

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 932 - L2 Version 001
Chandra X-Ray Center

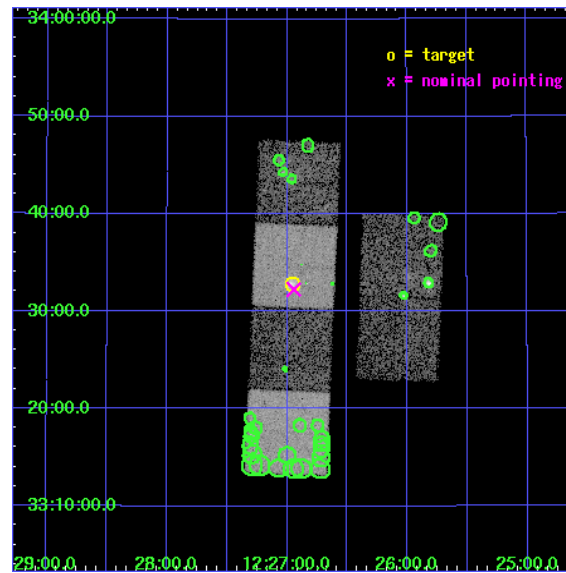
L2 Processing Date : Jun 1 2007

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1 Front

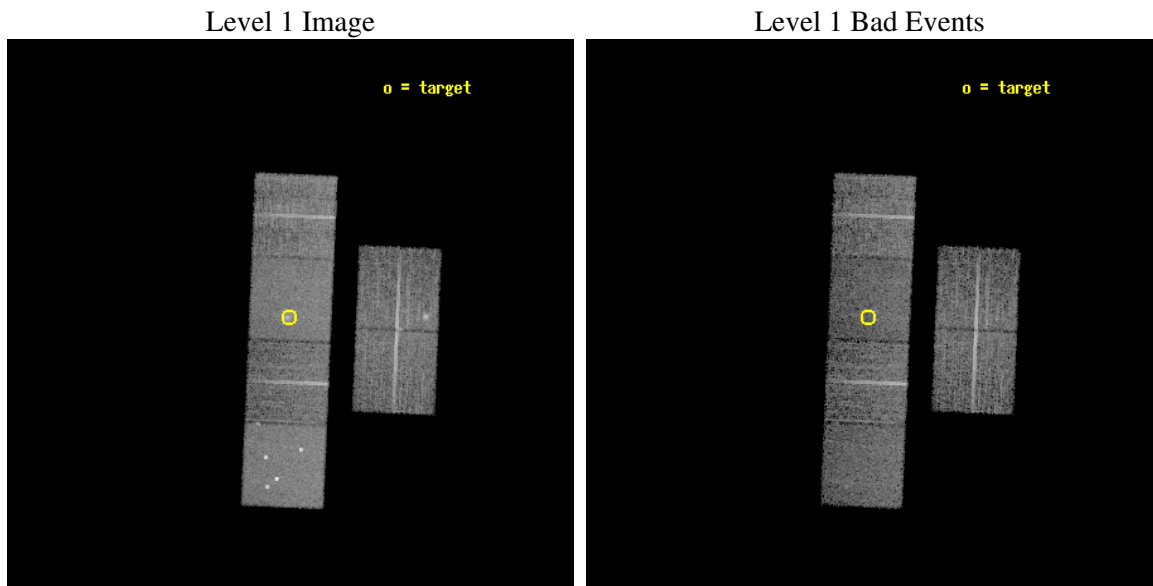
| | |
|----------|------------------------------------|
| seq_num | 900004 |
| obs_id | 932 |
| title | BRIGHT `BLANK FIELD 'X-RAY SOURCES |
| observer | Dr. Martin Elvis |
| object | 1WGA1226.9+3332 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 186.7375 |
| dec_targ | 33.547528 |
| ra_nom | 186.73587676791 |
| dec_nom | 33.537704620209 |
| roll_nom | 272.44966869861 |
| revision | 3 |
| ontime | 9955.2000092715 |
| livetime | 9829.1412724523 |
| ontime2 | 9951.9590490311 |
| ontime3 | 9951.9590590447 |
| ontime5 | 9955.2000092715 |
| ontime6 | 9955.2000092715 |
| ontime7 | 9955.2000092715 |
| ontime8 | 9955.2000092715 |
| l2events | 88255 |



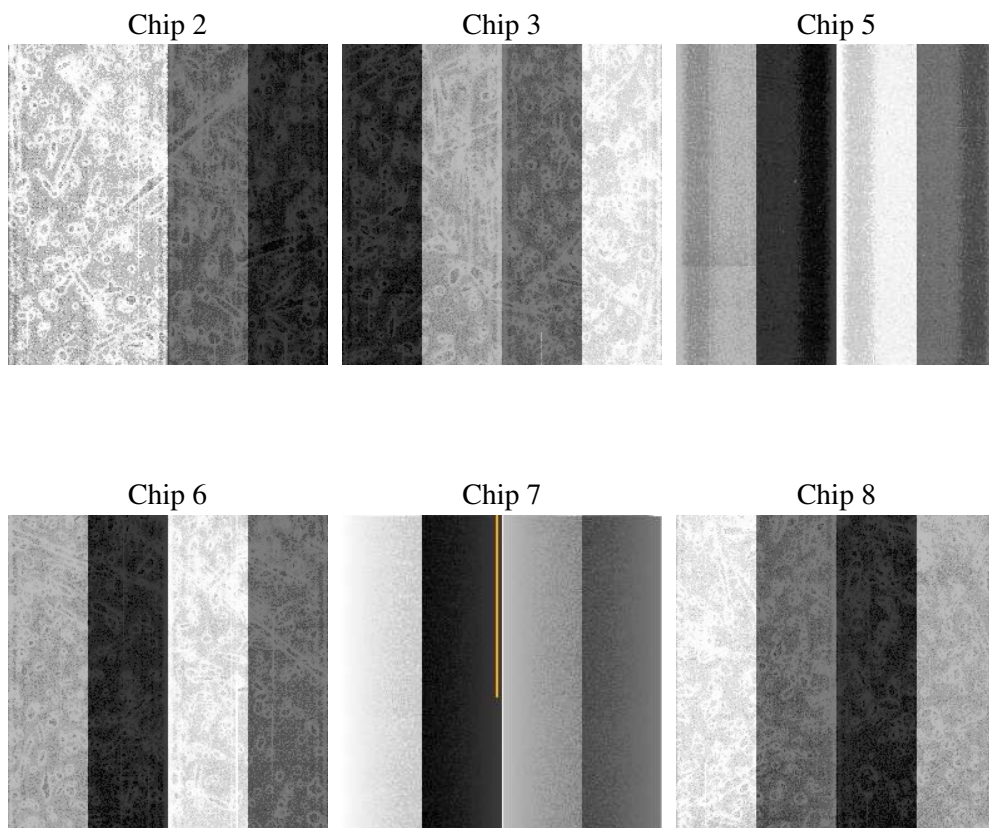
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.10 |
| caldbver | 3.4.0 |
| date | 2007-06-01T02:58:24 |
| revision | 3 |

| | |
|----------------|-----------------|
| sched_exp_time | 10000.000000 |
| ontime | 9955.2000092715 |
| ontime2 | 9951.9590490311 |
| ontime3 | 9951.9590590447 |
| ontime5 | 9955.2000092715 |
| ontime6 | 9955.2000092715 |
| ontime7 | 9955.2000092715 |
| ontime8 | 9955.2000092715 |
| l1events | 395142 |

2.1.4 Events

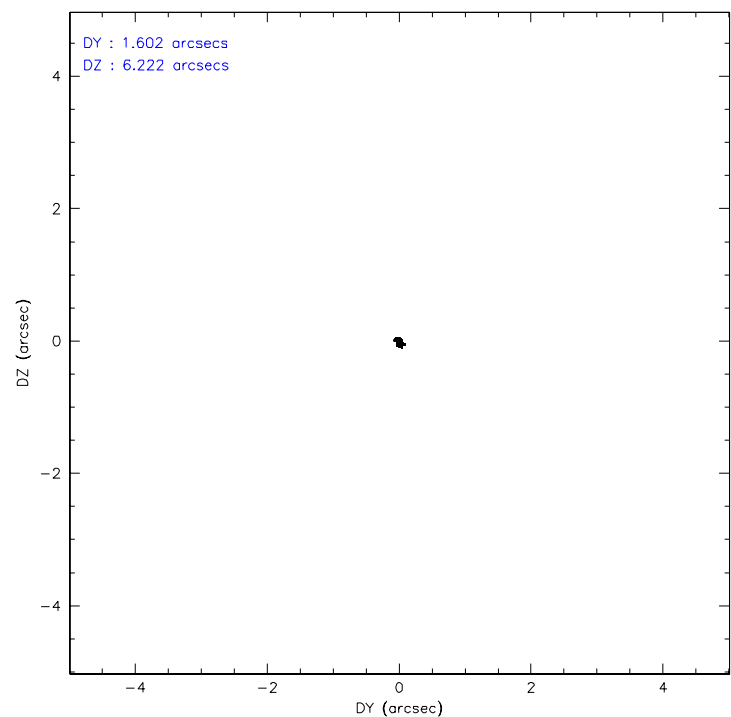
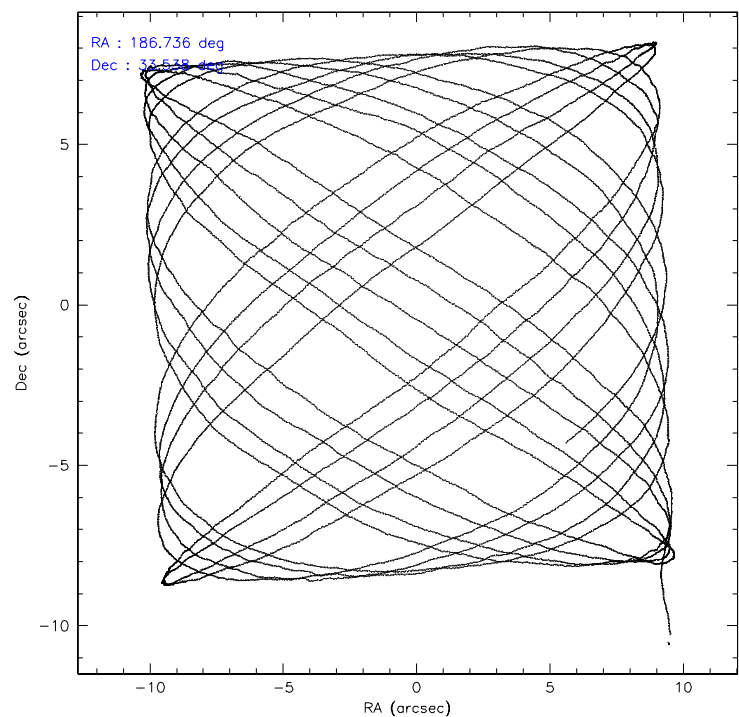
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|-----------------|-------|-------|-------|-------|-------|-------|
| level 1 events | 58659 | 56706 | 81191 | 56148 | 71011 | 71427 |
| rejected events | 52394 | 48876 | 41254 | 49555 | 40028 | 56131 |
| rejected % | 89% | 86% | 50% | 88% | 56% | 78% |

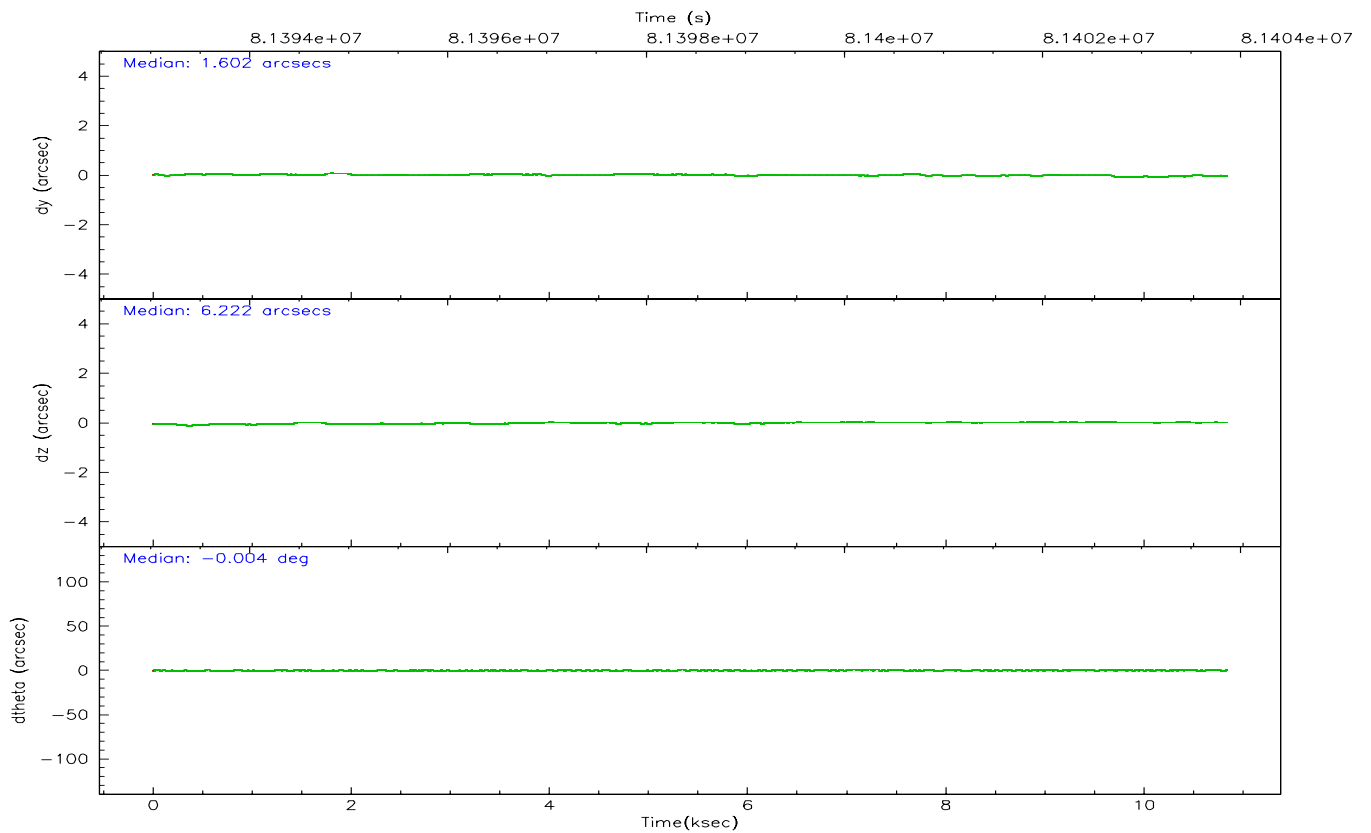
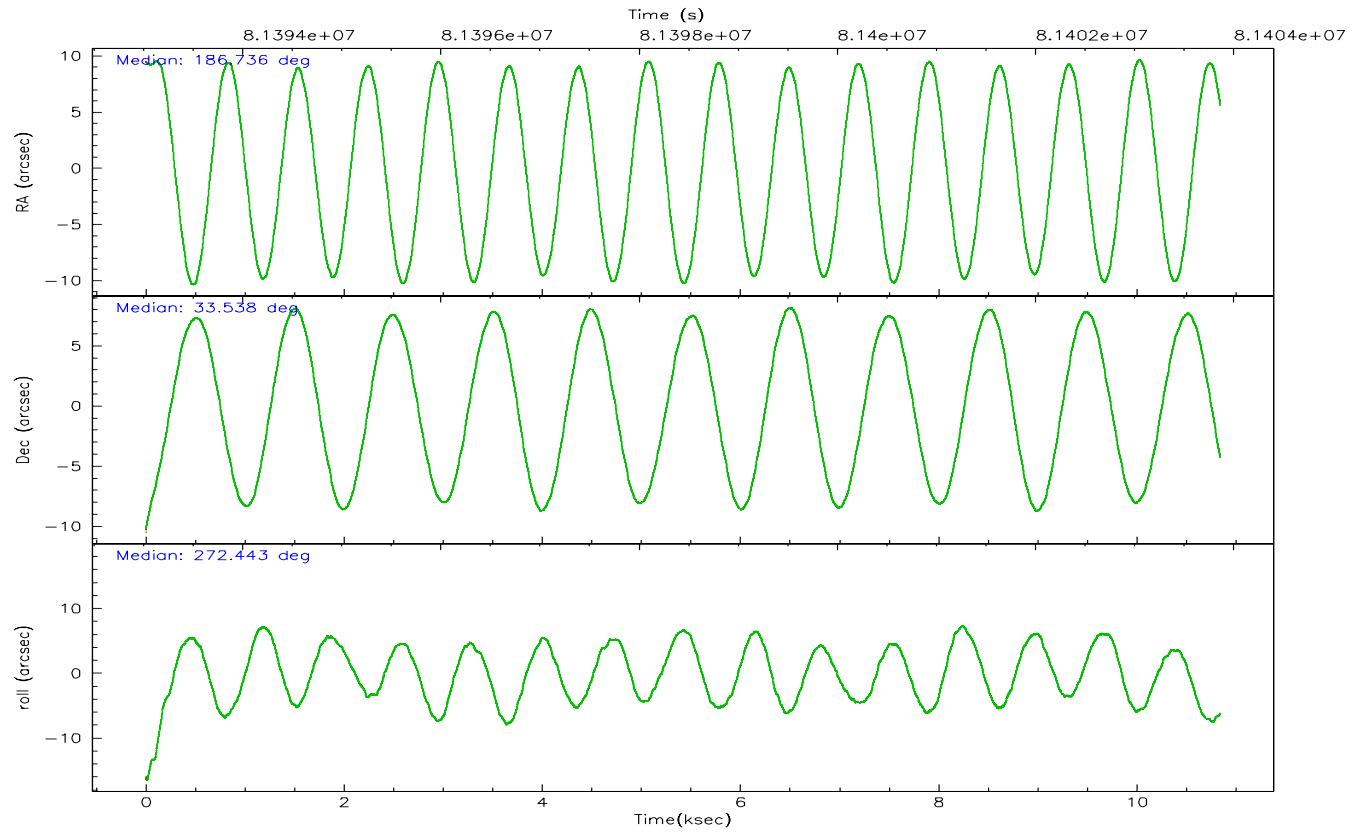
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 2630 | 3970 | 8225 | 2786 | 3519 | 5155 |
| | 4% | 7% | 10% | 4% | 4% | 7% |
| grade 1 events | 26 | 30 | 139 | 26 | 58 | 41 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 1365 | 1399 | 10556 | 1340 | 6166 | 3111 |
| | 2% | 2% | 13% | 2% | 8% | 4% |
| grade 3 events | 605 | 658 | 1553 | 646 | 2923 | 1693 |
| | 1% | 1% | 1% | 1% | 4% | 2% |
| grade 4 events | 562 | 654 | 1468 | 595 | 2897 | 1557 |
| | 0% | 1% | 1% | 1% | 4% | 2% |
| grade 5 events | 1914 | 2021 | 5732 | 2301 | 6674 | 2842 |
| | 3% | 3% | 7% | 4% | 9% | 3% |
| grade 6 events | 1110 | 1156 | 18167 | 1229 | 15494 | 3802 |
| | 1% | 2% | 22% | 2% | 21% | 5% |
| grade 7 events | 50447 | 46818 | 35351 | 47225 | 33280 | 53226 |
| | 86% | 82% | 43% | 84% | 46% | 74% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-235678 | ACIS-235678 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | VFAINT | VFAINT | Number of optional ACIS chips dropped | 0 | 0 |
| Observation mode | POINTING | POINTING | On-chip summing requested | N | N |
| Pointing RA | 186.718052 | 186.735876767911 | Subarray requested | NONE | NONE |
| Pointing Dec | 33.560719 | 33.53770462020862 | Alternating exposures requested | N | N |
| Pointing Roll | 272.302891 | 272.4496686986068 | Primary exposure time | 0.000000 | 3.2 |
| 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 | 81393647.184000 | 81392470.92332999 | | | |
| Observation start date | 2000-07-31T01:19:43 | 2000-07-31T01:01:10 | | | |
| Observation end time | 81403647.184000 | 81404754.011287 | | | |
| Observation end date | 2000-07-31T04:06:23 | 2000-07-31T04:25:54 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



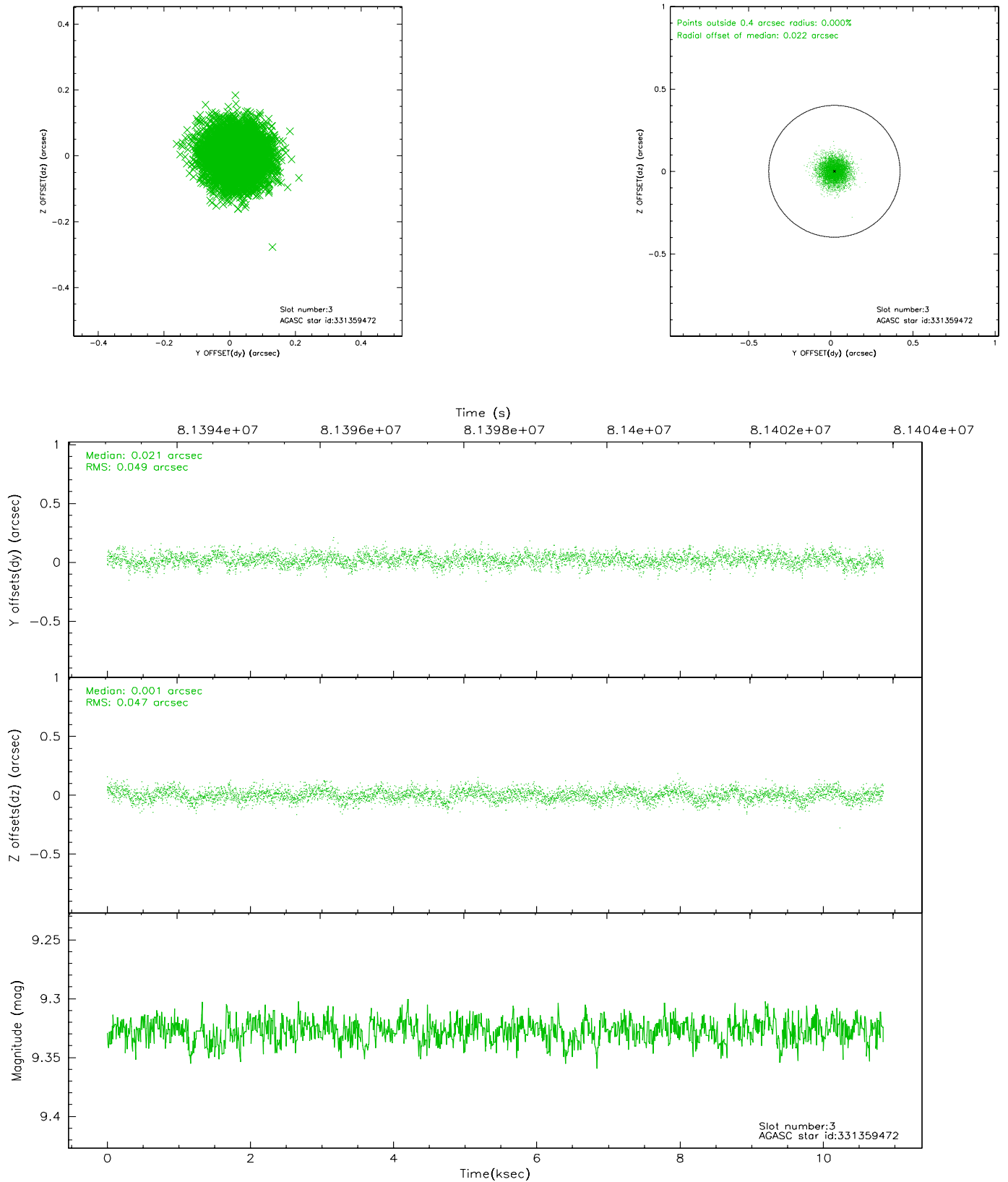


Slot Statistics

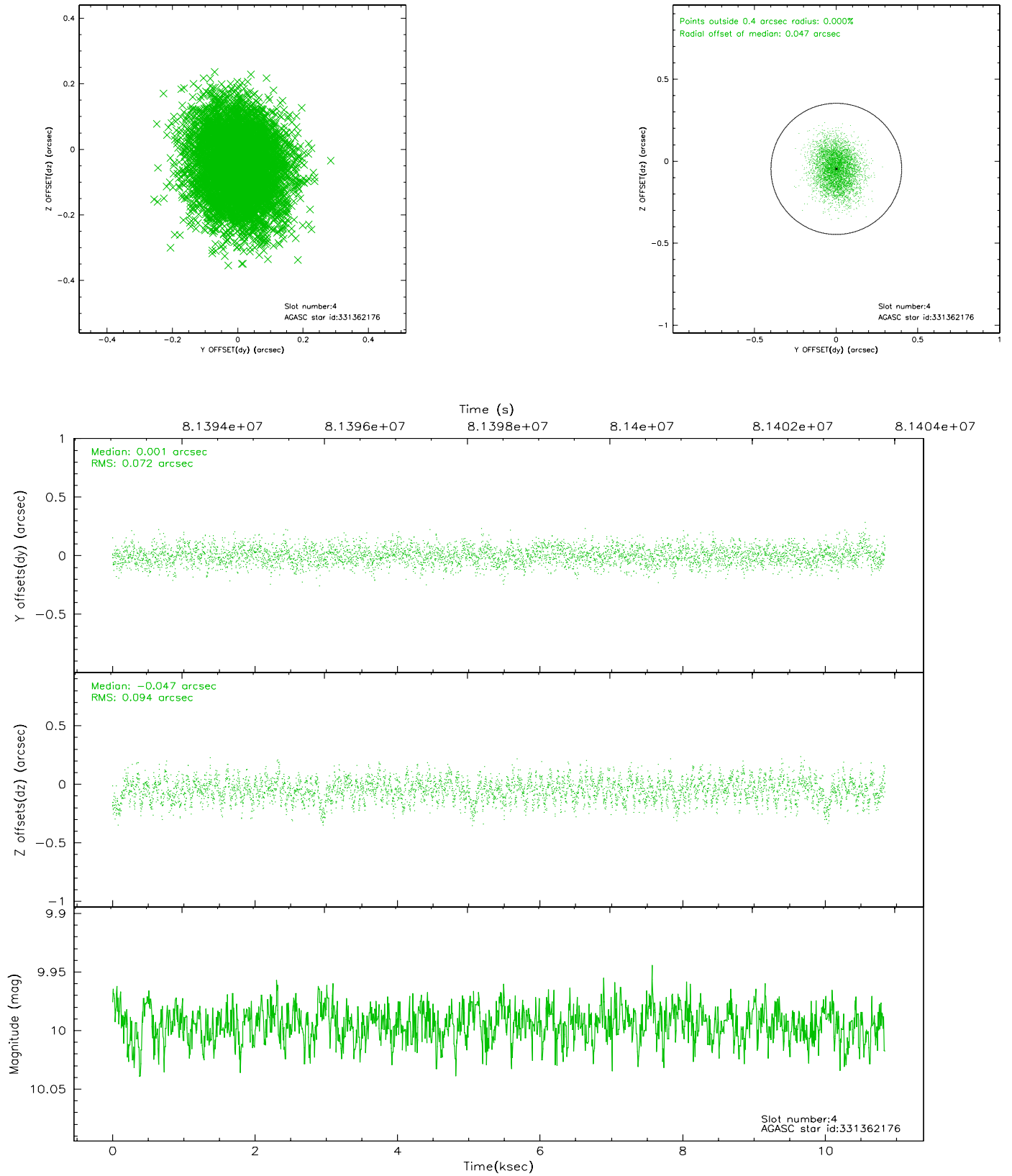
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|-------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.11 | 2645 | -0.020 | 0.034 | 0.006 | 0.011 | 0.000000 | 0.000000 | -754.22 | -1727.33 |
| 1 | FID | ACIS-S-4 | 7.21 | 2645 | -0.070 | 0.001 | 0.005 | 0.009 | 0.000000 | 0.000000 | 2158.78 | 180.64 |
| 2 | FID | ACIS-S-5 | 7.24 | 2643 | 0.060 | -0.026 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1806.38 | 174.82 |
| 3 | GUIDE | 331359472 | 9.33 | 5285 | 0.021 | 0.001 | 0.072 | 0.118 | 187.224794 | 33.172746 | 1452.96 | 1470.51 |
| 4 | GUIDE | 331362176 | 9.99 | 5283 | 0.001 | -0.047 | 0.127 | 0.204 | 186.540423 | 32.978429 | 2072.75 | -619.21 |
| 5 | GUIDE | 331359840 | 9.65 | 5282 | -0.056 | 0.028 | 0.096 | 0.156 | 187.405317 | 33.549371 | 116.81 | 2059.43 |
| 6 | GUIDE | 331358504 | 10.02 | 5281 | 0.088 | 0.028 | 0.118 | 0.190 | 187.176246 | 32.923361 | 2345.08 | 1292.72 |
| 7 | GUIDE | 331362384 | 8.81 | 5287 | -0.054 | -0.005 | 0.072 | 0.116 | 187.227369 | 32.923477 | 2350.46 | 1446.95 |

2.4 Star Slots

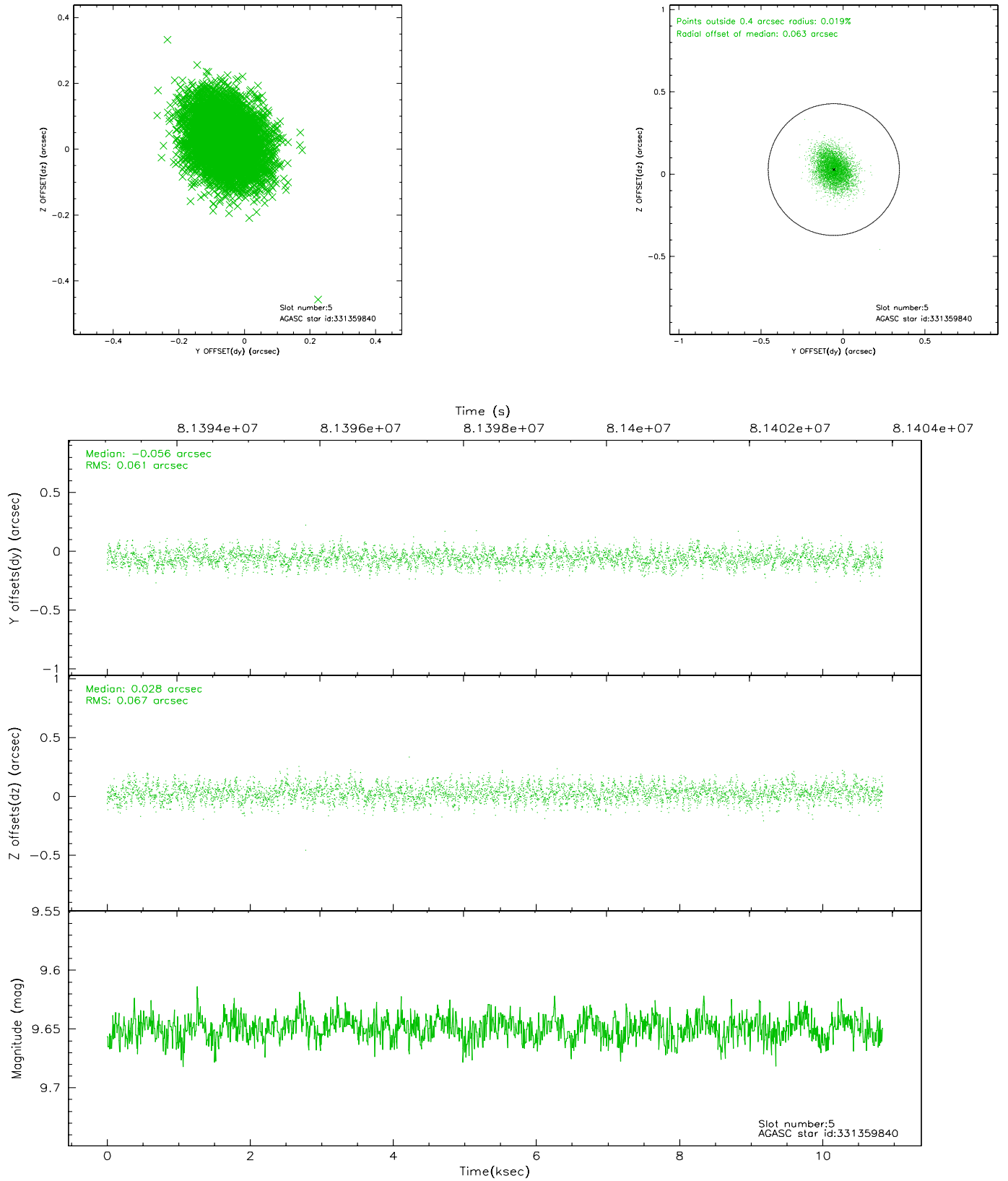
2.4.1 Slot 3



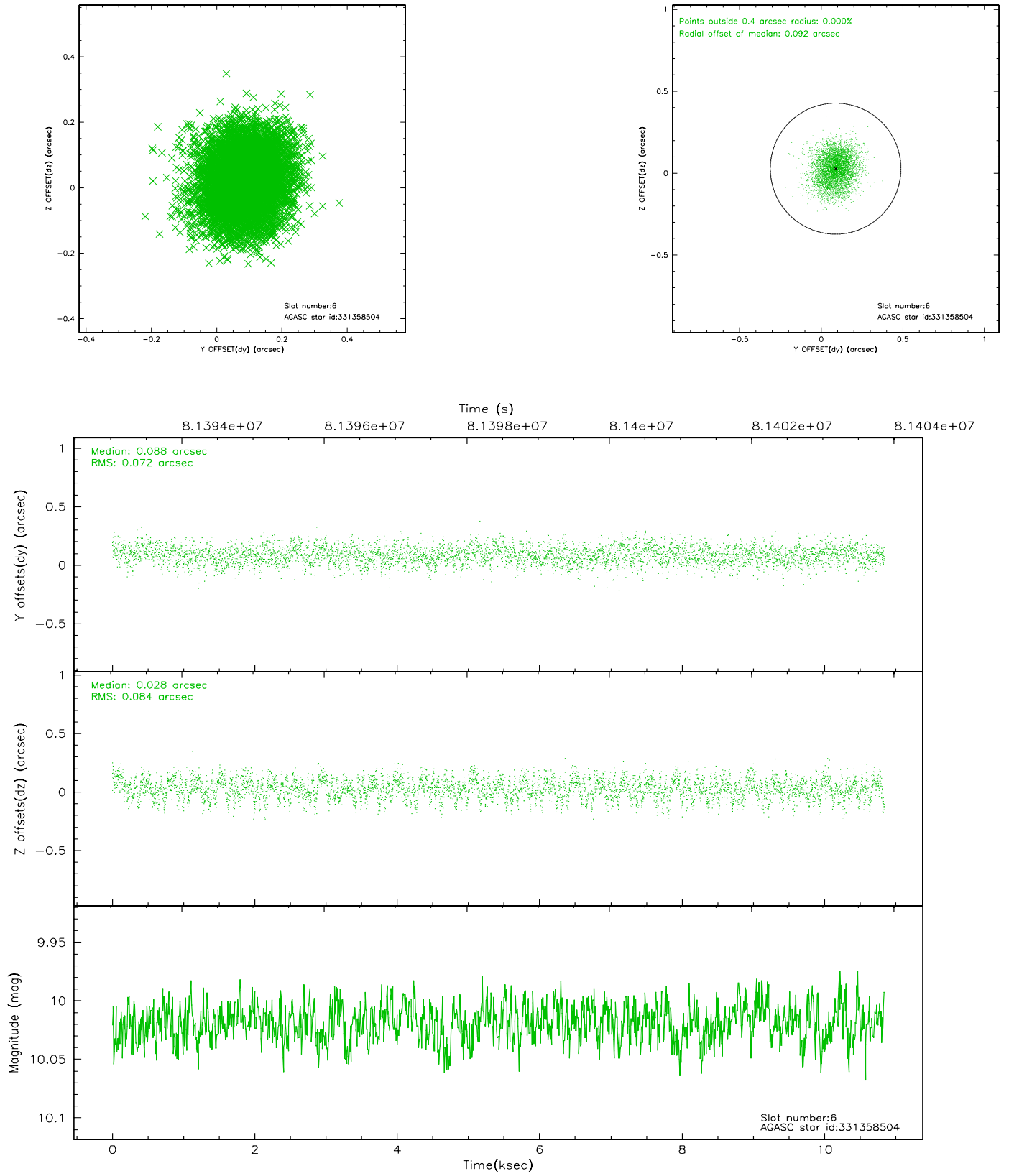
2.4.2 Slot 4



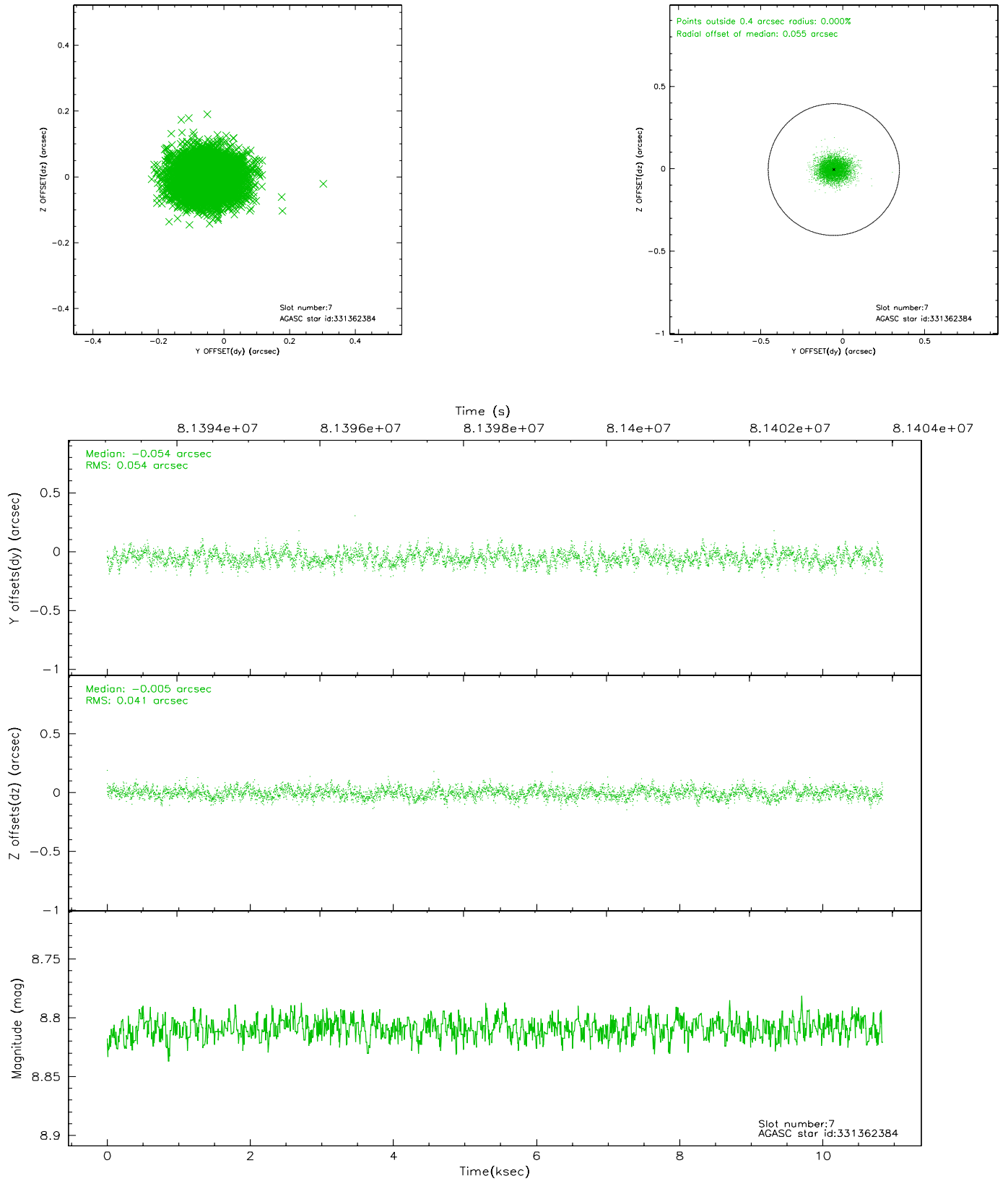
2.4.3 Slot 5



2.4.4 Slot 6

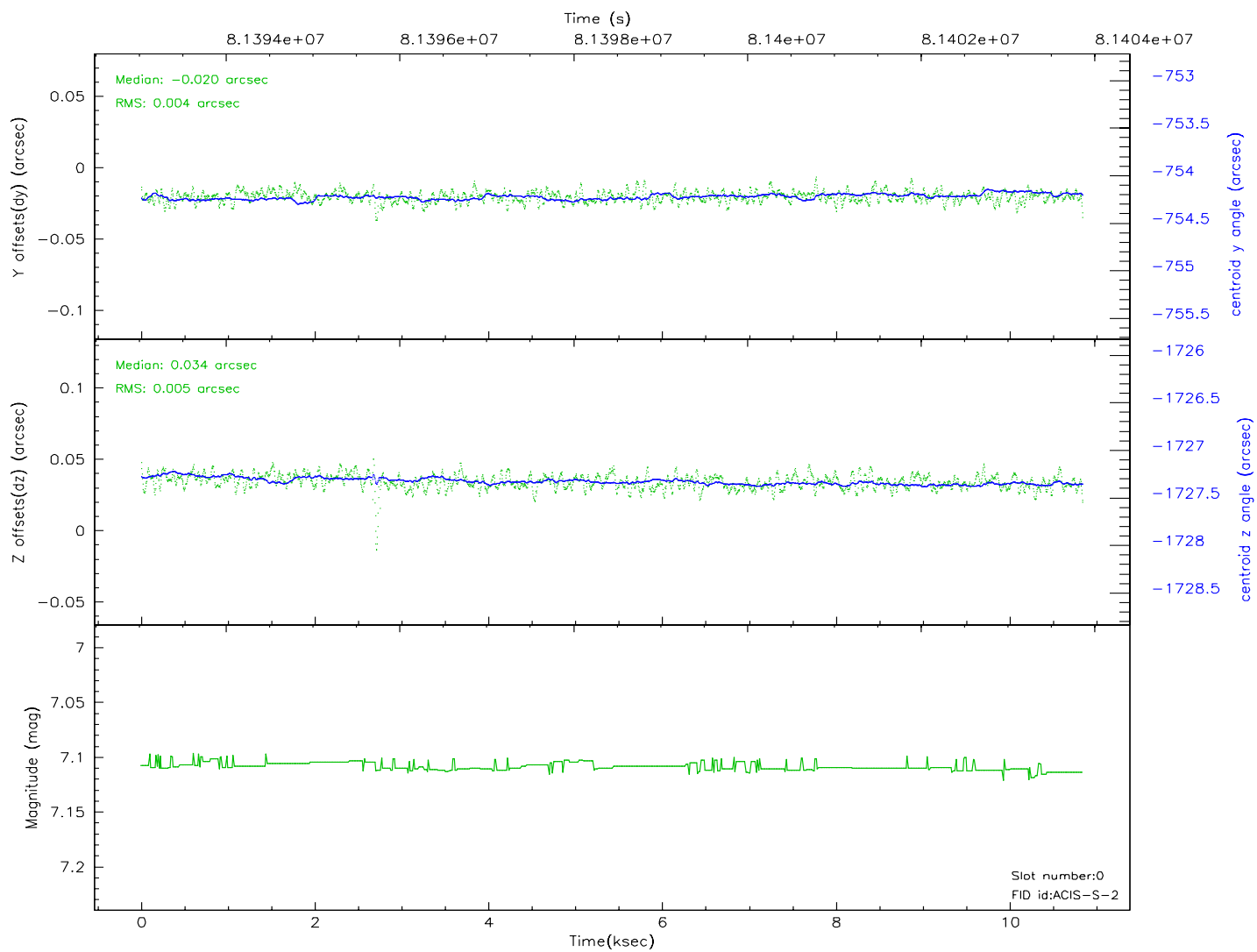
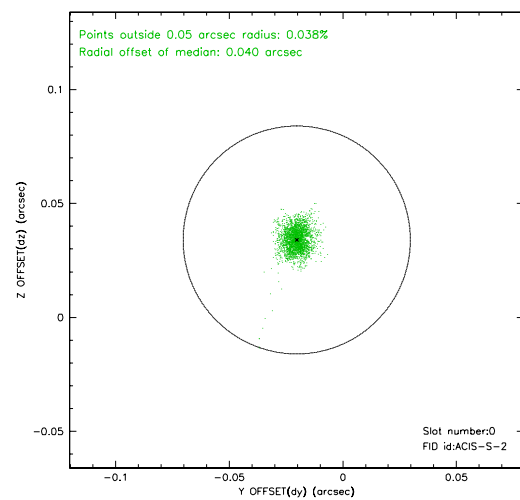
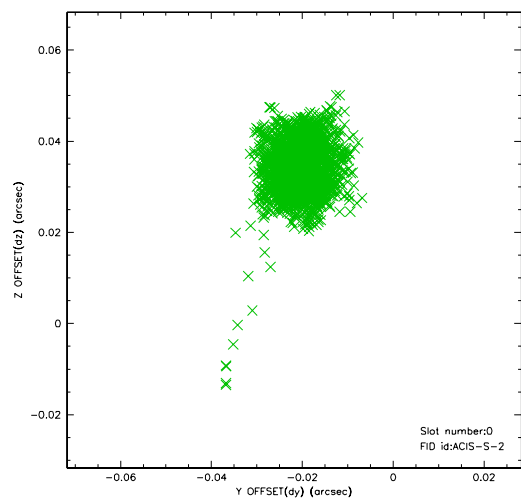


2.4.5 Slot 7

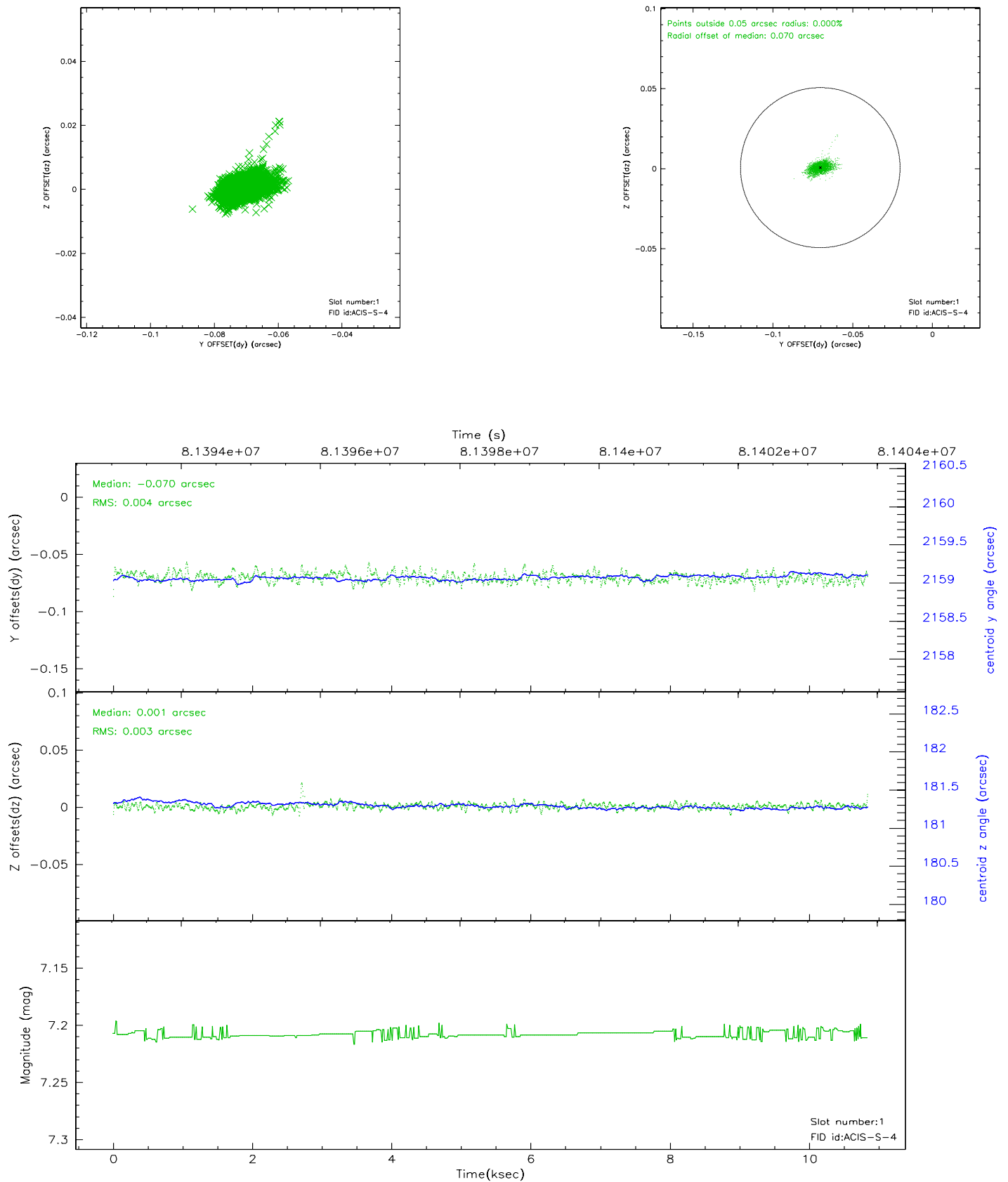


2.5 FID Slots

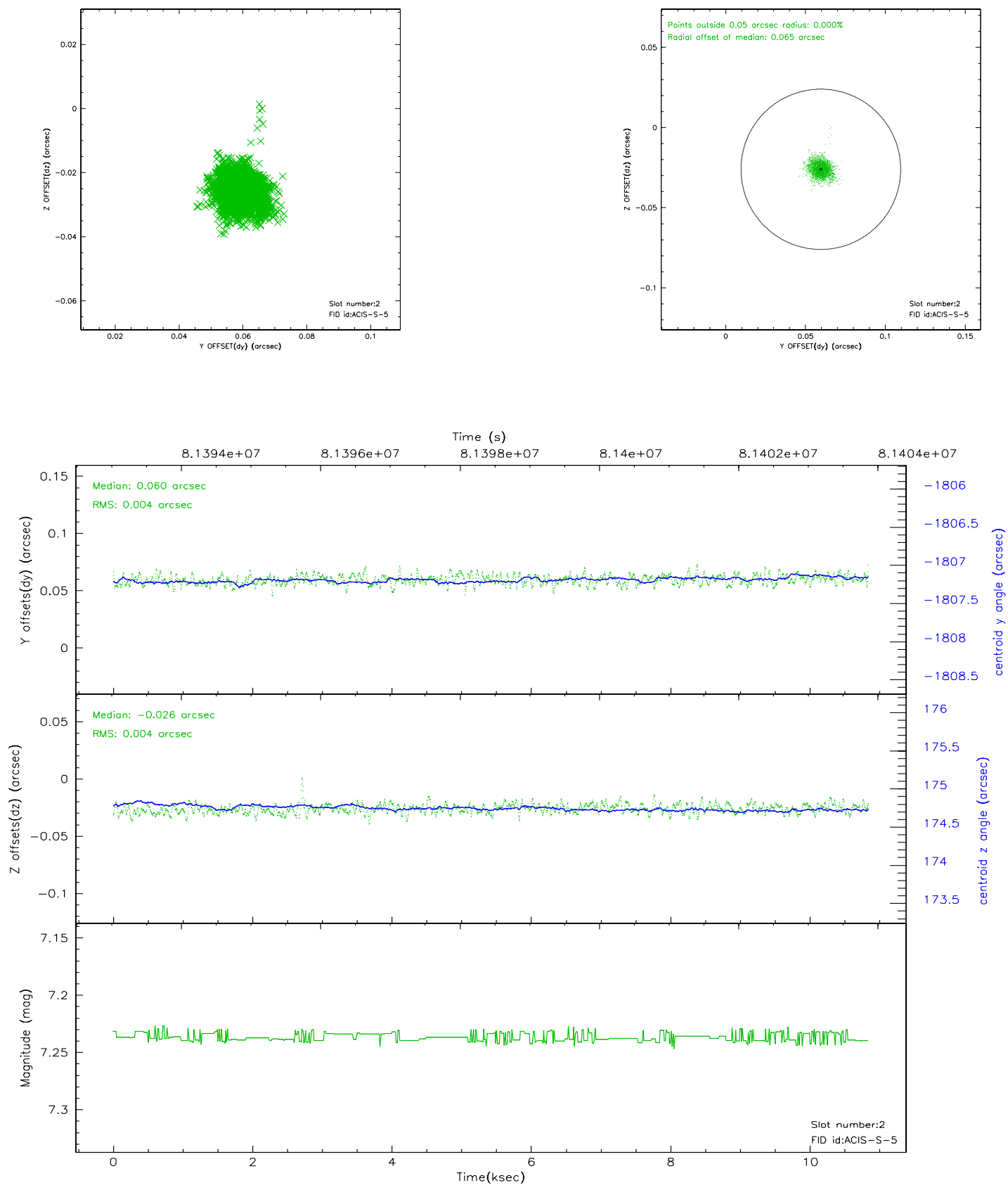
2.5.1 Slot 0



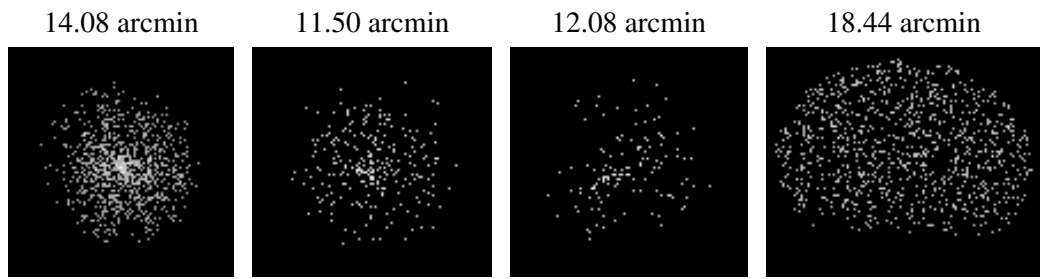
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2007.06.04 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 9.958 |

A.2 Comments