

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11295 - L2 Version 2
Chandra X-Ray Center

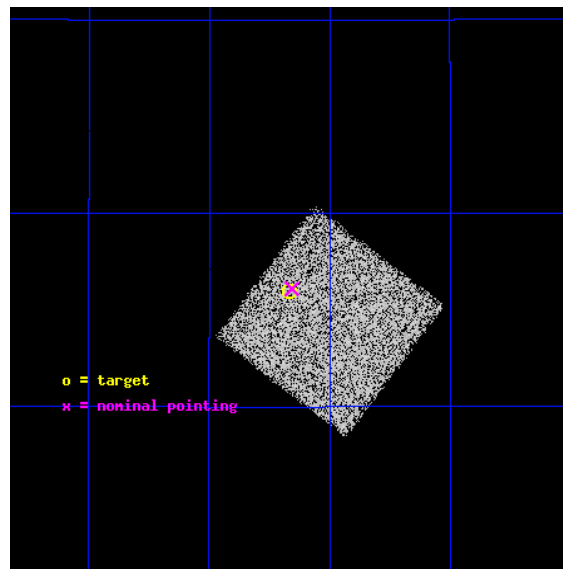
L2 Processing Date : Jun 16 2012

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1 Front

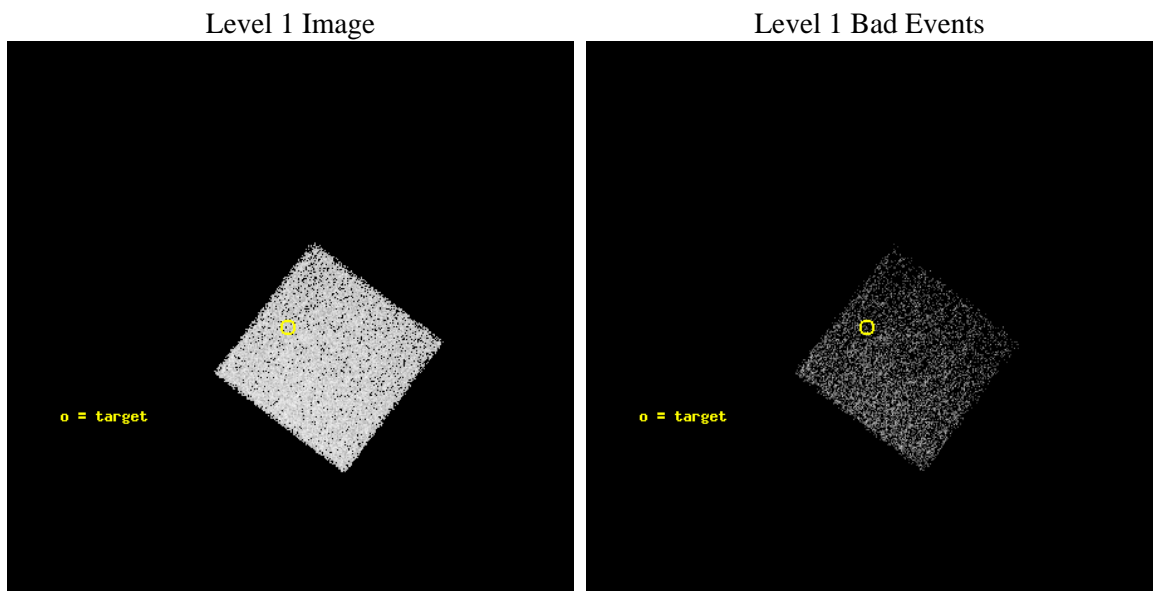
| | | |
|----------|--|---|
| seq_num | 600814 | Sequence number |
| obs_id | 11295 | Observation id |
| title | Ultra-Luminous x-Ray Sources in the Most Metal-Poor Galaxies | Propo |
| observer | Dr Andrea Prestwich | Principal investigator |
| object | UGCA 292 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 189.667083 | Observer's specified target RA [deg] |
| dec_targ | 32.766806 | Observer's specified target Dec [deg] |
| ra_nom | 189.66428449667 | Nominal RA [deg] |
| dec_nom | 32.768287648012 | Nominal Dec [deg] |
| roll_nom | 37.283512060066 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 5076.0 | Sum of GTIs [s] |
| livetime | 5007.497435088 | Livetime [s] |
| ontime7 | 5076.0 | Sum of GTIs [s] |
| l2events | 21896 | Number of level 2 events |



2 OBI

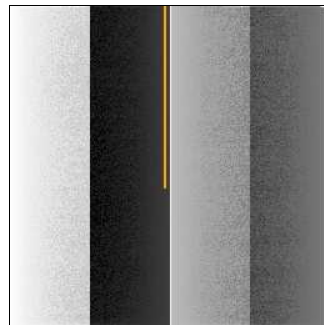
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-------------|---|
| obi_num | 0 | Obi number | sched_exp_time | 5000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 5076.0 | Sum of GTIs [s] |
| caldsver | 4.4.10 | | ontime7 | 5076.0 | Sum of GTIs [s] |
| date | 2012-06-16T02:38:29 | Date and time of file creation | l1events | 49775 | Number of level 1 events |
| revision | 2 | Processing version of data | | | |

2.1.4 Events

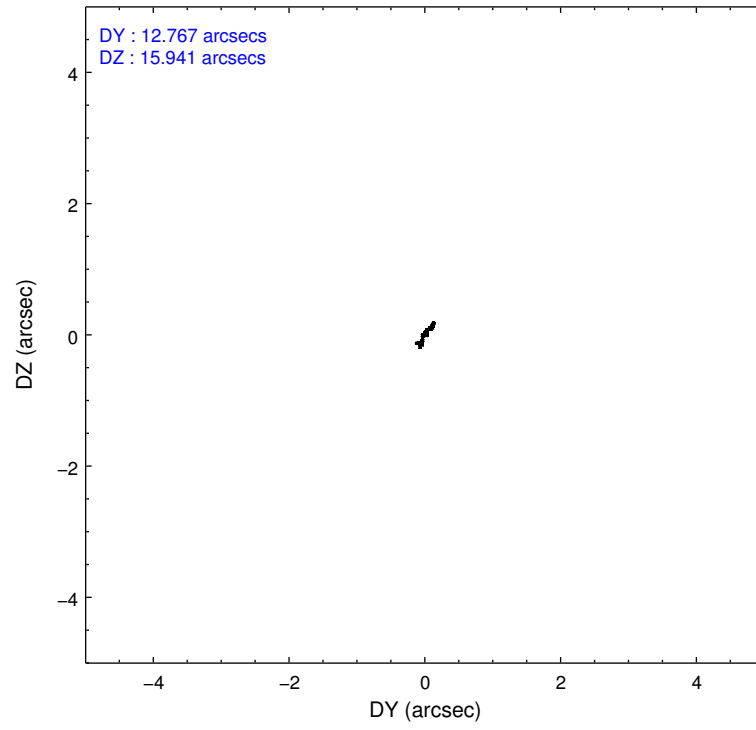
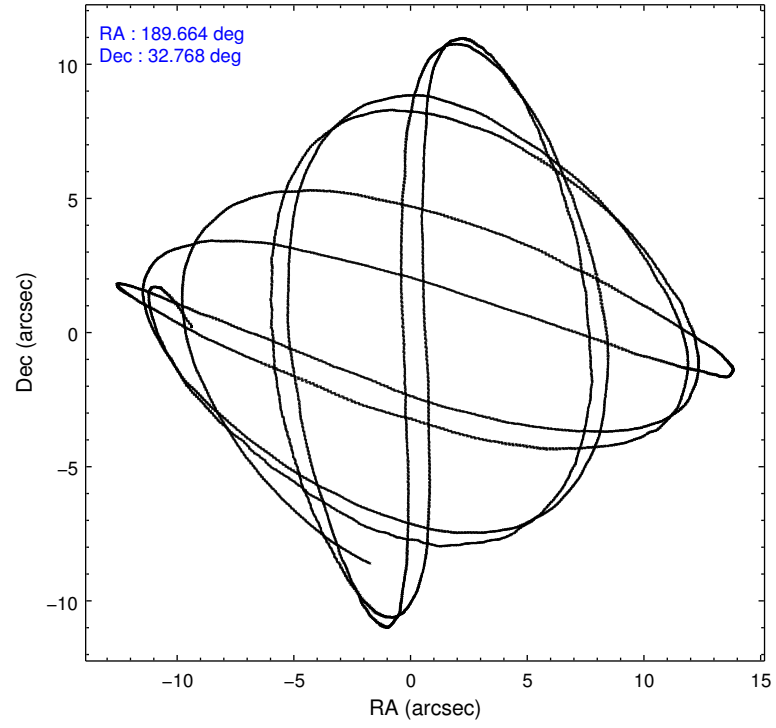
| | |
|-----------------|--------------|
| | ccd 7 |
| level 1 events | 49775 |
| rejected events | 27215 |
| rejected % | 54% |

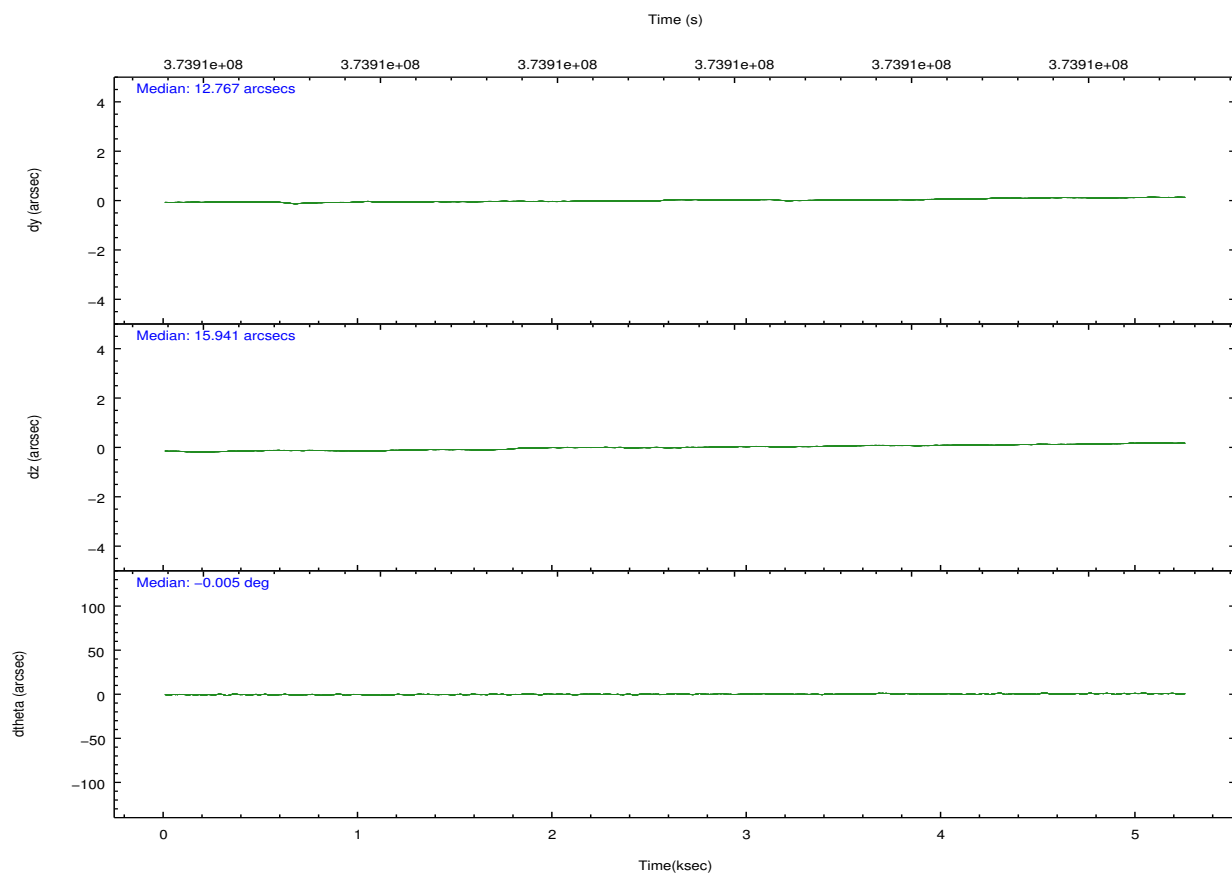
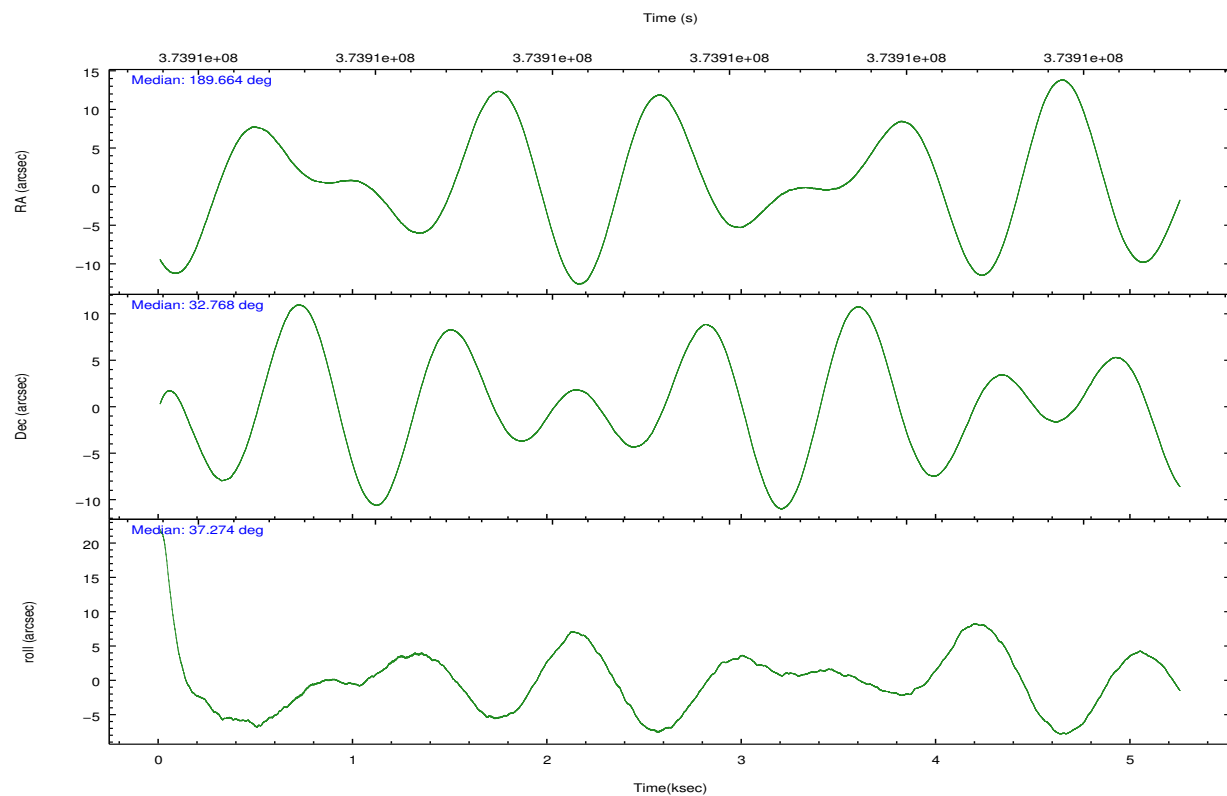
| | |
|----------------|--------------|
| | ccd 7 |
| grade 0 events | 2104 |
| | 4% |
| grade 1 events | 93 |
| | 0% |
| grade 2 events | 4567 |
| | 9% |
| grade 3 events | 2004 |
| | 4% |
| grade 4 events | 1978 |
| | 3% |
| grade 5 events | 5173 |
| | 10% |
| grade 6 events | 11928 |
| | 23% |
| grade 7 events | 21928 |
| | 44% |

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 | 189.652263 | 189.6642844966668 | Subarray requested | NONE | NONE |
| [deg] Pointing Dec | 32.742948 | 32.76828764801159 | Alternating exposures requested | N | N |
| [deg] Pointing Roll | 37.133352 | 37.28351206006615 | [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 | -190.1425803651734 | | | |
| [mm] SIM translation stage offset | 0 | 0.01005778216563158 | | | |
| [s] Observation start time (MET) | 373907297.184000 | 373906586.59523 | | | |
| Observation start date | 2009-11-06T15:07:11 | 2009-11-06T14:56:26 | | | |
| [s] Observation end time (MET) | 373912297.184000 | 373913359.79557 | | | |
| Observation end date | 2009-11-06T16:30:31 | 2009-11-06T16:49:19 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



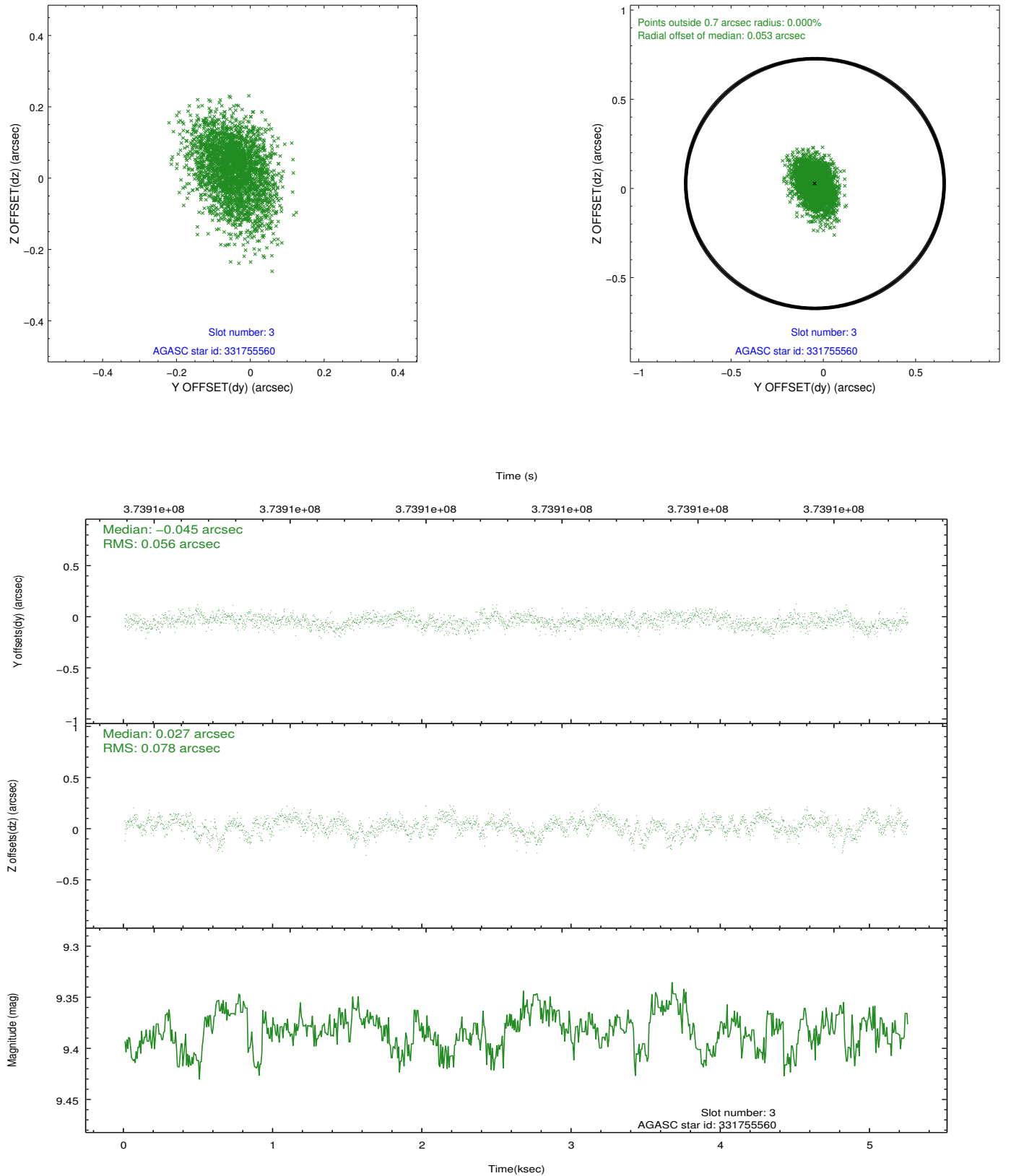


Slot Statistics

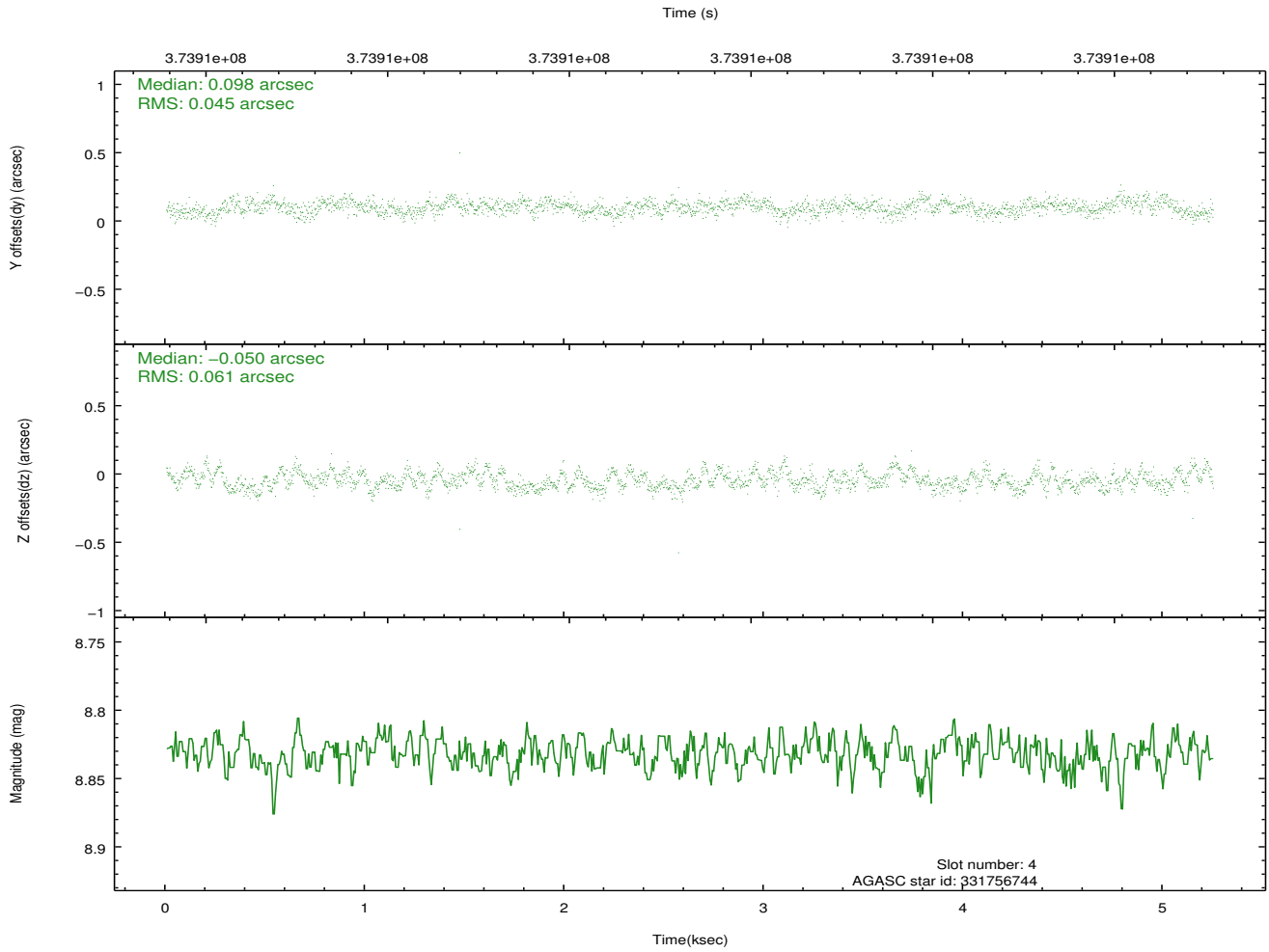
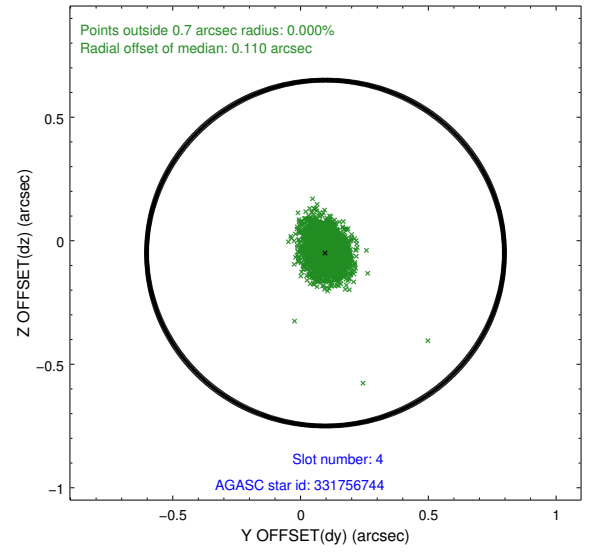
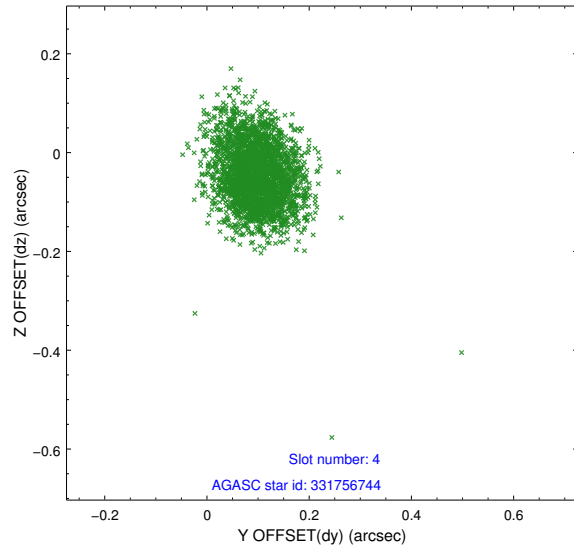
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 6.89 | 1280 | -0.050 | -0.023 | 0.007 | 0.011 | 0.000000 | 0.000000 | -765.71 | -1737.32 |
| 1 | FID | ACIS-S-4 | 6.98 | 1280 | 0.173 | 0.030 | 0.005 | 0.010 | 0.000000 | 0.000000 | 2147.24 | 170.05 |
| 2 | FID | ACIS-S-5 | 7.01 | 1280 | -0.154 | 0.001 | 0.007 | 0.012 | 0.000000 | 0.000000 | -1817.20 | 164.96 |
| 3 | GUIDE | 331755560 | 9.38 | 2561 | -0.045 | 0.027 | 0.100 | 0.169 | 189.188842 | 32.909744 | -751.92 | 1326.58 |
| 4 | GUIDE | 331756744 | 8.83 | 2558 | 0.098 | -0.050 | 0.079 | 0.129 | 189.262114 | 33.026547 | -321.40 | 1527.42 |
| 5 | GUIDE | 331756840 | 9.13 | 2560 | -0.086 | 0.046 | 0.102 | 0.168 | 190.519091 | 32.862982 | 2357.65 | -1228.71 |
| 6 | GUIDE | 331758520 | 8.92 | 2560 | 0.026 | 0.236 | 0.076 | 0.121 | 189.446495 | 32.532475 | -953.73 | -226.85 |
| 7 | GUIDE | 331367784 | 8.82 | 2557 | 0.010 | -0.260 | 0.092 | 0.151 | 188.826444 | 33.047749 | -1319.09 | 2387.17 |

2.4 Star Slots

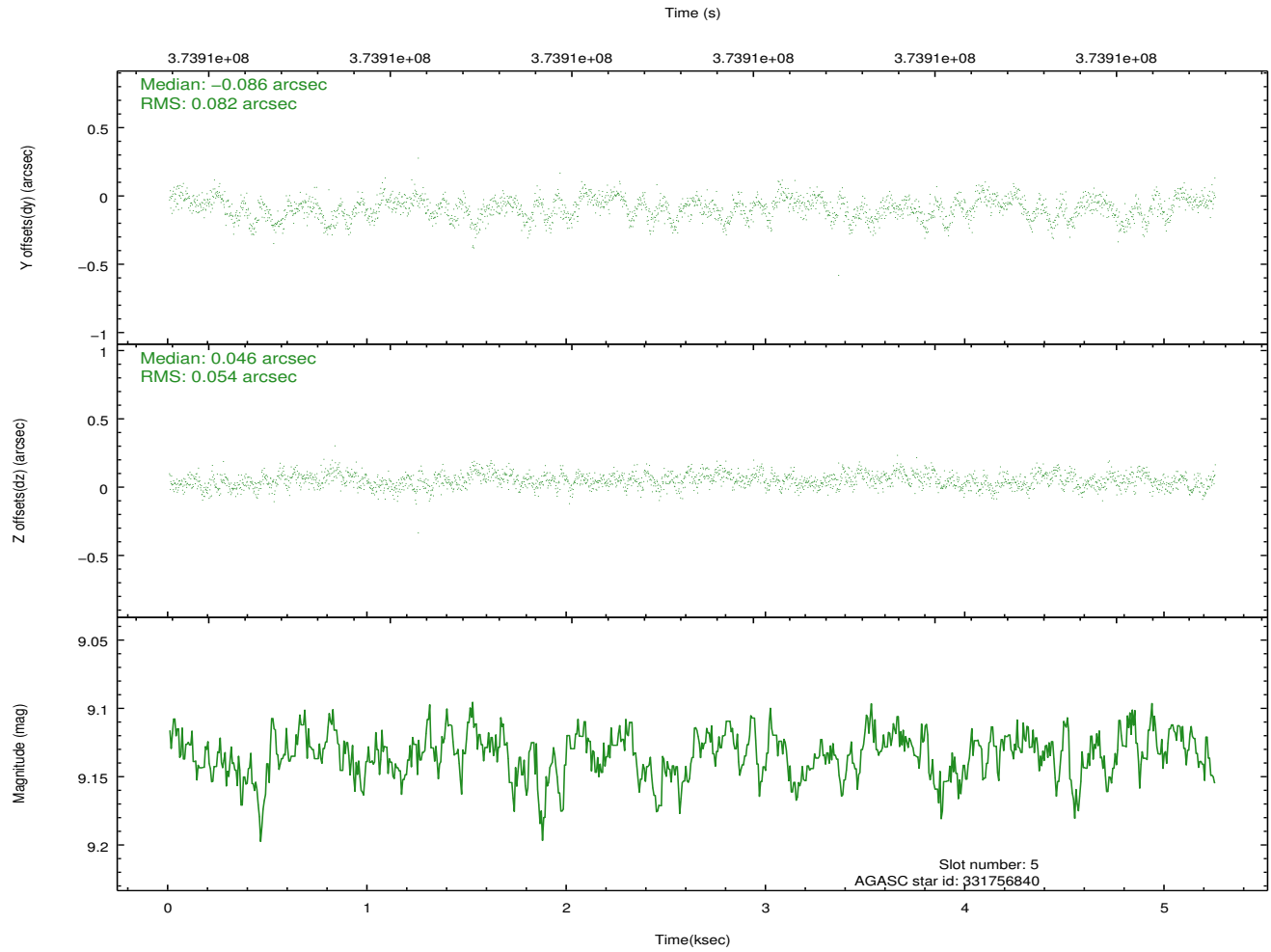
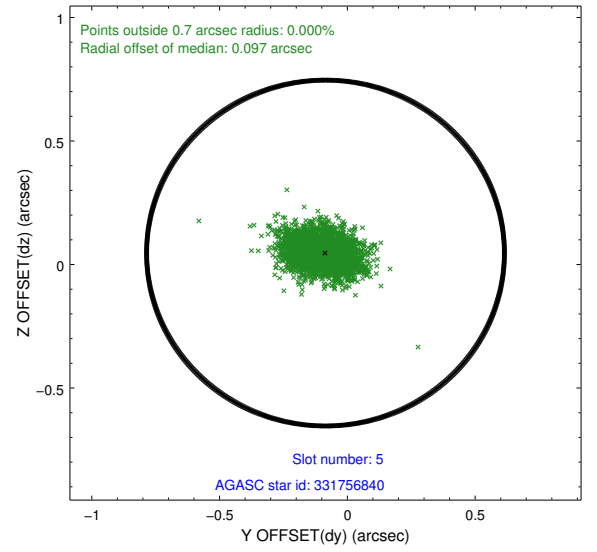
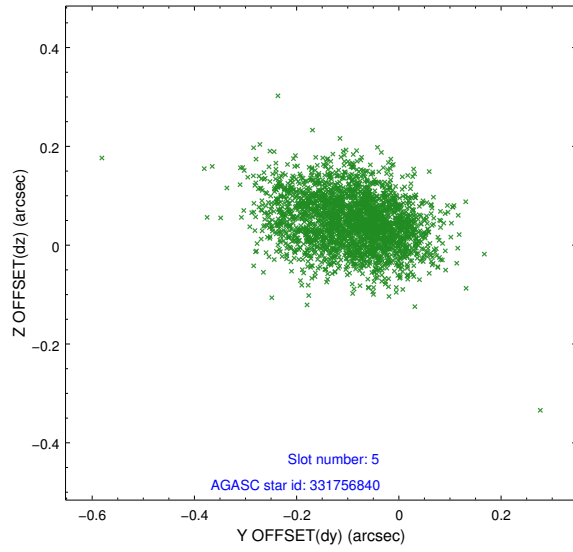
2.4.1 Slot 3



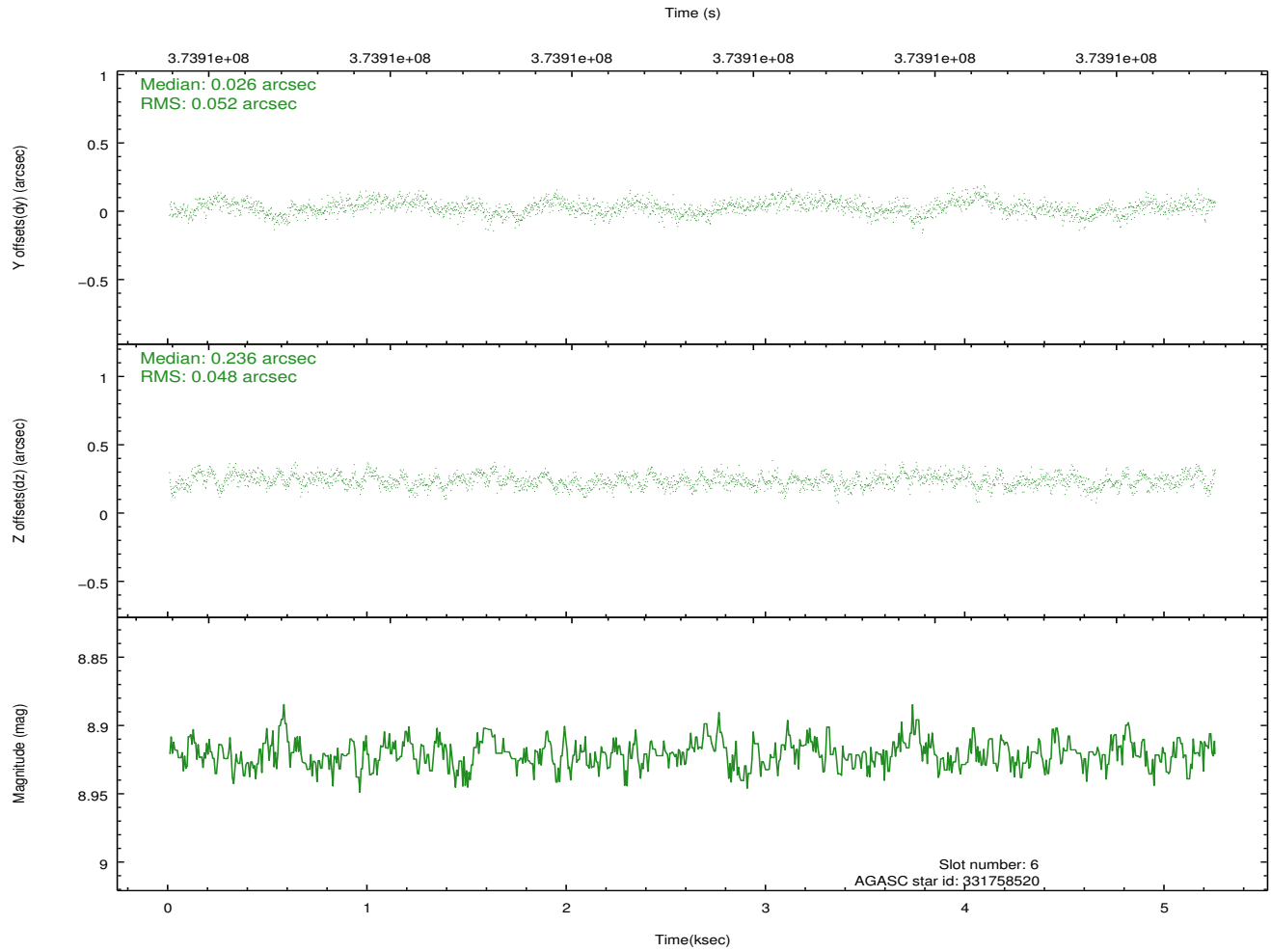
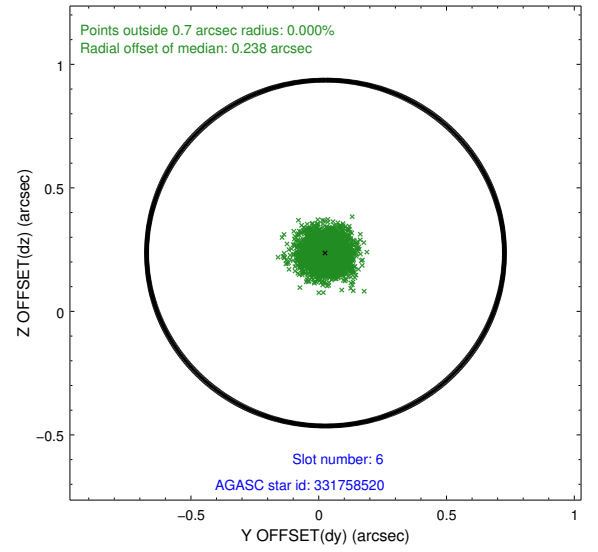
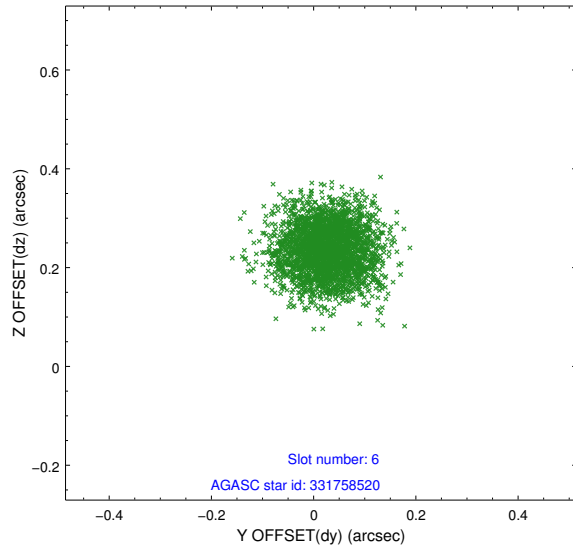
2.4.2 Slot 4



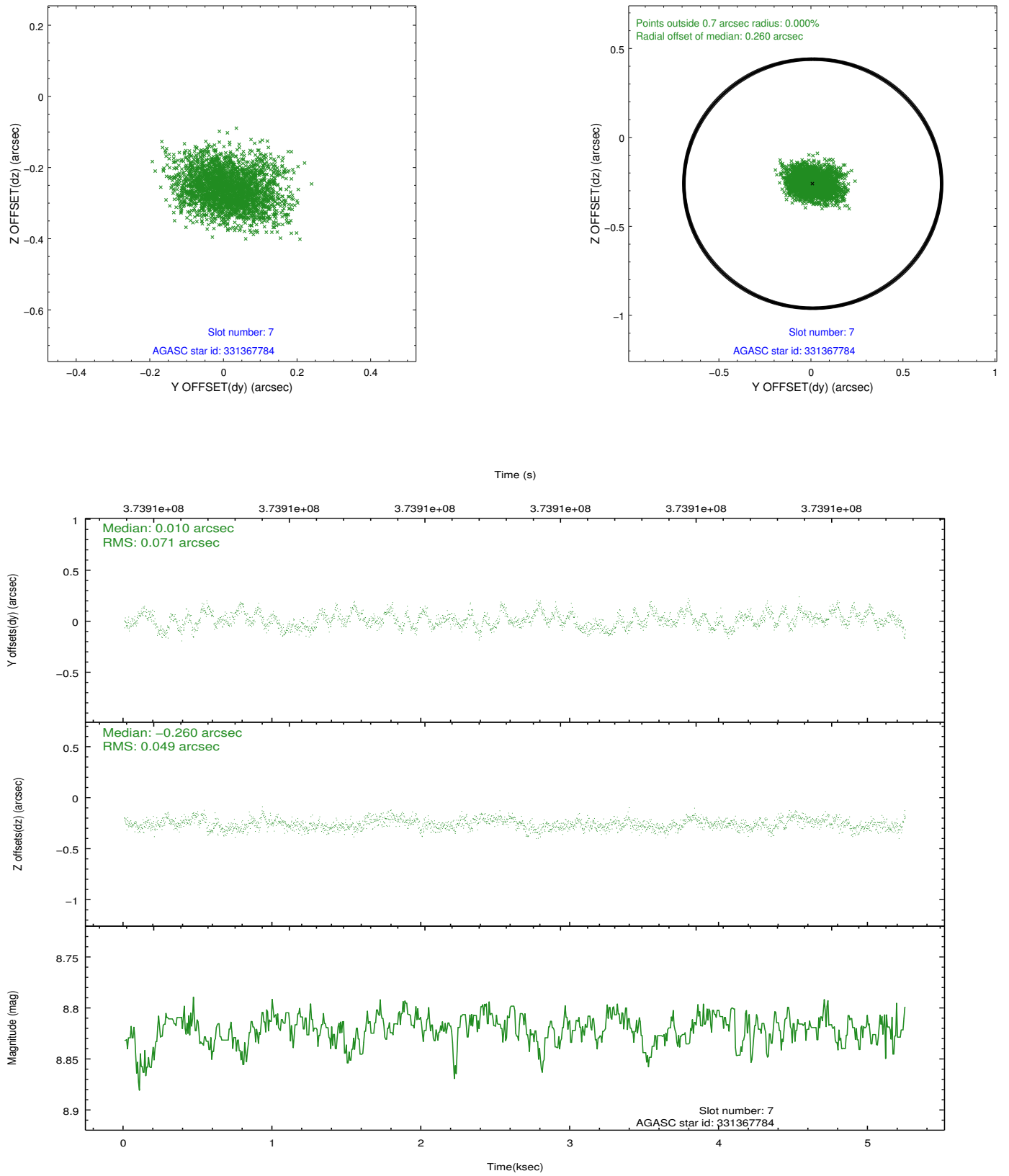
2.4.3 Slot 5



2.4.4 Slot 6

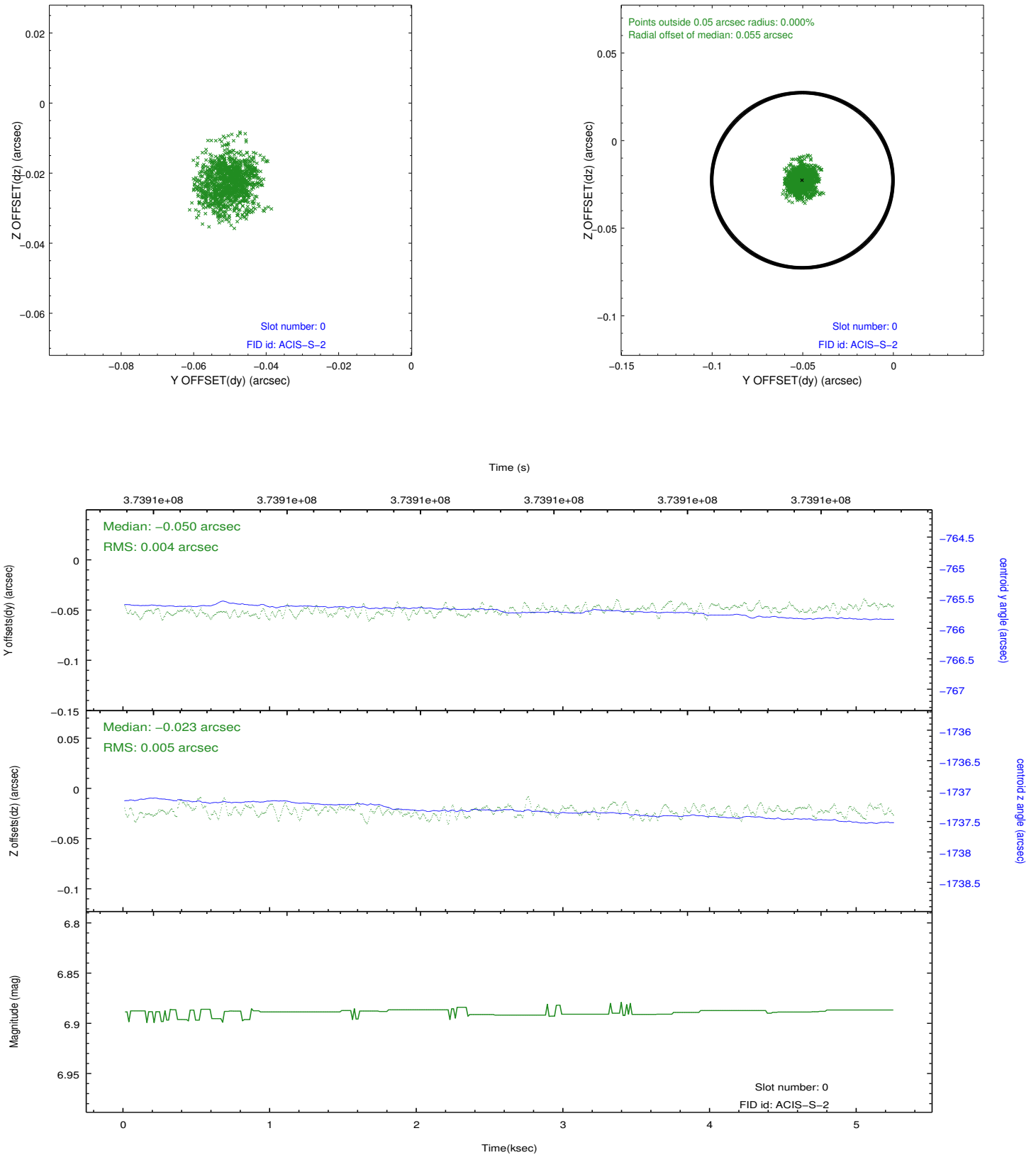


2.4.5 Slot 7

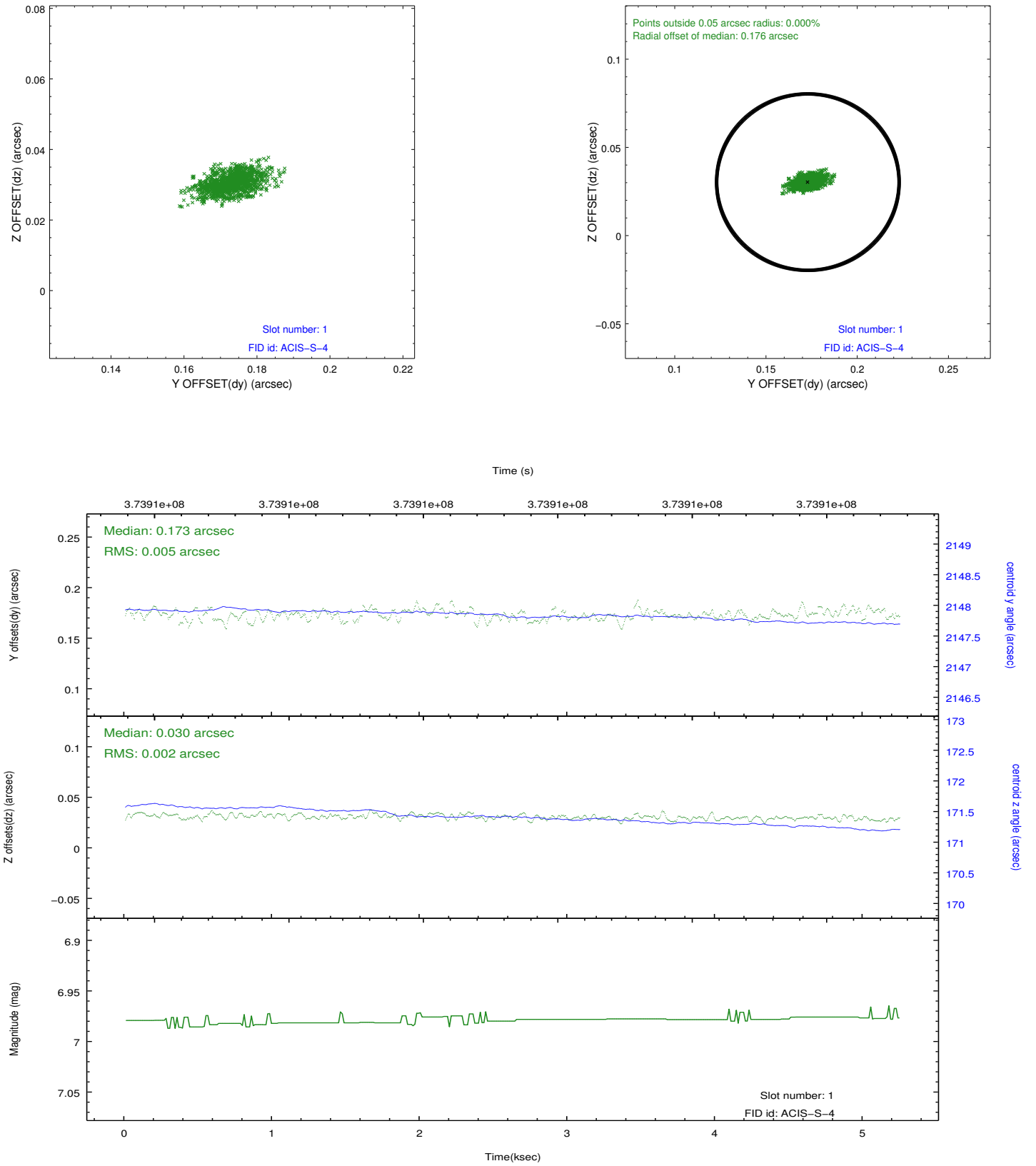


2.5 FID Slots

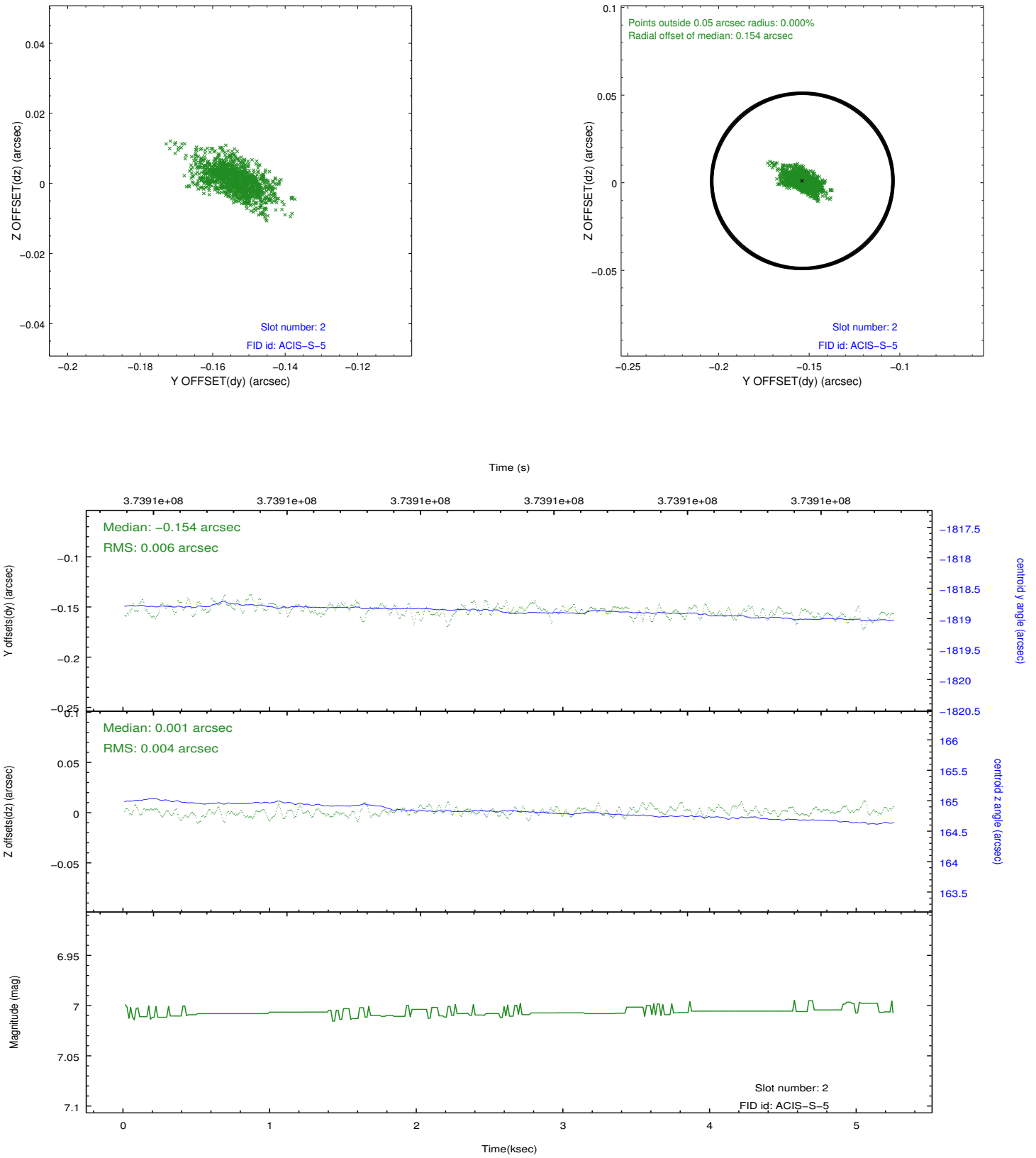
2.5.1 Slot 0



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) | 2012.06.20 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 5.076 |

A.2 Comments

Joint proposal with HST.