

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10634 - L2 Version 3
Chandra X-Ray Center

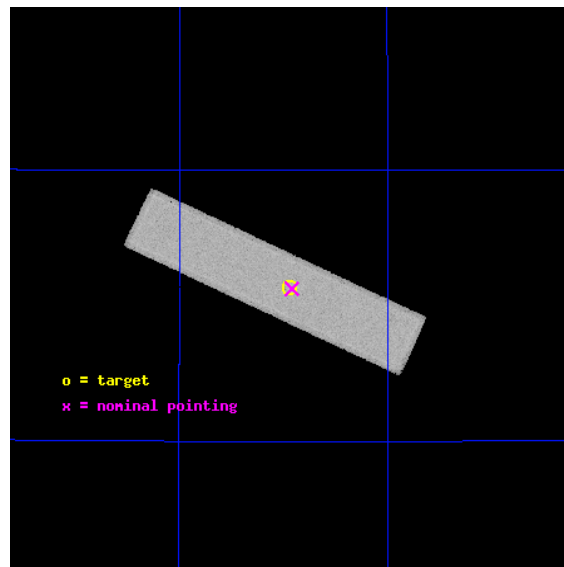
L2 Processing Date : Aug 13 2012

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1 Front

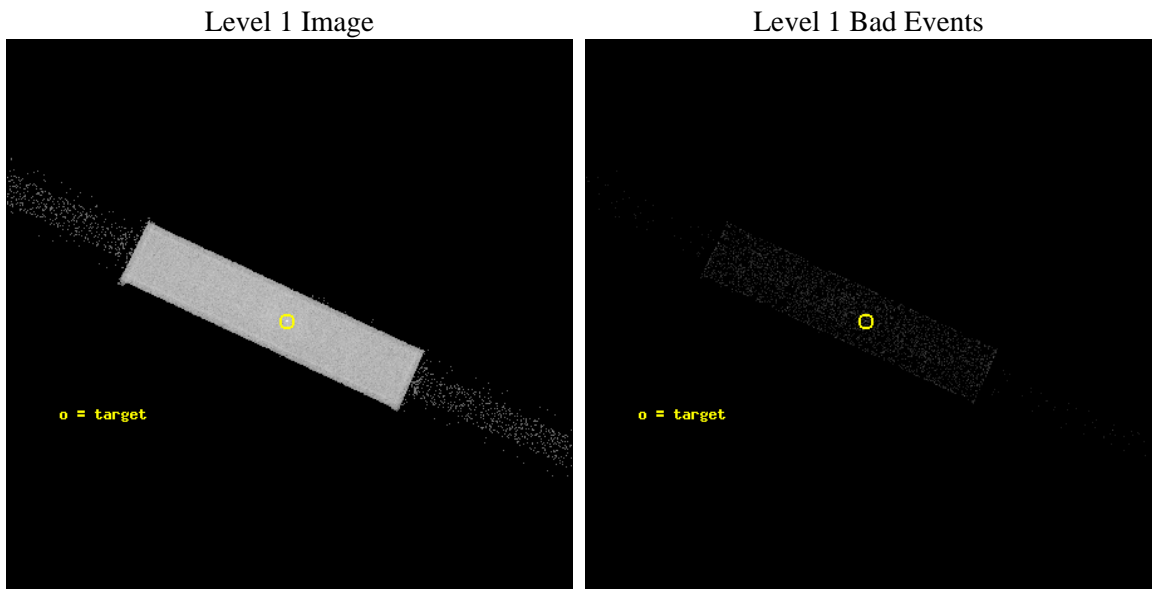
| | | |
|----------|---|---------------------------------------|
| seq_num | 290870 | Sequence number |
| obs_id | 10634 | Observation id |
| title | AO-10 Measurements of the optical/UV Transmission of the HRC Filters. | Proposal title |
| observer | Dr. CXC Calibration | Principal investigator |
| object | Vega | Source name |
| ra_targ | 279.235 | Observer's specified target RA [deg] |
| dec_targ | 38.783778 | Observer's specified target Dec [deg] |
| ra_nom | 279.229521011 | Nominal RA [deg] |
| dec_nom | 38.781697349872 | Nominal Dec [deg] |
| roll_nom | 204.84177377459 | Nominal Roll [deg] |
| revision | 3 | Processing version of data |
| ontime | 2158.9063580632 | [s] |
| livetime | 2139.0811827024 | Ontime multiplied by DTCOR |
| l2events | 139484 | Number of level 2 events |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|---|
| obi_num | 0 | Obi number | sched_exp_time | 2000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 2158.9063580632 | [s] |
| caldbver | 4.5.1.1 | | l1events | 181766 | Number of level 1 events |
| date | 2012-08-13T08:22:33 | Date and time of file creation | | | |
| revision | 3 | Processing version of data | | | |

2.1.3 Events

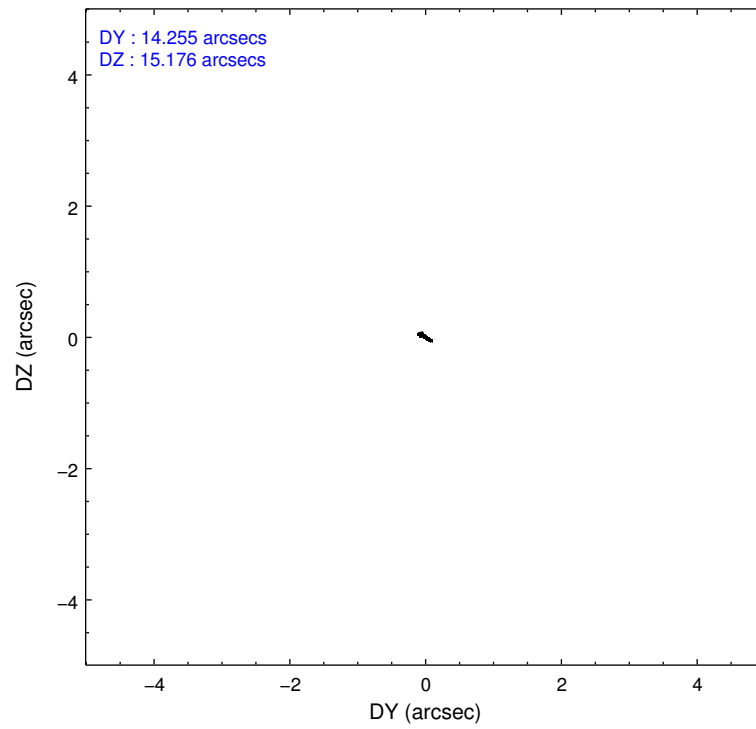
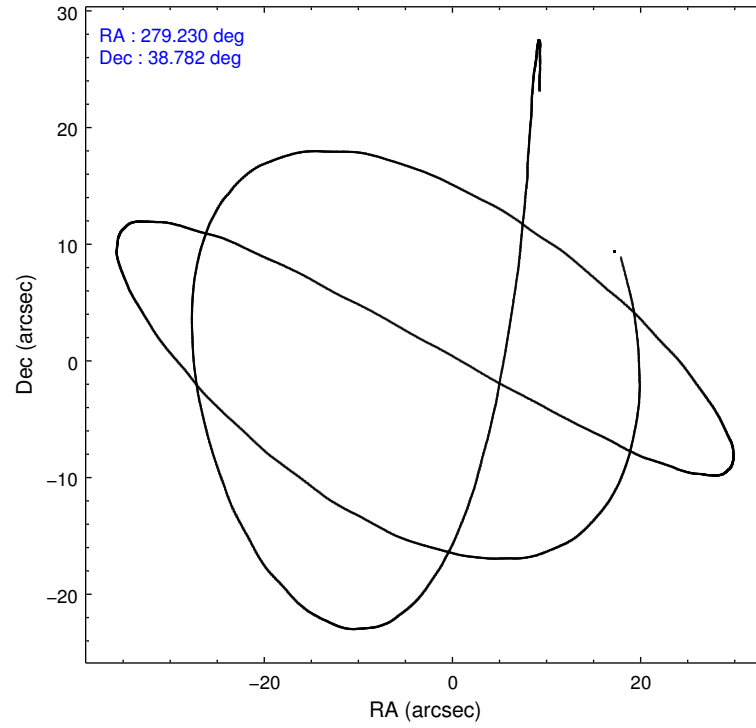
Level 1 Events

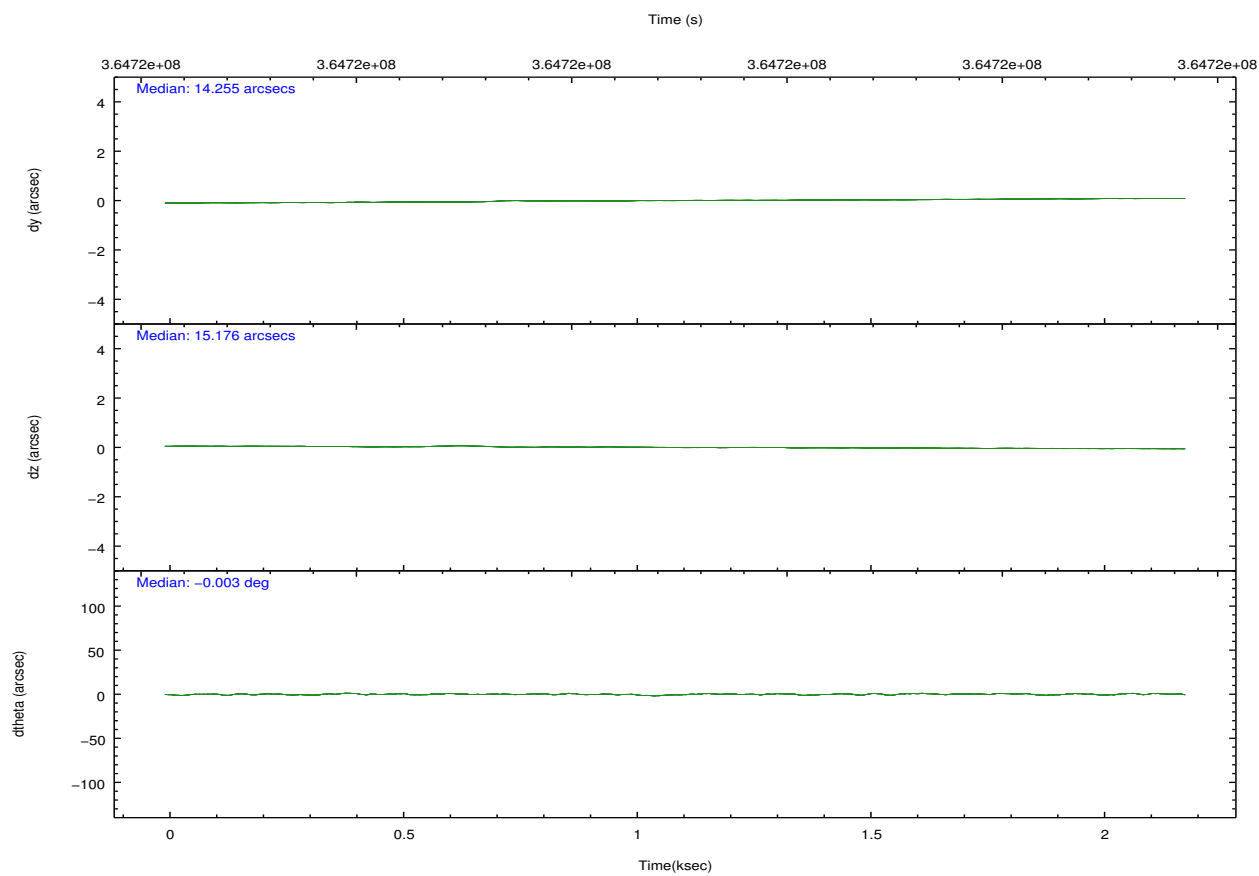
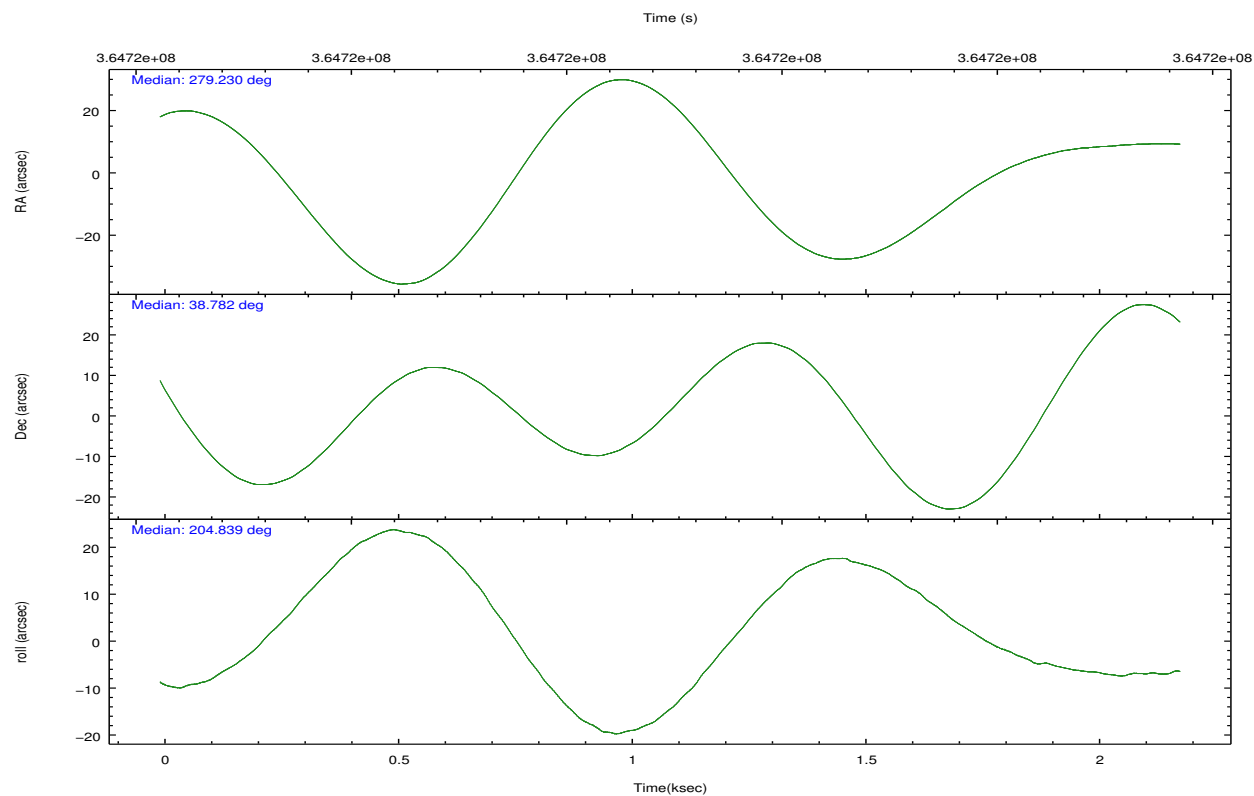
| | segment 1 | segment 2 | segment 3 |
|-----------------|----------------------|----------------------|----------------------|
| level 1 events | 1134 | 179543 | 1089 |
| rejected events | 1134 | 11913 | 1089 |
| rejected % | 100% | 6% | 100% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|-----------------------|----------------------|------------------------------|-----------|---------|
| Instrument | HRC | HRC | Obspar format version number | 7 | 7 |
| Detector | HRC-S | HRC-S | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | OBSERVING | OBSERVING | | | |
| Observation mode | POINTING | POINTING | | | |
| [deg] Pointing RA | 279.249104 | 279.2295210109951 | | | |
| [deg] Pointing Dec | 38.806104 | 38.78169734987206 | | | |
| [deg] Pointing Roll | 204.762170 | 204.8417737745916 | | | |
| [s] Window start time (MET) | 360201666.184000 | 360201666.184000 | | | |
| [s] Window stop time (MET) | 368064066.184000 | 368064066.184000 | | | |
| [mm] SIM focus pos | -1.533336 | -1.526339935833849 | | | |
| [mm] SIM defocus | 7.710433287538843e-07 | 0.006996703570447904 | | | |
| [mm] SIM translation stage pos | 250.455976 | 250.466033080201 | | | |
| [mm] SIM translation stage offset | 0 | -0.01005468664627074 | | | |
| [s] Observation start time (MET) | 364717324.184000 | 364716944.5339 | | | |
| Observation start date | 2009-07-23T06:20:58 | 2009-07-23T06:15:44 | | | |
| [s] Observation end time (MET) | 364719324.184000 | 364719457.83403 | | | |
| Observation end date | 2009-07-23T06:54:18 | 2009-07-23T06:57:37 | | | |

2.3 Aspect



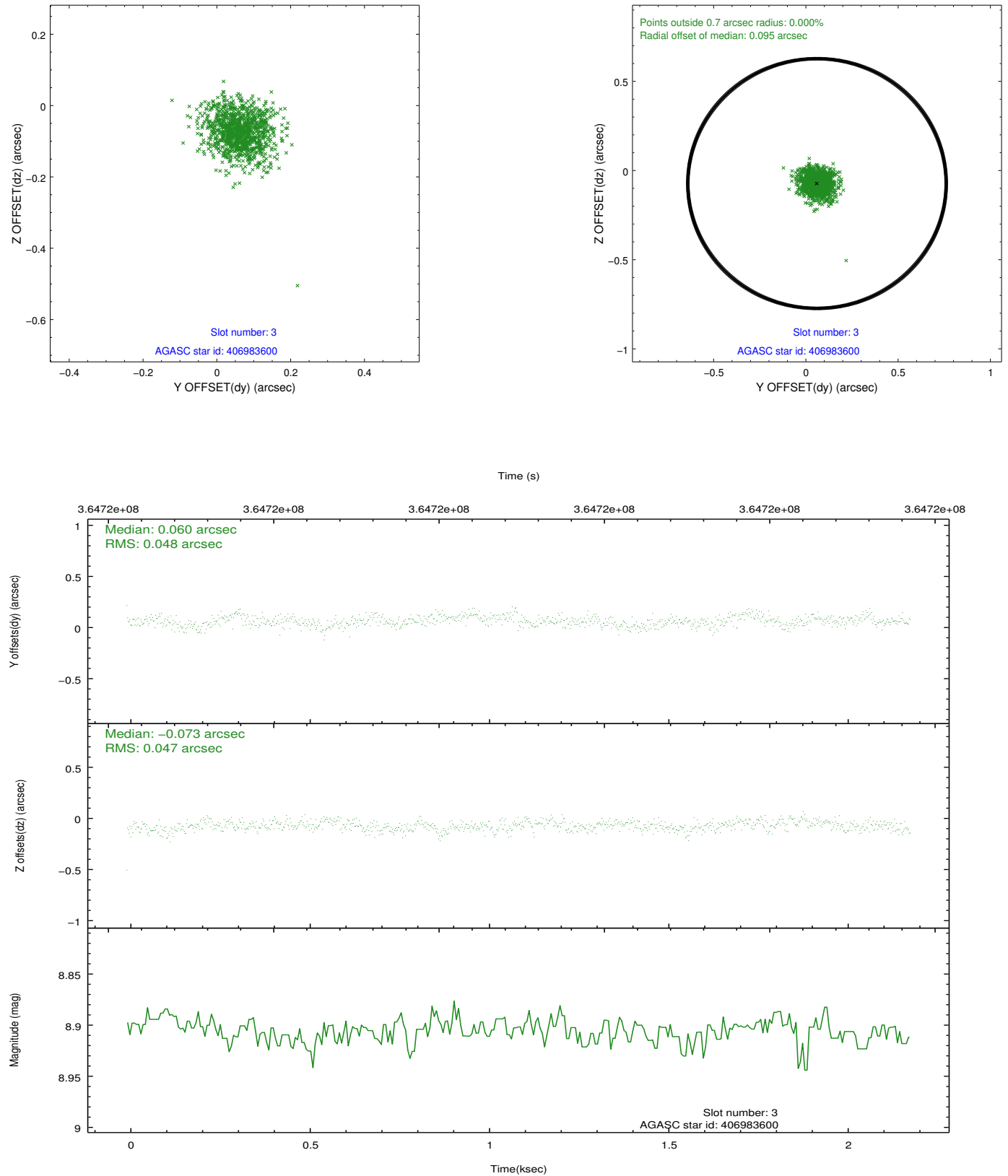


Slot Statistics

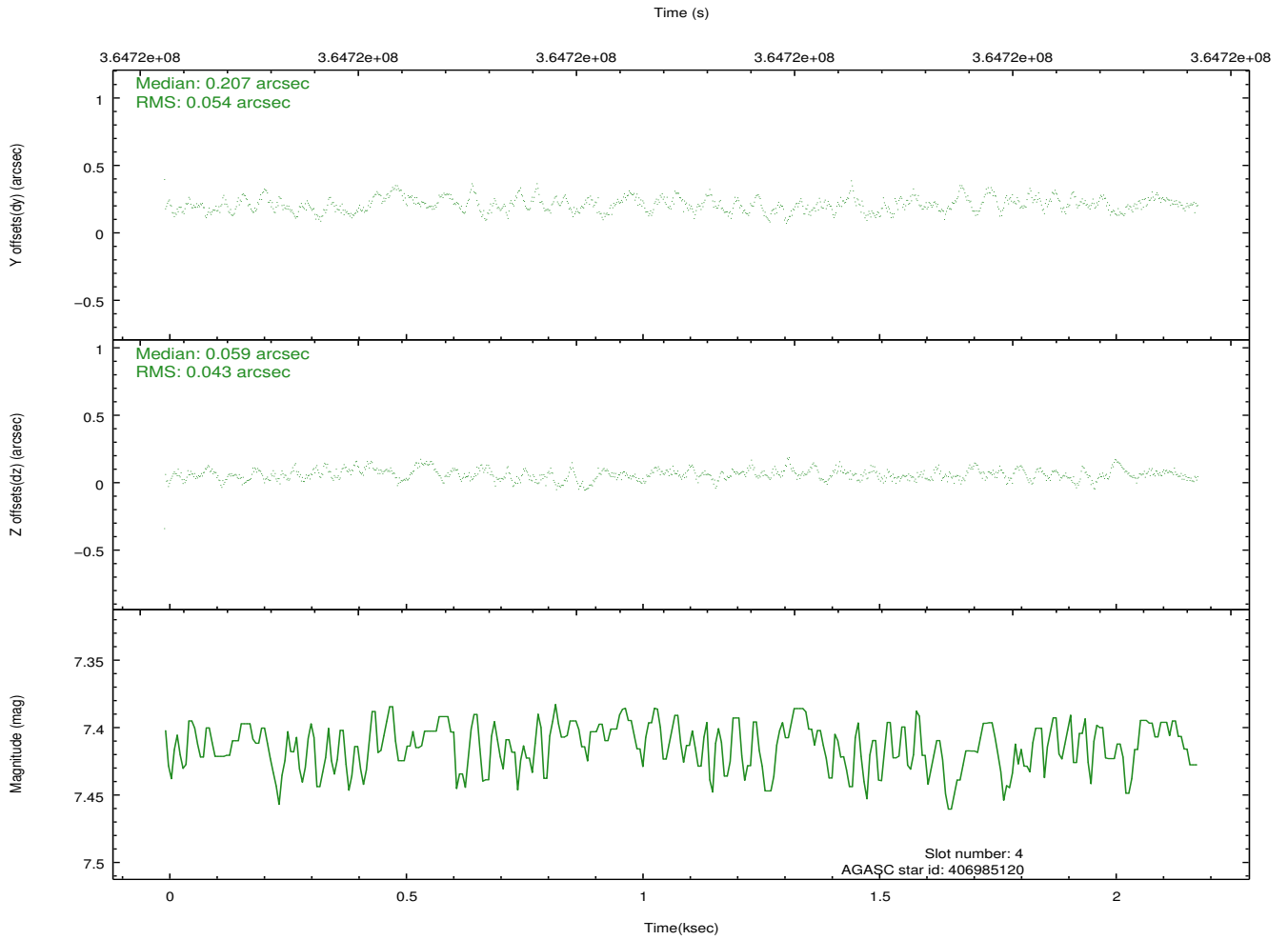
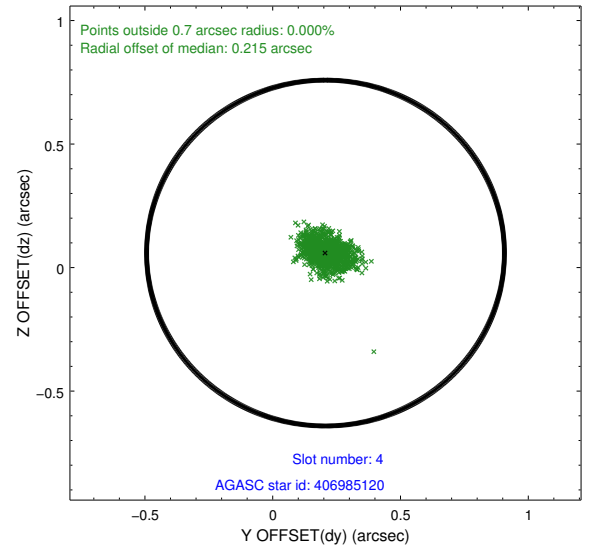
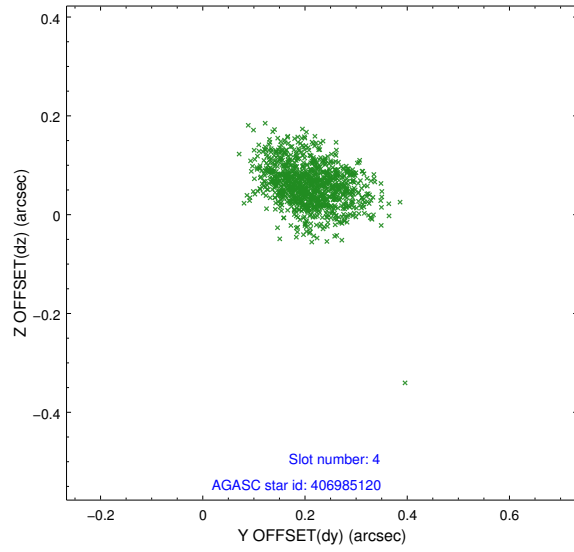
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 7.02 | 533 | 0.087 | -0.220 | 0.007 | 0.011 | 0.000000 | 0.000000 | -1168.62 | -464.08 |
| 1 | FID | HRC-S-2 | 7.00 | 532 | 0.198 | -0.111 | 0.004 | 0.008 | 0.000000 | 0.000000 | 1228.96 | -457.50 |
| 2 | FID | HRC-S-3 | 7.02 | 533 | 0.105 | 0.029 | 0.007 | 0.011 | 0.000000 | 0.000000 | -1169.01 | 564.83 |
| 3 | GUIDE | 406983600 | 8.91 | 1066 | 0.060 | -0.073 | 0.070 | 0.117 | 279.940957 | 39.020708 | -2083.83 | 102.83 |
| 4 | GUIDE | 406985120 | 7.41 | 1066 | 0.207 | 0.059 | 0.073 | 0.115 | 278.839732 | 38.894839 | 905.30 | -773.09 |
| 5 | GUIDE | 407521232 | 8.63 | 1065 | 0.080 | 0.204 | 0.080 | 0.129 | 279.628883 | 39.431715 | -1901.91 | -1605.85 |
| 6 | GUIDE | 406987272 | 6.94 | 1066 | -0.257 | -0.113 | 0.057 | 0.091 | 278.536588 | 38.437504 | 2375.30 | 353.80 |
| 7 | GUIDE | 406993992 | 7.62 | 1065 | -0.092 | -0.080 | 0.068 | 0.108 | 279.053714 | 38.034587 | 1668.36 | 2289.74 |

2.4 Star Slots

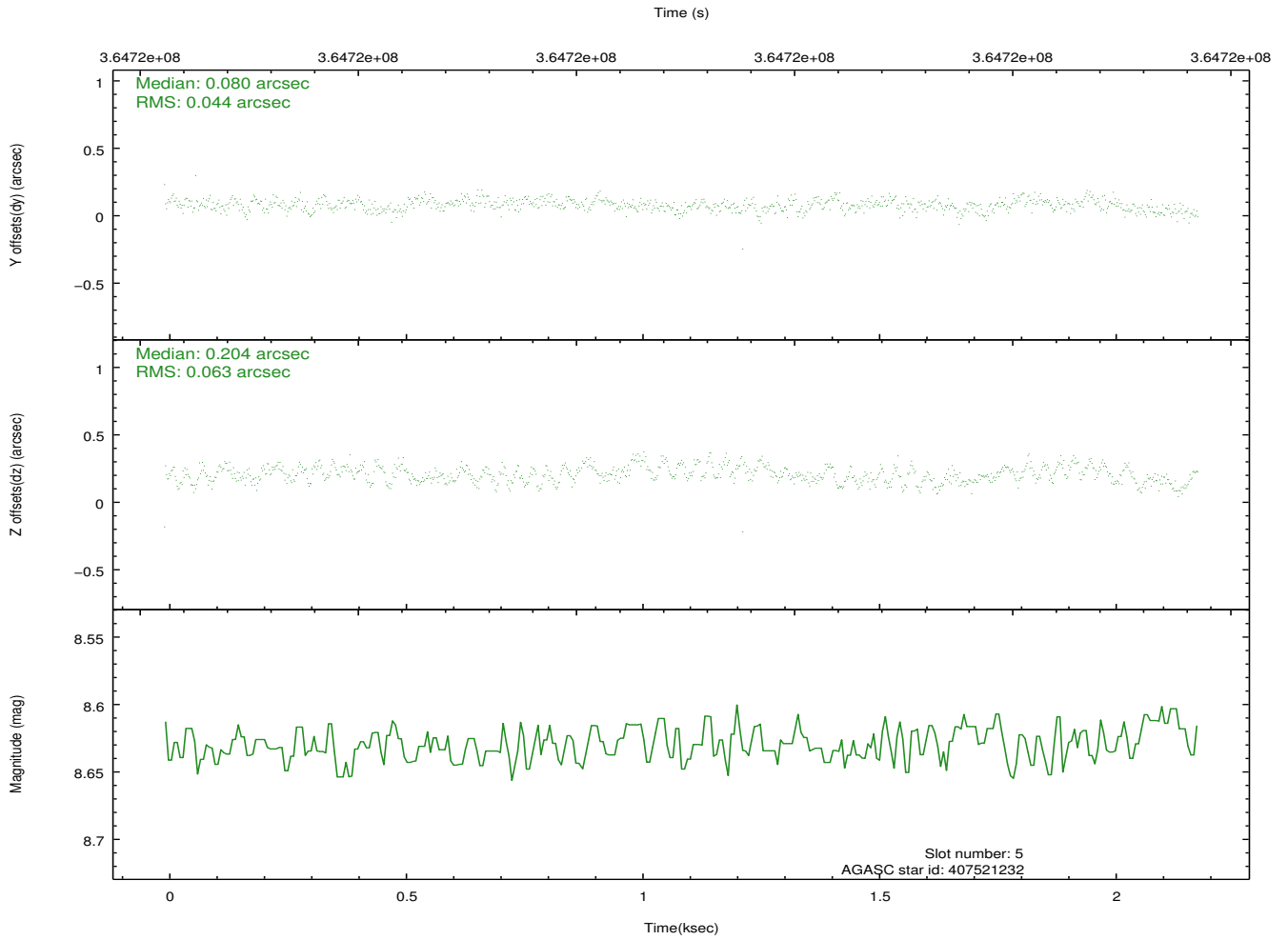
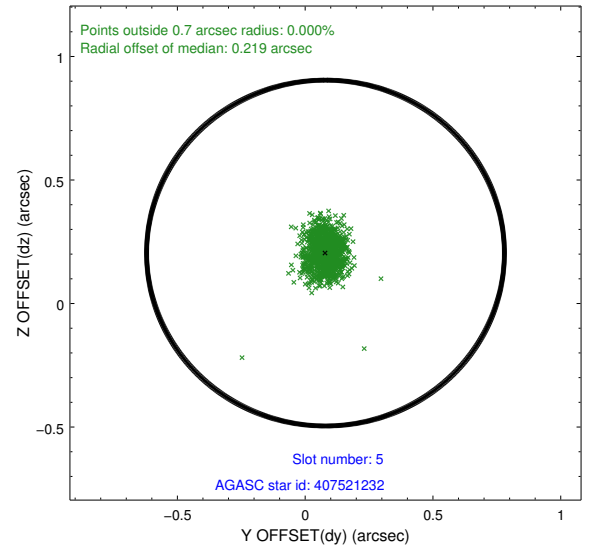
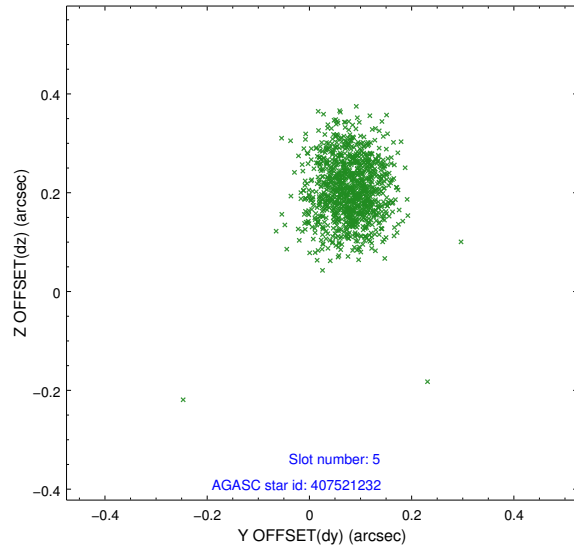
2.4.1 Slot 3



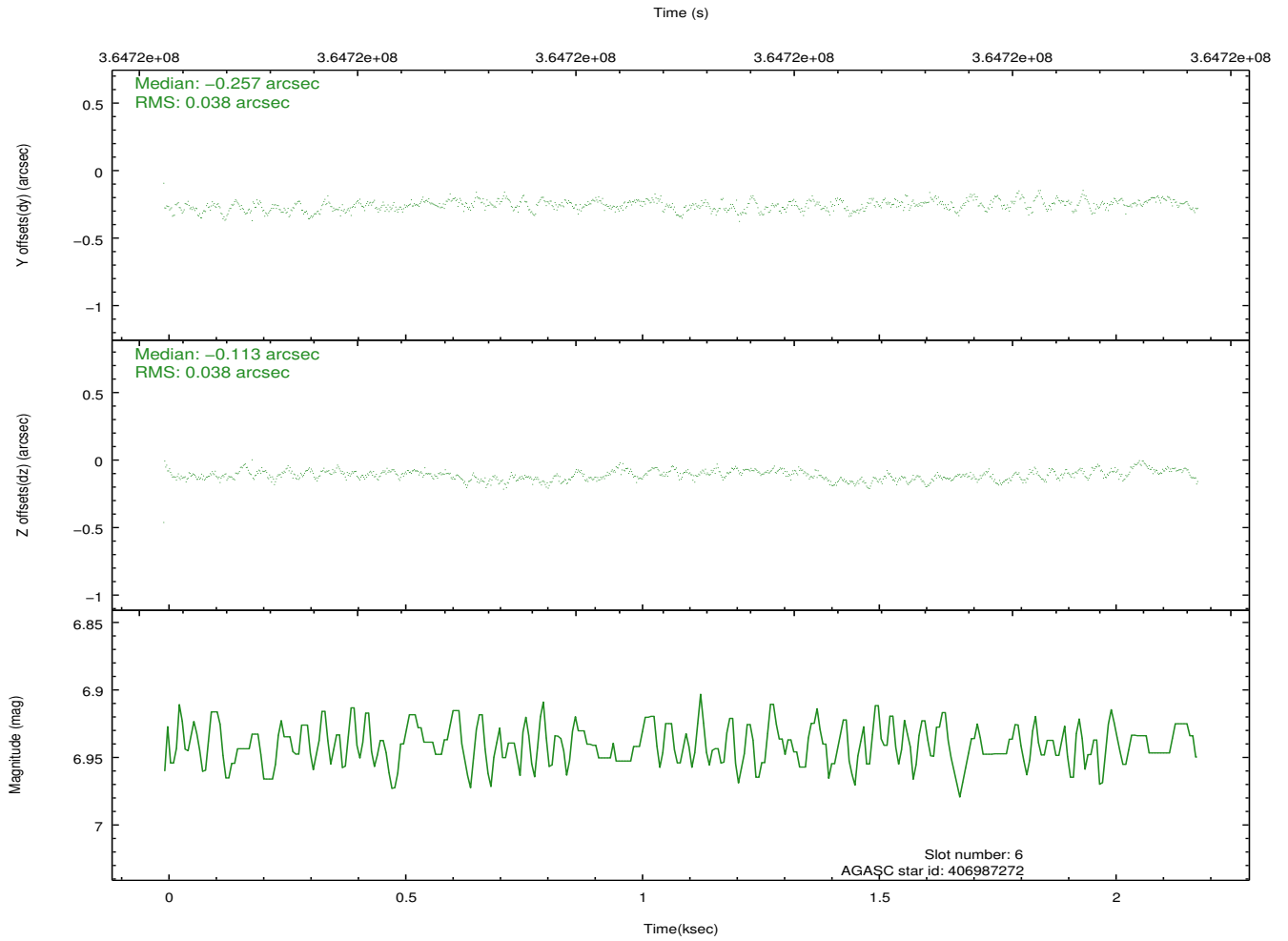
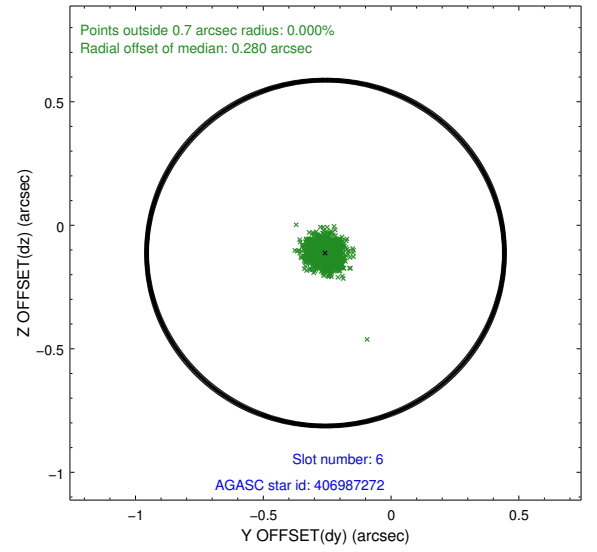
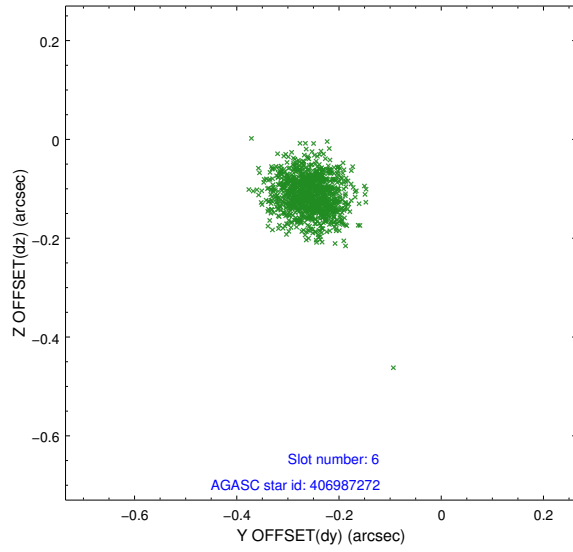
2.4.2 Slot 4



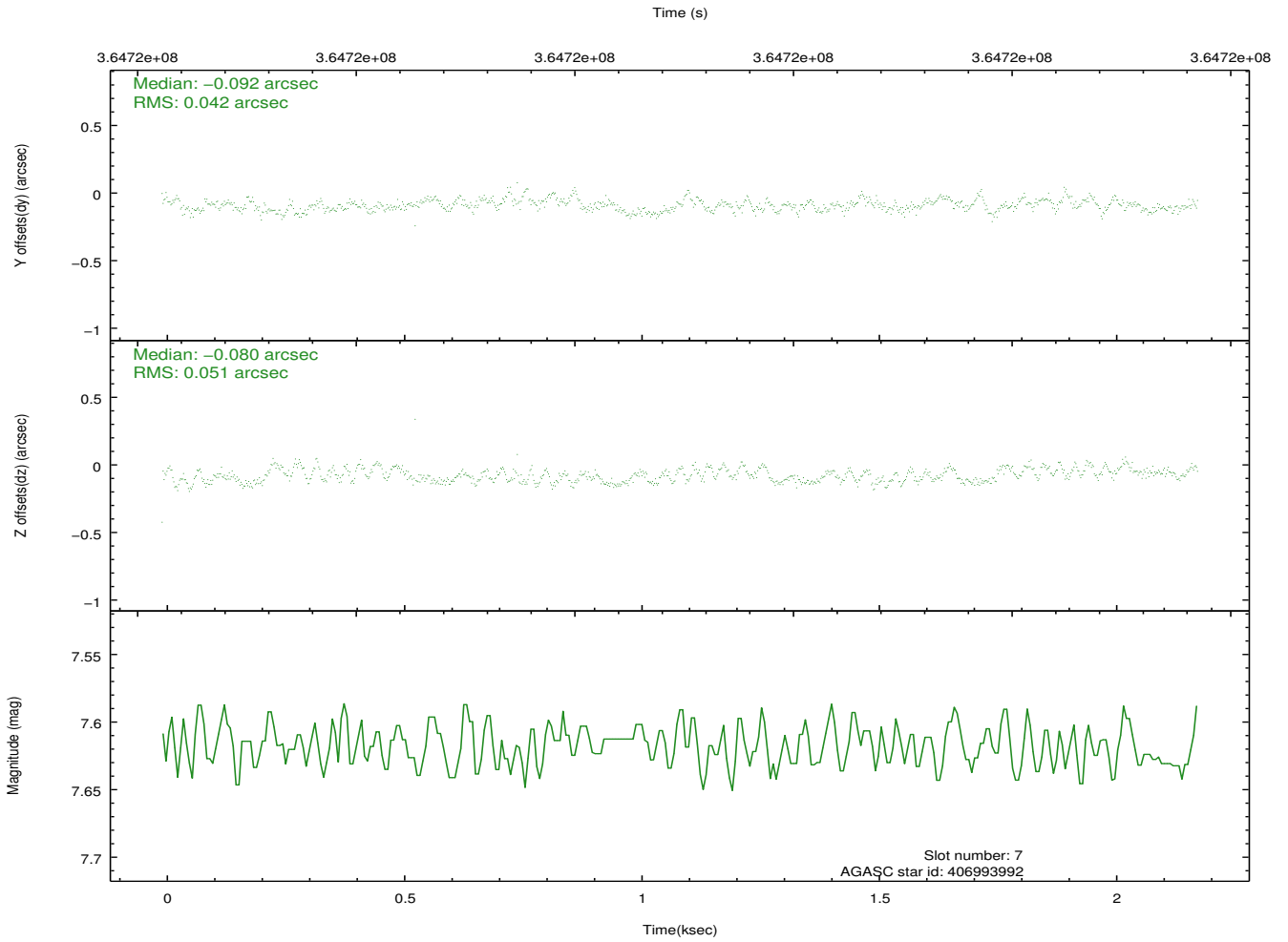
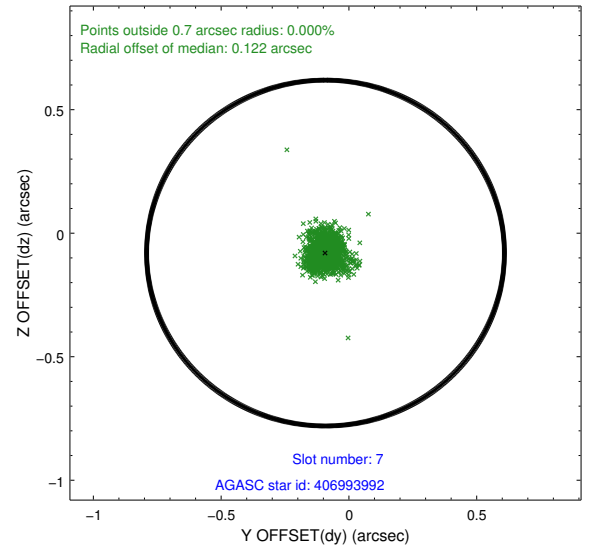
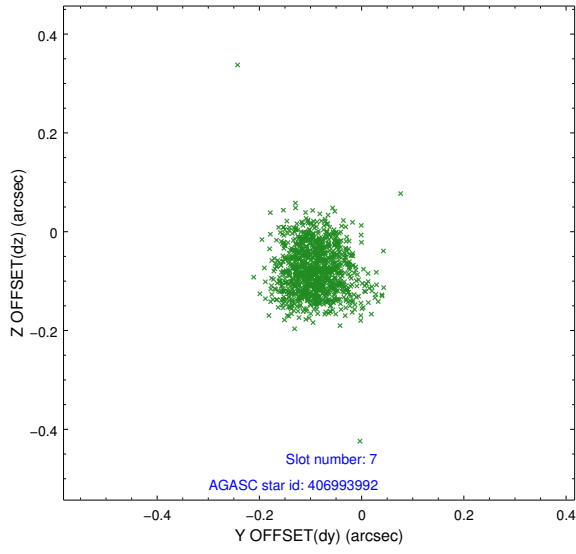
2.4.3 Slot 5



2.4.4 Slot 6

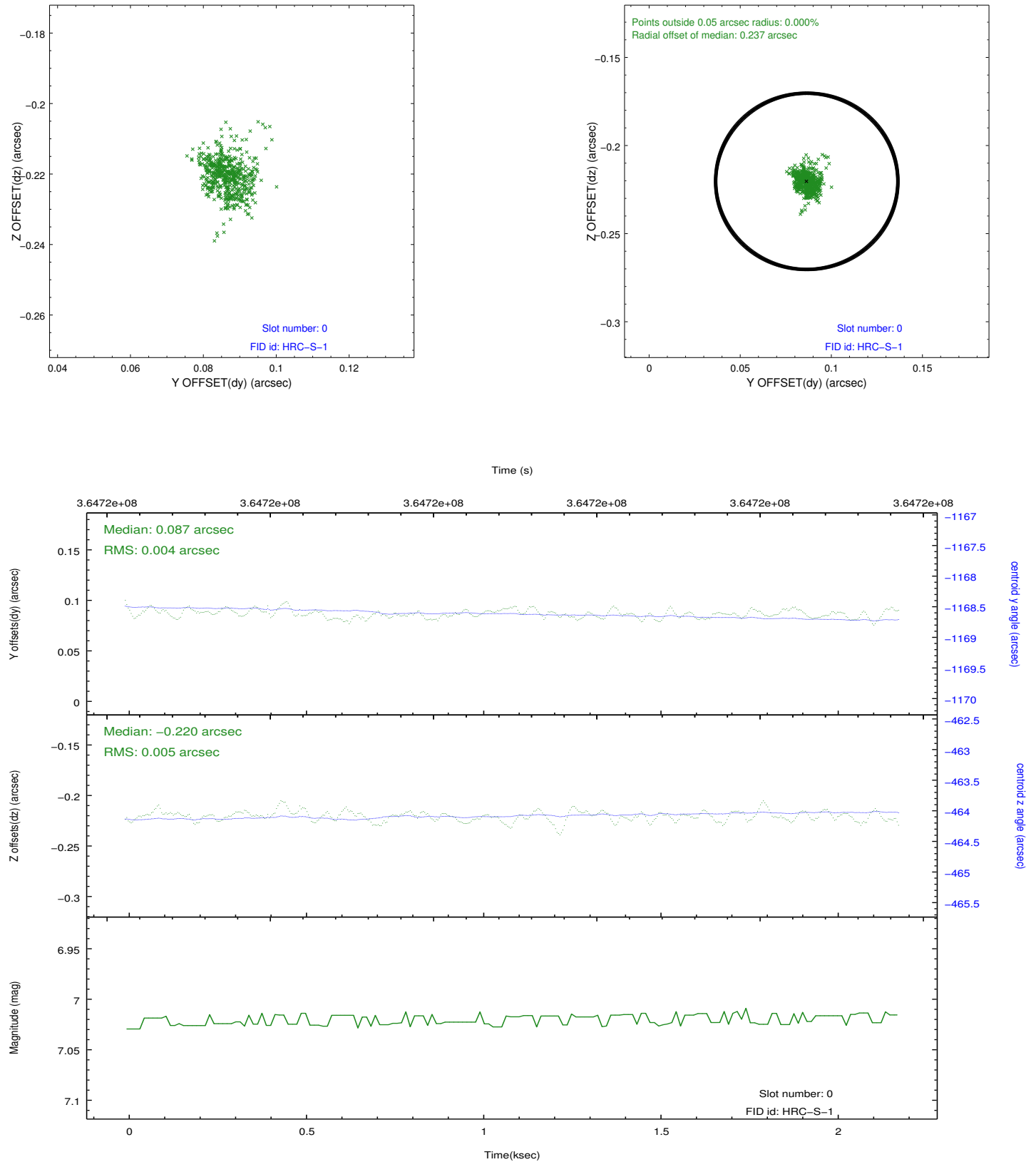


2.4.5 Slot 7

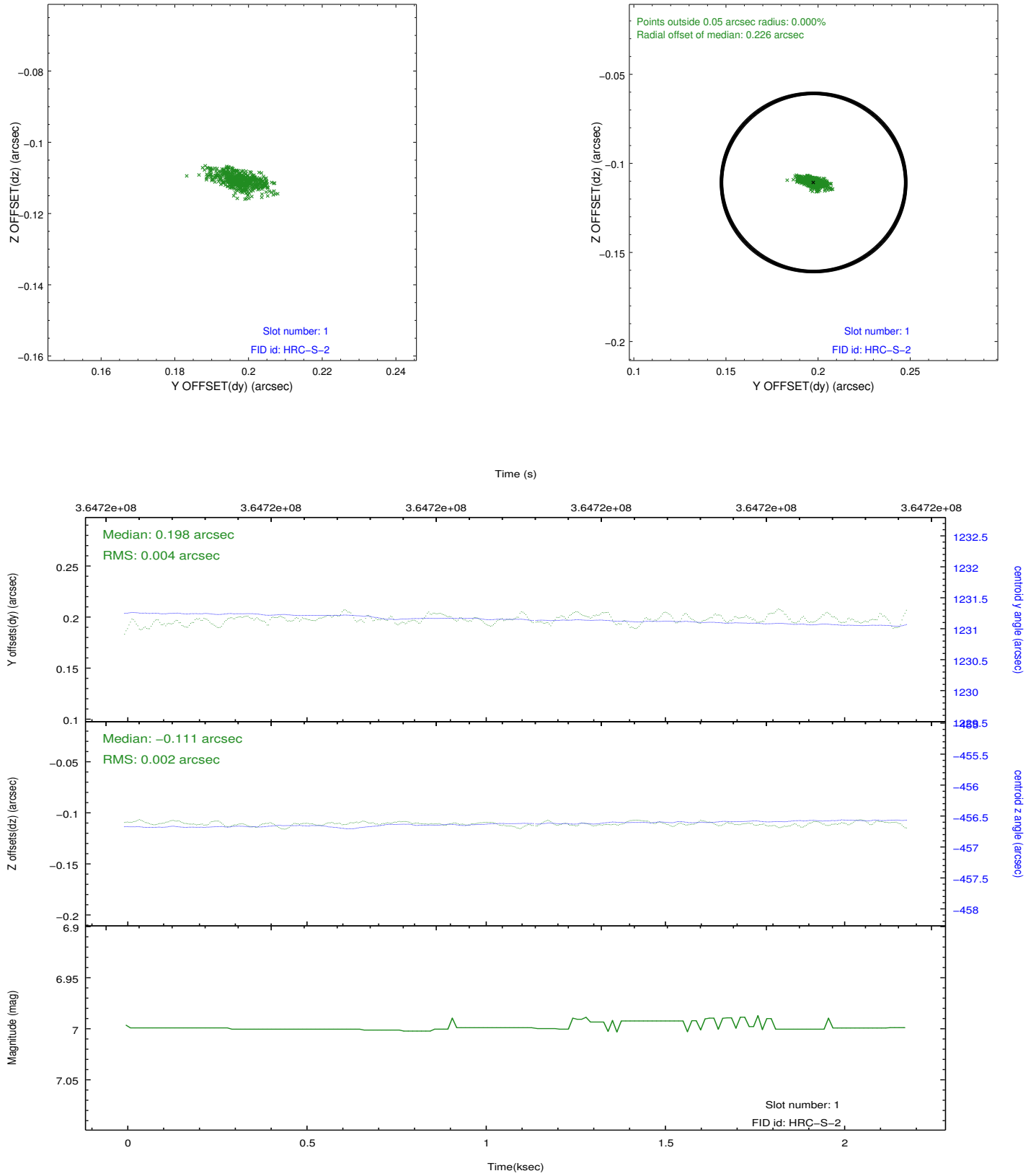


2.5 FID Slots

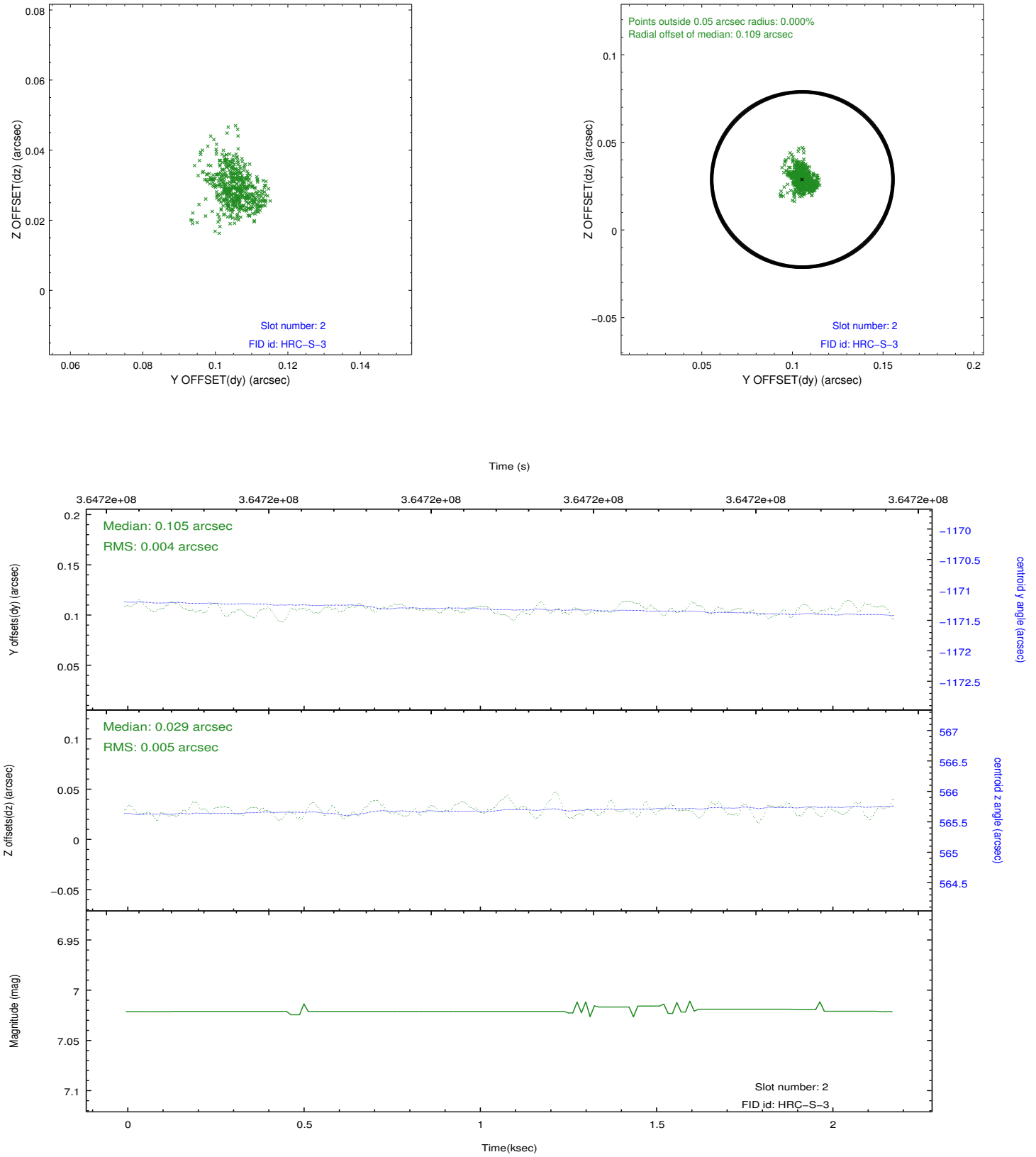
2.5.1 Slot 0



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) | 2012.08.20 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 2.158906357944 |

A.2 Comments

Window constraint met.