

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4775 - L2 Version 3
Chandra X-Ray Center

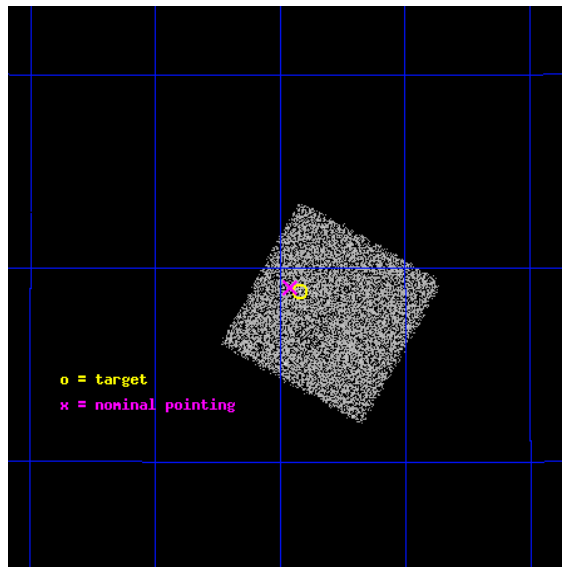
L2 Processing Date : Dec 10 2012

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1 Front

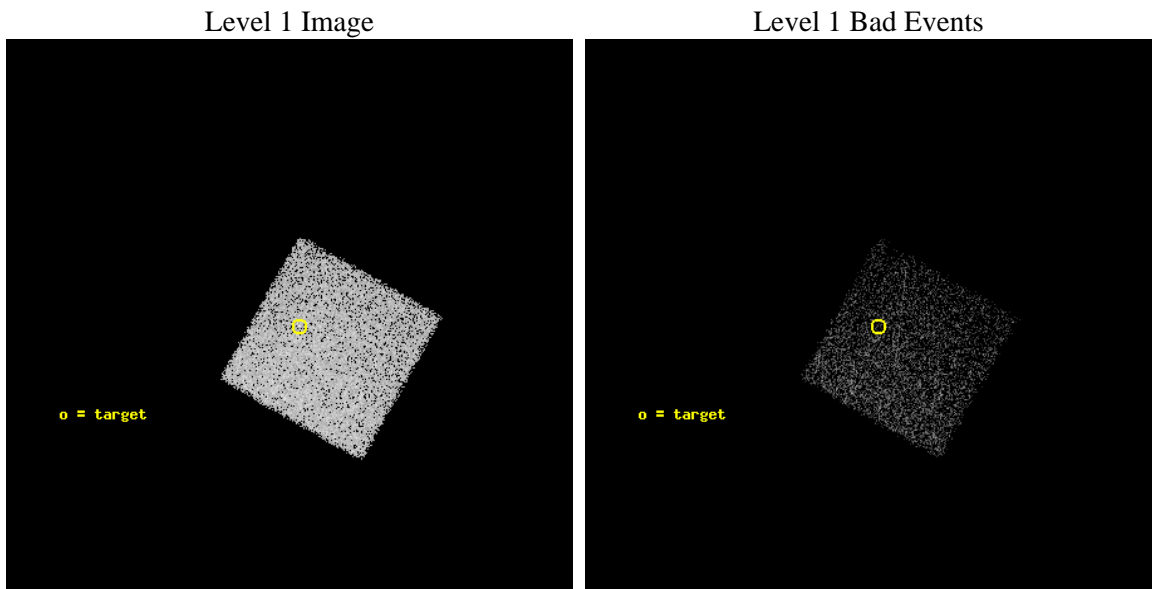
| | | |
|----------|---|---|
| seq_num | 700858 | Sequence number |
| obs_id | 4775 | Observation id |
| title | Anchoring the AGN X-ray Luminosity Function | Proposal title |
| observer | Dr. JOHN SALZER | Principal investigator |
| object | F1300-2556 | Source name |
| dtycycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 195.355 | Observer's specified target RA [deg] |
| dec_targ | 29.313333 | Observer's specified target Dec [deg] |
| ra_nom | 195.3653814416 | Nominal RA [deg] |
| dec_nom | 29.316544232089 | Nominal Dec [deg] |
| roll_nom | 29.654096392224 | Nominal Roll [deg] |
| revision | 3 | Processing version of data |
| ontime | 3843.0 | Sum of GTIs [s] |
| livetime | 3791.1372425223 | Livetime [s] |
| ontime7 | 3843.0 | Sum of GTIs [s] |
| l2events | 17043 | Number of level 2 events |



2 OBI

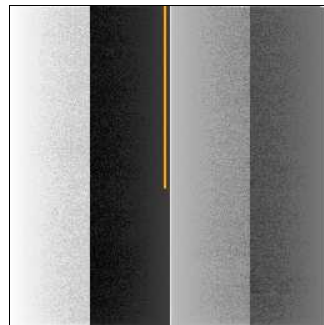
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-------------|---|
| obi_num | 1 | Obi number | sched_exp_time | 4000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.5 | Processing system revision | ontime | 3843.0 | Sum of GTIs [s] |
| caldbver | 4.5.4 | | ontime7 | 3843.0 | Sum of GTIs [s] |
| date | 2012-12-10T22:42:27 | Date and time of file creation | l1events | 41571 | Number of level 1 events |
| revision | 3 | Processing version of data | | | |

2.1.4 Events

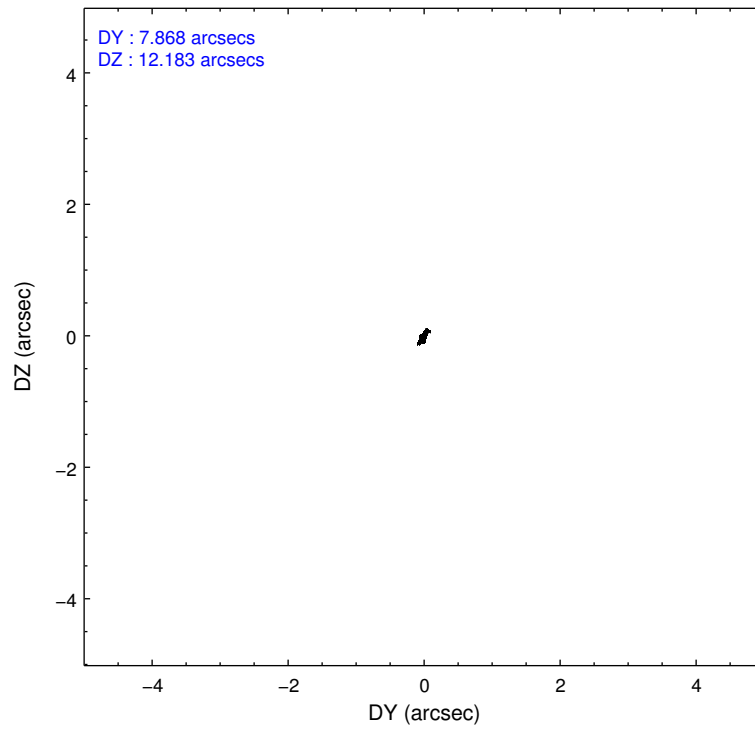
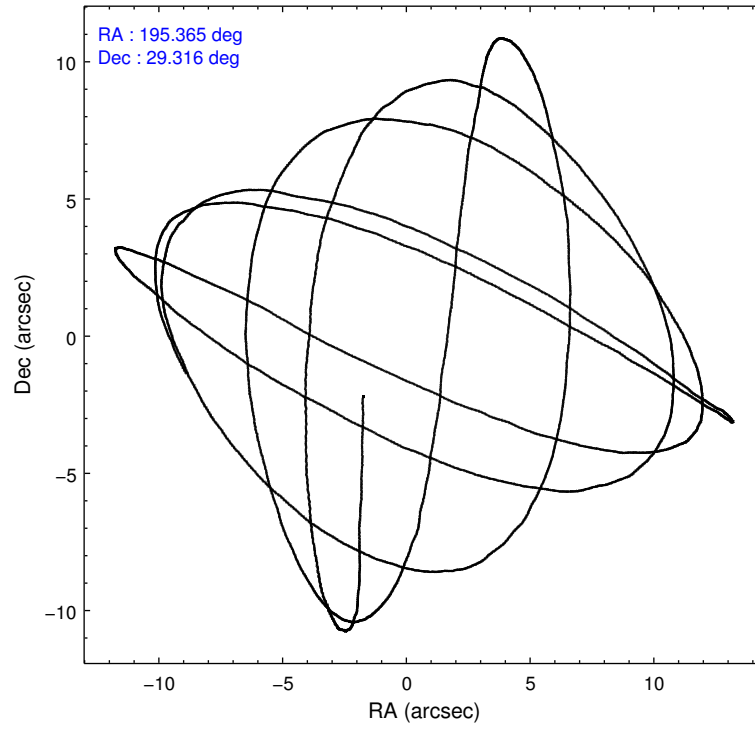
| | ccd 7 |
|-----------------|--------------|
| level 1 events | 41571 |
| rejected events | 24064 |
| rejected % | 57% |

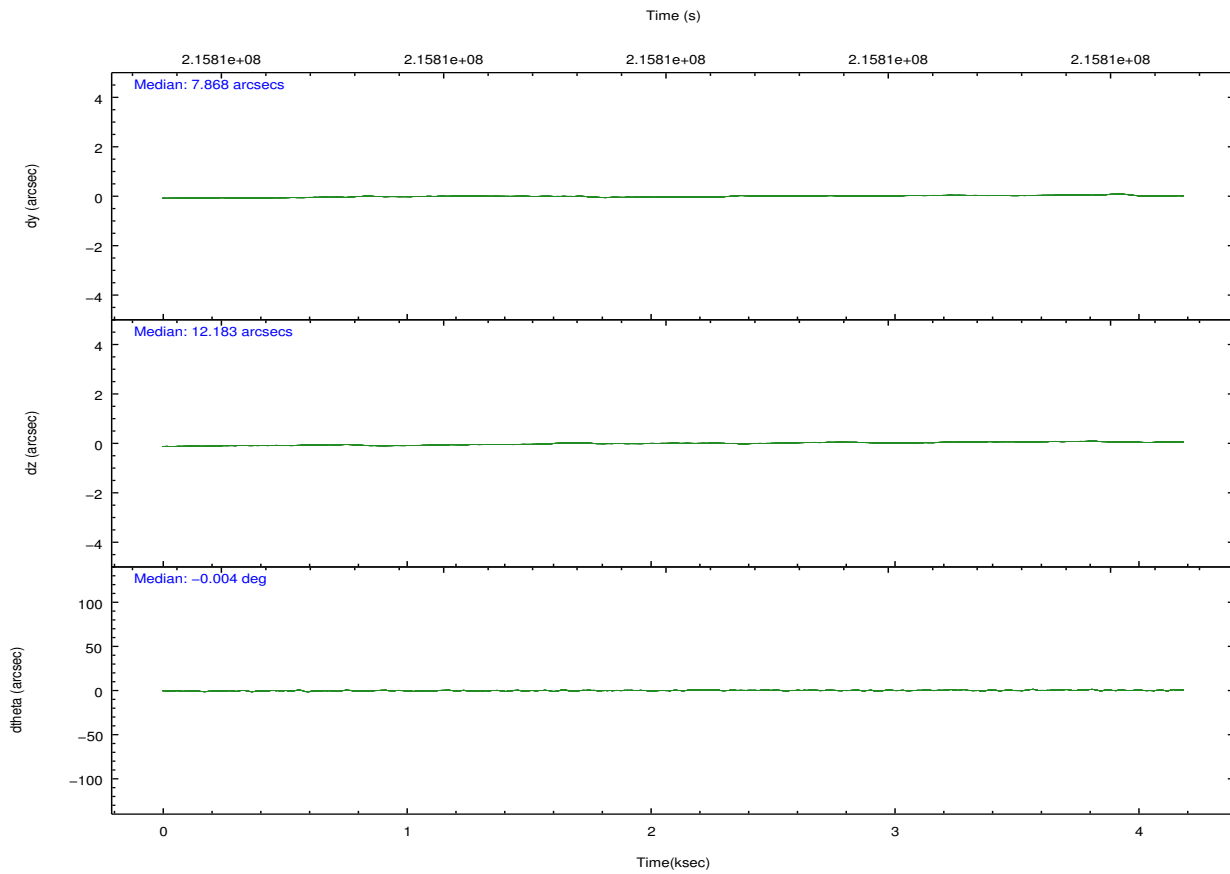
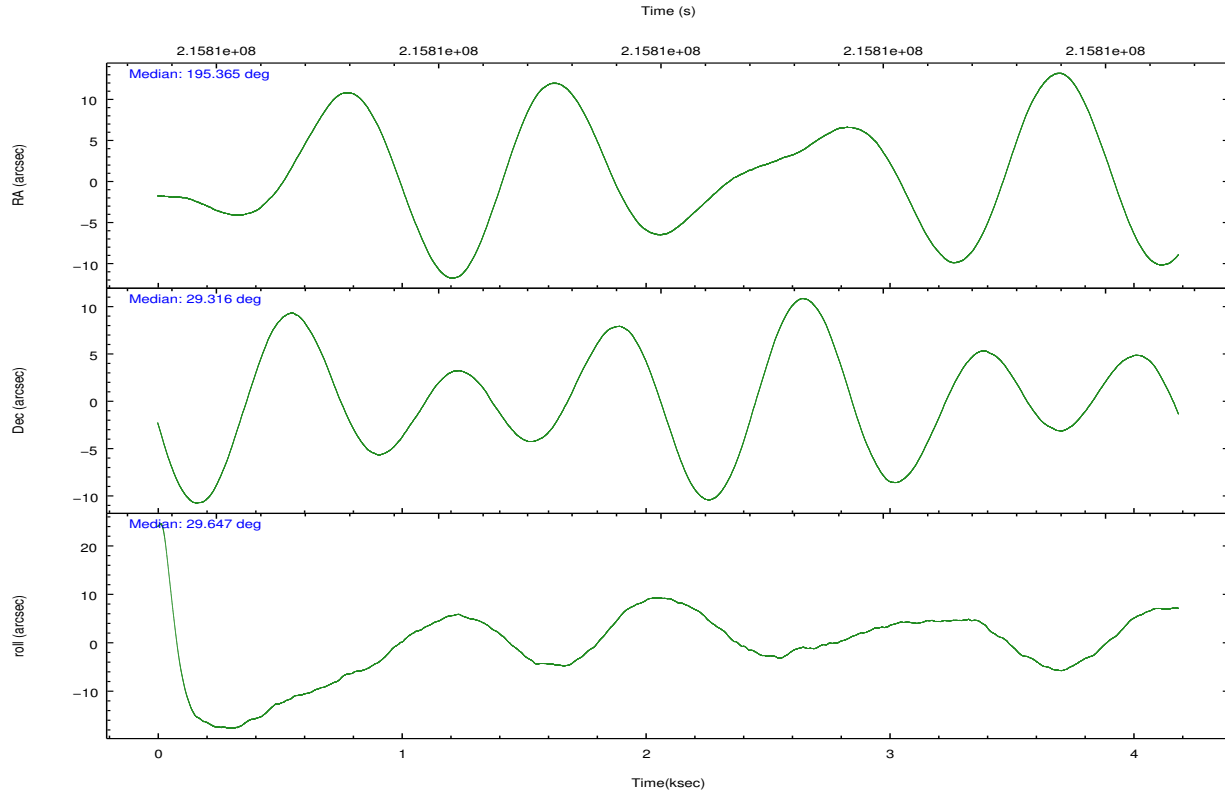
| | ccd 7 |
|----------------|--------------|
| grade 0 events | 1603 |
| | 3% |
| grade 1 events | 47 |
| | 0% |
| grade 2 events | 3456 |
| | 8% |
| grade 3 events | 1484 |
| | 3% |
| grade 4 events | 1598 |
| | 3% |
| grade 5 events | 3860 |
| | 9% |
| grade 6 events | 9383 |
| | 22% |
| grade 7 events | 20140 |
| | 48% |

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 | FAINT | FAINT | Number of optional ACIS chips dropped | 0 | 0 |
| Observation mode | POINTING | POINTING | On-chip summing requested | N | N |
| [deg] Pointing RA | 195.350037 | 195.3653814415986 | Subarray requested | NONE | NONE |
| [deg] Pointing Dec | 29.292887 | 29.31654423208859 | Alternating exposures requested | N | N |
| [deg] Pointing Roll | 29.504989 | 29.65409639222423 | [s] Primary exposure time | 0.000000 | 3 |
| [mm] SIM focus pos | -0.684267 | -0.6828225247311905 | | | |
| [mm] SIM defocus | 0 | 0.001444936568705701 | | | |
| [mm] SIM translation stage pos | -190.132523 | -190.1400660498719 | | | |
| [mm] SIM translation stage offset | 0 | 0.00754346686406393 | | | |
| [s] Observation start time (MET) | 215807127.184000 | 215806728.35695 | | | |
| Observation start date | 2004-11-02T18:24:23 | 2004-11-02T18:18:48 | | | |
| [s] Observation end time (MET) | 215811127.184000 | 215812334.5947 | | | |
| Observation end date | 2004-11-02T19:31:03 | 2004-11-02T19:52:14 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



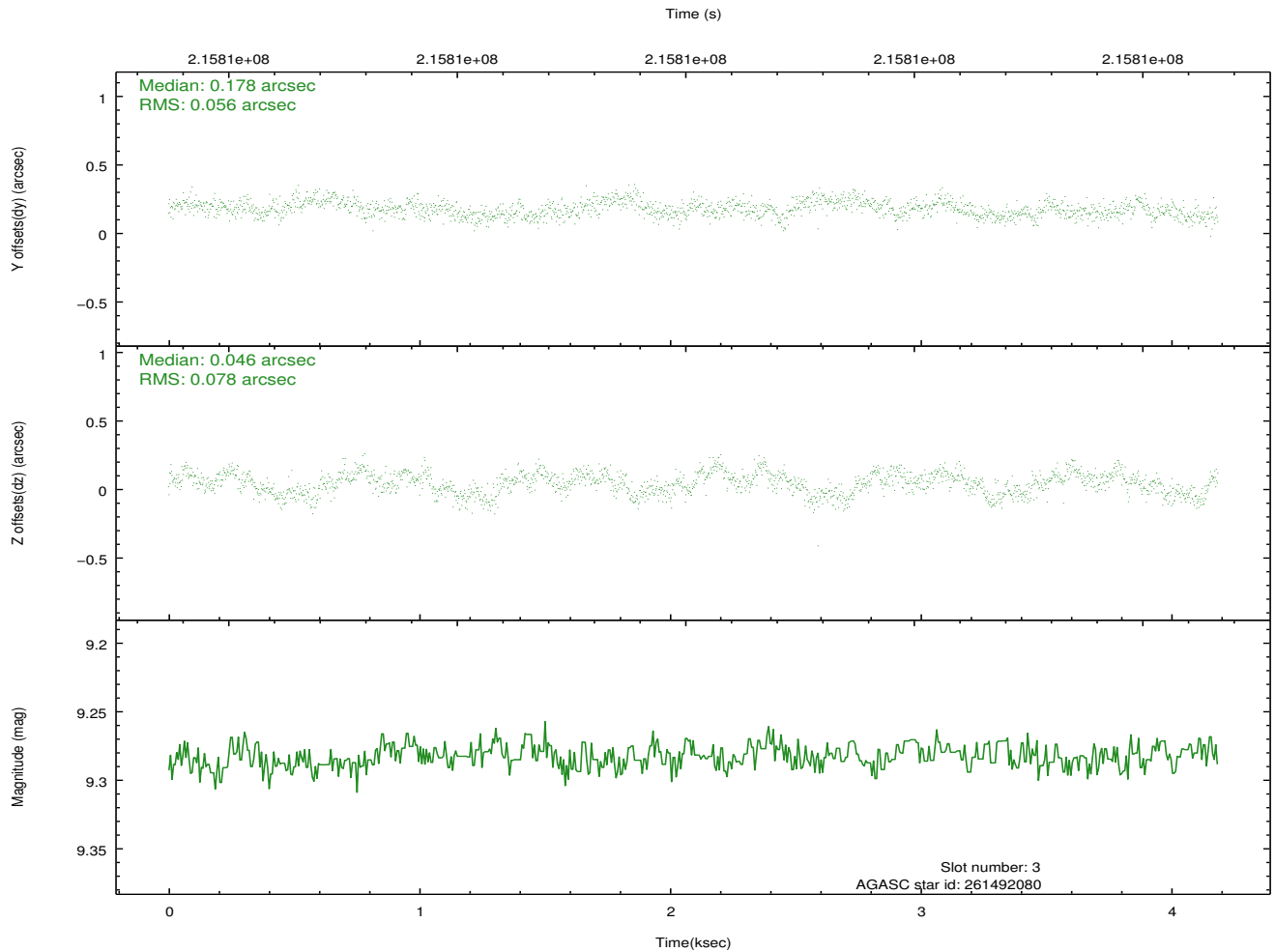
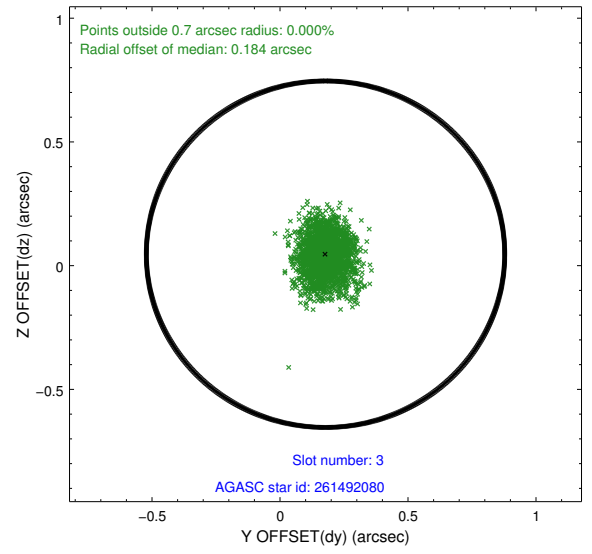
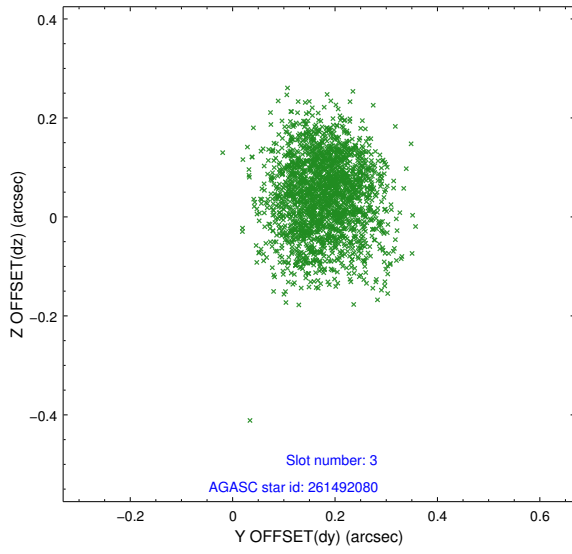


Slot Statistics

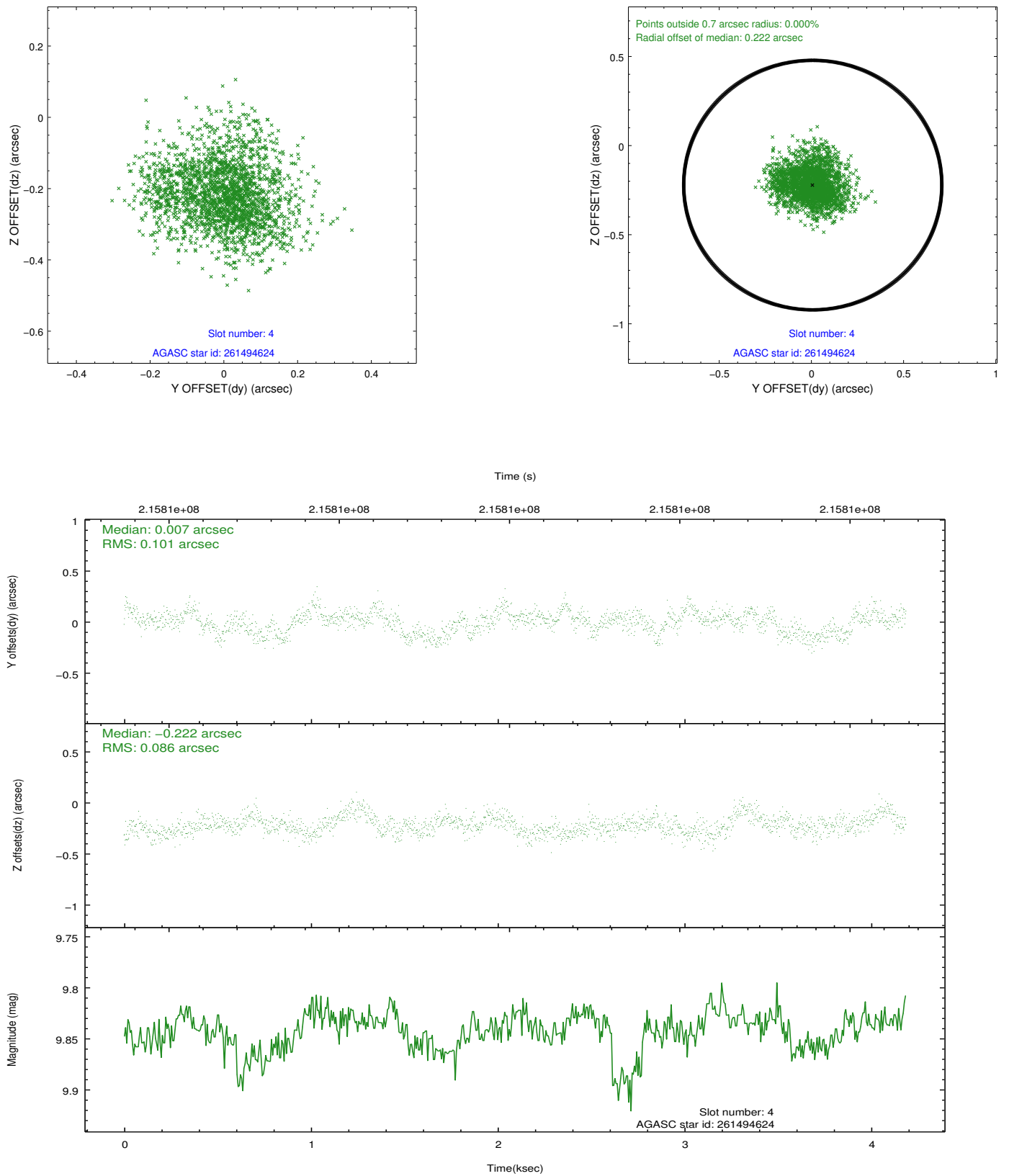
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|-------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.10 | 1021 | -0.009 | -0.027 | 0.007 | 0.011 | 0.000000 | 0.000000 | -760.65 | -1733.50 |
| 1 | FID | ACIS-S-4 | 7.20 | 1021 | 0.075 | 0.012 | 0.006 | 0.011 | 0.000000 | 0.000000 | 2152.04 | 173.48 |
| 2 | FID | ACIS-S-5 | 7.23 | 1021 | -0.097 | 0.024 | 0.007 | 0.011 | 0.000000 | 0.000000 | -1811.67 | 168.85 |
| 3 | GUIDE | 261492080 | 9.28 | 2043 | 0.178 | 0.046 | 0.101 | 0.167 | 194.976344 | 28.631585 | -2198.52 | -1488.60 |
| 4 | GUIDE | 261494624 | 9.84 | 2043 | 0.007 | -0.222 | 0.145 | 0.229 | 195.359009 | 29.626023 | 614.30 | 1029.37 |
| 5 | GUIDE | 261496832 | 10.34 | 2038 | -0.152 | -0.057 | 0.154 | 0.262 | 194.608189 | 29.457826 | -1727.42 | 1669.16 |
| 6 | GUIDE | 261497216 | 9.77 | 2040 | -0.171 | 0.200 | 0.127 | 0.210 | 195.387564 | 28.631739 | -1069.41 | -2128.53 |
| 7 | GUIDE | 261501072 | 8.99 | 2041 | 0.147 | 0.036 | 0.110 | 0.167 | 195.517851 | 28.991551 | -74.40 | -1204.46 |

2.4 Star Slots

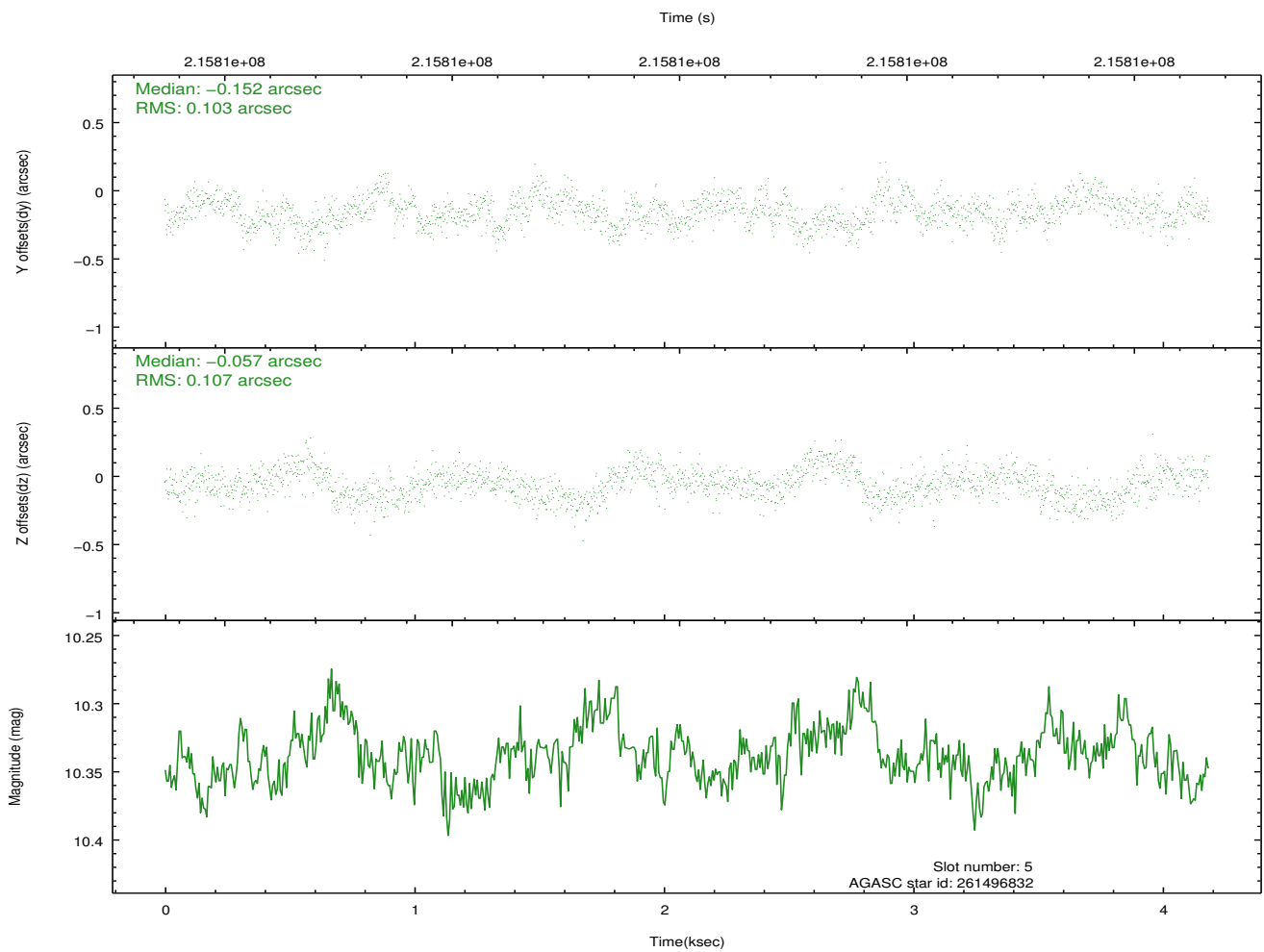
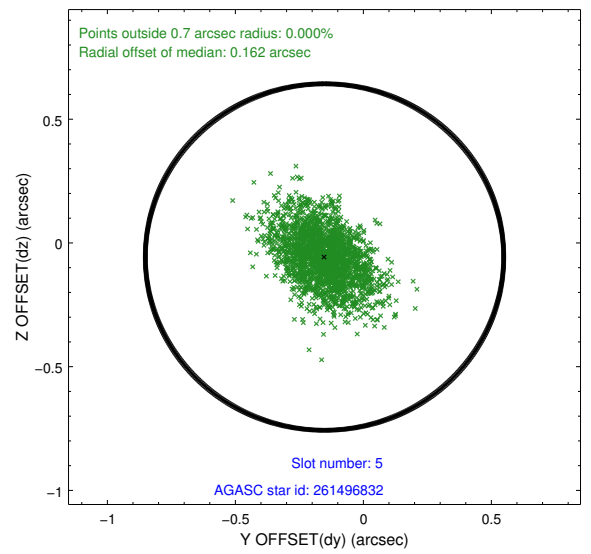
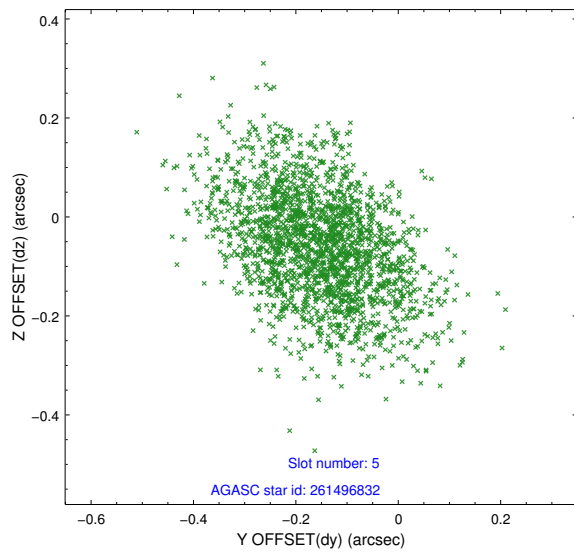
2.4.1 Slot 3



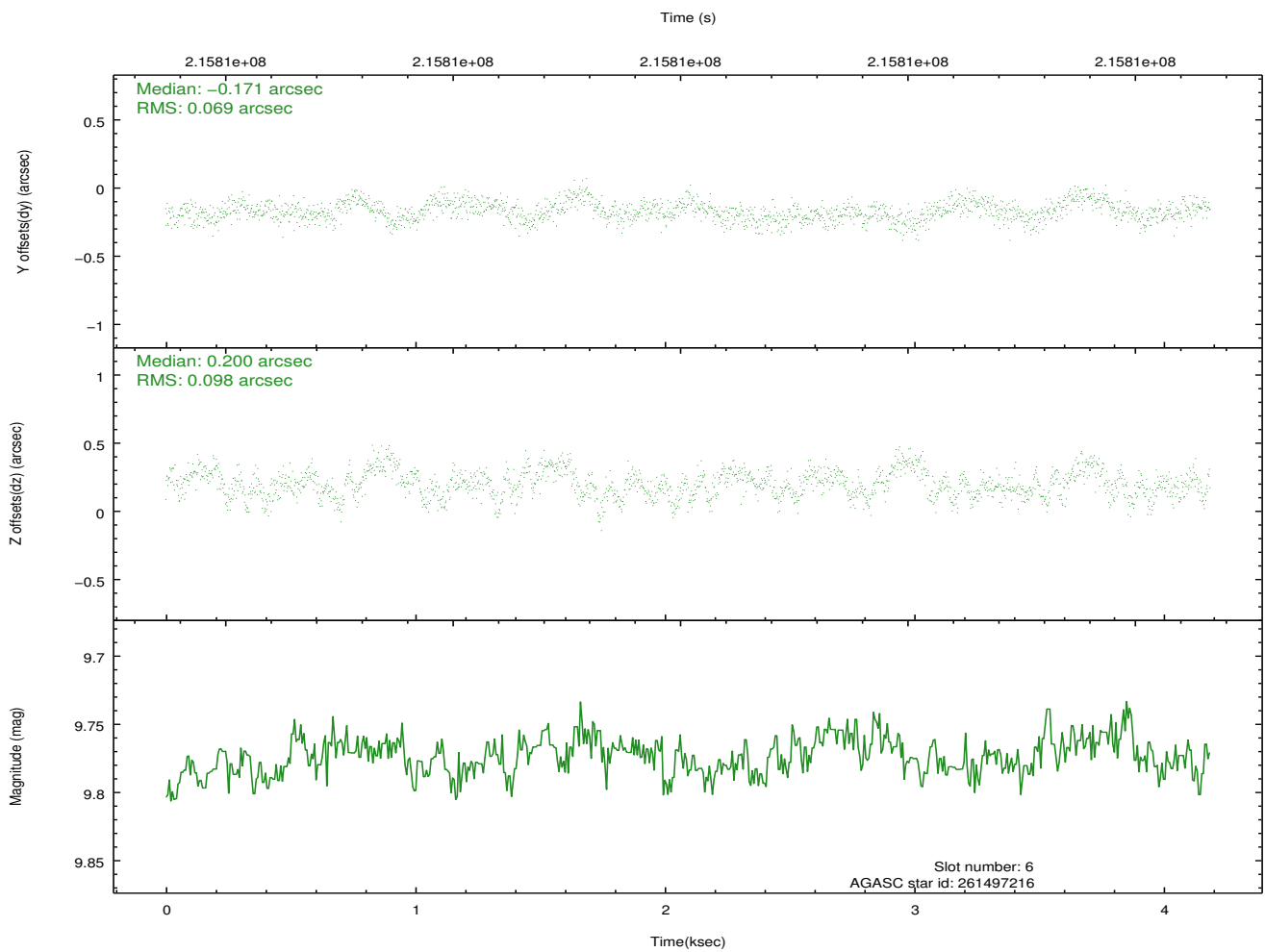
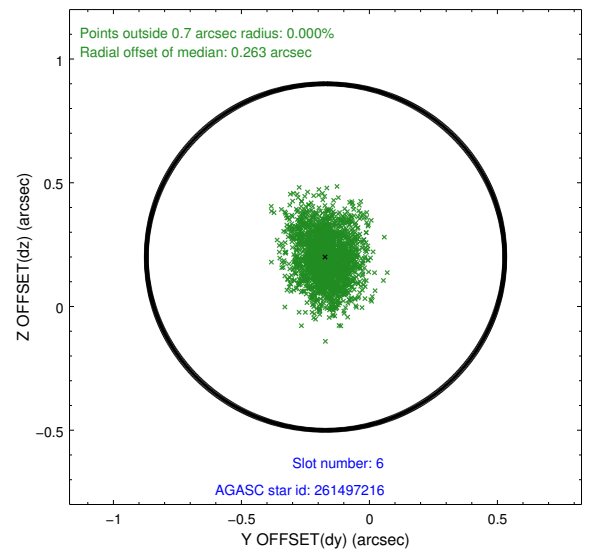
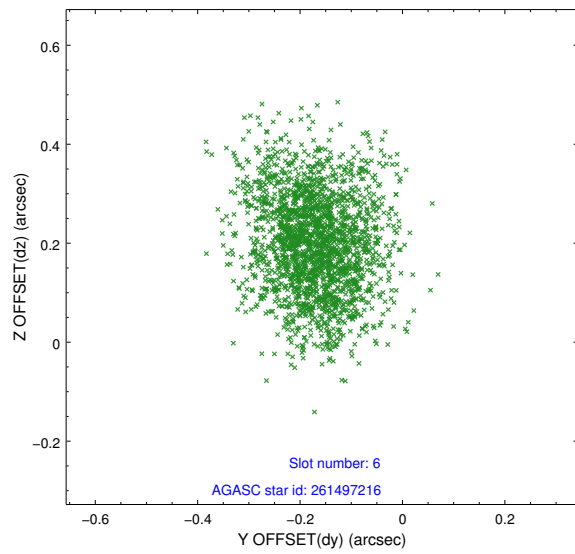
2.4.2 Slot 4



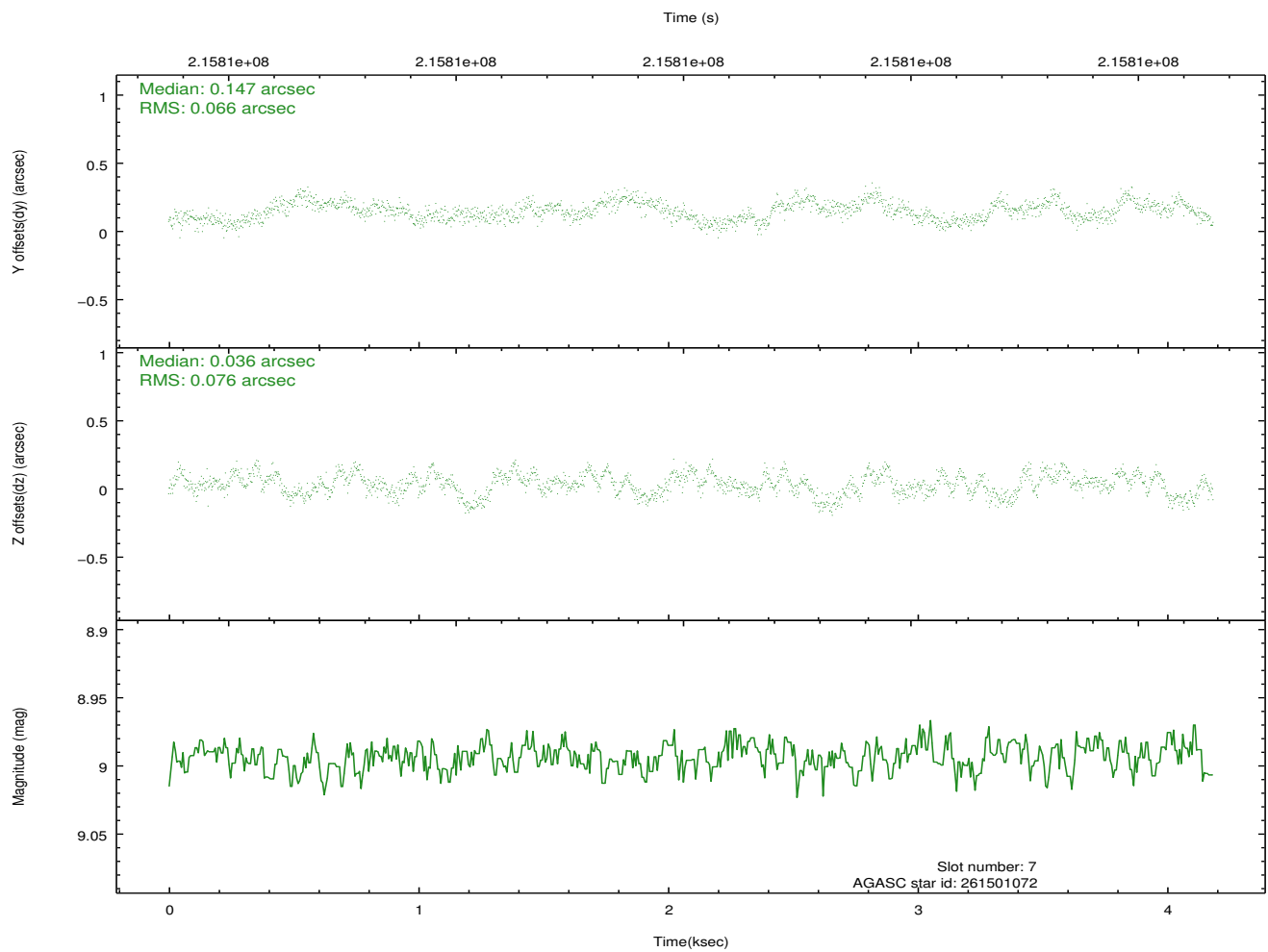
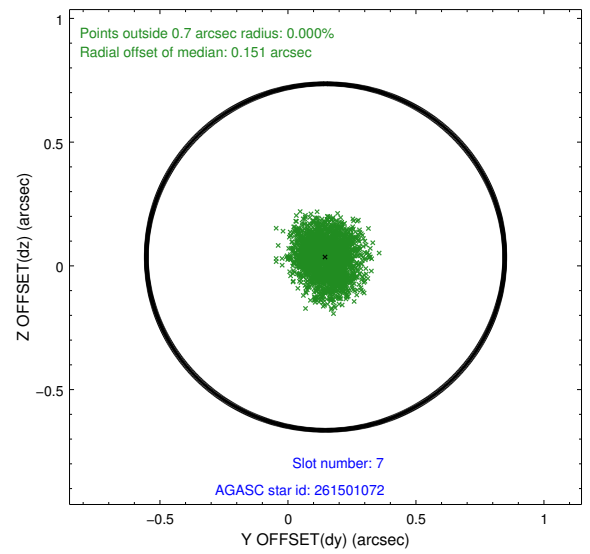
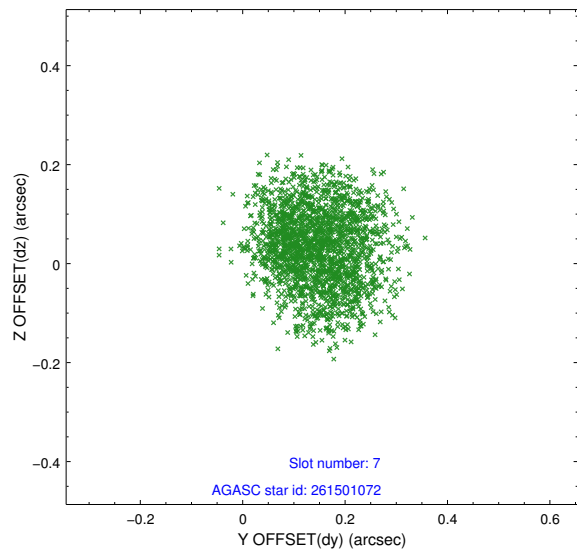
2.4.3 Slot 5



2.4.4 Slot 6

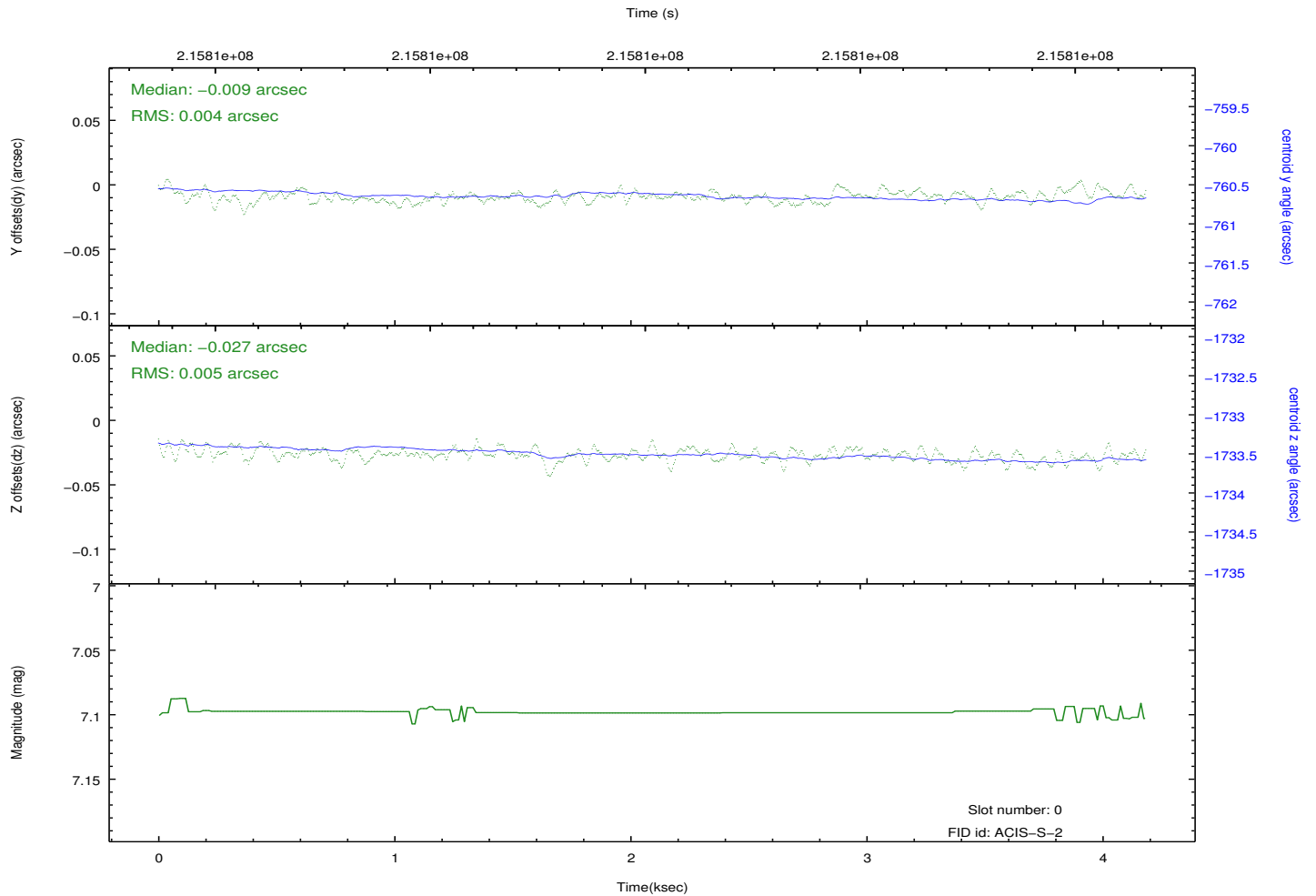
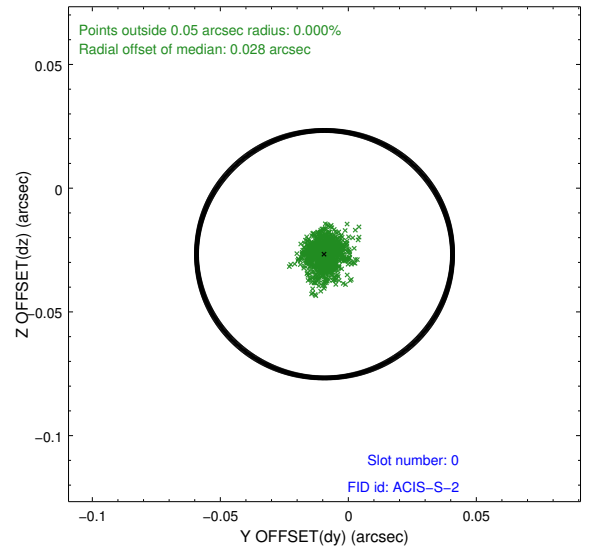
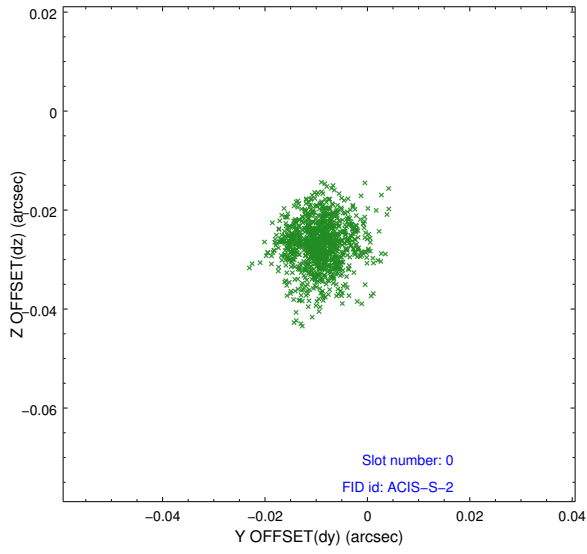


2.4.5 Slot 7

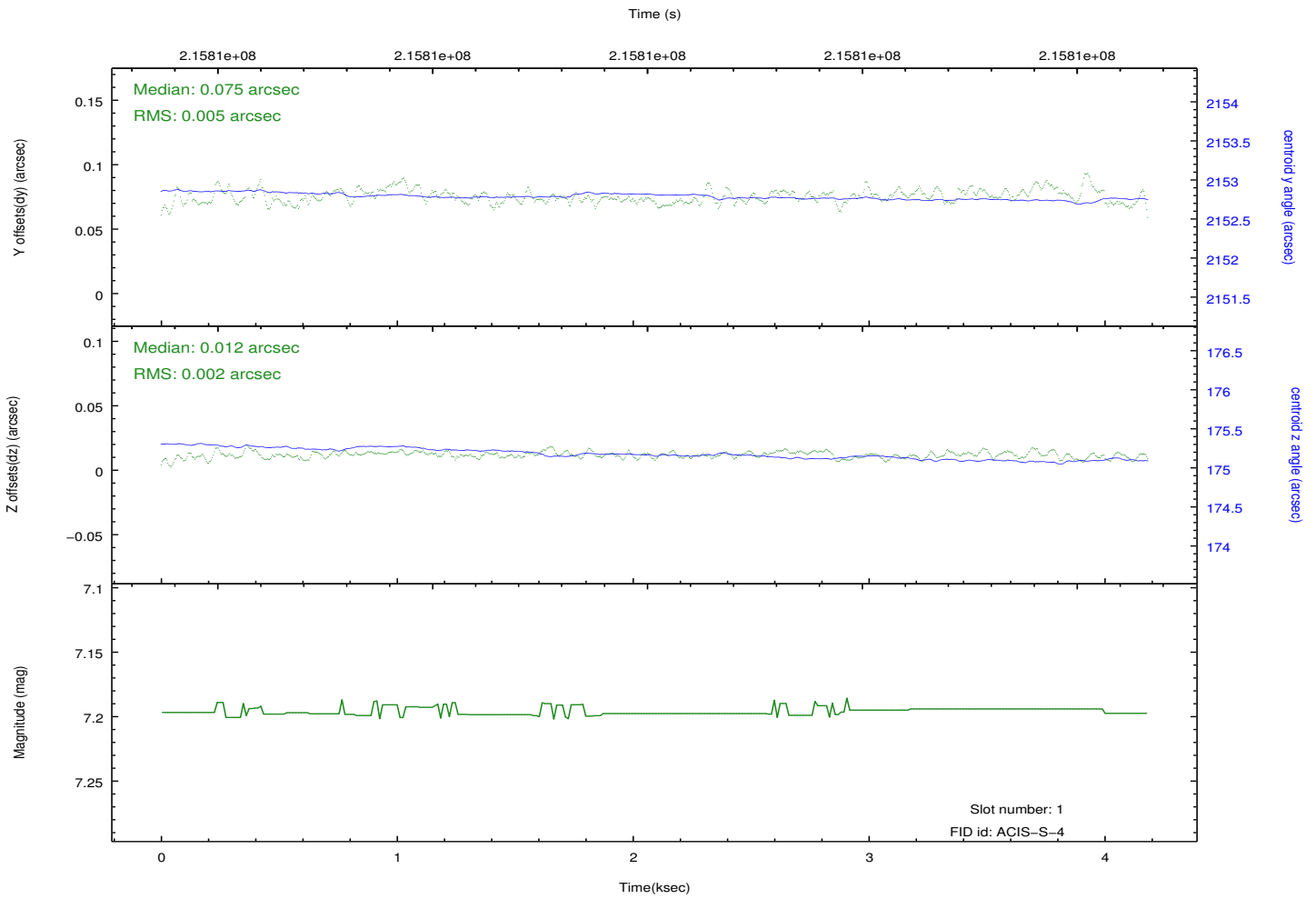
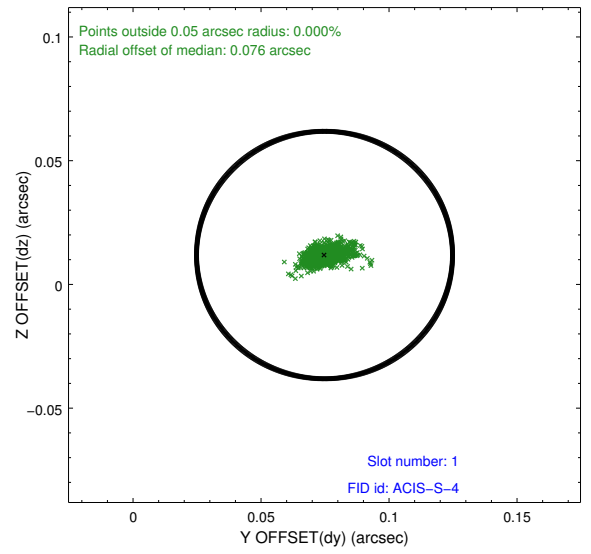
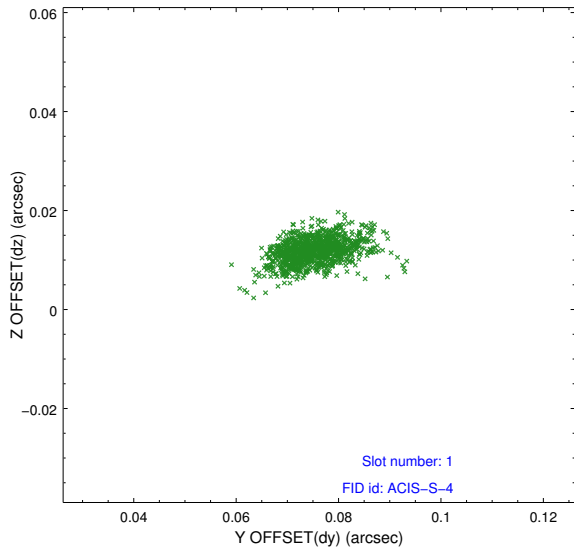


2.5 FID Slots

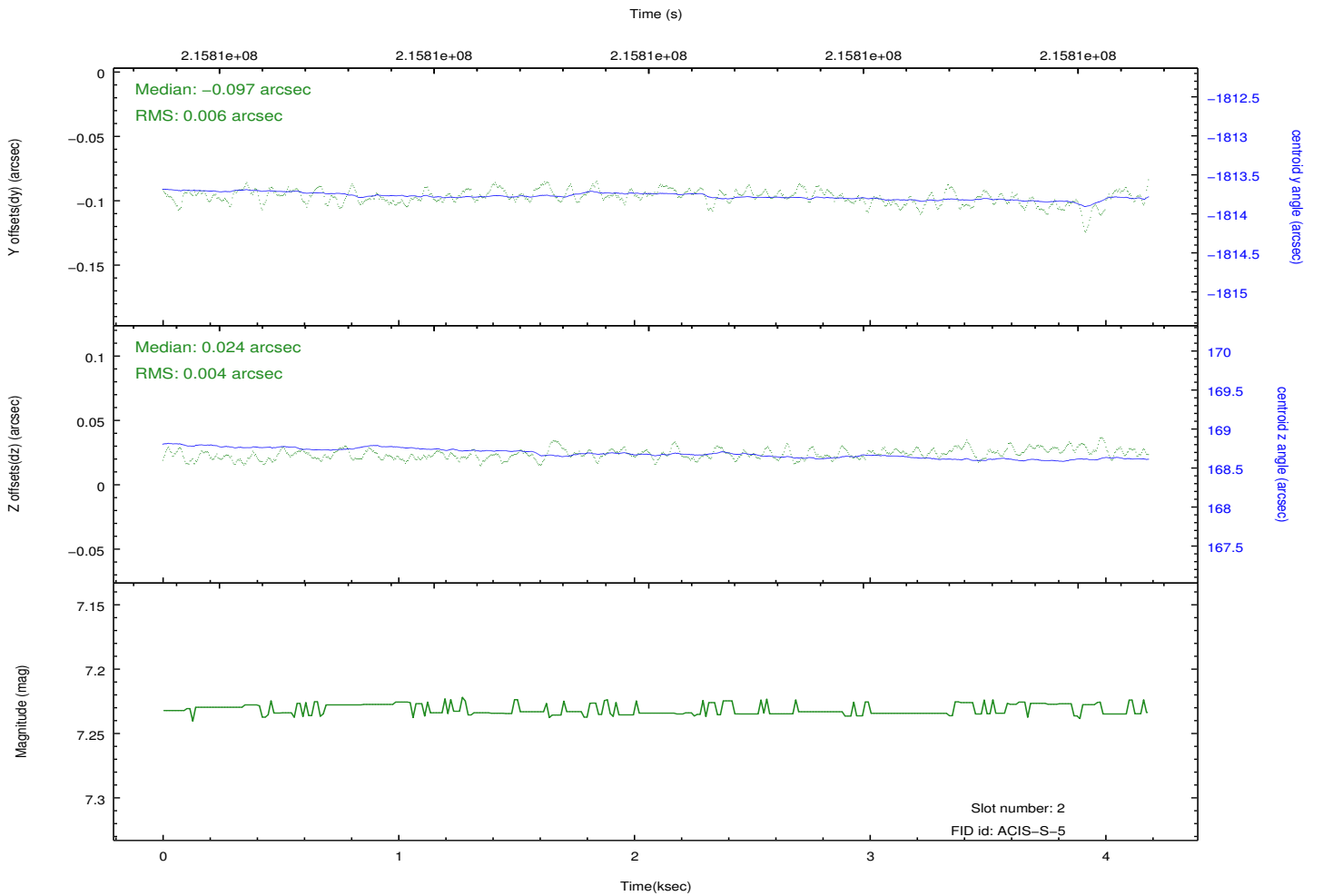
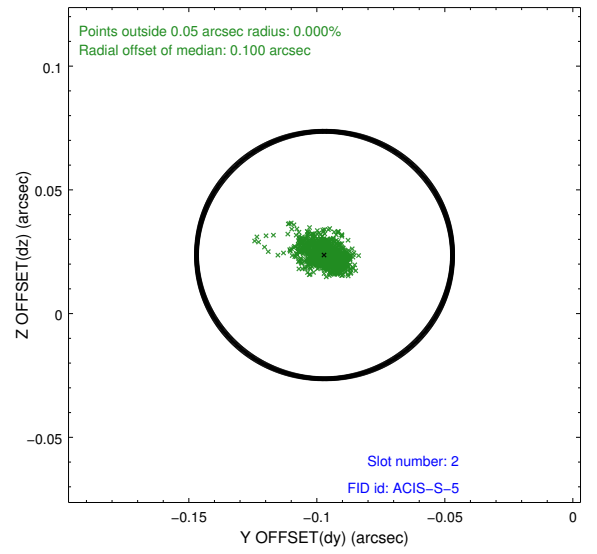
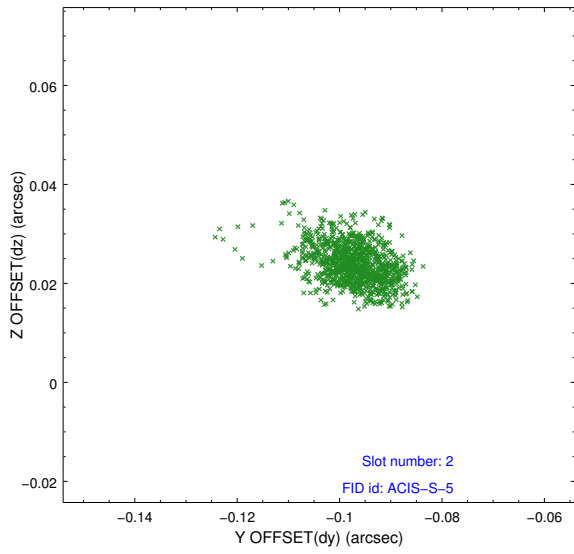
2.5.1 Slot 0



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) | 2013.01.03 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 3.843 |

A.2 Comments