

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1957 - L2 Version 001
Chandra X-Ray Center

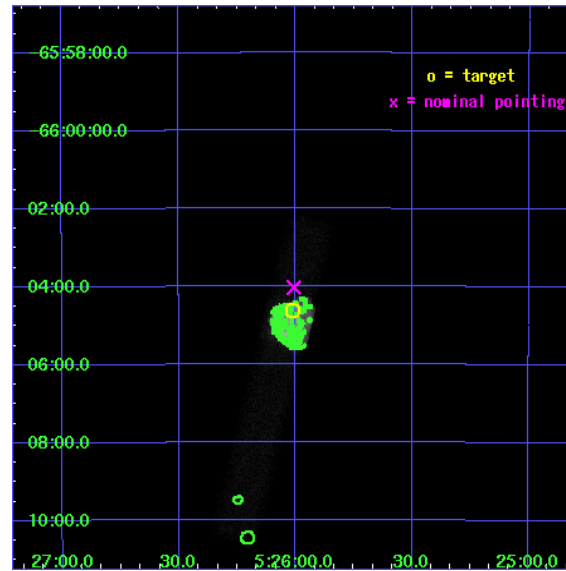
L2 Processing Date : Dec 21 2006

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1 Front

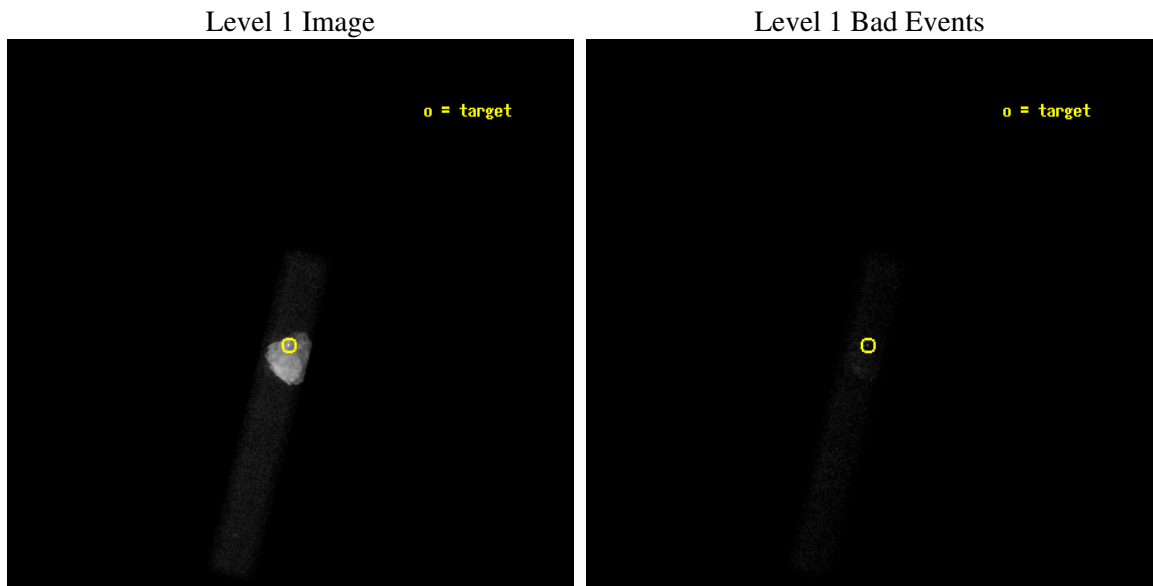
| | |
|----------|---------------------------------------|
| seq_num | 500134 |
| obs_id | 1957 |
| title | THE X-RAY COUNTERPART OF 5 MARCH 1979 |
| observer | Prof. Shrinivas Kulkarni |
| object | SGR 0526-66 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 81.503333 |
| dec_targ | -66.076806 |
| ra_nom | 81.501818690422 |
| dec_nom | -66.067070909675 |
| roll_nom | 103.88525928955 |
| revision | 2 |
| ontime | 53418.677705958 |
| livetime | 48447.921010302 |
| ontime7 | 53418.677705958 |
| l2events | 361889 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.9 |
| caldbver | 3.2.4 |
| date | 2006-12-22T02:12:34 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 53234.000000 |
| ontime | 54227.389482871 |
| ontime7 | 54227.389482871 |
| l1events | 399068 |

2.1.4 Events

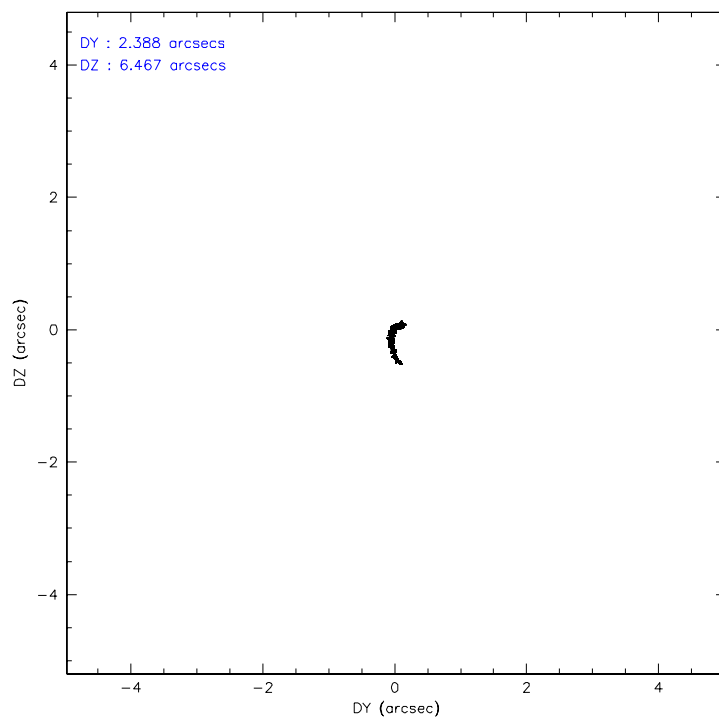
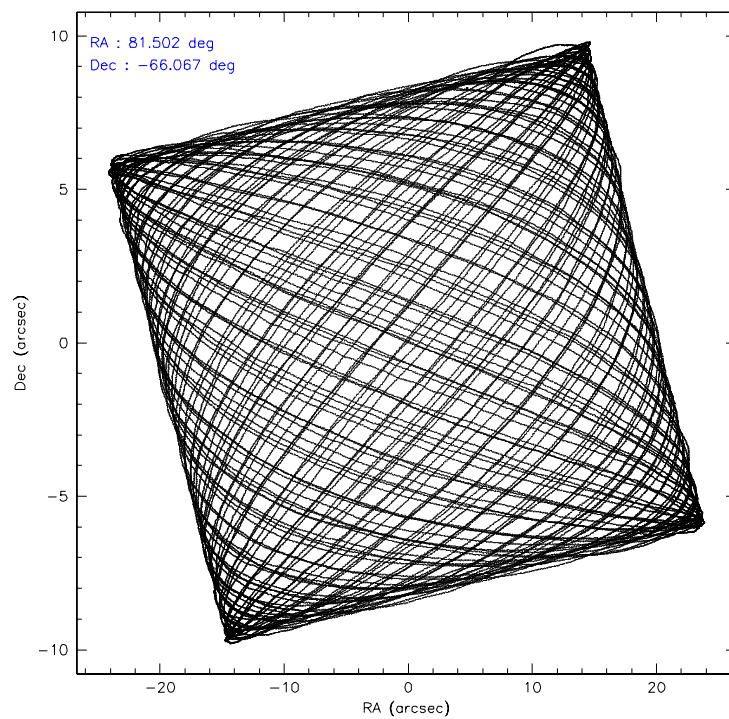
| | |
|-----------------|--------------|
| | ccd 7 |
| level 1 events | 399068 |
| rejected events | 35248 |
| rejected % | 8% |

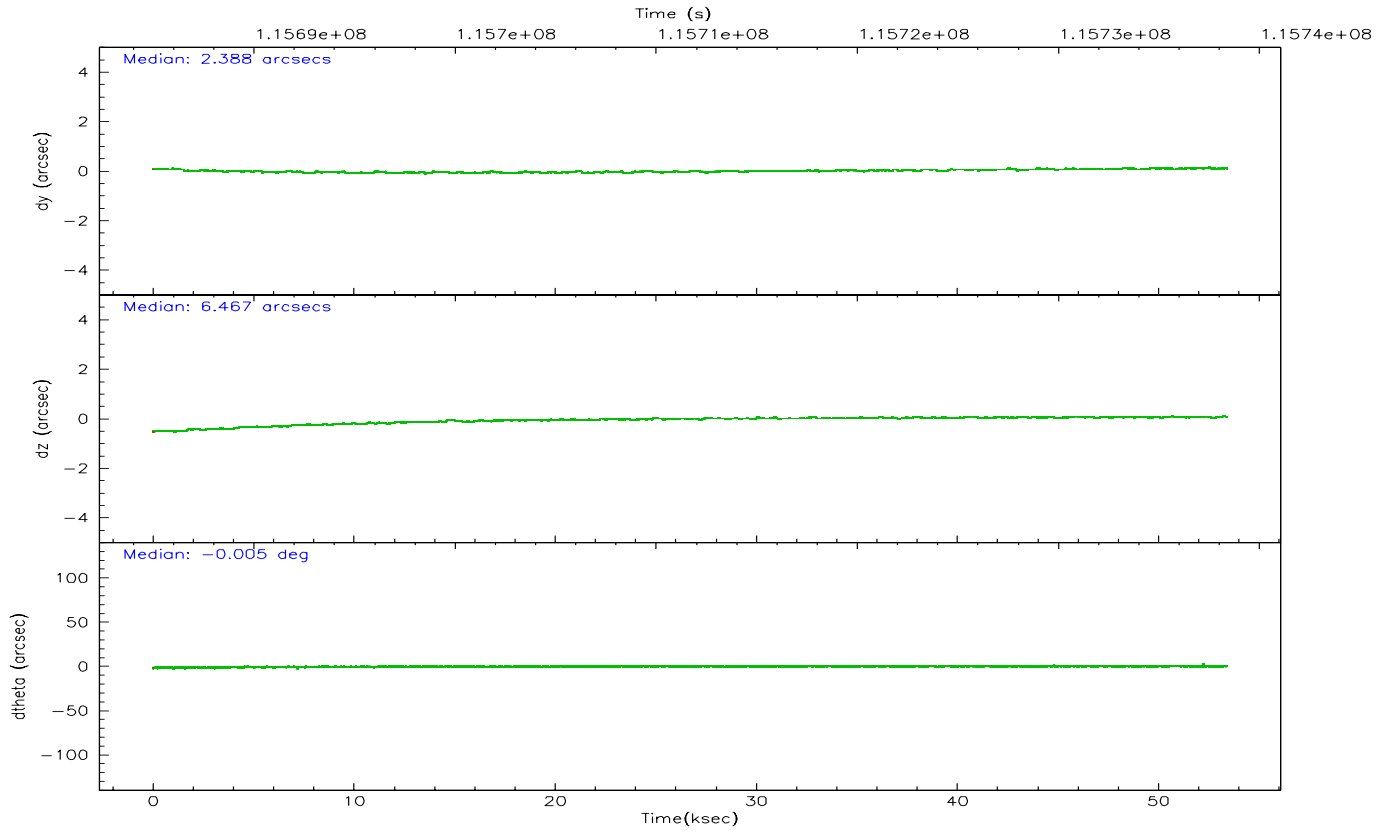
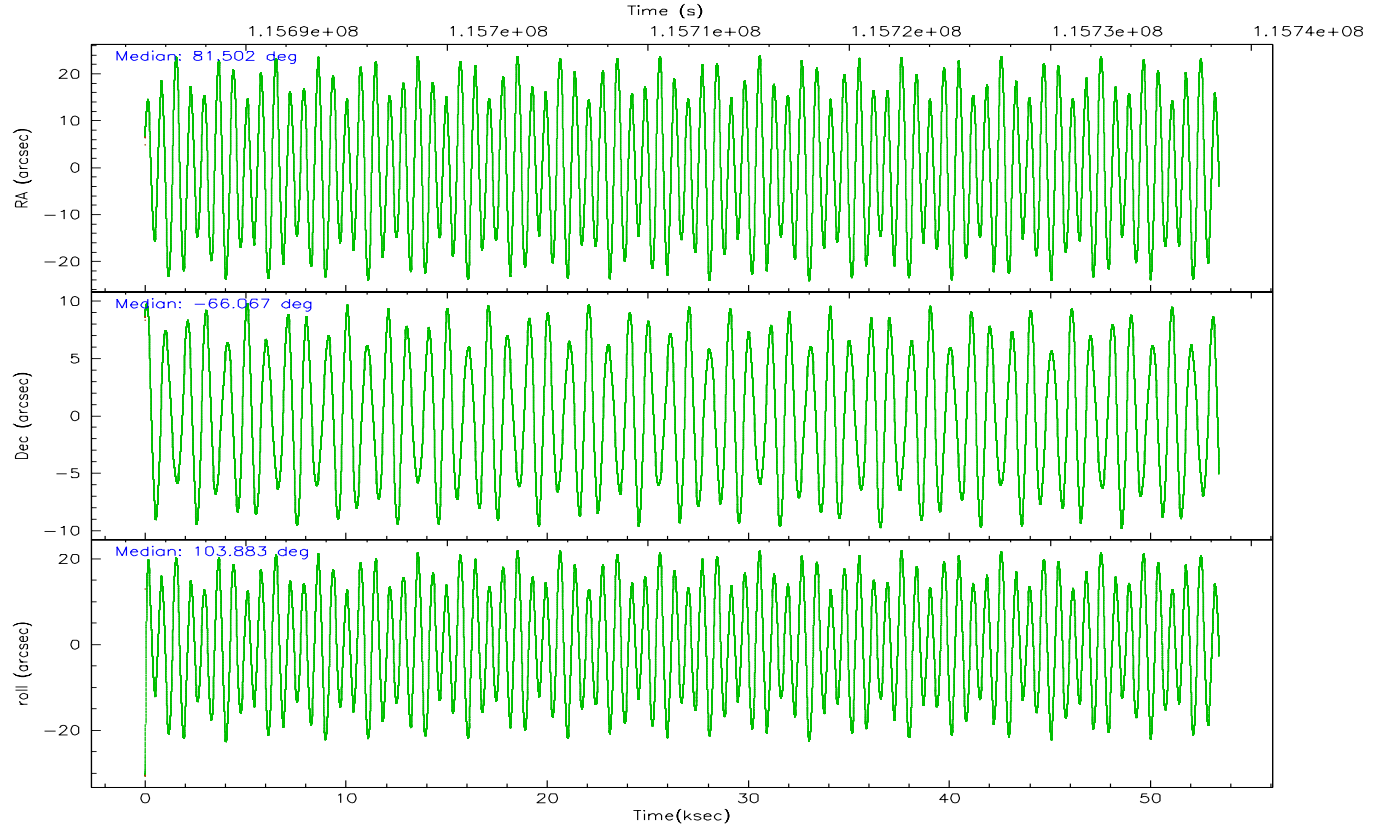
| | |
|----------------|--------------|
| | ccd 7 |
| grade 0 events | 118546 |
| | 29% |
| grade 1 events | 172 |
| | 0% |
| grade 2 events | 97461 |
| | 24% |
| grade 3 events | 44400 |
| | 11% |
| grade 4 events | 42378 |
| | 10% |
| grade 5 events | 6053 |
| | 1% |
| grade 6 events | 62055 |
| | 15% |
| grade 7 events | 28003 |
| | 7% |

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 | FAINT | FAINT | Number of optional ACIS chips dropped | 0 | 0 |
| Observation mode | POINTING | POINTING | On-chip summing requested | N | N |
| Pointing RA | 81.548976 | 81.50181869042197 | Subarray requested | 1/8 | 1/8 |
| Pointing Dec | -66.086522 | -66.06707090967474 | Subarray start row | 0 | 449 |
| Pointing Roll | 103.771744 | 103.8852592895505 | Subarray row count | 1024 | 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 | -190.1425803651734 | | | |
| SIM translation stage offset (mm) | 0 | 0.01005778216563158 | | | |
| Observation start time | 115685161.184000 | 115684126.55443 | | | |
| Observation start date | 2001-08-31T22:44:57 | 2001-08-31T22:28:46 | | | |
| Observation end time | 115738395.184000 | 115738528.94408 | | | |
| Observation end date | 2001-09-01T13:32:11 | 2001-09-01T13:35:28 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



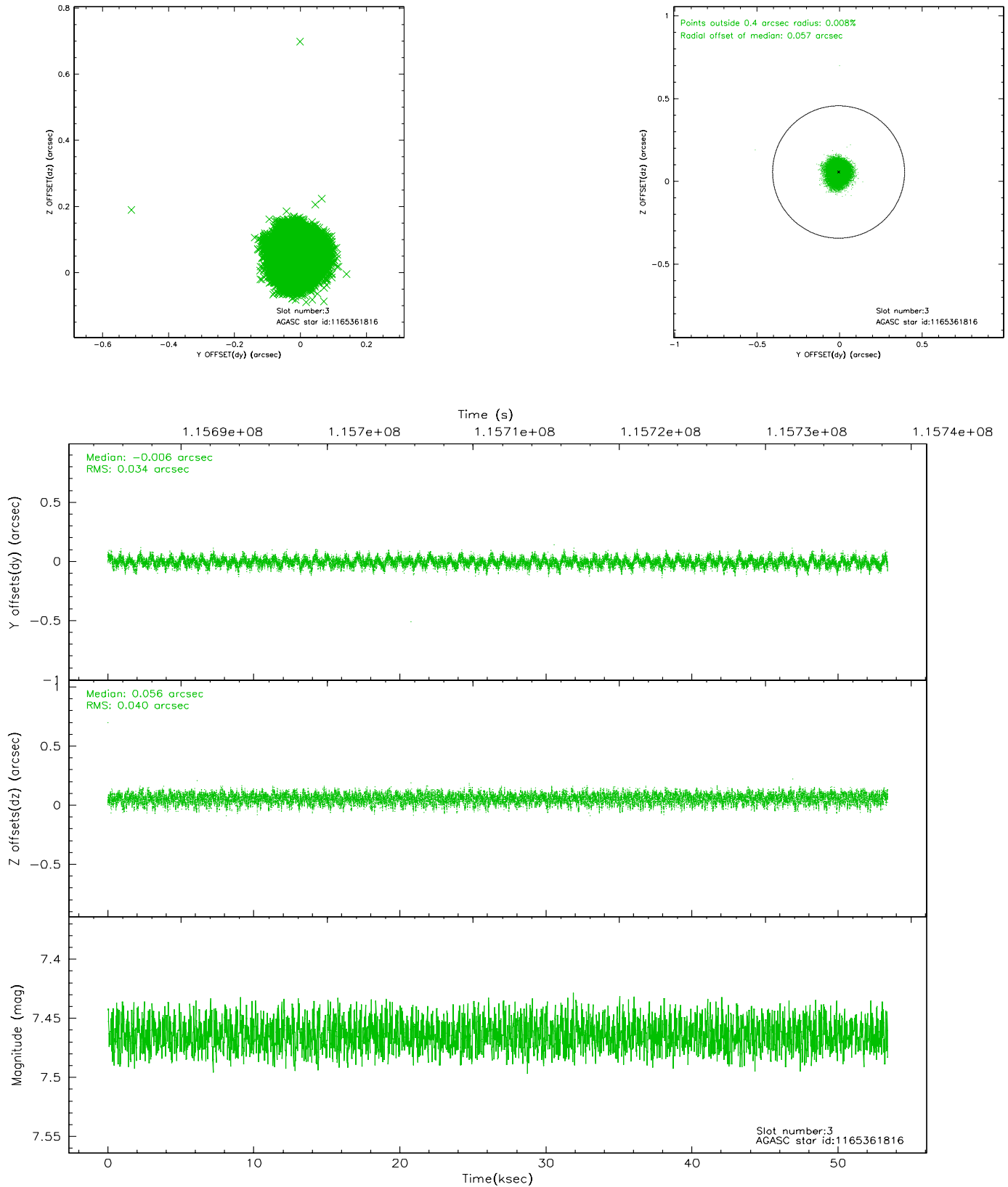


Slot Statistics

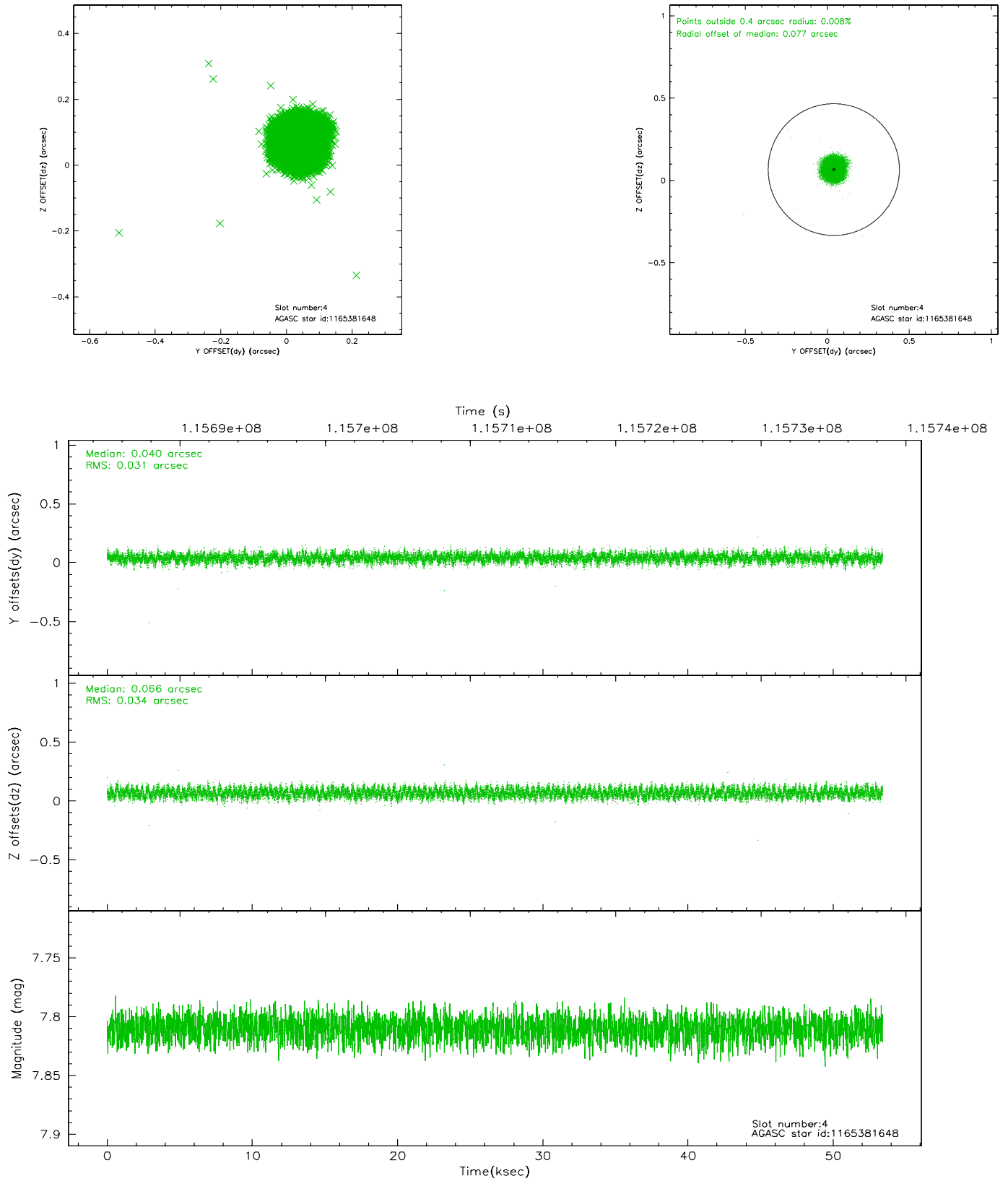
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|------|-------|--------|--------|-------|-------|-----------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.11 | 13030 | -0.023 | 0.023 | 0.008 | 0.012 | 0.000000 | 0.000000 | -755.01 | -1727.49 |
| 1 | FID | ACIS-S-4 | 7.20 | 13029 | -0.068 | 0.005 | 0.006 | 0.011 | 0.000000 | 0.000000 | 2158.19 | 181.06 |
| 2 | FID | ACIS-S-5 | 7.24 | 13030 | 0.060 | -0.019 | 0.007 | 0.011 | 0.000000 | 0.000000 | -1807.84 | 174.60 |
| 3 | GUIDE | 1165361816 | 7.46 | 26057 | -0.006 | 0.056 | 0.056 | 0.089 | 81.473501 | -65.742228 | 1230.11 | -185.86 |
| 4 | GUIDE | 1165381648 | 7.81 | 26057 | 0.040 | 0.066 | 0.049 | 0.078 | 82.276989 | -66.687009 | -2352.48 | -490.72 |
| 5 | GUIDE | 1165236048 | 7.72 | 26056 | -0.040 | -0.137 | 0.069 | 0.112 | 80.001541 | -66.057801 | 611.11 | 2178.08 |
| 6 | GUIDE | 1165382424 | 8.38 | 26053 | 0.002 | -0.011 | 0.078 | 0.122 | 82.355152 | -66.439036 | -1516.13 | -822.17 |
| 7 | GUIDE | 1165237552 | 9.66 | 25982 | 0.007 | 0.030 | 0.097 | 0.155 | 80.257142 | -65.800667 | 1433.92 | 1611.85 |

2.4 Star Slots

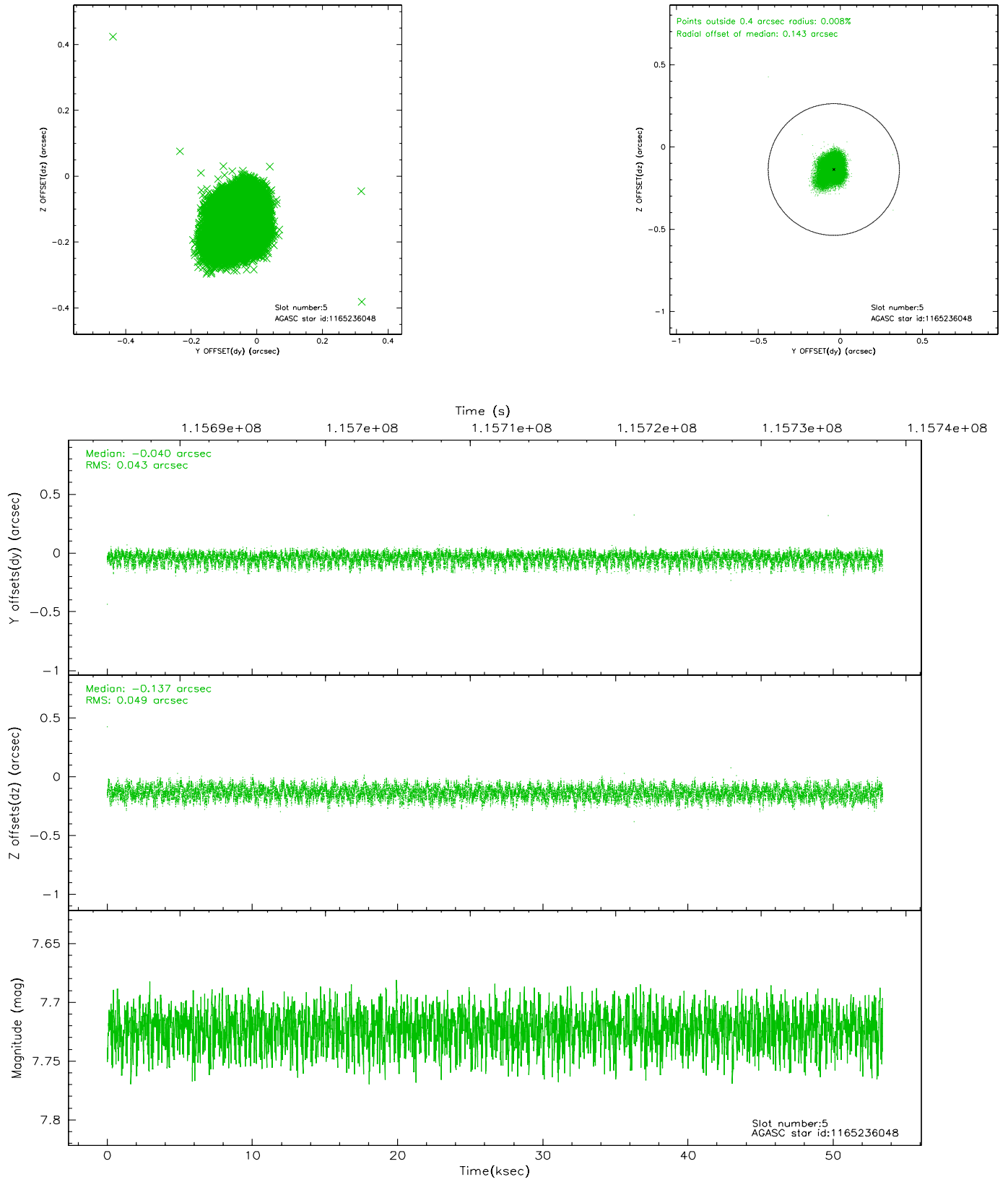
2.4.1 Slot 3



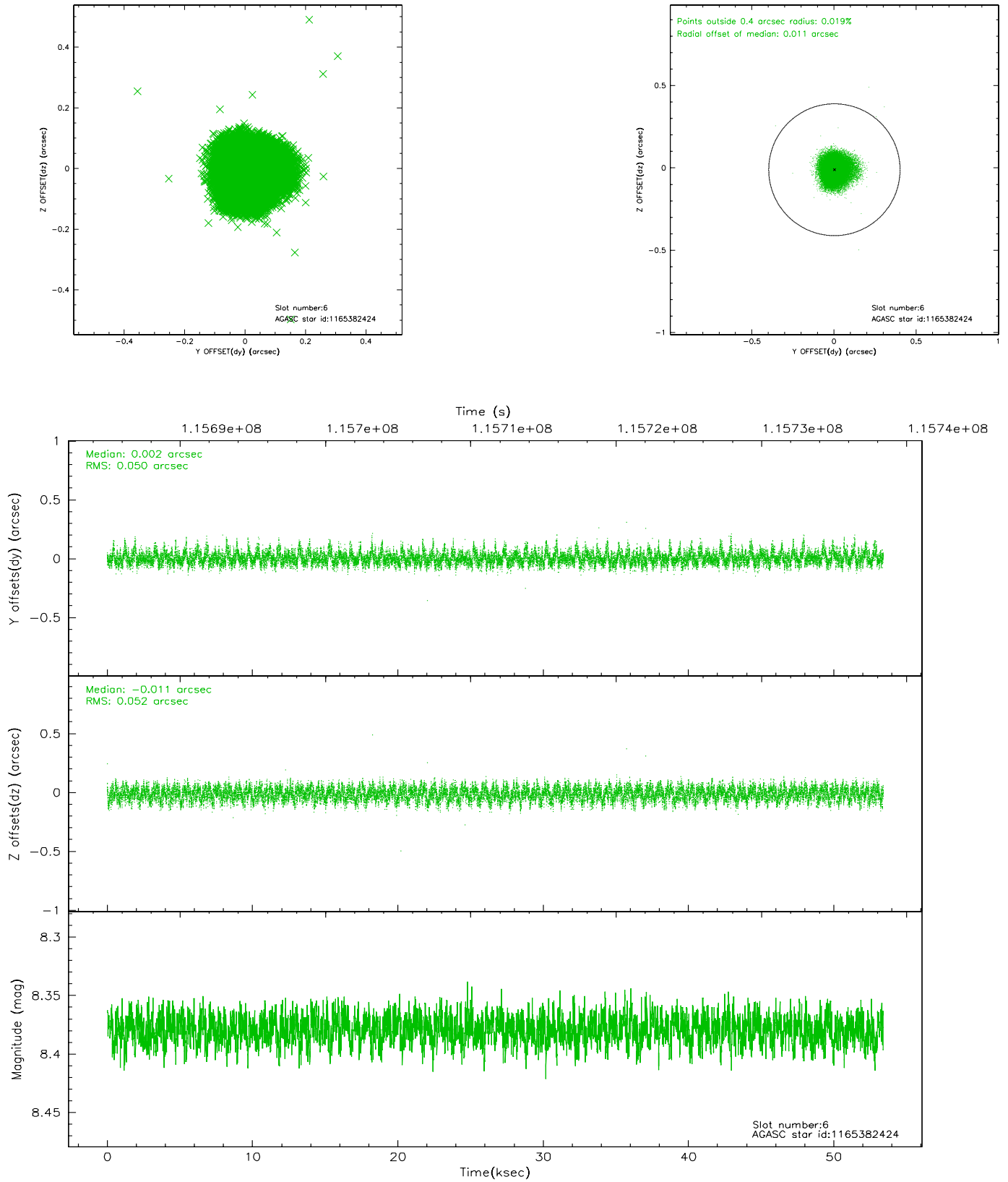
2.4.2 Slot 4



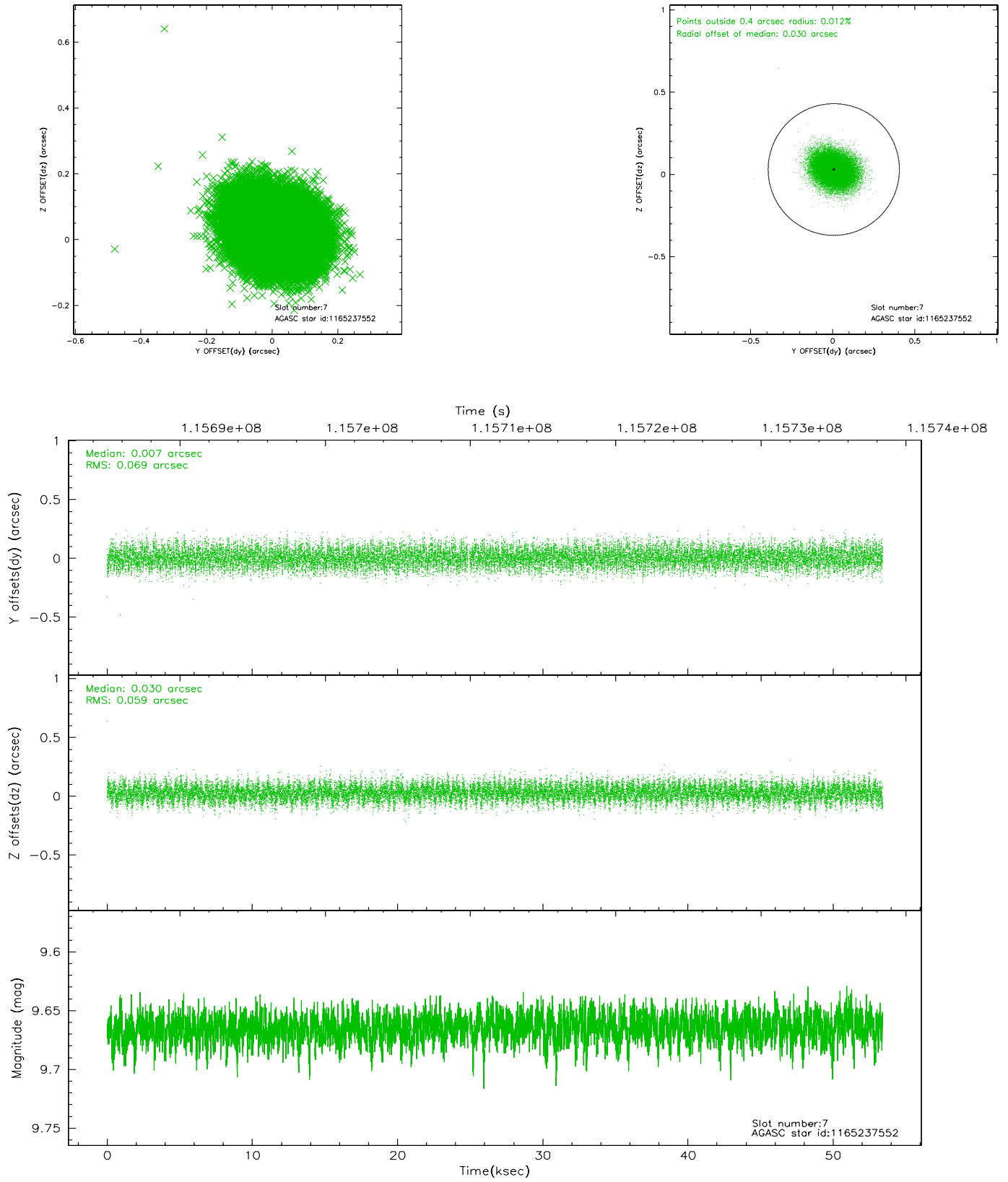
2.4.3 Slot 5



2.4.4 Slot 6

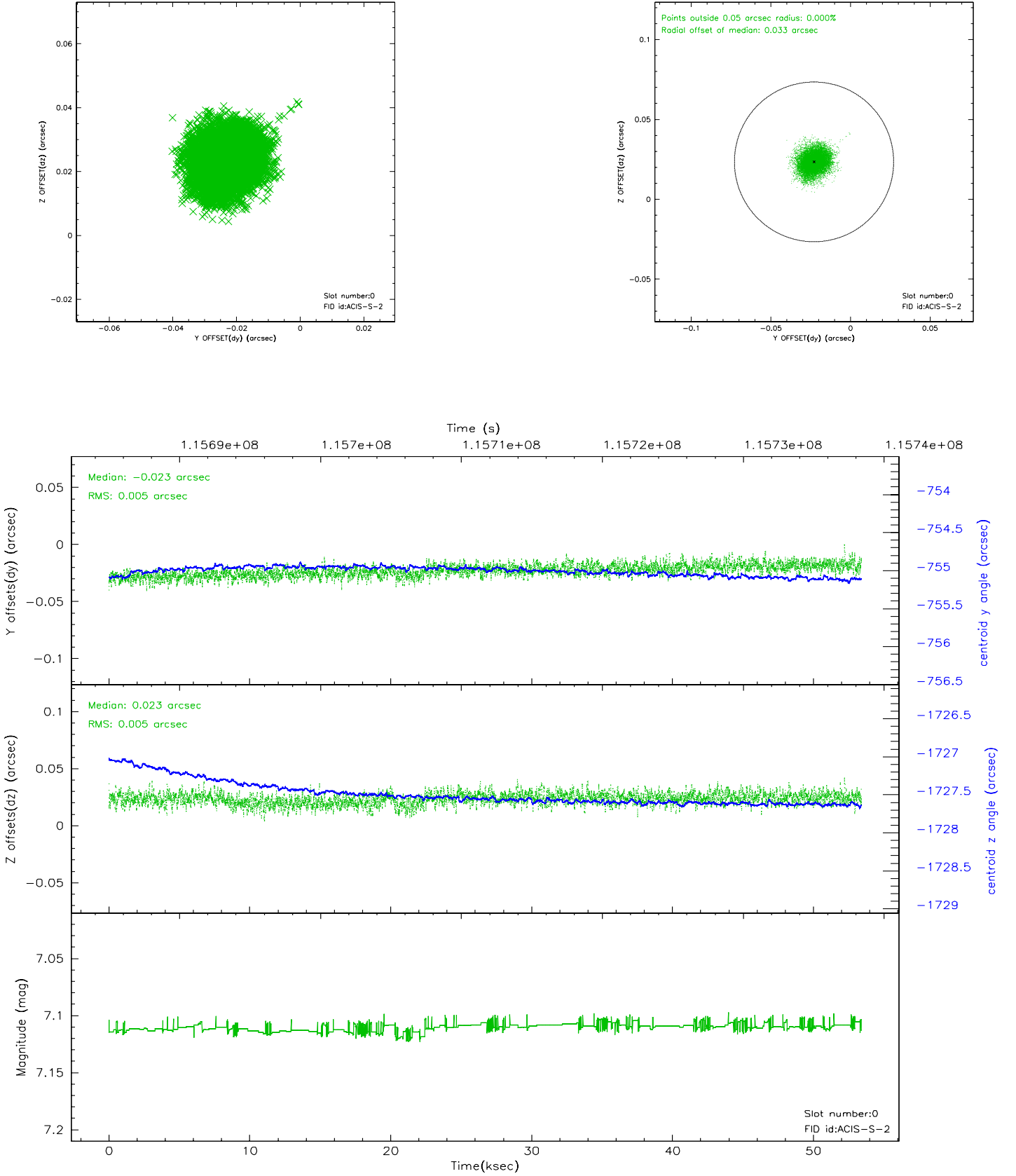


2.4.5 Slot 7

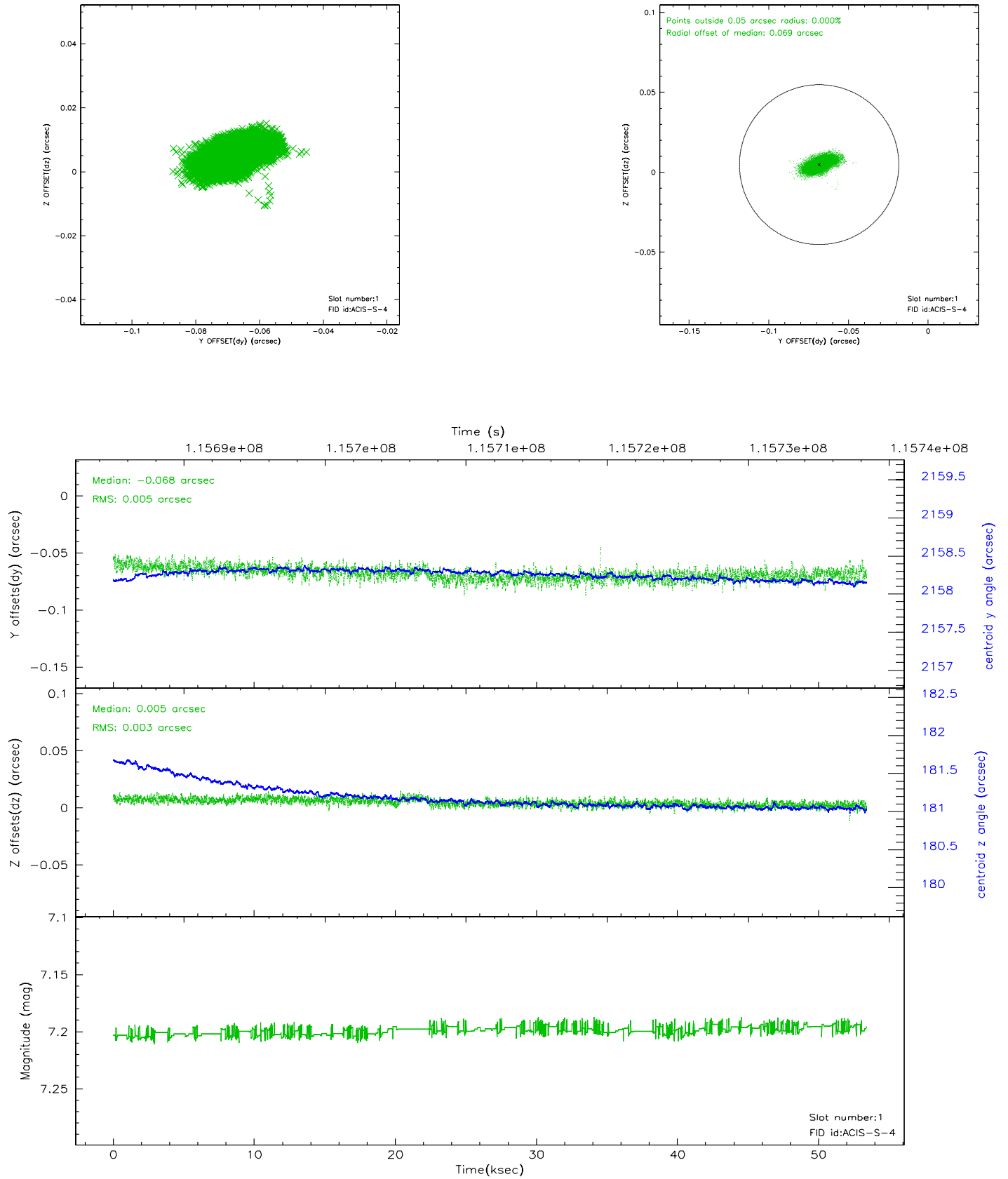


2.5 FID Slots

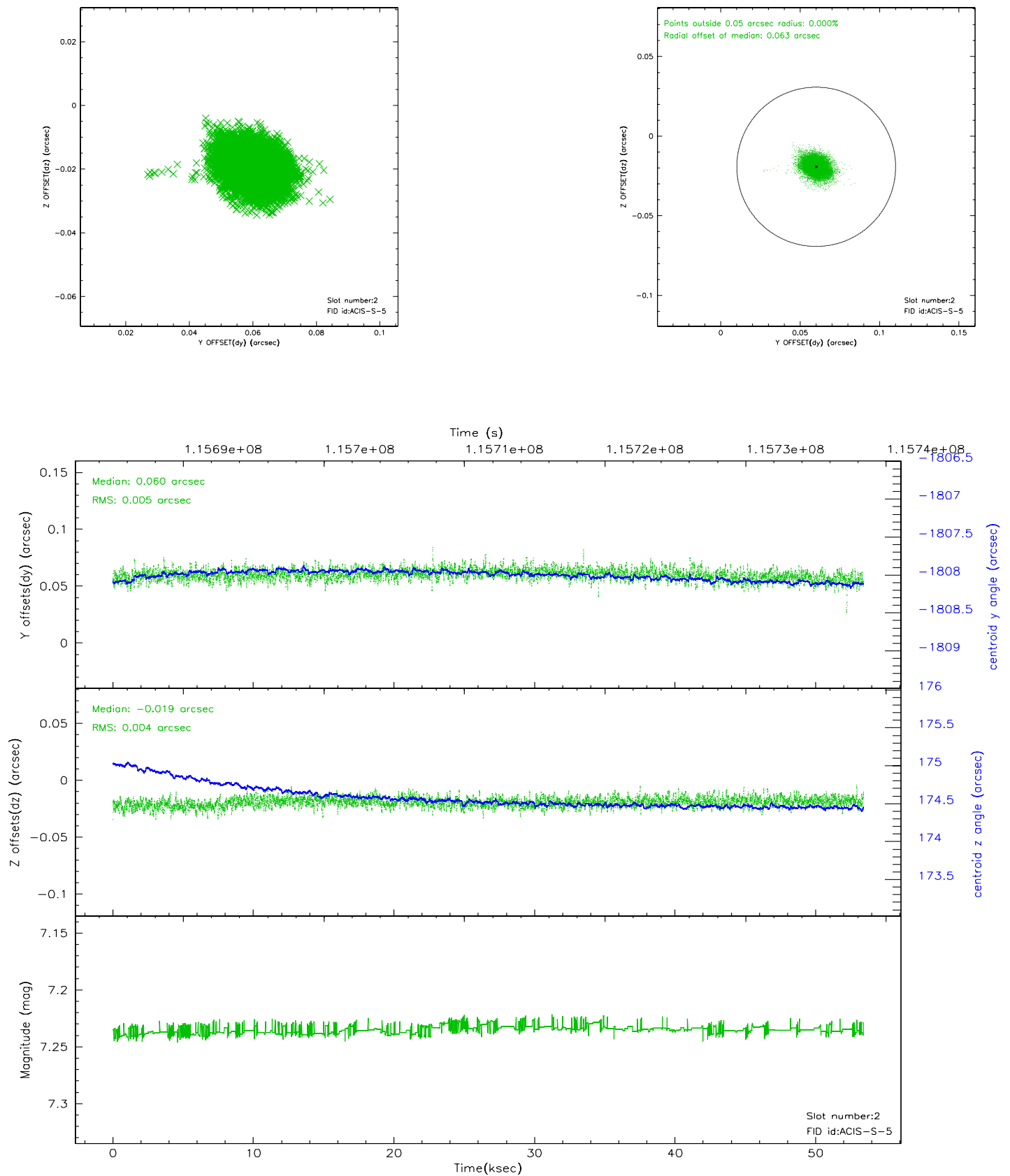
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

5.64 arcmin



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.12.22 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 53.418 |

A.2 Comments