

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4015 - L2 Version 001
Chandra X-Ray Center

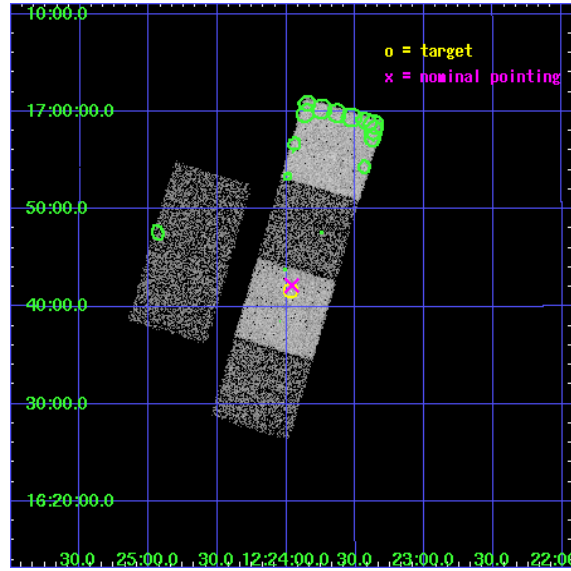
L2 Processing Date : May 31 2006

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1 Front

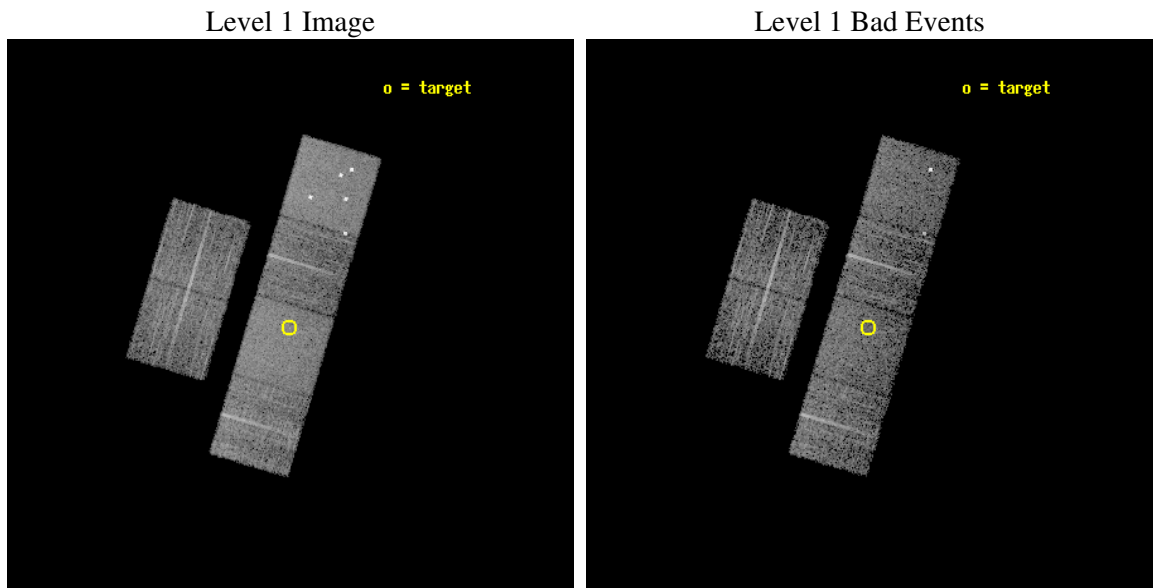
| | |
|----------|--|
| seq_num | 700694 |
| obs_id | 4015 |
| title | A CHANDRA SURVEY OF INFRARED-BRIGHT LINER GALAXIES |
| observer | Dr. Shobita Satyapal |
| object | NGC4350 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 185.99125 |
| dec_targ | 16.693611 |
| ra_nom | 185.99010880296 |
| dec_nom | 16.703120290929 |
| roll_nom | 106.58724574486 |
| revision | 2 |
| ontime | 4959.9999815226 |
| livetime | 4897.1934752031 |
| ontime2 | 4956.7589813173 |
| ontime3 | 4959.9999815226 |
| ontime5 | 4959.9999815226 |
| ontime6 | 4959.9999815226 |
| ontime7 | 4959.9999815226 |
| ontime8 | 4959.9999815226 |
| l2events | 51196 |



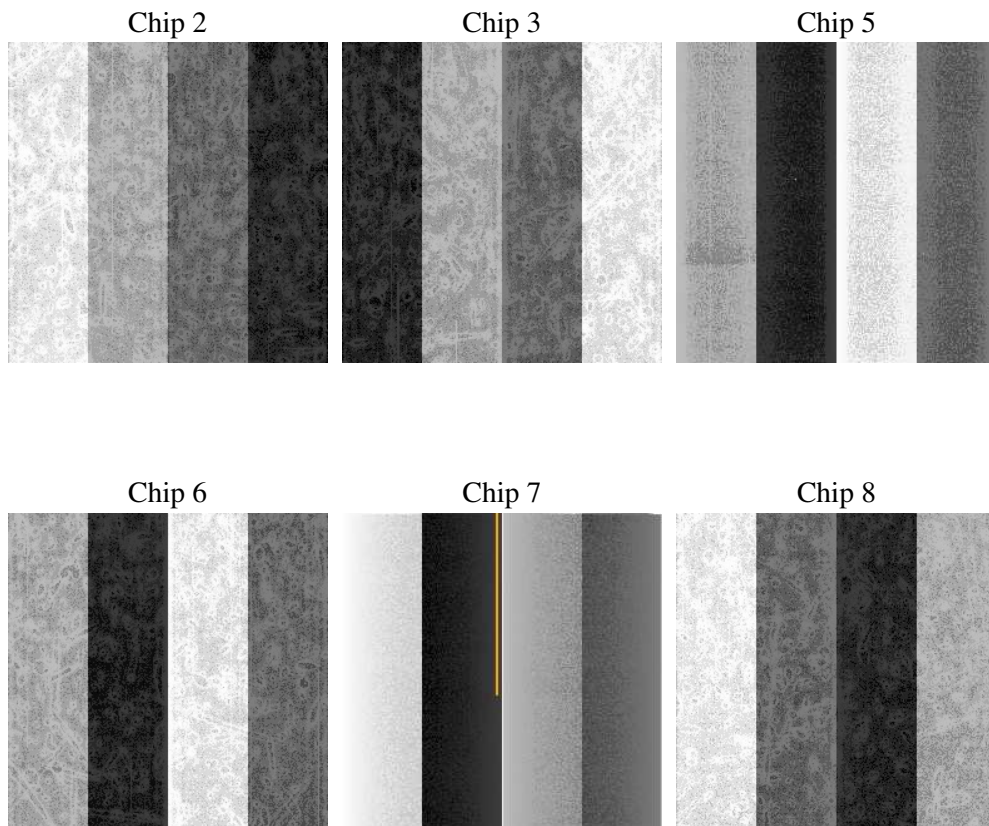
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 2 |
| ascdsver | 7.6.7.2 |
| caldsver | 3.2.2 |
| date | 2006-05-31T07:55:58 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 5000.000000 |
| ontime | 4965.2289476097 |
| ontime2 | 4961.9879474044 |
| ontime3 | 4965.2289476097 |
| ontime5 | 4965.2289476097 |
| ontime6 | 4965.2289476097 |
| ontime7 | 4965.2289476097 |
| ontime8 | 4965.2289476097 |
| l1events | 236036 |

2.1.4 Events

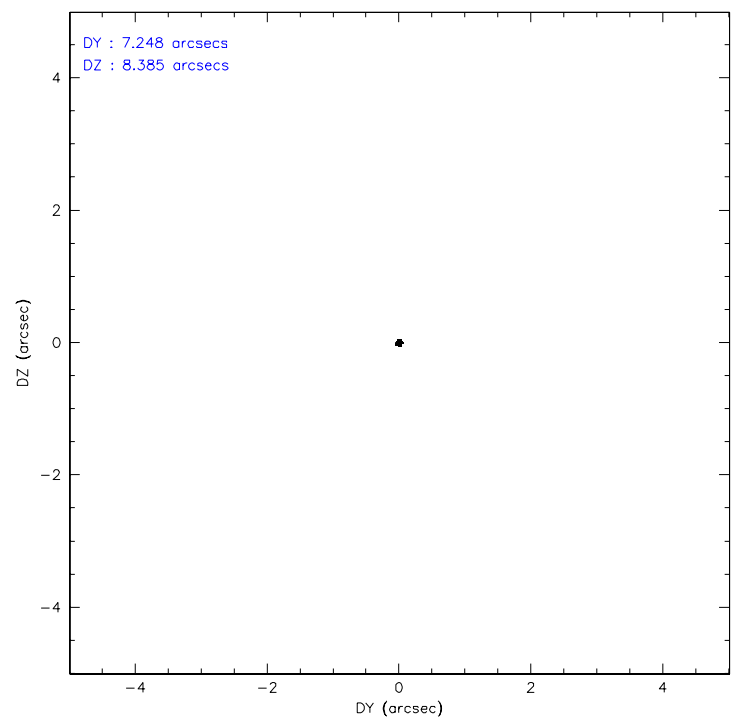
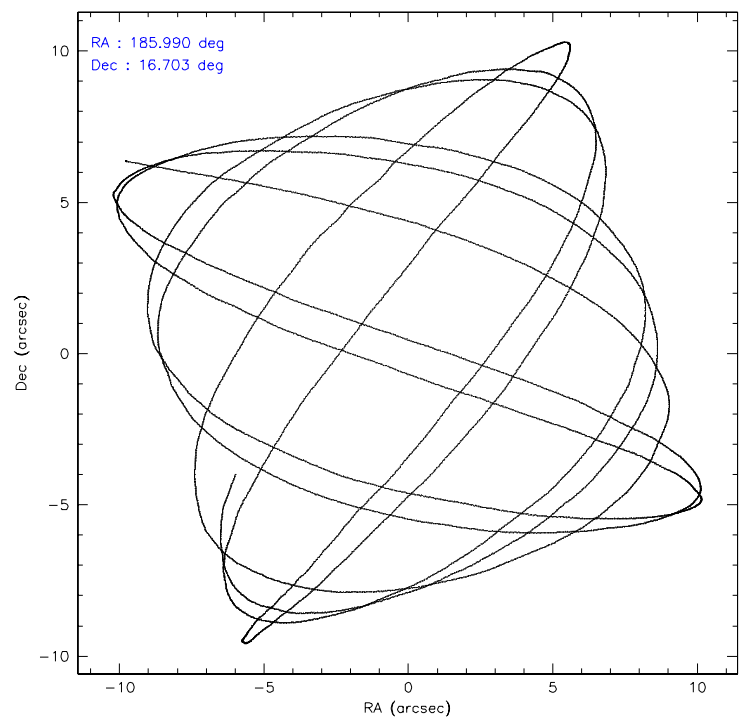
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|-----------------|-------|-------|-------|-------|-------|-------|
| level 1 events | 33012 | 31828 | 55053 | 31256 | 44695 | 40192 |
| rejected events | 29144 | 28129 | 28949 | 27194 | 27537 | 31580 |
| rejected % | 88% | 88% | 52% | 87% | 61% | 78% |

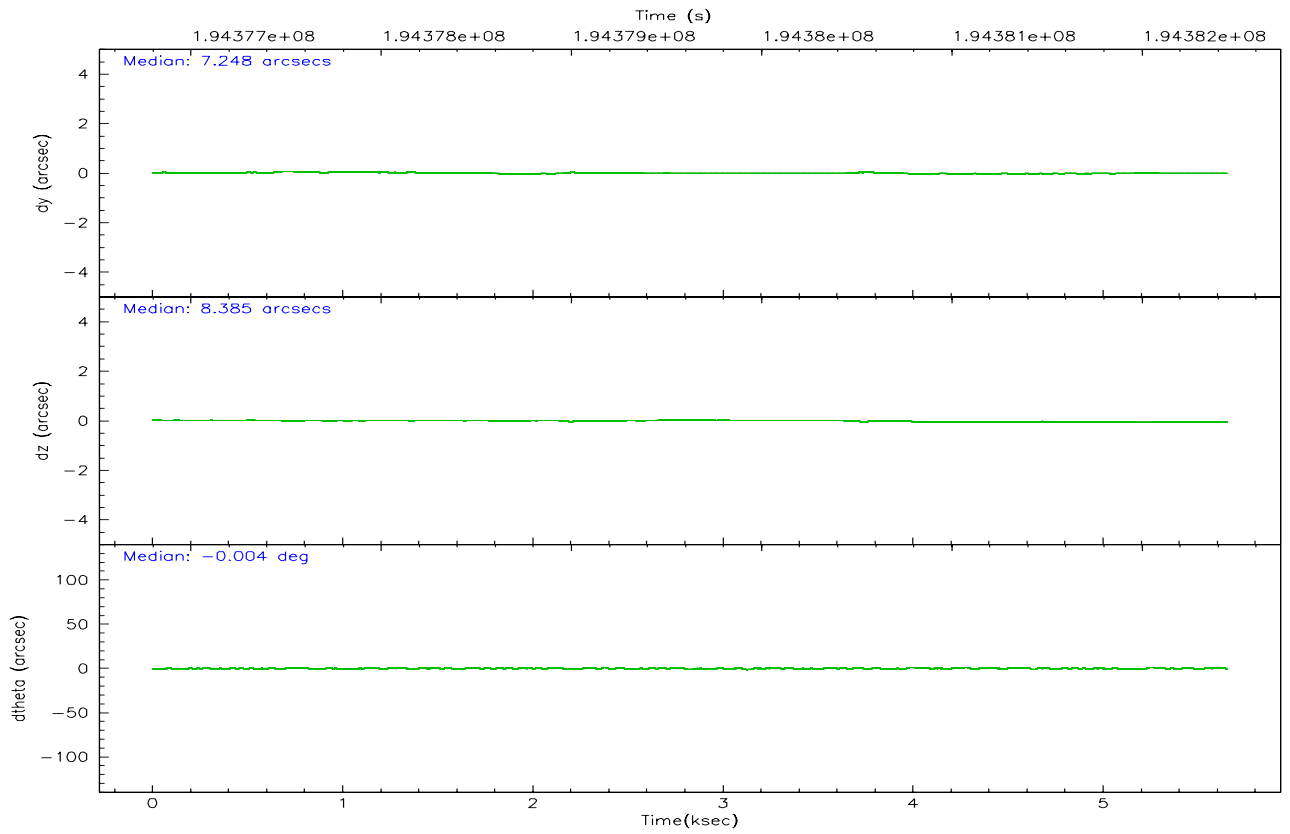
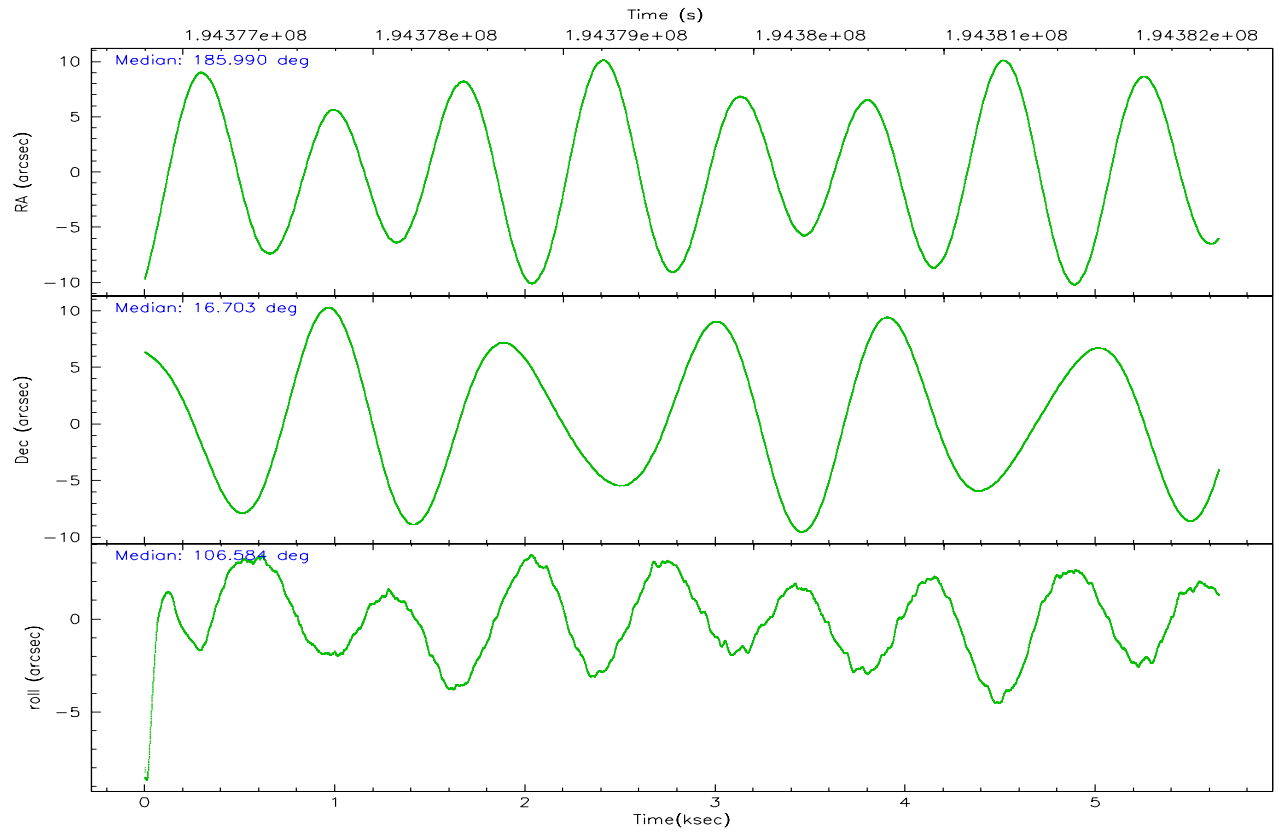
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 1721 | 1583 | 5432 | 1578 | 1051 | 2746 |
| | 5% | 4% | 9% | 5% | 2% | 6% |
| grade 1 events | 22 | 20 | 205 | 14 | 23 | 27 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 800 | 718 | 6916 | 842 | 4166 | 1939 |
| | 2% | 2% | 12% | 2% | 9% | 4% |
| grade 3 events | 351 | 395 | 545 | 388 | 902 | 842 |
| | 1% | 1% | 0% | 1% | 2% | 2% |
| grade 4 events | 362 | 364 | 542 | 431 | 802 | 837 |
| | 1% | 1% | 0% | 1% | 1% | 2% |
| grade 5 events | 1278 | 1429 | 2963 | 1478 | 2818 | 1965 |
| | 3% | 4% | 5% | 4% | 6% | 4% |
| grade 6 events | 638 | 641 | 12681 | 826 | 10252 | 2251 |
| | 1% | 2% | 23% | 2% | 22% | 5% |
| grade 7 events | 27840 | 26678 | 25769 | 25699 | 24681 | 29585 |
| | 84% | 83% | 46% | 82% | 55% | 73% |

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 | FAINT | FAINT | On-chip summing requested | N | N |
| Observation mode | POINTING | POINTING | Subarray requested | NONE | NONE |
| Pointing RA | 186.011027 | 185.9901088029559 | Alternating exposures requested | N | N |
| Pointing Dec | 16.684776 | 16.70312029092856 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 106.424599 | 106.5872457448574 | | | |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | | | |
| SIM defocus (mm) | 0 | 0.001444936568705701 | | | |
| SIM translation stage pos (mm) | -190.132523 | -190.1425803651734 | | | |
| SIM translation stage offset (mm) | 0 | 0.01005778216563158 | | | |
| Observation start time | 194377454.184000 | 194376257.5195 | | | |
| Observation start date | 2004-02-28T17:43:10 | 2004-02-28T17:24:17 | | | |
| Observation end time | 194382454.184000 | 194383534.50732 | | | |
| Observation end date | 2004-02-28T19:06:30 | 2004-02-28T19:25:34 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



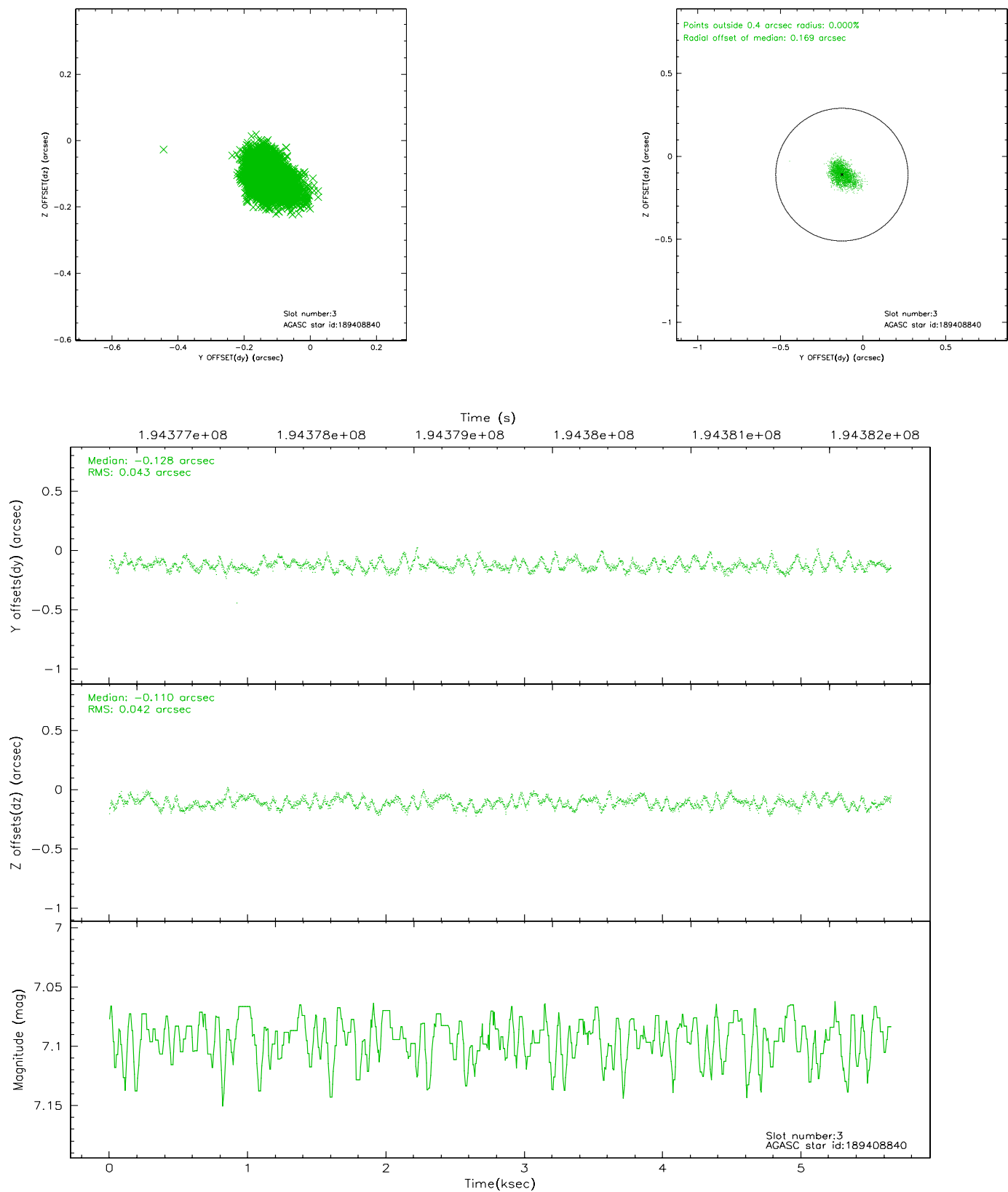


Slot Statistics

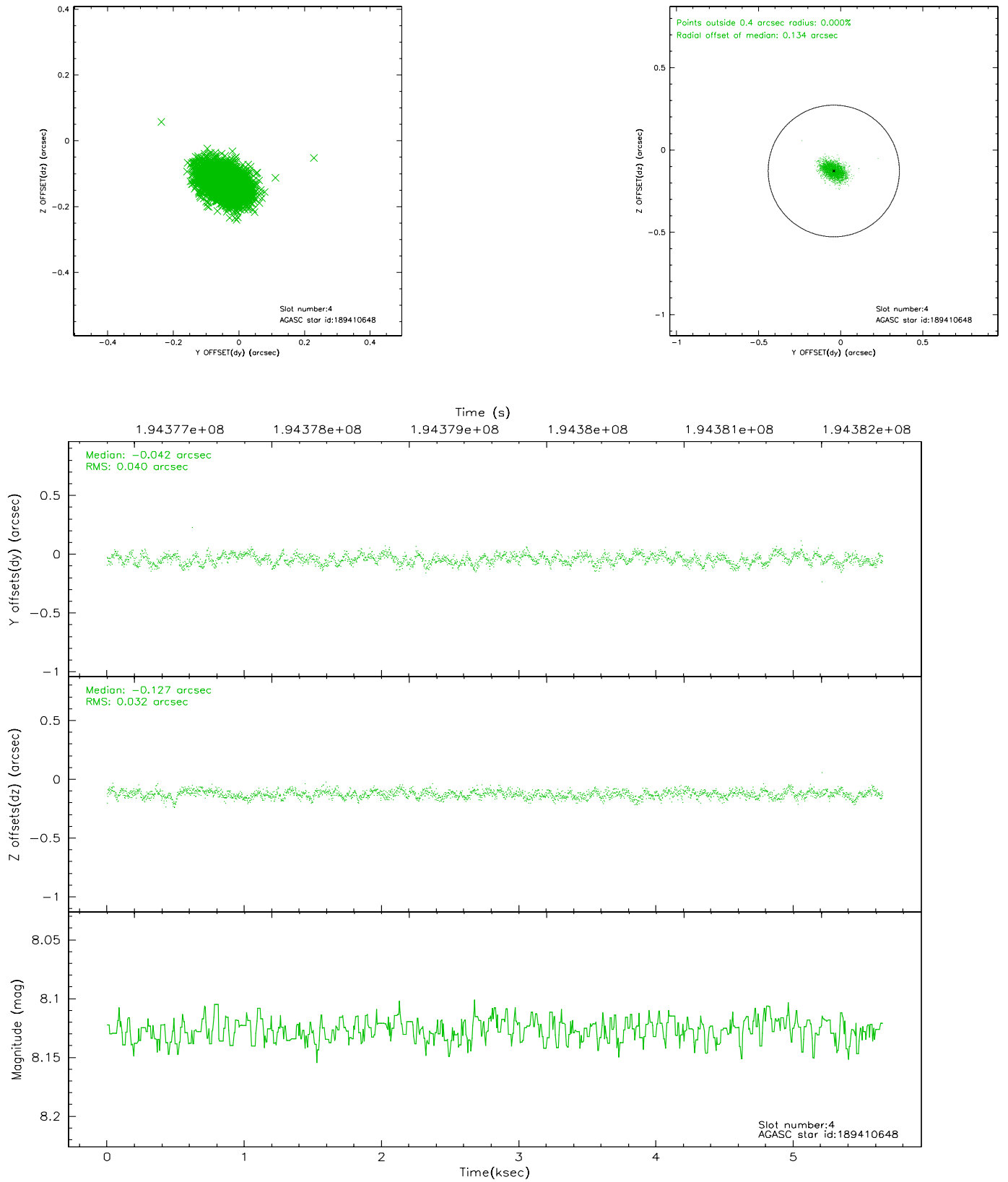
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.11 | 1378 | -0.004 | -0.014 | 0.006 | 0.011 | 0.000000 | 0.000000 | -760.02 | -1729.54 |
| 1 | FID | ACIS-S-4 | 7.21 | 1379 | 0.013 | 0.006 | 0.005 | 0.008 | 0.000000 | 0.000000 | 2152.80 | 177.86 |
| 2 | FID | ACIS-S-5 | 7.23 | 1379 | -0.040 | 0.017 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1811.53 | 172.76 |
| 3 | GUIDE | 189408840 | 7.09 | 2758 | -0.128 | -0.110 | 0.063 | 0.101 | 185.508645 | 16.744732 | 698.94 | 1599.86 |
| 4 | GUIDE | 189410648 | 8.13 | 2758 | -0.042 | -0.127 | 0.054 | 0.088 | 185.747145 | 16.243433 | -1265.15 | 1324.41 |
| 5 | GUIDE | 189411792 | 7.91 | 2758 | 0.055 | 0.175 | 0.049 | 0.080 | 186.226855 | 16.194788 | -1902.59 | -216.38 |
| 6 | GUIDE | 189412368 | 9.07 | 2758 | 0.033 | 0.024 | 0.071 | 0.116 | 186.600821 | 16.354974 | -1712.31 | -1619.28 |
| 7 | GUIDE | 189413016 | 8.13 | 2756 | 0.080 | 0.038 | 0.050 | 0.077 | 186.364497 | 16.171398 | -2117.45 | -650.53 |

2.4 Star Slots

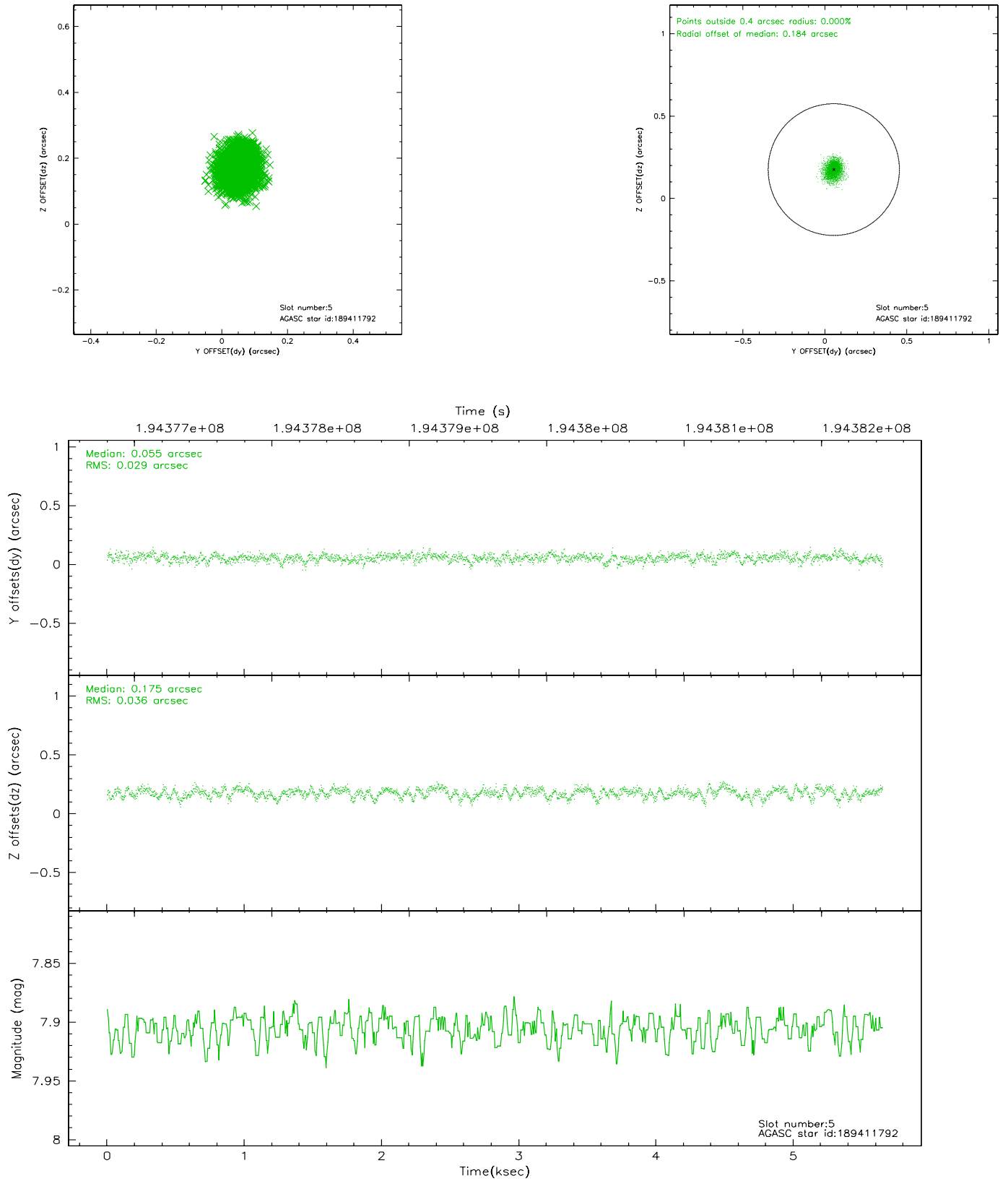
2.4.1 Slot 3



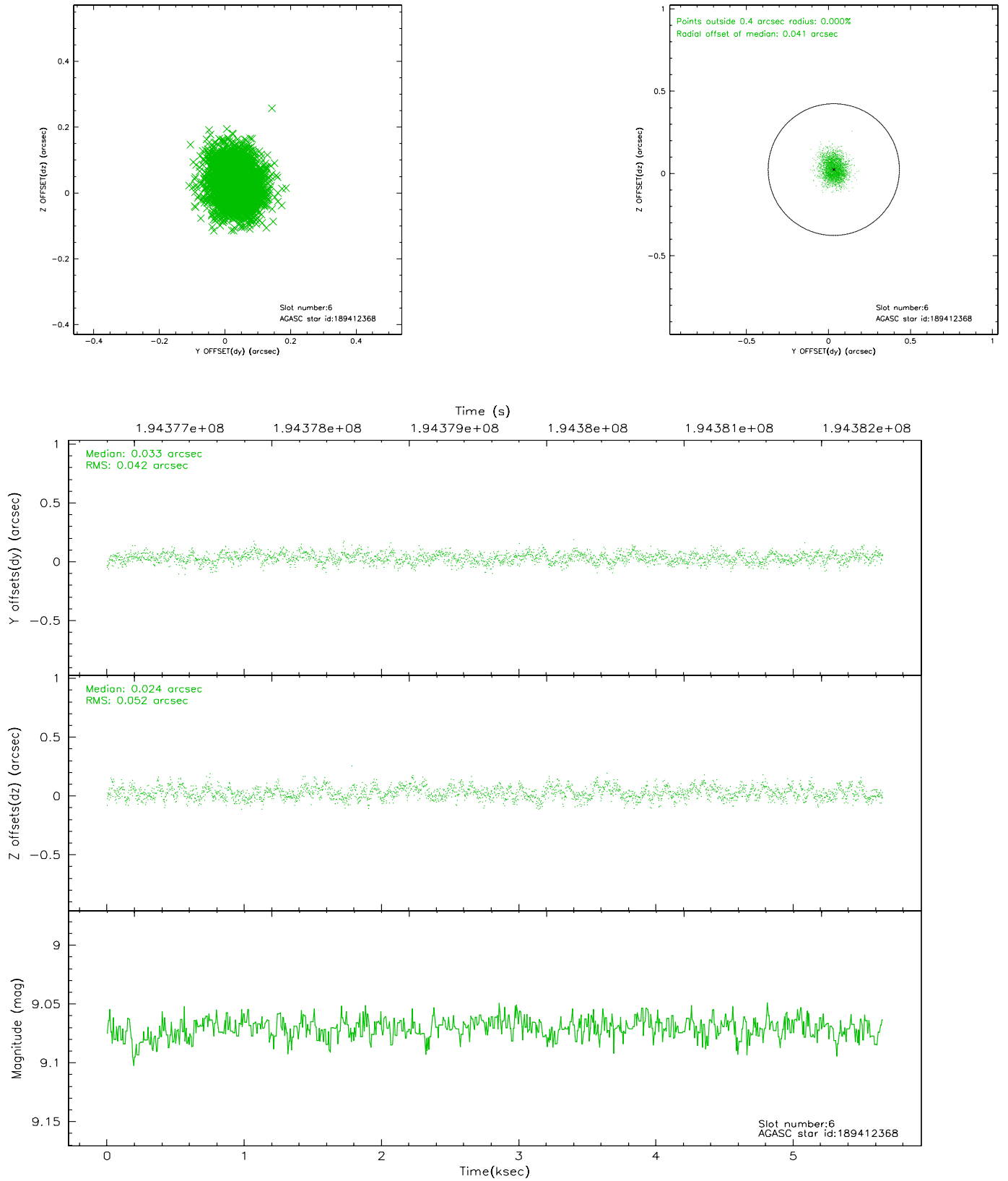
2.4.2 Slot 4



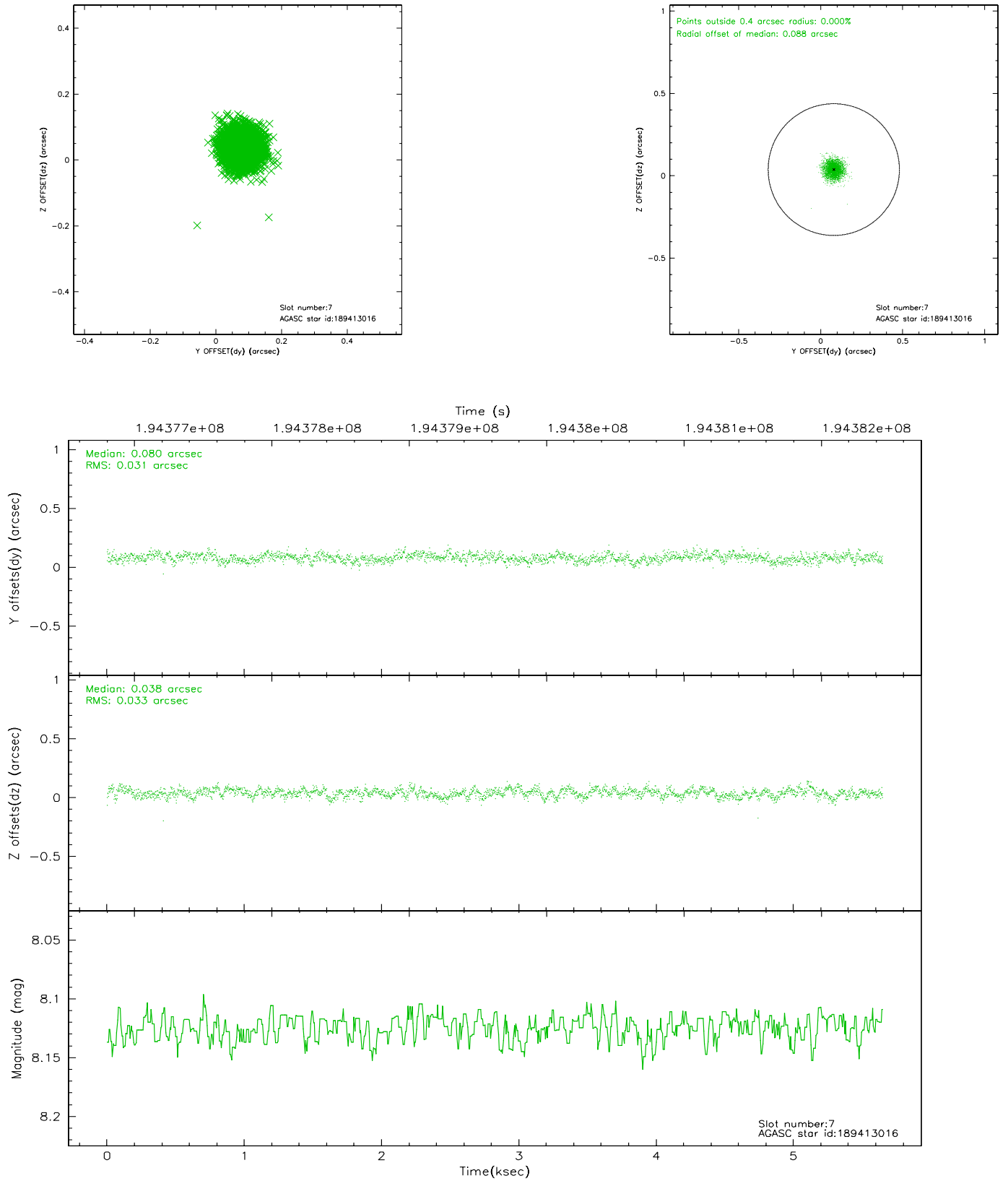
2.4.3 Slot 5



2.4.4 Slot 6

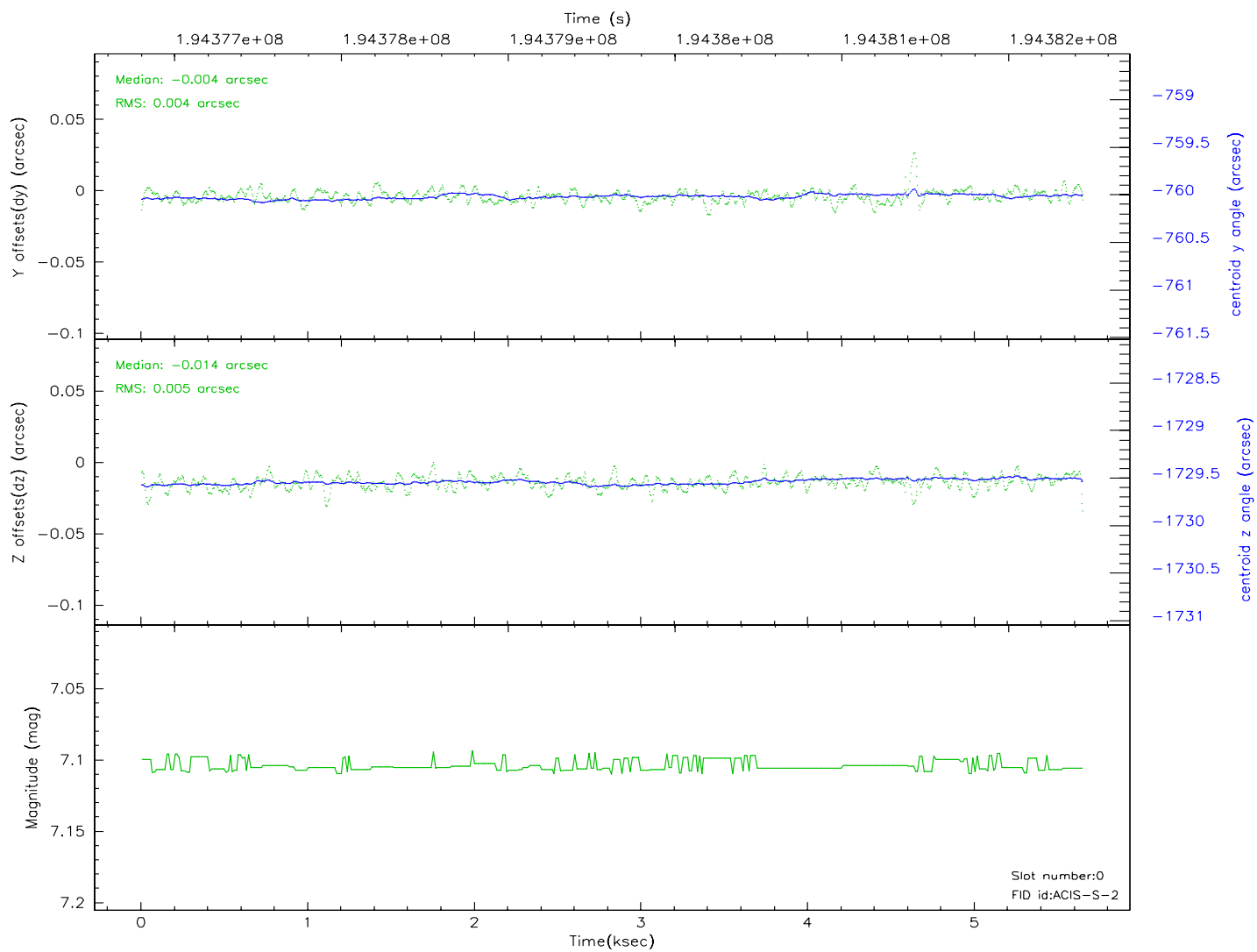
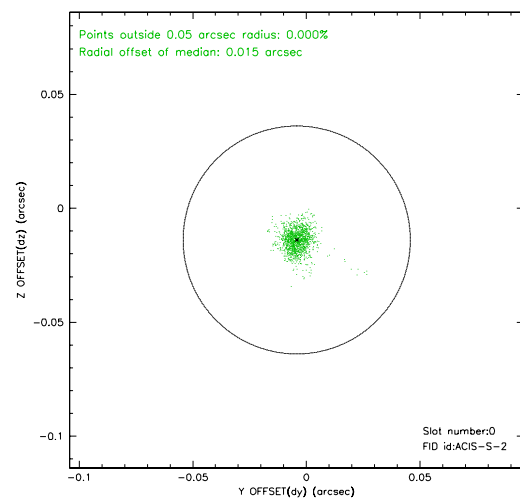
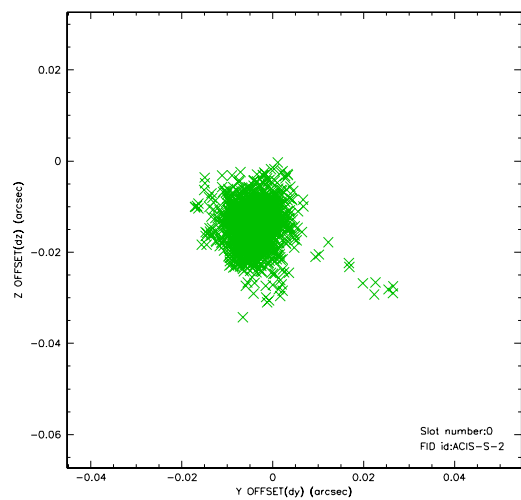


2.4.5 Slot 7

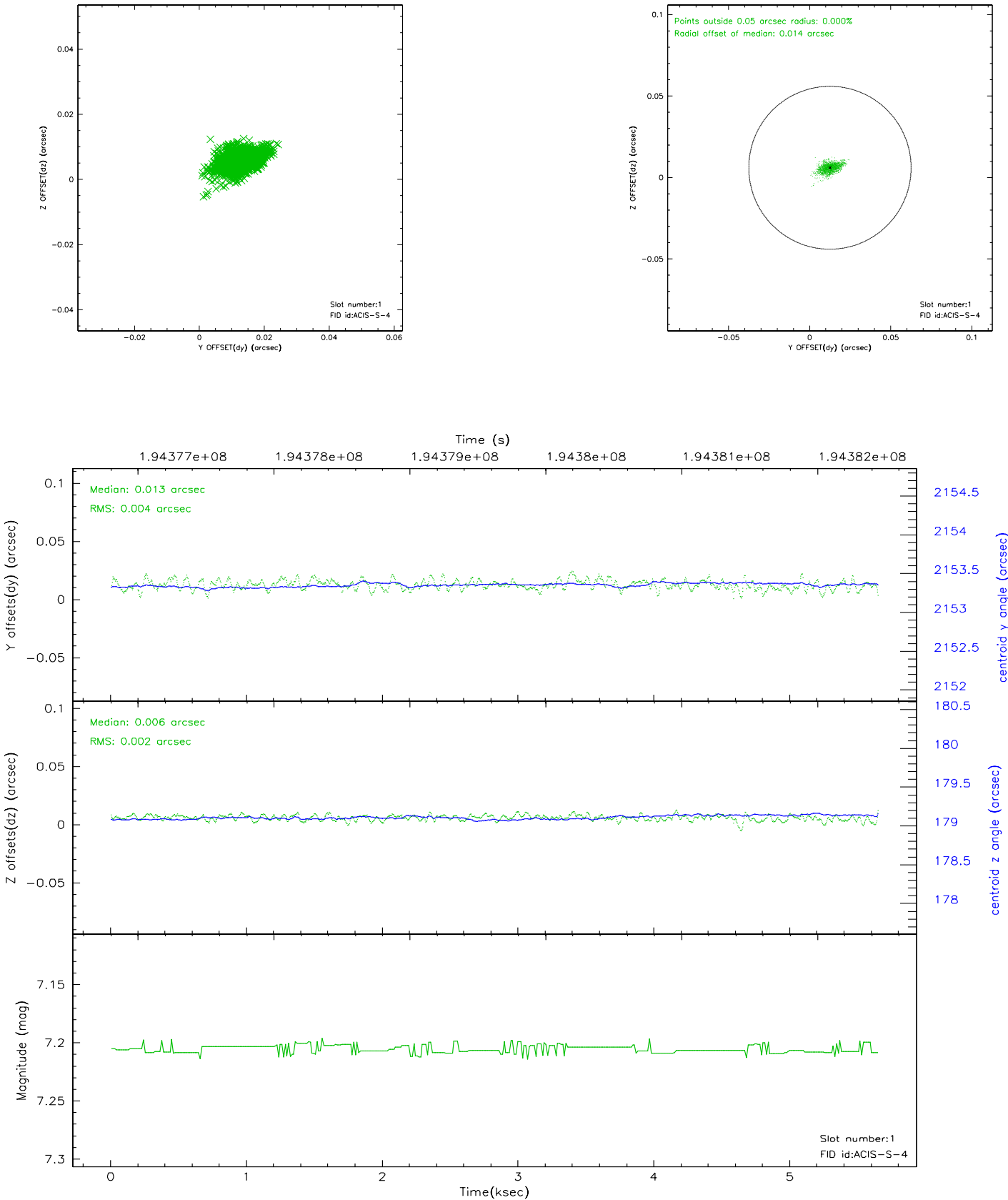


2.5 FID Slots

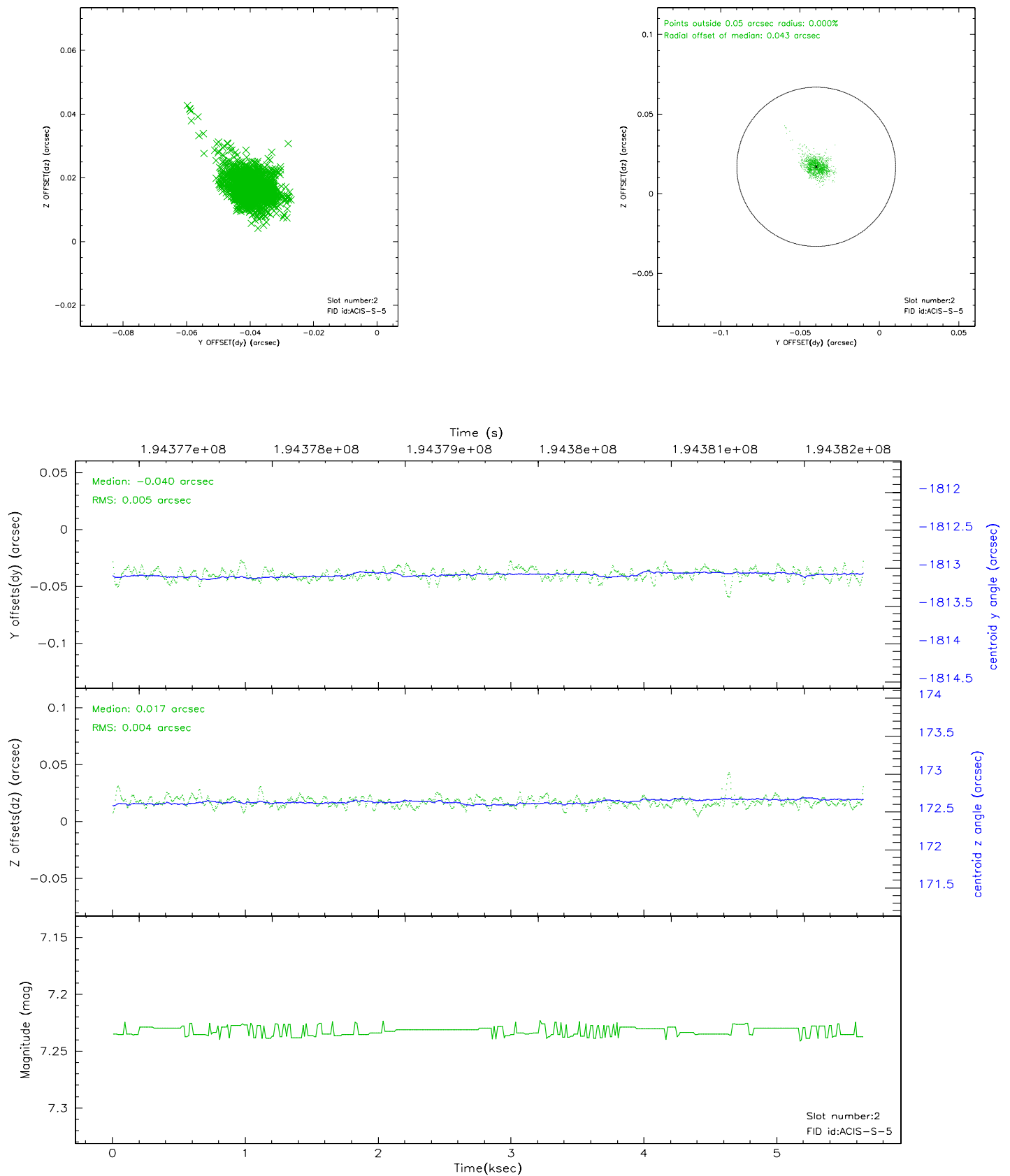
2.5.1 Slot 0



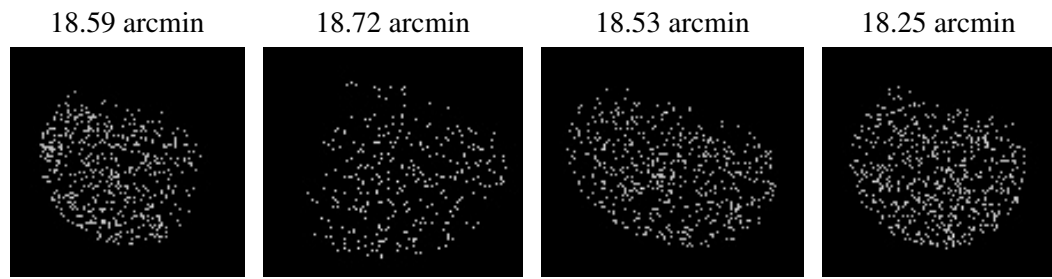
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.05.31 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 4.956 |

A.2 Comments