

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 971 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Nov 14 2006

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1 Front

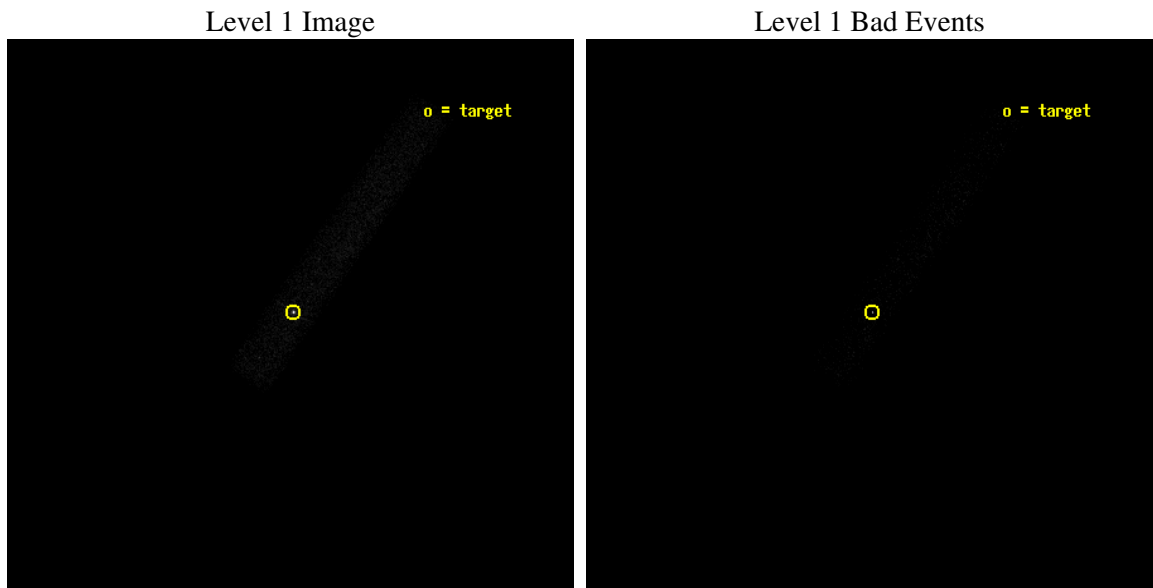
| | |
|----------|----------------------------|
| seq_num | 200078 |
| obs_id | 971 |
| title | OBSERVATION OF BROWN DWARF |
| observer | Professor Gordon Garmire |
| object | TWA-5 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 172.980833 |
| dec_targ | -34.6075 |
| ra_nom | 172.98197159458 |
| dec_nom | -34.61195087263 |
| roll_nom | 304.56483853251 |
| revision | 2 |
| ontime | 10308.000153601 |
| livetime | 9348.8120384556 |
| ontime7 | 10308.000153601 |
| l2events | 10866 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 1 |
| ascdsver | 7.6.9 |
| caldbver | 3.2.4 |
| date | 2006-11-14T16:32:45 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 9789.532000 |
| ontime | 10636.878462046 |
| ontime7 | 10636.878462046 |
| l1events | 17352 |

2.1.4 Events

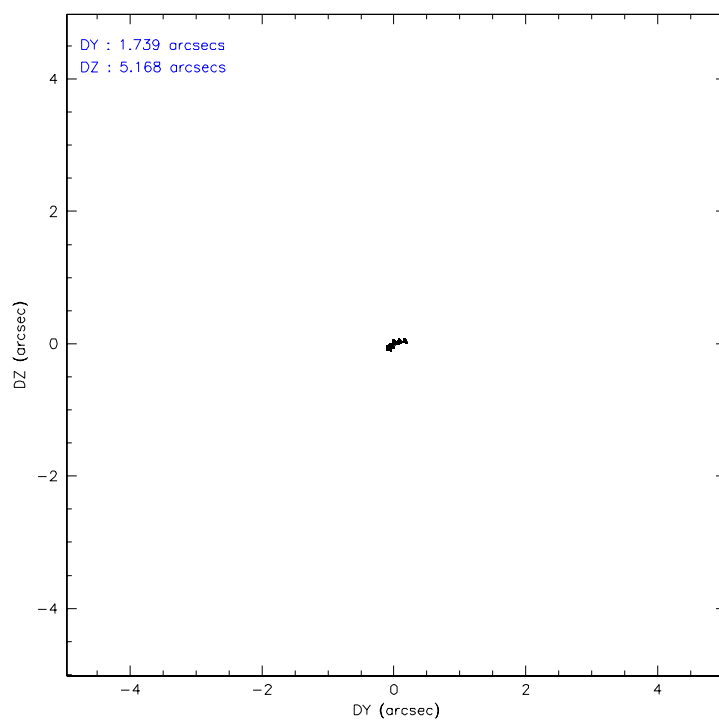
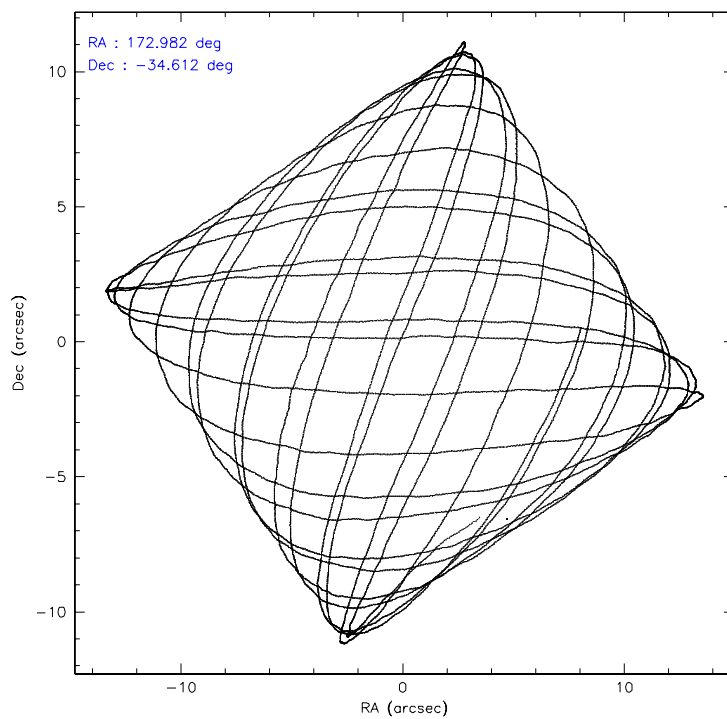
| | |
|-----------------|--------------|
| | ccd 7 |
| level 1 events | 17352 |
| rejected events | 5994 |
| rejected % | 34% |

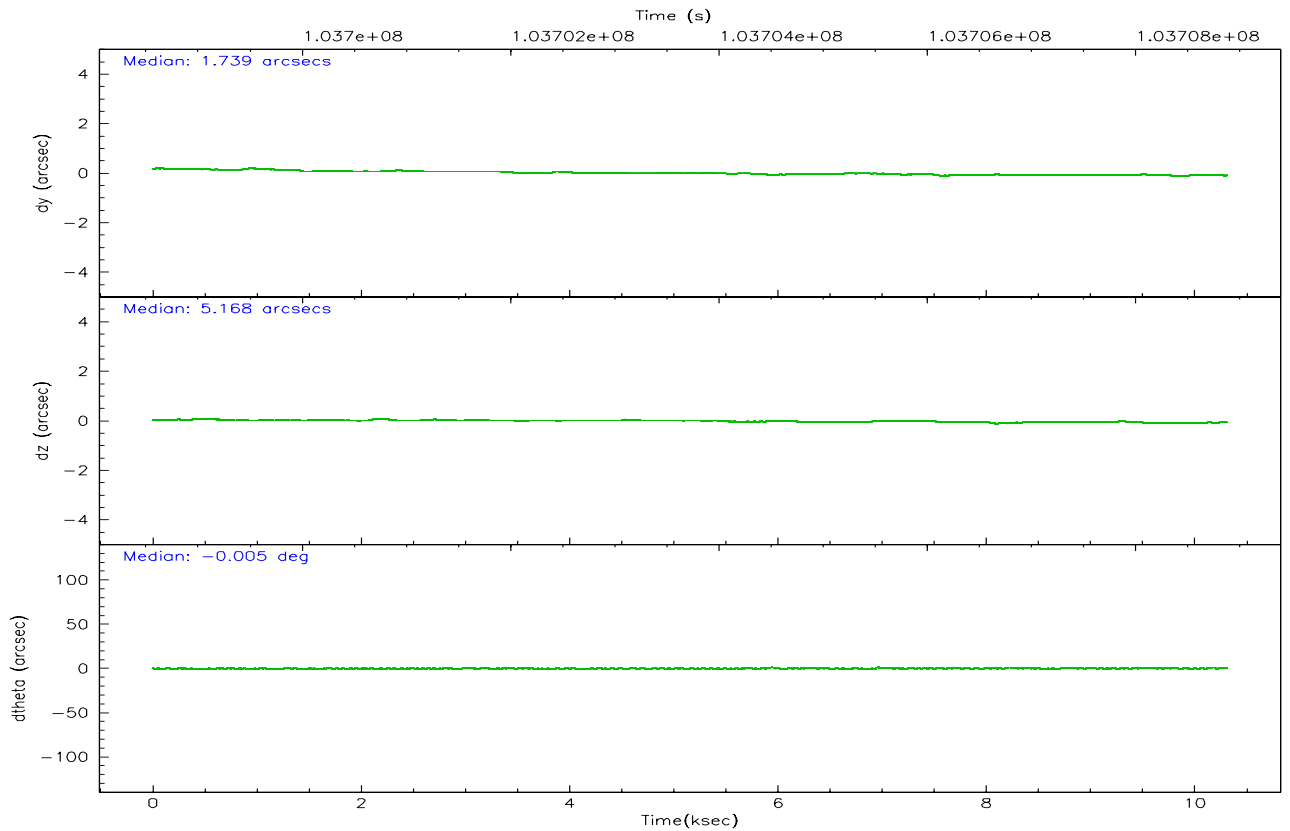
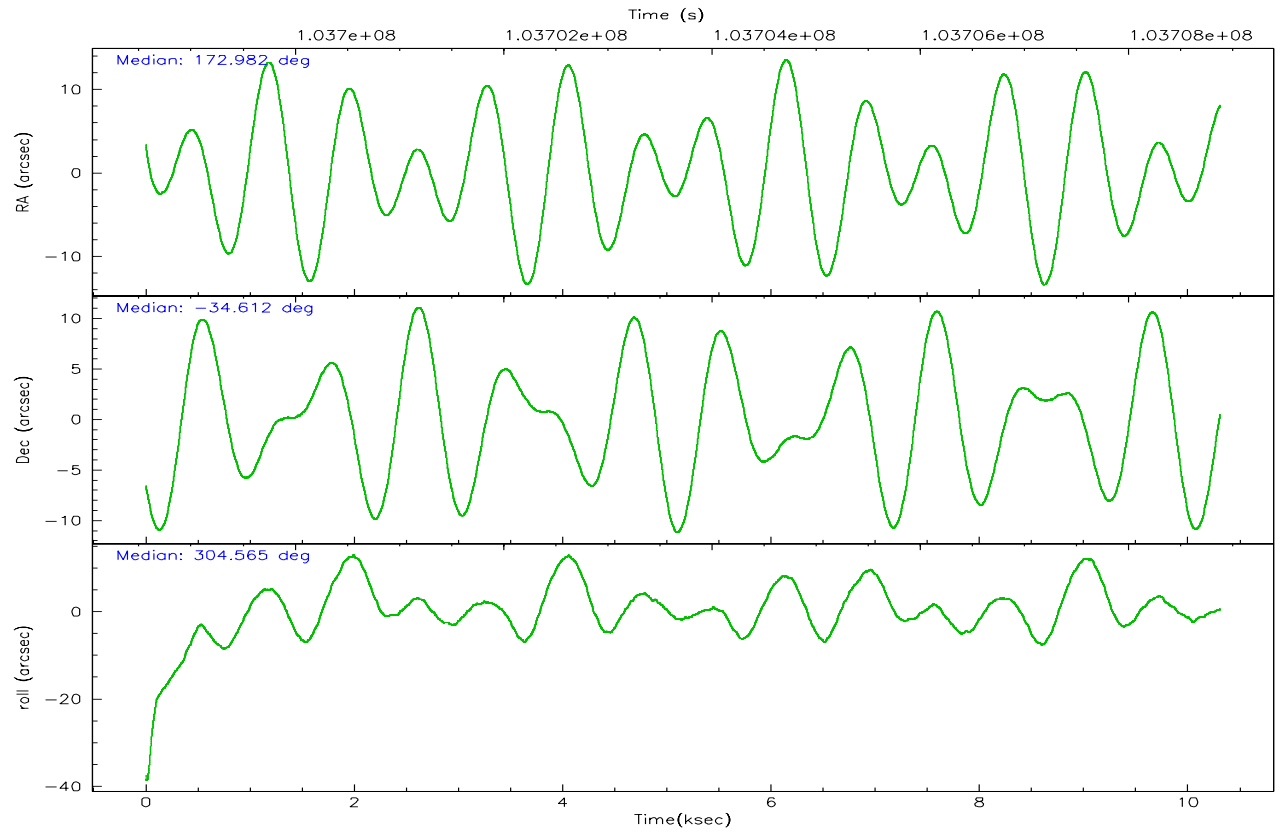
| | |
|----------------|--------------|
| | ccd 7 |
| grade 0 events | 2976 |
| | 17% |
| grade 1 events | 50 |
| | 0% |
| grade 2 events | 2711 |
| | 15% |
| grade 3 events | 1264 |
| | 7% |
| grade 4 events | 1184 |
| | 6% |
| grade 5 events | 852 |
| | 4% |
| grade 6 events | 3392 |
| | 19% |
| grade 7 events | 4923 |
| | 28% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| 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 |
| Pointing RA | 172.951863 | 172.9819715945765 | Subarray requested | 1/8 | 1/8 |
| Pointing Dec | -34.600397 | -34.61195087262961 | Subarray start row | 448 | 449 |
| Pointing Roll | 304.391126 | 304.5648385325096 | Subarray row count | 128 | 128 |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | Alternating exposures requested | N | N |
| SIM defocus (mm) | 0 | 0.001444936568705701 | Primary exposure time | 0.000000 | 0.4 |
| SIM translation stage pos (mm) | -190.132523 | -190.1400660498719 | | | |
| SIM translation stage offset (mm) | 0 | 0.00754346686406393 | | | |
| Observation start time | 103699089.184000 | 103697961.09856 | | | |
| Observation start date | 2001-04-15T05:17:05 | 2001-04-15T04:59:21 | | | |
| Observation end time | 103708878.184000 | 103709193.04899 | | | |
| Observation end date | 2001-04-15T08:00:14 | 2001-04-15T08:06:33 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



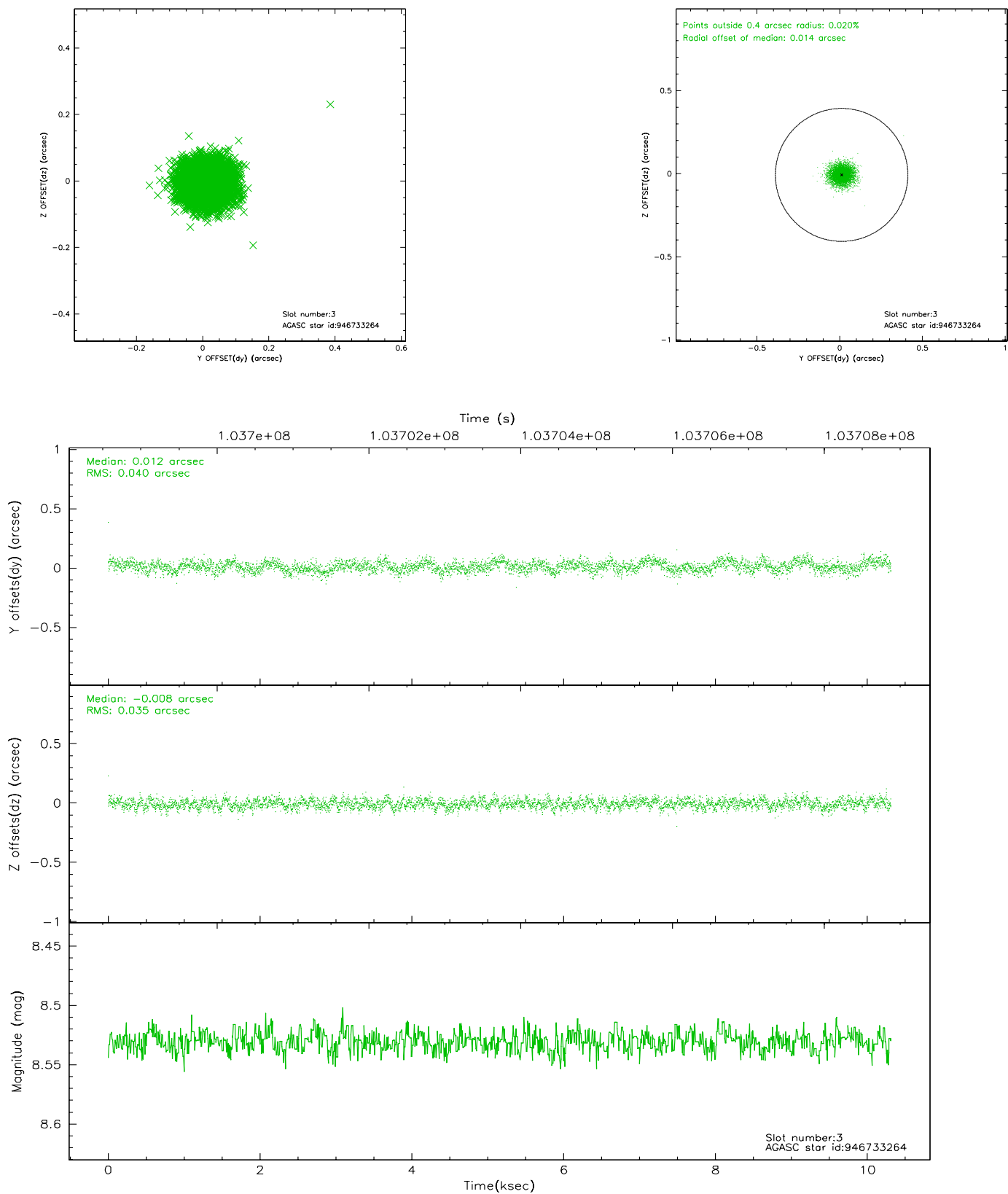


Slot Statistics

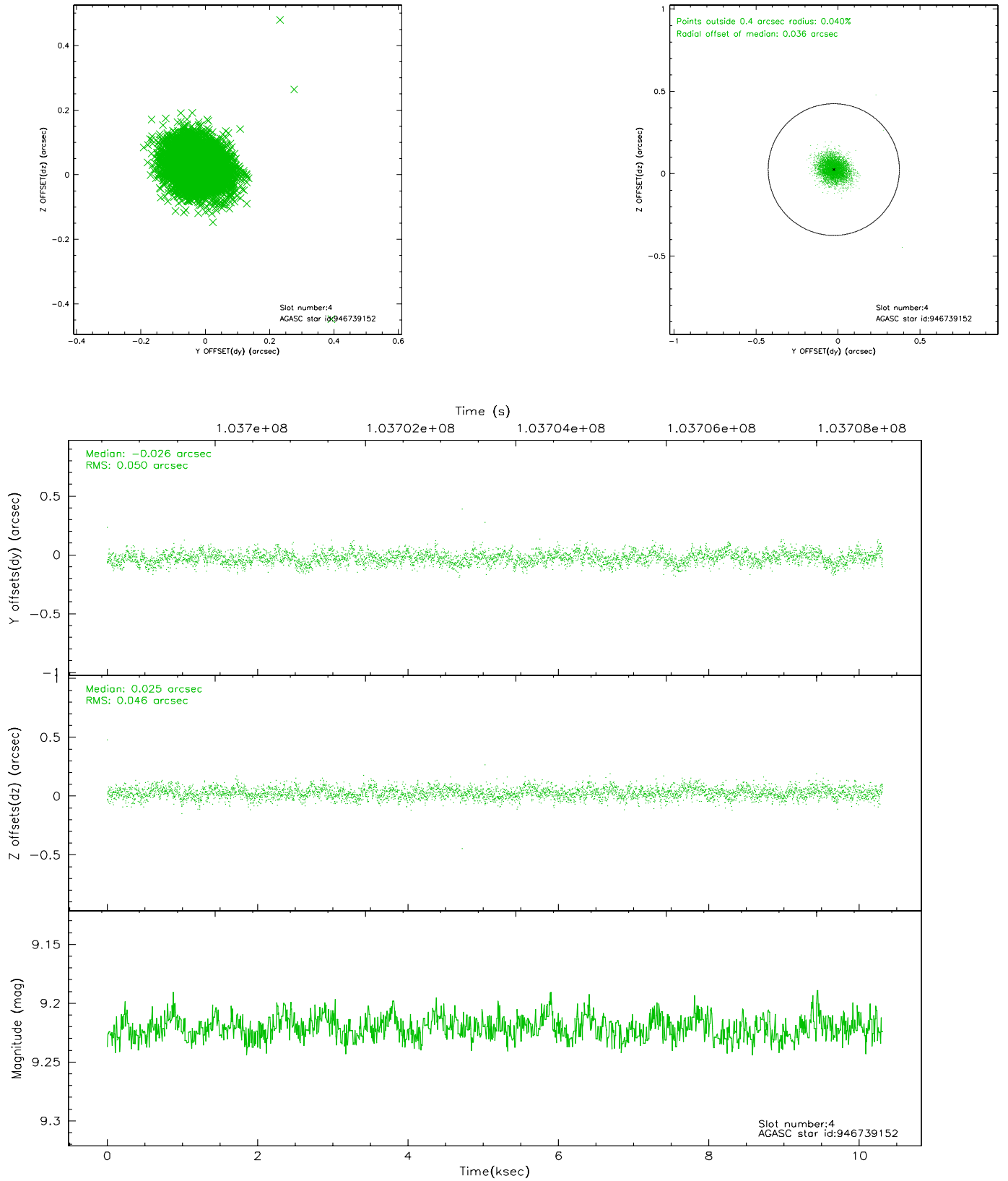
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.11 | 2515 | -0.027 | 0.022 | 0.006 | 0.010 | 0.000000 | 0.000000 | -754.35 | -1726.27 |
| 1 | FID | ACIS-S-4 | 7.20 | 2515 | -0.073 | 0.007 | 0.005 | 0.008 | 0.000000 | 0.000000 | 2158.61 | 181.73 |
| 2 | FID | ACIS-S-5 | 7.24 | 2515 | 0.070 | -0.020 | 0.006 | 0.009 | 0.000000 | 0.000000 | -1806.48 | 175.88 |
| 3 | GUIDE | 946733264 | 8.53 | 5030 | 0.012 | -0.008 | 0.056 | 0.091 | 172.535343 | -34.043045 | -2355.70 | 105.53 |
| 4 | GUIDE | 946739152 | 9.22 | 5029 | -0.026 | 0.025 | 0.072 | 0.115 | 172.853384 | -34.336959 | -948.58 | 293.04 |
| 5 | GUIDE | 946872536 | 8.27 | 5030 | -0.057 | 0.051 | 0.071 | 0.111 | 173.344687 | -34.501144 | 364.78 | 1161.30 |
| 6 | GUIDE | 946866816 | 9.04 | 5030 | 0.002 | 0.036 | 0.074 | 0.118 | 174.006679 | -34.725313 | 2147.32 | 2311.49 |
| 7 | GUIDE | 946865200 | 9.18 | 5029 | 0.068 | -0.107 | 0.069 | 0.113 | 173.280927 | -34.847190 | 1283.86 | 298.83 |

2.4 Star Slots

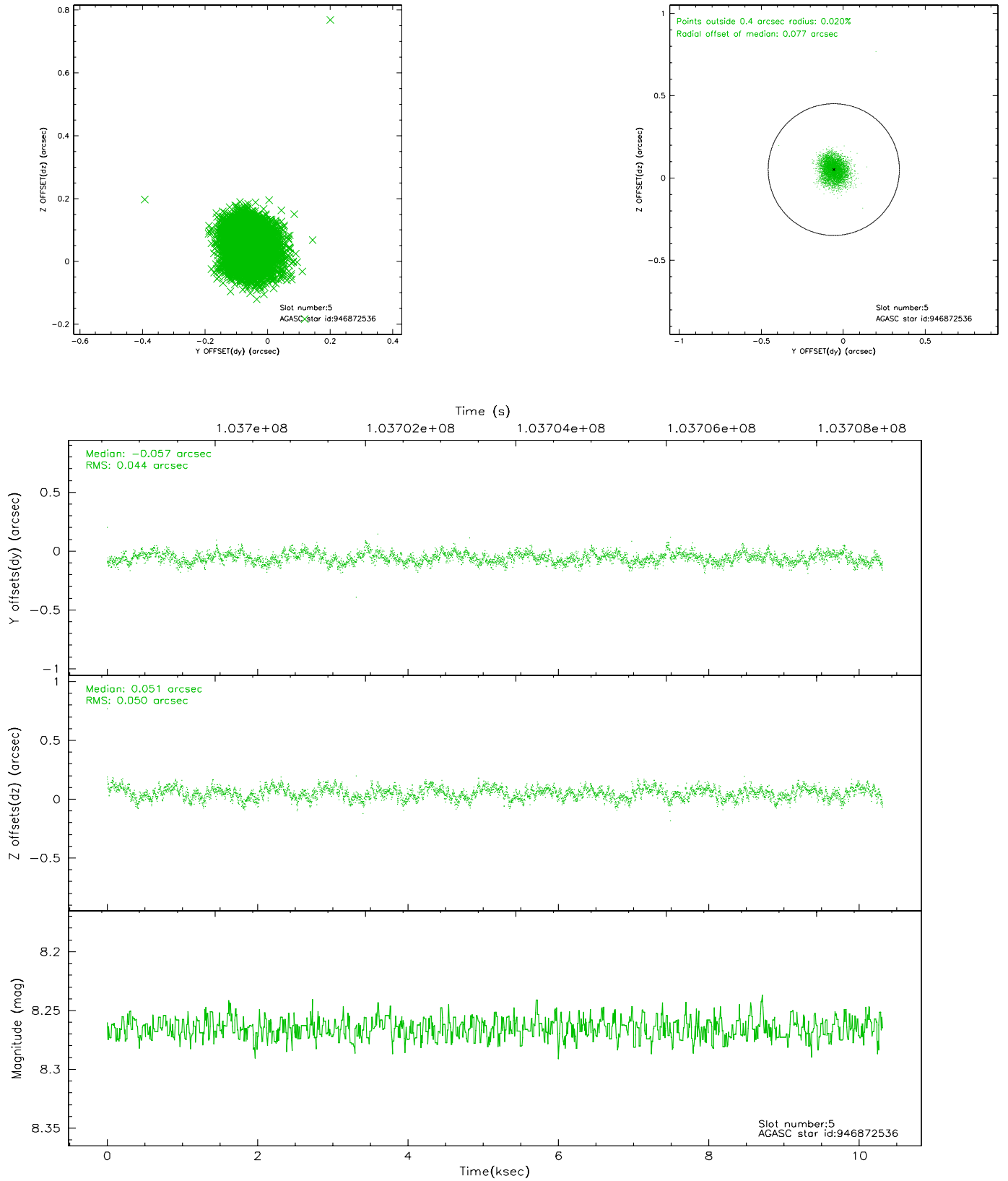
2.4.1 Slot 3



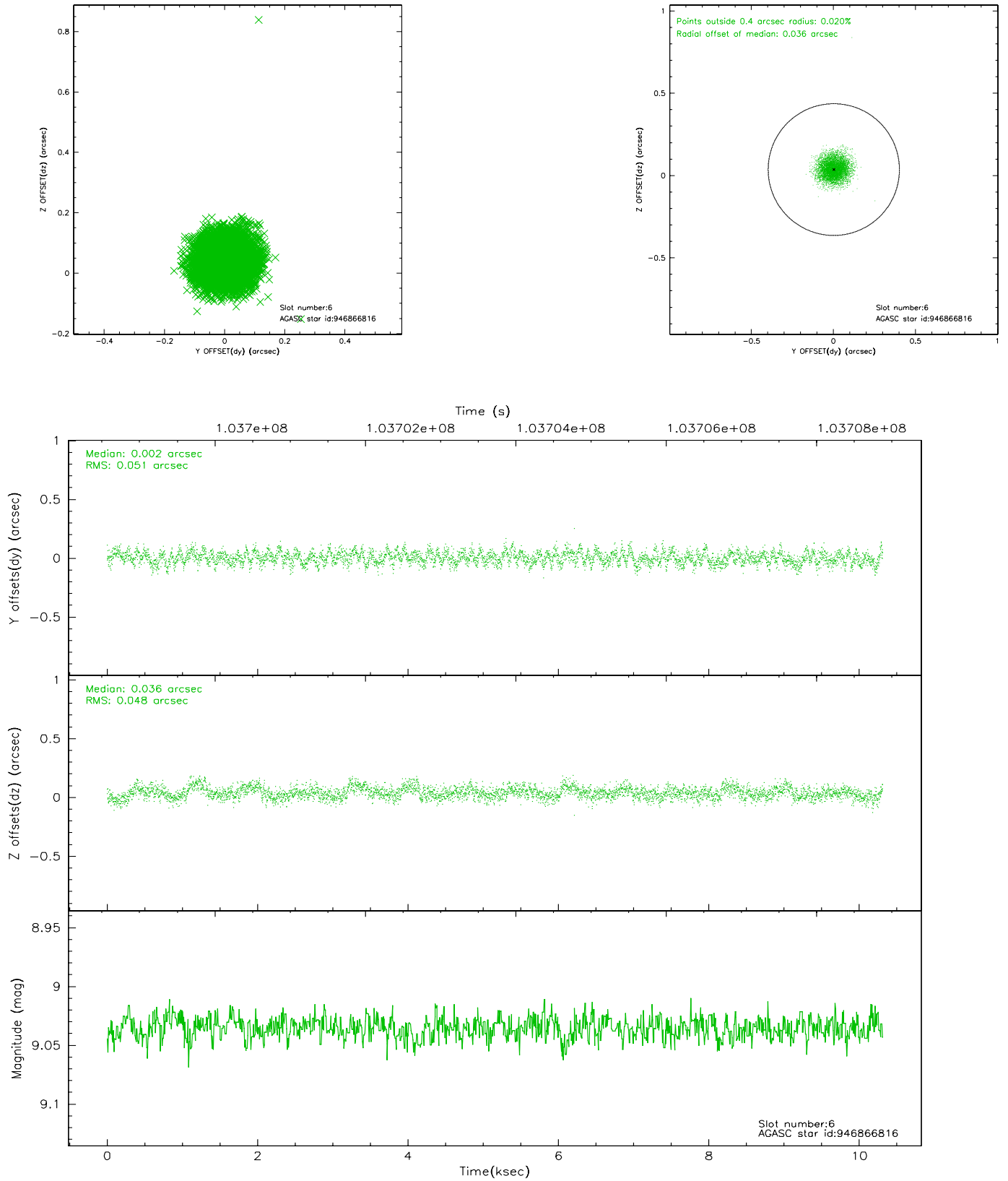
2.4.2 Slot 4



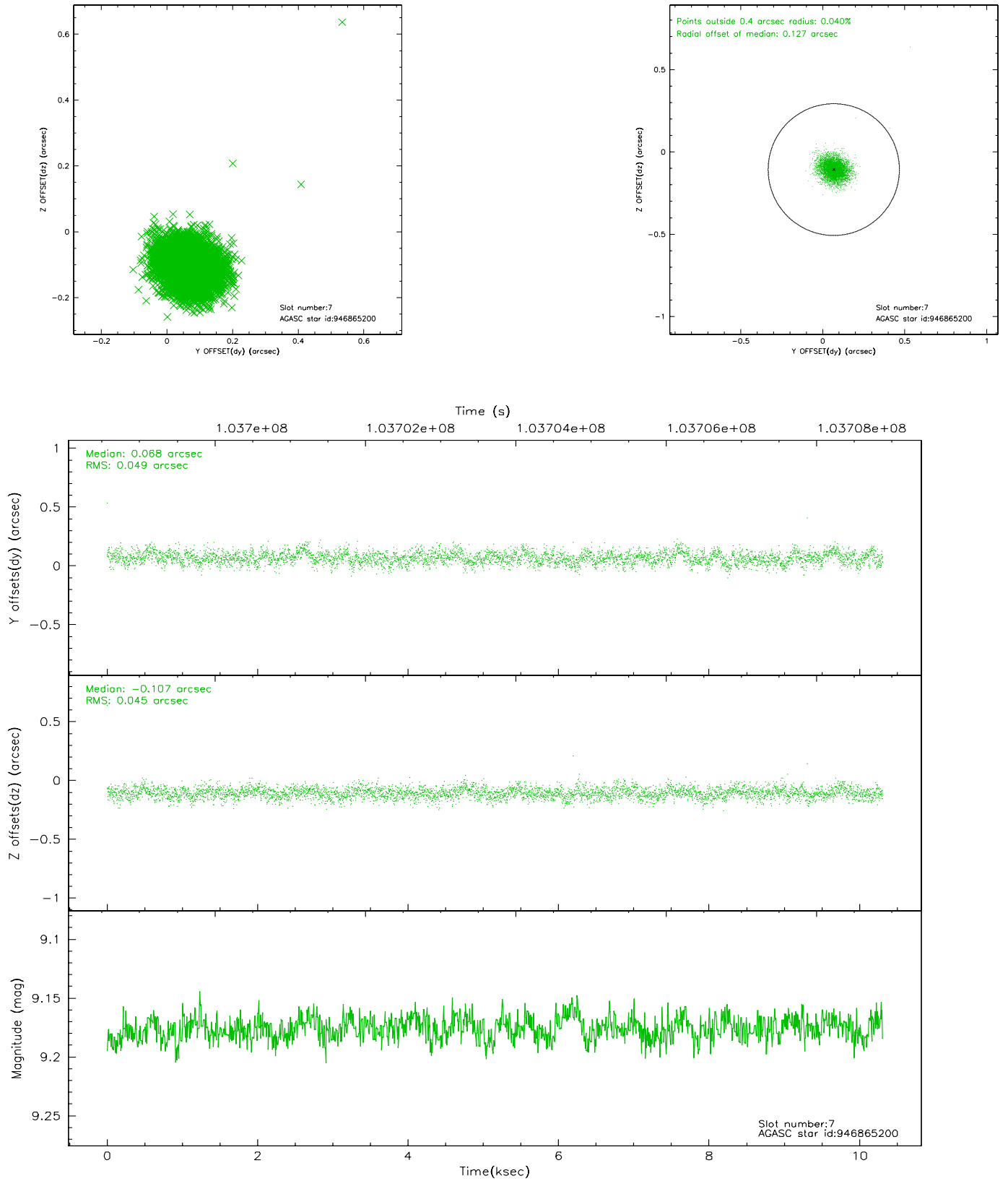
2.4.3 Slot 5



2.4.4 Slot 6

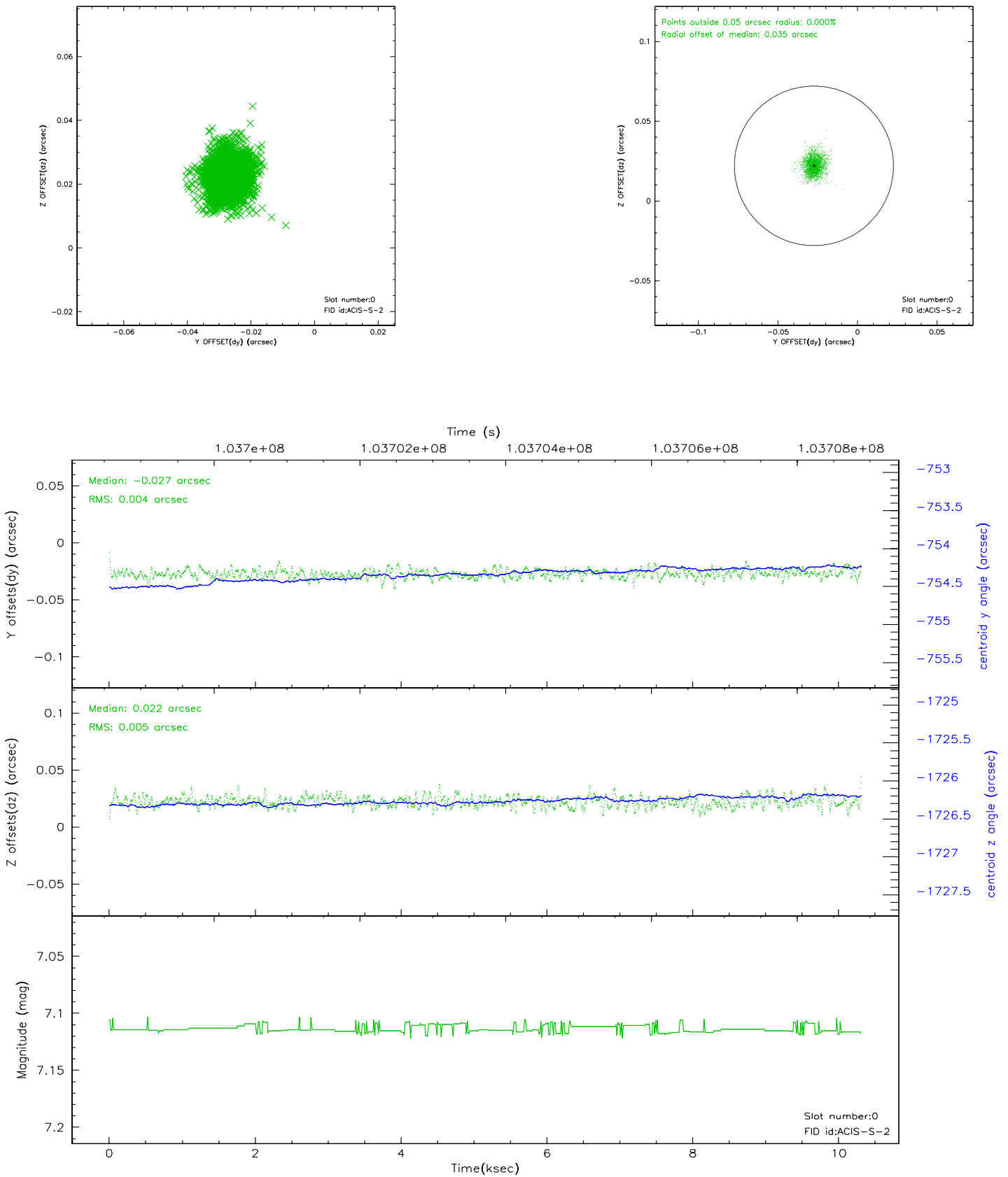


2.4.5 Slot 7

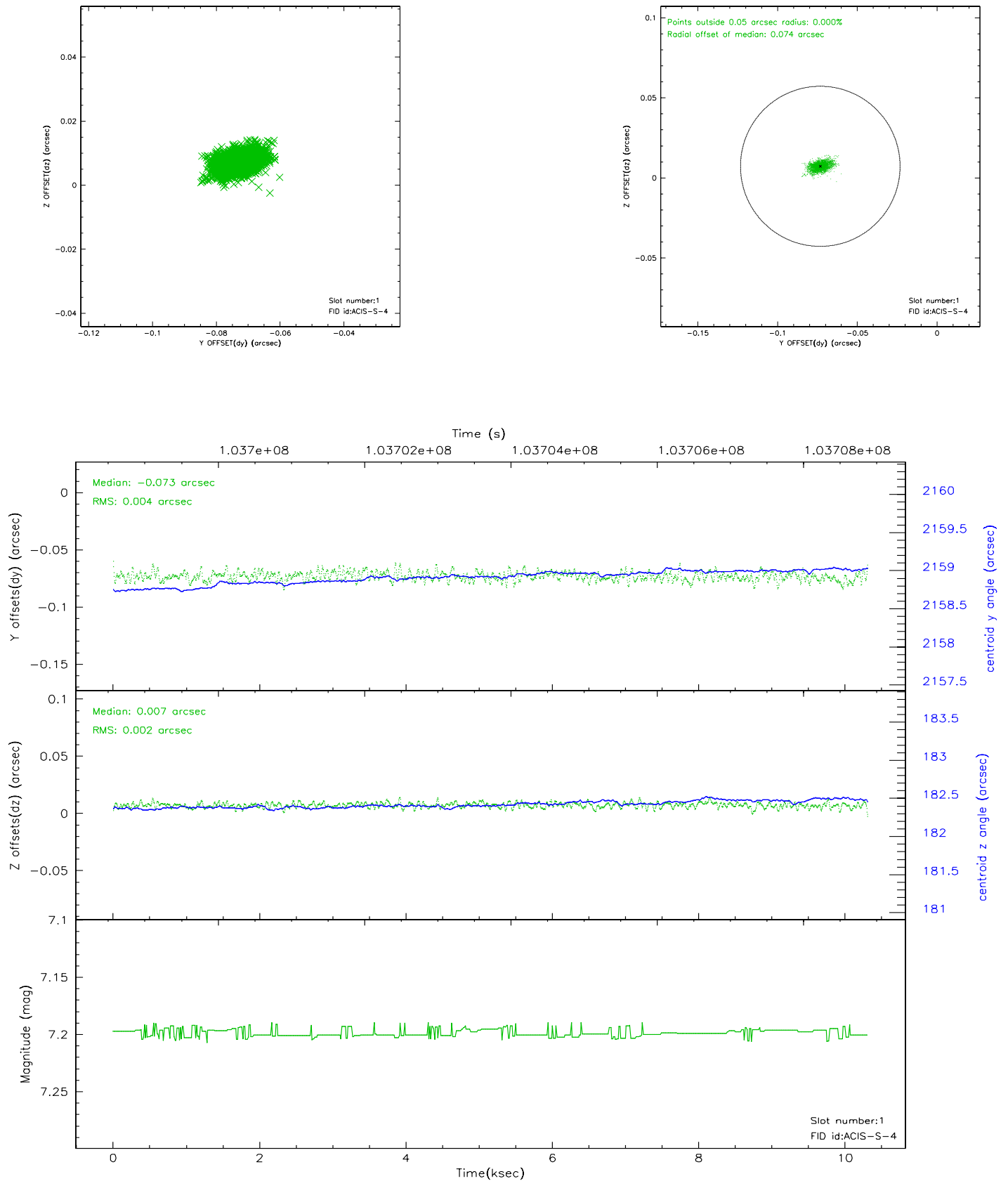


2.5 FID Slots

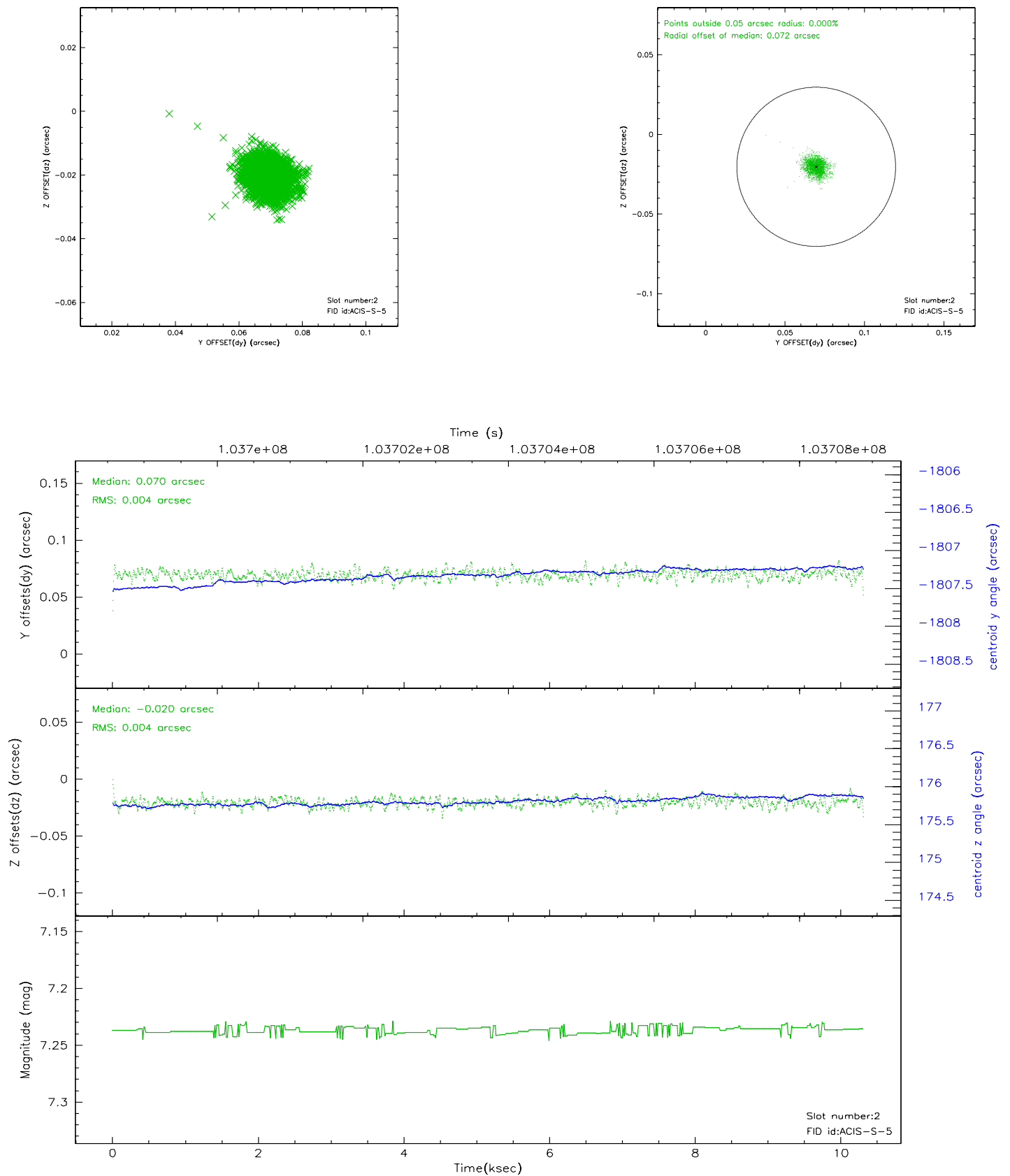
2.5.1 Slot 0



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) | 2006.11.14 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 10.308 |

A.2 Comments