

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6902 - L2 Version 4
Chandra X-Ray Center

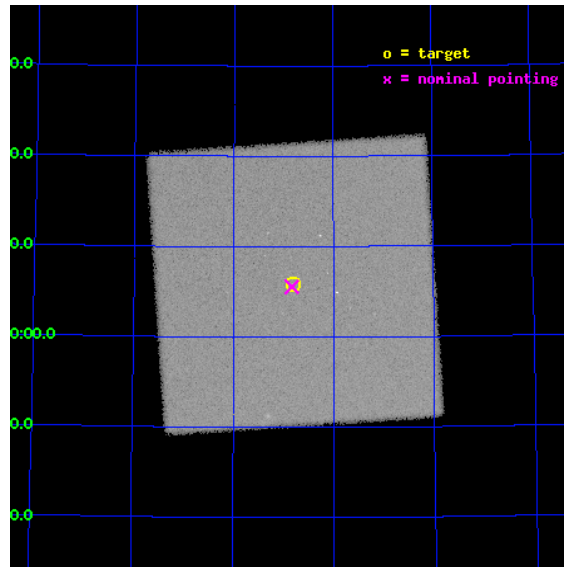
L2 Processing Date : Aug 11 2012

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1 Front

| | | |
|----------|---|---------------------------------------|
| seq_num | 701319 | Sequence number |
| obs_id | 6902 | Observation id |
| title | High Resolution Imaging of the Center of IC 342 | Proposal title |
| observer | Prof. Albert Kong | Principal investigator |
| object | IC342 | Source name |
| ra_targ | 56.704583 | Observer's specified target RA [deg] |
| dec_targ | 68.0965 | Observer's specified target Dec [deg] |
| ra_nom | 56.708126614025 | Nominal RA [deg] |
| dec_nom | 68.09257648112 | Nominal Dec [deg] |
| roll_nom | 311.27595781152 | Nominal Roll [deg] |
| revision | 4 | Processing version of data |
| ontime | 12157.525566012 | [s] |
| livetime | 12053.231229255 | Ontime multiplied by DTCOR |
| l2events | 564097 | Number of level 2 events |

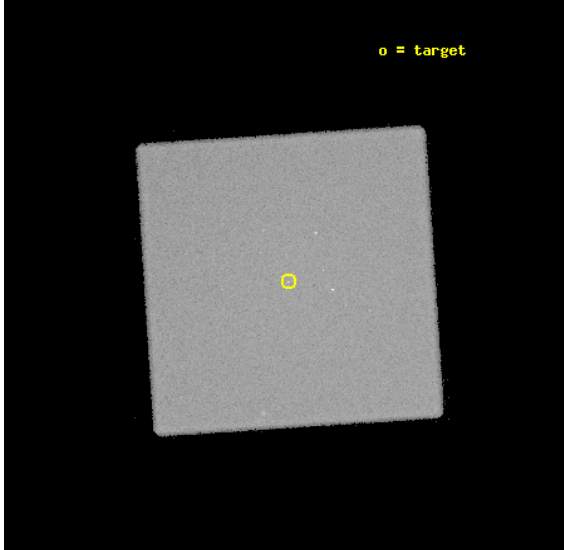


2 OBI

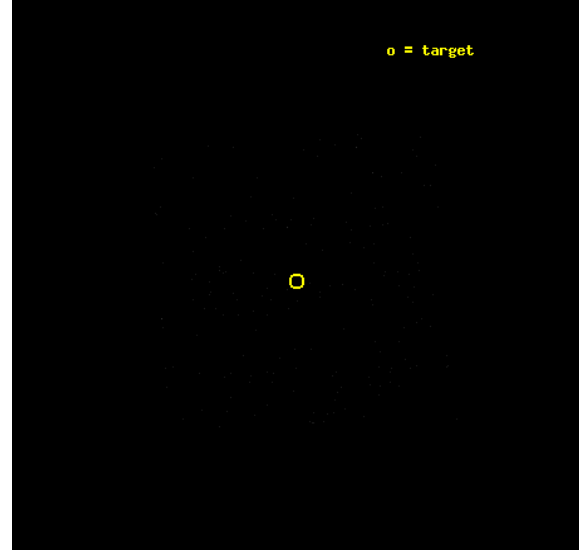
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|---|
| obi_num | 0 | Obi number | sched_exp_time | 12000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 12157.525566012 | [s] |
| caldbver | 4.5.1.1 | | l1events | 918675 | Number of level 1 events |
| date | 2012-08-11T06:12:45 | Date and time of file creation | | | |
| revision | 4 | Processing version of data | | | |

2.1.3 Events

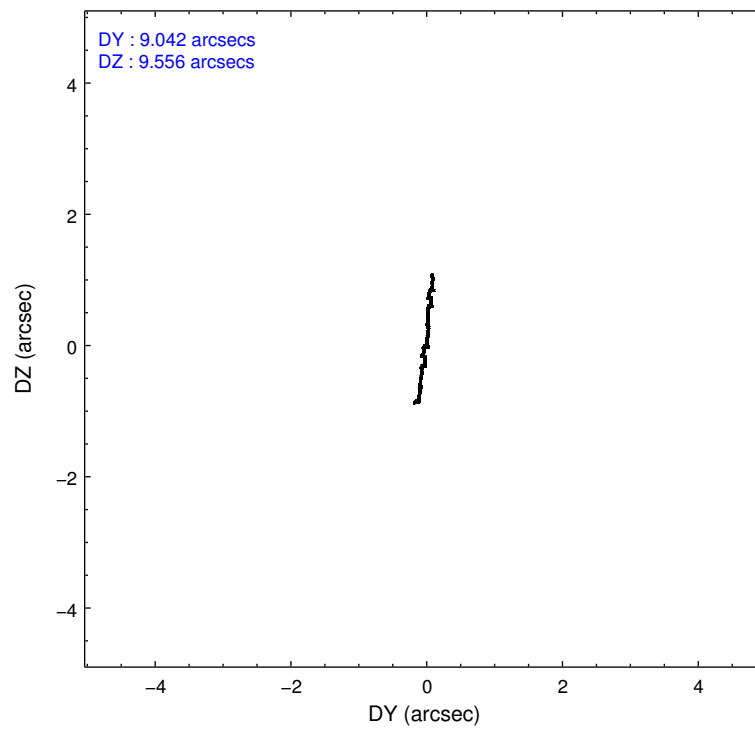
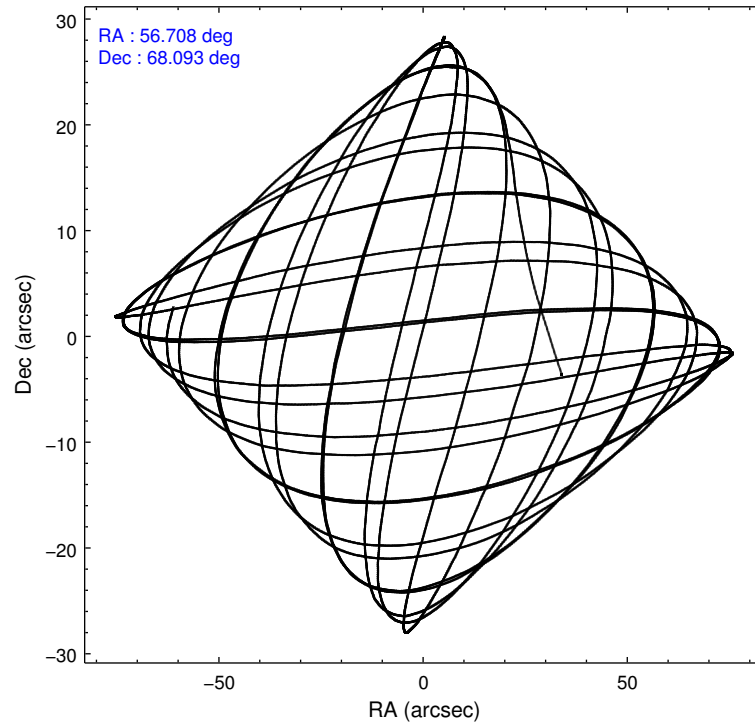
Level 1 Events

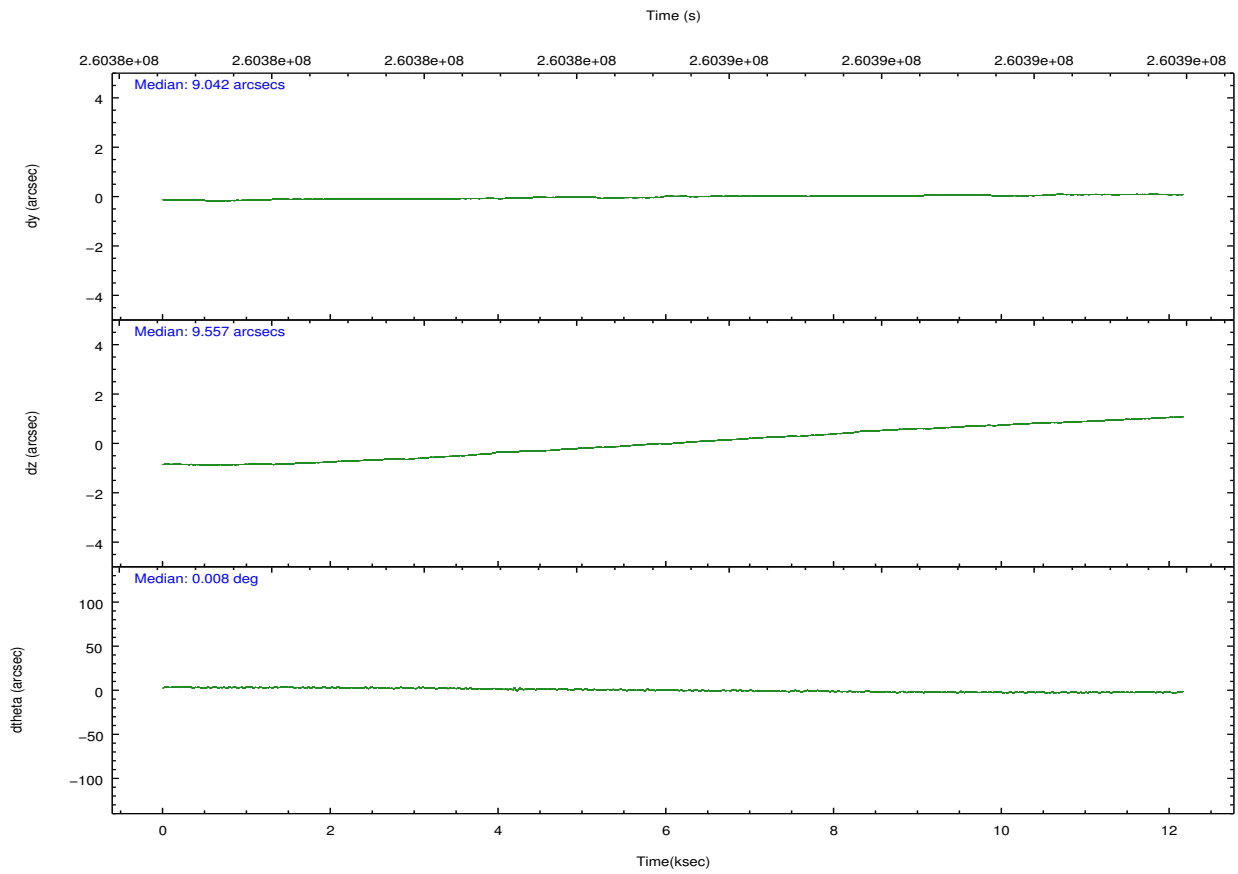
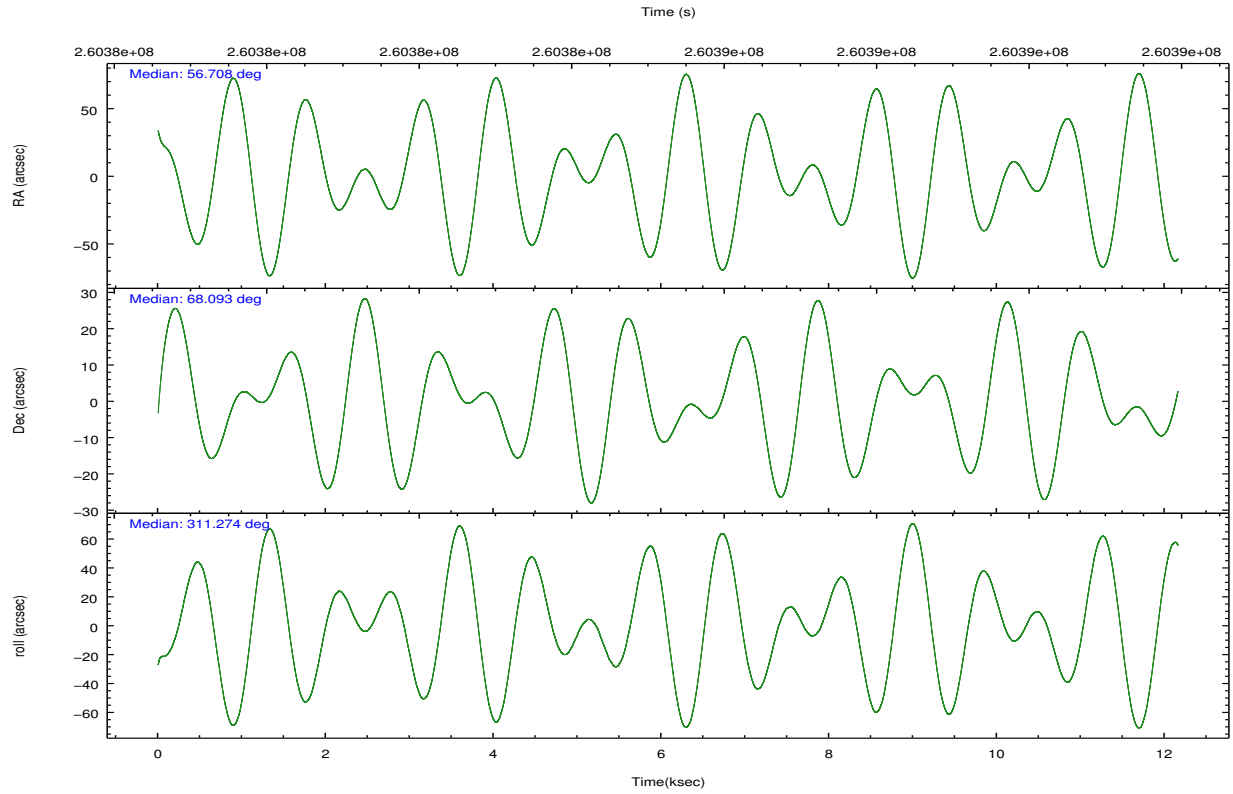
| | segment 0 |
|-----------------|----------------------|
| level 1 events | 918675 |
| rejected events | 72305 |
| rejected % | 7% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|------------------------------|-----------|---------|
| Instrument | HRC | HRC | Obspar format version number | 7 | 7 |
| Detector | HRC-I | HRC-I | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | OBSERVING | OBSERVING | | | |
| Observation mode | POINTING | POINTING | | | |
| [deg] Pointing RA | 56.638795 | 56.70812661402454 | | | |
| [deg] Pointing Dec | 68.100624 | 68.09257648112005 | | | |
| [deg] Pointing Roll | 311.435769 | 311.2759578115248 | | | |
| [mm] SIM focus pos | -1.040293 | -1.038866356238299 | | | |
| [mm] SIM defocus | 0 | 0.001426264420575141 | | | |
| [mm] SIM translation stage pos | 126.985494 | 126.9829799899862 | | | |
| [mm] SIM translation stage offset | 0 | 0.002508901615314585 | | | |
| [s] Observation start time (MET) | 260379350.184000 | 260378209.13363 | | | |
| Observation start date | 2006-04-02T15:34:45 | 2006-04-02T15:16:49 | | | |
| [s] Observation end time (MET) | 260391350.184000 | 260392504.8093 | | | |
| Observation end date | 2006-04-02T18:54:45 | 2006-04-02T19:15:04 | | | |

2.3 Aspect



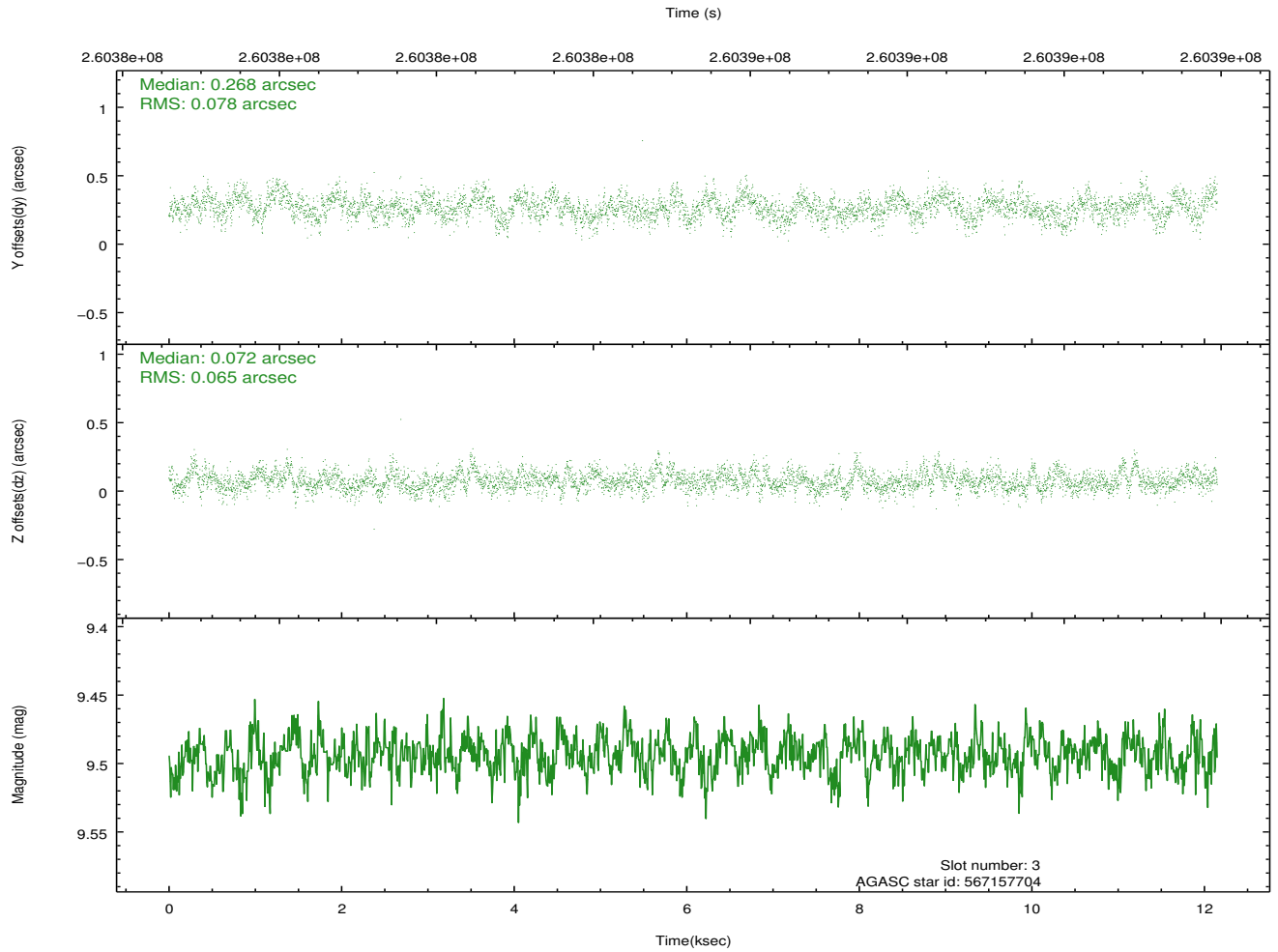
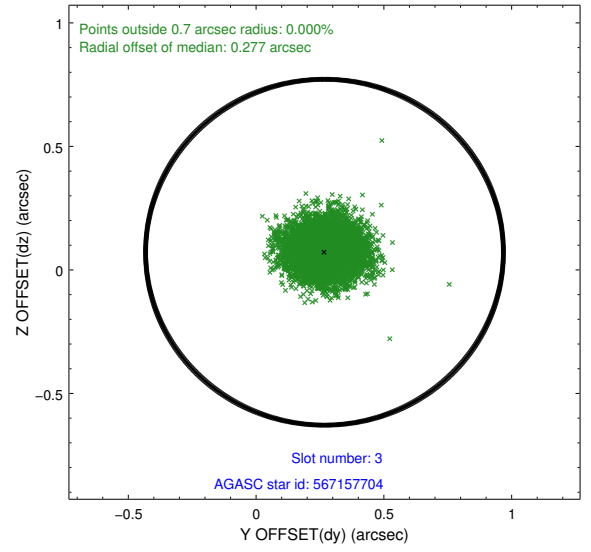
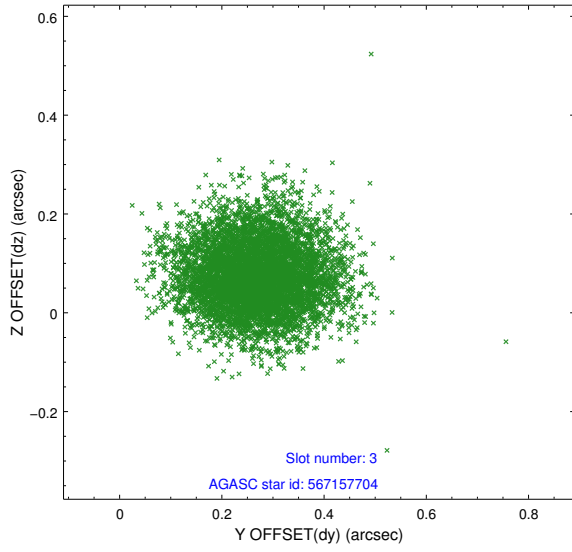


Slot Statistics

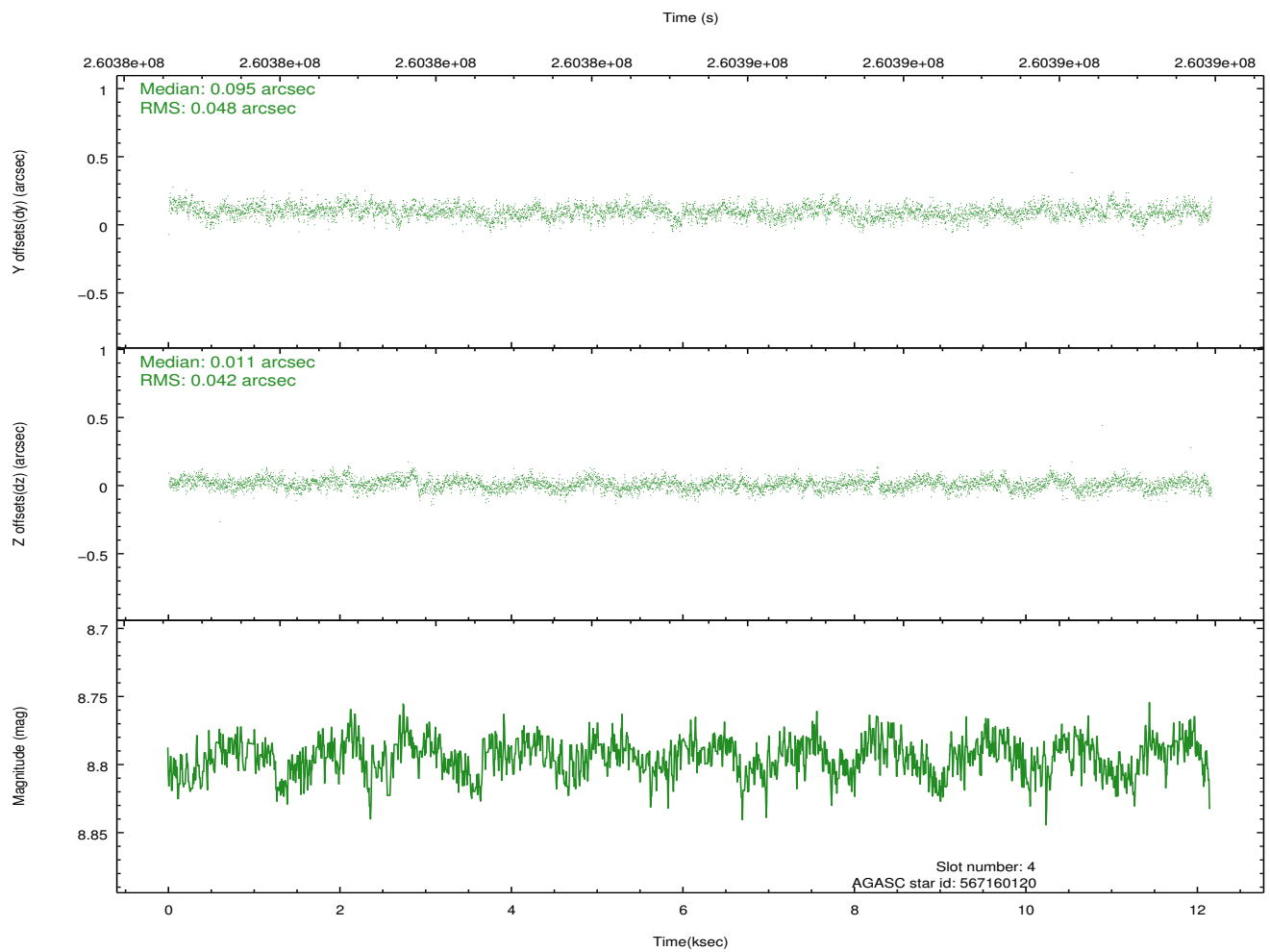
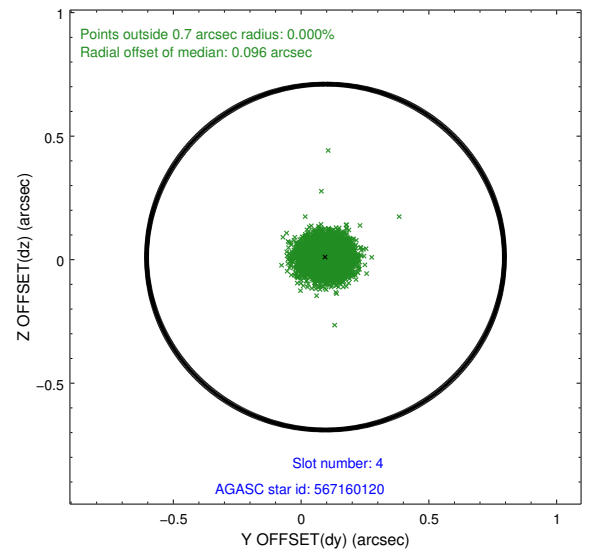
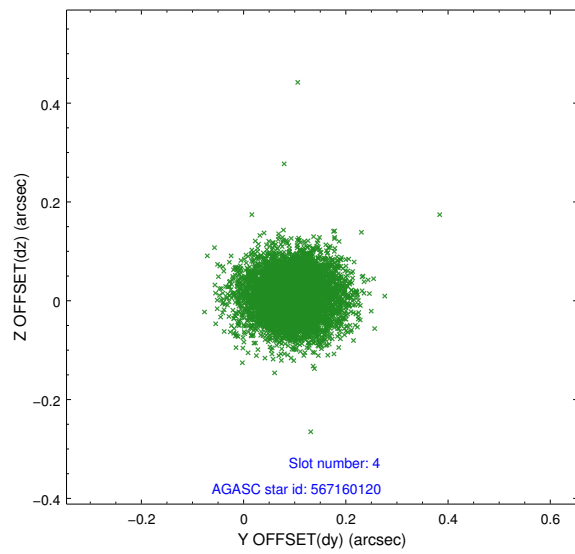
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|-----------|-----------|----------|----------|
| 0 | FID | HRC-I-1 | 6.96 | 2965 | -0.026 | 0.054 | 0.018 | 0.032 | 0.000000 | 0.000000 | -764.66 | -1297.46 |
| 1 | FID | HRC-I-2 | 7.01 | 2966 | 0.140 | -0.083 | 0.028 | 0.049 | 0.000000 | 0.000000 | 847.88 | -1299.58 |
| 2 | FID | HRC-I-3 | 7.05 | 2966 | 0.010 | -0.055 | 0.018 | 0.050 | 0.000000 | 0.000000 | -1192.87 | 1006.56 |
| 3 | GUIDE | 567157704 | 9.49 | 5921 | 0.268 | 0.072 | 0.109 | 0.176 | 57.433719 | 67.718717 | 1744.15 | -91.59 |
| 4 | GUIDE | 567160120 | 8.79 | 5928 | 0.095 | 0.011 | 0.068 | 0.110 | 58.169025 | 67.893534 | 1912.46 | 1077.88 |
| 5 | GUIDE | 567161720 | 9.00 | 5929 | -0.015 | 0.020 | 0.080 | 0.130 | 56.857441 | 68.376202 | -551.44 | 874.50 |
| 6 | GUIDE | 567170464 | 8.03 | 5931 | -0.184 | -0.133 | 0.079 | 0.124 | 54.496546 | 67.994557 | -1663.16 | -2385.55 |
| 7 | GUIDE | 567153376 | 7.91 | 5931 | -0.164 | 0.031 | 0.061 | 0.101 | 56.211030 | 68.820690 | -2313.25 | 1299.28 |

2.4 Star Slots

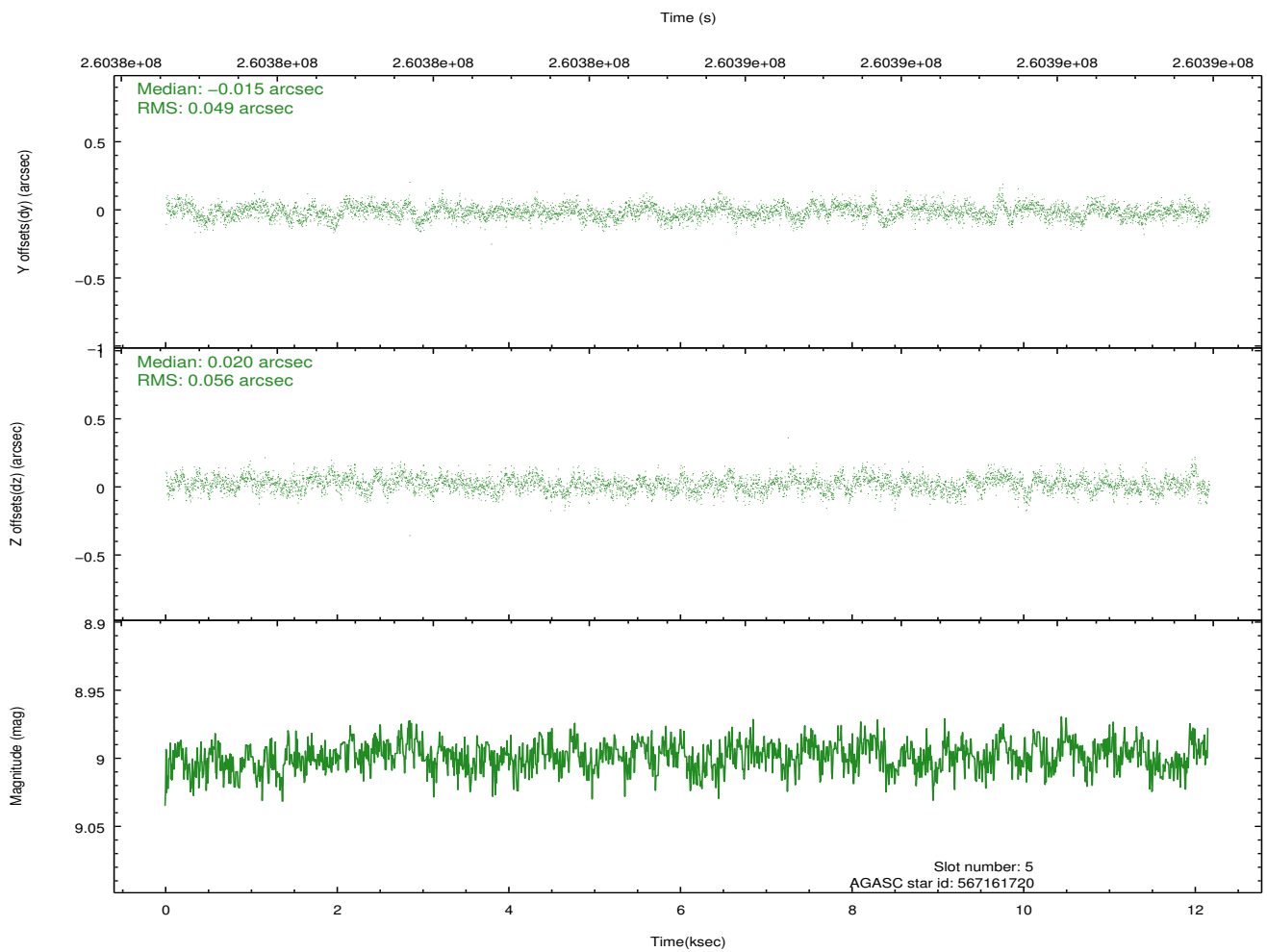
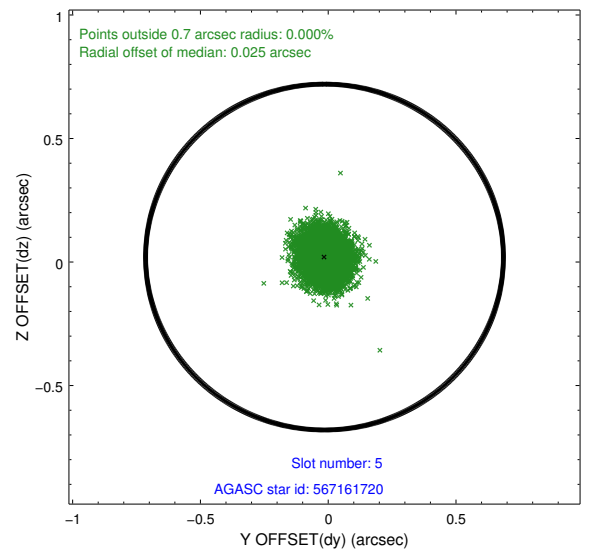
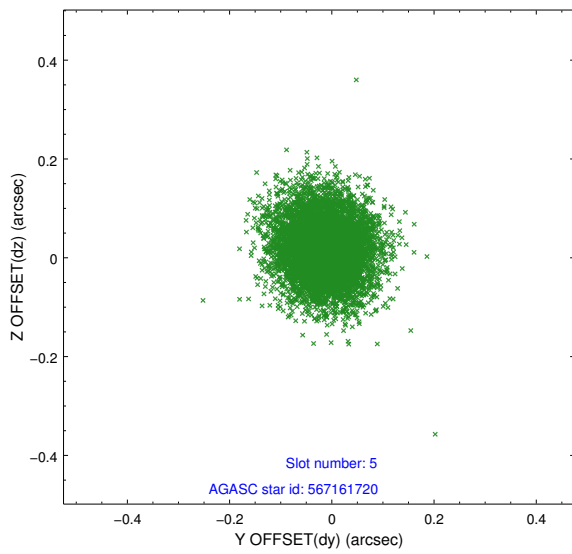
2.4.1 Slot 3



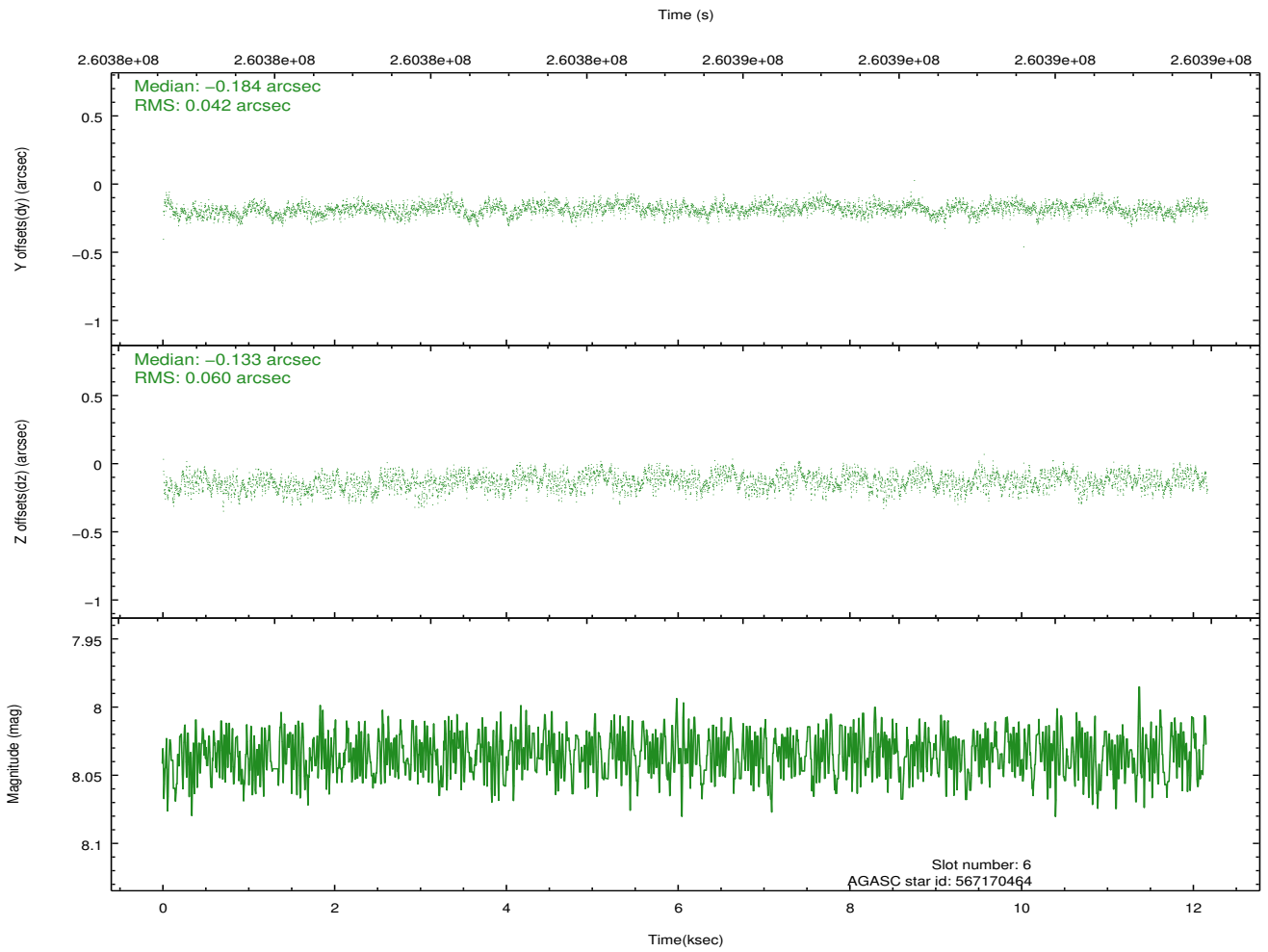
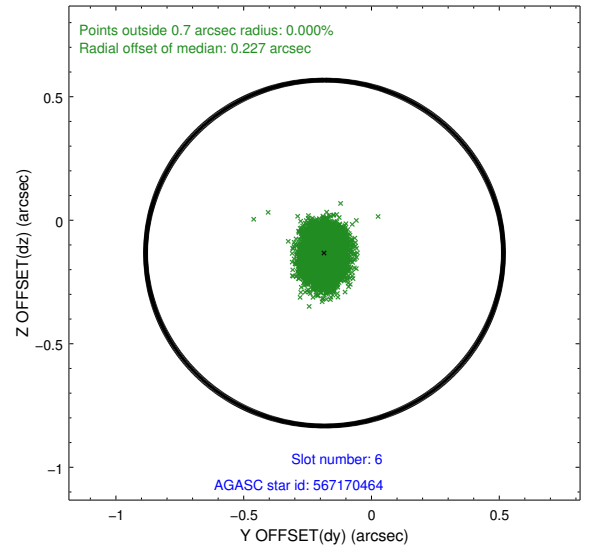
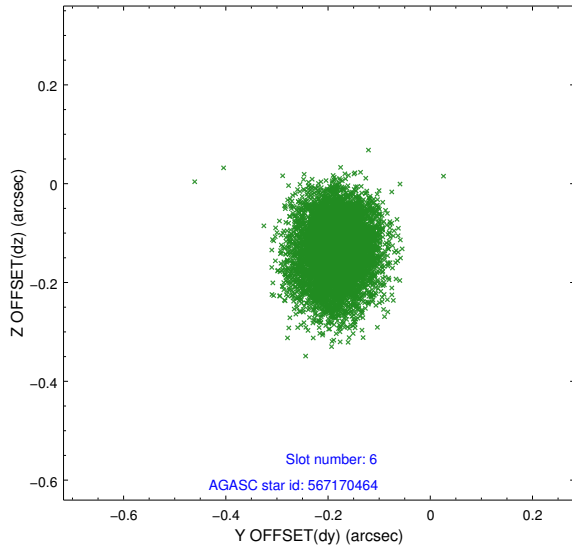
2.4.2 Slot 4



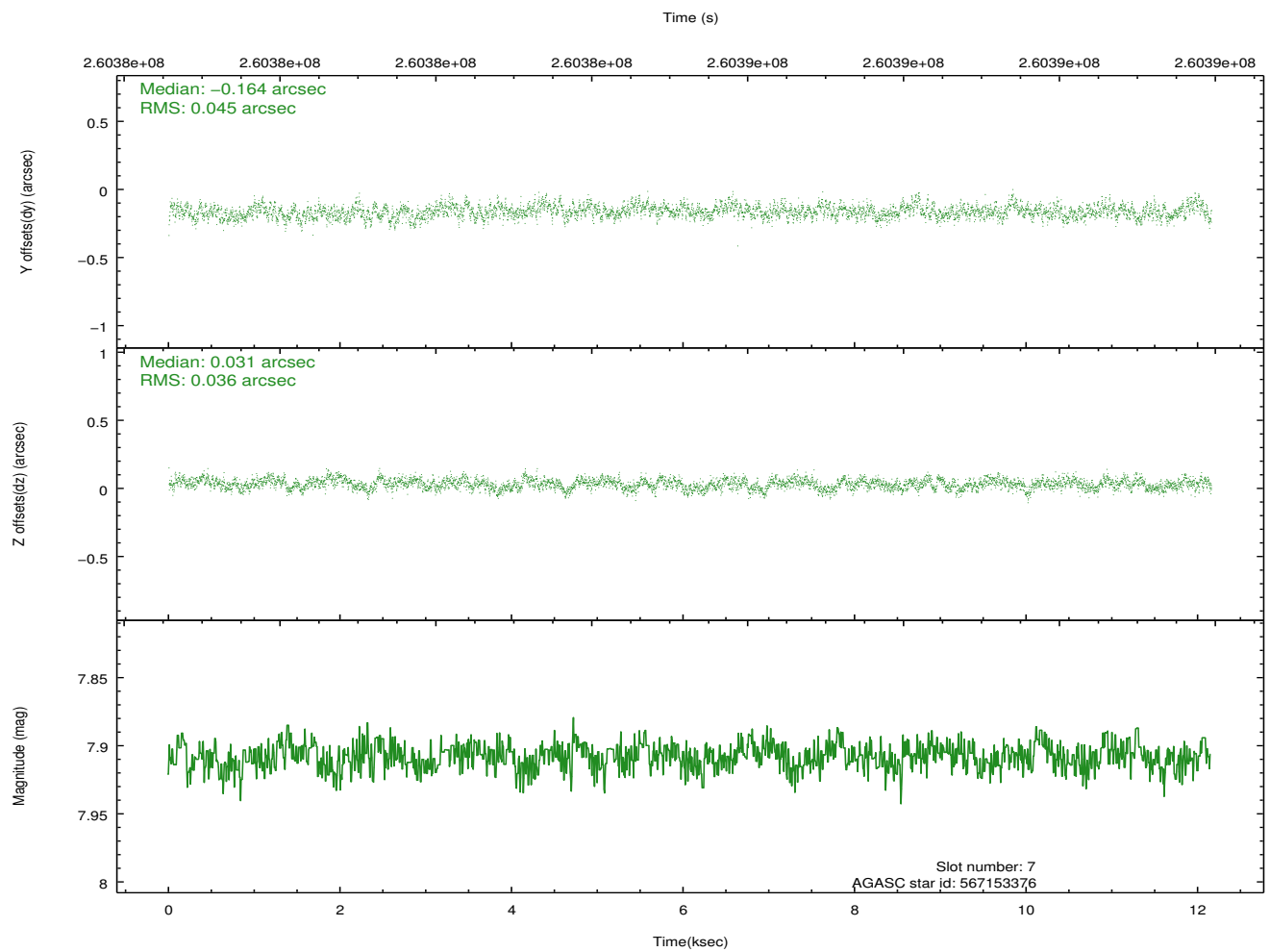
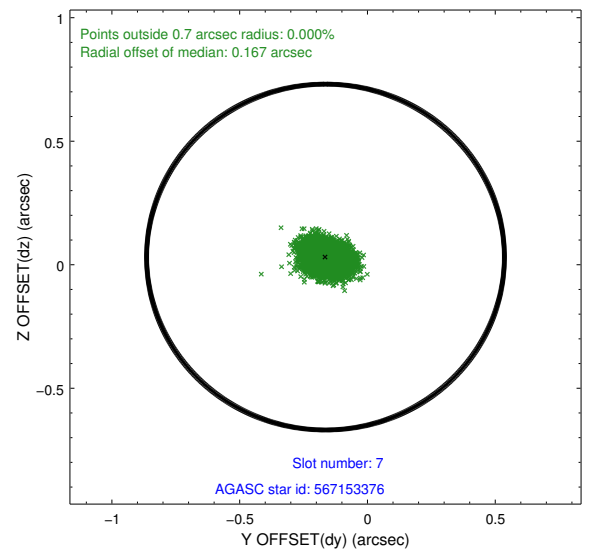
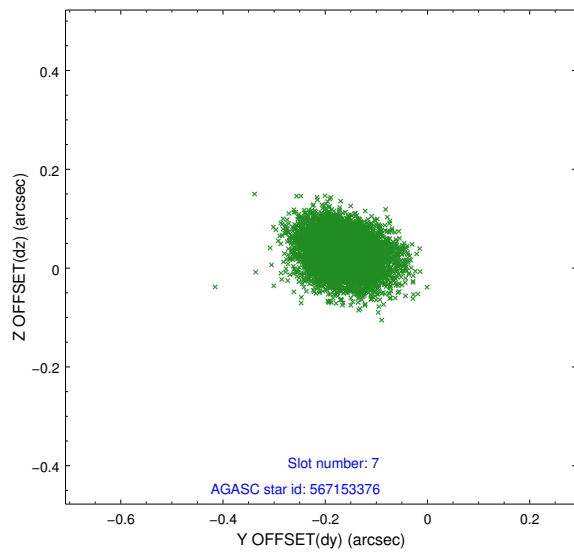
2.4.3 Slot 5



2.4.4 Slot 6

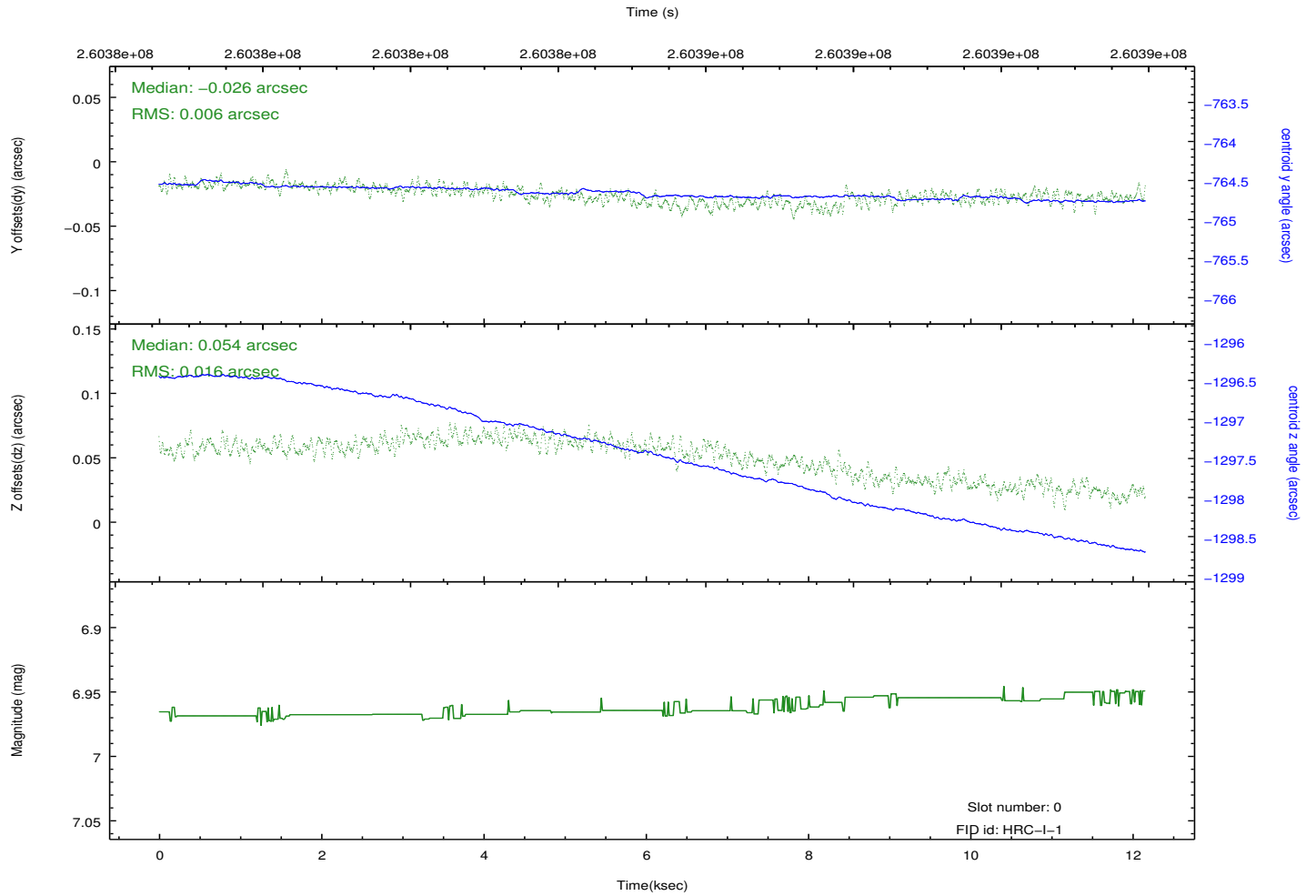
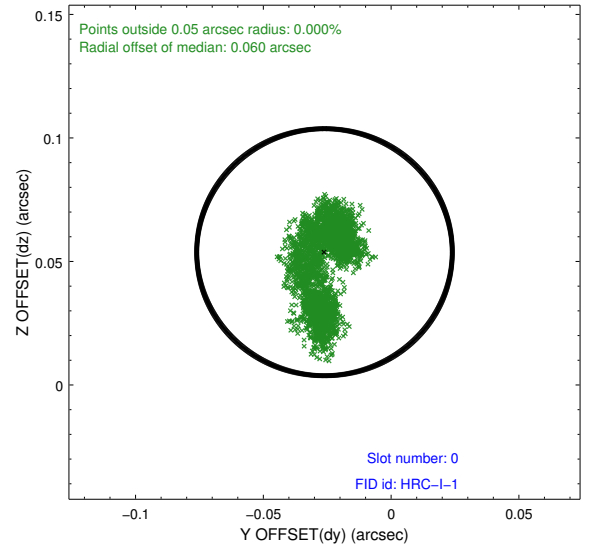
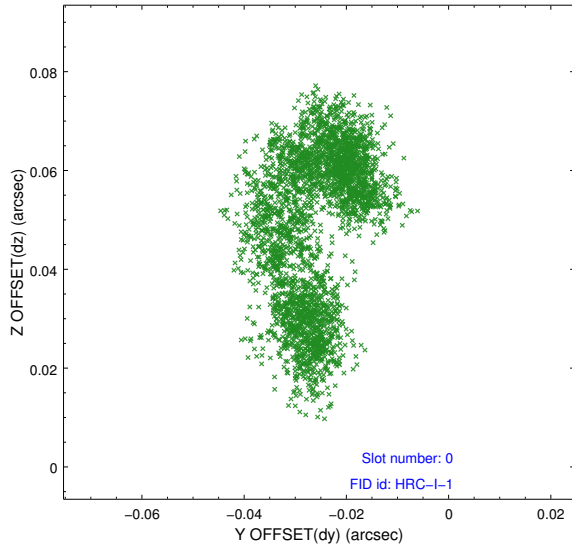


2.4.5 Slot 7

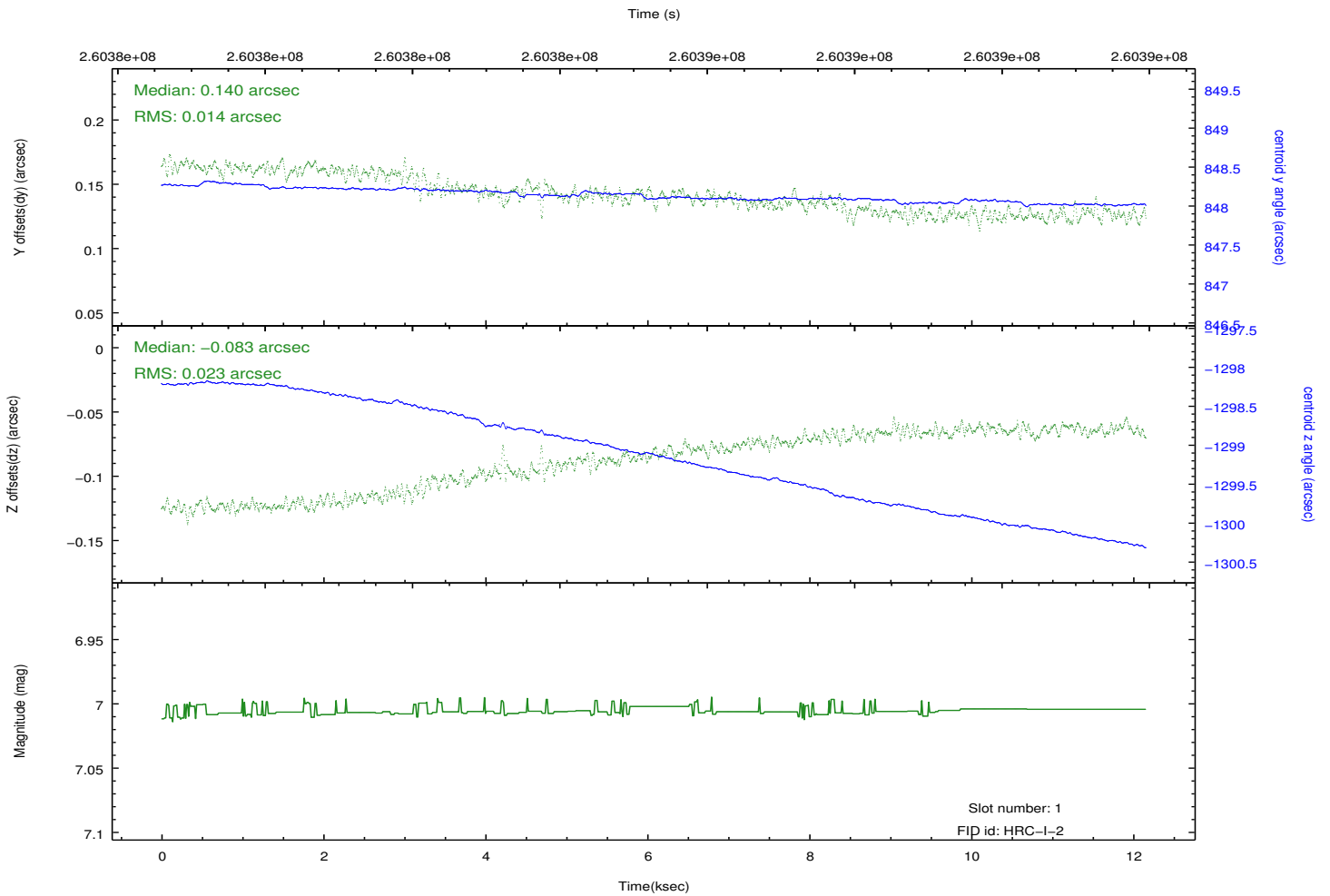
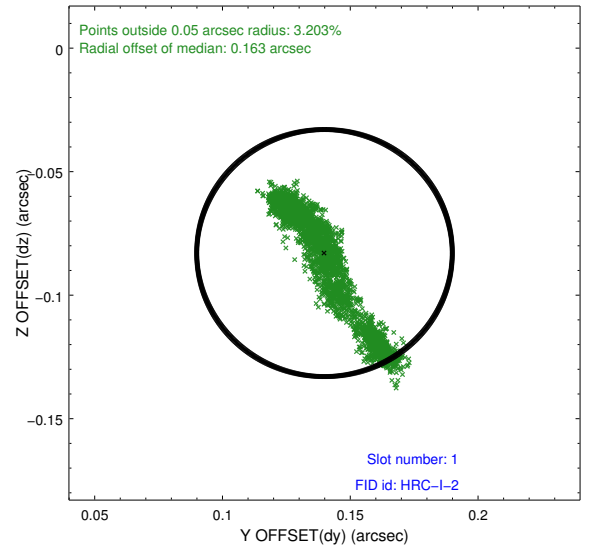
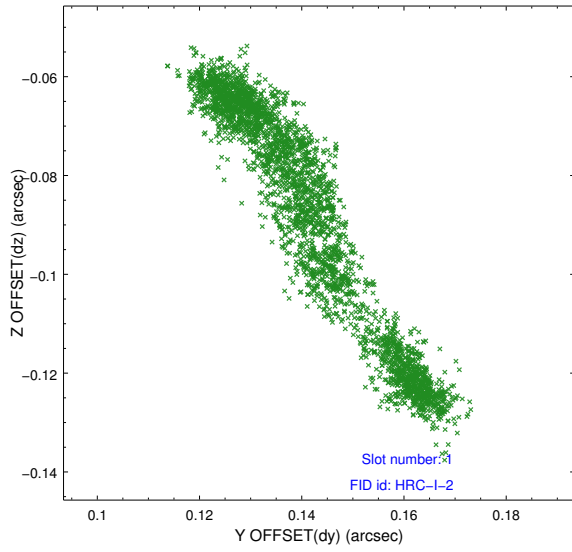


2.5 FID Slots

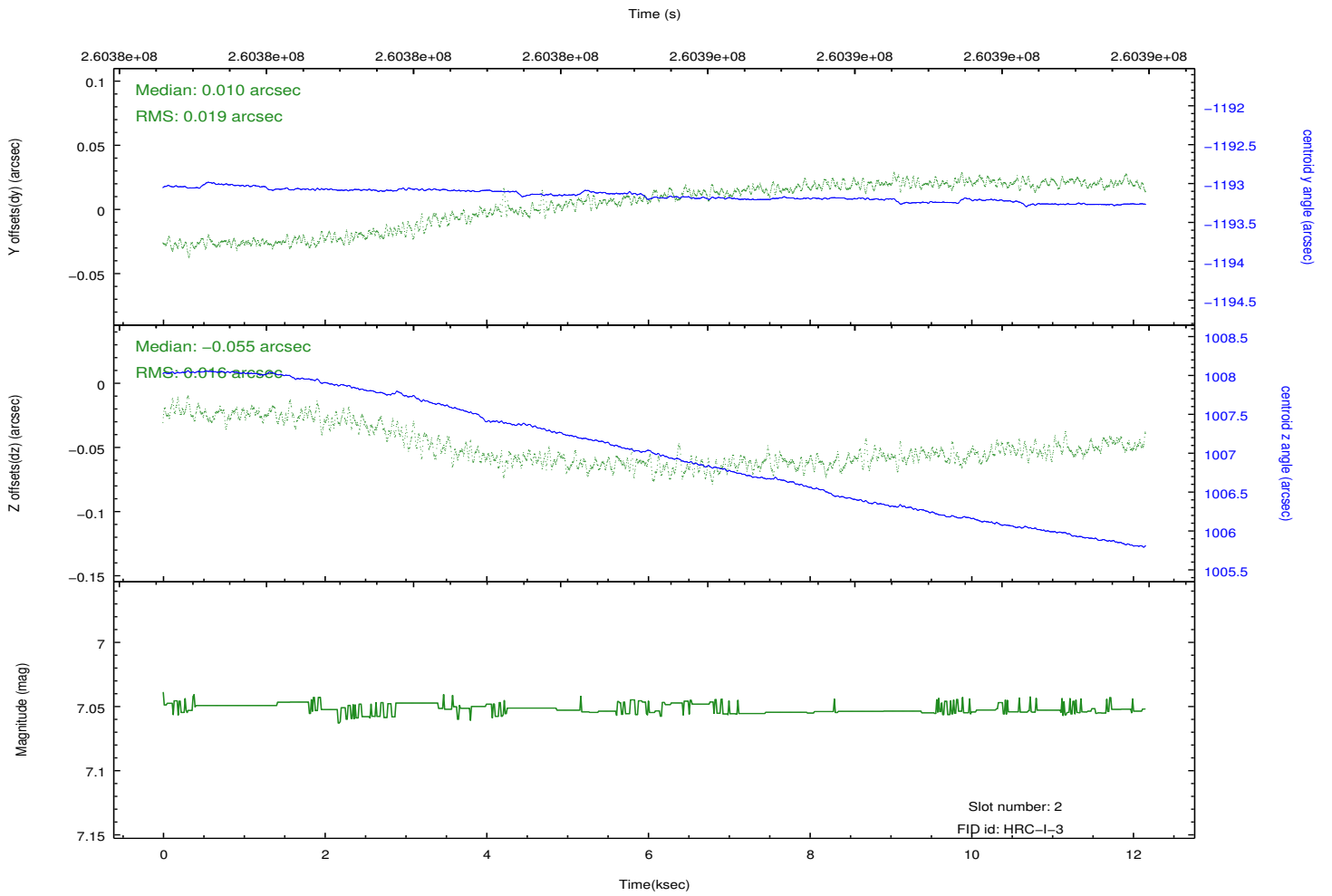
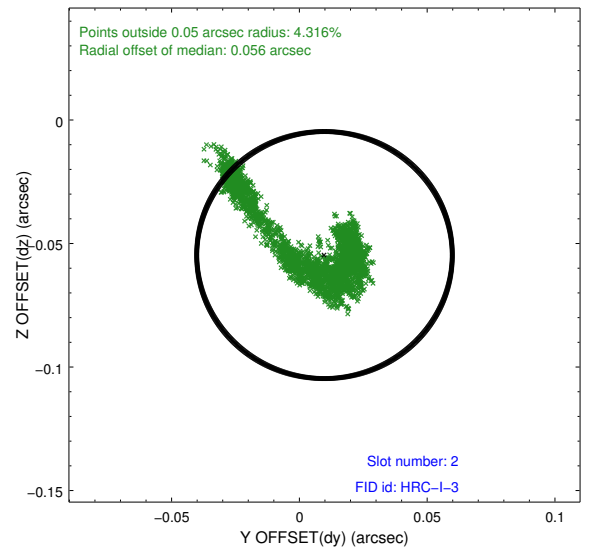
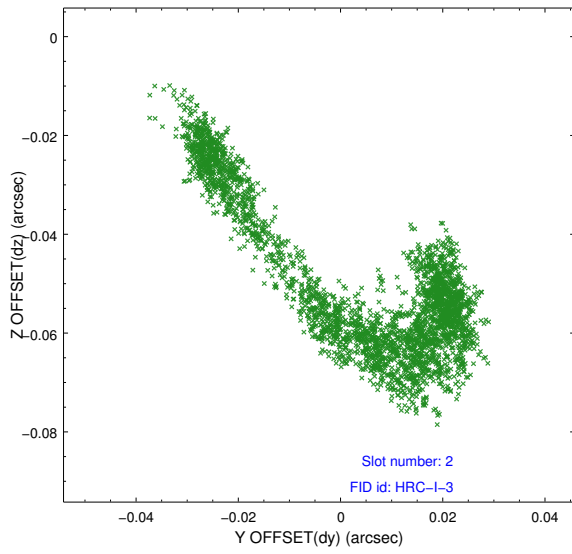
2.5.1 Slot 0



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) | 2012.08.13 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 12.1577818 |

A.2 Comments