

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10295 - L2 Version 2
Chandra X-Ray Center

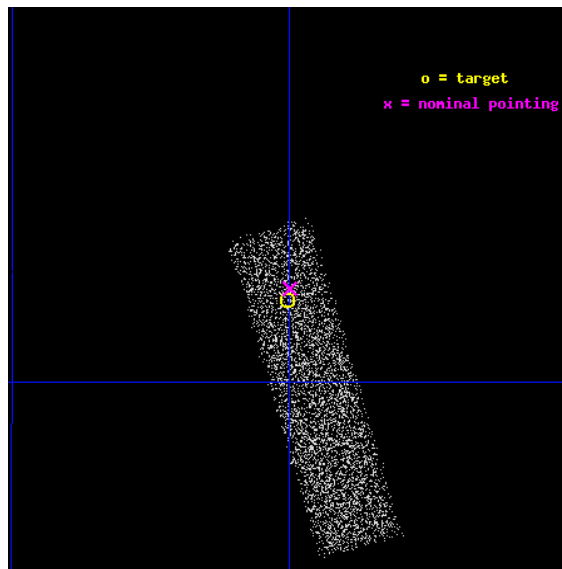
L2 Processing Date : May 28 2012

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1 Front

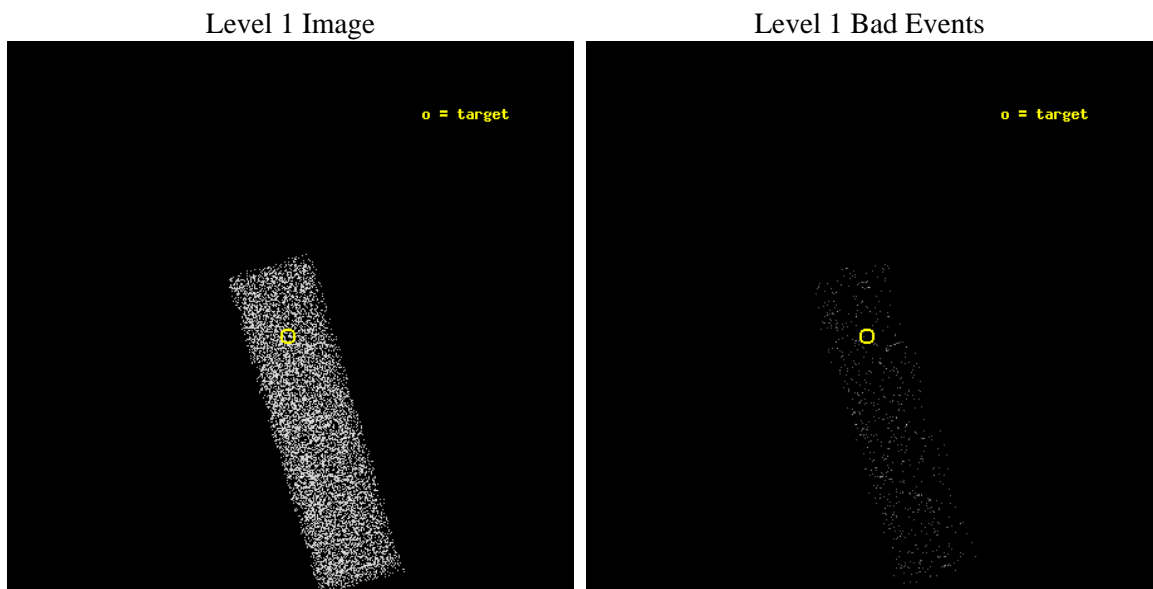
| | | |
|----------|--------------------------------------------------------------------|---------------------------------------------|
| seq_num | 701838 | Sequence number |
| obs_id | 10295 | Observation id |
| title | Exploratory Chandra observations of low-metallicity AGN candidates | |
| observer | Prof. Trinh Thuan | Principal investigator |
| object | J1025+1402 | Source name |
| dtcycle | 0 | |
| cycle | P | events from which exps? Prim/Second/Both |
| ra_targ | 156.37625 | Observer's specified target RA [deg] |
| dec_targ | 14.035278 | Observer's specified target Dec [deg] |
| ra_nom | 156.37499007111 | Nominal RA [deg] |
| dec_nom | 14.03993844013 | Nominal Dec [deg] |
| roll_nom | 73.526947774372 | Nominal Roll [deg] |
| revision | 2 | Processing version of data |
| ontime | 5191.2000774145 | Sum of GTIs [s] |
| livetime | 4937.8864999663 | Livetime [s] |
| ontime7 | 5191.2000774145 | Sum of GTIs [s] |
| l2events | 5368 | Number of level 2 events |



2 OBI

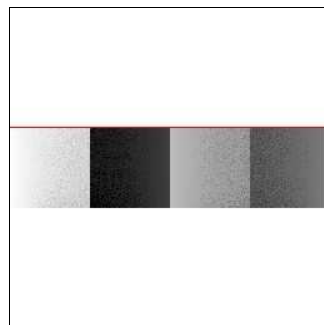
2.1 OBI

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 | 8.4.4 | Processing system revision | ontime | 5191.2000774145 | Sum of GTIs [s] |
| caldsver | 4.4.9 | | ontime7 | 5191.2000774145 | Sum of GTIs [s] |
| date | 2012-05-29T01:16:29 | Date and time of file creation | l1events | 11194 | Number of level 1 events |
| revision | 2 | Processing version of data | | | |

2.1.4 Events

| | |
|-----------------|--------------|
| | ccd 7 |
| level 1 events | 11194 |
| rejected events | 5622 |
| rejected % | 50% |

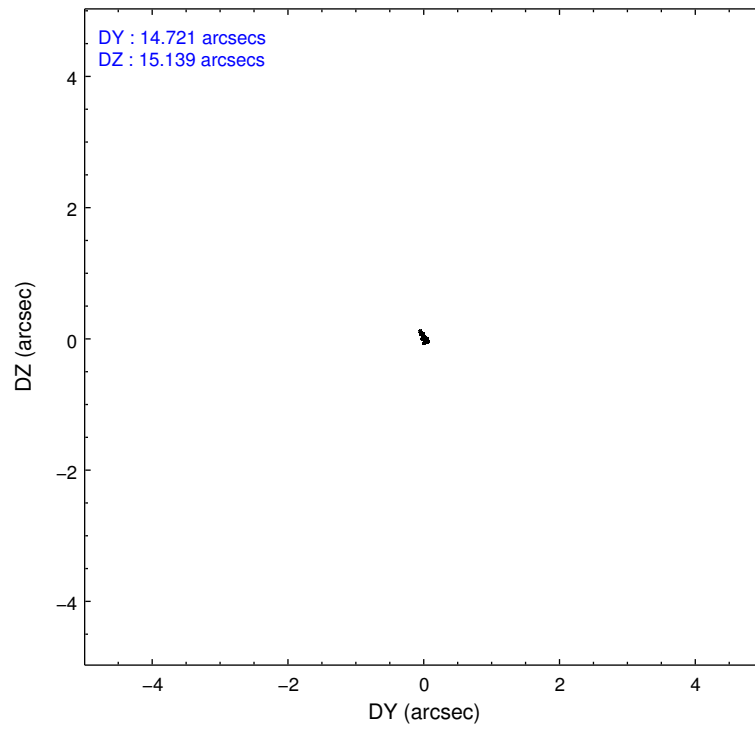
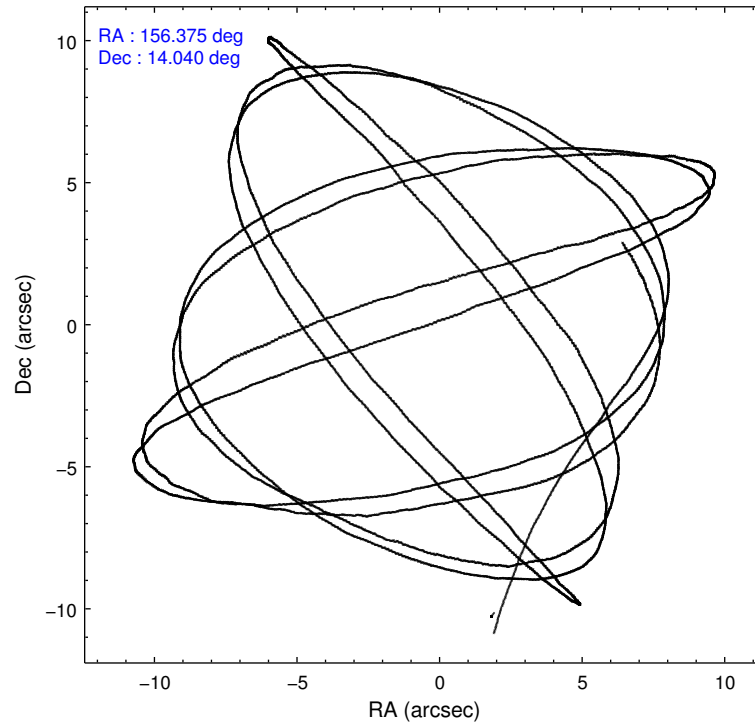
| | |
|----------------|--------------|
| | ccd 7 |
| grade 0 events | 630 |
| | 5% |
| grade 1 events | 24 |
| | 0% |
| grade 2 events | 1328 |
| | 11% |
| grade 3 events | 758 |
| | 6% |
| grade 4 events | 694 |
| | 6% |
| grade 5 events | 1226 |
| | 10% |
| grade 6 events | 2593 |
| | 23% |
| grade 7 events | 3941 |
| | 35% |

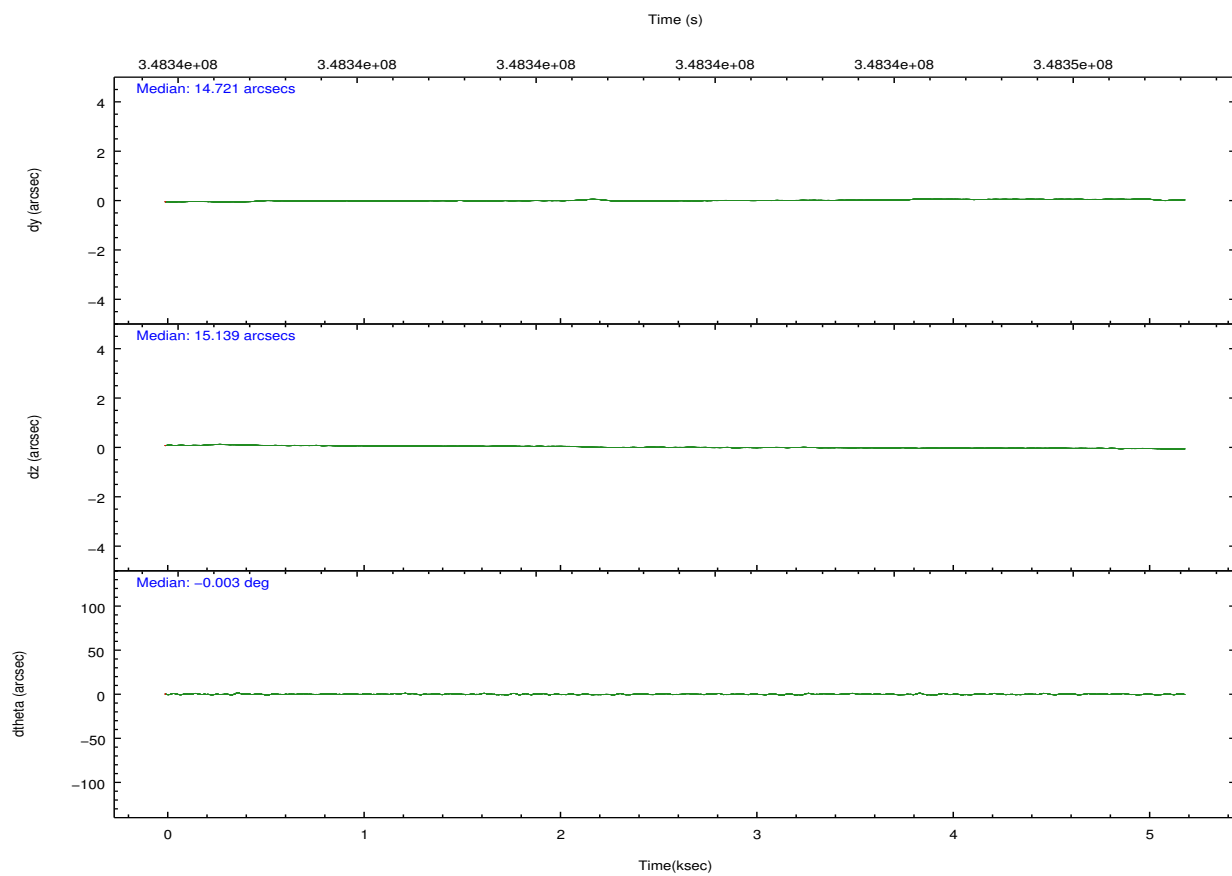
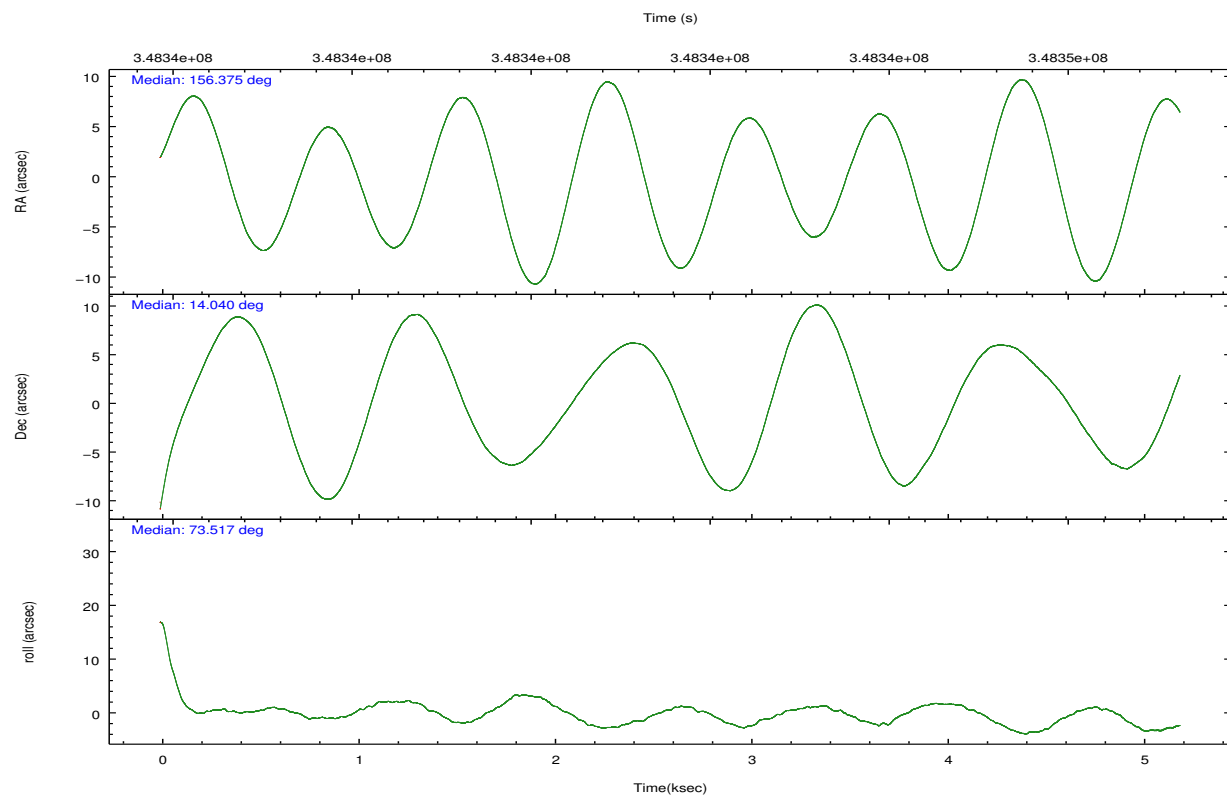
2.2 Compared Parameters

| Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|
| Instrument | ACIS | ACIS |
| Detector | ACIS-7 | ACIS-7 |
| Grating | NONE | NONE |
| Data mode | VFAINT | VFAINT |
| Observation mode | POINTING | POINTING |
| [deg] Pointing RA | 156.381910 | 156.3749900711121 |
| [deg] Pointing Dec | 14.013463 | 14.03993844012954 |
| [deg] Pointing Roll | 73.368615 | 73.52694777437178 |
| [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) | 348341364.184000 | 348340504.8813 |
| Observation start date | 2009-01-14T17:28:18 | 2009-01-14T17:15:04 |
| [s] Observation end time (MET) | 348346364.184000 | 348346944.95662 |
| Observation end date | 2009-01-14T18:51:38 | 2009-01-14T19:02:24 |
| Read mode | TIMED | TIMED |

| Parameter | Planned | Actual |
|---------------------------------------|-----------|---------|
| Obspar format version number | 7 | 7 |
| Obspar file type | PREDICTED | ACTUAL |
| Obspar update status | NONE | UPDATED |
| Number of optional ACIS chips dropped | 0 | 0 |
| On-chip summing requested | N | N |
| Subarray requested | CUSTOM | 1/4 |
| Subarray start row | 385 | 385 |
| Subarray row count | 256 | 256 |
| Alternating exposures requested | N | N |
| [s] Primary exposure time | 0.000000 | 0.8 |

2.3 Aspect



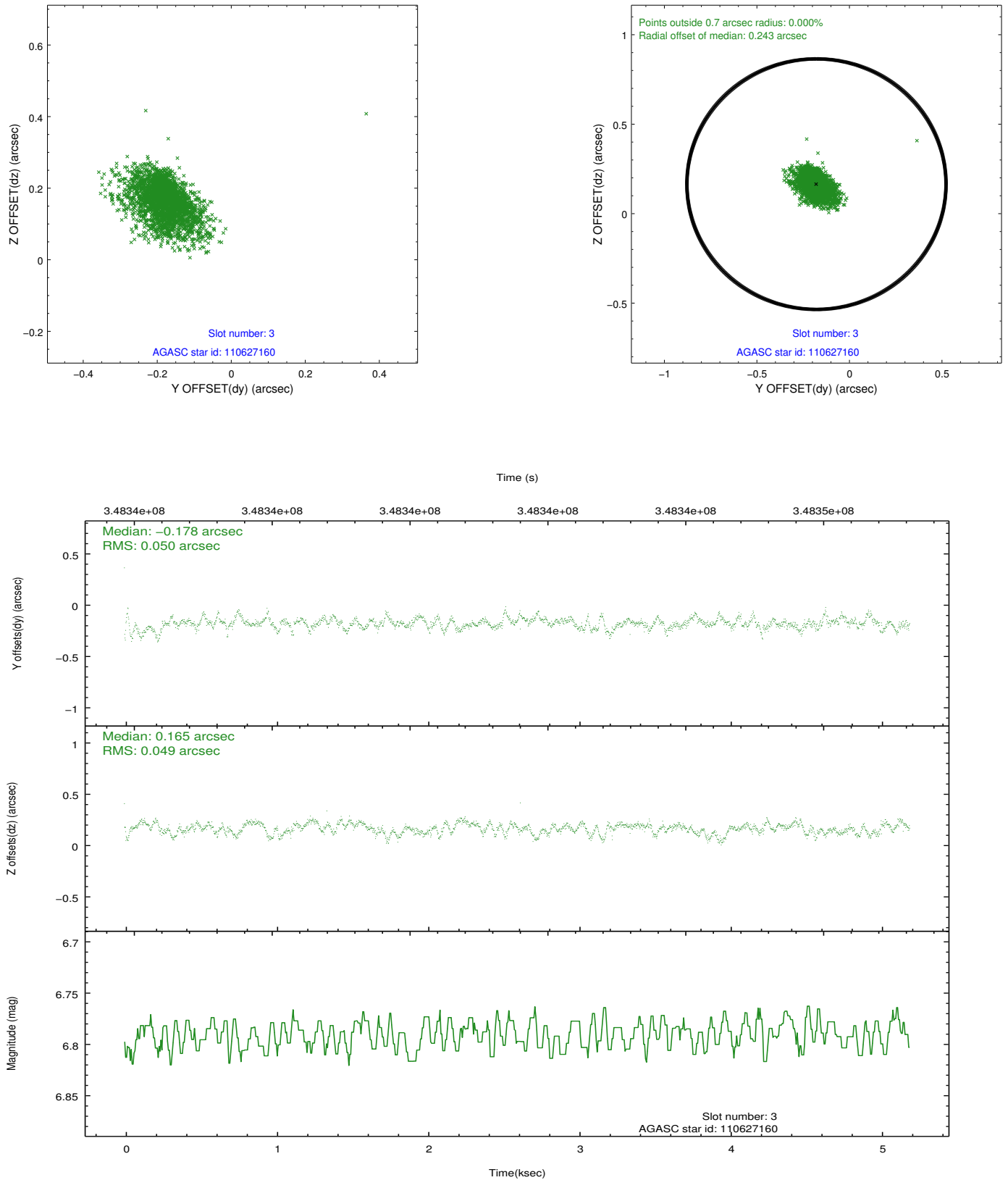


Slot Statistics

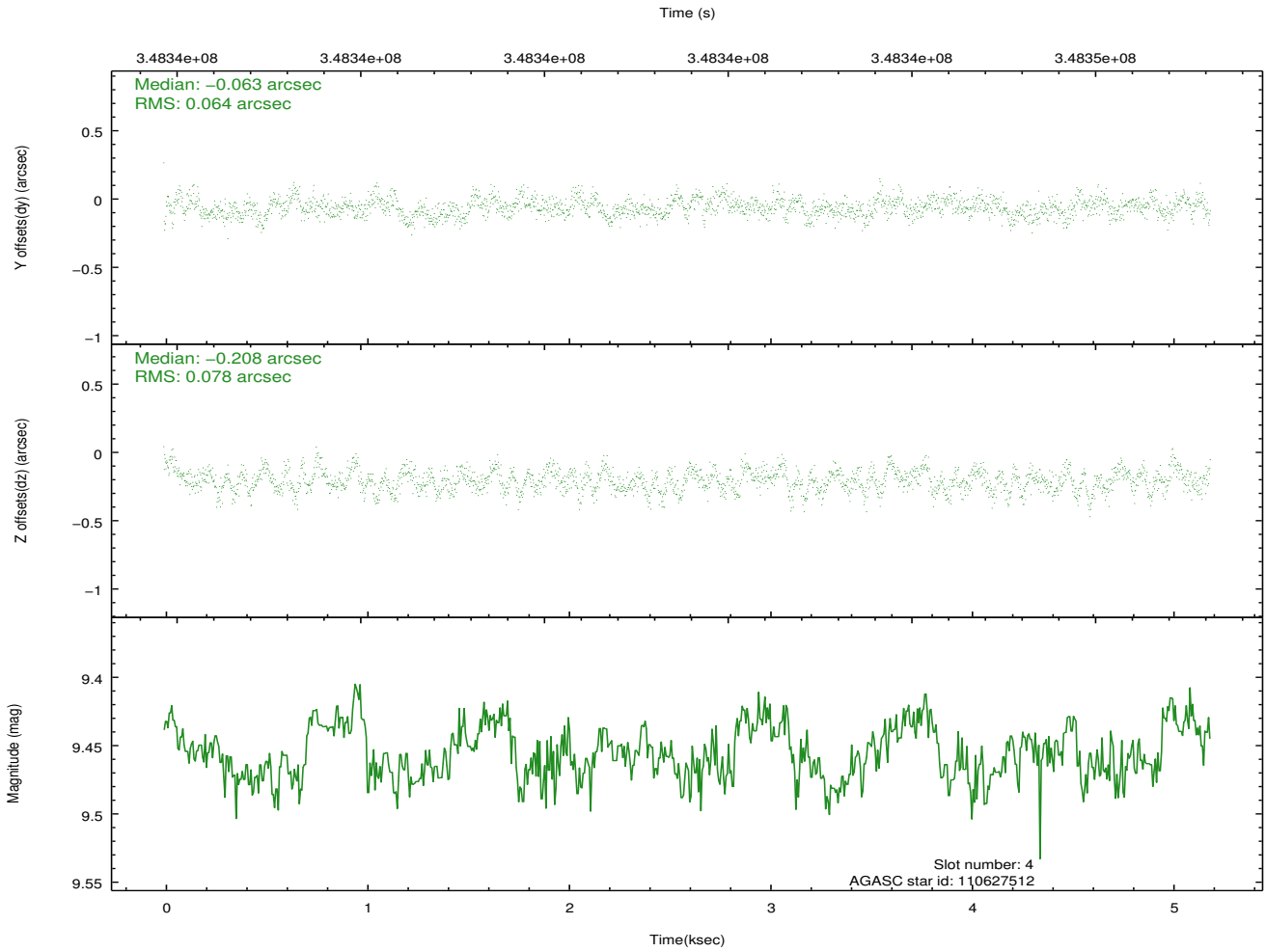
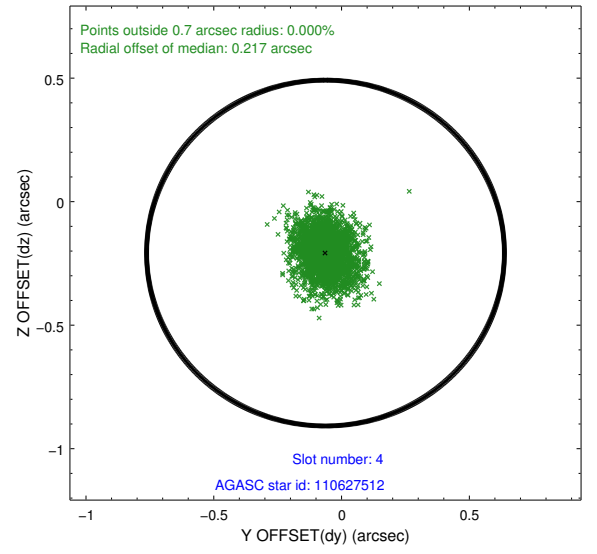
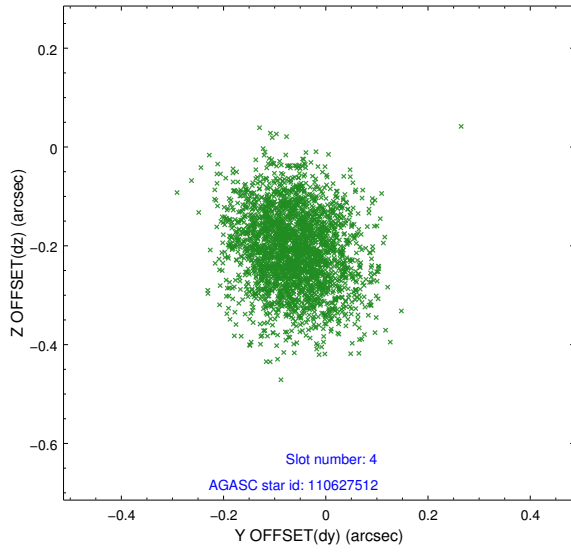
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | ACIS-S-2 | 6.93 | 1267 | -0.106 | -0.059 | 0.006 | 0.010 | 0.000000 | 0.000000 | -767.82 | -1736.58 |
| 1 | FID | ACIS-S-4 | 7.02 | 1267 | 0.111 | 0.062 | 0.006 | 0.011 | 0.000000 | 0.000000 | 2145.17 | 170.77 |
| 2 | FID | ACIS-S-6 | 7.15 | 1267 | -0.033 | 0.004 | 0.007 | 0.010 | 0.000000 | 0.000000 | 395.76 | 809.46 |
| 3 | GUIDE | 110627160 | 6.79 | 2534 | -0.178 | 0.165 | 0.071 | 0.126 | 157.202182 | 14.343698 | 1963.06 | -2398.26 |
| 4 | GUIDE | 110627512 | 9.46 | 2532 | -0.063 | -0.208 | 0.108 | 0.175 | 155.812687 | 14.245445 | 234.35 | 2142.32 |
| 5 | GUIDE | 110627824 | 9.03 | 2532 | -0.055 | 0.159 | 0.111 | 0.167 | 156.632123 | 14.251069 | 1070.31 | -589.36 |
| 6 | GUIDE | 110634680 | 8.72 | 2533 | 0.161 | -0.038 | 0.087 | 0.137 | 156.196398 | 13.589213 | -1648.39 | 184.45 |
| 7 | GUIDE | 110635680 | 8.98 | 2531 | 0.129 | -0.066 | 0.118 | 0.181 | 155.855985 | 13.905410 | -897.48 | 1650.44 |

2.4 Star Slots

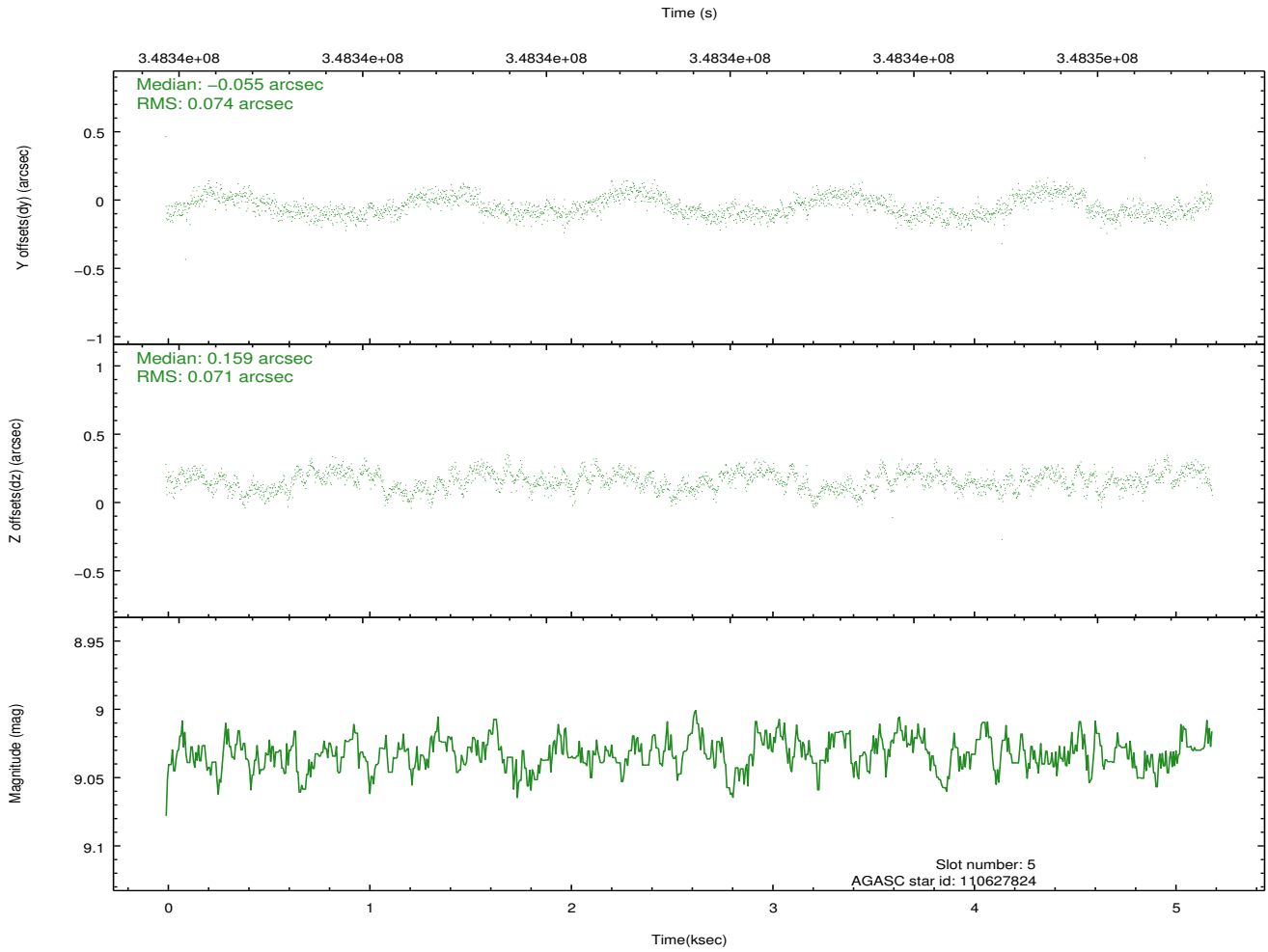
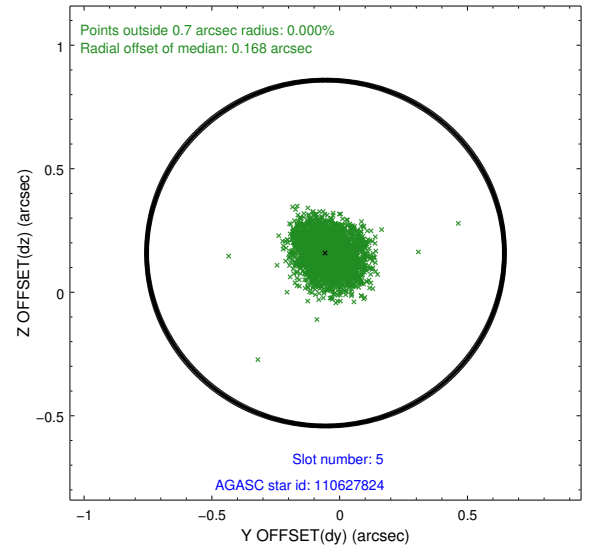
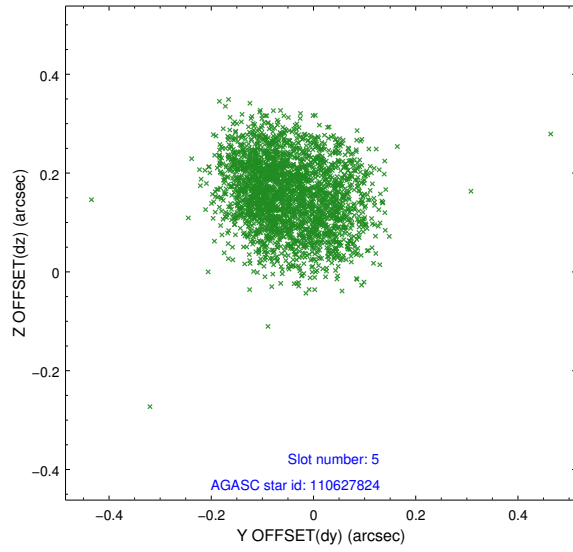
2.4.1 Slot 3



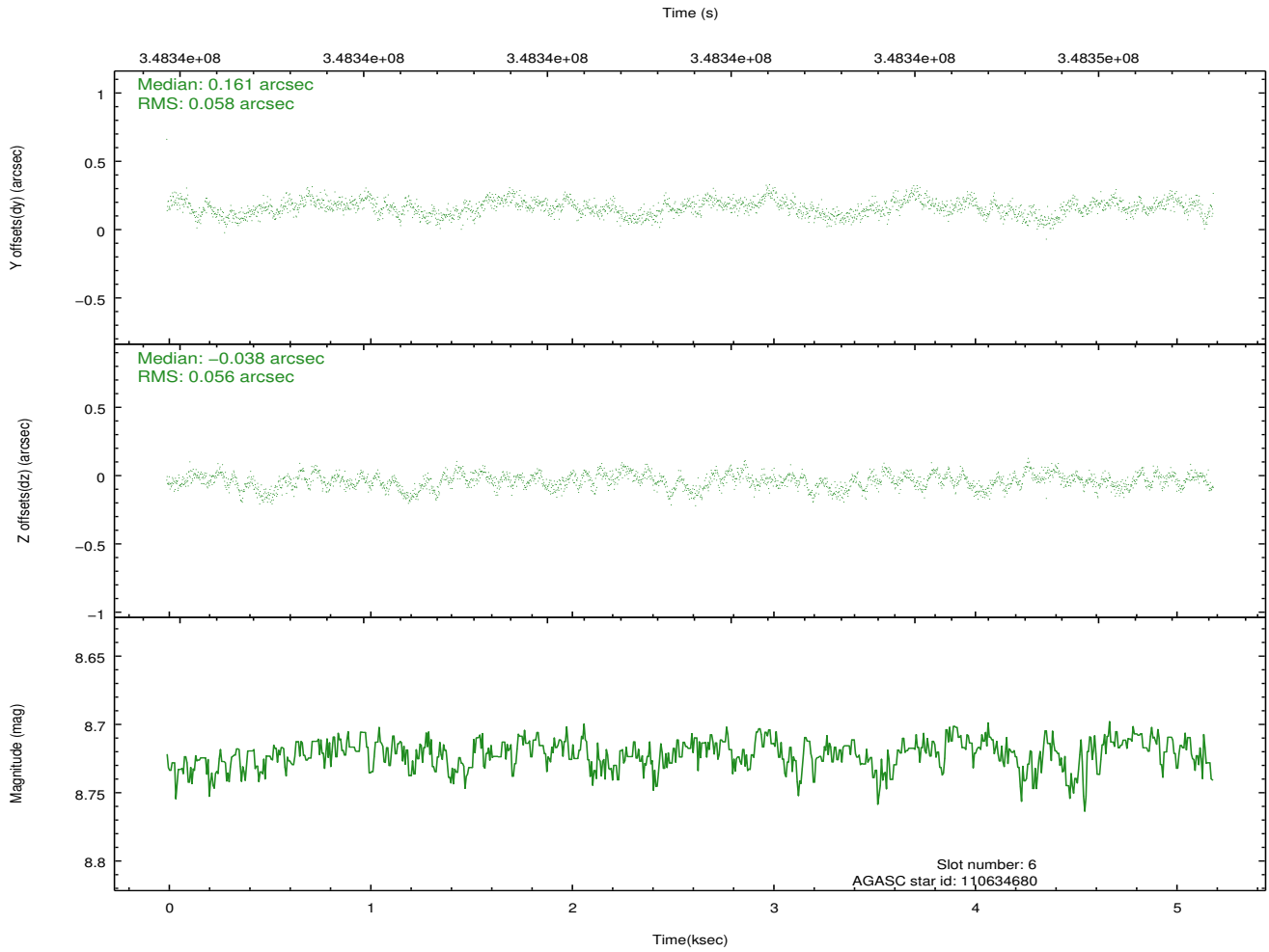
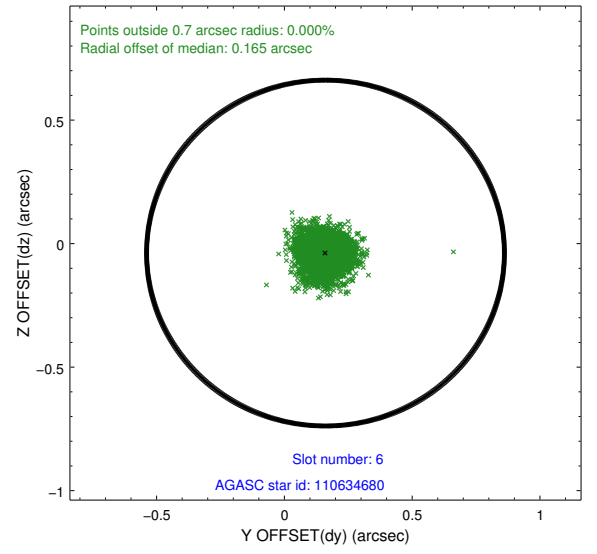
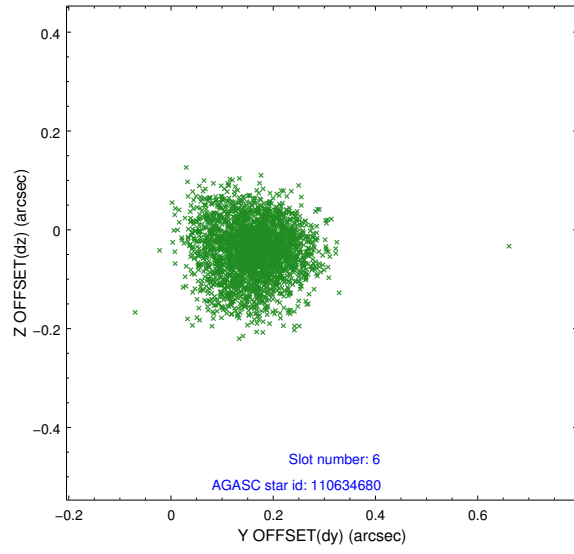
2.4.2 Slot 4



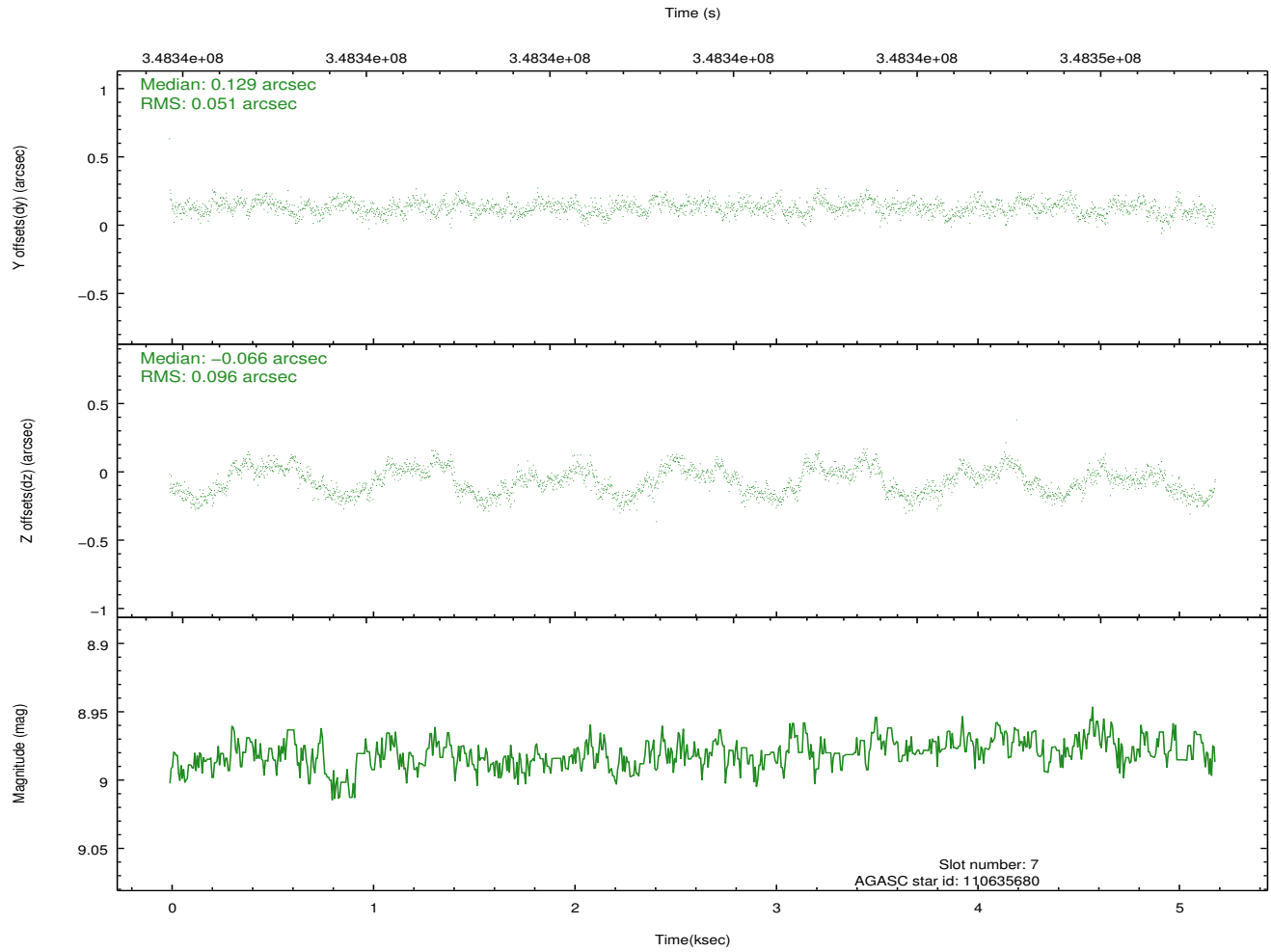
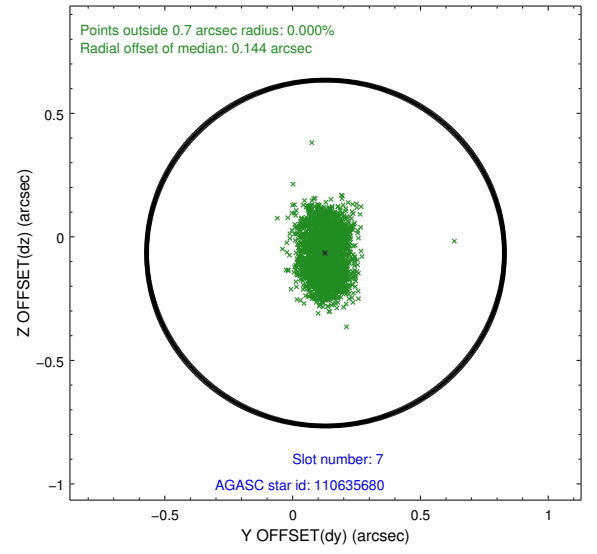
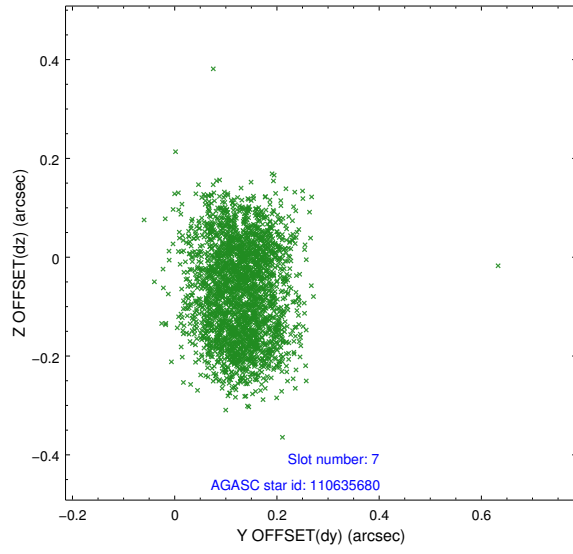
2.4.3 Slot 5



2.4.4 Slot 6

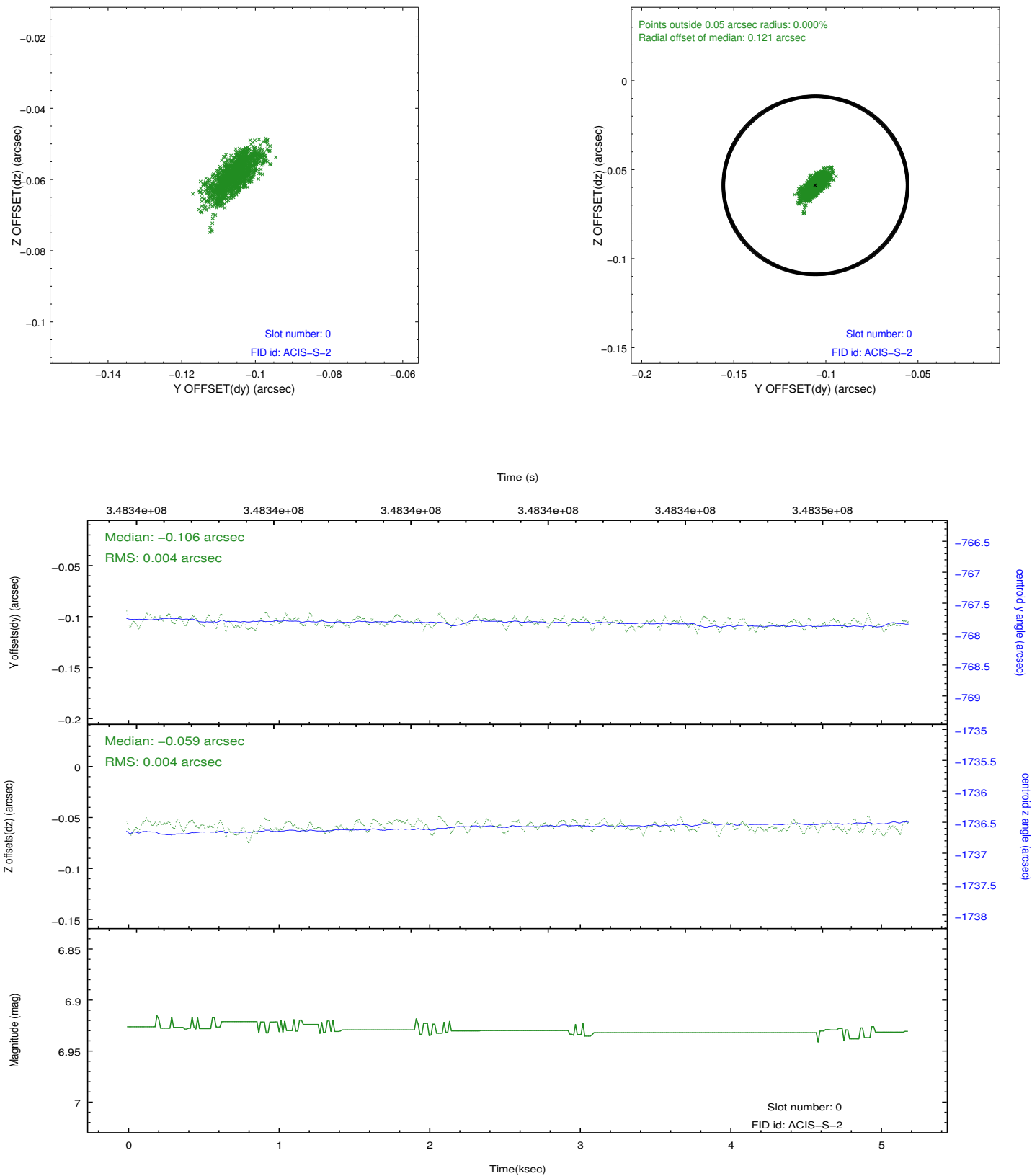


2.4.5 Slot 7

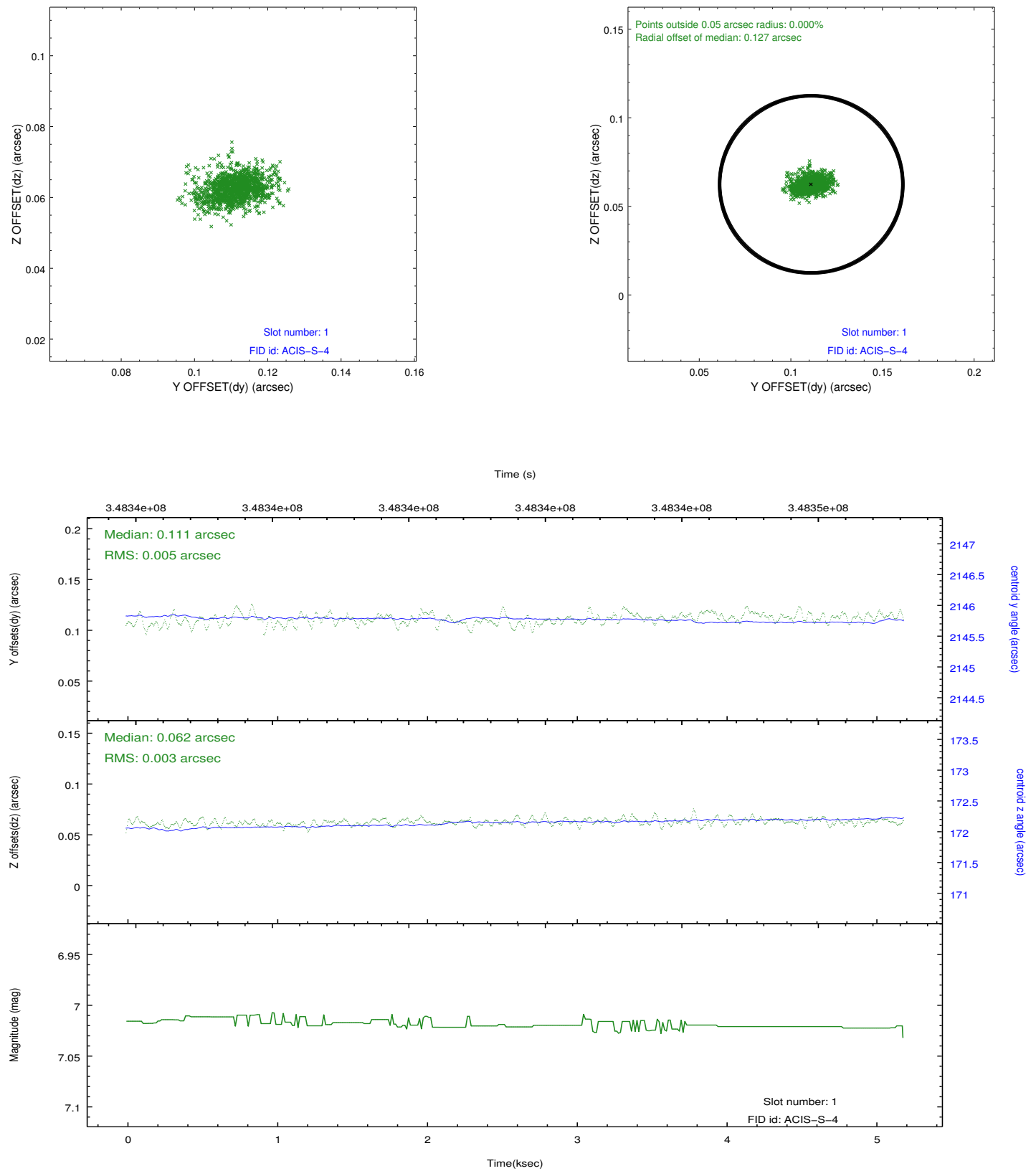


2.5 FID Slots

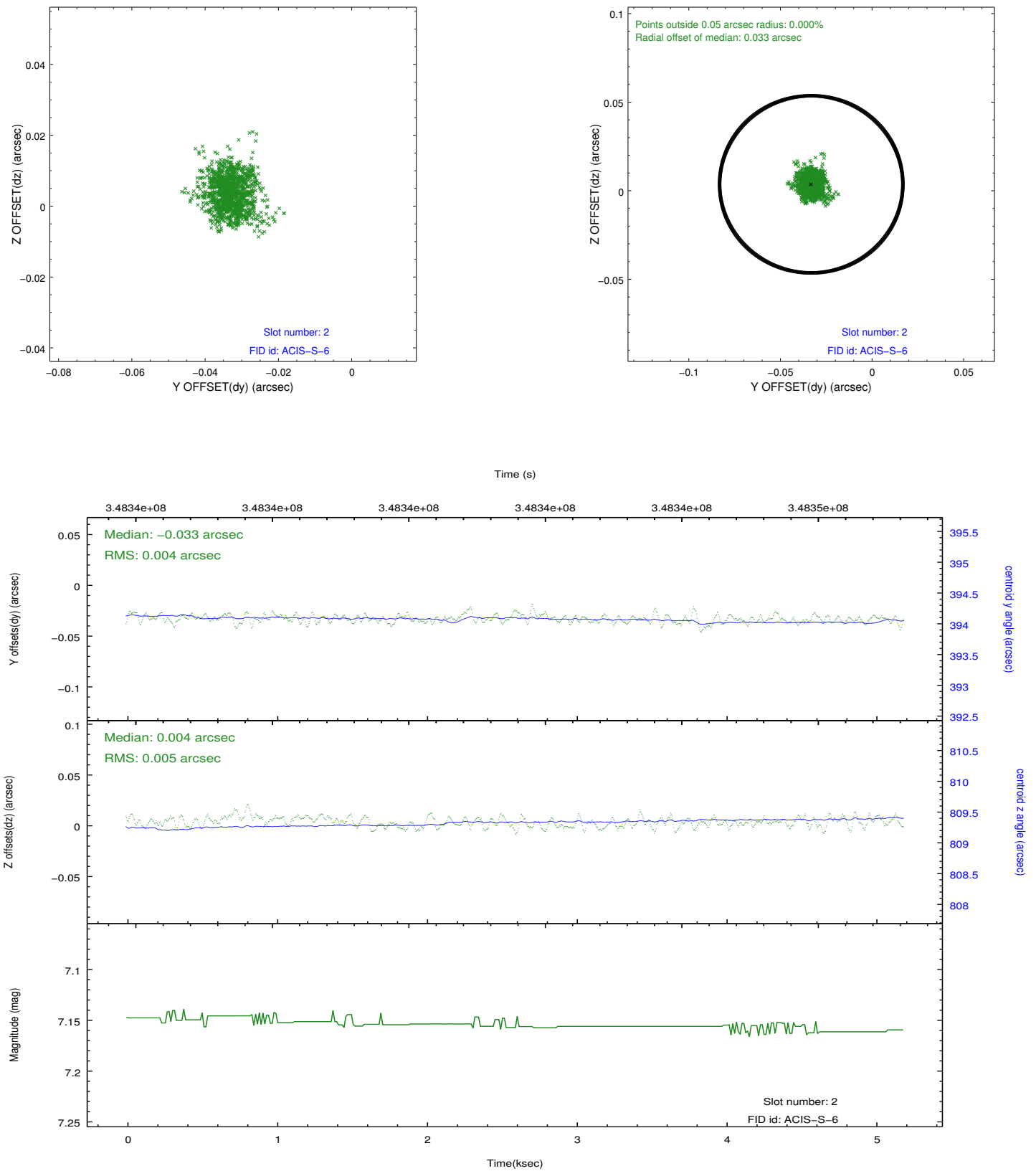
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2012.06.04 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 5.19120007 |

A.2 Comments