

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1804 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 31 2012

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1 Front

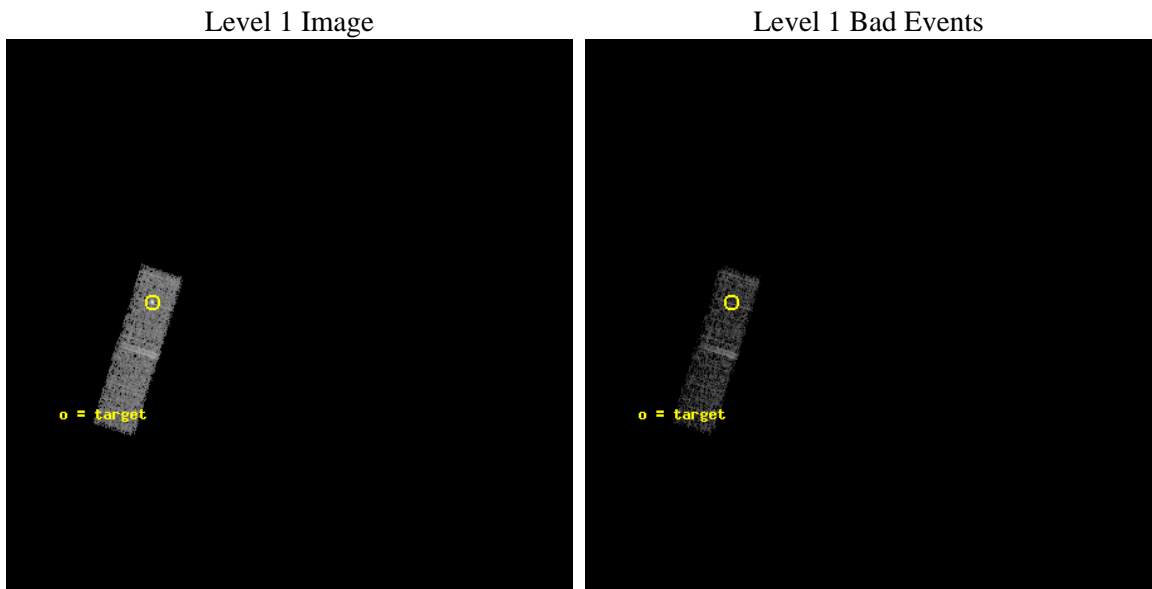
| | | |
|-----------|--|---|
| seq_num | 300043 | Sequence number |
| obs_id | 1804 | Observation id |
| title | MULTIWAVELENGTH TOO OBSERVATIONS OF BRIGHT NOVAE IN OUTBURST | Propo |
| observer | Regents' Professor Sumner Starrfield | Principal investigator |
| object | V382Velorum1999 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 161.201542 | Observer's specified target RA [deg] |
| dec_targ | -52.425169 | Observer's specified target Dec [deg] |
| ra_nom | 161.00594897402 | Nominal RA [deg] |
| dec_nom | -52.443556641944 | Nominal Dec [deg] |
| roll_nom | 197.73425707222 | Nominal Roll [deg] |
| revision | 4 | Processing version of data |
| ontime | 10140.717912138 | Sum of GTIs [s] |
| liveltime | 9645.8840598664 | Livetime [s] |
| ontime3 | 10140.717912138 | Sum of GTIs [s] |
| l2events | 3826 | Number of level 2 events |



2 OBI

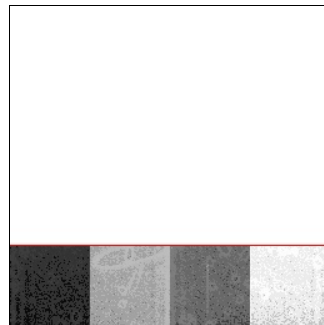
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|---|
| obi_num | 0 | Obi number | sched_exp_time | 10000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 10140.717912138 | Sum of GTIs [s] |
| caldbver | 4.5.1.1 | | ontime3 | 10140.717912138 | Sum of GTIs [s] |
| date | 2012-08-31T12:32:28 | Date and time of file creation | l1events | 23969 | Number of level 1 events |
| revision | 4 | Processing version of data | | | |

2.1.4 Events

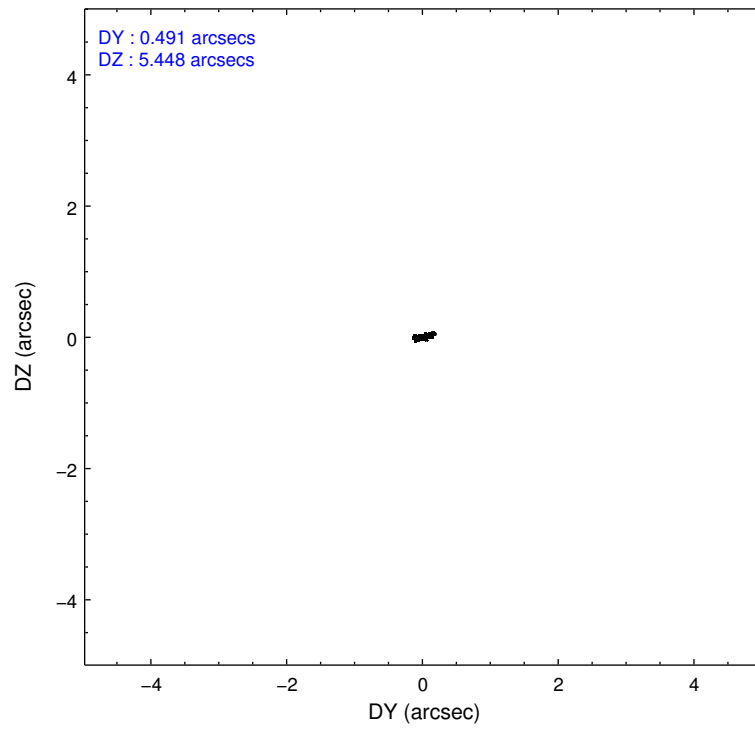
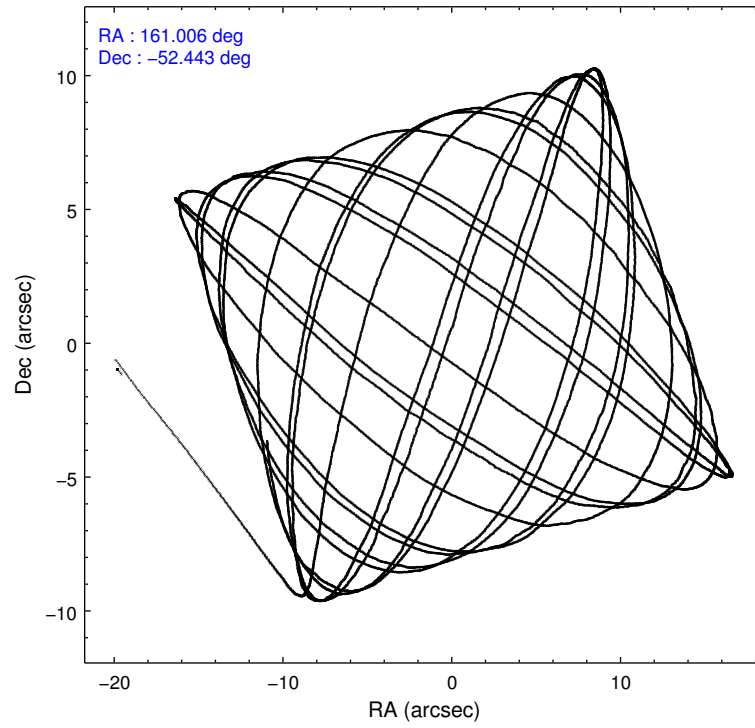
| | ccd 3 |
|-----------------|--------------|
| level 1 events | 23969 |
| rejected events | 19737 |
| rejected % | 82% |

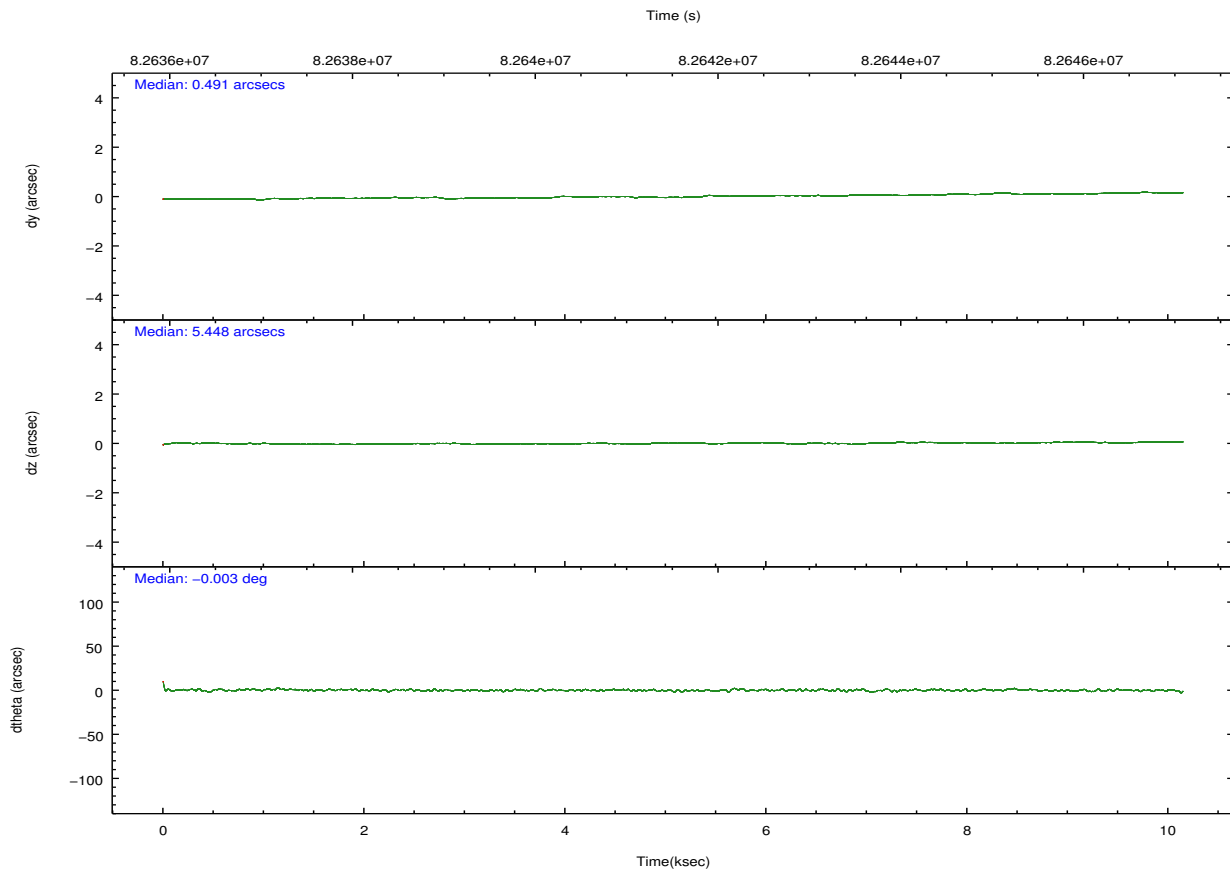
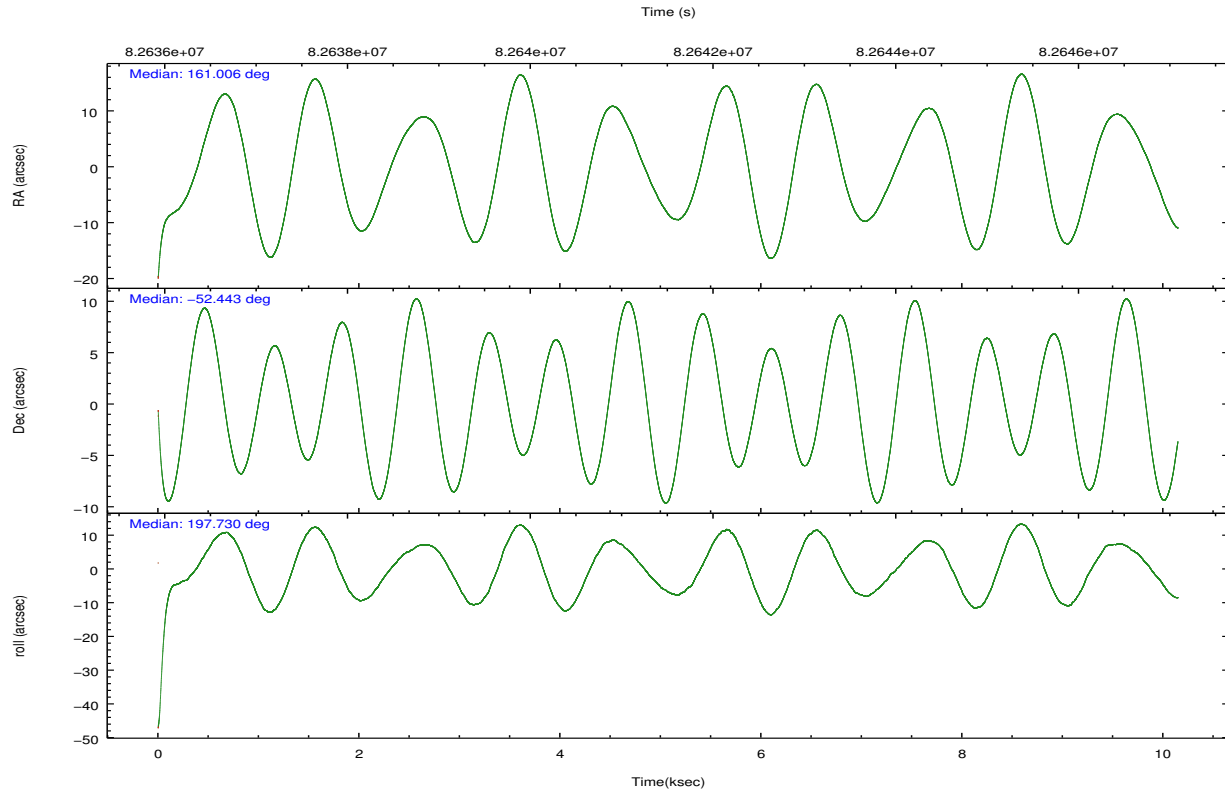
| | ccd 3 |
|----------------|--------------|
| grade 0 events | 2458 |
| | 10% |
| grade 1 events | 3 |
| | 0% |
| grade 2 events | 614 |
| | 2% |
| grade 3 events | 432 |
| | 1% |
| grade 4 events | 434 |
| | 1% |
| grade 5 events | 502 |
| | 2% |
| grade 6 events | 506 |
| | 2% |
| grade 7 events | 19020 |
| | 79% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|-----------------------|---------------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 7 | 7 |
| Detector | ACIS-3 | ACIS-3 | 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 |
| [deg] Pointing RA | 161.036497 | 161.005948974015 | Subarray requested | CUSTOM | 1/4 |
| [deg] Pointing Dec | -52.423192 | -52.44355664194441 | Subarray start row | 1 | 1 |
| [deg] Pointing Roll | 197.549820 | 197.7342570722173 | Subarray row count | 256 | 256 |
| [s] Window start time (MET) | 81475264.184000 | 81475264.184000 | Alternating exposures requested | N | N |
| [s] Window stop time (MET) | 85363264.184000 | 85363264.184000 | [s] Primary exposure time | 0.000000 | 0.8 |
| [mm] SIM focus pos | -0.782348 | -0.7809083437167272 | | | |
| [mm] SIM defocus | 0 | 0.001439871863259334 | | | |
| [mm] SIM translation stage pos | -233.592463 | -233.5874344608287 | | | |
| [mm] SIM translation stage offset | 0 | -0.005018542100998502 | | | |
| [s] Observation start time (MET) | 82636579.184000 | 82635523.83216999 | | | |
| Observation start date | 2000-08-14T10:35:15 | 2000-08-14T10:18:43 | | | |
| [s] Observation end time (MET) | 82646579.184000 | 82647171.932606 | | | |
| Observation end date | 2000-08-14T13:21:55 | 2000-08-14T13:32:51 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



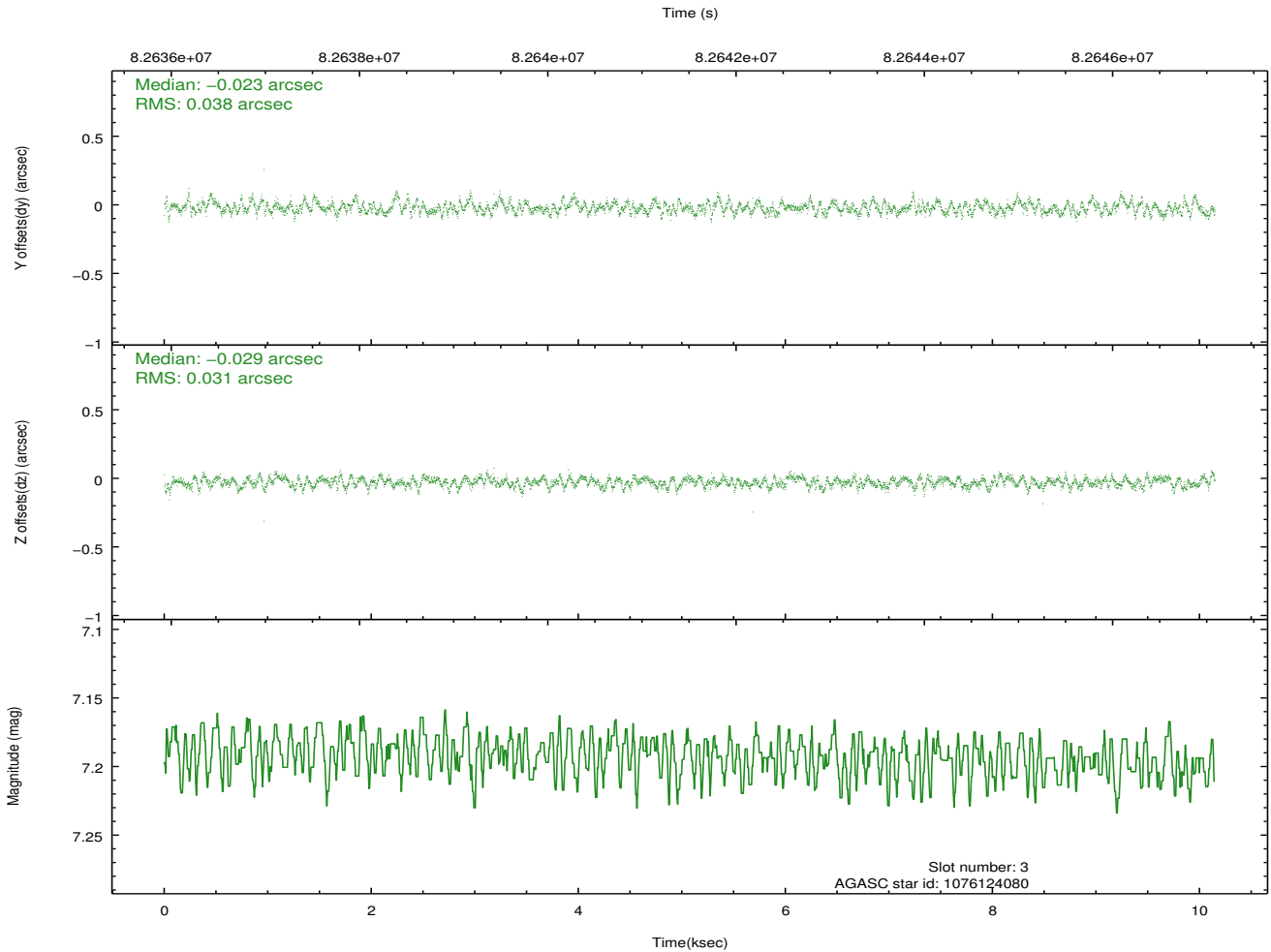
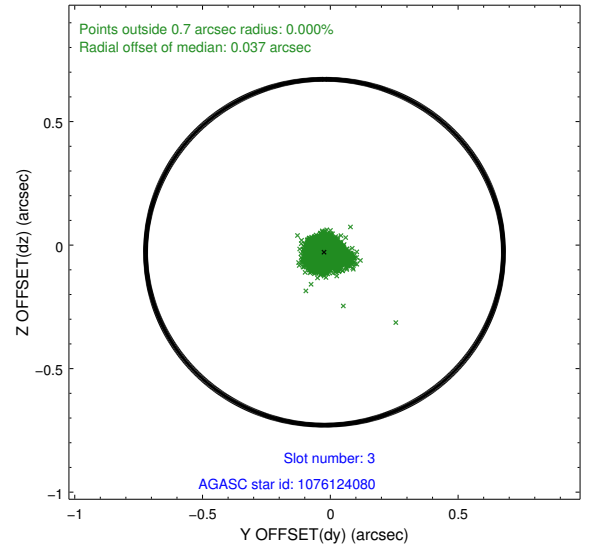
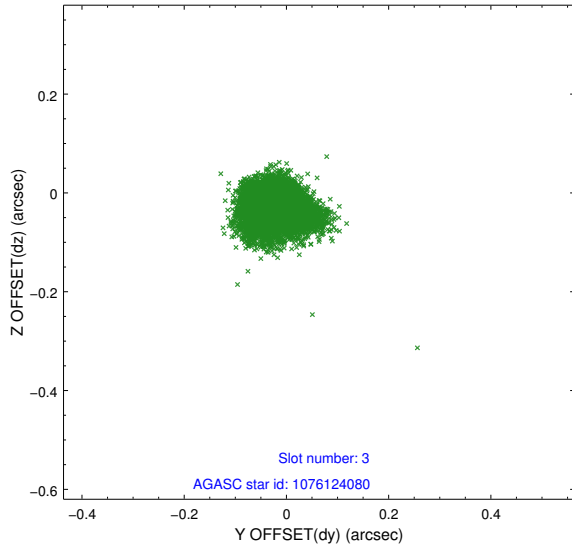


Slot Statistics

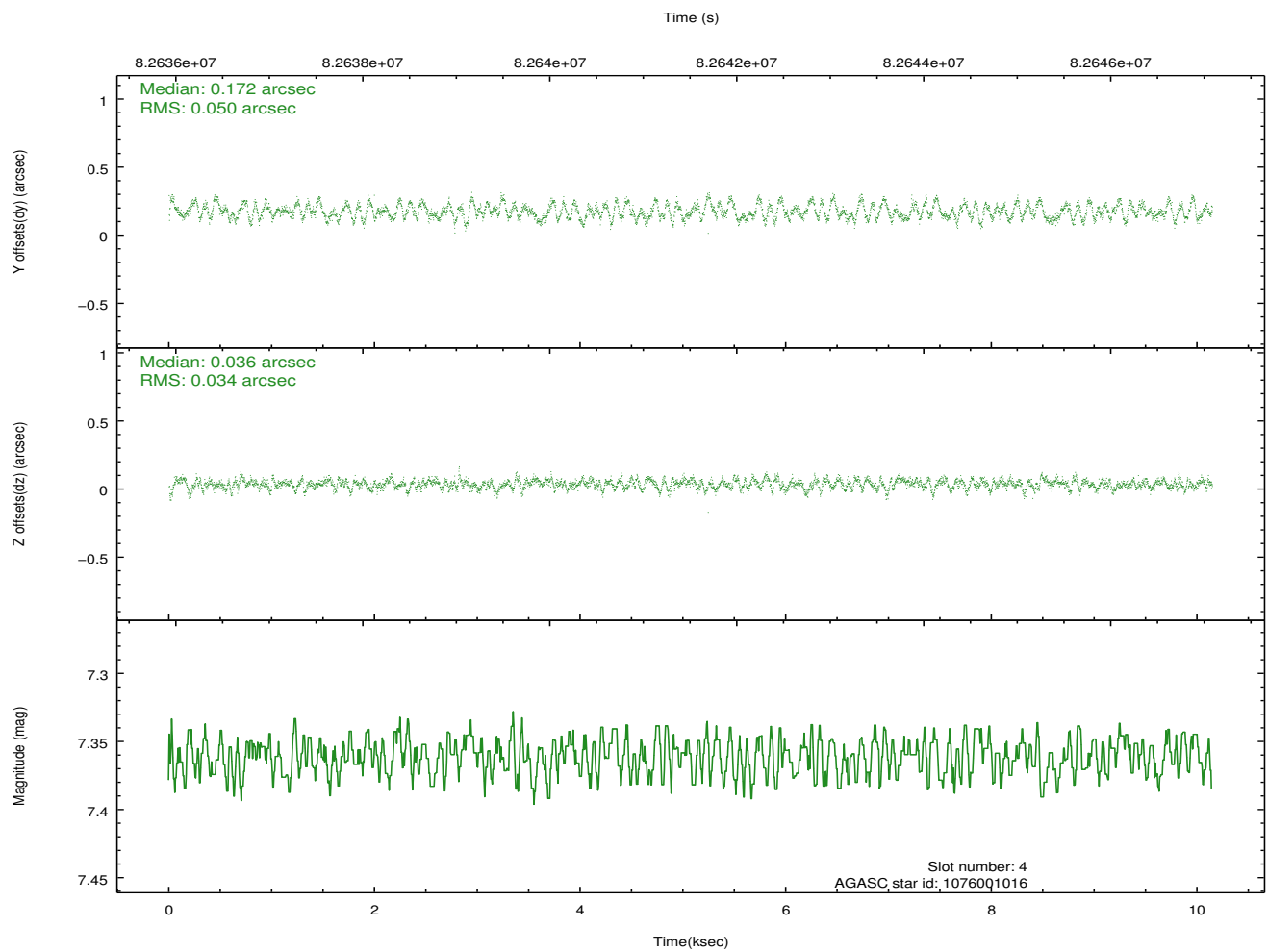
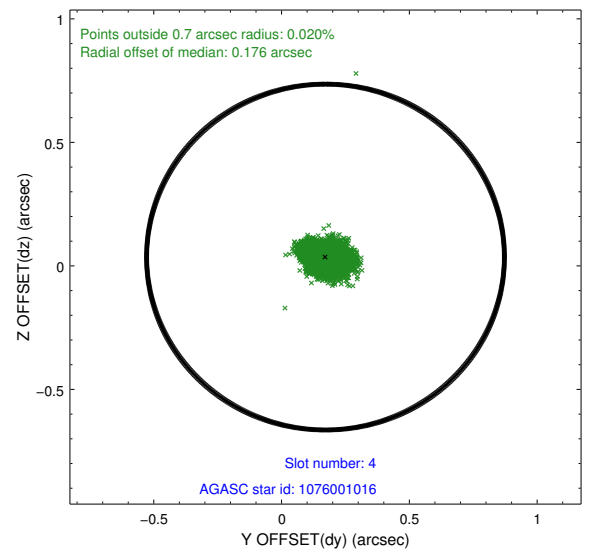
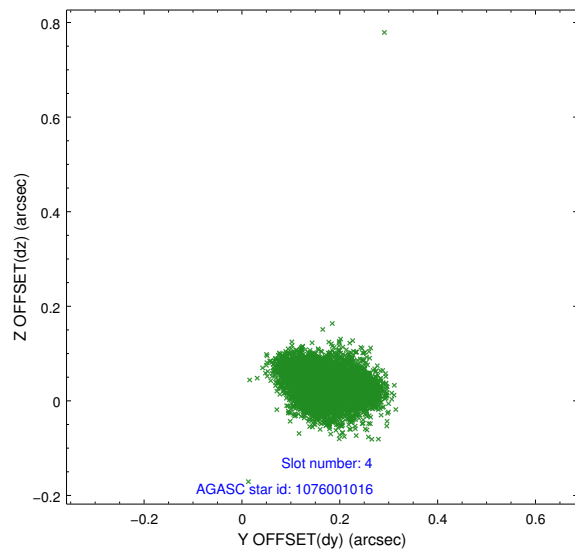
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | ACIS-I-2 | 7.15 | 2476 | -0.065 | -0.029 | 0.007 | 0.012 | 0.000000 | 0.000000 | -754.87 | -835.20 |
| 1 | FID | ACIS-I-4 | 7.18 | 2474 | -0.050 | 0.040 | 0.007 | 0.012 | 0.000000 | 0.000000 | 2158.96 | 1070.80 |
| 2 | FID | ACIS-I-6 | 7.26 | 2476 | 0.015 | 0.052 | 0.009 | 0.015 | 0.000000 | 0.000000 | 405.95 | 1713.58 |
| 3 | GUIDE | 1076124080 | 7.19 | 4950 | -0.023 | -0.029 | 0.052 | 0.083 | 161.981077 | -52.246099 | -2172.58 | 32.86 |
| 4 | GUIDE | 1076001016 | 7.36 | 4949 | 0.172 | 0.036 | 0.066 | 0.101 | 159.991259 | -52.284122 | 2049.23 | -1155.19 |
| 5 | GUIDE | 1076109992 | 7.51 | 4948 | -0.046 | 0.076 | 0.053 | 0.081 | 161.794927 | -51.972287 | -2089.46 | -1032.30 |
| 6 | GUIDE | 1129061864 | 6.63 | 4950 | -0.011 | -0.167 | 0.049 | 0.077 | 161.044031 | -53.093919 | 712.58 | 2307.04 |
| 7 | GUIDE | 1075992456 | 6.39 | 4949 | -0.091 | 0.086 | 0.043 | 0.071 | 160.261396 | -52.085782 | 1272.14 | -1665.55 |

2.4 Star Slots

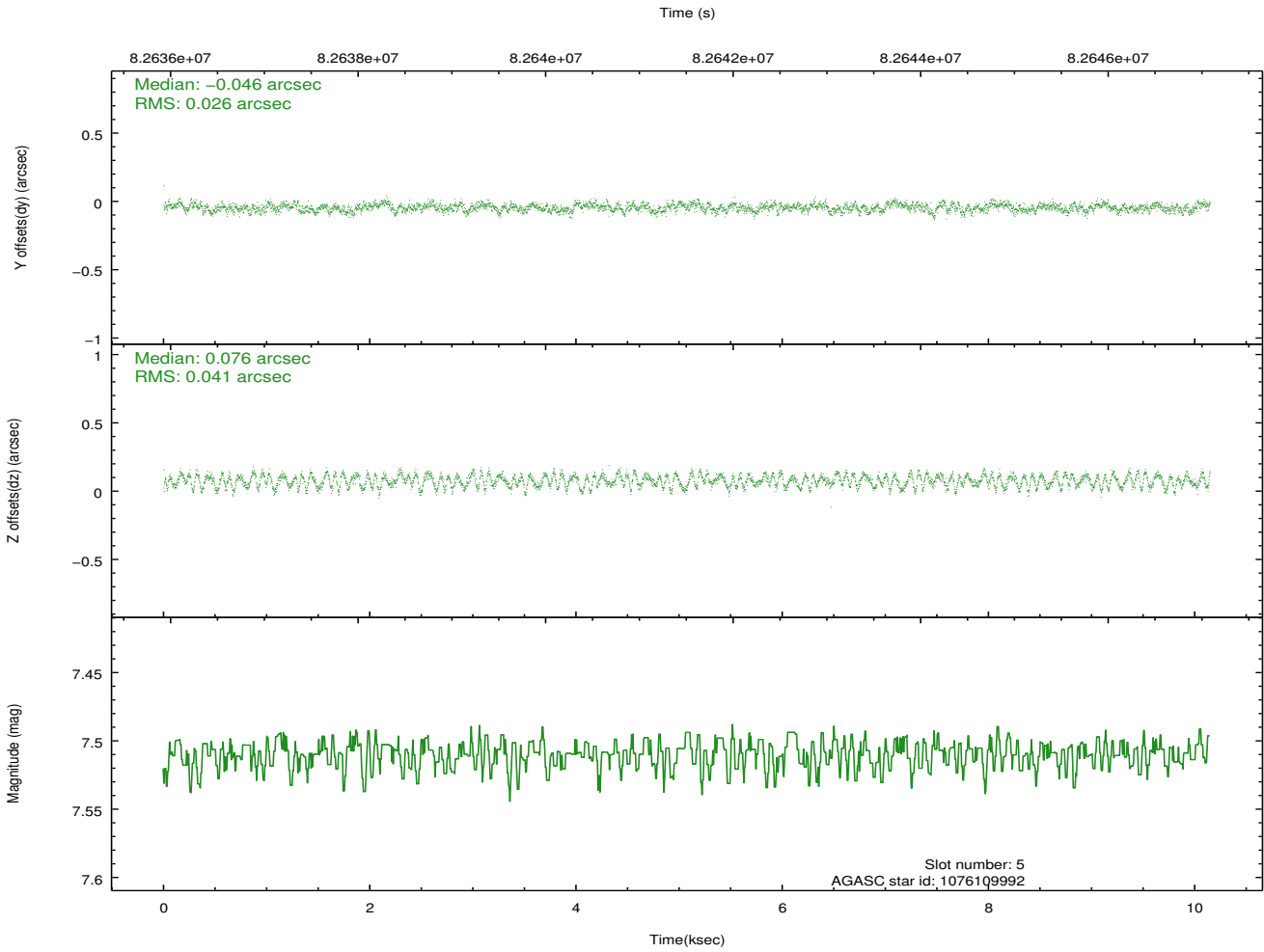
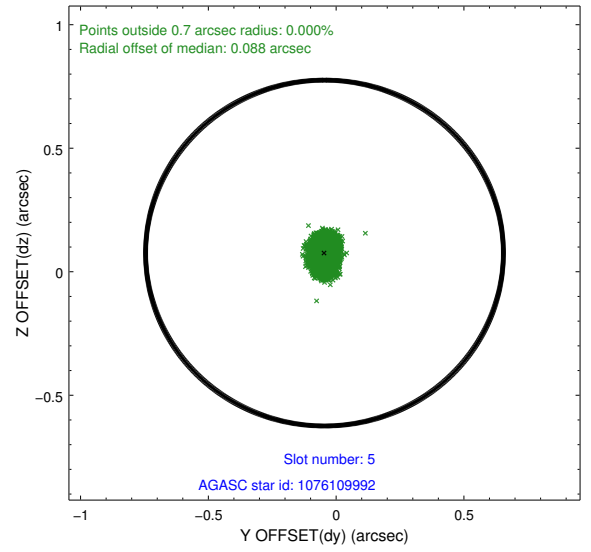
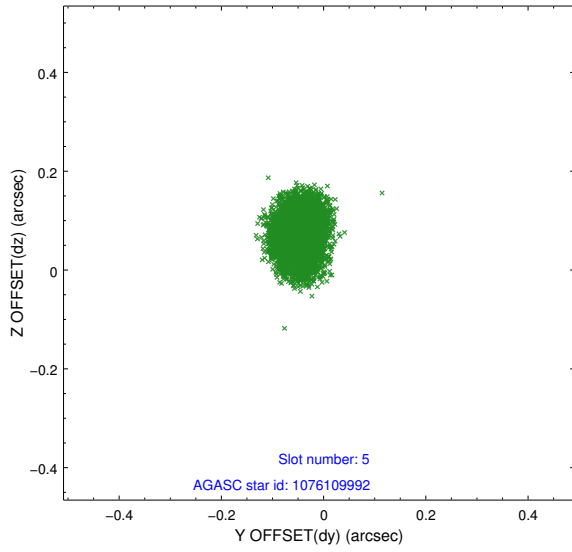
2.4.1 Slot 3



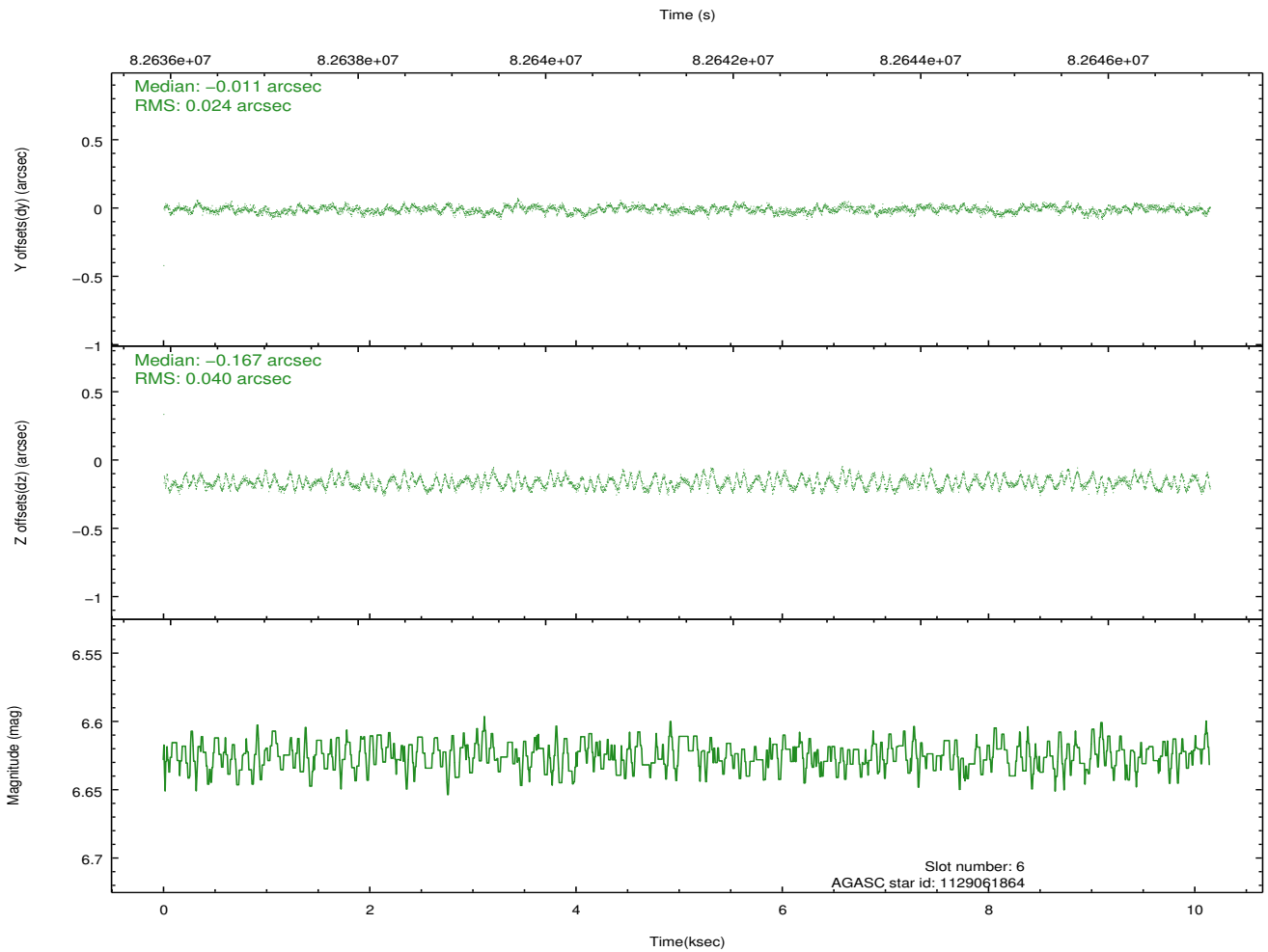
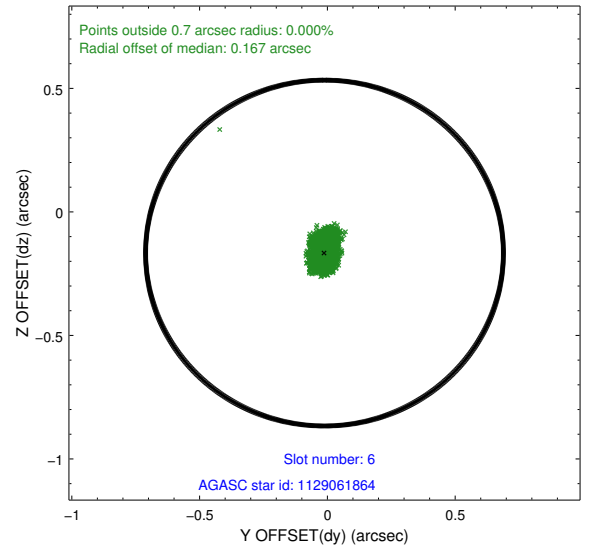
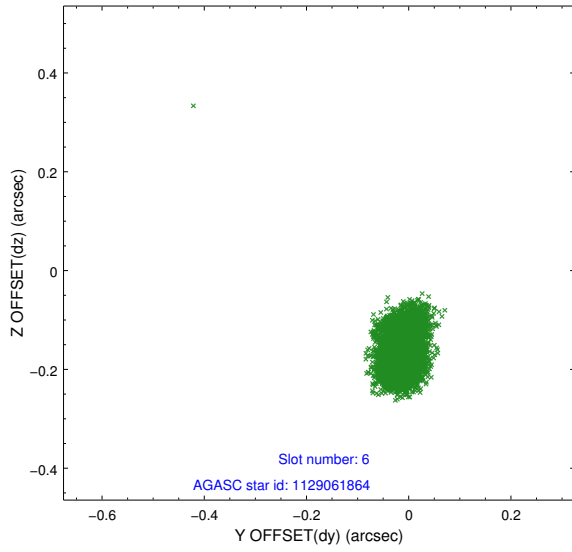
2.4.2 Slot 4



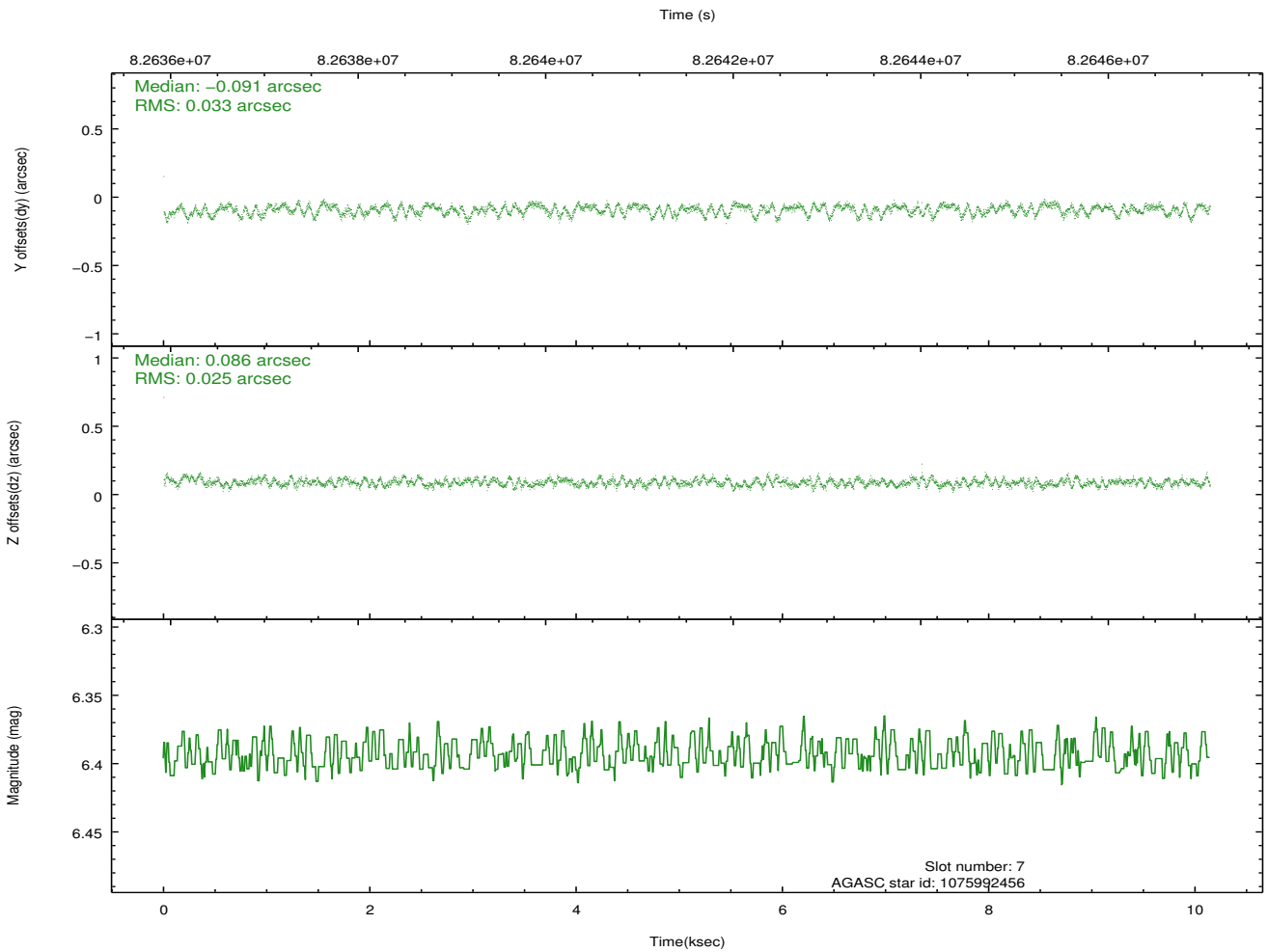
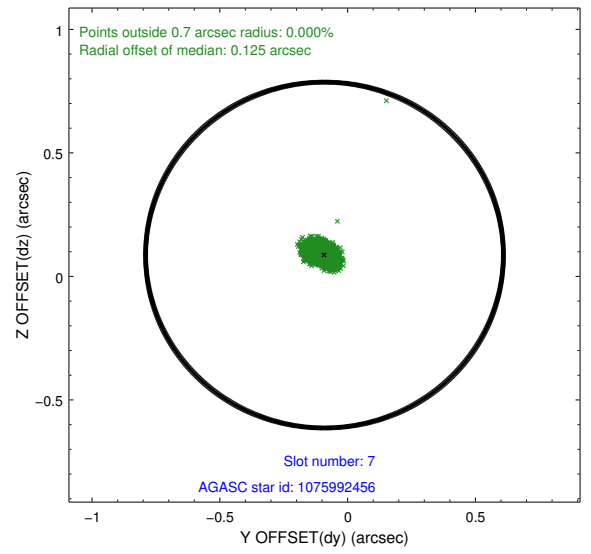
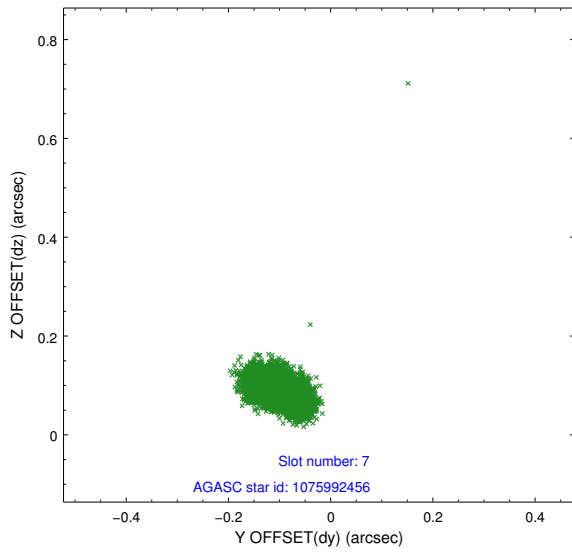
2.4.3 Slot 5



2.4.4 Slot 6

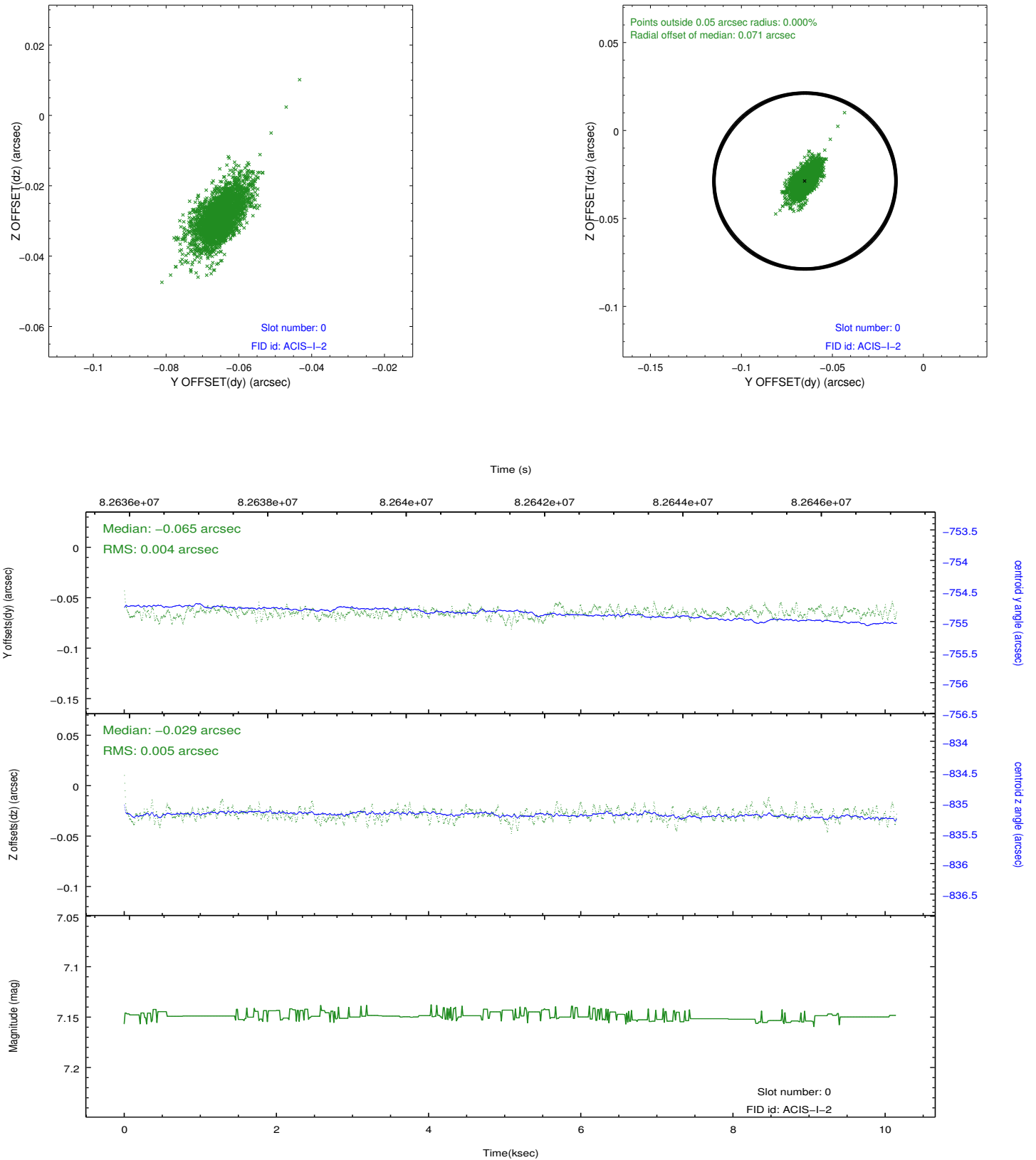


2.4.5 Slot 7

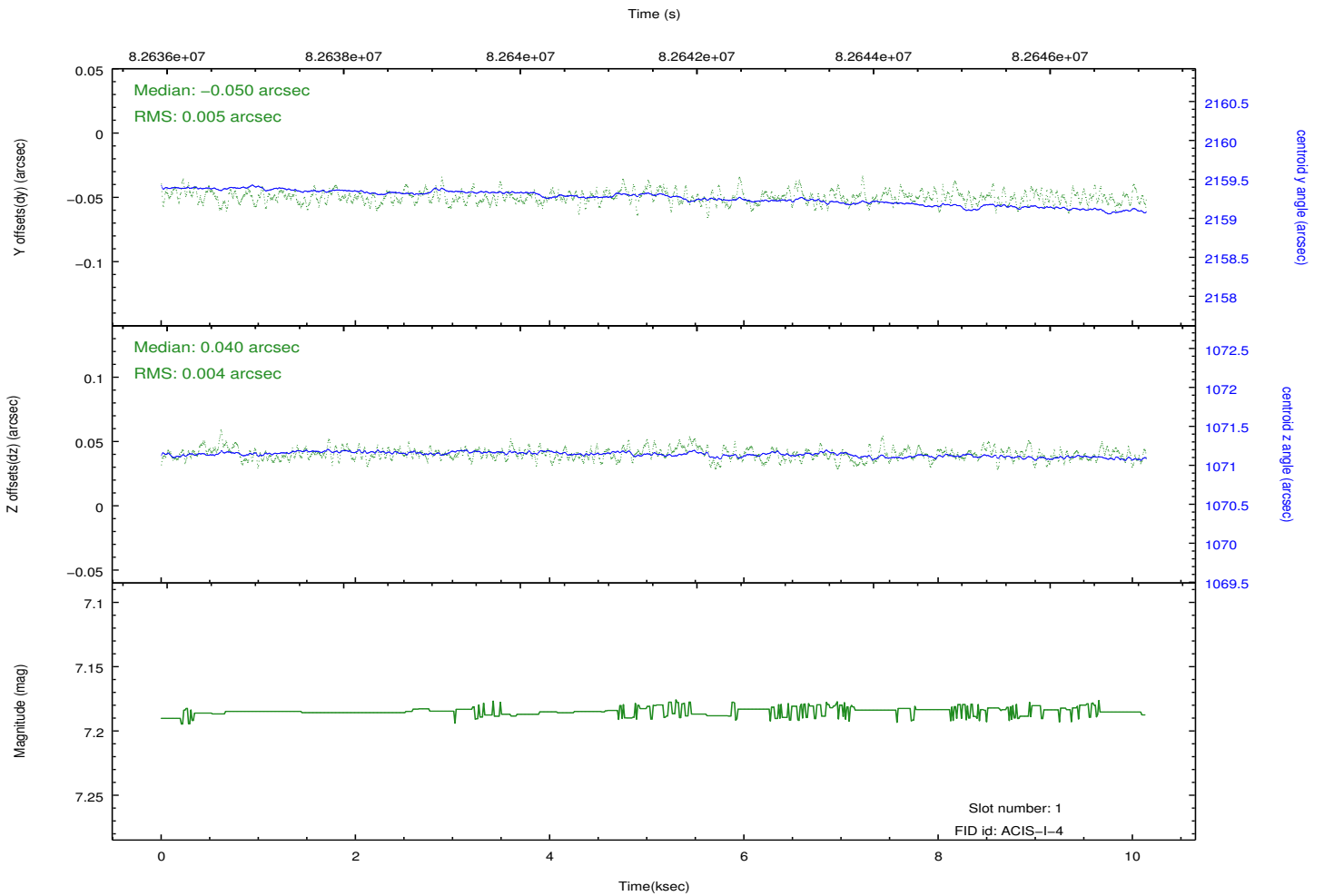
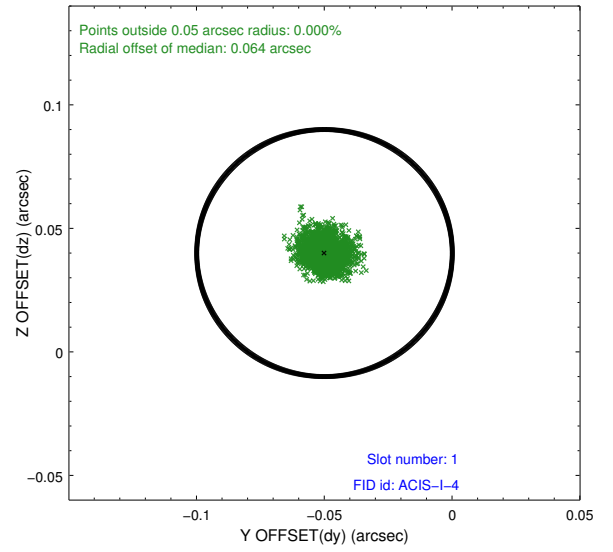
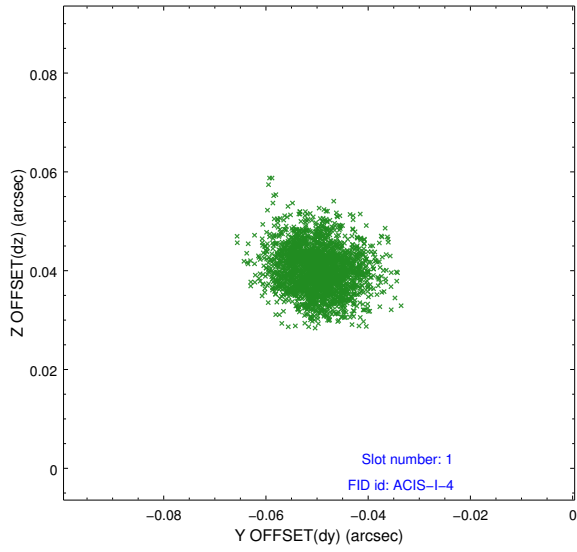


2.5 FID Slots

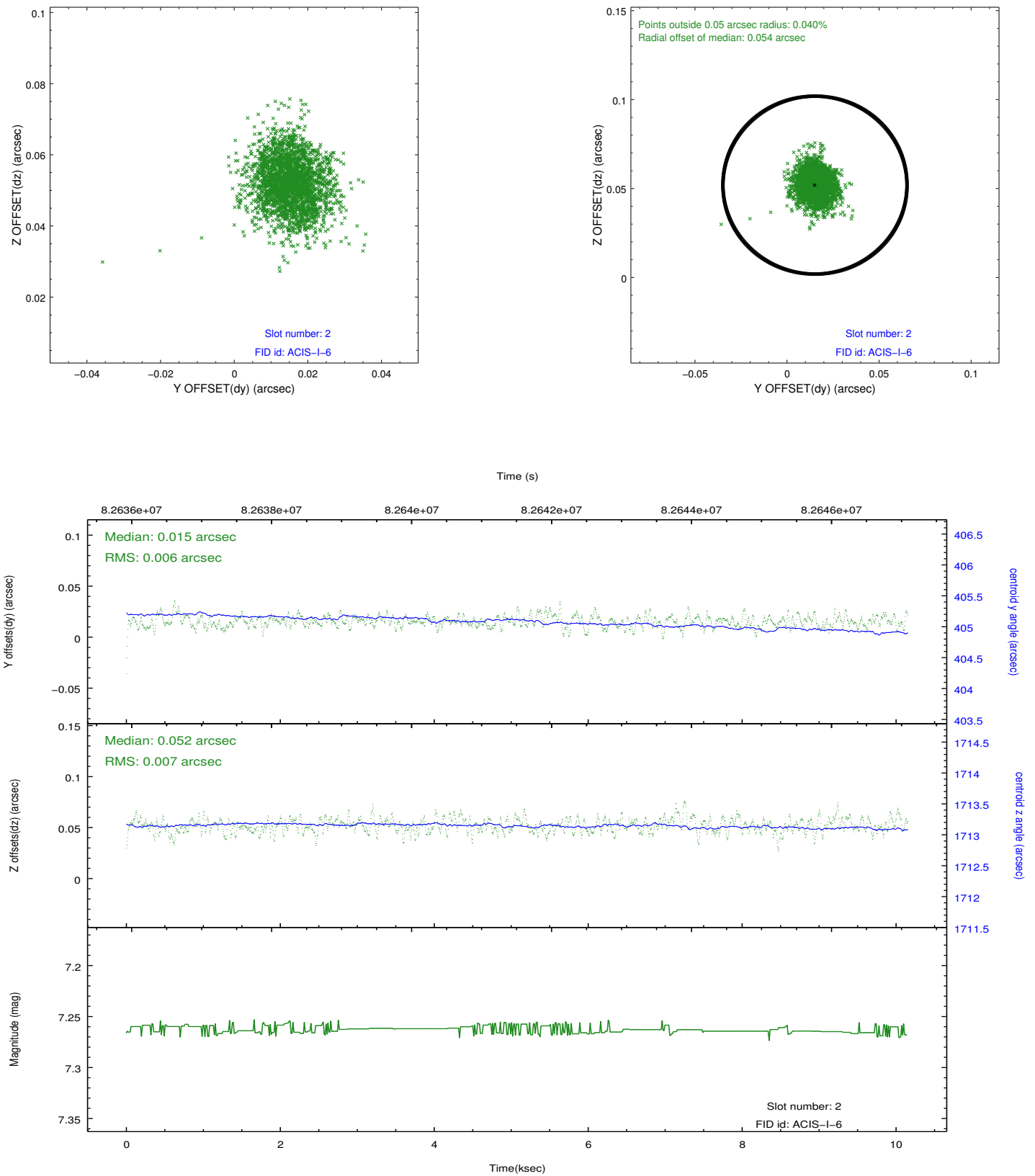
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2012.09.06 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 10.136 |

A.2 Comments

Window constraint met.