

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6779 - L2 Version 2
Chandra X-Ray Center

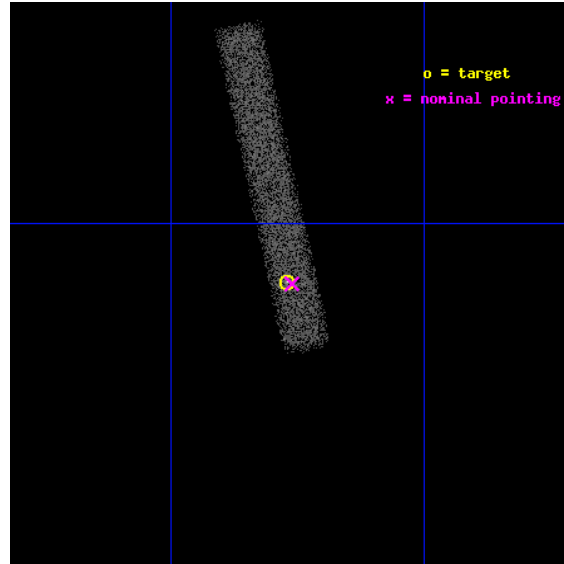
L2 Processing Date : Apr 4 2012

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1 Front

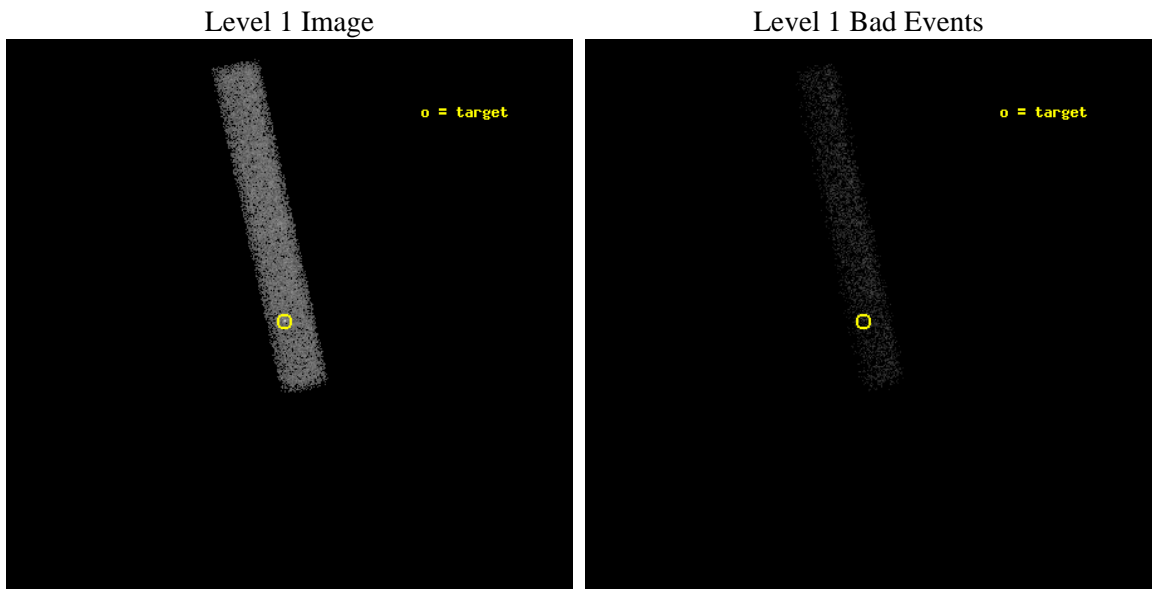
| | | |
|-----------|--|---|
| seq_num | 701197 | Sequence number |
| obs_id | 6779 | Observation id |
| title | Active Galactic Nuclei in nearby galaxies: a new view of the origin of the radio-loud radio-quiet dichotomy? | Proposal title |
| observer | Dr. Alessandro Capetti | Principal investigator |
| object | UGC5959 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 162.8175 | Observer's specified target RA [deg] |
| dec_targ | 27.975 | Observer's specified target Dec [deg] |
| ra_nom | 162.8153086892 | Nominal RA [deg] |
| dec_nom | 27.974124390378 | Nominal Dec [deg] |
| roll_nom | 257.53208732442 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 15111.600225151 | Sum of GTIs [s] |
| liveltime | 13705.423748549 | Livetime [s] |
| ontime7 | 15111.600225151 | Sum of GTIs [s] |
| l2events | 11745 | Number of level 2 events |



2 OBI

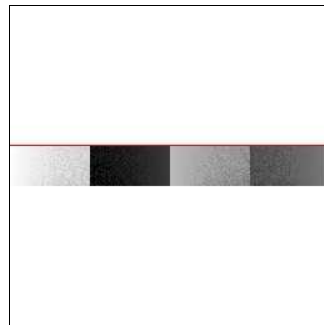
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|---|
| obi_num | 0 | Obi number | sched_exp_time | 15000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.3 | Processing system revision | ontime | 15111.600225151 | Sum of GTIs [s] |
| caldbver | 4.4.9 | | ontime7 | 15111.600225151 | Sum of GTIs [s] |
| date | 2012-04-04T00:52:18 | Date and time of file creation | l1events | 27997 | Number of level 1 events |
| revision | 2 | Processing version of data | | | |

2.1.4 Events

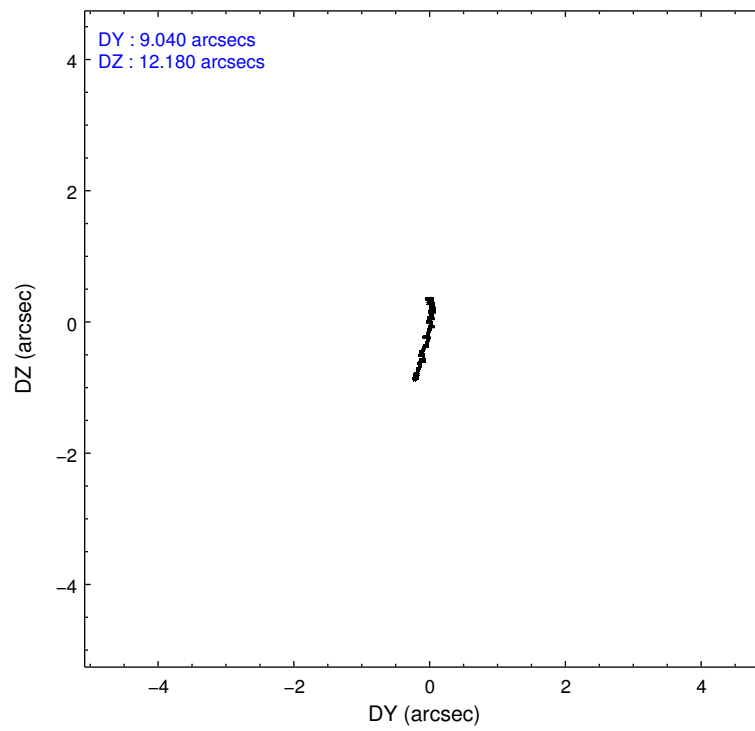
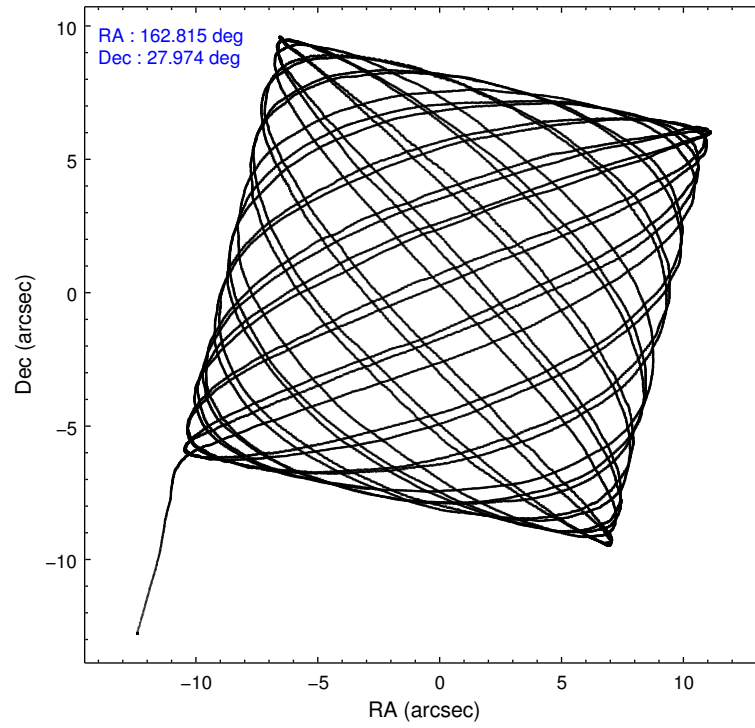
| | ccd 7 |
|-----------------|--------------|
| level 1 events | 27997 |
| rejected events | 15801 |
| rejected % | 56% |

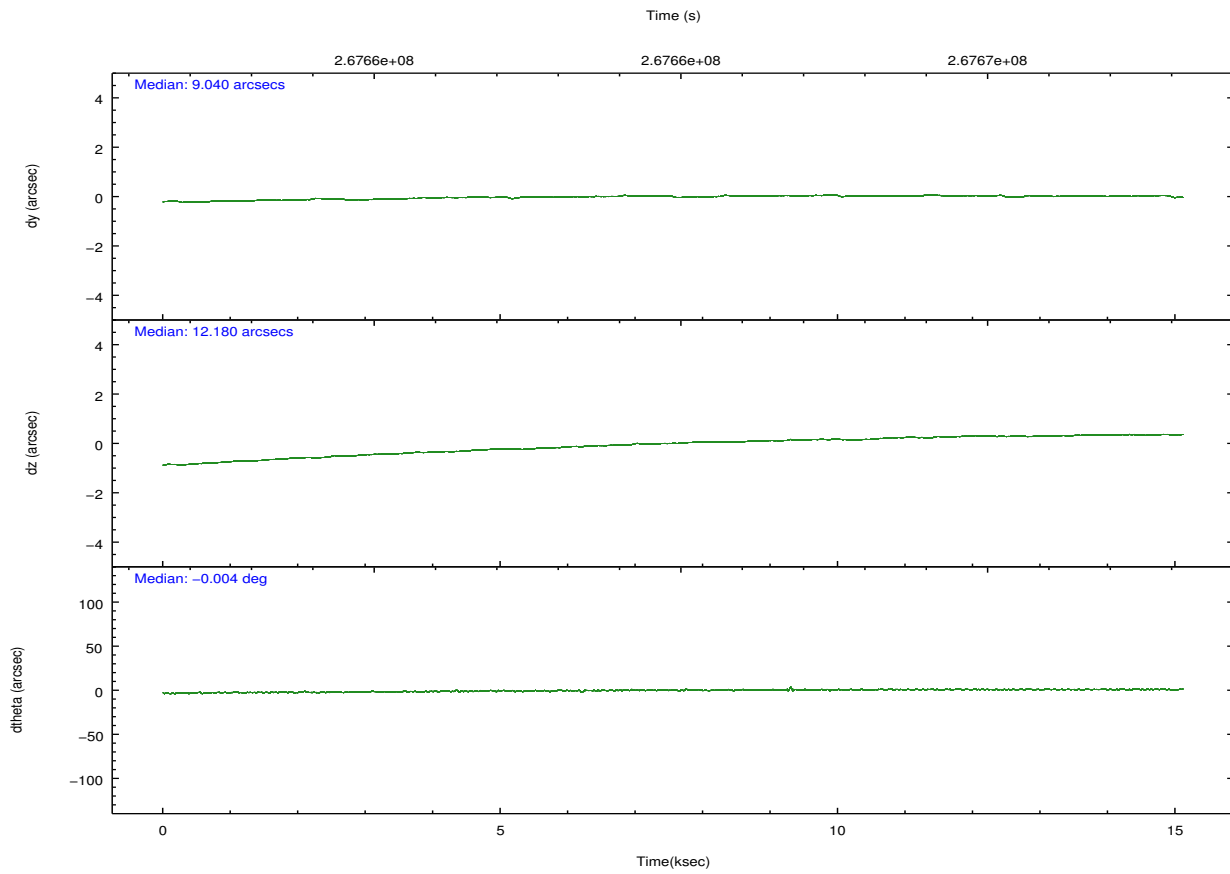
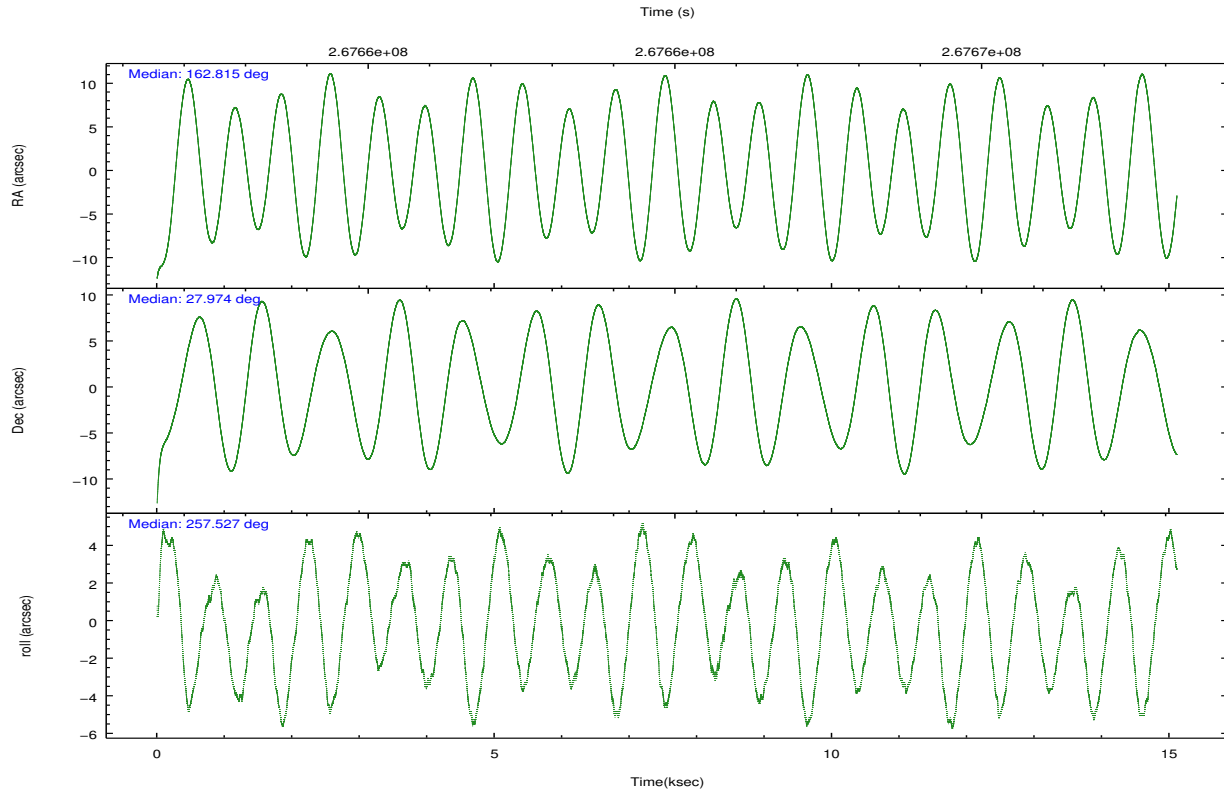
| | ccd 7 |
|----------------|--------------|
| grade 0 events | 1469 |
| | 5% |
| grade 1 events | 41 |
| | 0% |
| grade 2 events | 2713 |
| | 9% |
| grade 3 events | 1654 |
| | 5% |
| grade 4 events | 1635 |
| | 5% |
| grade 5 events | 2621 |
| | 9% |
| grade 6 events | 5885 |
| | 21% |
| grade 7 events | 11979 |
| | 42% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 7 | 7 |
| Detector | ACIS-7 | ACIS-7 | 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 | 162.805666 | 162.8153086892027 | Subarray requested | CUSTOM | 1/8 |
| [deg] Pointing Dec | 28.000000 | 27.97412439037813 | Subarray start row | 449 | 449 |
| [deg] Pointing Roll | 257.379992 | 257.5320873244199 | Subarray row count | 128 | 128 |
| [mm] SIM focus pos | -0.684267 | -0.6828225247311905 | Alternating exposures requested | N | N |
| [mm] SIM defocus | 0 | 0.001444936568705701 | [s] Primary exposure time | 0.000000 | 0.4 |
| [mm] SIM translation stage pos | -190.132523 | -190.1400660498719 | | | |
| [mm] SIM translation stage offset | 0 | 0.00754346686406393 | | | |
| [s] Observation start time (MET) | 267657431.184000 | 267655867.83579 | | | |
| Observation start date | 2006-06-25T21:16:06 | 2006-06-25T20:51:07 | | | |
| [s] Observation end time (MET) | 267672431.184000 | 267673685.41163 | | | |
| Observation end date | 2006-06-26T01:26:06 | 2006-06-26T01:48:05 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



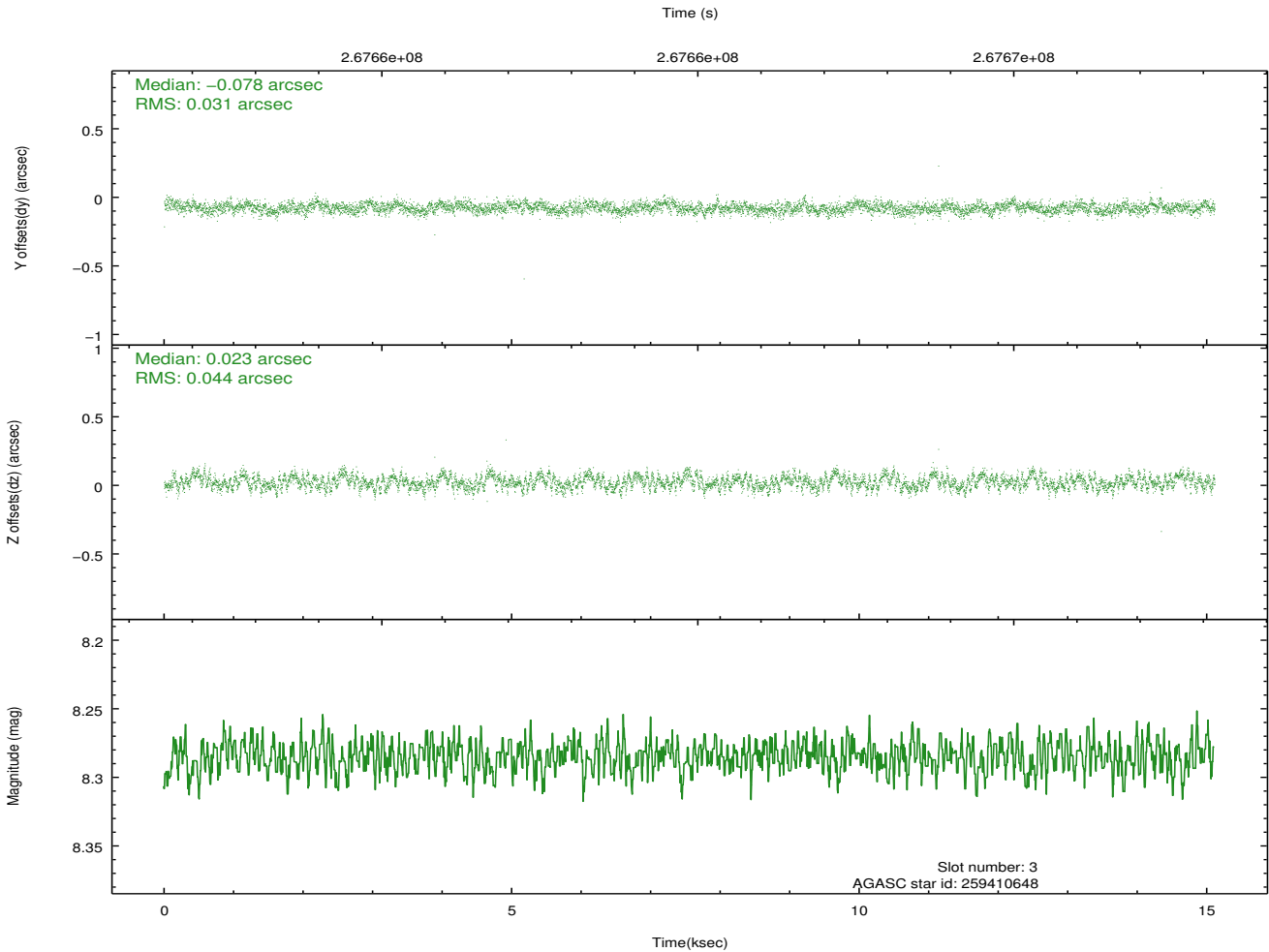
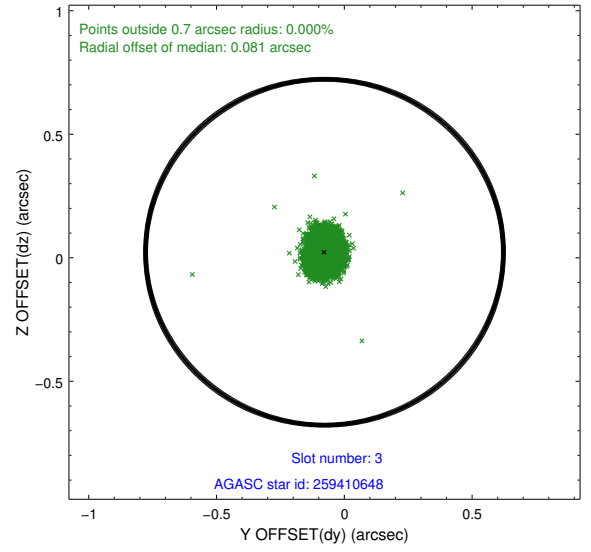
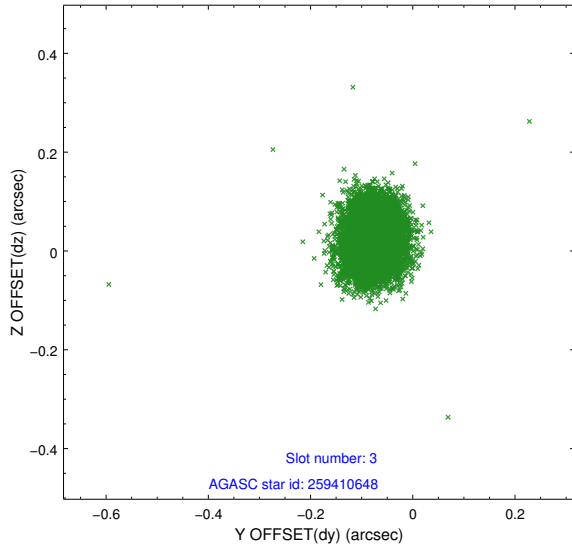


Slot Statistics

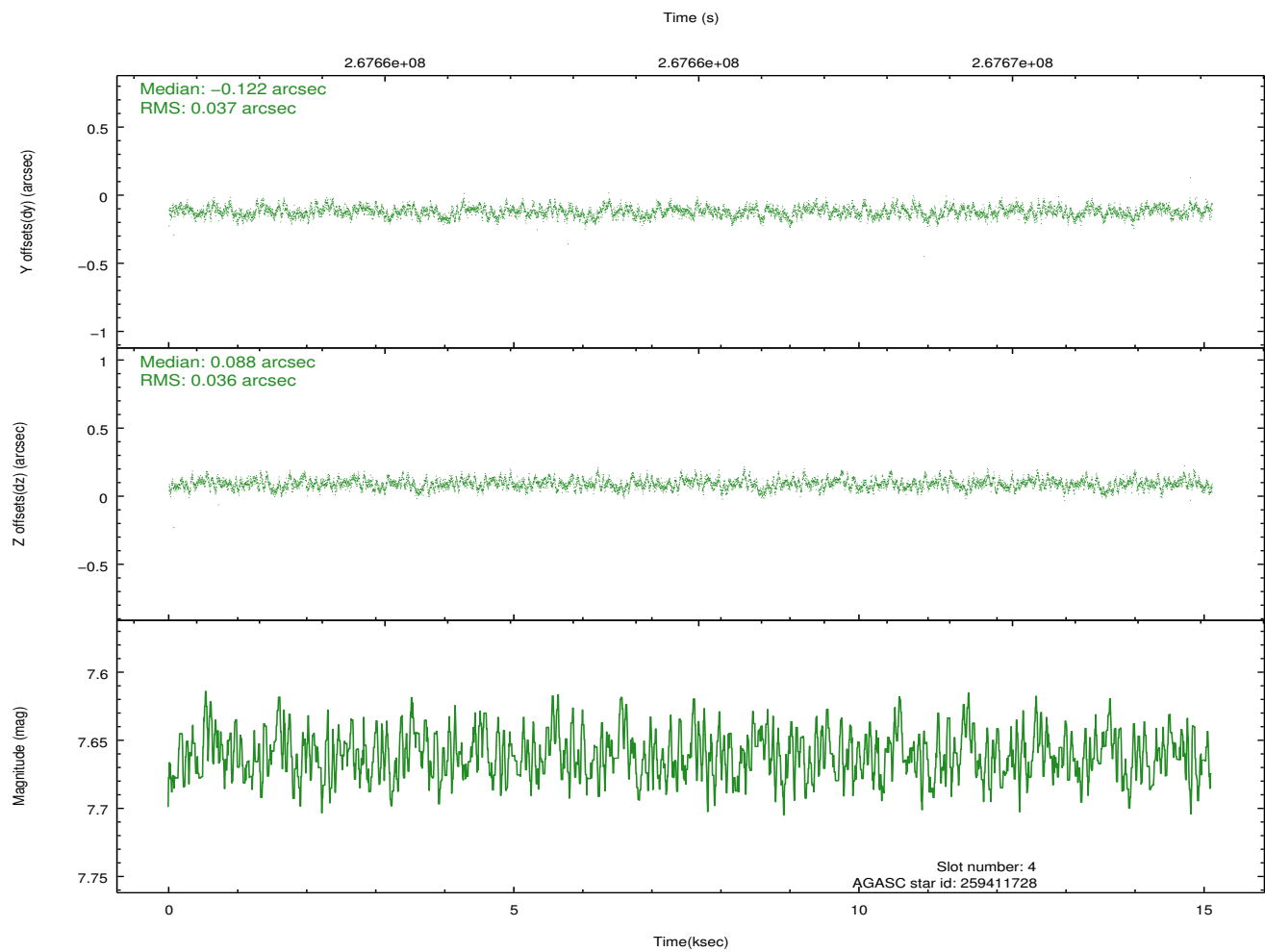
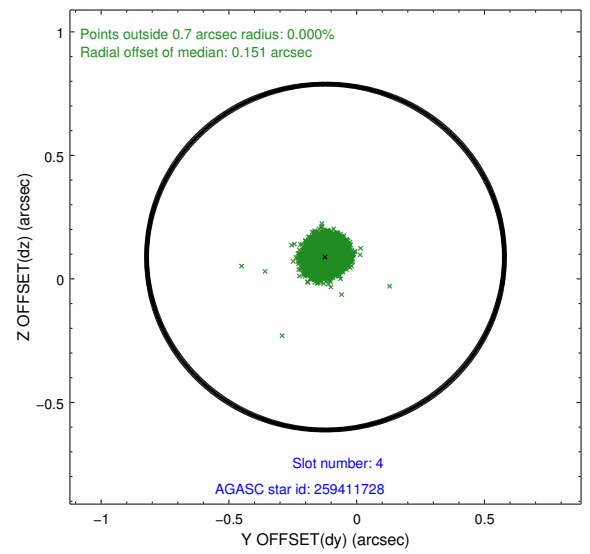
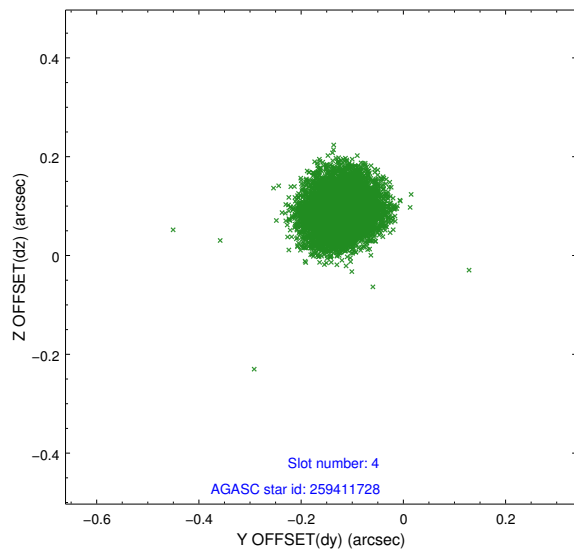
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.11 | 3686 | -0.015 | -0.033 | 0.013 | 0.023 | 0.000000 | 0.000000 | -761.84 | -1733.42 |
| 1 | FID | ACIS-S-4 | 7.20 | 3686 | 0.132 | 0.016 | 0.006 | 0.011 | 0.000000 | 0.000000 | 2151.46 | 174.79 |
| 2 | FID | ACIS-S-5 | 7.23 | 3687 | -0.148 | 0.026 | 0.012 | 0.023 | 0.000000 | 0.000000 | -1814.42 | 168.82 |
| 3 | GUIDE | 259410648 | 8.28 | 7372 | -0.078 | 0.023 | 0.057 | 0.091 | 162.608776 | 28.124892 | -302.46 | -708.09 |
| 4 | GUIDE | 259411728 | 7.66 | 7373 | -0.122 | 0.088 | 0.056 | 0.088 | 163.203533 | 27.865203 | 194.70 | 1341.30 |
| 5 | GUIDE | 259411776 | 9.26 | 7369 | 0.182 | -0.141 | 0.092 | 0.148 | 162.707461 | 27.516063 | 1768.80 | 75.28 |
| 6 | GUIDE | 259412096 | 6.27 | 7373 | -0.021 | -0.063 | 0.069 | 0.105 | 162.473859 | 27.973946 | 320.97 | -1009.15 |
| 7 | GUIDE | 259412536 | 8.73 | 7368 | 0.034 | 0.091 | 0.068 | 0.110 | 162.927761 | 27.296635 | 2385.74 | 934.77 |

2.4 Star Slots

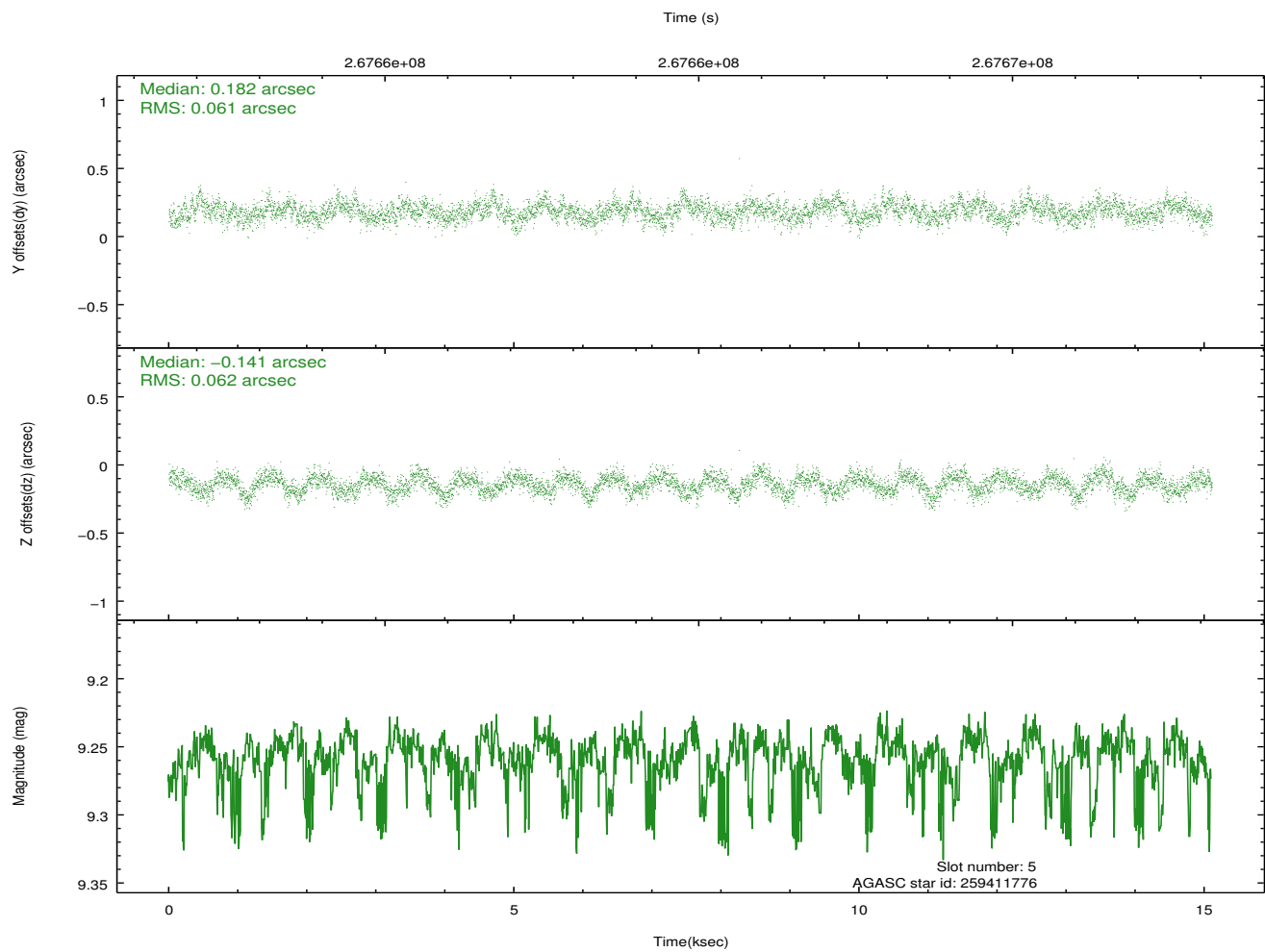
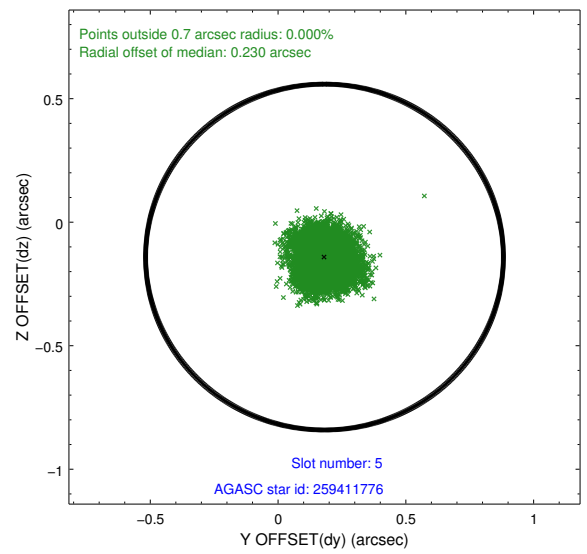
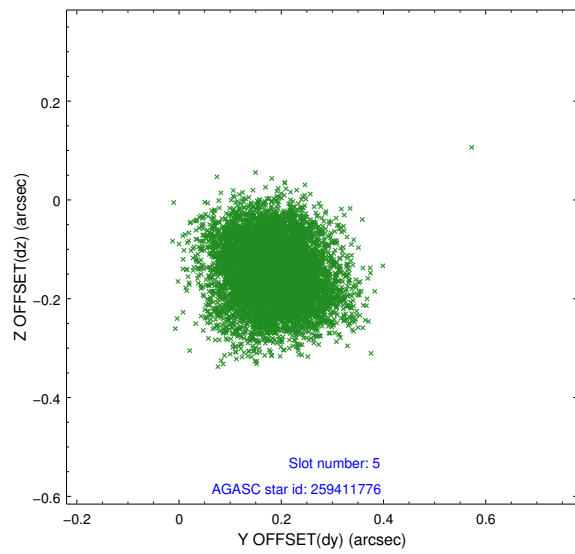
2.4.1 Slot 3



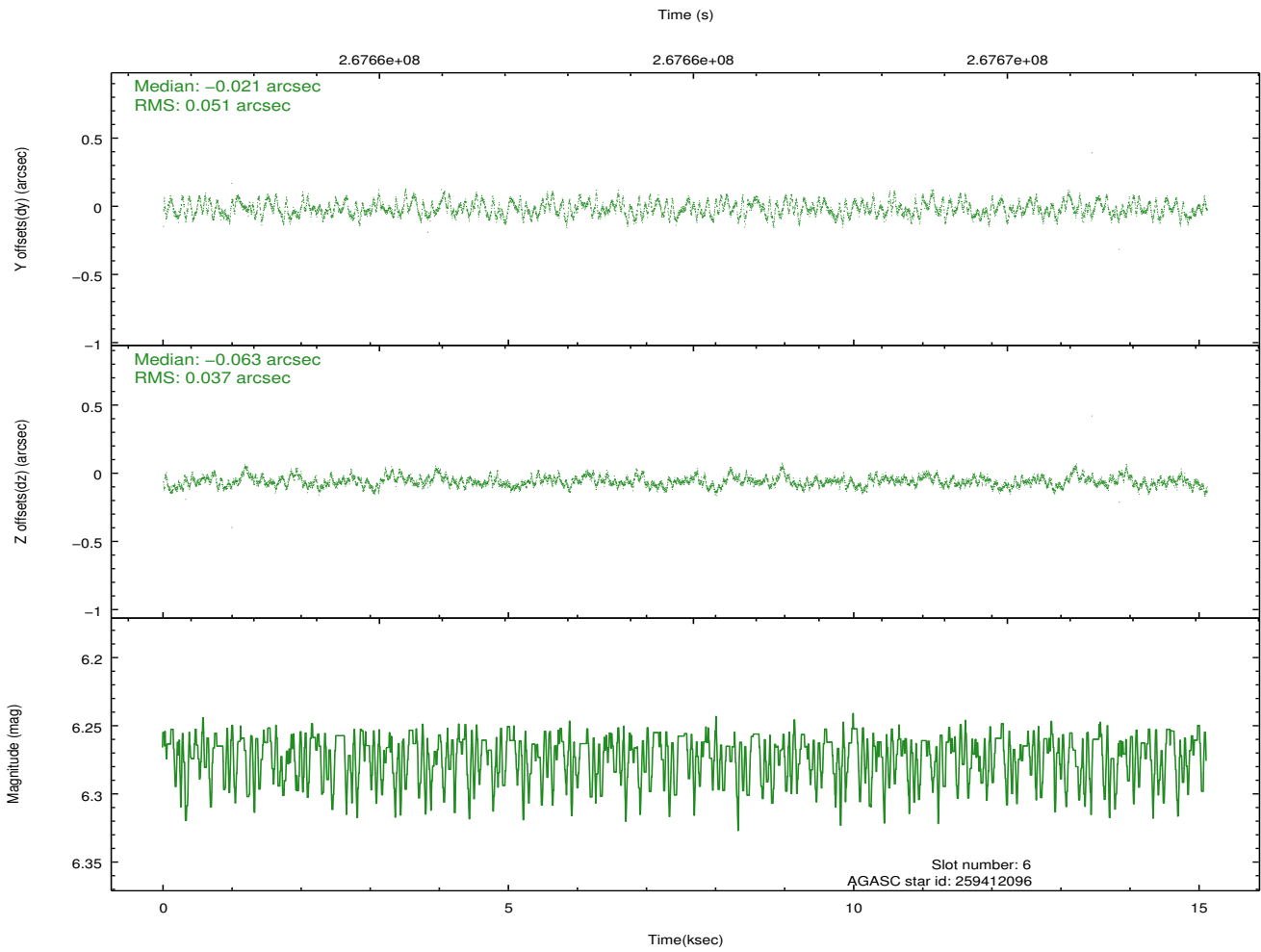
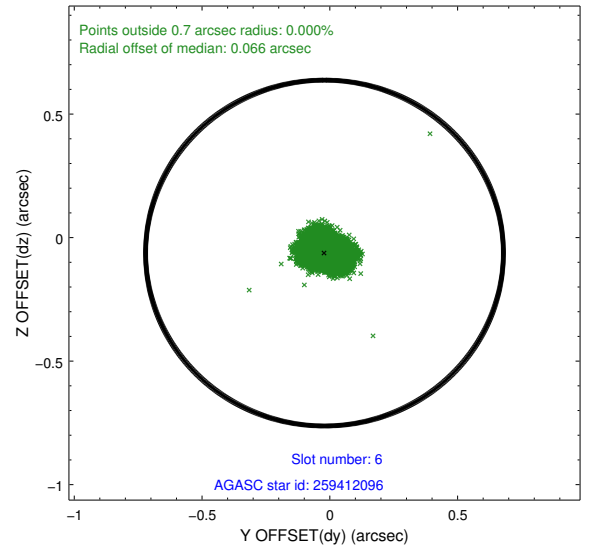
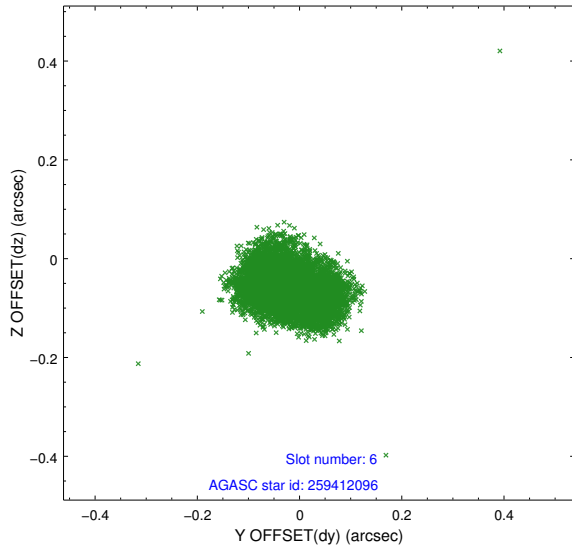
2.4.2 Slot 4



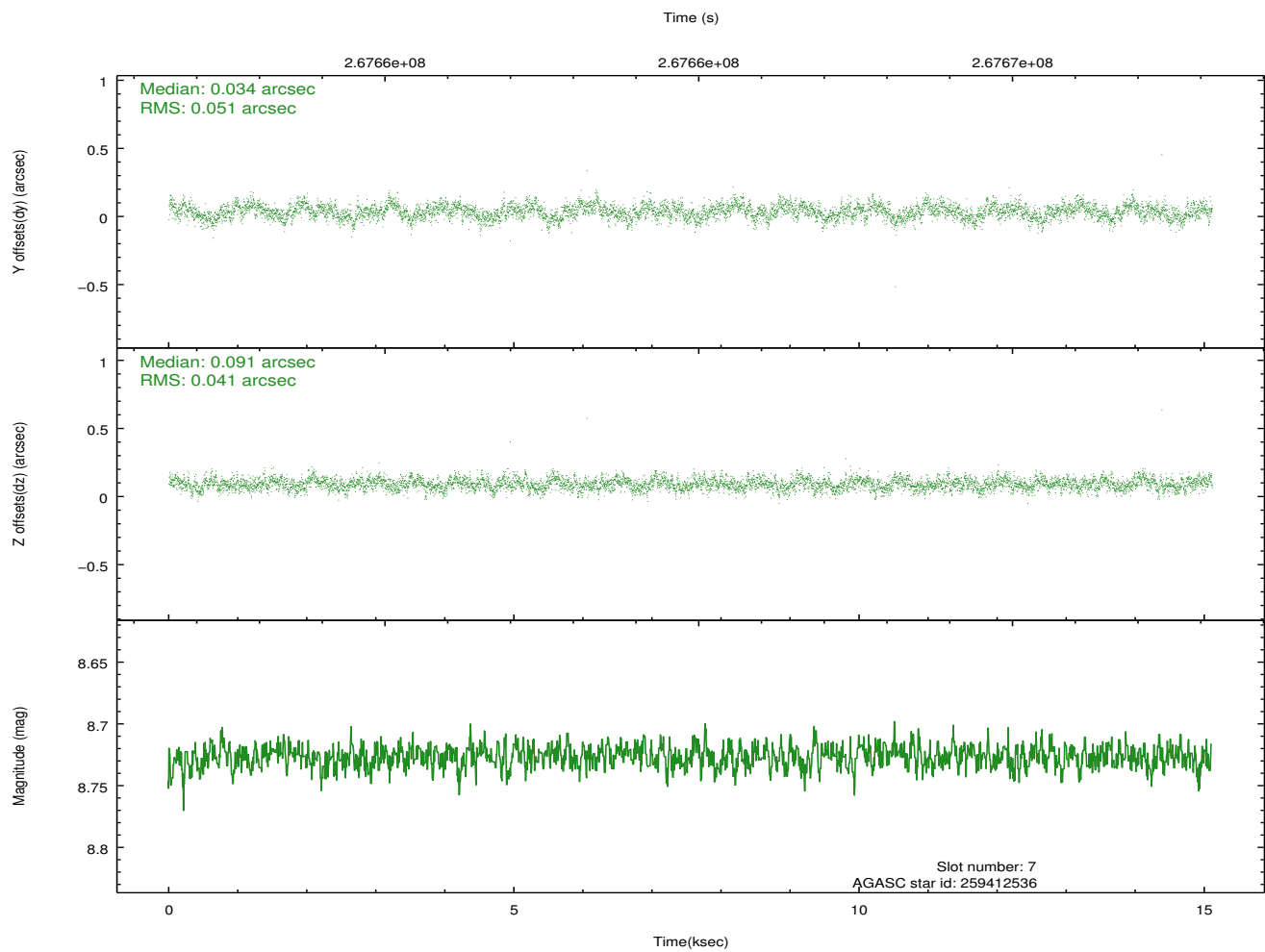
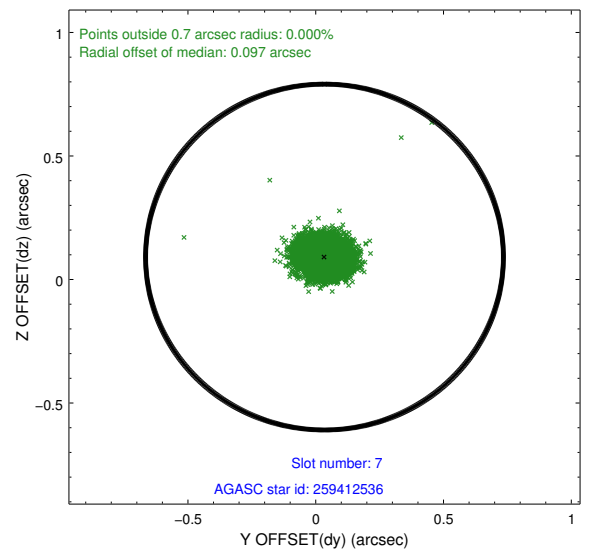
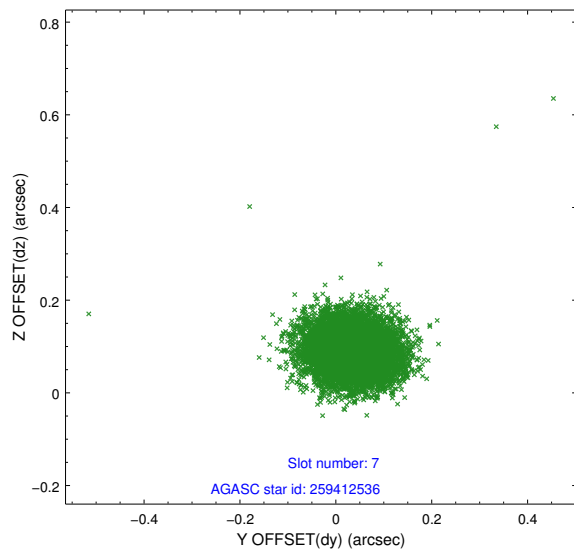
2.4.3 Slot 5



2.4.4 Slot 6

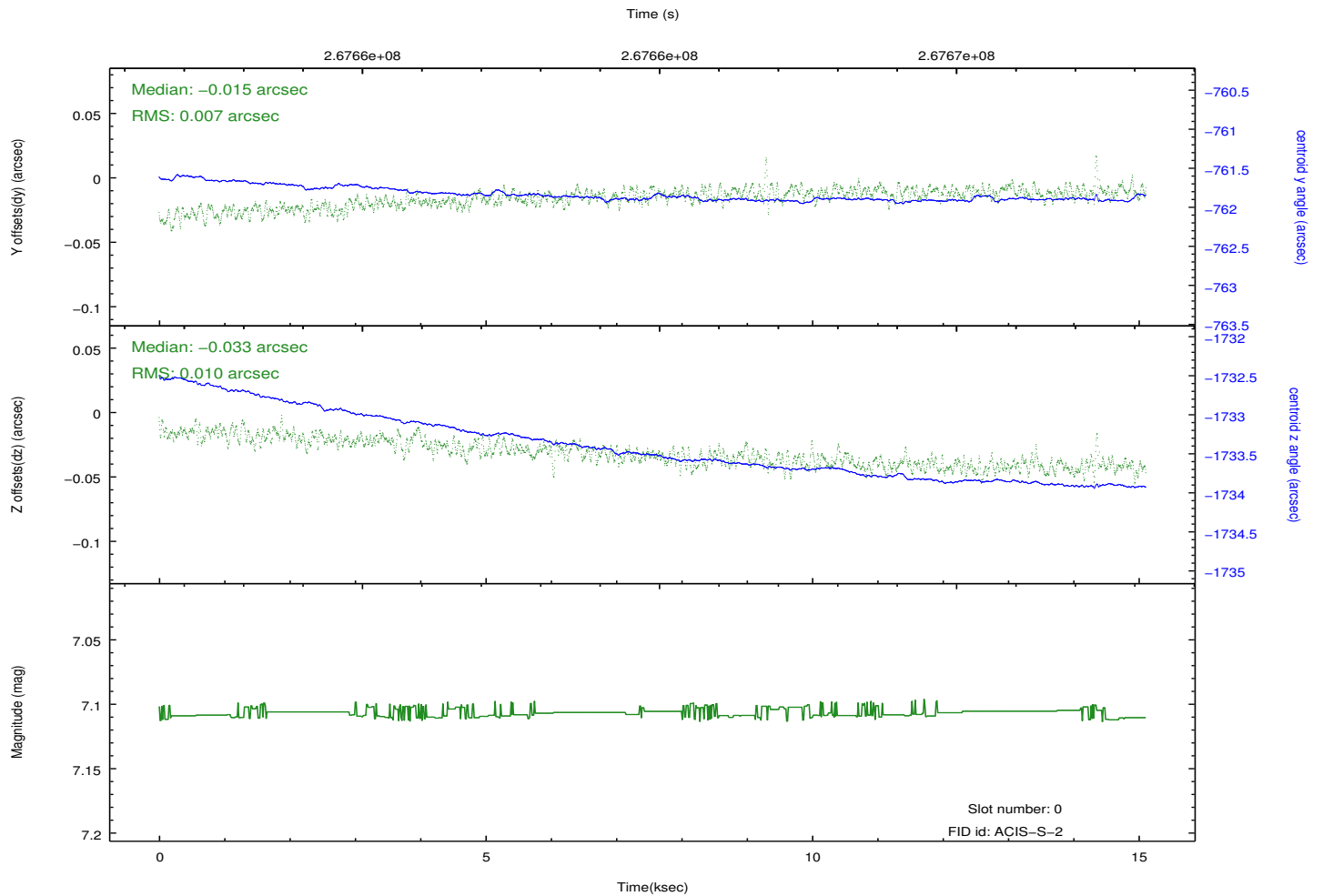
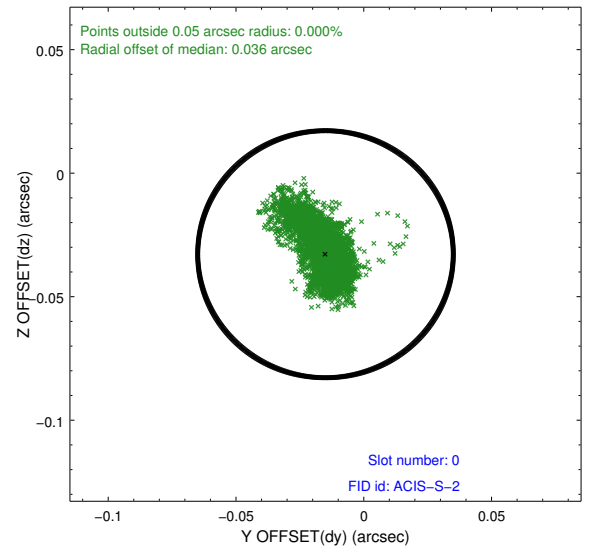
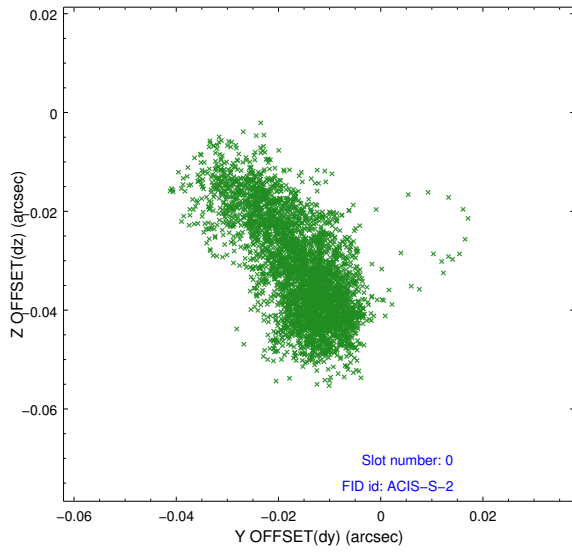


2.4.5 Slot 7

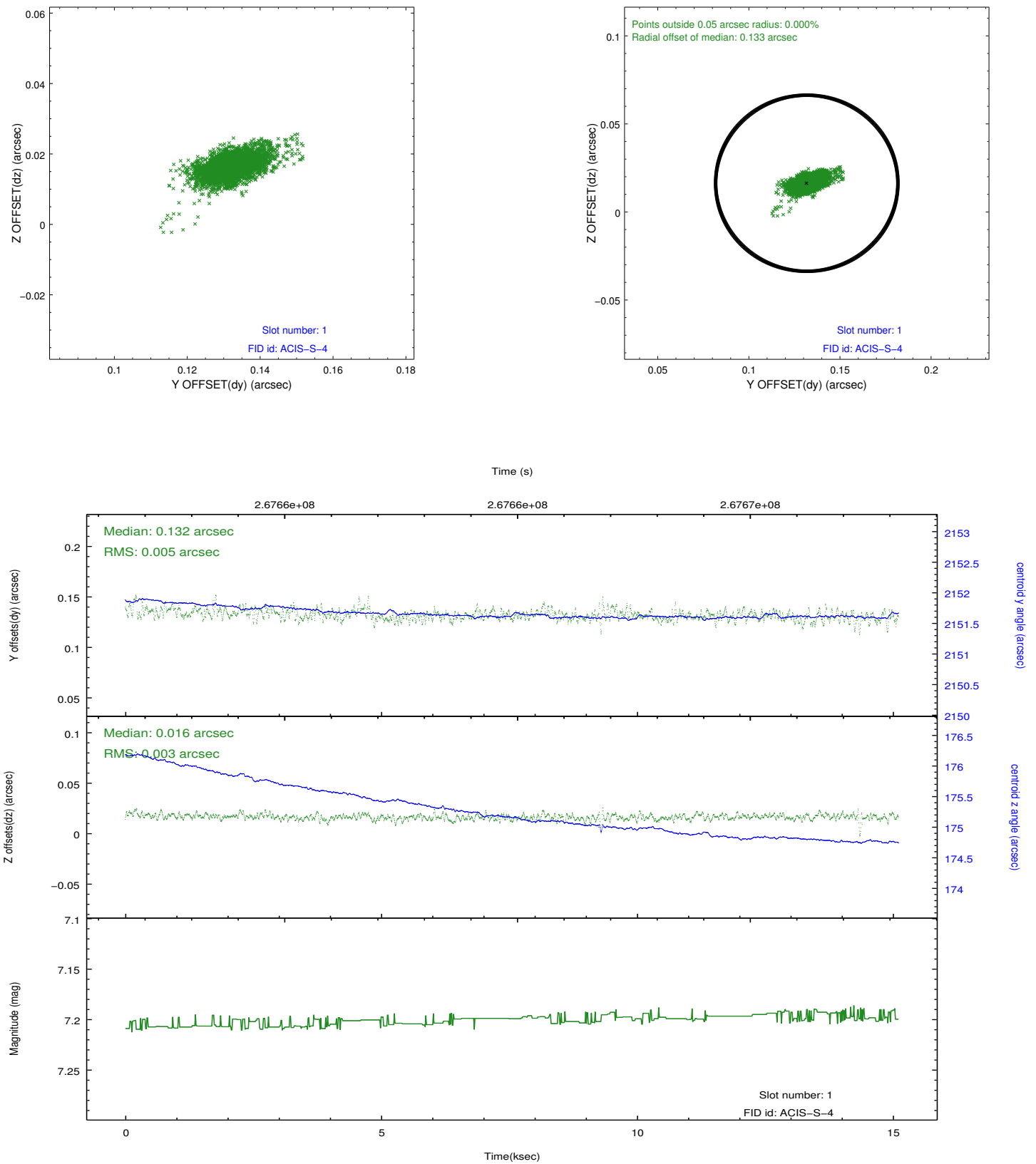


2.5 FID Slots

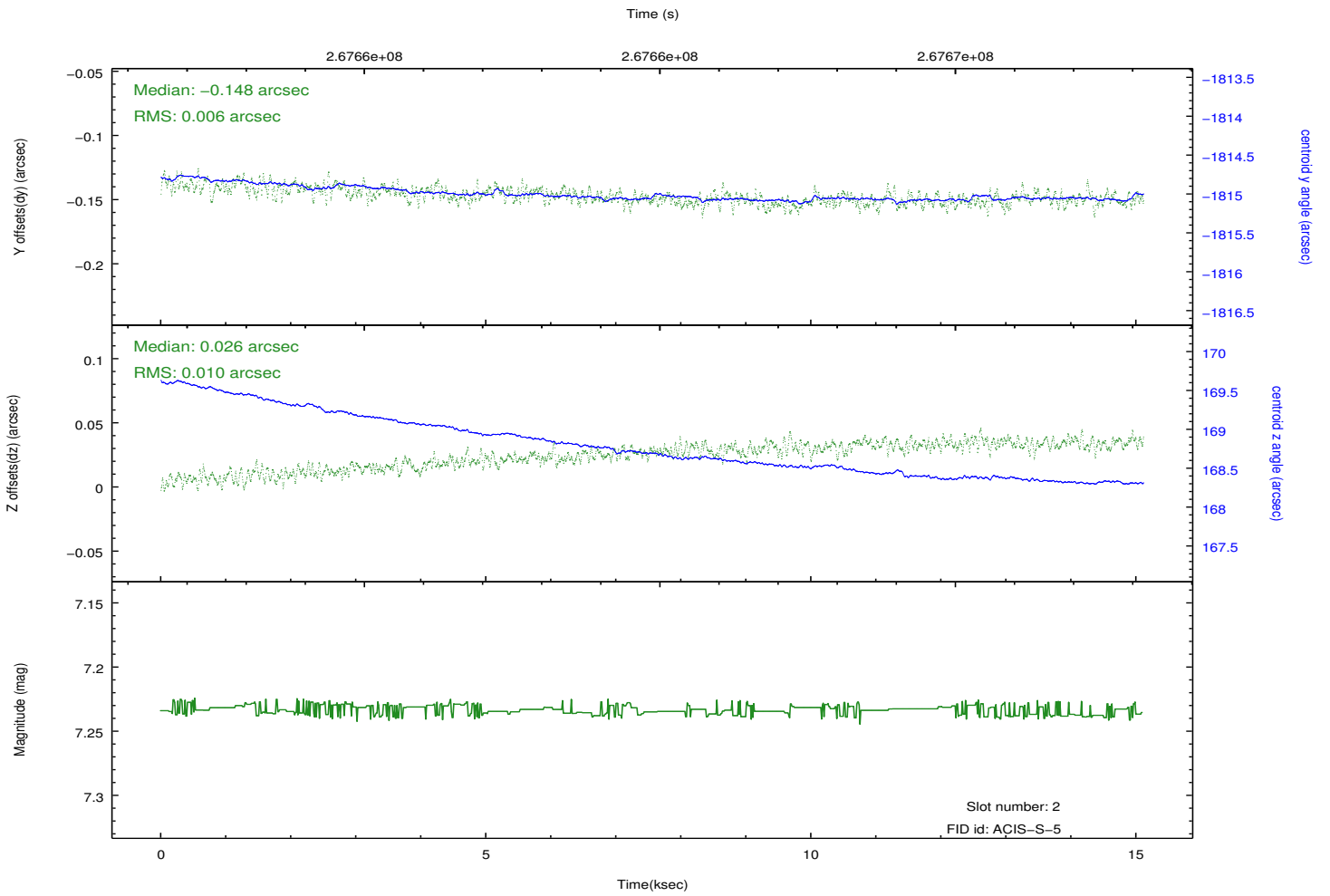
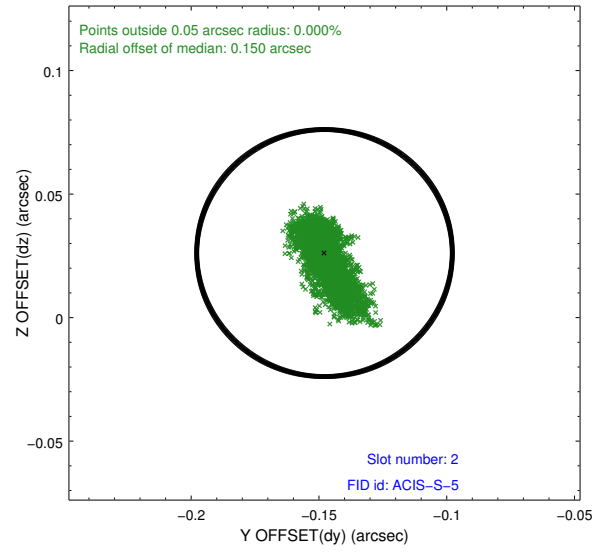
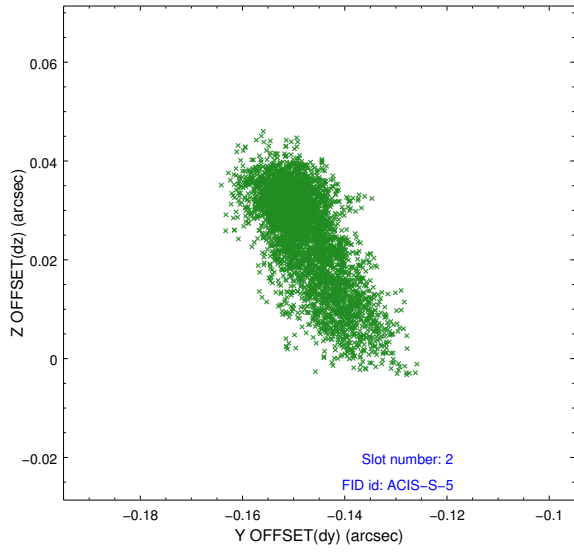
2.5.1 Slot 0



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) | 2012.04.05 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 15.1116002 |

A.2 Comments