

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2886 - L2 Version 4
Chandra X-Ray Center

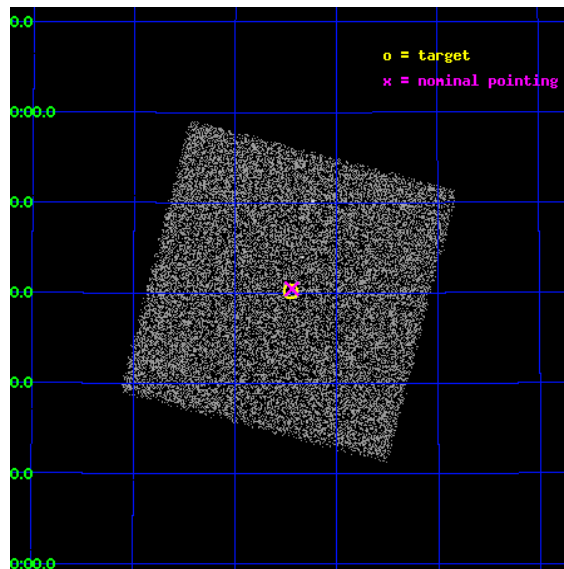
L2 Processing Date : Sep 23 2012

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1 Front

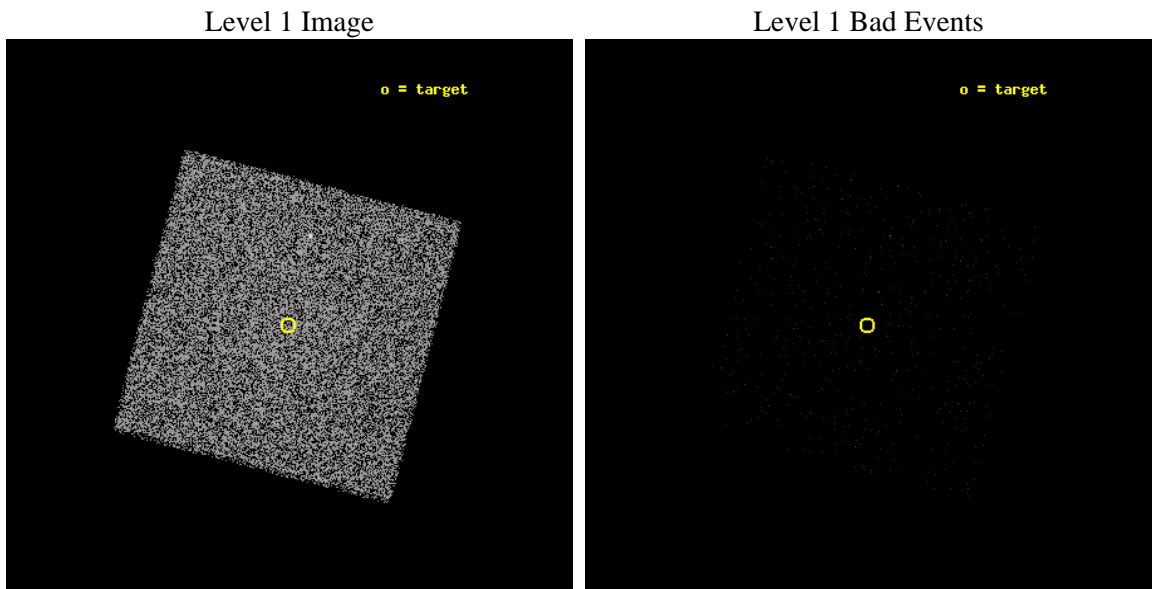
| | | |
|----------|--|---------------------------------------|
| seq_num | 600223 | Sequence number |
| obs_id | 2886 | Observation id |
| title | SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST | Proposa |
| observer | Dr. Michael Garcia | Principal investigator |
| object | M31-S2 | Source name |
| ra_targ | 10.112917 | Observer's specified target RA [deg] |
| dec_targ | 40.67 | Observer's specified target Dec [deg] |
| ra_nom | 10.109821091654 | Nominal RA [deg] |
| dec_nom | 40.674572254271 | Nominal Dec [deg] |
| roll_nom | 149.60963115648 | Nominal Roll [deg] |
| revision | 4 | Processing version of data |
| ontime | 871.50628444552 | [s] |
| livetime | 866.41313392823 | Ontime multiplied by DTCOR |
| l2events | 29596 | 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 | 1000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 871.50628444552 | [s] |
| caldbver | 4.5.1.1 | | l1events | 50760 | Number of level 1 events |
| date | 2012-09-23T15:04:15 | Date and time of file creation | | | |
| revision | 4 | Processing version of data | | | |

2.1.3 Events

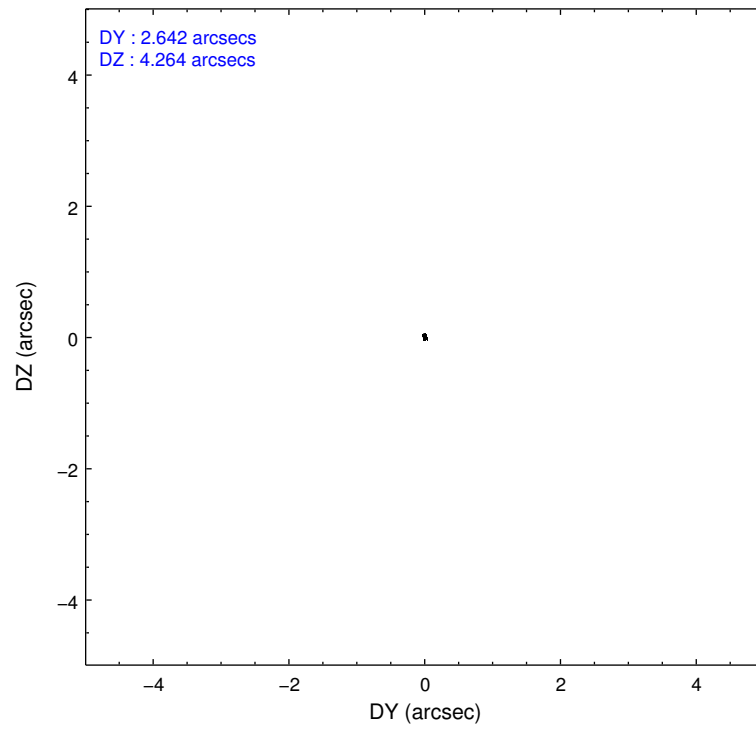
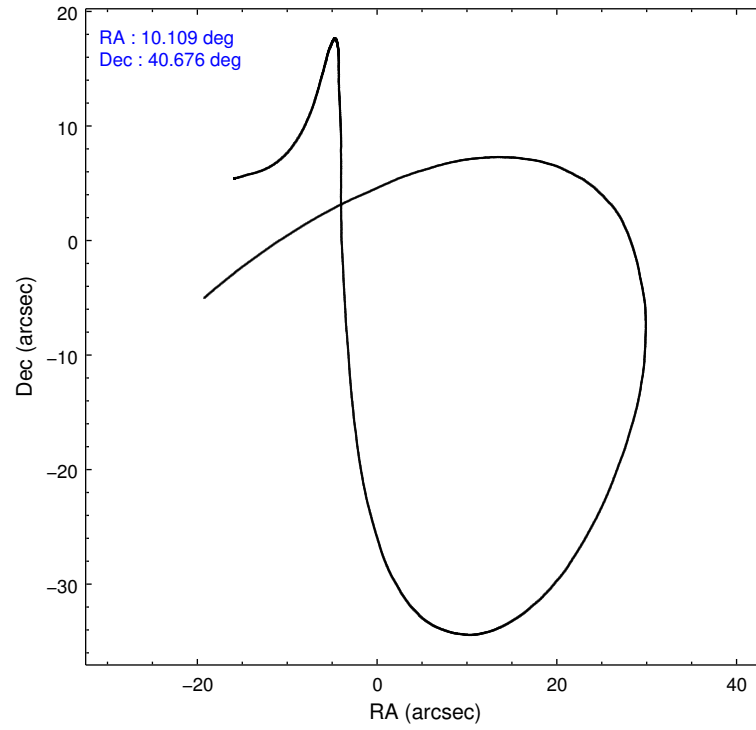
Level 1 Events

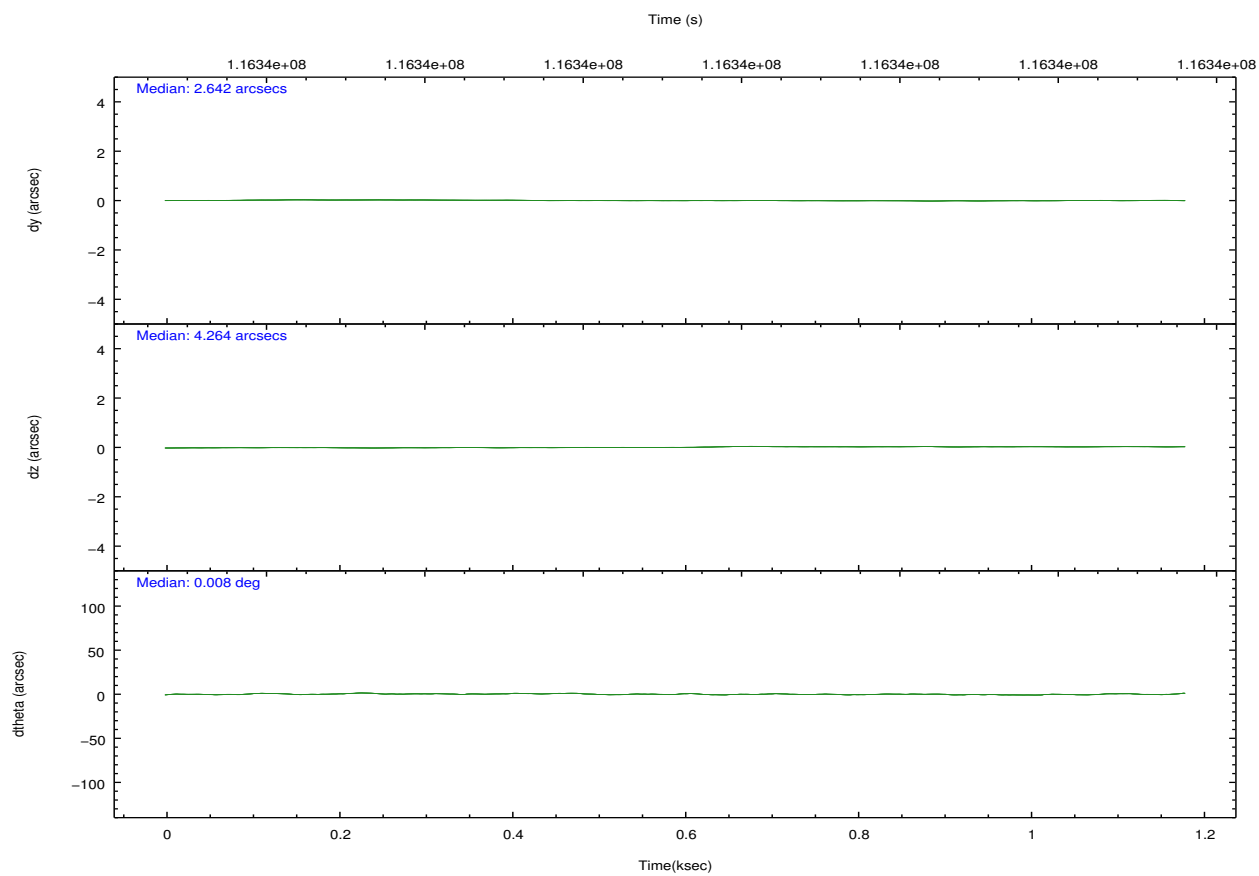
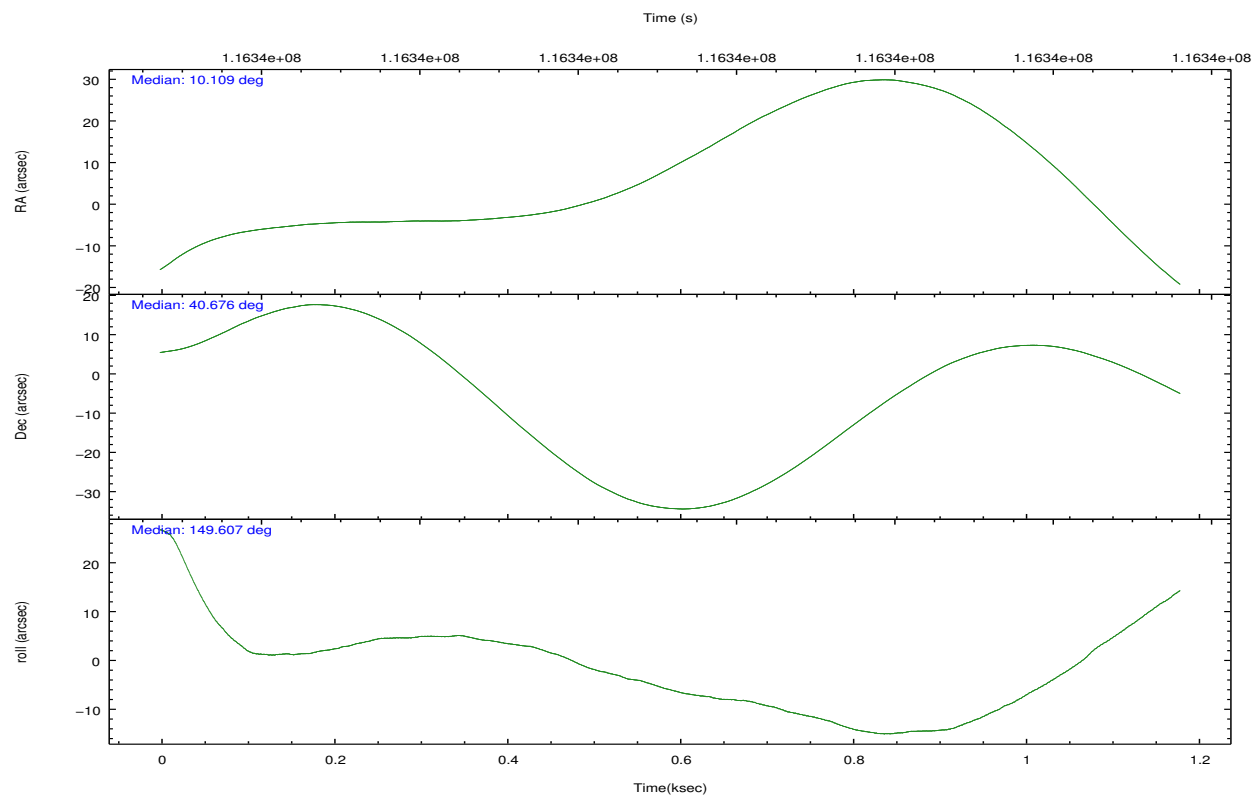
| | |
|-----------------|----------------------|
| | segment 0 |
| level 1 events | 50760 |
| rejected events | 7579 |
| rejected % | 14% |

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 | 10.145348 | 10.10982109165358 | | | |
| [deg] Pointing Dec | 40.673766 | 40.67457225427125 | | | |
| [deg] Pointing Roll | 149.681707 | 149.6096311564819 | | | |
| [s] Window start time (MET) | 117072064.184000 | 117072064.184000 | | | |
| [s] Window stop time (MET) | 117676864.184000 | 117676864.184000 | | | |
| [mm] SIM focus pos | -1.040293 | -1.038866356238299 | | | |
| [mm] SIM defocus | 0 | 0.001426264420575141 | | | |
| [mm] SIM translation stage pos | 126.985494 | 126.9854943052878 | | | |
| [mm] SIM translation stage offset | 0 | -5.413686238853188e-06 | | | |
| [s] Observation start time (MET) | 116336705.184000 | 116335967.13019 | | | |
| Observation start date | 2001-09-08T11:44:01 | 2001-09-08T11:32:47 | | | |
| [s] Observation end time (MET) | 116337705.184000 | 116337839.29276 | | | |
| Observation end date | 2001-09-08T12:00:41 | 2001-09-08T12:03:59 | | | |

2.3 Aspect



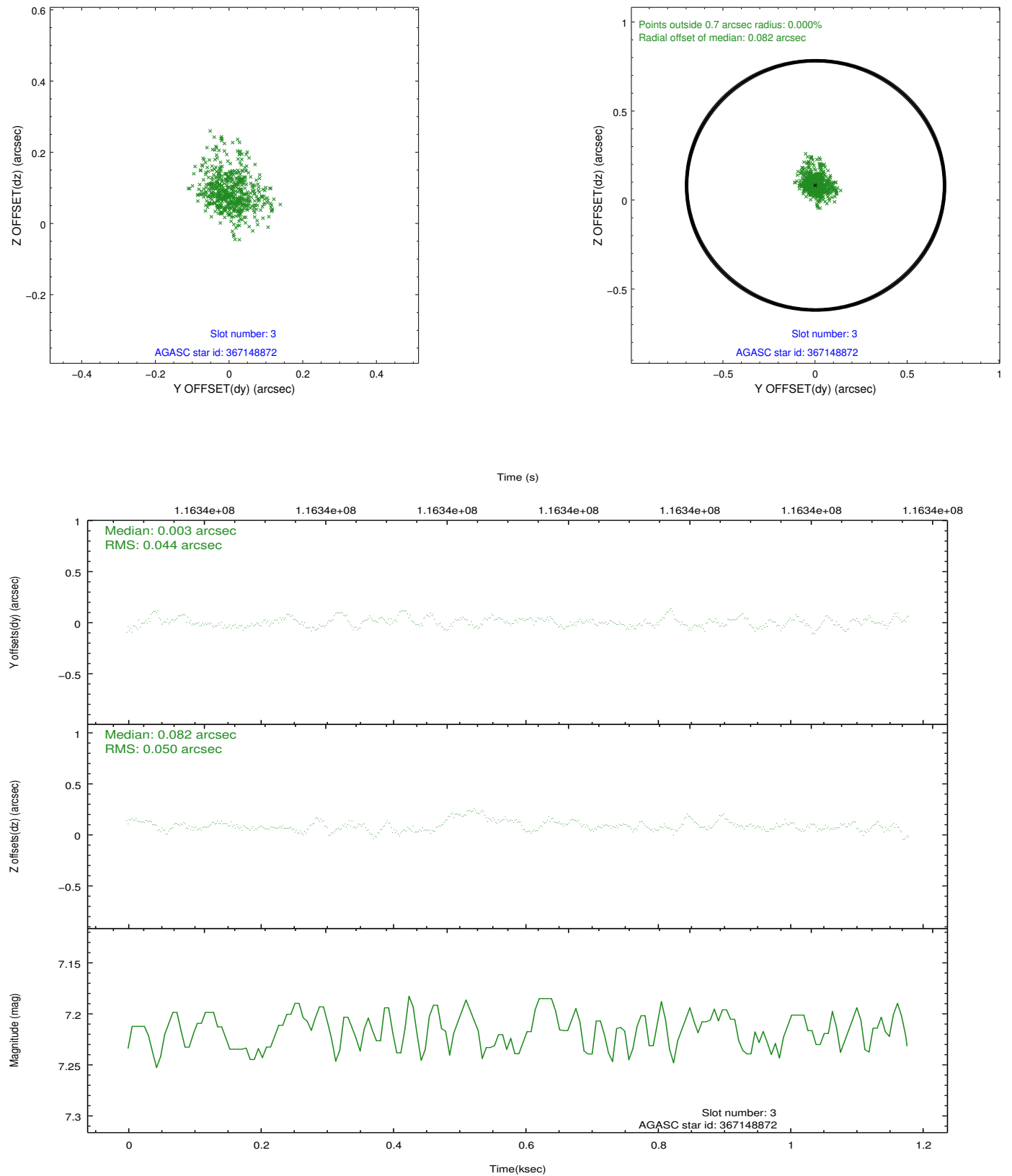


Slot Statistics

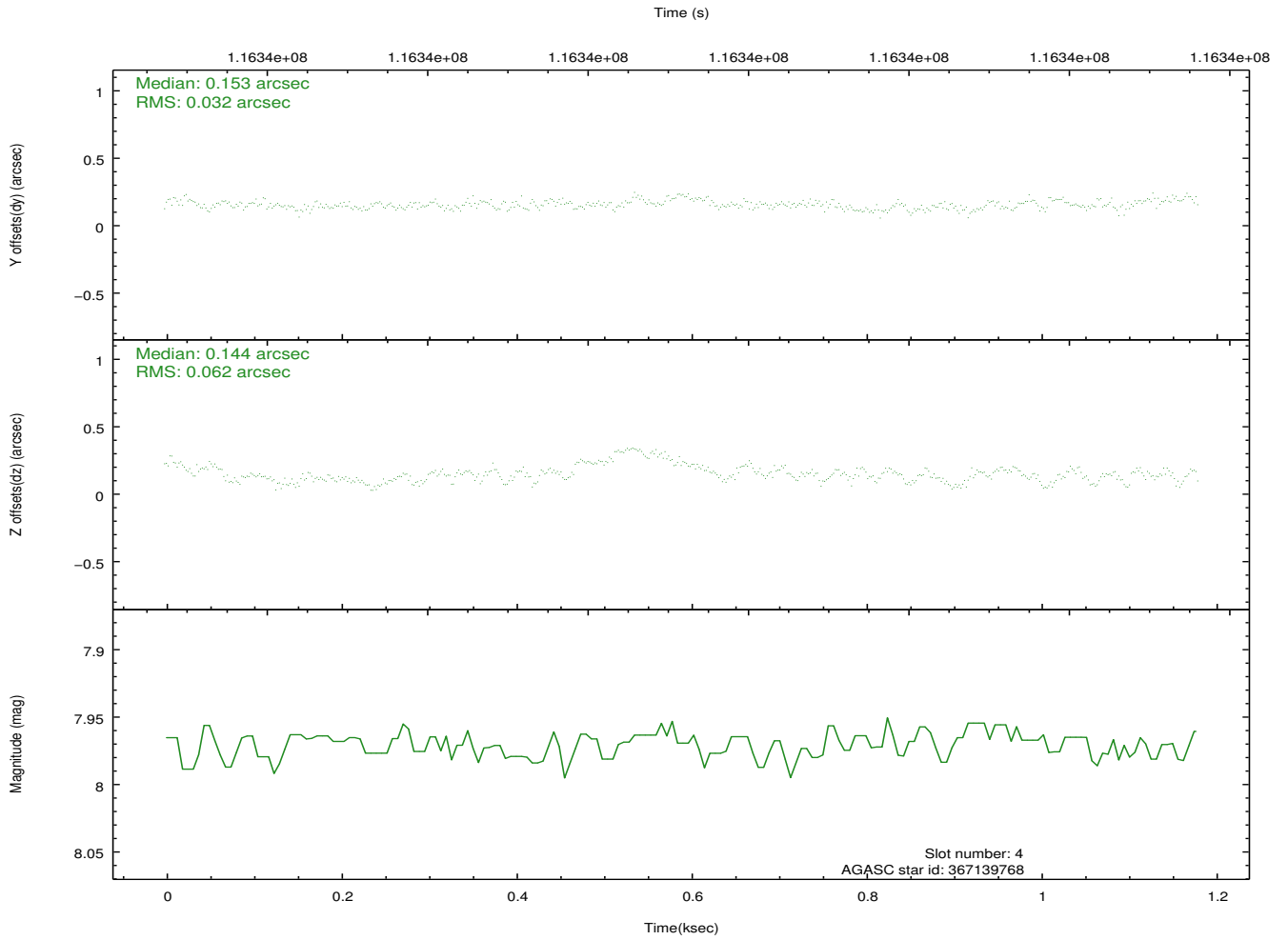
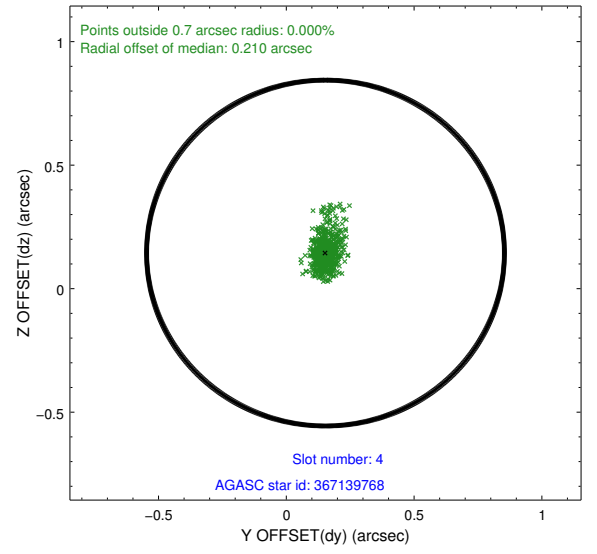
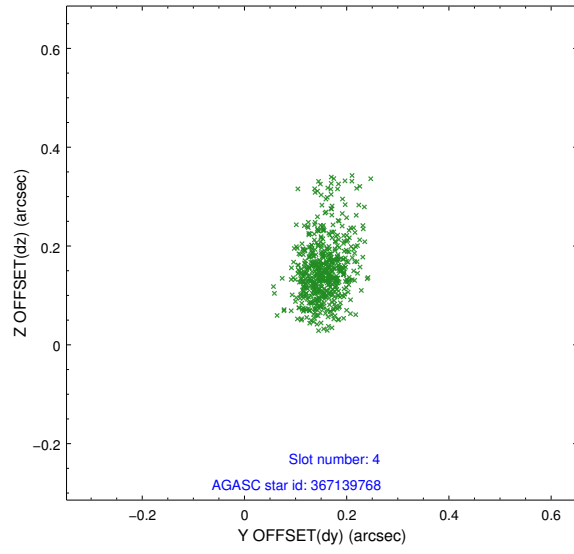
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|-----------|-----------|----------|----------|
| 0 | FID | HRC-I-2 | 7.01 | 288 | 0.047 | -0.029 | 0.006 | 0.010 | 0.000000 | 0.000000 | 854.57 | -1293.68 |
| 1 | FID | HRC-I-3 | 7.06 | 288 | 0.016 | -0.023 | 0.006 | 0.011 | 0.000000 | 0.000000 | -1183.62 | 1007.95 |
| 2 | FID | HRC-I-4 | 7.00 | 288 | 0.057 | -0.034 | 0.006 | 0.009 | 0.000000 | 0.000000 | 1280.62 | 1013.55 |
| 3 | GUIDE | 367148872 | 7.22 | 577 | 0.003 | 0.082 | 0.066 | 0.122 | 10.505940 | 40.688258 | -822.13 | -539.44 |
| 4 | GUIDE | 367139768 | 7.97 | 577 | 0.153 | 0.144 | 0.066 | 0.138 | 11.069715 | 40.685175 | -2151.87 | -1317.53 |
| 5 | GUIDE | 365436168 | 7.31 | 577 | -0.085 | -0.120 | 0.069 | 0.117 | 9.360006 | 40.332380 | 1241.27 | 2142.31 |
| 6 | GUIDE | 365442912 | 9.60 | 577 | -0.090 | 0.022 | 0.113 | 0.172 | 9.345394 | 40.727461 | 1988.80 | 934.14 |
| 7 | GUIDE | 365430456 | 9.81 | 575 | 0.016 | -0.121 | 0.128 | 0.444 | 9.910475 | 40.183950 | -328.45 | 1853.11 |

2.4 Star Slots

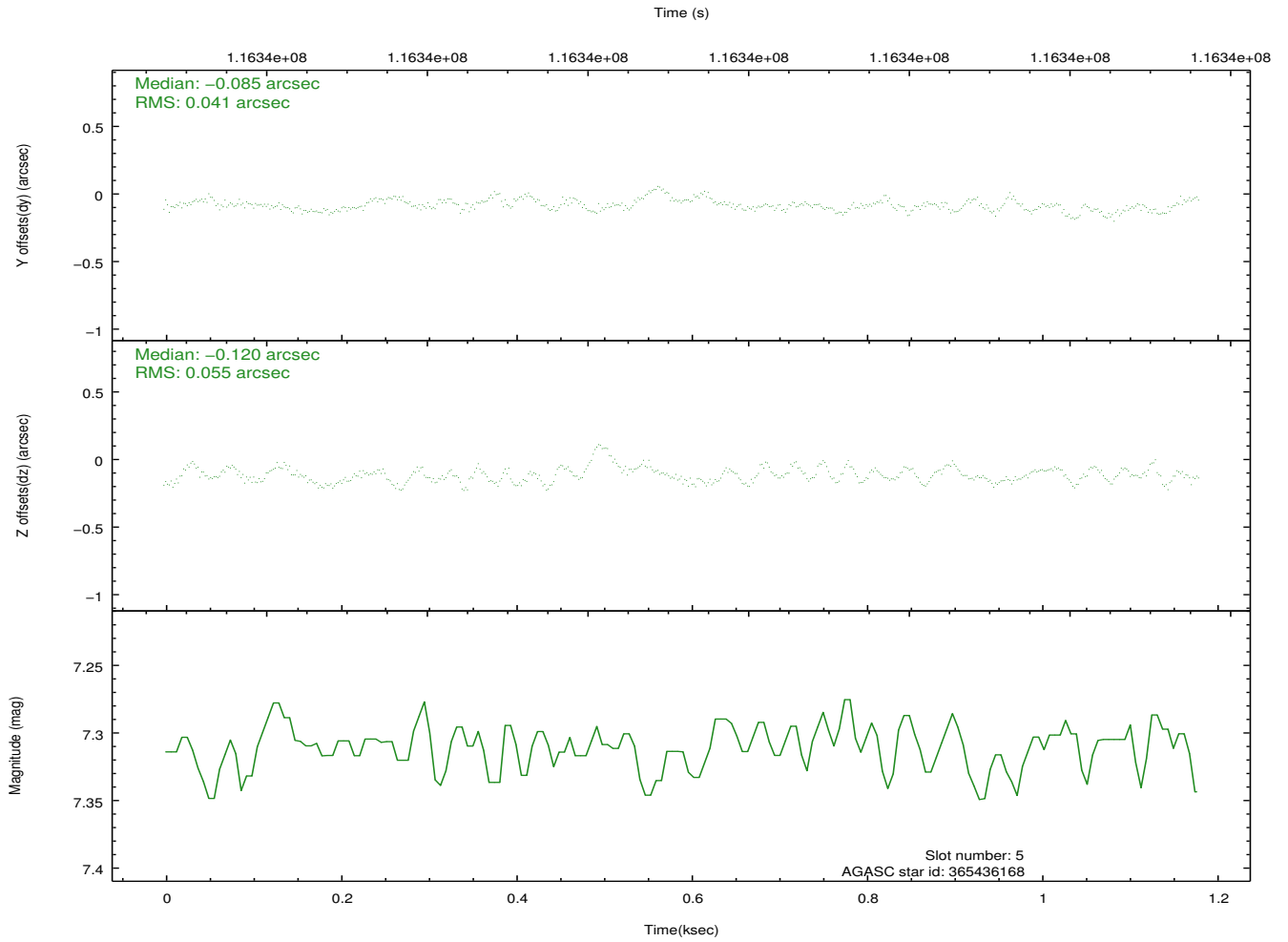
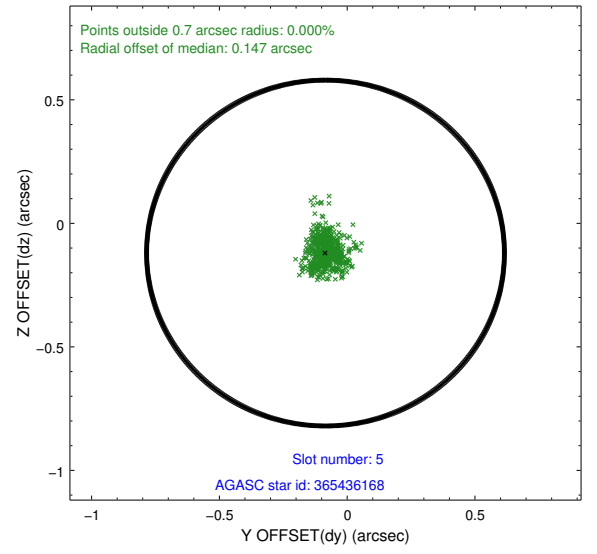
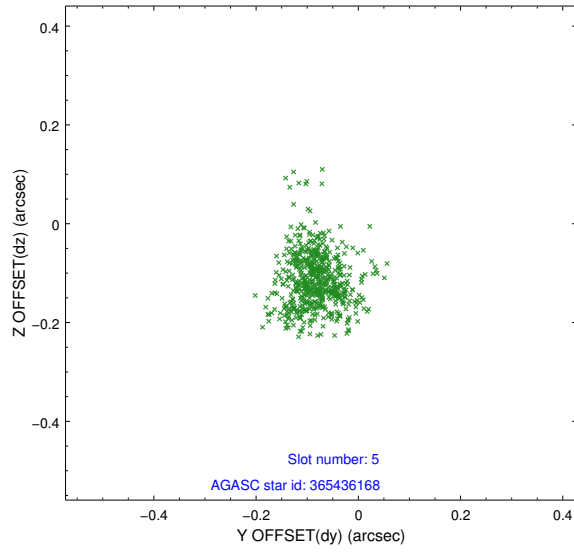
2.4.1 Slot 3



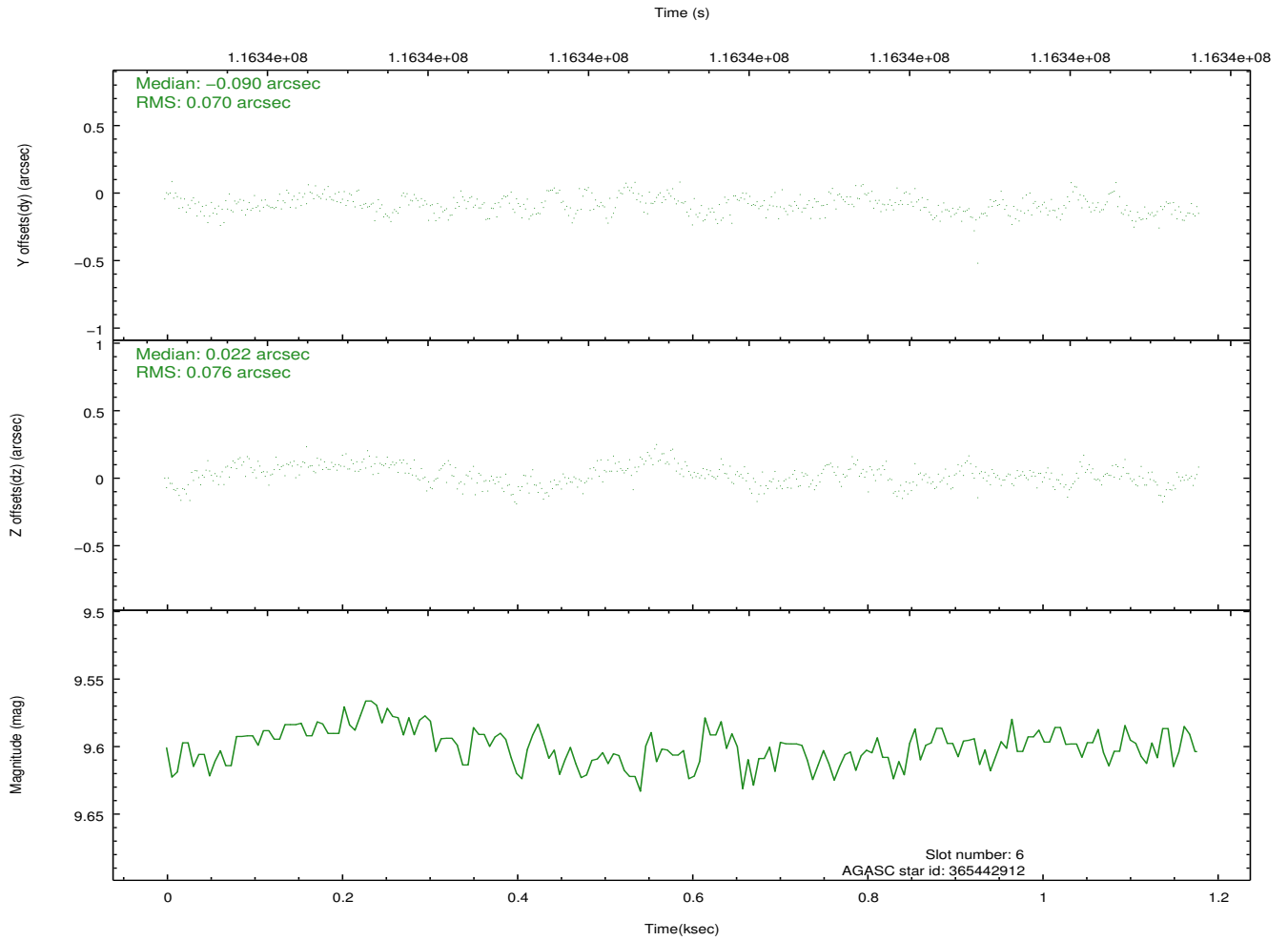
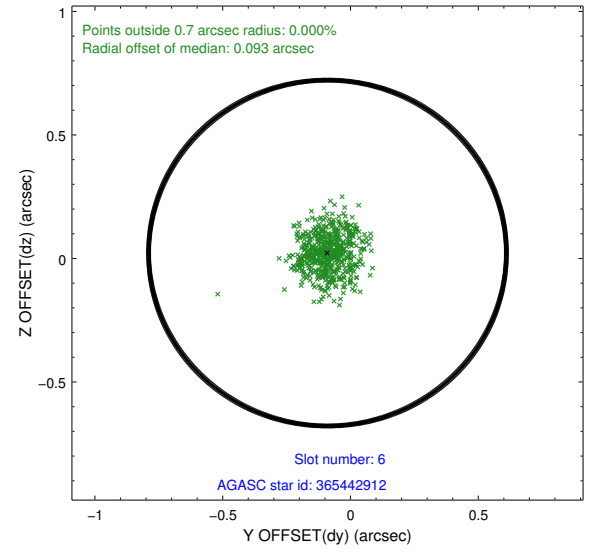
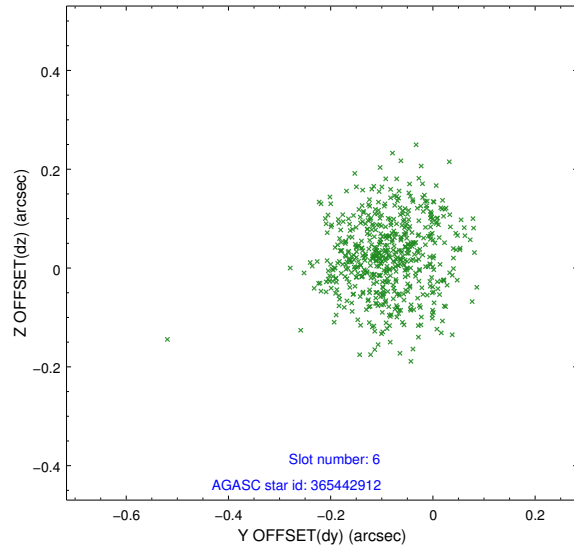
2.4.2 Slot 4



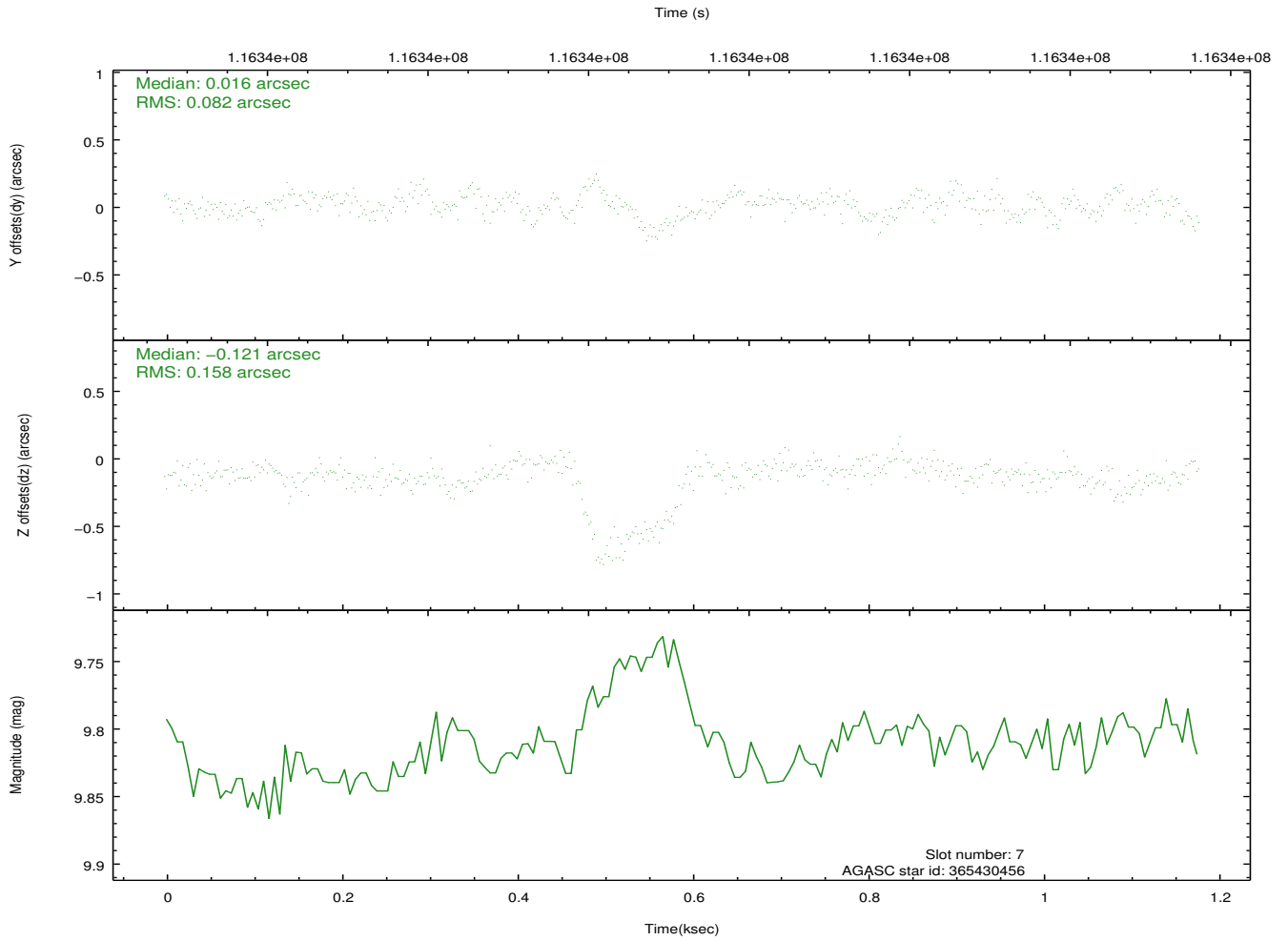
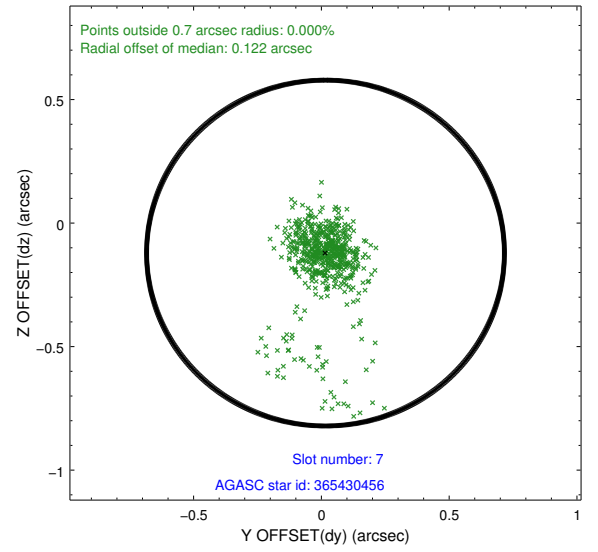
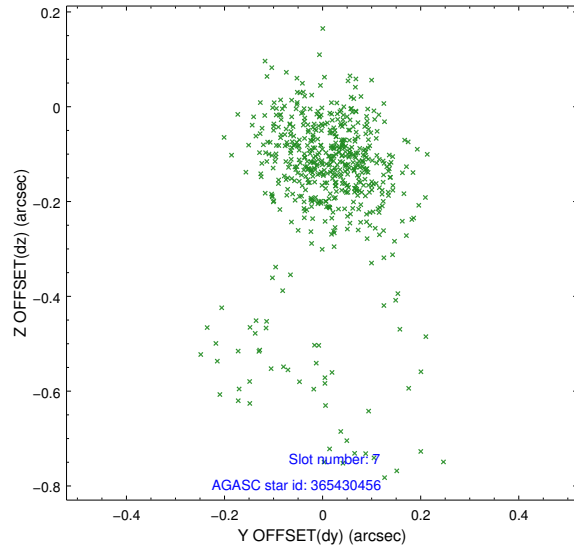
2.4.3 Slot 5



2.4.4 Slot 6

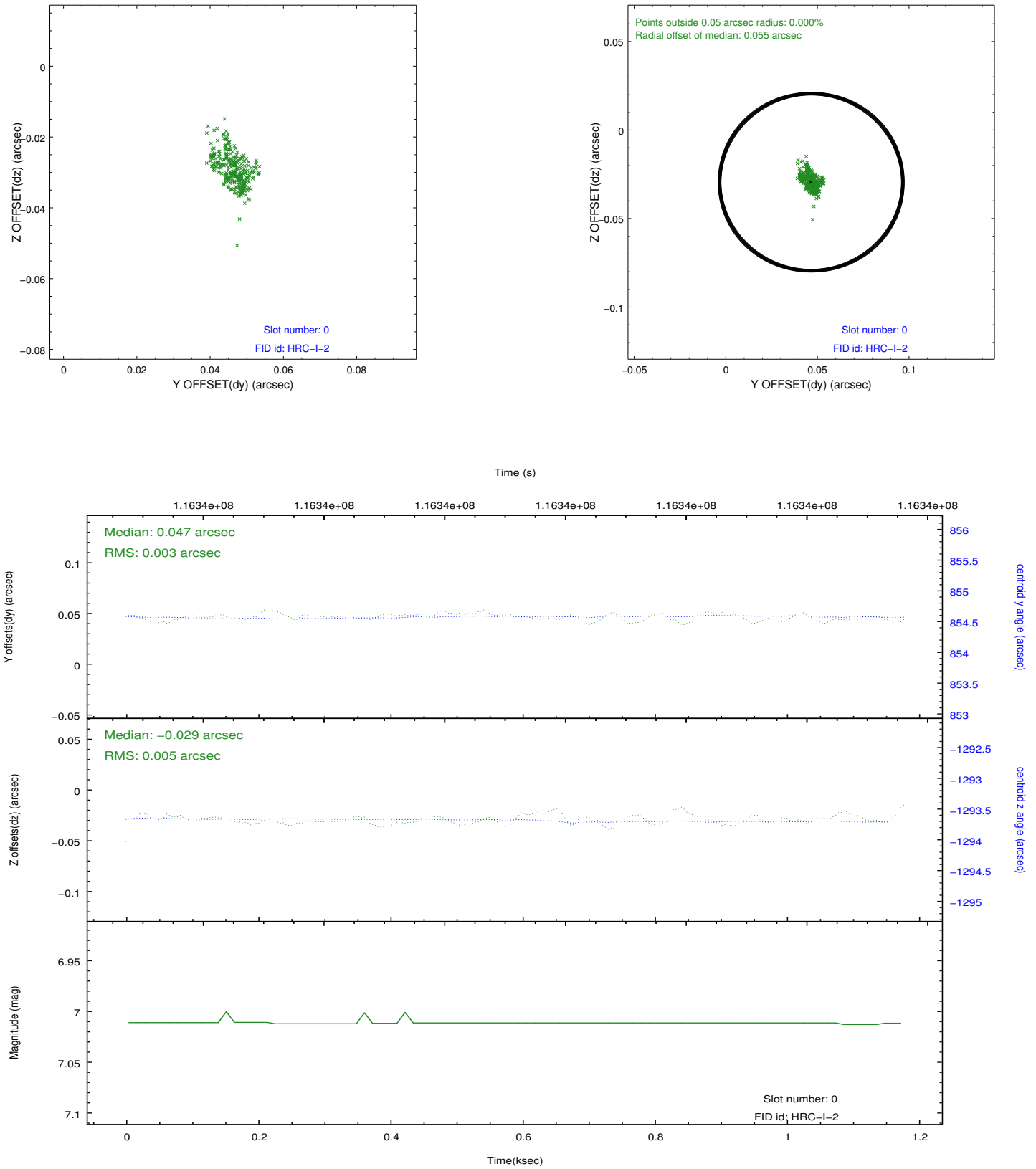


2.4.5 Slot 7

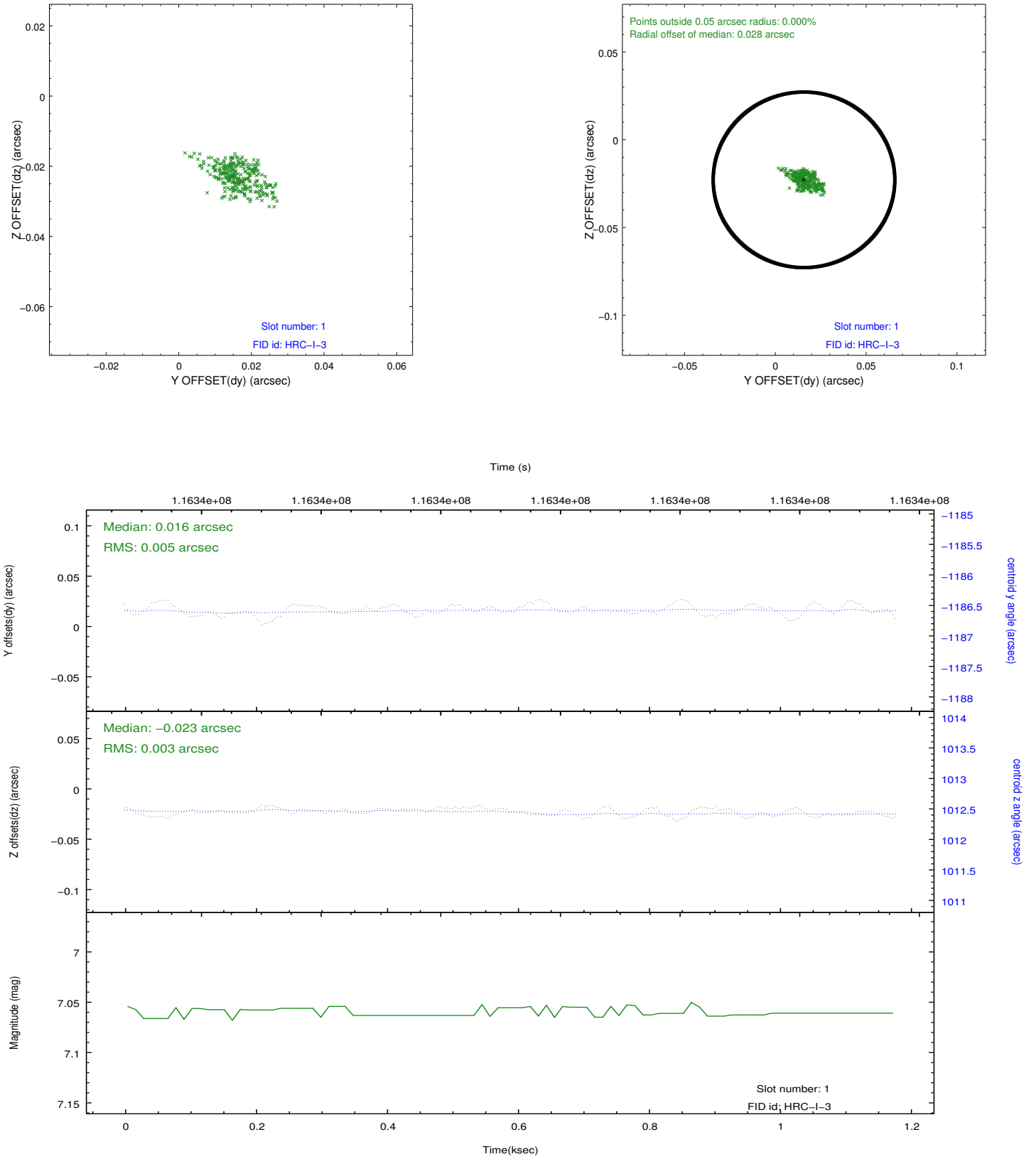


2.5 FID Slots

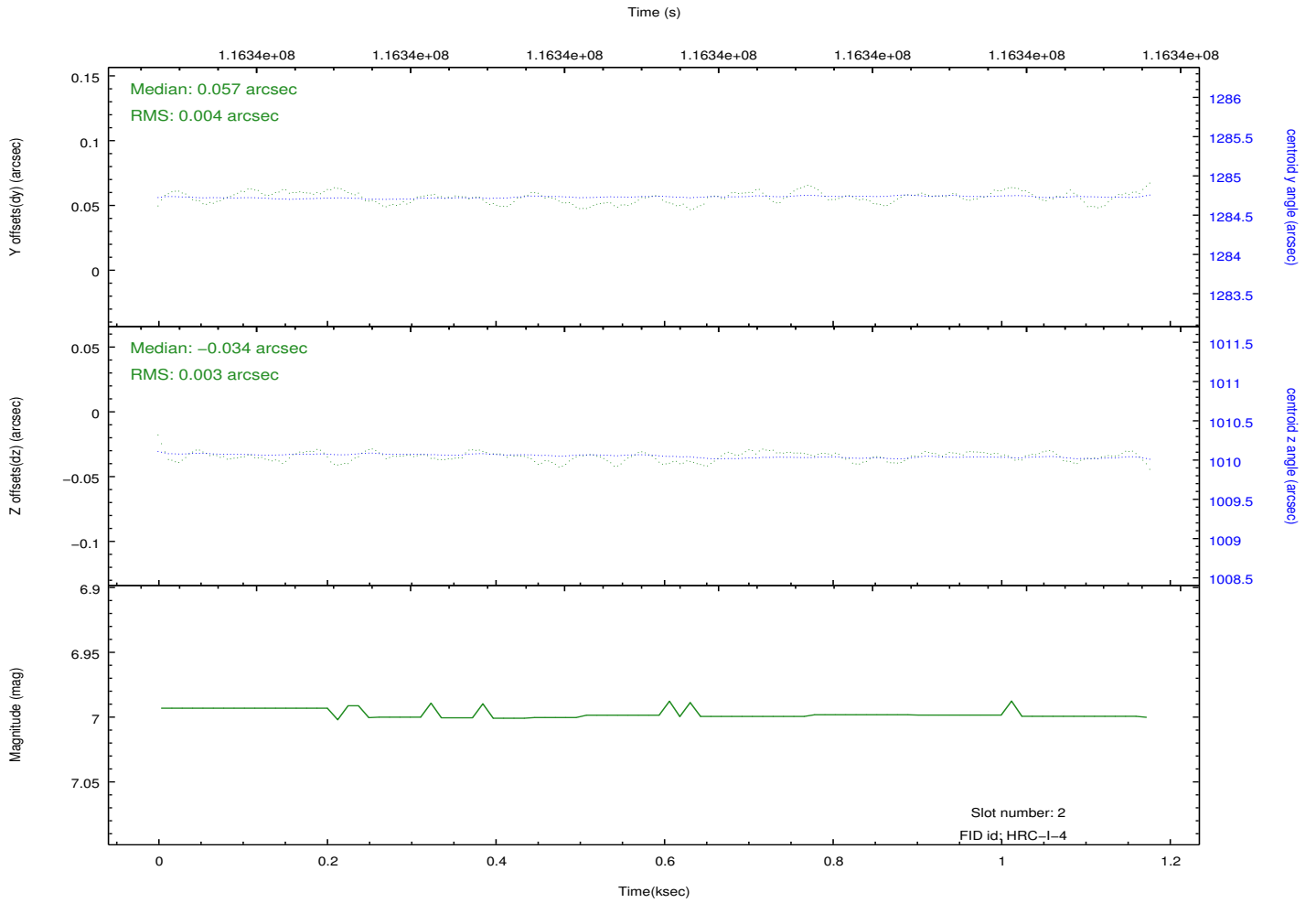
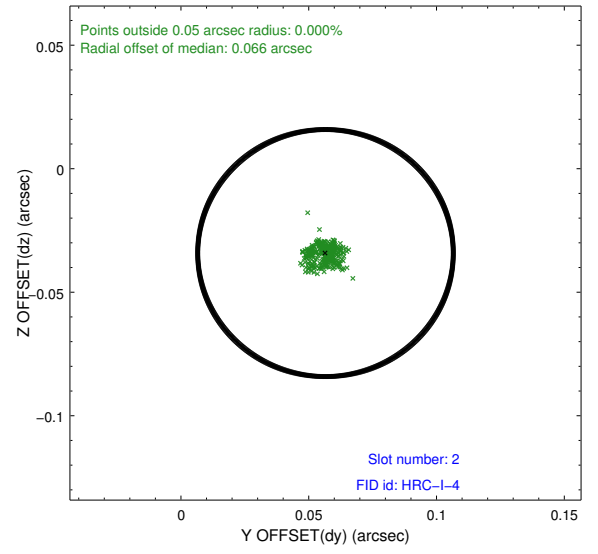
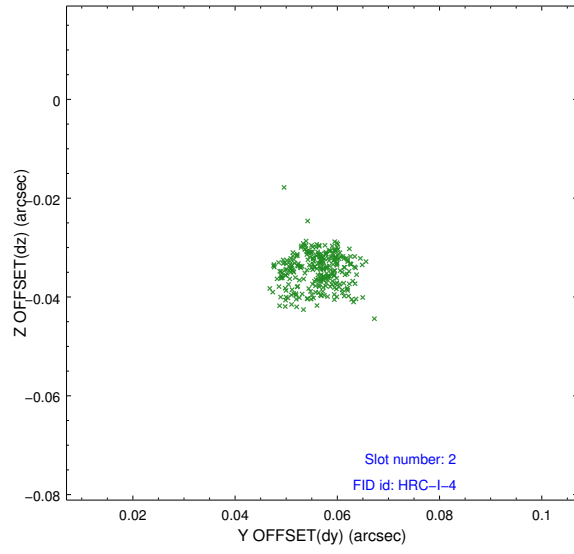
2.5.1 Slot 0



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) | 2012.09.26 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 0.871 |

A.2 Comments

Window constraint not met.