

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4838 - L2 Version 001
Chandra X-Ray Center

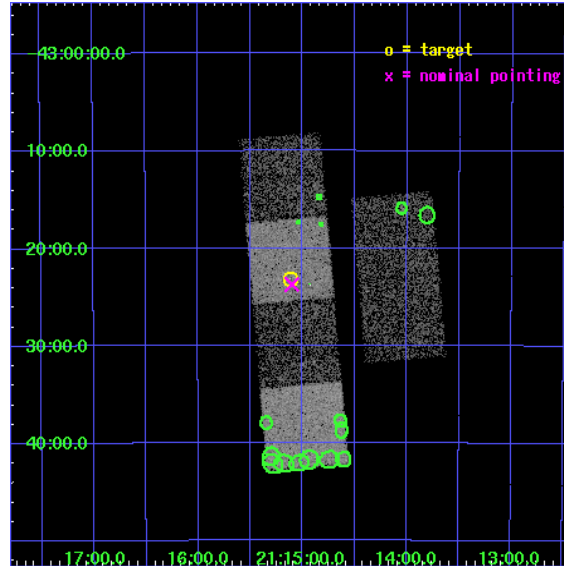
L2 Processing Date : Jun 23 2006

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1 Front

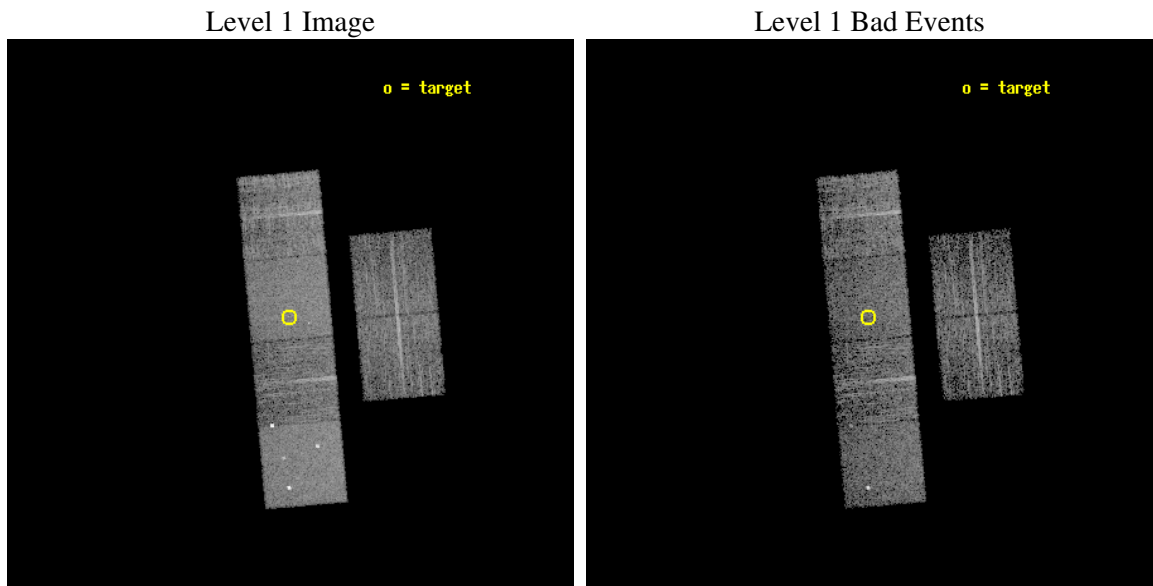
| | |
|----------|--|
| seq_num | 700920 |
| obs_id | 4838 |
| title | Constraining the Hard-X-ray Through Submm SEDs of a Complete Sample of Broad Absorption Line Quasars |
| observer | Dr. Sarah Gallagher |
| object | LBQS 2111-4335 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 318.77875 |
| dec_targ | -43.386028 |
| ra_nom | 318.77537006254 |
| dec_nom | -43.395350485424 |
| roll_nom | 264.94742320166 |
| revision | 2 |
| ontime | 5596.7999791503 |
| livetime | 5525.9299278259 |
| ontime2 | 5596.7999791503 |
| ontime3 | 5596.7999791503 |
| ontime5 | 5596.7999791503 |
| ontime6 | 5596.7999791503 |
| ontime7 | 5596.7999791503 |
| ontime8 | 5593.5590088665 |
| l2events | 51930 |



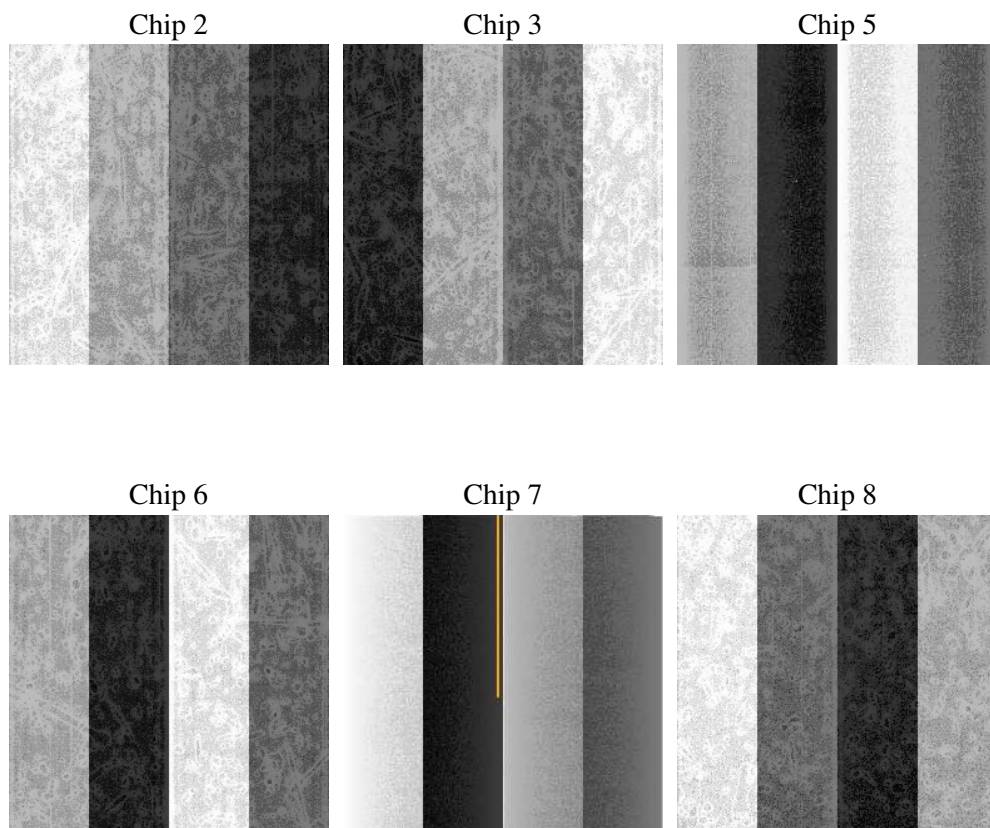
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.8 |
| caldsver | 3.2.2 |
| date | 2006-06-23T18:20:55 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 5843.000000 |
| ontime | 5603.6921333075 |
| ontime2 | 5603.6921333075 |
| ontime3 | 5603.6921531856 |
| ontime5 | 5603.6921531856 |
| ontime6 | 5603.6921531856 |
| ontime7 | 5603.6921333075 |
| ontime8 | 5600.4510733485 |
| l1events | 238485 |

2.1.4 Events

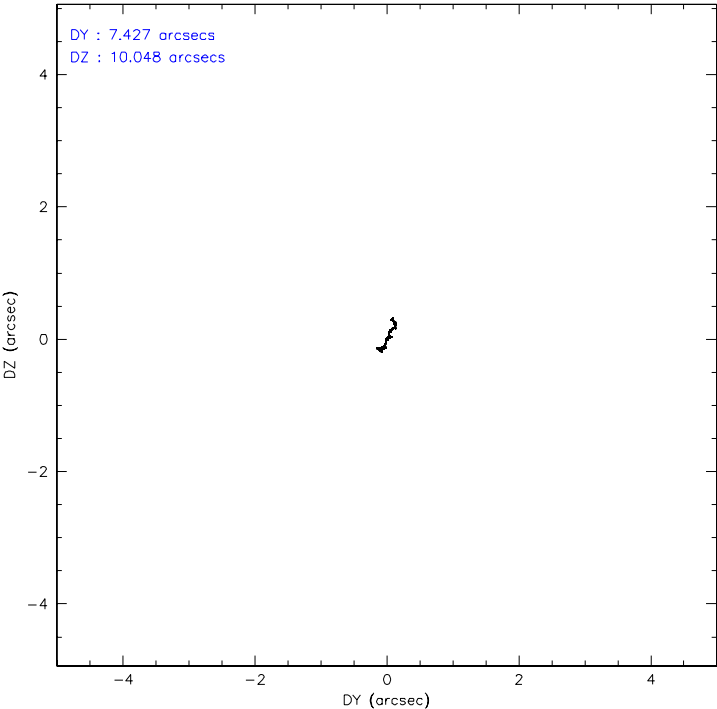
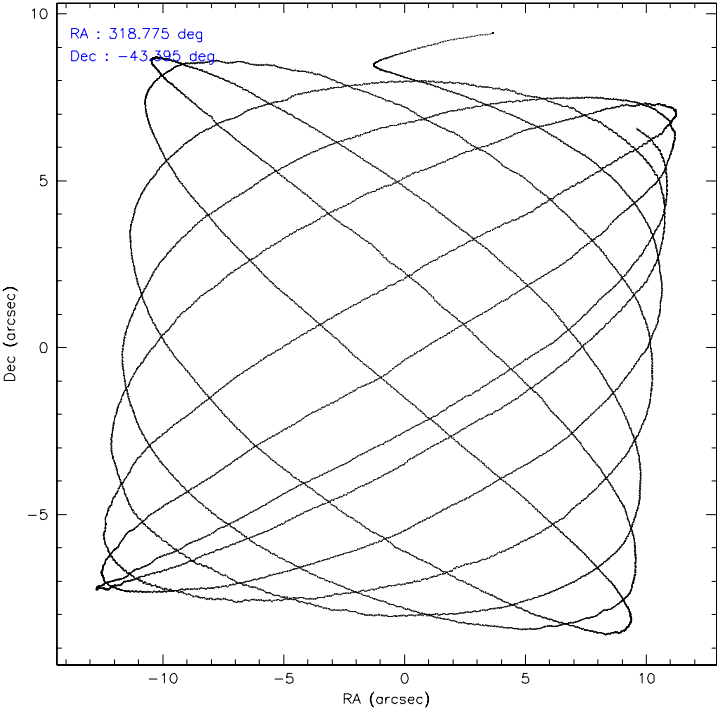
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|-----------------|-------|-------|-------|-------|-------|-------|
| level 1 events | 32425 | 30055 | 53028 | 33352 | 45212 | 44413 |
| rejected events | 28513 | 26135 | 28555 | 29334 | 27727 | 35643 |
| rejected % | 87% | 86% | 53% | 87% | 61% | 80% |

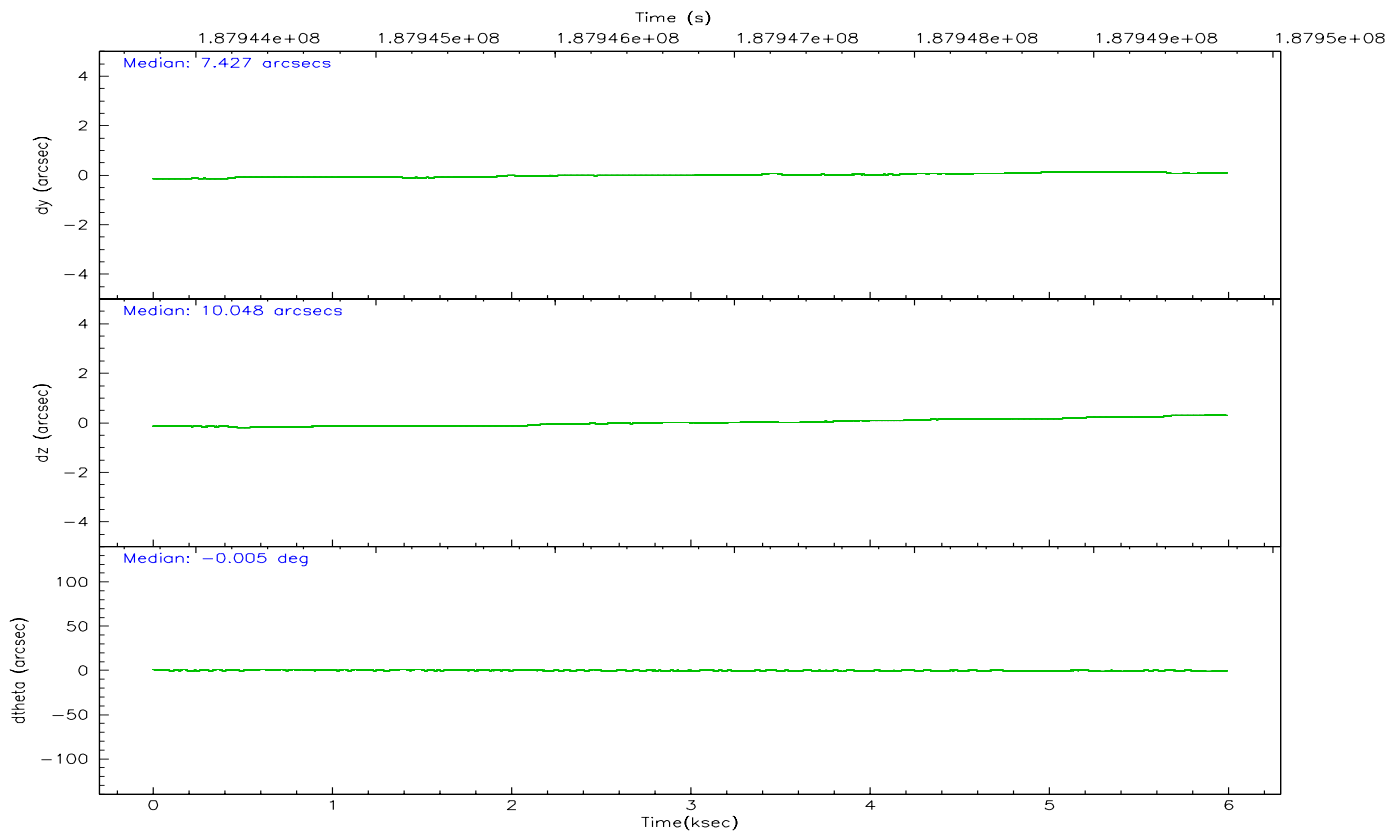
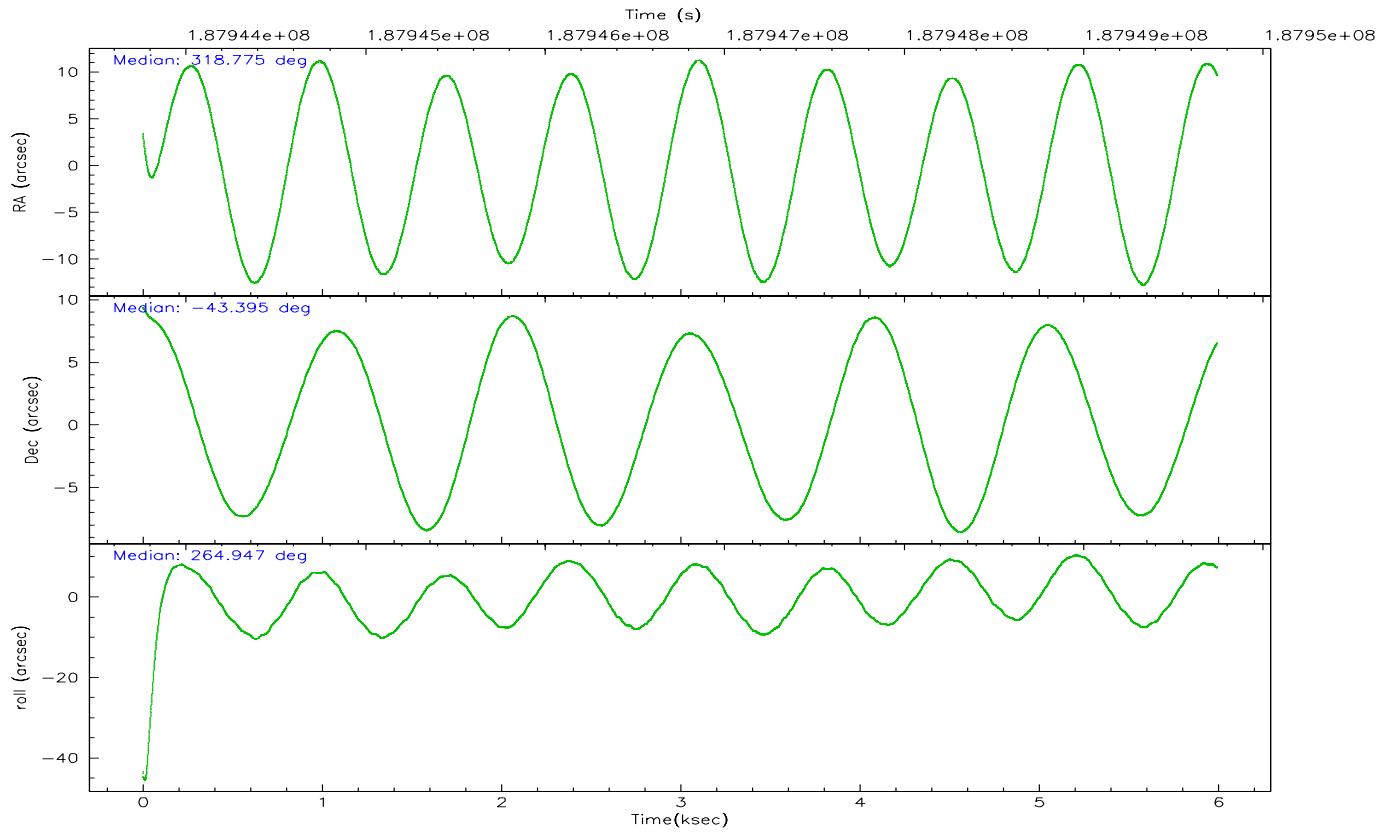
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 1770 | 1731 | 2233 | 1597 | 1153 | 2756 |
| | 5% | 5% | 4% | 4% | 2% | 6% |
| grade 1 events | 15 | 23 | 177 | 16 | 24 | 34 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 793 | 761 | 7082 | 835 | 4344 | 1964 |
| | 2% | 2% | 13% | 2% | 9% | 4% |
| grade 3 events | 349 | 362 | 476 | 399 | 917 | 900 |
| | 1% | 1% | 0% | 1% | 2% | 2% |
| grade 4 events | 333 | 380 | 465 | 389 | 900 | 899 |
| | 1% | 1% | 0% | 1% | 1% | 2% |
| grade 5 events | 1295 | 1459 | 2831 | 1593 | 3072 | 1923 |
| | 3% | 4% | 5% | 4% | 6% | 4% |
| grade 6 events | 674 | 690 | 14247 | 798 | 10195 | 2266 |
| | 2% | 2% | 26% | 2% | 22% | 5% |
| grade 7 events | 27196 | 24649 | 25517 | 27725 | 24607 | 33671 |
| | 83% | 82% | 48% | 83% | 54% | 75% |

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 | 318.759011 | 318.7753700625368 | Alternating exposures requested | N | N |
| Pointing Dec | -43.370834 | -43.3953504854239 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 264.779680 | 264.9474232016553 | | | |
| 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 | 187943908.184000 | 187942842.68884 | | | |
| Observation start date | 2003-12-16T06:37:24 | 2003-12-16T06:20:42 | | | |
| Observation end time | 187949751.184000 | 187950179.12666 | | | |
| Observation end date | 2003-12-16T08:14:47 | 2003-12-16T08:22:59 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



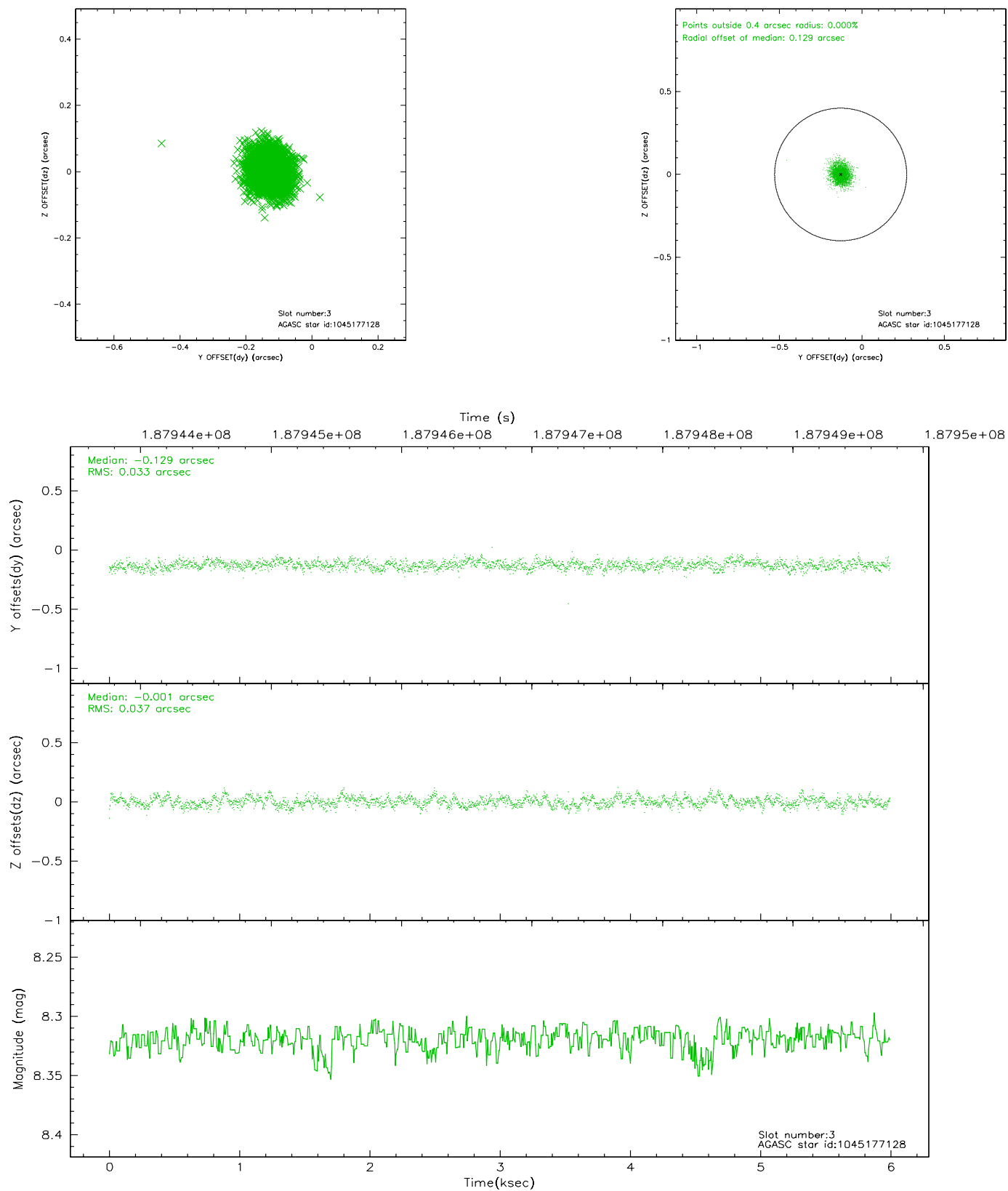


Slot Statistics

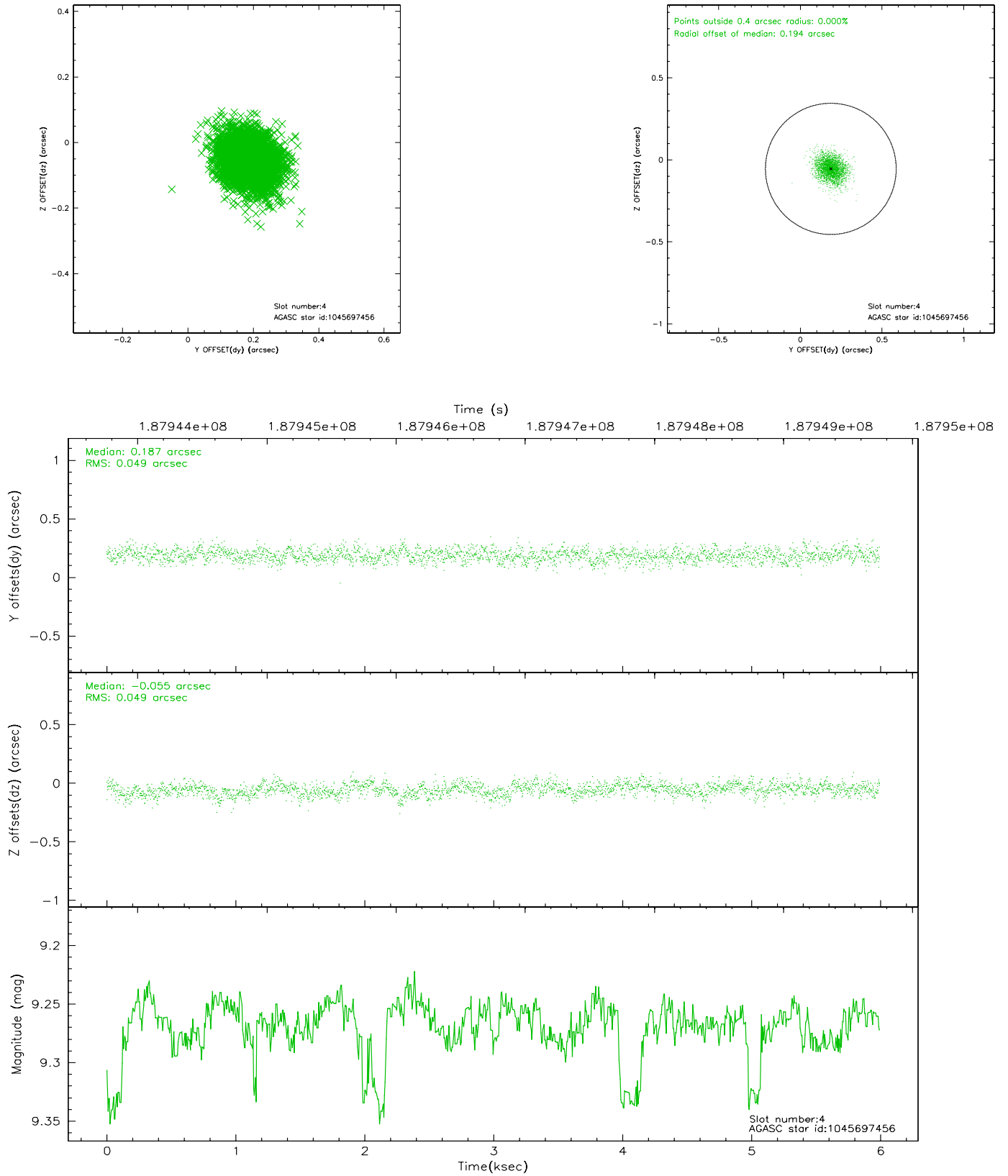
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.10 | 1462 | -0.027 | 0.011 | 0.007 | 0.011 | 0.000000 | 0.000000 | -760.18 | -1731.31 |
| 1 | FID | ACIS-S-4 | 7.20 | 1462 | 0.021 | 0.010 | 0.005 | 0.010 | 0.000000 | 0.000000 | 2152.66 | 176.20 |
| 2 | FID | ACIS-S-5 | 7.23 | 1462 | -0.026 | -0.013 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1811.79 | 170.90 |
| 3 | GUIDE | 1045177128 | 8.32 | 2925 | -0.129 | -0.001 | 0.052 | 0.084 | 319.011903 | -42.956438 | -1544.98 | 527.78 |
| 4 | GUIDE | 1045697456 | 9.27 | 2921 | 0.187 | -0.055 | 0.075 | 0.117 | 318.587540 | -43.819178 | 1648.39 | -296.66 |
| 5 | GUIDE | 1045697552 | 6.76 | 2924 | -0.228 | -0.012 | 0.057 | 0.087 | 318.452039 | -43.129897 | -788.04 | -881.88 |
| 6 | GUIDE | 1045697992 | 8.48 | 2925 | 0.065 | 0.017 | 0.058 | 0.092 | 318.625405 | -43.937706 | 2064.27 | -159.63 |
| 7 | GUIDE | 1045699184 | 9.69 | 2919 | 0.106 | 0.049 | 0.105 | 0.170 | 318.652396 | -43.990040 | 2246.43 | -72.29 |

2.4 Star Slots

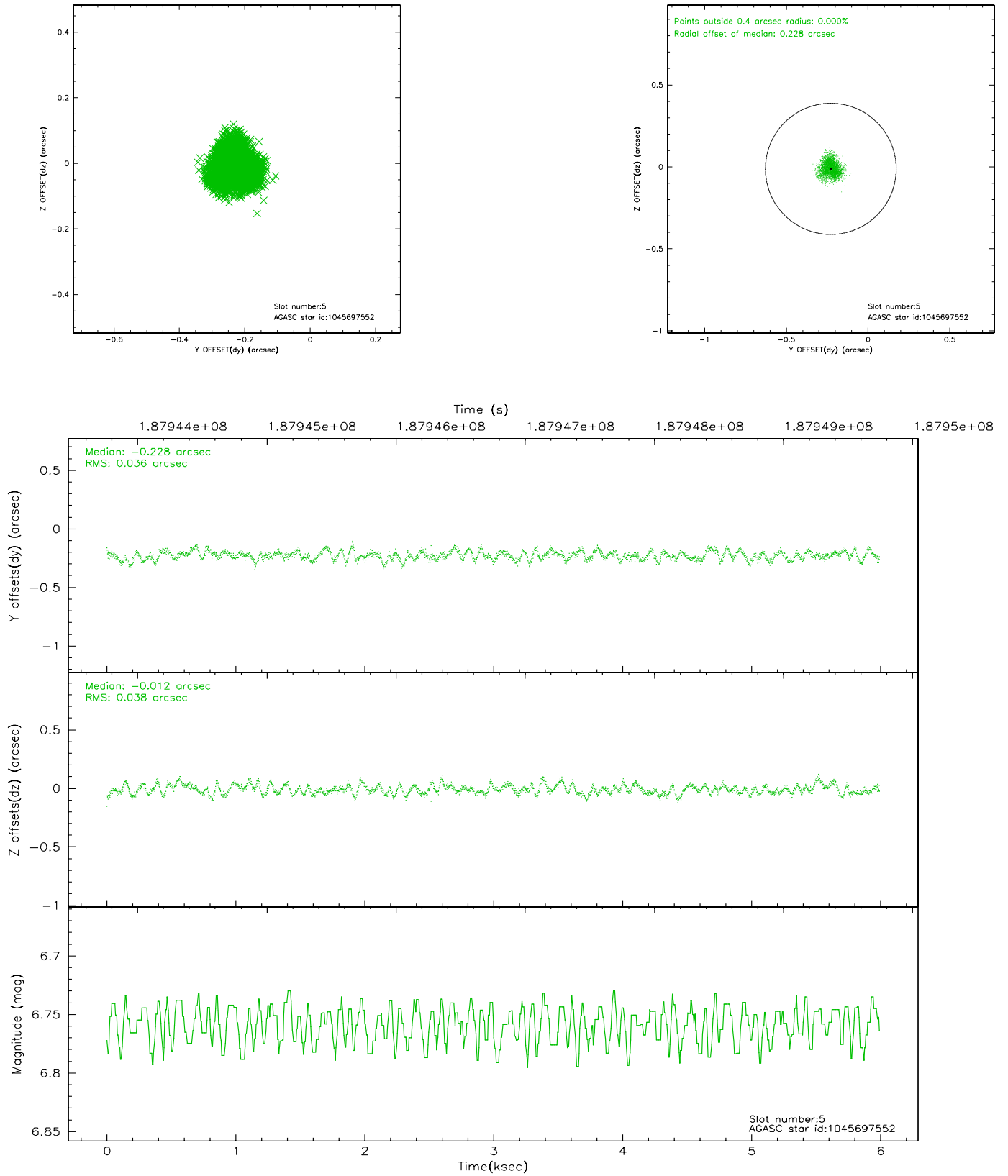
2.4.1 Slot 3



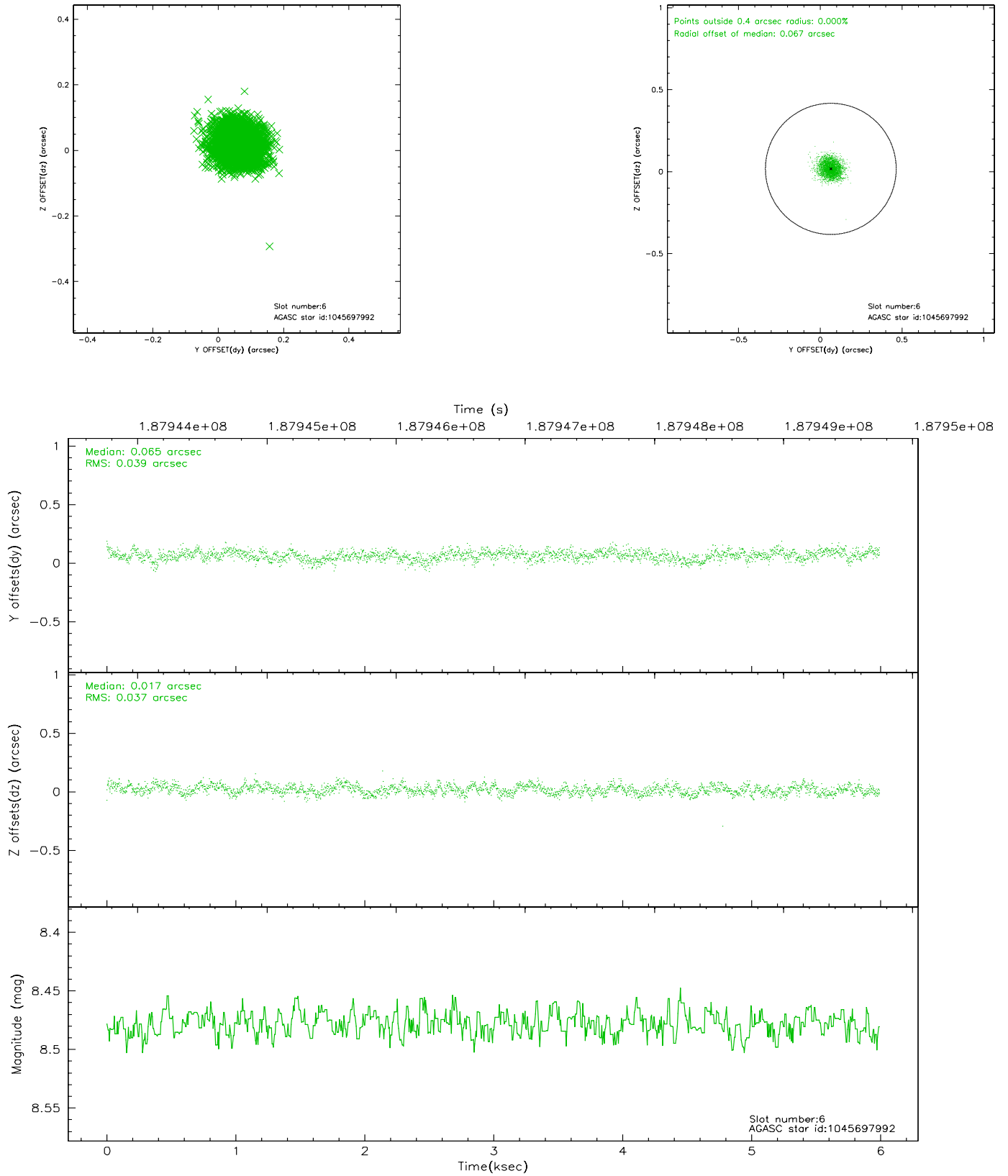
2.4.2 Slot 4



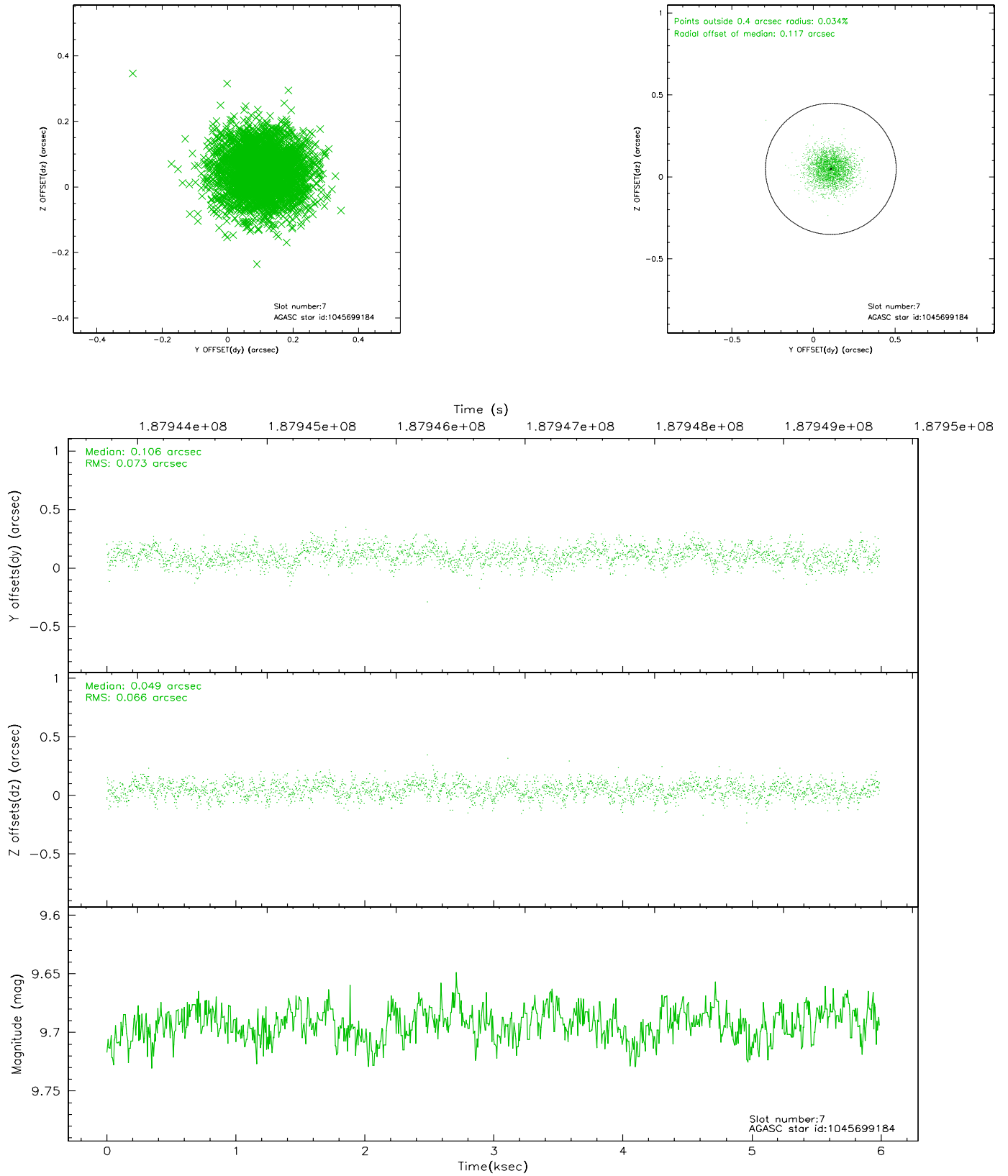
2.4.3 Slot 5



2.4.4 Slot 6

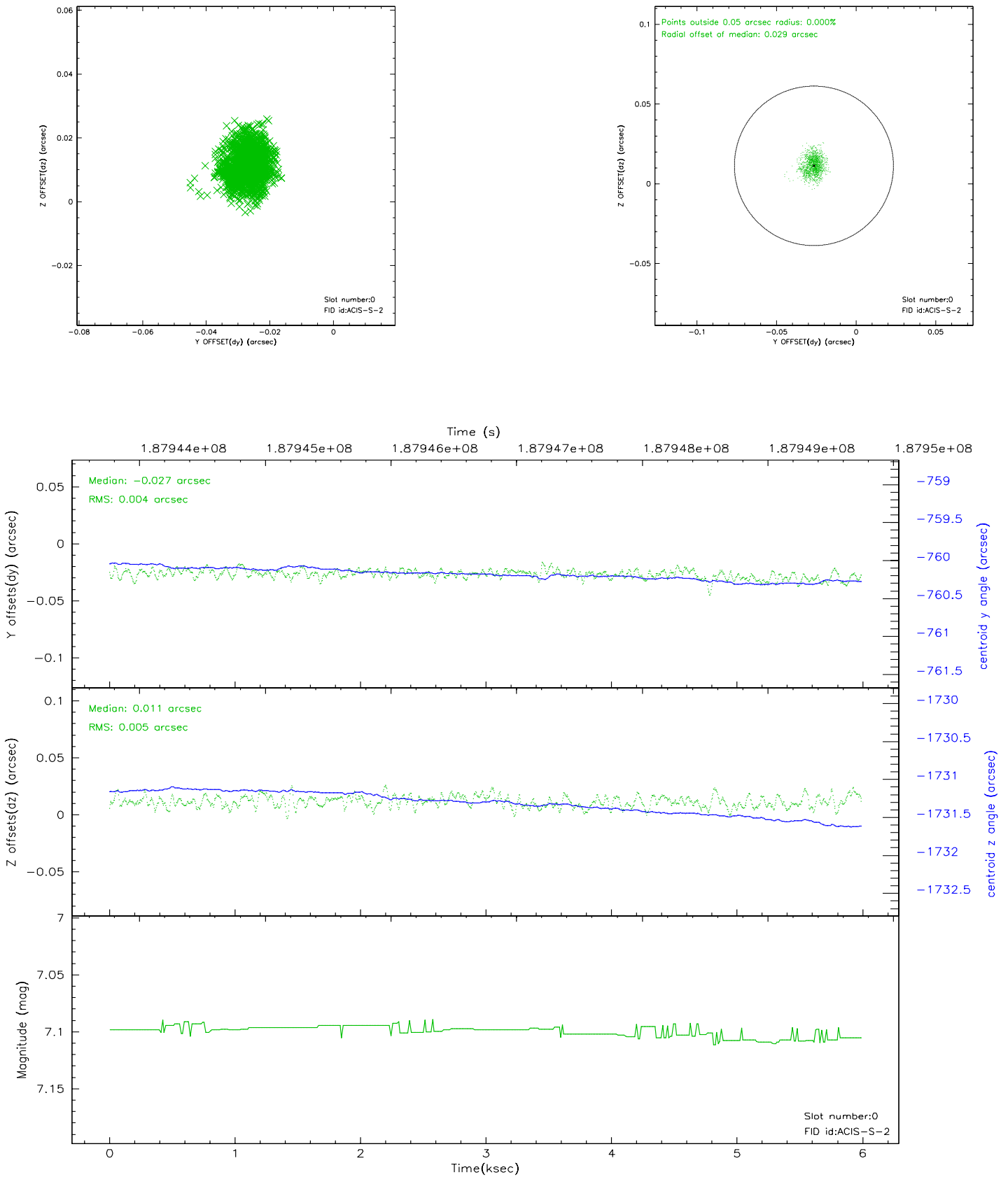


2.4.5 Slot 7

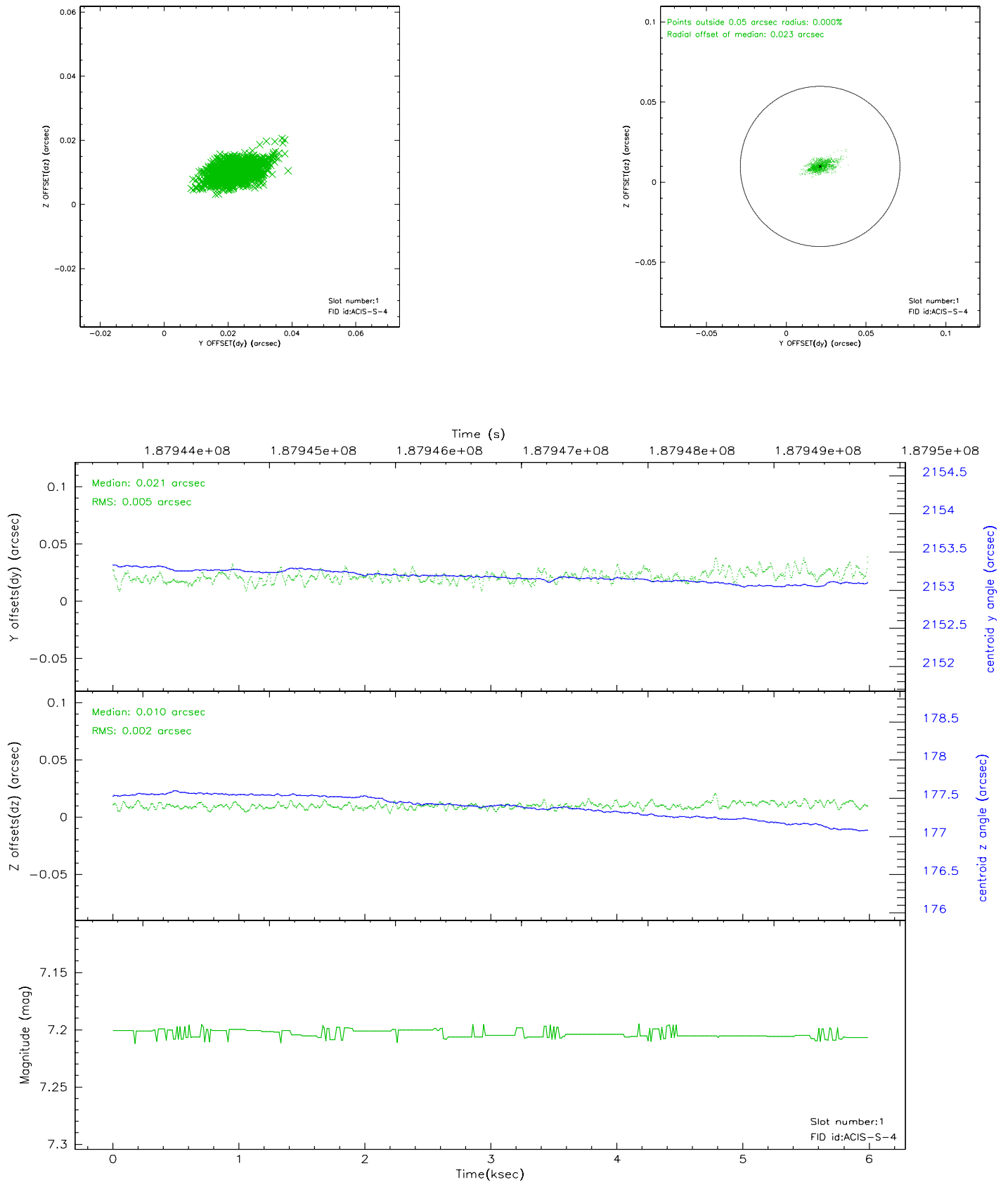


2.5 FID Slots

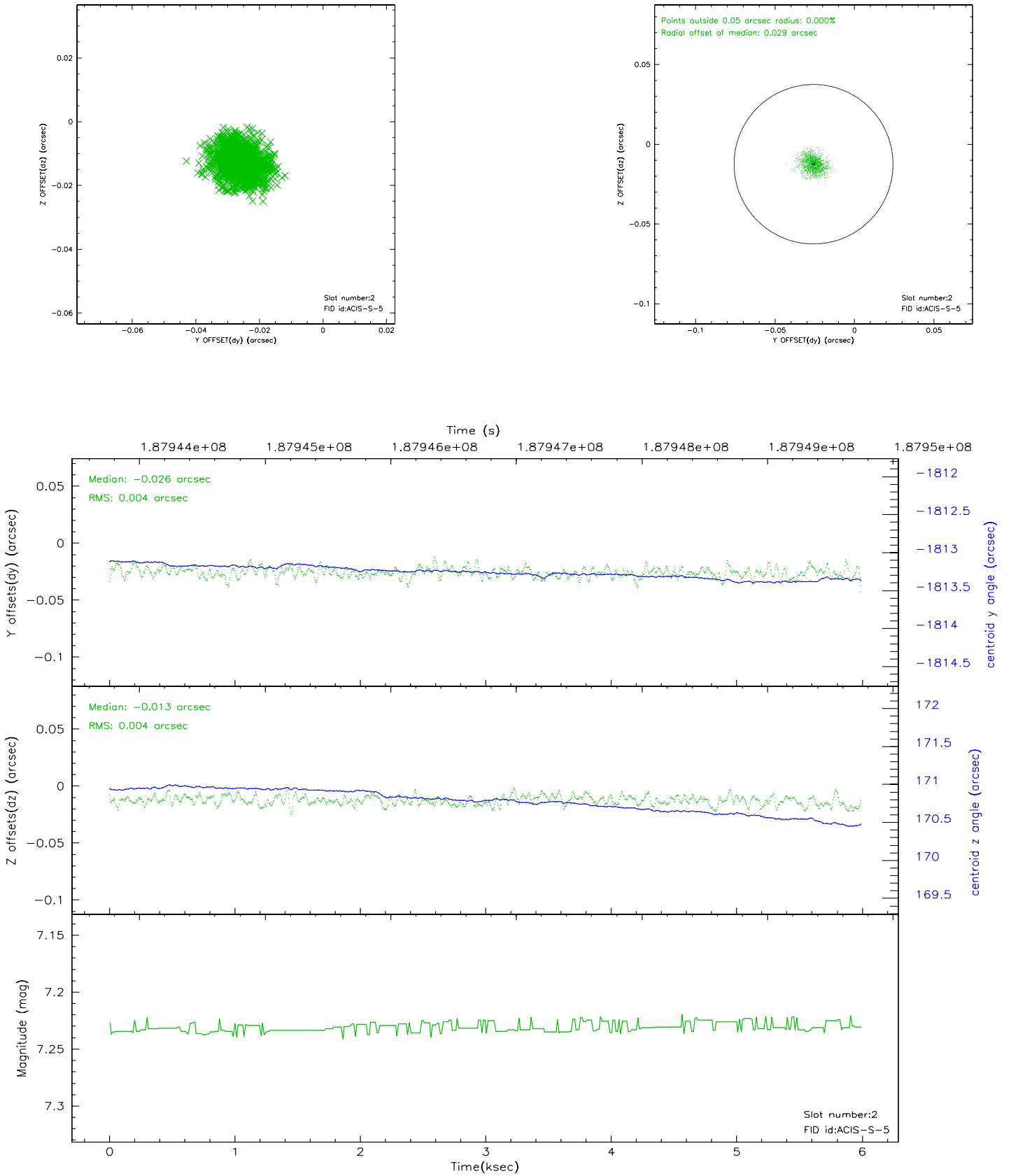
2.5.1 Slot 0



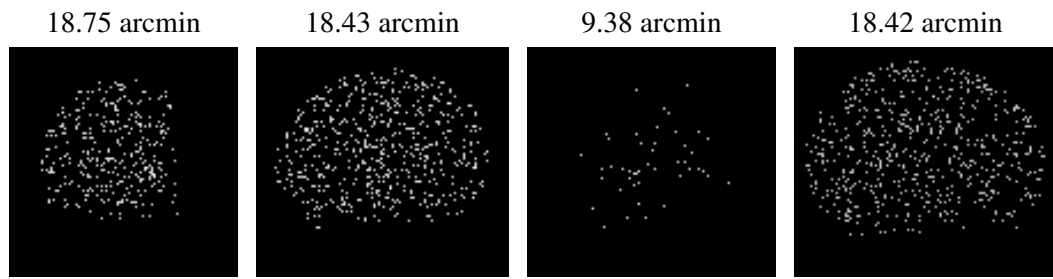
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.06.23 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 5.599 |

A.2 Comments