

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3569 - L2 Version 001
Chandra X-Ray Center

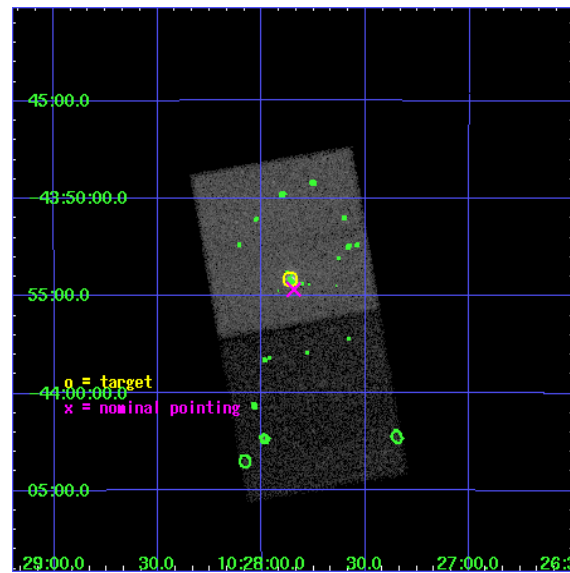
L2 Processing Date : Aug 3 2006

Contents

| | | |
|----------|-------------------------------|-----------|
| 1 | Front | 2 |
| 2 | OBI | 3 |
| 2.1 | OBI | 3 |
| 2.1.1 | Images | 3 |
| 2.1.2 | Bias | 3 |
| 2.1.3 | Parameters | 4 |
| 2.1.4 | Events | 4 |
| 2.2 | Compared Parameters | 5 |
| 2.3 | Aspect | 6 |
| 2.4 | Star Slots | 9 |
| 2.4.1 | Slot 3 | 9 |
| 2.4.2 | Slot 4 | 10 |
| 2.4.3 | Slot 5 | 11 |
| 2.4.4 | Slot 6 | 12 |
| 2.4.5 | Slot 7 | 13 |
| 2.5 | FID Slots | 14 |
| 2.5.1 | Slot 0 | 14 |
| 2.5.2 | Slot 1 | 15 |
| 2.5.3 | Slot 2 | 16 |
| 3 | Point Sources | 17 |
| A | Summary | 18 |
| A.1 | Status | 18 |
| A.2 | Comments | 18 |

1 Front

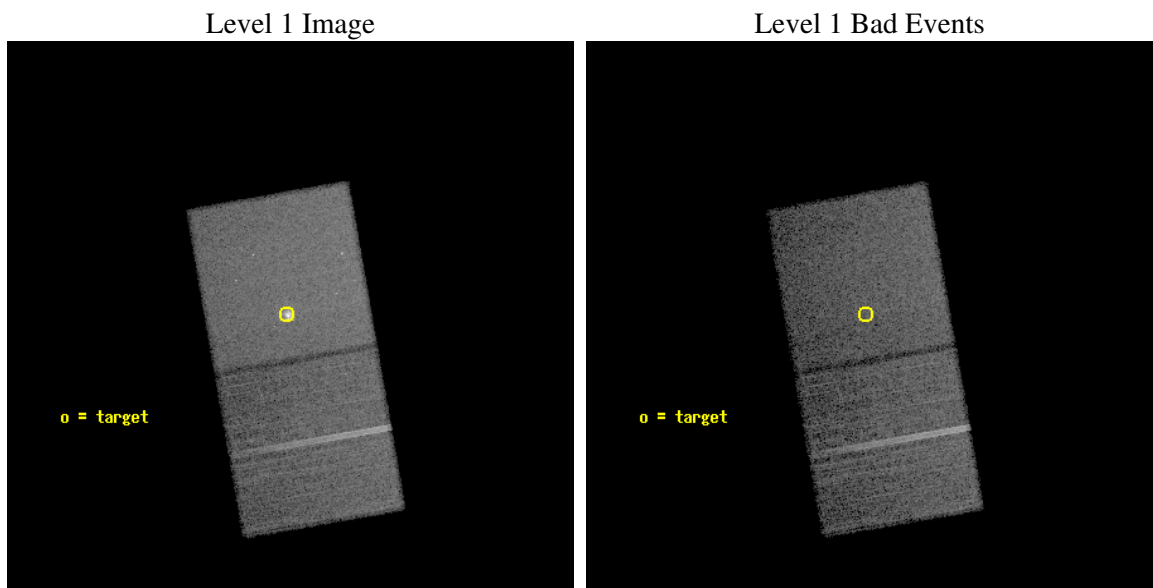
| | |
|-----------|--------------------|
| seq_num | 700631 |
| obs_id | 3569 |
| title | NGC 4569 LINEAR |
| observer | Dr. Stephen Murray |
| object | NGC 3256 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 156.965833 |
| dec_targ | -43.902417 |
| ra_nom | 156.96123285173 |
| dec_nom | -43.911462514331 |
| roll_nom | 259.98363090931 |
| revision | 2 |
| ontime | 27579.0 |
| liveltime | 27206.810827875 |
| ontime6 | 27579.0 |
| ontime7 | 27579.0 |
| l2events | 114151 |



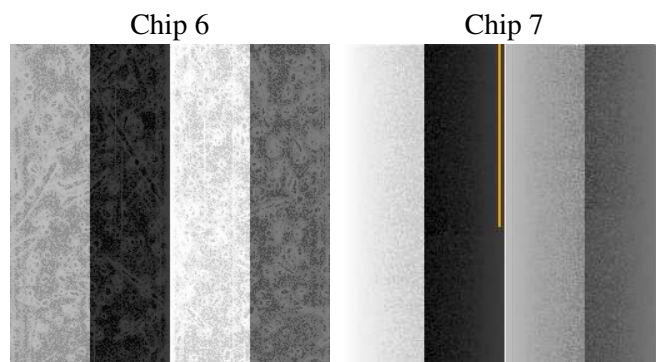
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.8 |
| caldsver | 3.2.2 |
| date | 2006-08-03T02:41:17 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 27192.000000 |
| ontime | 27706.605884761 |
| ontime6 | 27706.605884761 |
| ontime7 | 27706.605884761 |
| l1events | 426965 |

2.1.4 Events

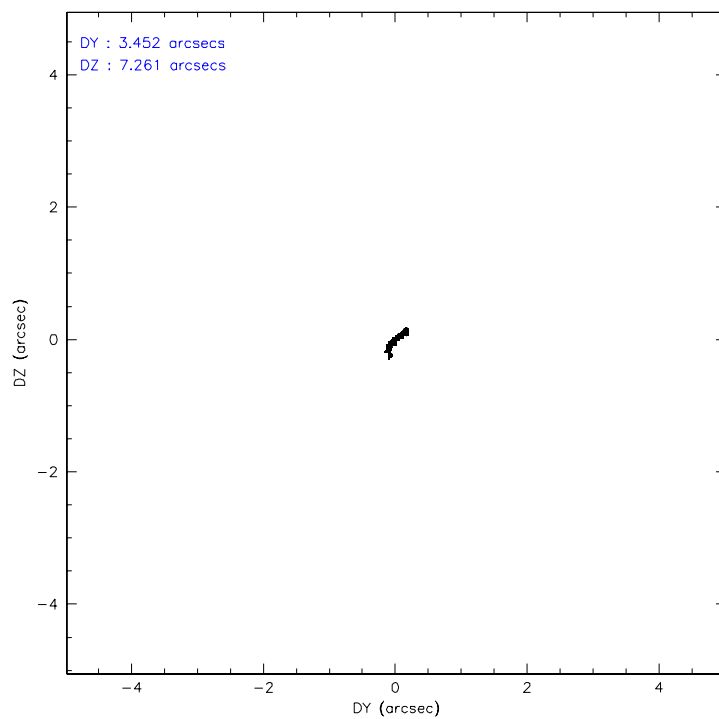
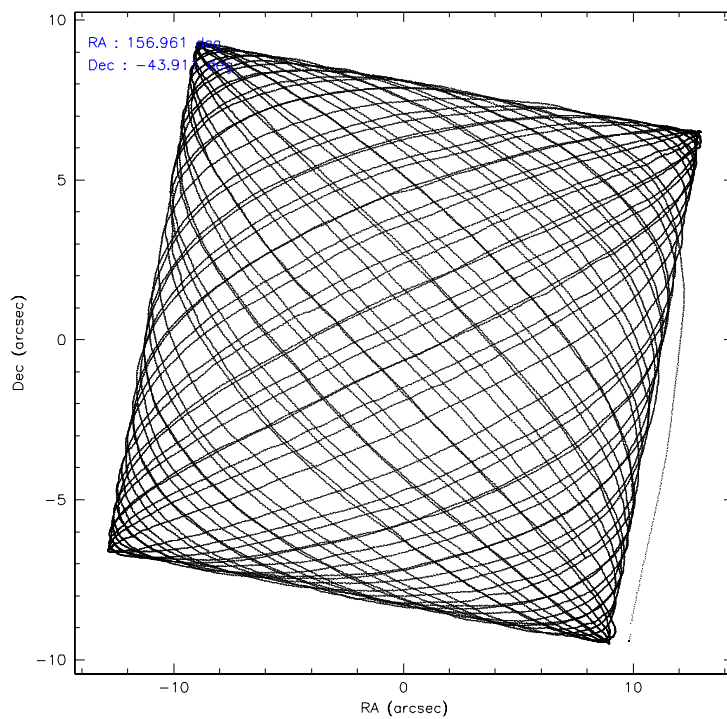
| | ccd 6 | ccd 7 |
|-----------------|--------------|--------------|
| level 1 events | 183461 | 243504 |
| rejected events | 161668 | 146262 |
| rejected % | 88% | 60% |

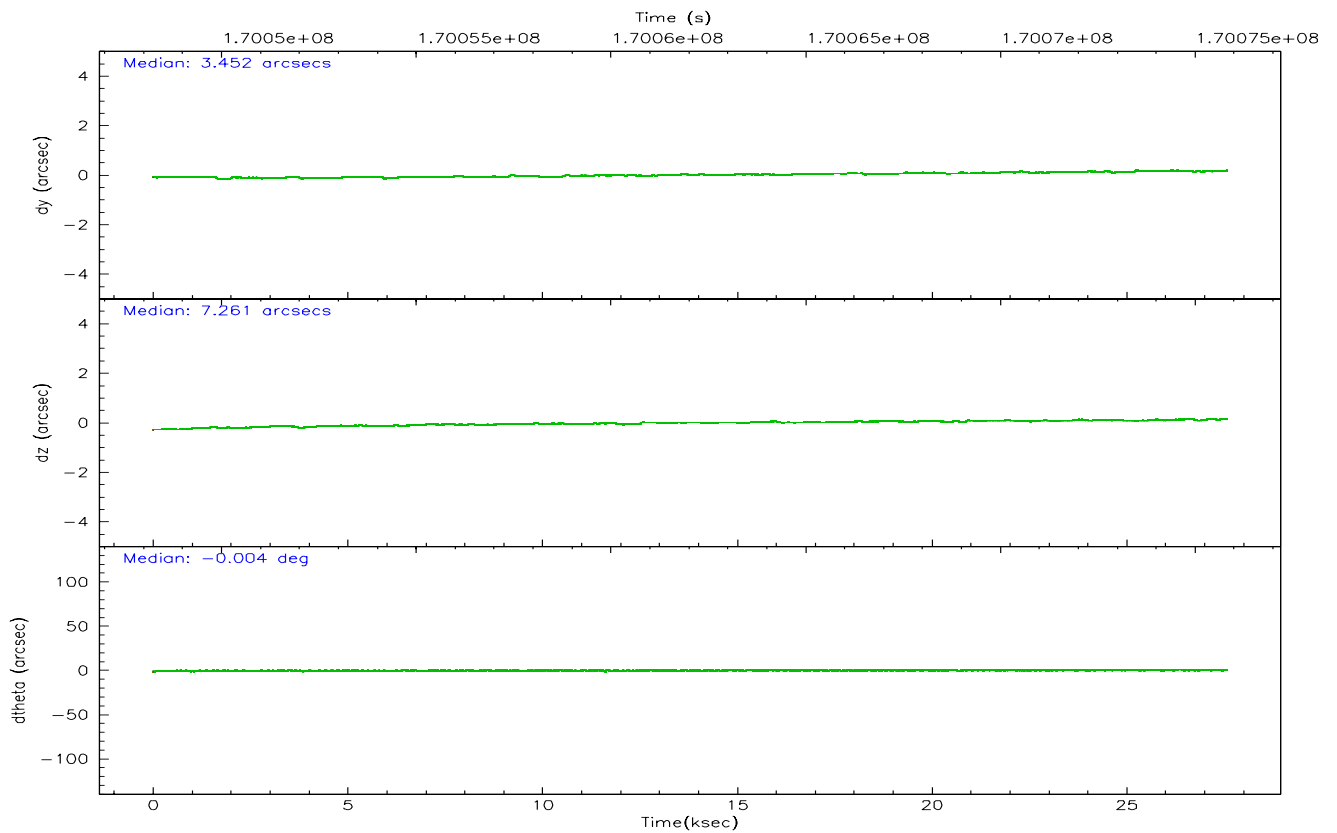
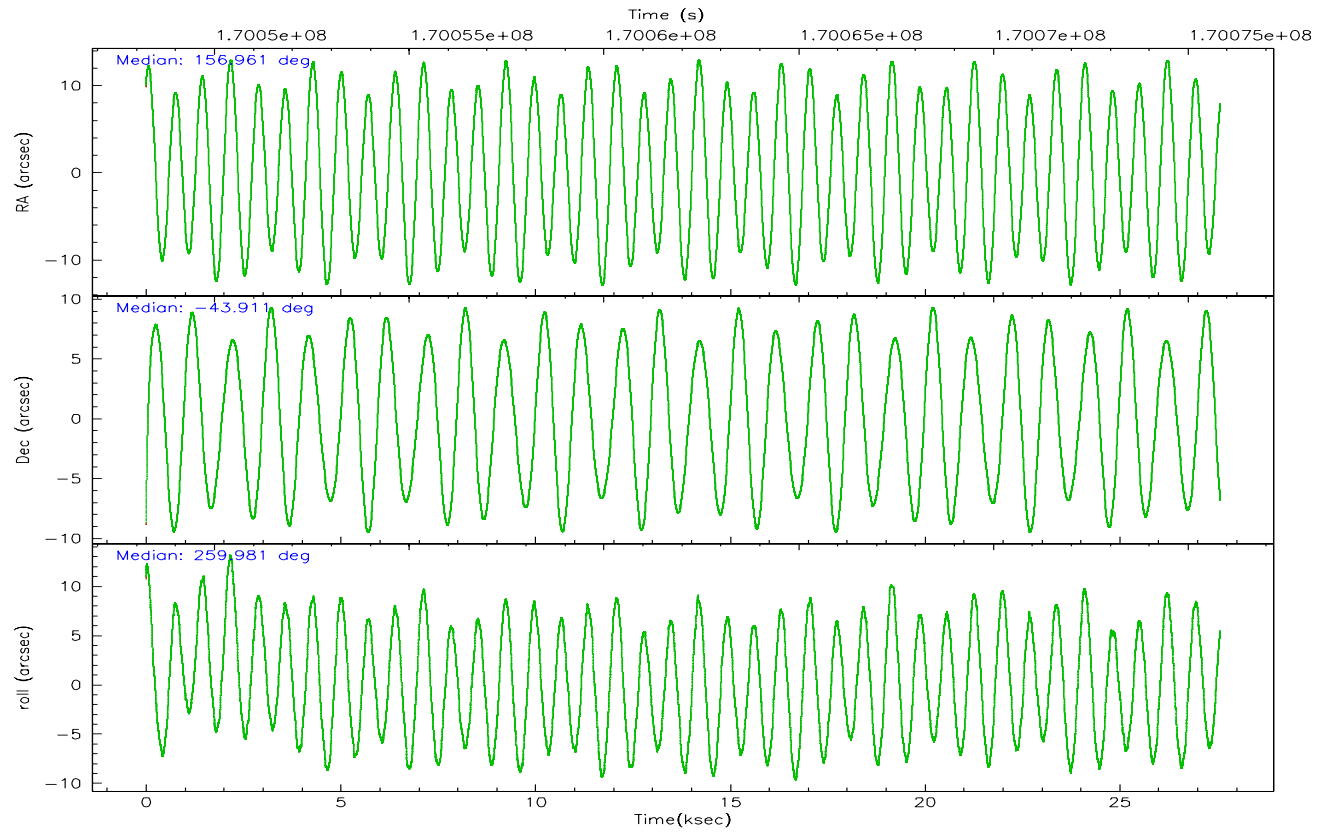
| | ccd 6 | ccd 7 |
|----------------|--------------|--------------|
| grade 0 events | 9137 | 7994 |
| | 4% | 3% |
| grade 1 events | 85 | 127 |
| | 0% | 0% |
| grade 2 events | 4198 | 24151 |
| | 2% | 9% |
| grade 3 events | 2113 | 5386 |
| | 1% | 2% |
| grade 4 events | 2164 | 5383 |
| | 1% | 2% |
| grade 5 events | 8009 | 15340 |
| | 4% | 6% |
| grade 6 events | 4279 | 54790 |
| | 2% | 22% |
| grade 7 events | 153476 | 130333 |
| | 83% | 53% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-67 | ACIS-67 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | VFAINT | VFAINT | On-chip summing requested | N | N |
| Observation mode | POINTING | POINTING | Subarray requested | NONE | NONE |
| Pointing RA | 156.947819 | 156.9612328517276 | Alternating exposures requested | N | N |
| Pointing Dec | -43.886033 | -43.91146251433082 | Primary exposure time | 0.000000 | 3 |
| Pointing Roll | 259.817704 | 259.9836309093112 | | | |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | | | |
| SIM defocus (mm) | 0 | 0.001444936568705701 | | | |
| SIM translation stage pos (mm) | -190.132523 | -190.1425803651734 | | | |
| SIM translation stage offset (mm) | 0 | 0.01005778216563158 | | | |
| Observation start time | 170048627.184000 | 170047551.93431 | | | |
| Observation start date | 2003-05-23T03:42:43 | 2003-05-23T03:25:51 | | | |
| Observation end time | 170075819.184000 | 170076824.91055 | | | |
| Observation end date | 2003-05-23T11:15:55 | 2003-05-23T11:33:44 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



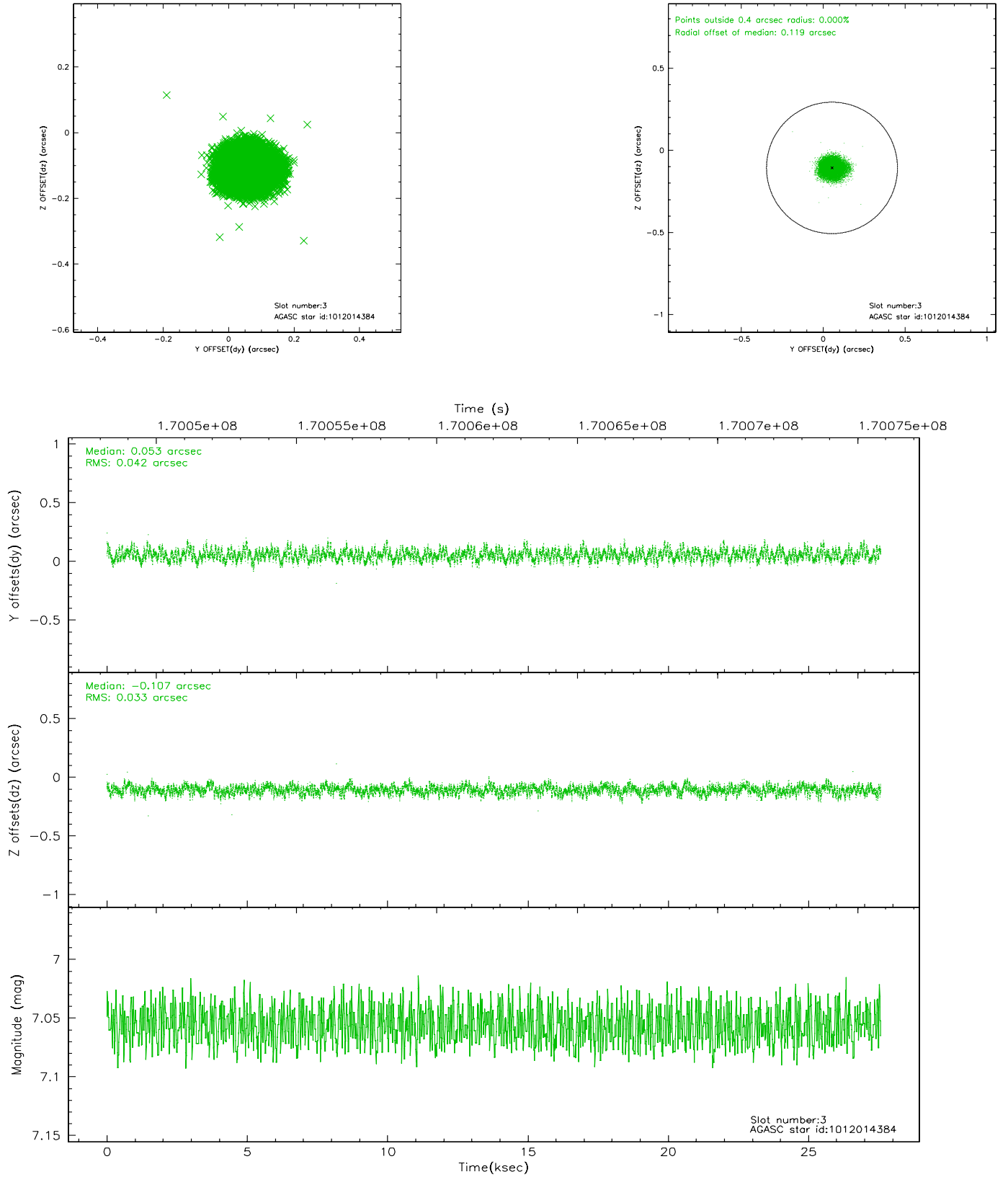


Slot Statistics

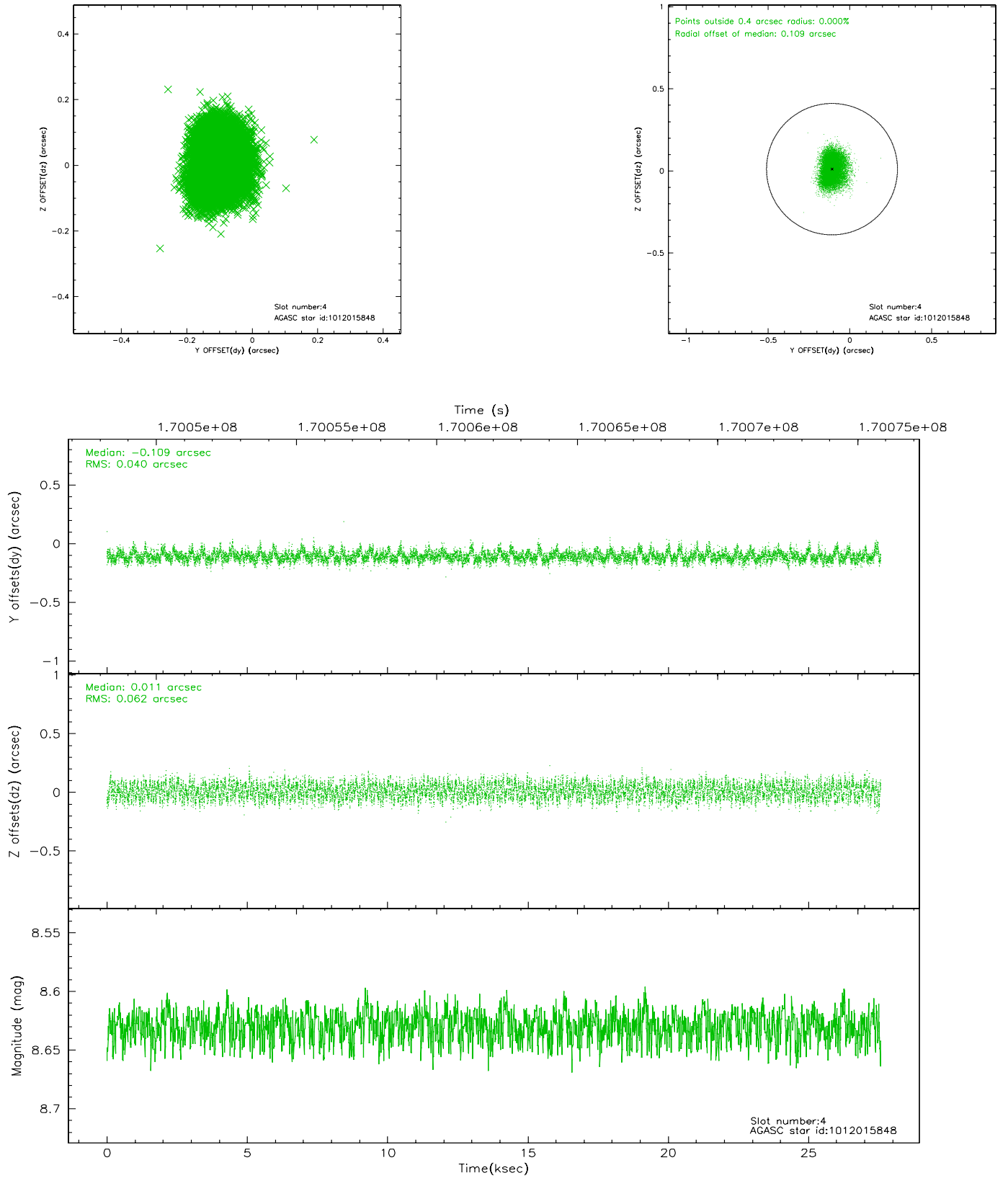
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.12 | 6728 | -0.005 | 0.018 | 0.007 | 0.012 | 0.000000 | 0.000000 | -756.12 | -1728.35 |
| 1 | FID | ACIS-S-4 | 7.20 | 6728 | -0.022 | -0.002 | 0.006 | 0.011 | 0.000000 | 0.000000 | 2157.09 | 180.02 |
| 2 | FID | ACIS-S-5 | 7.24 | 6724 | -0.005 | -0.007 | 0.008 | 0.014 | 0.000000 | 0.000000 | -1808.85 | 173.79 |
| 3 | GUIDE | 1012014384 | 7.06 | 13452 | 0.053 | -0.107 | 0.058 | 0.090 | 156.922596 | -44.342264 | 1628.56 | 226.57 |
| 4 | GUIDE | 1012015848 | 8.63 | 13456 | -0.109 | 0.011 | 0.080 | 0.124 | 156.259270 | -43.459488 | -1185.40 | -2040.93 |
| 5 | GUIDE | 1012021624 | 7.79 | 13453 | 0.017 | -0.006 | 0.079 | 0.124 | 156.050924 | -44.038227 | 962.52 | -2185.47 |
| 6 | GUIDE | 1012025440 | 9.14 | 13451 | 0.066 | 0.141 | 0.089 | 0.139 | 156.542398 | -44.472818 | 2266.38 | -651.02 |
| 7 | GUIDE | 1012017064 | 7.11 | 13456 | -0.036 | -0.037 | 0.066 | 0.111 | 157.176692 | -43.838343 | -272.71 | 554.67 |

2.4 Star Slots

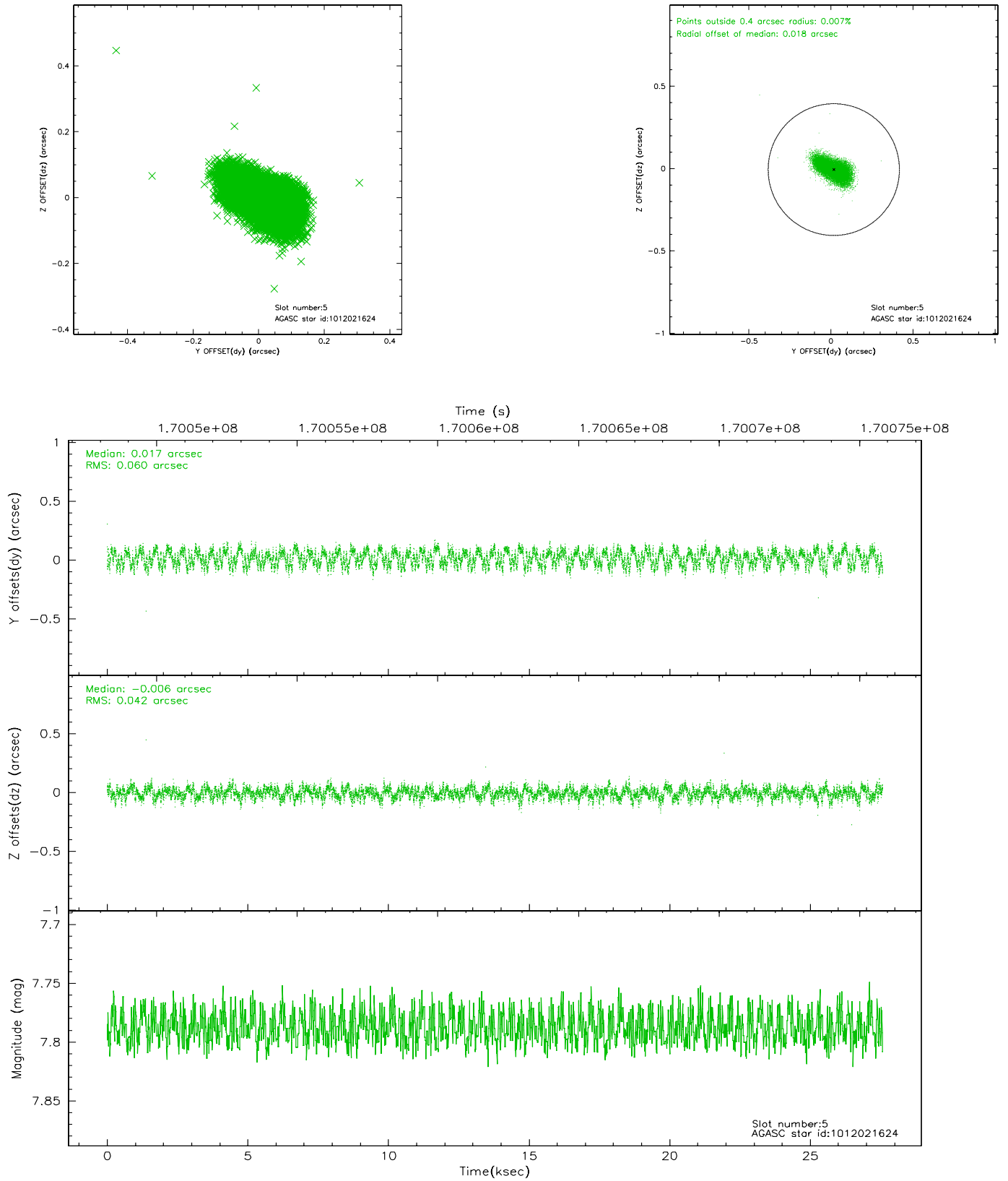
2.4.1 Slot 3



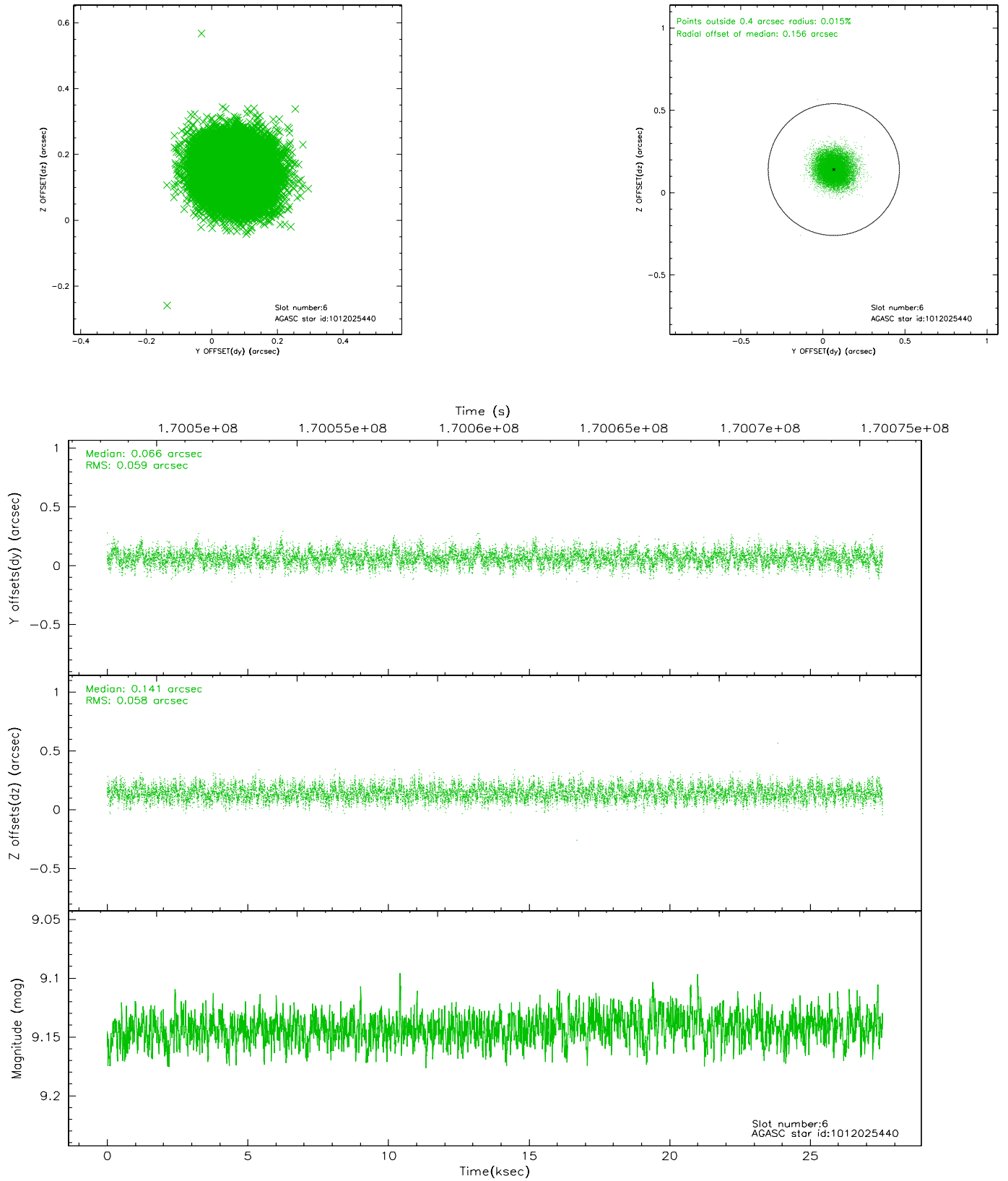
2.4.2 Slot 4



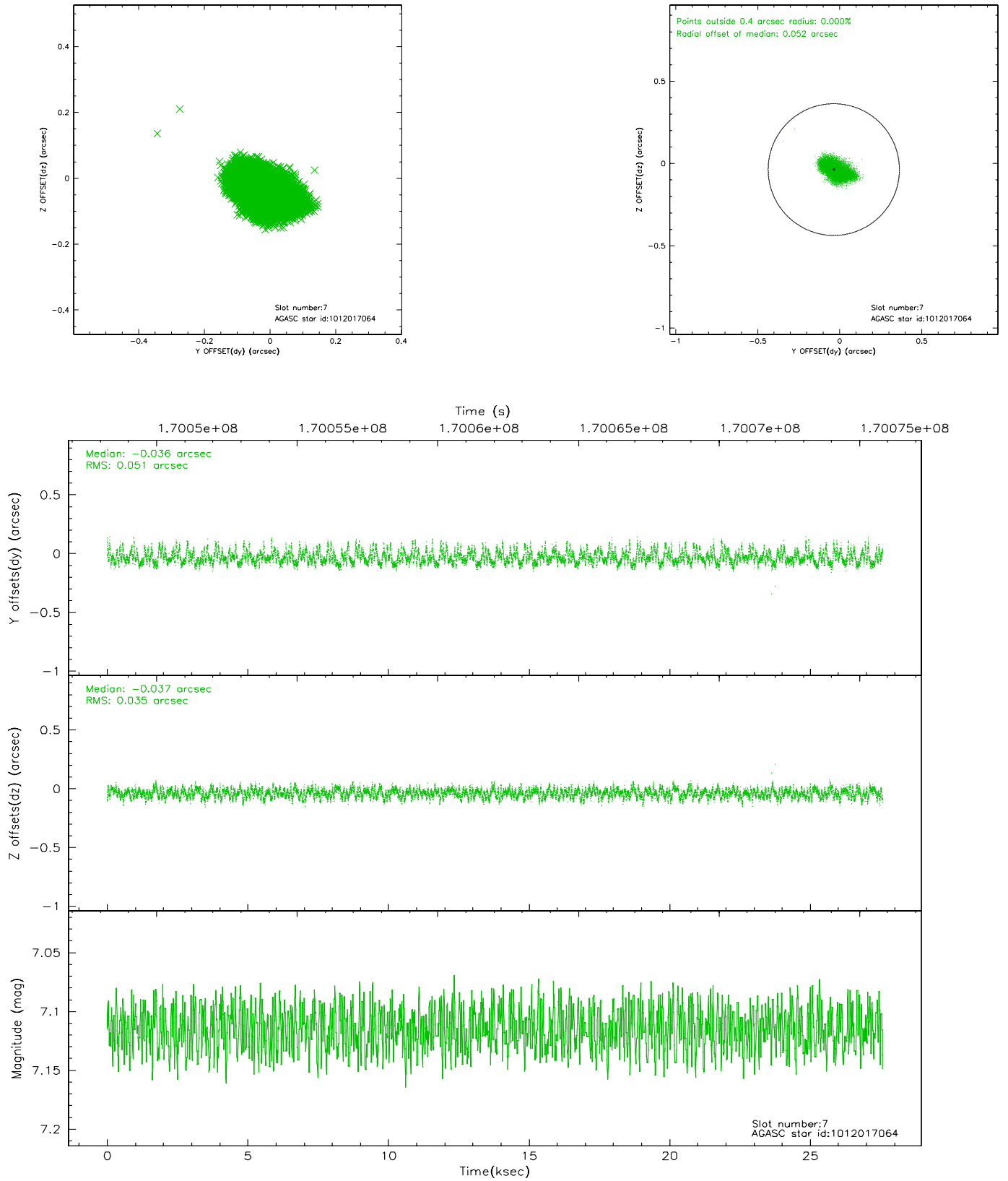
2.4.3 Slot 5



2.4.4 Slot 6

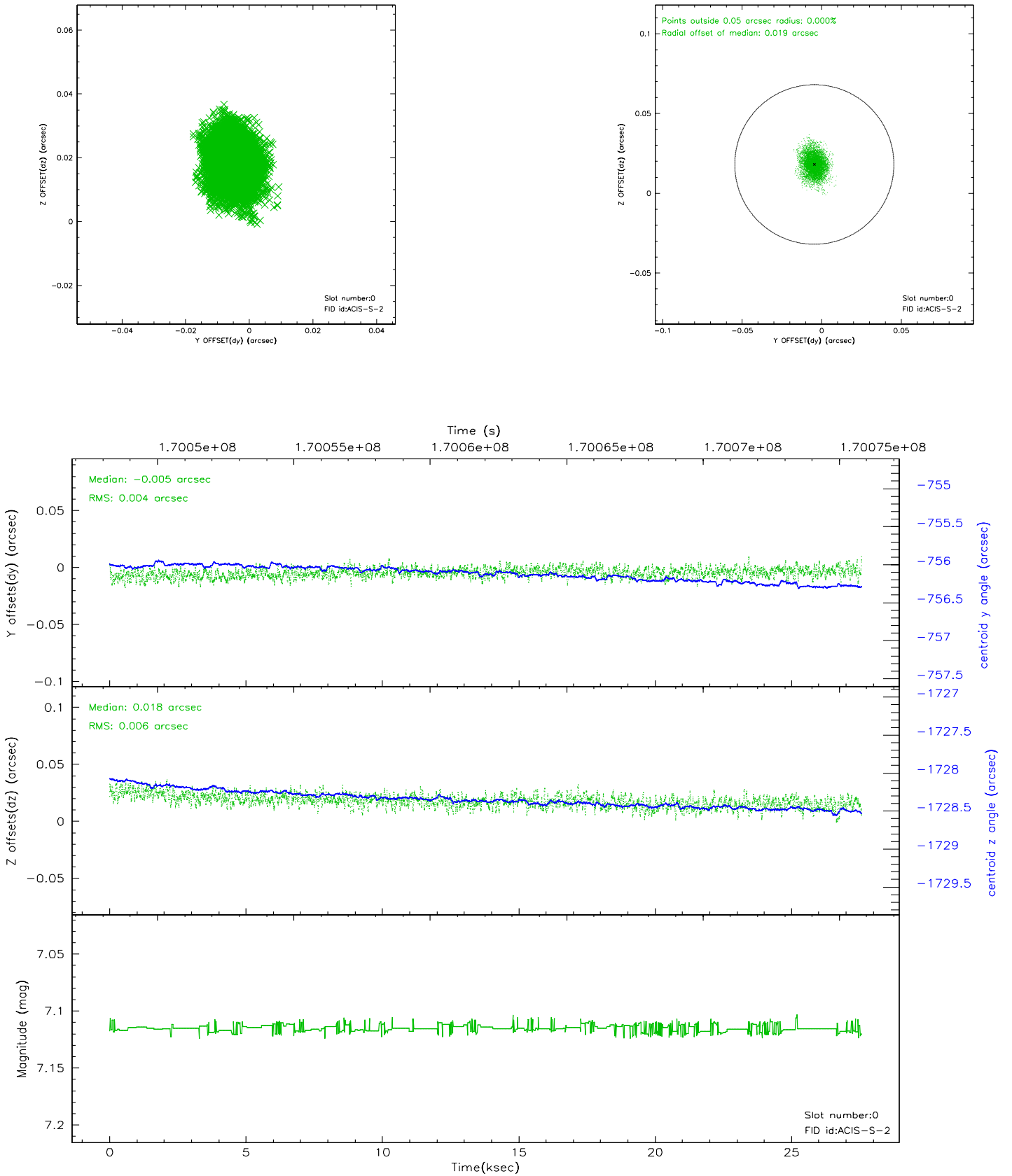


2.4.5 Slot 7

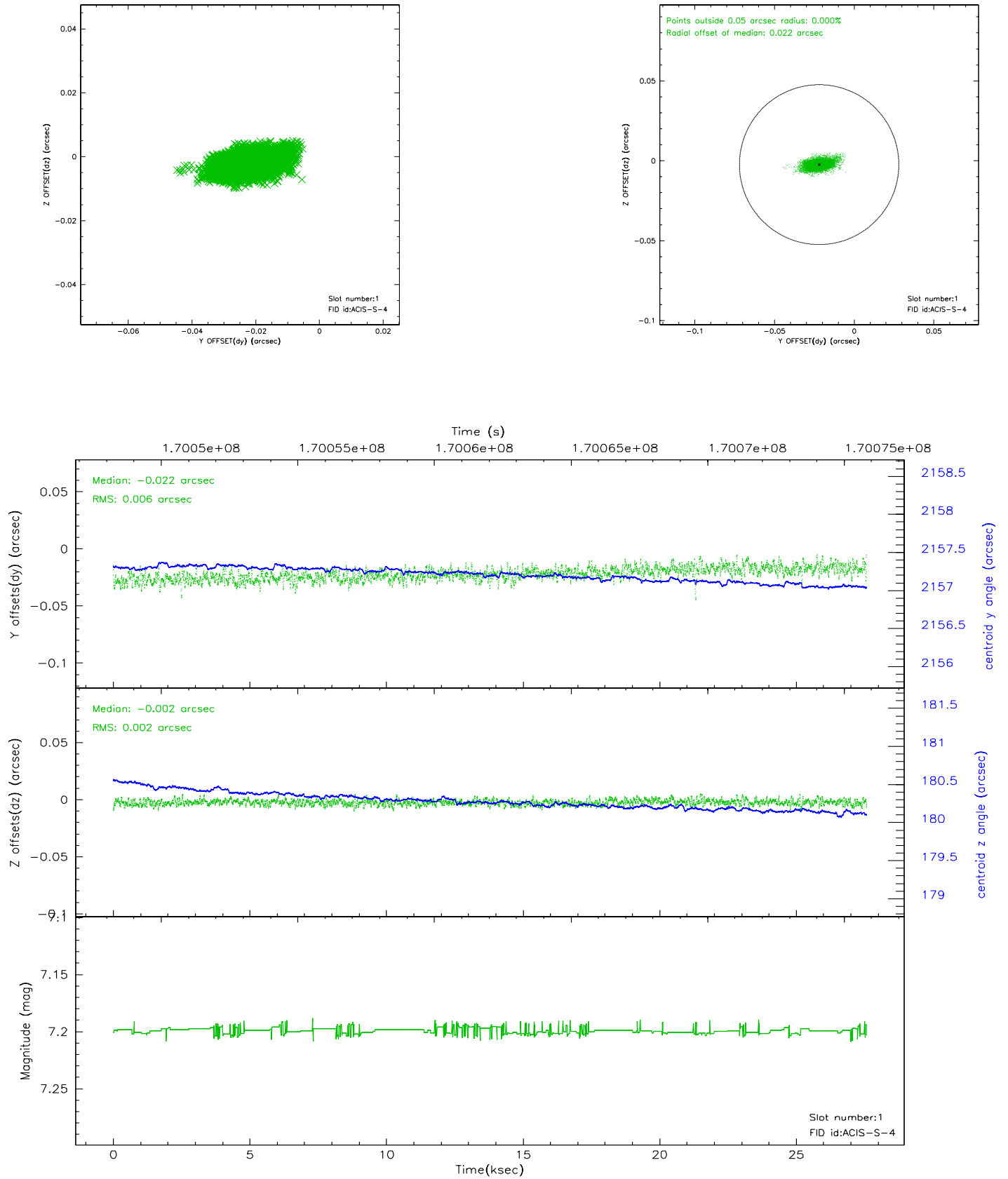


2.5 FID Slots

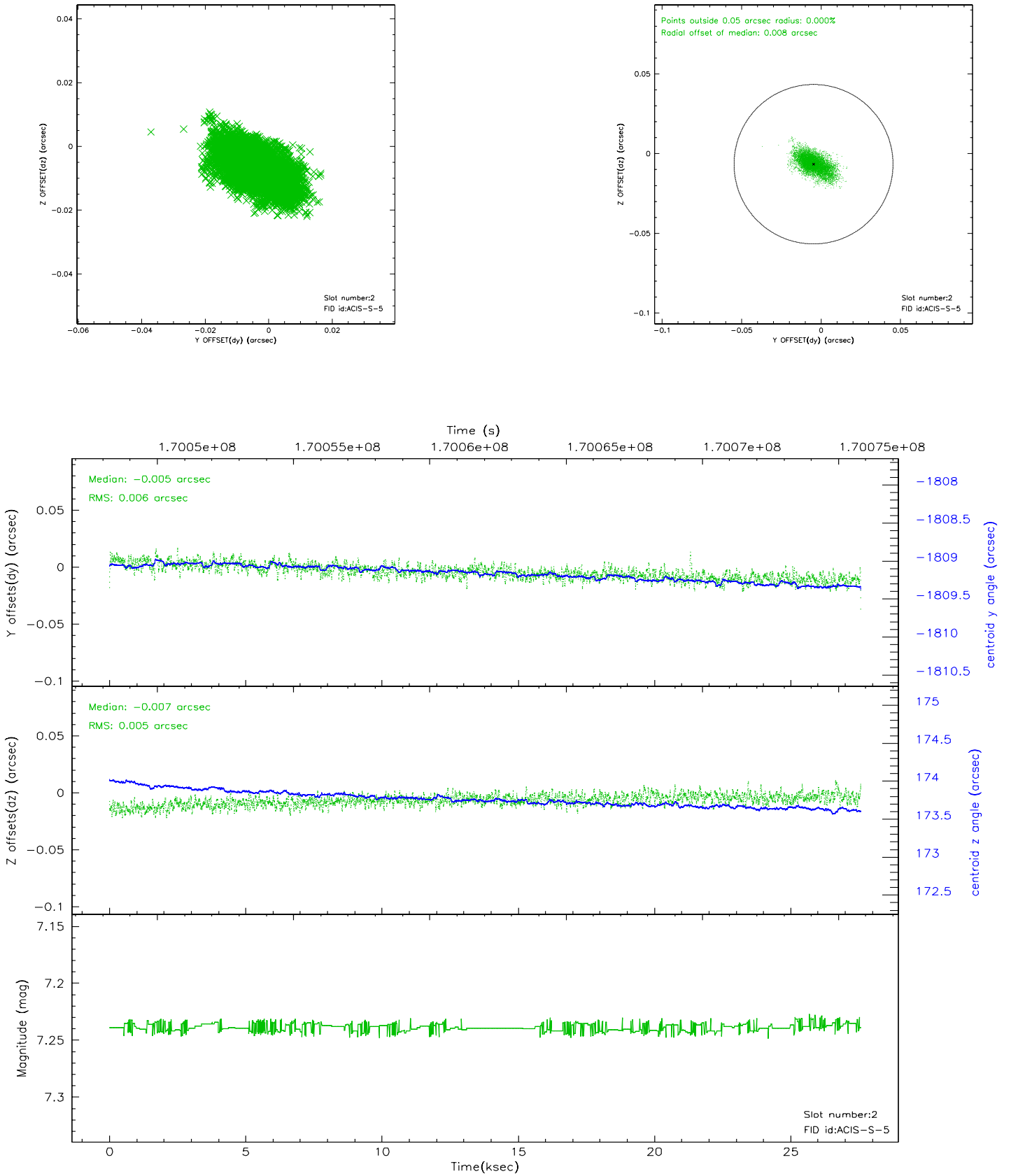
2.5.1 Slot 0



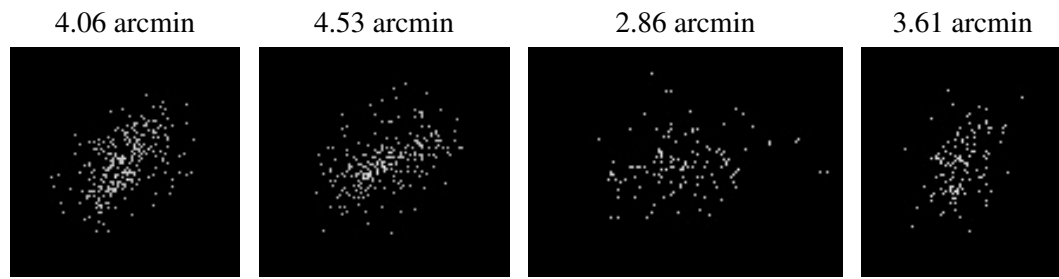
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2006.08.03 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 27.579 |

A.2 Comments