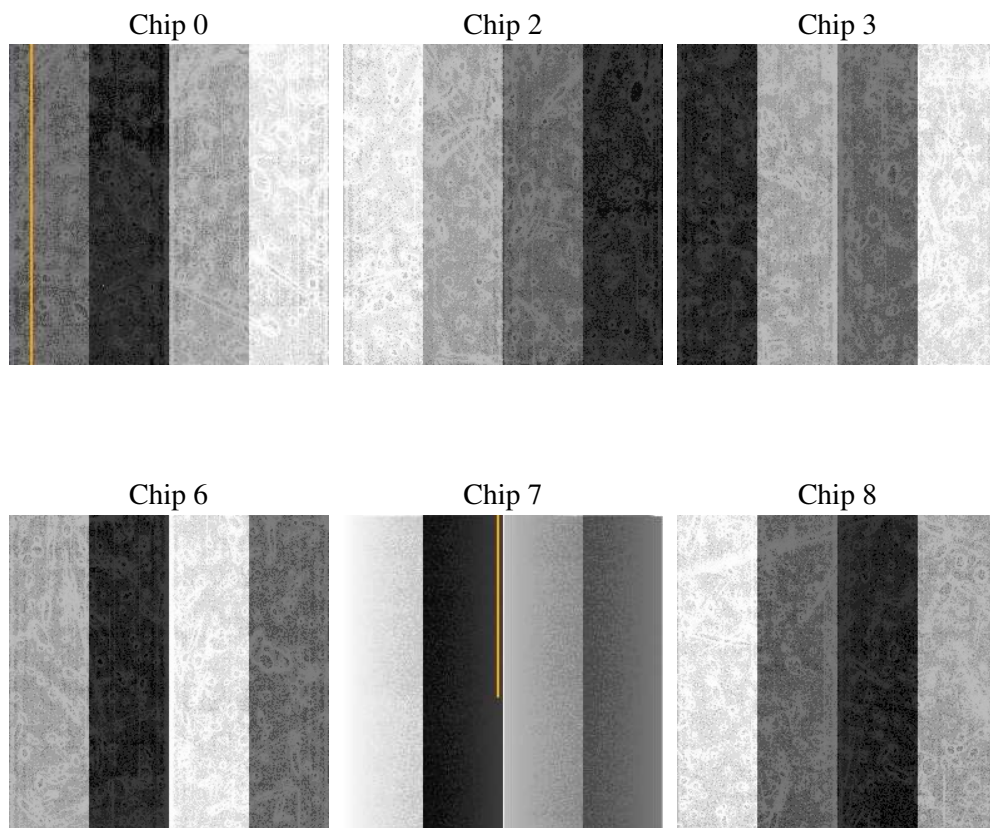
2 OBI

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 | 2006-06-26T17:16:41 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 1290.000000 |
| ontime | 1798.7556878328 |
| ontime0 | 1798.7556679249 |
| ontime2 | 1798.7556978464 |
| ontime3 | 1798.7556978464 |
| ontime6 | 1798.7556978464 |
| ontime7 | 1798.7556878328 |
| ontime8 | 1798.7556978464 |
| l1events | 40889 |

2.1.4 Events

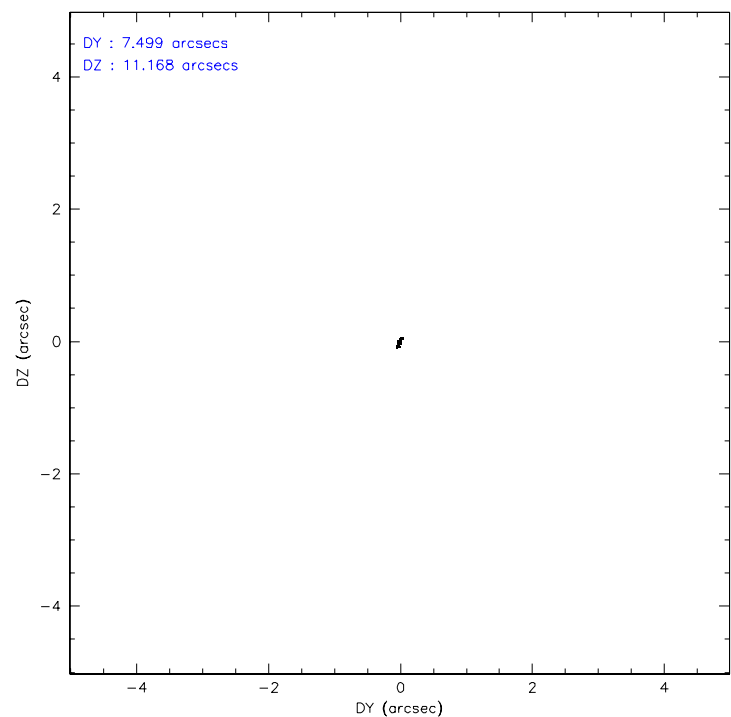
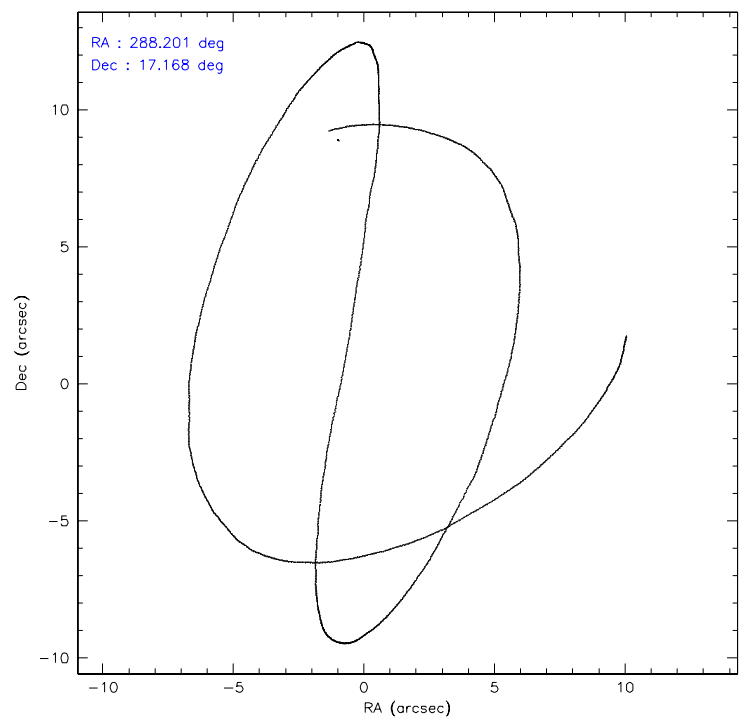
| | ccd 0 | ccd 2 | ccd 3 | ccd 6 | ccd 7 | ccd 8 |
|-----------------|-------|-------|-------|-------|-------|-------|
| level 1 events | 5645 | 7247 | 6307 | 6937 | 2392 | 12361 |
| rejected events | 5146 | 6685 | 5953 | 6430 | 996 | 7059 |
| rejected % | 91% | 92% | 94% | 92% | 41% | 57% |

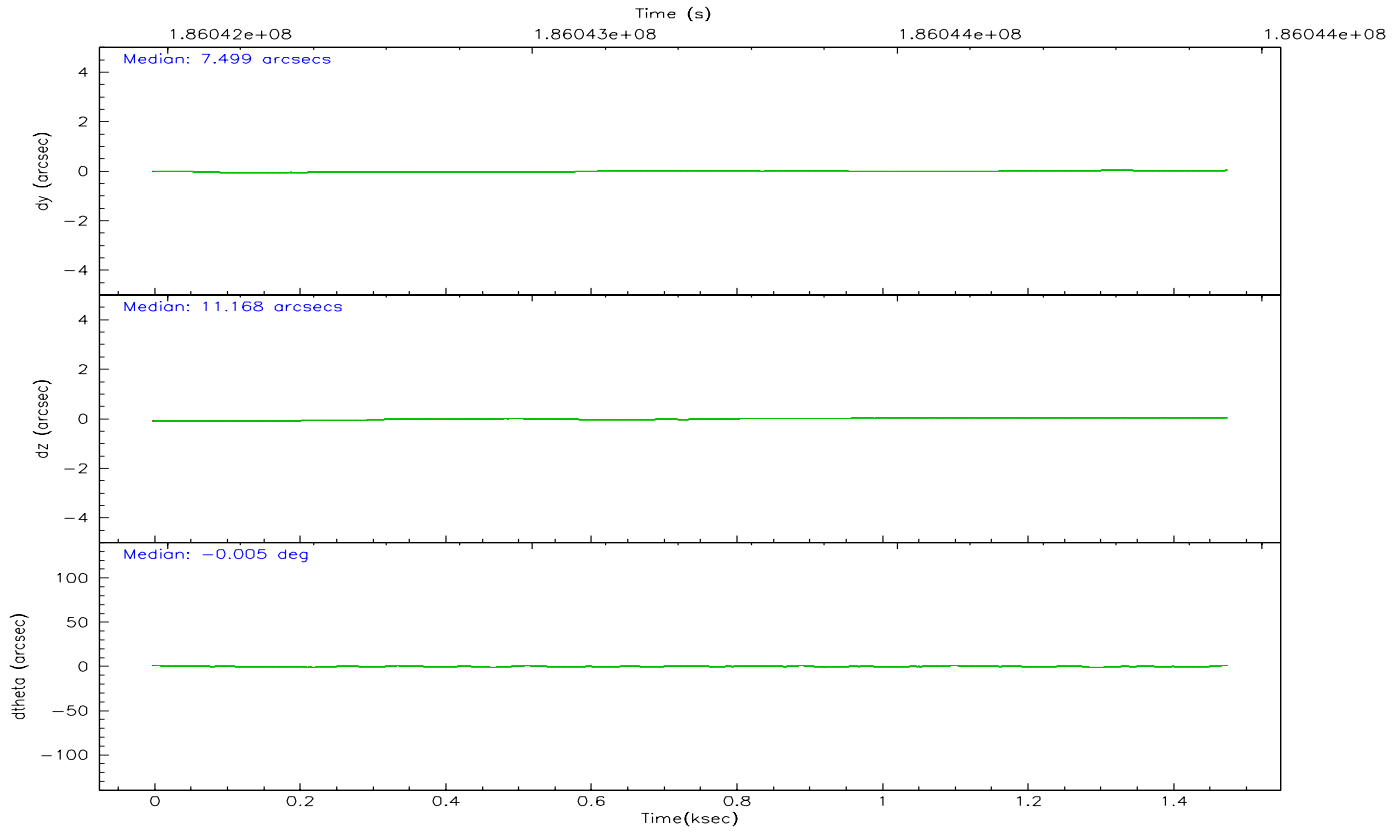
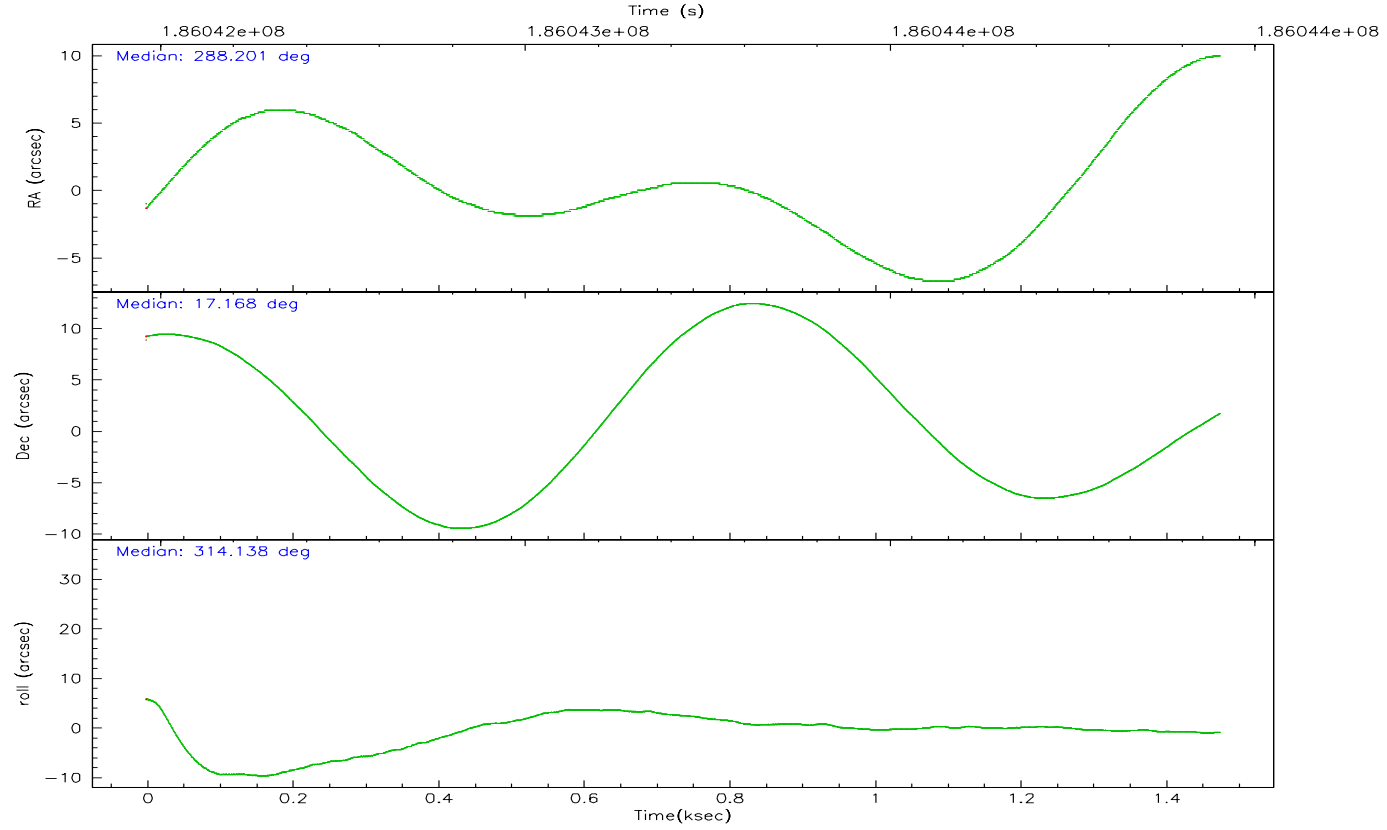
| | ccd 0 | ccd 2 | ccd 3 | ccd 6 | ccd 7 | ccd 8 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 241 | 332 | 209 | 307 | 404 | 2026 |
| | 4% | 4% | 3% | 4% | 16% | 16% |
| grade 1 events | 4 | 2 | 2 | 1 | 2 | 12 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 176 | 201 | 76 | 145 | 537 | 943 |
| | 3% | 2% | 1% | 2% | 22% | 7% |
| grade 3 events | 60 | 42 | 43 | 65 | 150 | 1144 |
| | 1% | 0% | 0% | 0% | 6% | 9% |
| grade 4 events | 50 | 62 | 42 | 53 | 151 | 1008 |
| | 0% | 0% | 0% | 0% | 6% | 8% |
| grade 5 events | 53 | 49 | 55 | 54 | 131 | 169 |
| | 0% | 0% | 0% | 0% | 5% | 1% |
| grade 6 events | 70 | 69 | 53 | 47 | 439 | 1449 |
| | 1% | 0% | 0% | 0% | 18% | 11% |
| grade 7 events | 4991 | 6490 | 5827 | 6265 | 578 | 5610 |
| | 88% | 89% | 92% | 90% | 24% | 45% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-023678 | ACIS-023678 | 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 | 288.173532 | 288.201306512288 | Alternating exposures requested | N | N |
| Pointing Dec | 17.175262 | 17.16804965727707 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 313.999292 | 314.1477797065102 | | | |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | | | |
| SIM defocus (mm) | 0 | 0.001444936568705701 | | | |
| SIM translation stage pos (mm) | -190.132523 | -190.1400660498719 | | | |
| SIM translation stage offset (mm) | 0 | 0.00754346686406393 | | | |
| Observation start time | 186042664.184000 | 186042288.63142 | | | |
| Observation start date | 2003-11-24T06:30:00 | 2003-11-24T06:24:48 | | | |
| Observation end time | 186043954.184000 | 186044088.5315 | | | |
| Observation end date | 2003-11-24T06:51:30 | 2003-11-24T06:54:48 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



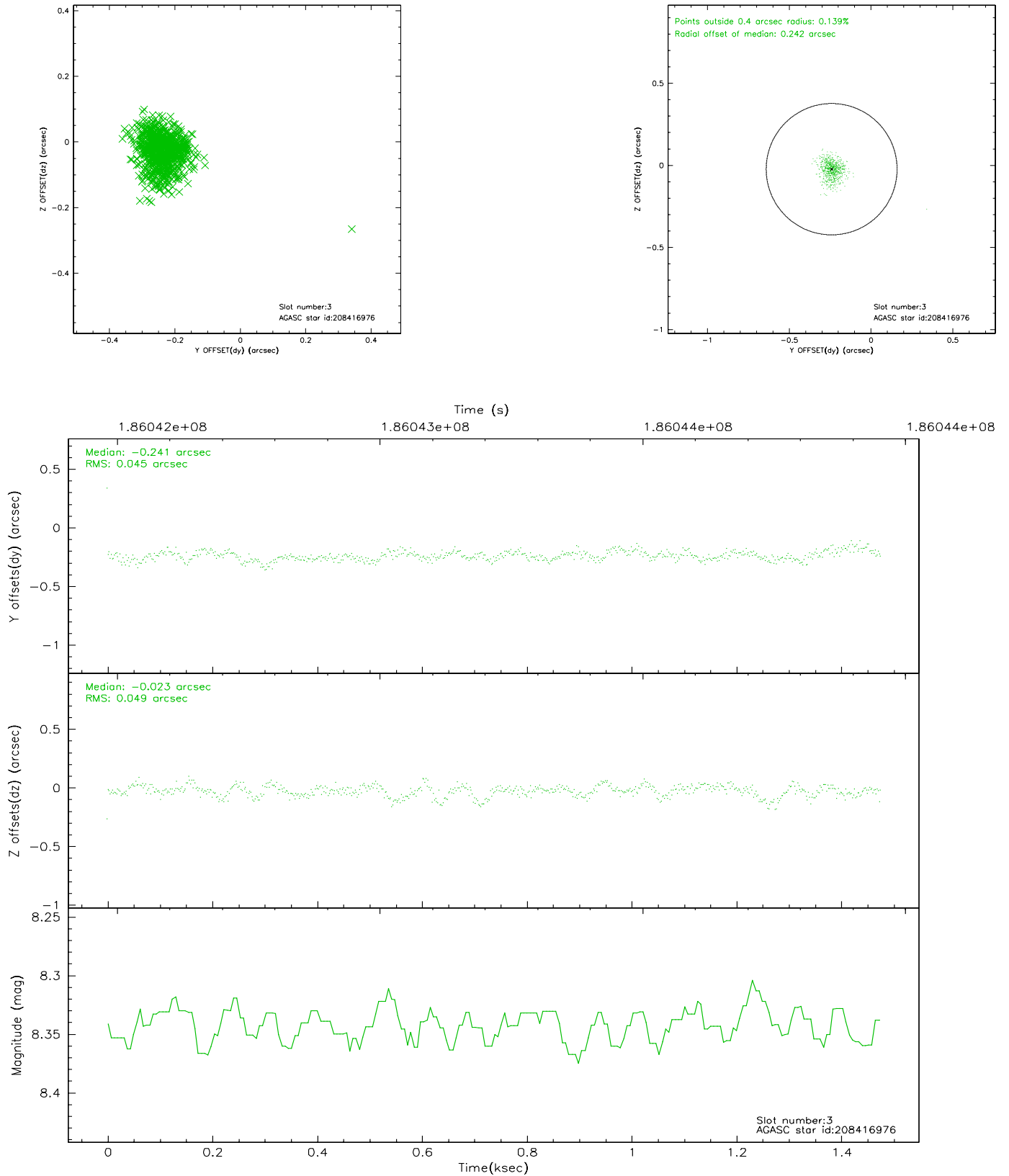


Slot Statistics

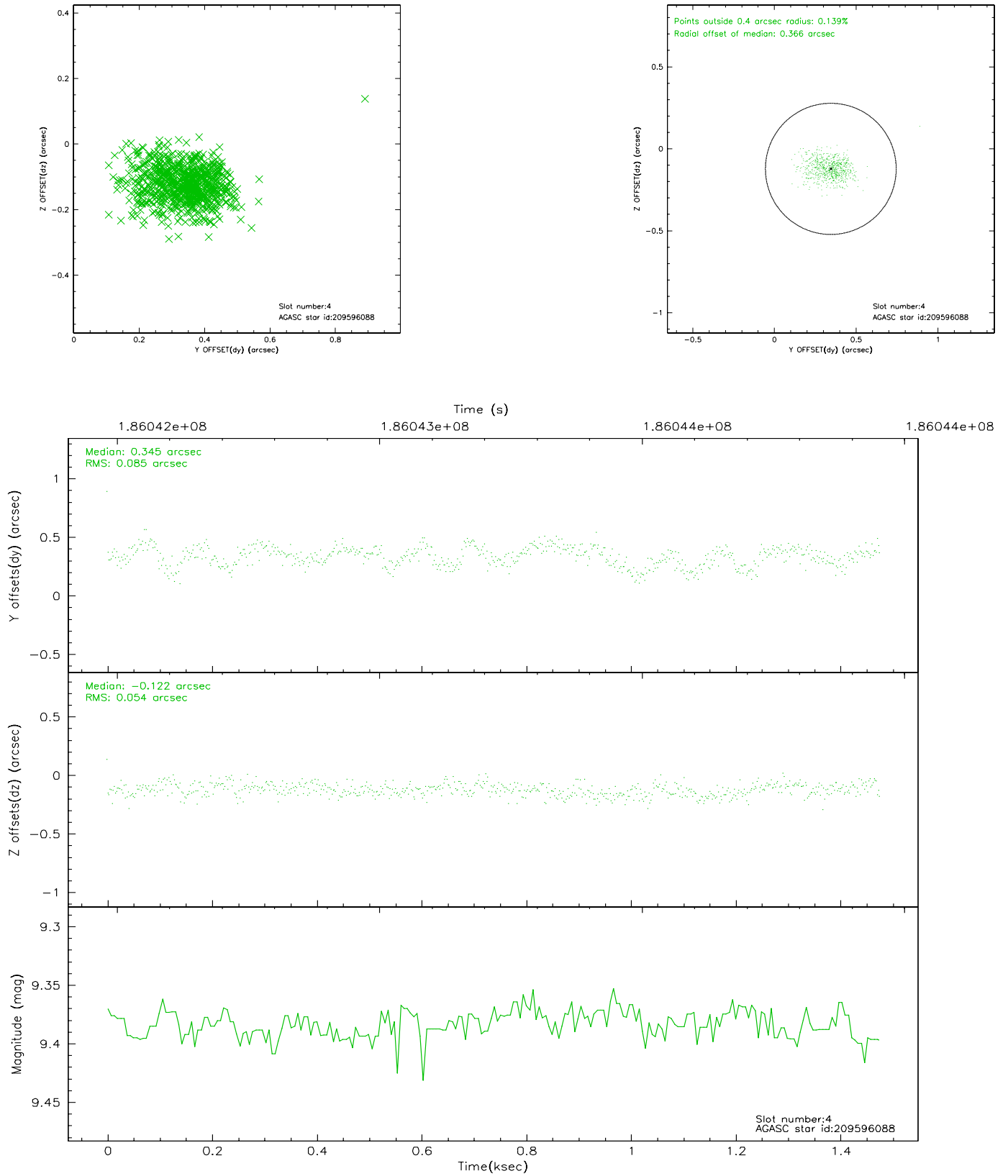
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.10 | 360 | -0.009 | 0.004 | 0.005 | 0.008 | 0.000000 | 0.000000 | -760.24 | -1732.44 |
| 1 | FID | ACIS-S-4 | 7.20 | 361 | 0.022 | -0.003 | 0.006 | 0.010 | 0.000000 | 0.000000 | 2151.01 | 171.43 |
| 2 | FID | ACIS-S-6 | 7.34 | 361 | -0.040 | 0.007 | 0.006 | 0.011 | 0.000000 | 0.000000 | 407.44 | 813.91 |
| 3 | GUIDE | 208416976 | 8.34 | 721 | -0.241 | -0.023 | 0.068 | 0.108 | 287.326965 | 17.073967 | -1766.57 | -2345.19 |
| 4 | GUIDE | 209596088 | 9.38 | 721 | 0.345 | -0.122 | 0.103 | 0.176 | 288.150718 | 16.305149 | 2196.12 | -2235.66 |
| 5 | GUIDE | 210119616 | 7.68 | 717 | -0.158 | 0.101 | 0.068 | 0.117 | 288.118619 | 18.001946 | -2269.74 | 1928.88 |
| 6 | GUIDE | 210120944 | 8.41 | 721 | -0.007 | 0.101 | 0.068 | 0.118 | 288.245736 | 17.506735 | -690.29 | 1010.00 |
| 7 | GUIDE | 209585448 | 7.95 | 720 | 0.062 | -0.047 | 0.061 | 0.095 | 288.114724 | 16.850123 | 700.67 | -957.46 |

2.4 Star Slots

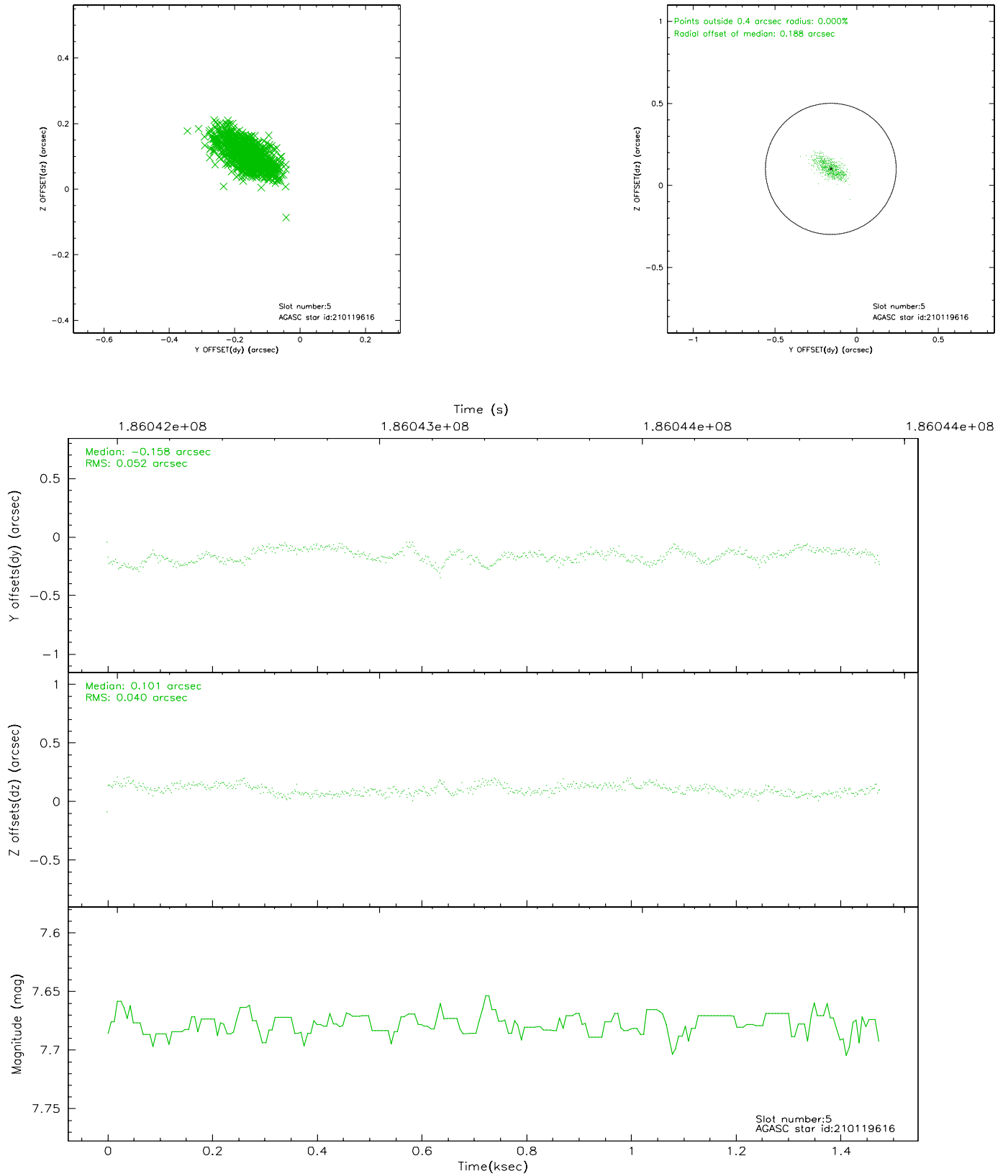
2.4.1 Slot 3



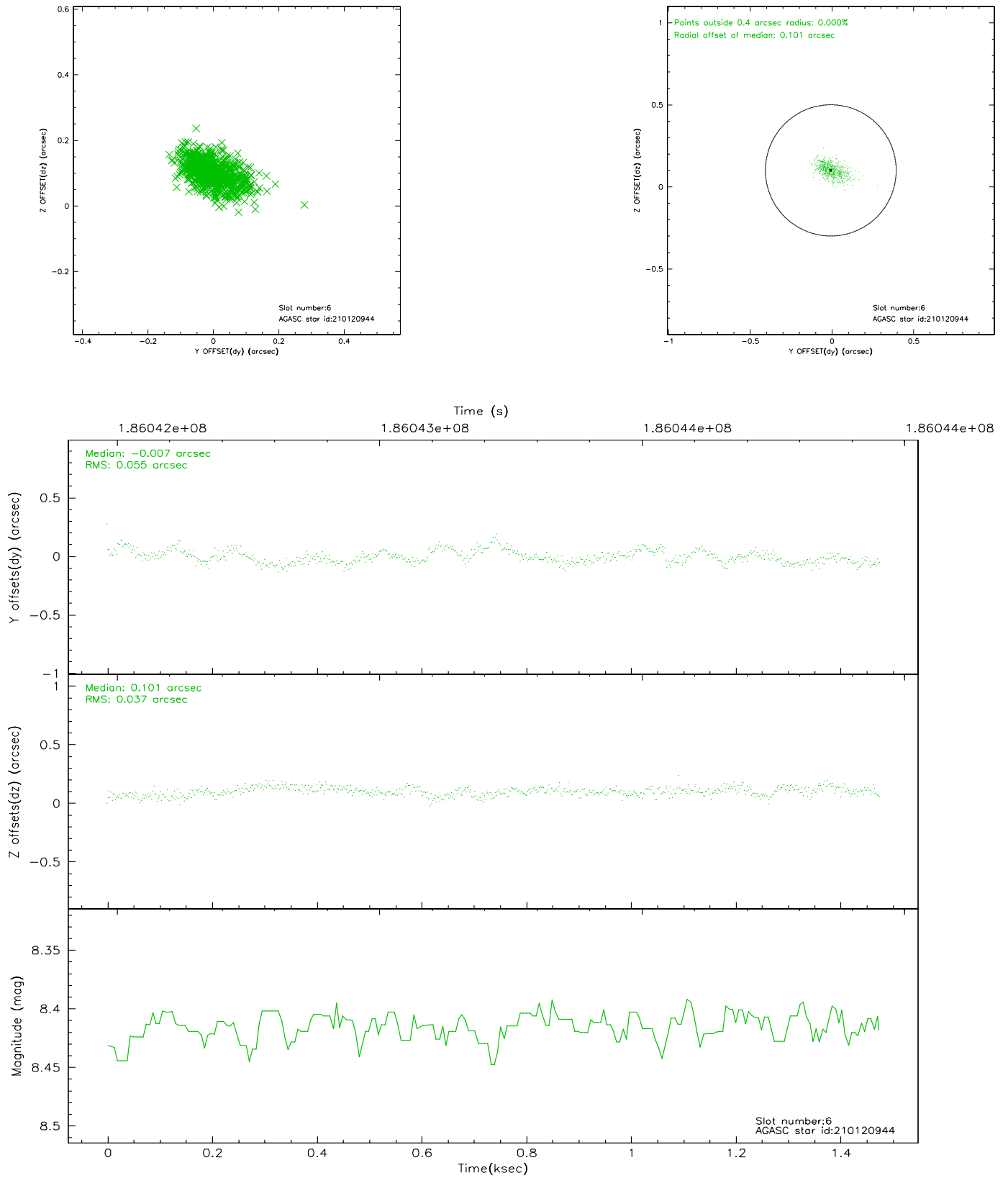
2.4.2 Slot 4



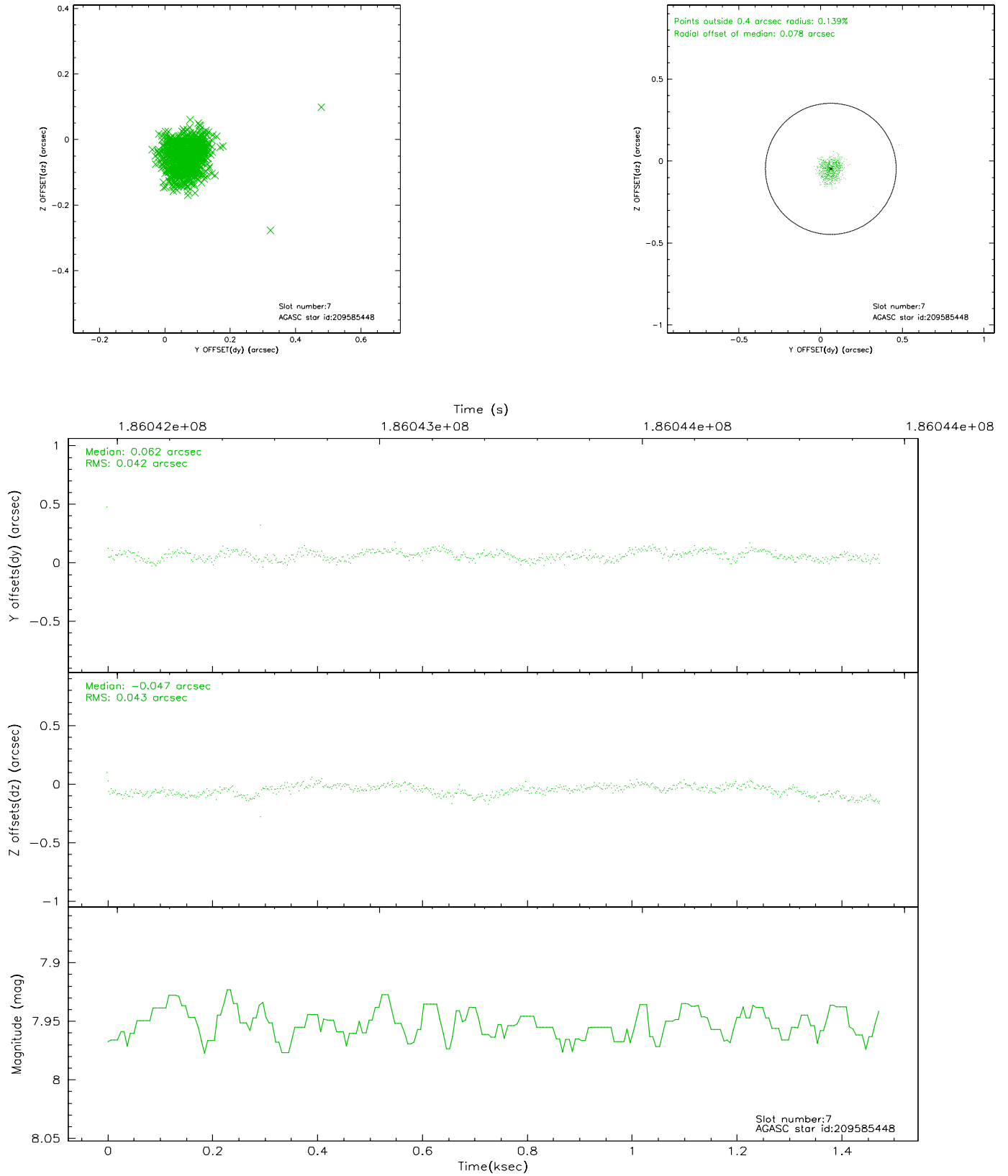
2.4.3 Slot 5



2.4.4 Slot 6

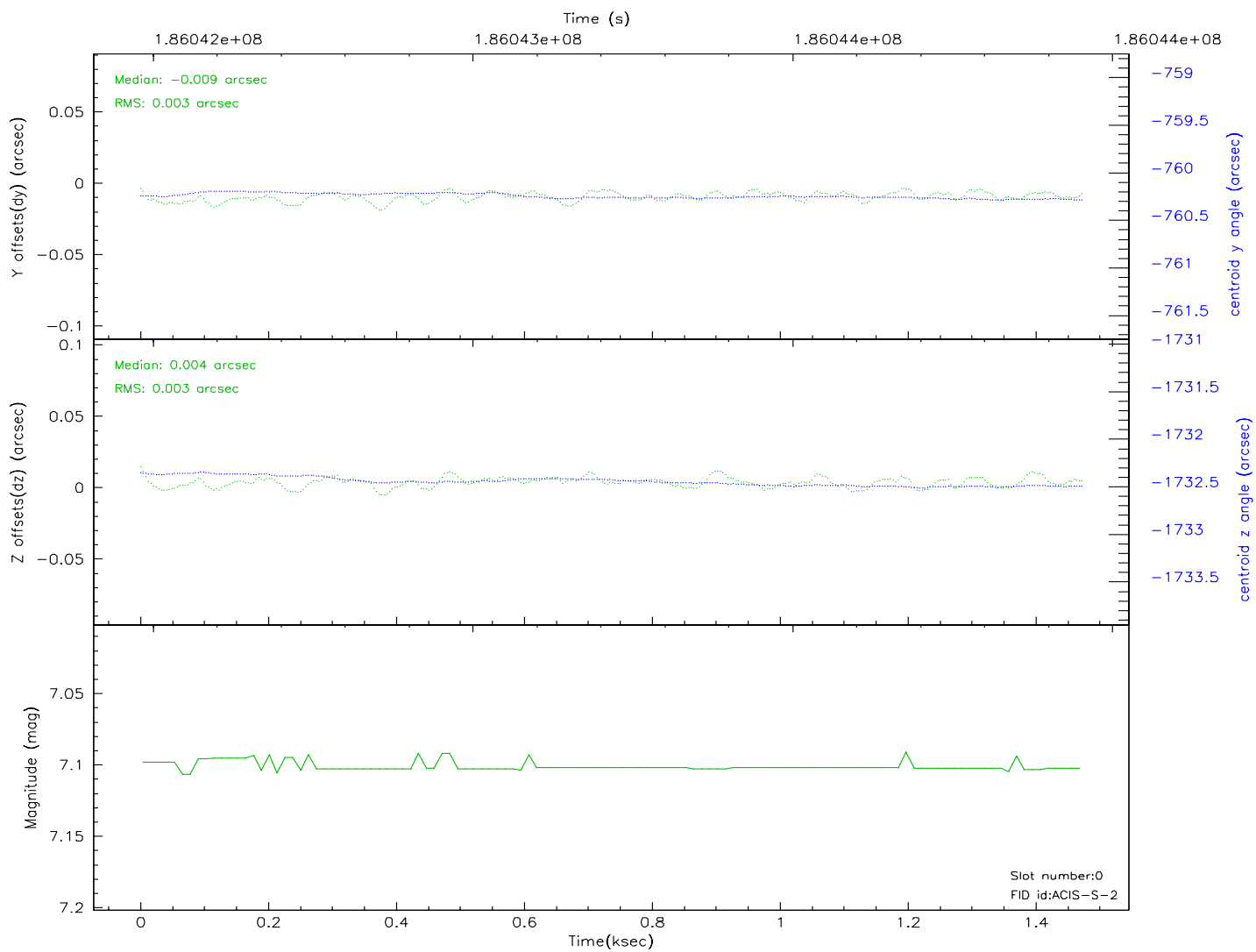
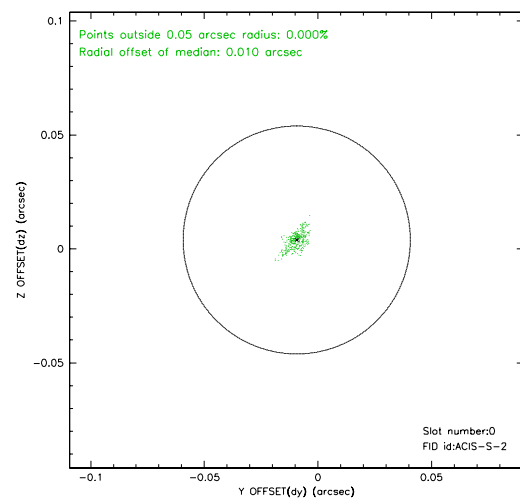
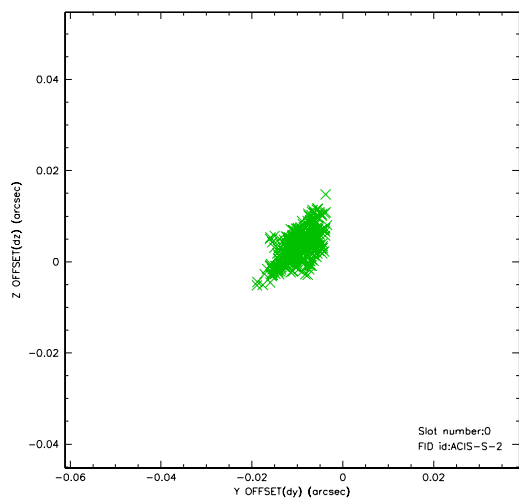


2.4.5 Slot 7

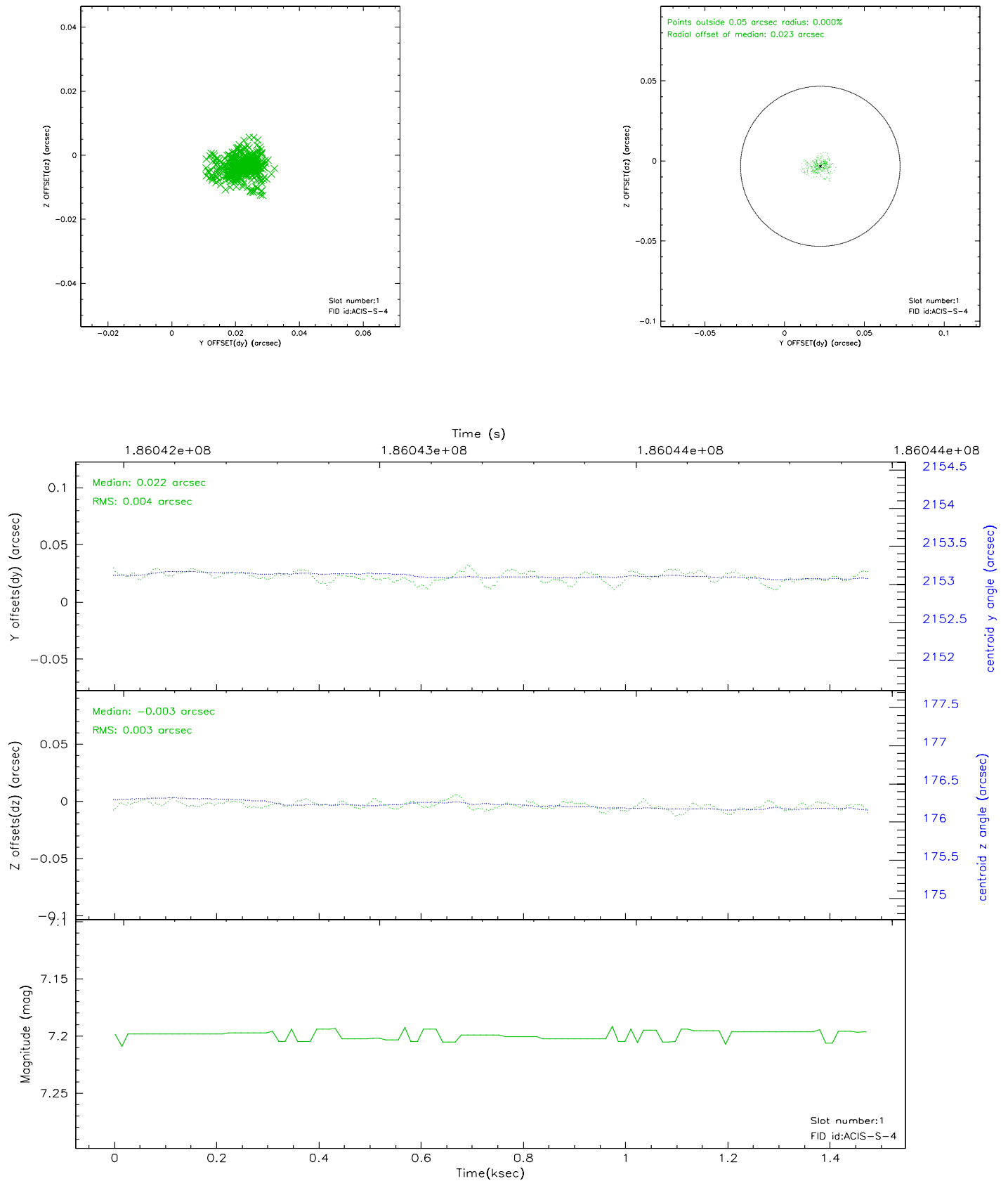


2.5 FID Slots

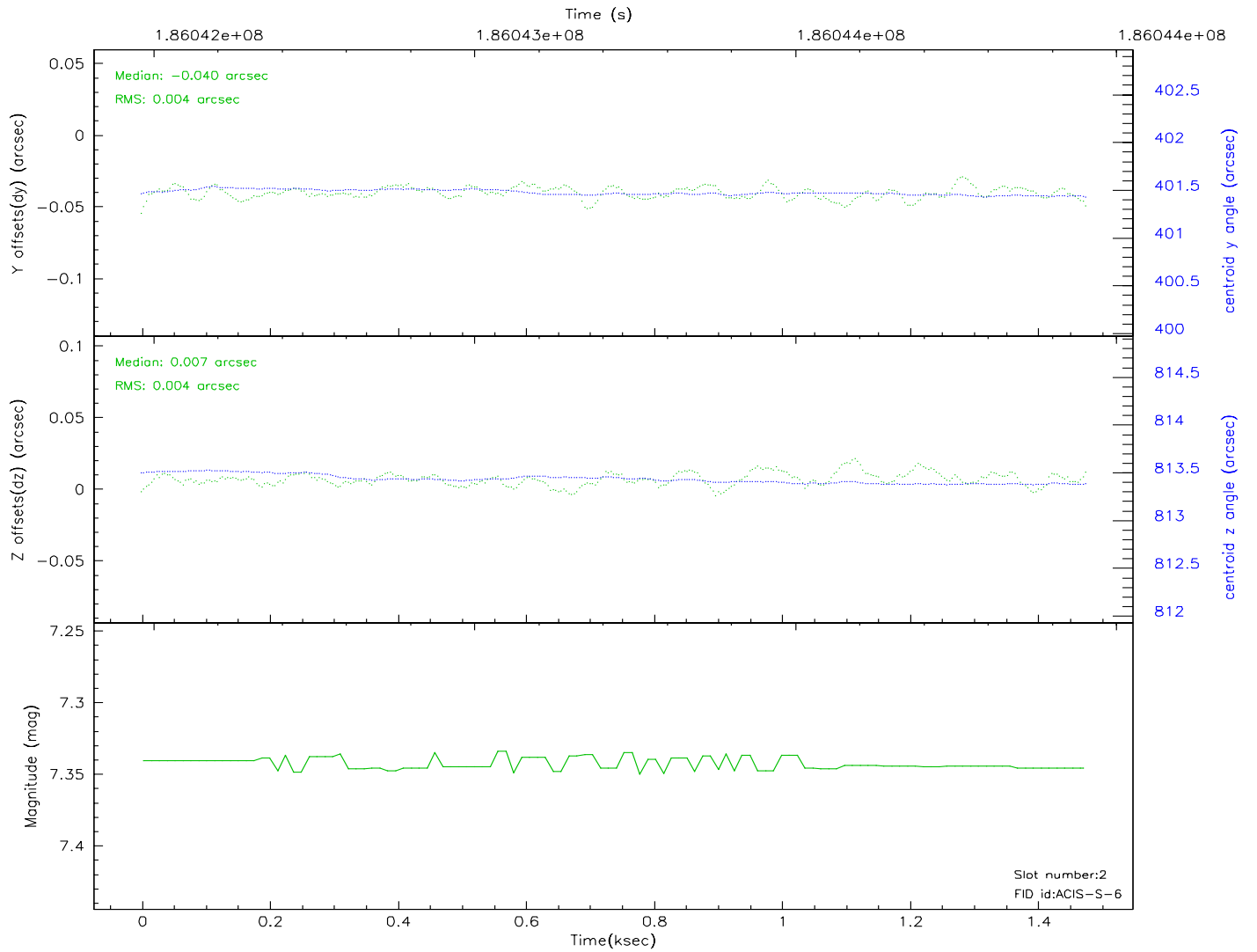
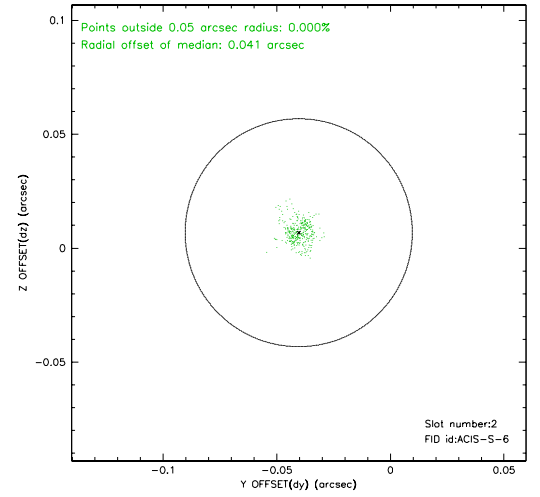
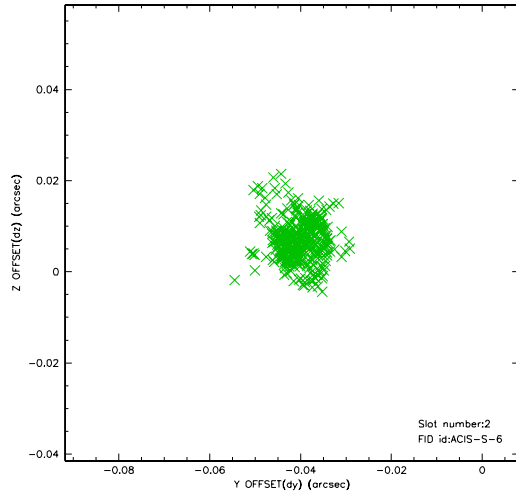
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.06.26 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 1.475 |

A.2 Comments