

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4617 - L2 Version 001
Chandra X-Ray Center

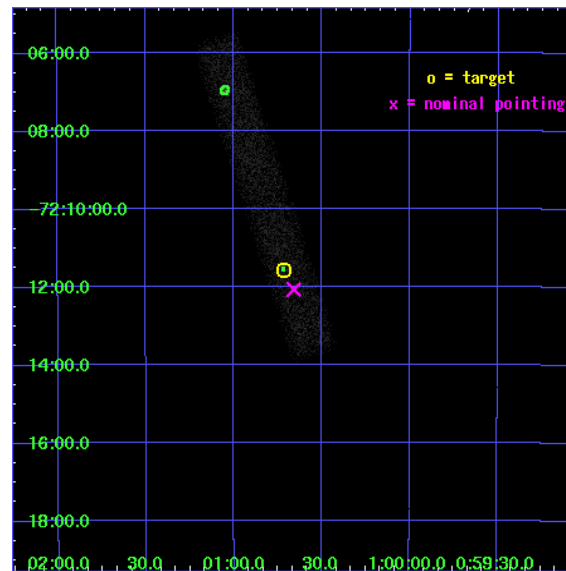
L2 Processing Date : Jun 4 2006

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1 Front

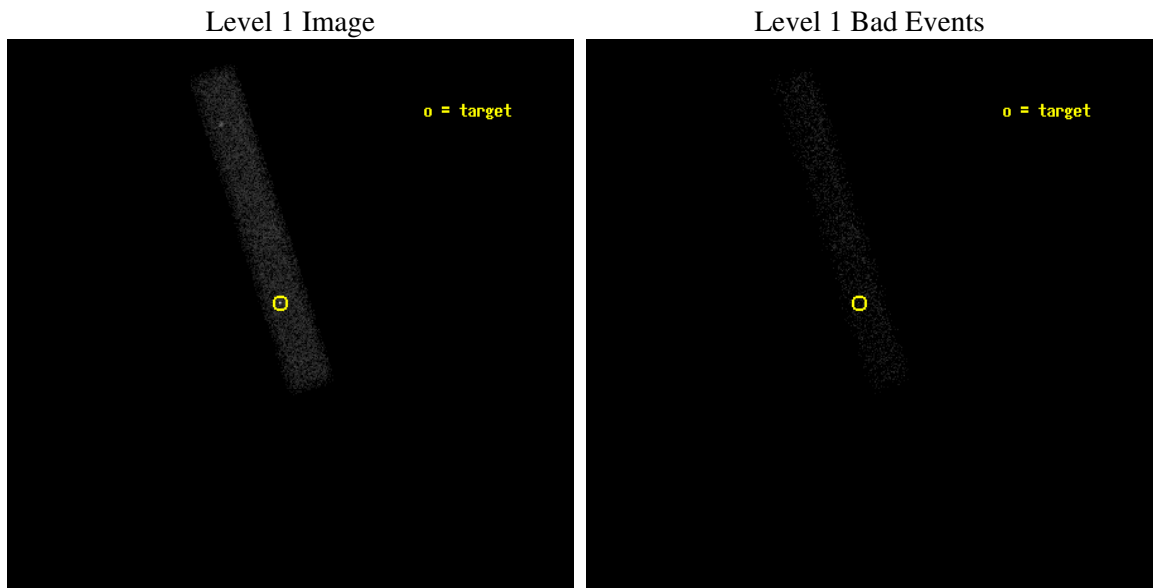
| | |
|----------|---|
| seq_num | 500442 |
| obs_id | 4617 |
| title | PRECISION TIMING OF A POSSIBLE NEW ANOMALOUS X-RAY PULSAR |
| observer | Prof. Bryan Gaensler |
| object | CXOU J010043.1-721134 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 15.179583 |
| dec_targ | -72.192722 |
| ra_nom | 15.164759532495 |
| dec_nom | -72.201232464097 |
| roll_nom | 252.031919943 |
| revision | 2 |
| ontime | 16839.60025093 |
| livetime | 15272.628560611 |
| ontime7 | 16839.60025093 |
| l2events | 9266 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7.2 |
| caldbver | 3.2.2 |
| date | 2006-06-04T02:41:19 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 16670.230000 |
| ontime | 17802.801737547 |
| ontime7 | 17802.801737547 |
| l1events | 20564 |

2.1.4 Events

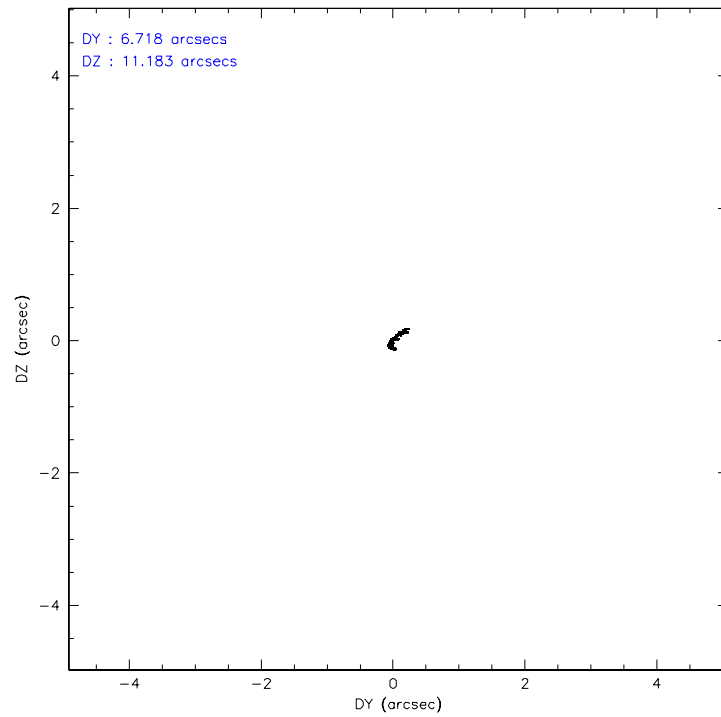
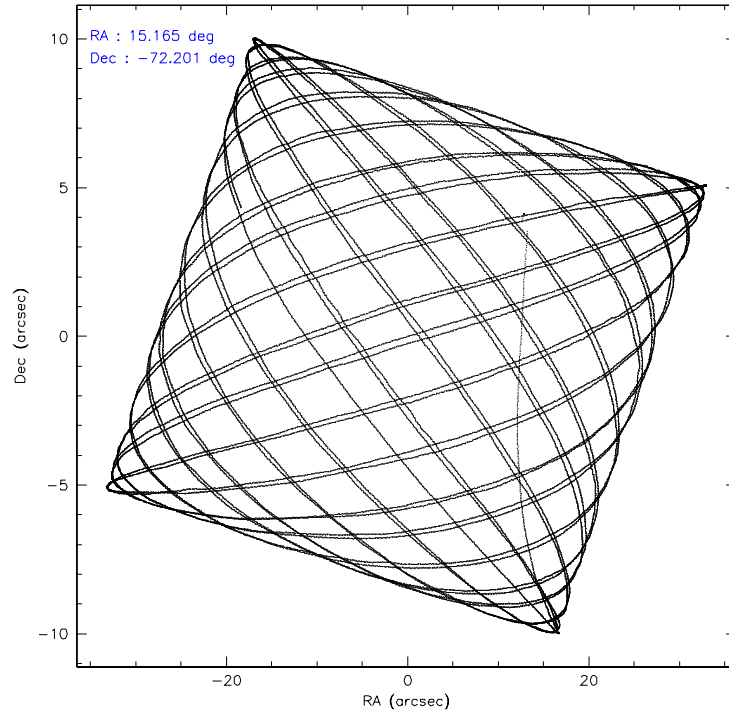
| | |
|-----------------|--------------|
| | ccd 7 |
| level 1 events | 20564 |
| rejected events | 10991 |
| rejected % | 53% |

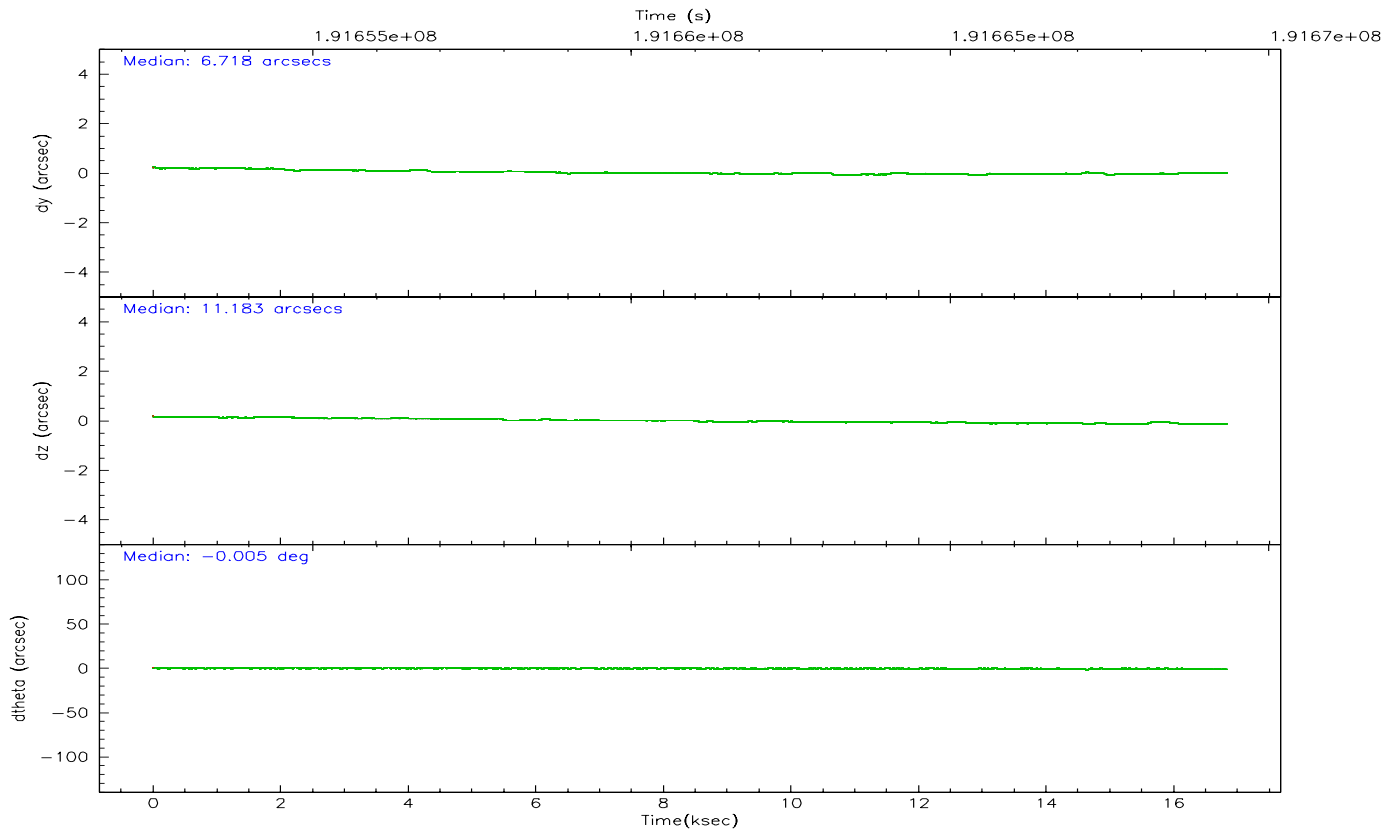
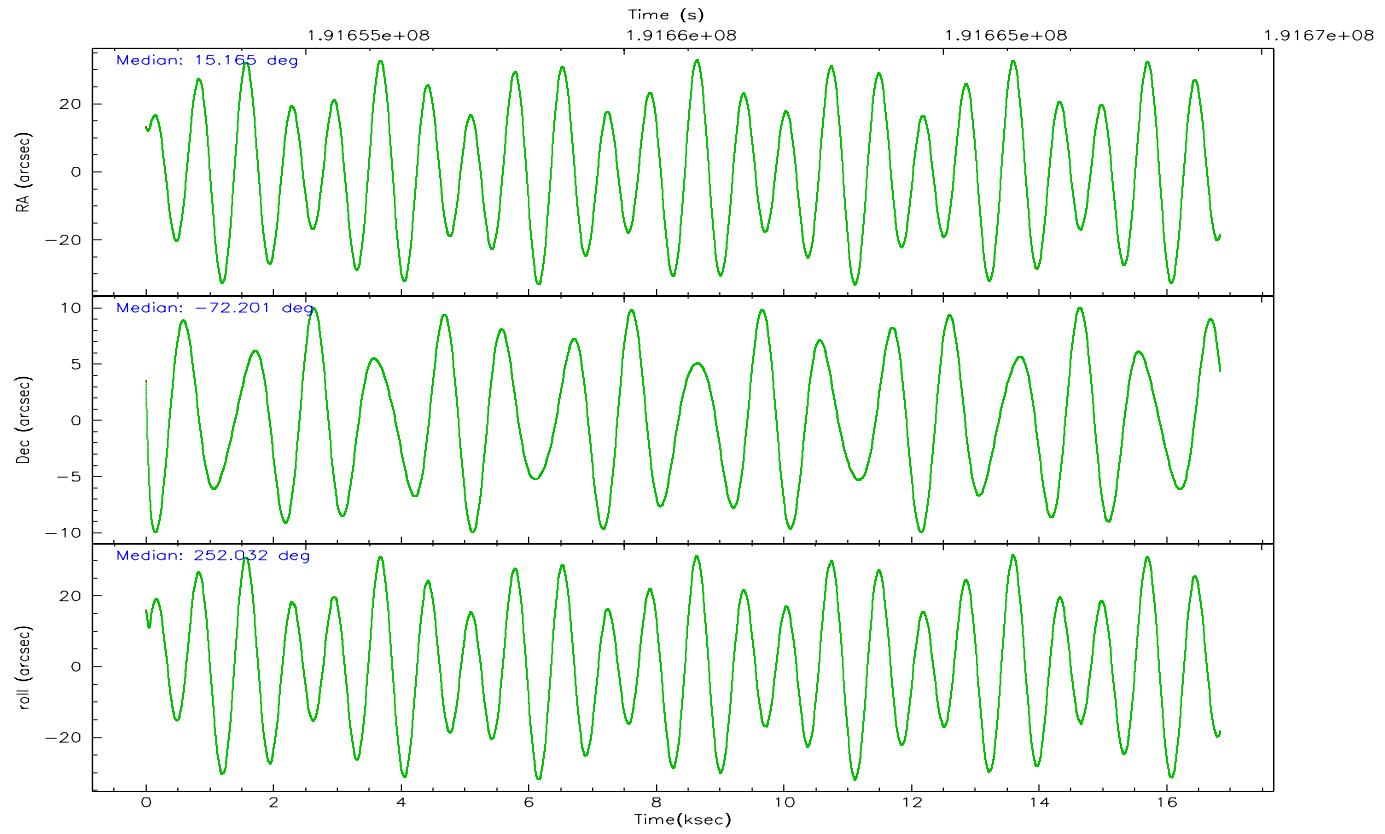
| | |
|----------------|--------------|
| | ccd 7 |
| grade 0 events | 1168 |
| | 5% |
| grade 1 events | 7 |
| | 0% |
| grade 2 events | 2263 |
| | 11% |
| grade 3 events | 1009 |
| | 4% |
| grade 4 events | 1059 |
| | 5% |
| grade 5 events | 1399 |
| | 6% |
| grade 6 events | 4512 |
| | 21% |
| grade 7 events | 9147 |
| | 44% |

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 | On-chip summing requested | N | N |
| Observation mode | POINTING | POINTING | Subarray requested | 1/8 | 1/8 |
| Pointing RA | 15.144981 | 15.16475953249522 | Subarray start row | 0 | 449 |
| Pointing Dec | -72.174702 | -72.20123246409744 | Subarray row count | 1024 | 128 |
| Pointing Roll | 251.856466 | 252.0319199430035 | Alternating exposures requested | N | N |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | Primary exposure time | 0.000000 | 0.4 |
| 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 | 191652666.184000 | 191651534.23782 | | | |
| Observation start date | 2004-01-28T04:50:02 | 2004-01-28T04:32:14 | | | |
| Observation end time | 191669336.184000 | 191669650.60112 | | | |
| Observation end date | 2004-01-28T09:27:52 | 2004-01-28T09:34:10 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



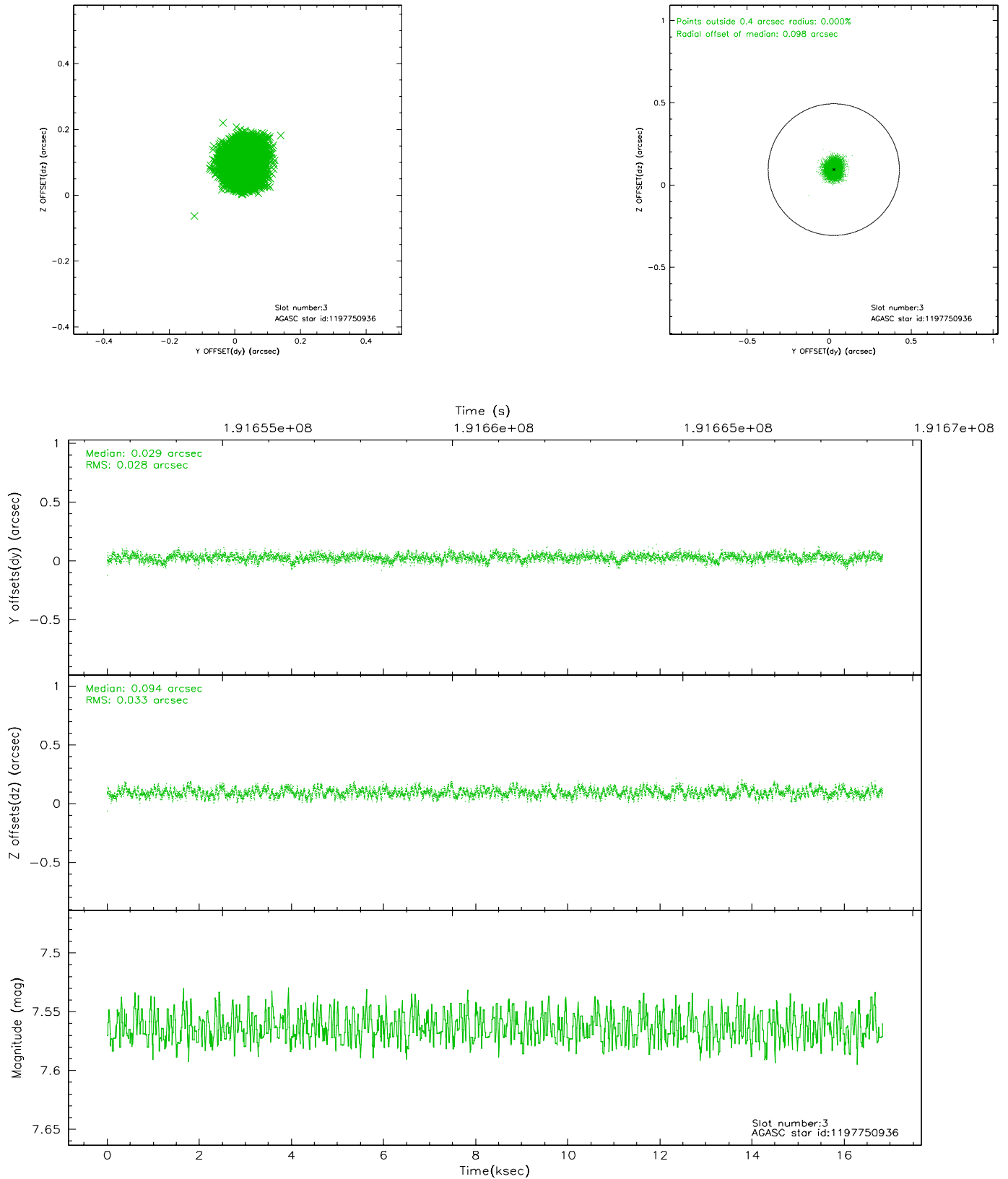


Slot Statistics

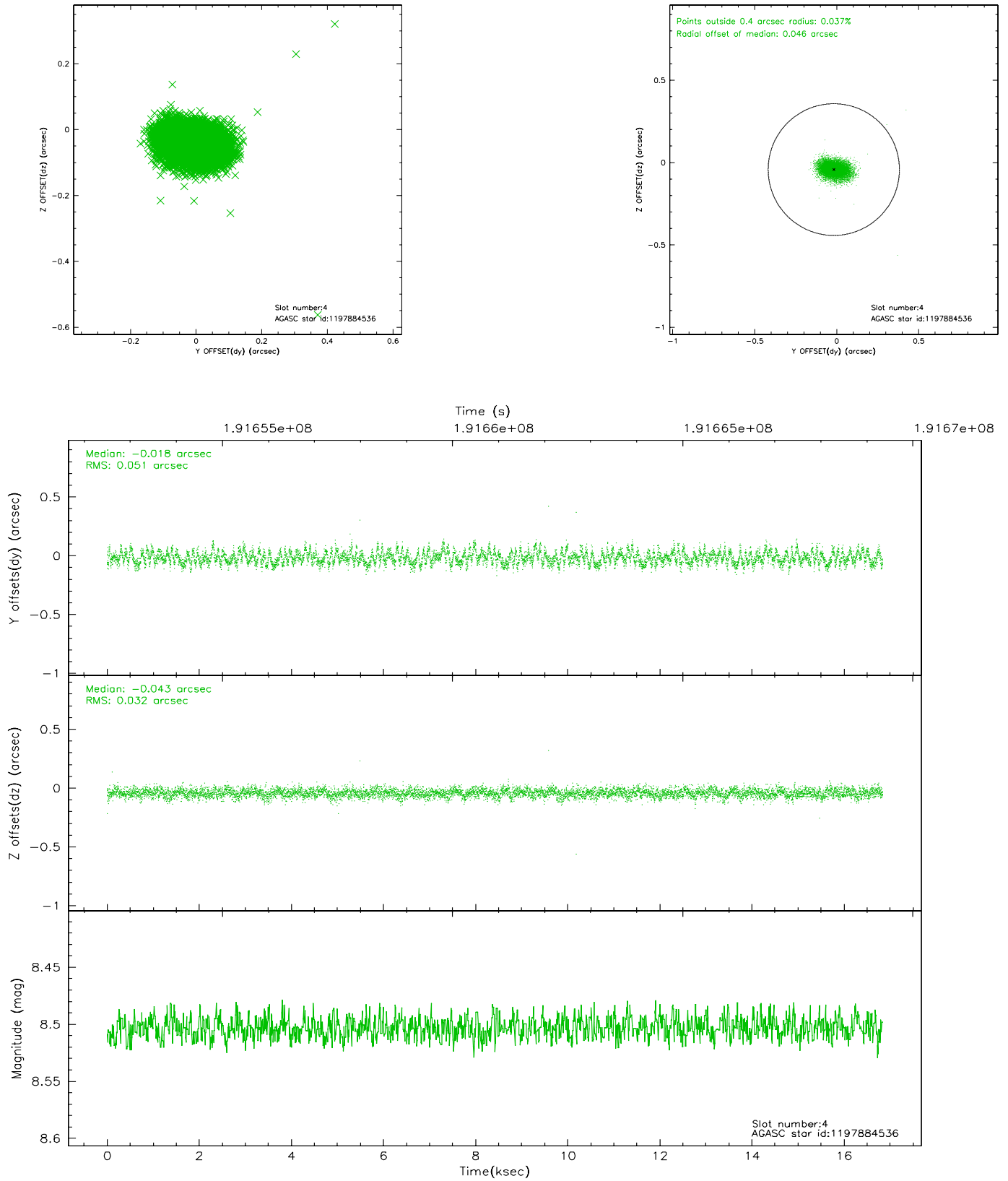
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|------|-------|--------|--------|-------|-------|-----------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.10 | 4108 | -0.036 | 0.007 | 0.007 | 0.012 | 0.000000 | 0.000000 | -759.51 | -1732.42 |
| 1 | FID | ACIS-S-4 | 7.20 | 4108 | 0.023 | 0.016 | 0.005 | 0.010 | 0.000000 | 0.000000 | 2153.69 | 175.85 |
| 2 | FID | ACIS-S-5 | 7.23 | 4108 | -0.018 | -0.013 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1812.03 | 169.73 |
| 3 | GUIDE | 1197750936 | 7.56 | 8215 | 0.029 | 0.094 | 0.047 | 0.074 | 15.387940 | -71.549550 | -2224.07 | -437.28 |
| 4 | GUIDE | 1197884536 | 8.50 | 8214 | -0.018 | -0.043 | 0.063 | 0.104 | 17.160729 | -71.835289 | -1829.77 | 1780.78 |
| 5 | GUIDE | 1197884712 | 8.31 | 8213 | 0.054 | 0.060 | 0.054 | 0.087 | 16.087398 | -72.252690 | -47.62 | 1073.09 |
| 6 | GUIDE | 1197885328 | 7.23 | 8216 | 0.020 | -0.084 | 0.051 | 0.085 | 16.283090 | -71.733943 | -1896.42 | 730.49 |
| 7 | GUIDE | 1198189696 | 7.36 | 8215 | -0.087 | -0.026 | 0.050 | 0.079 | 15.223750 | -72.697522 | 1762.14 | 666.57 |

2.4 Star Slots

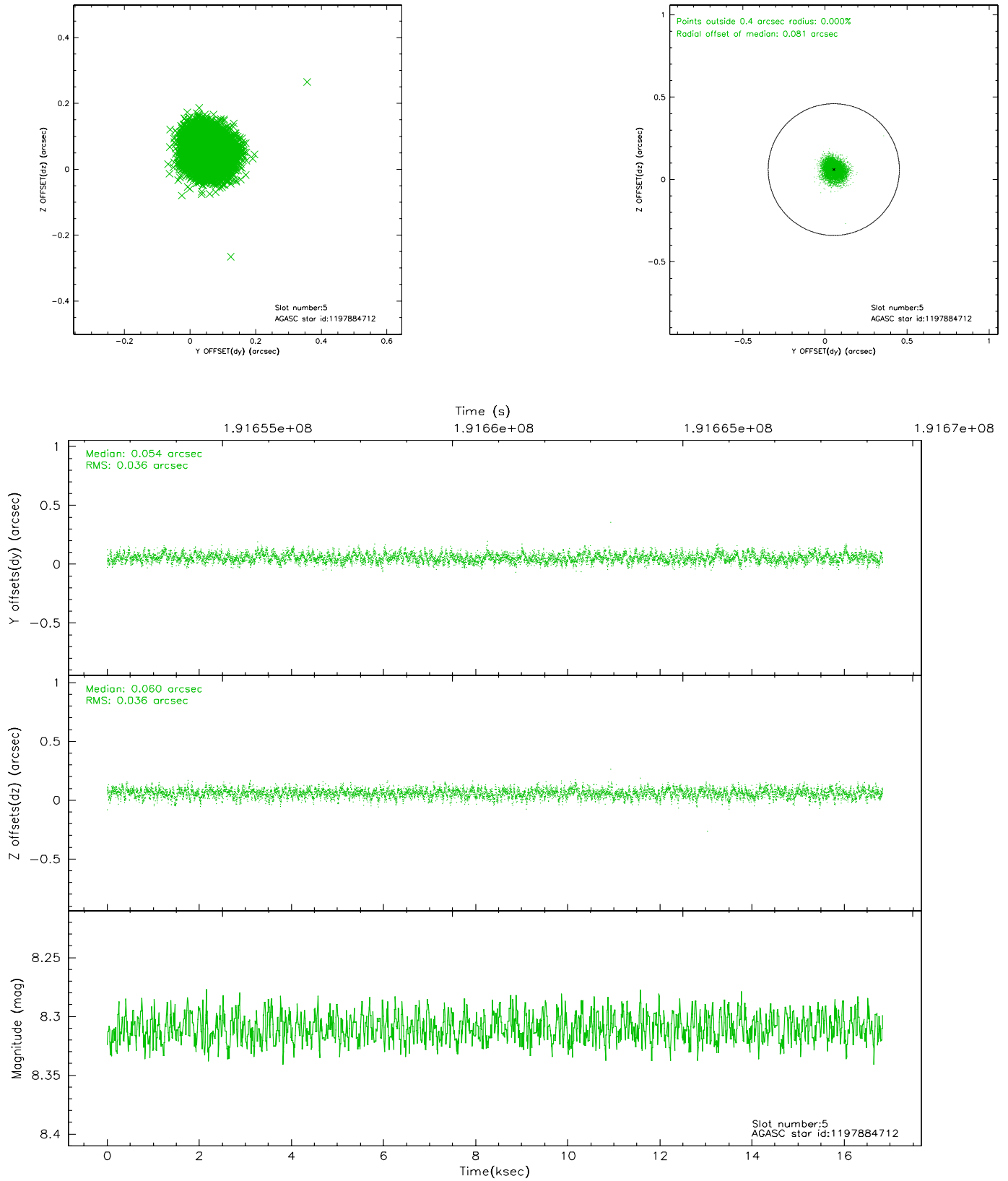
2.4.1 Slot 3



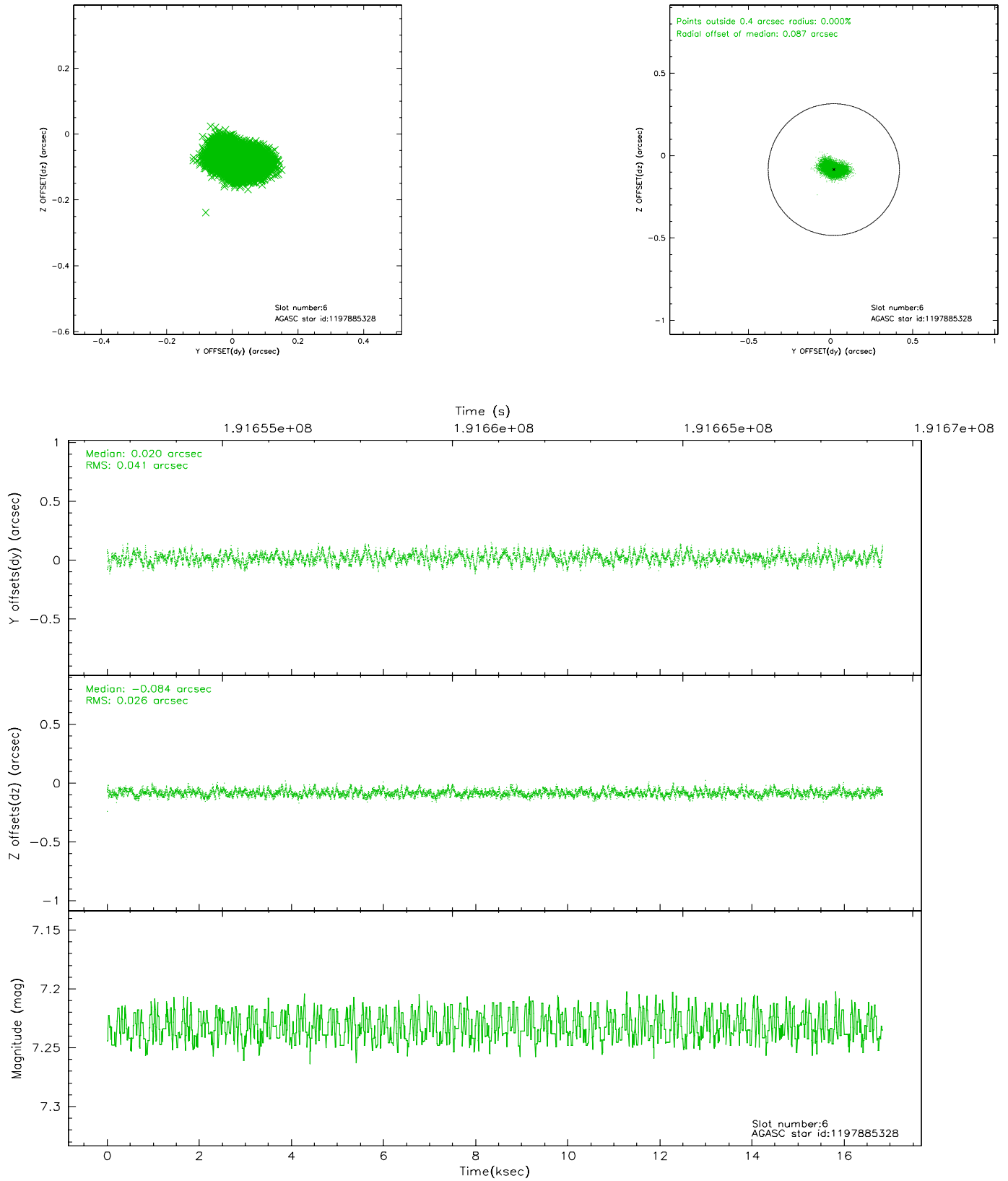
2.4.2 Slot 4



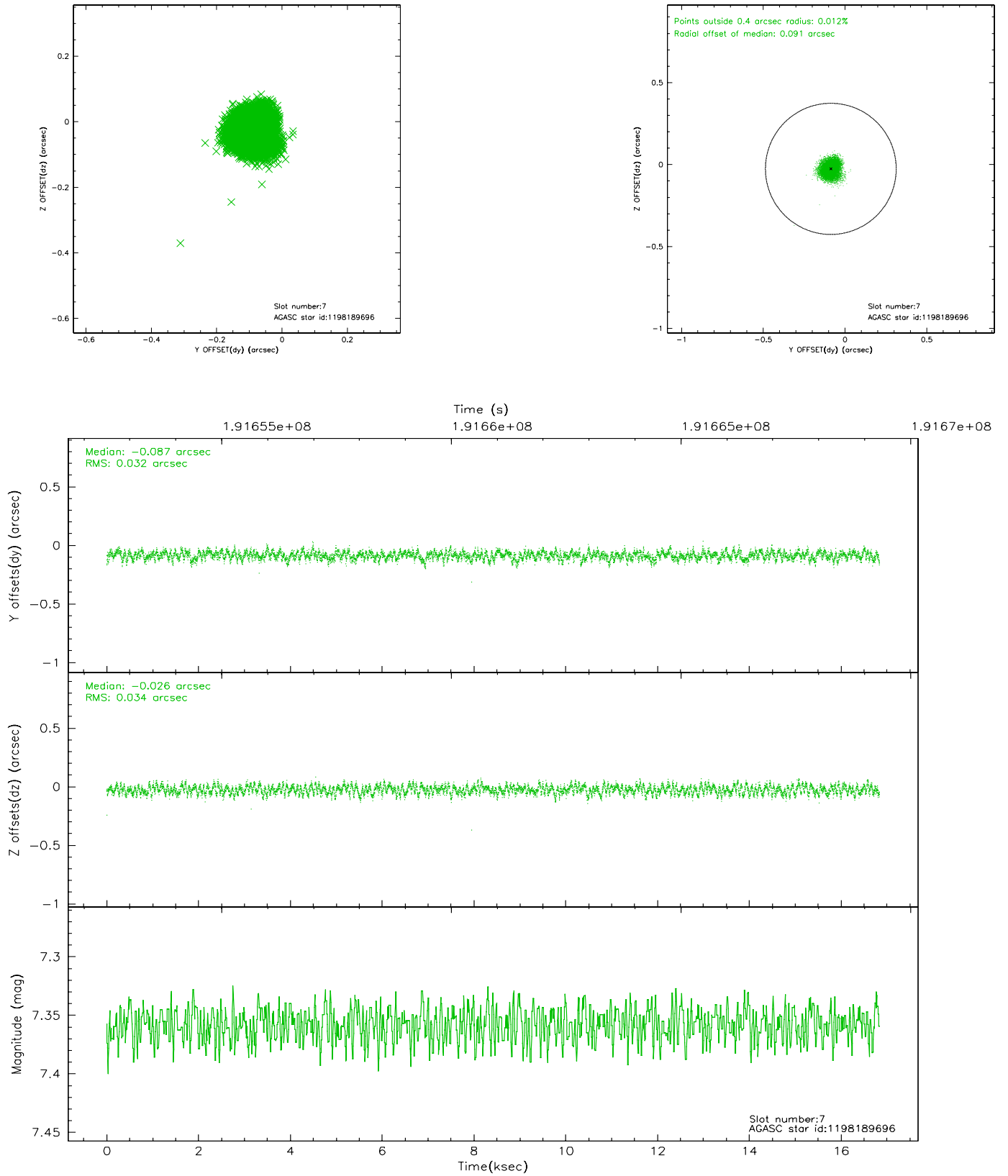
2.4.3 Slot 5



2.4.4 Slot 6

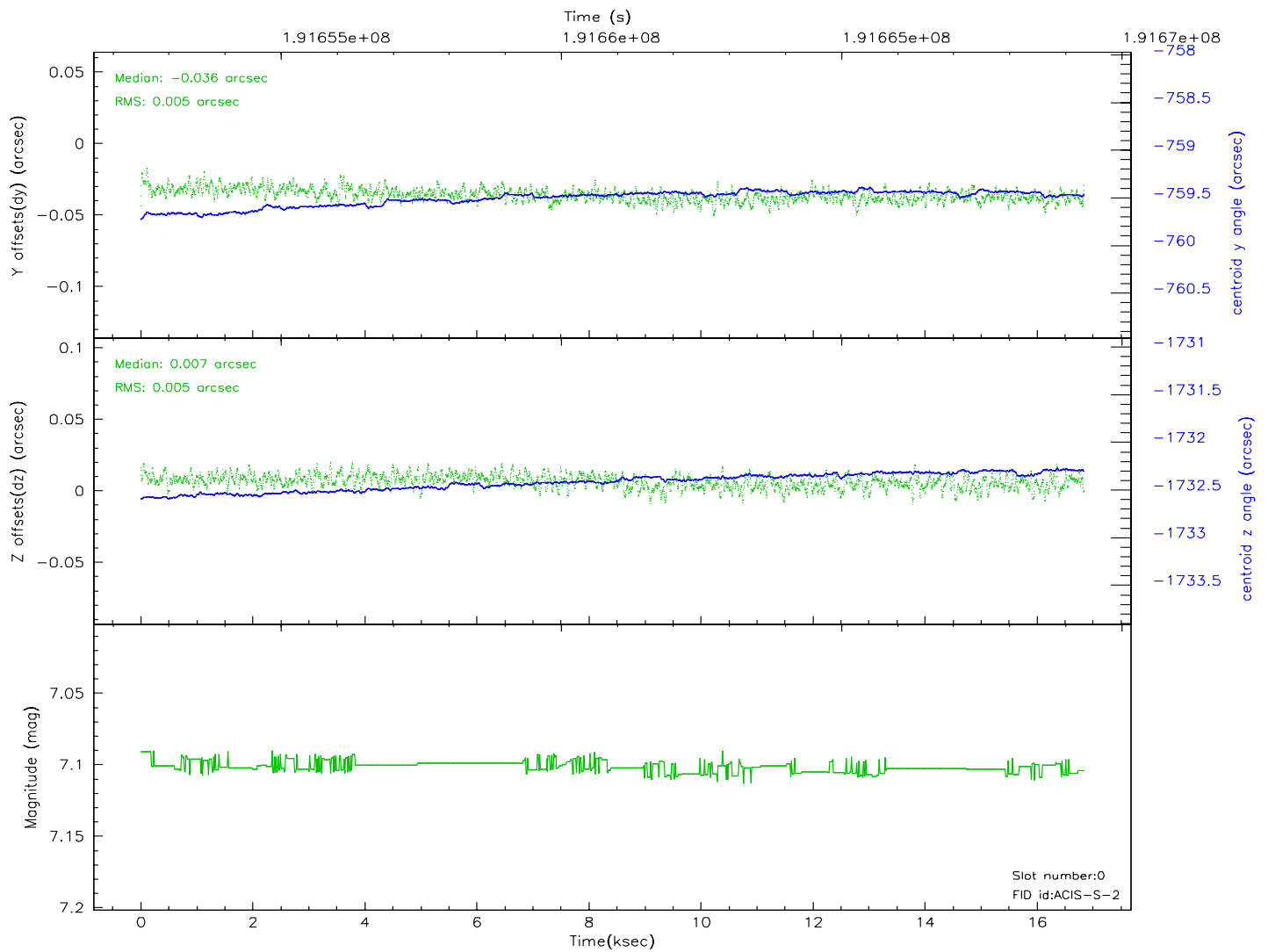
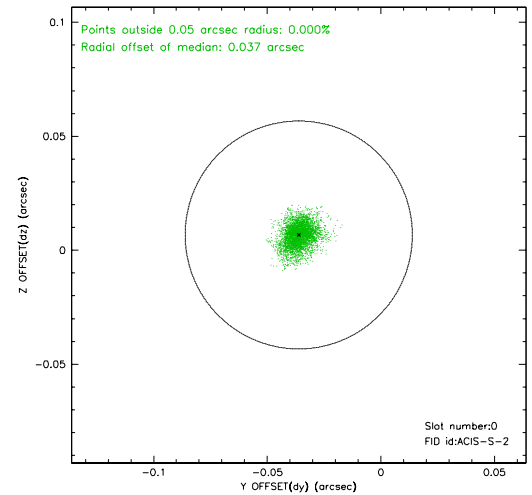
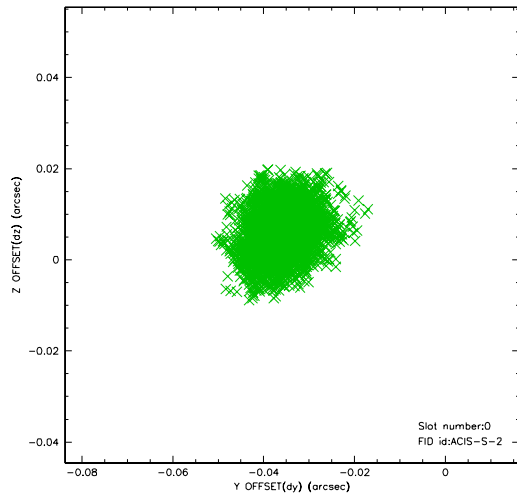


2.4.5 Slot 7

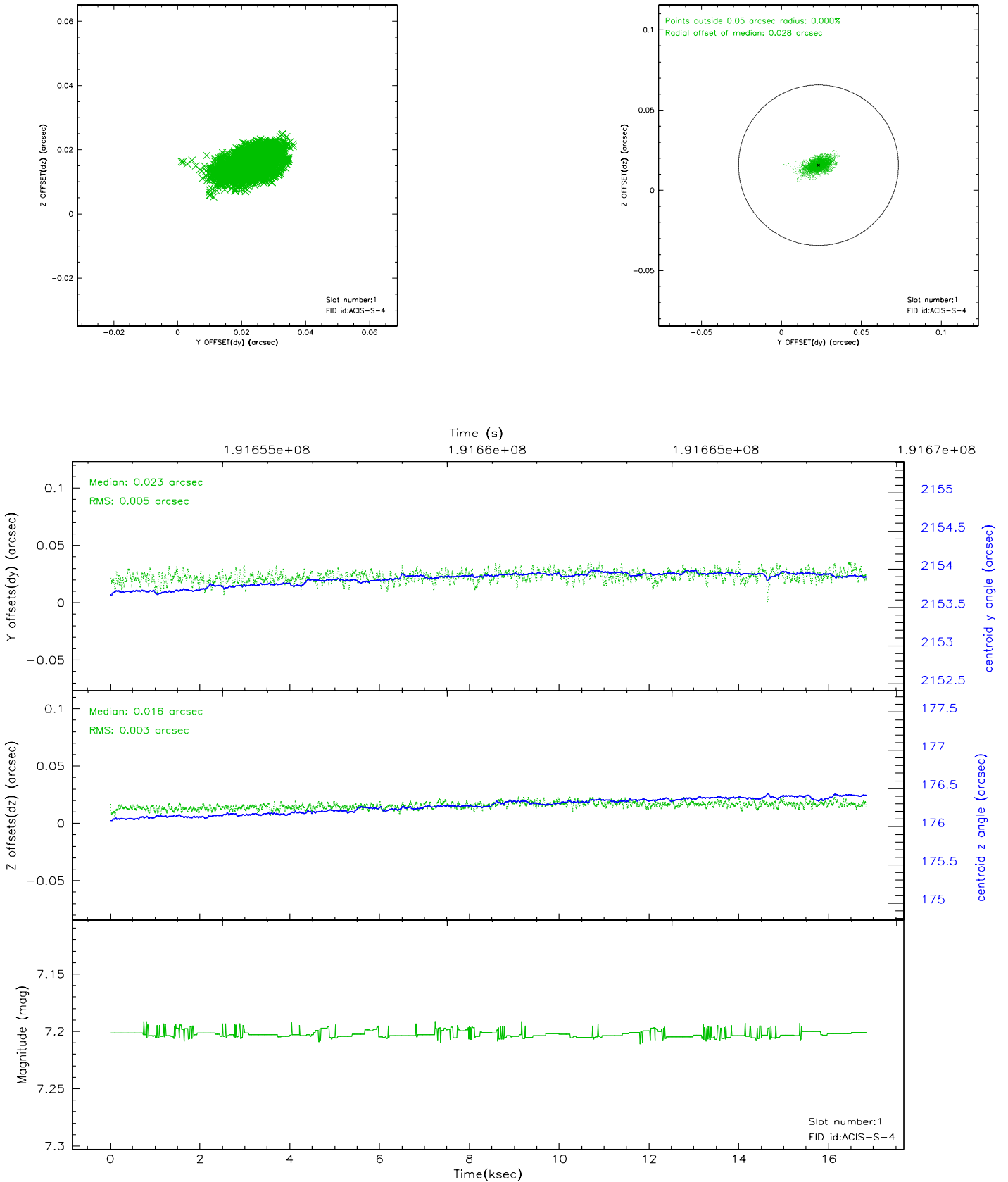


2.5 FID Slots

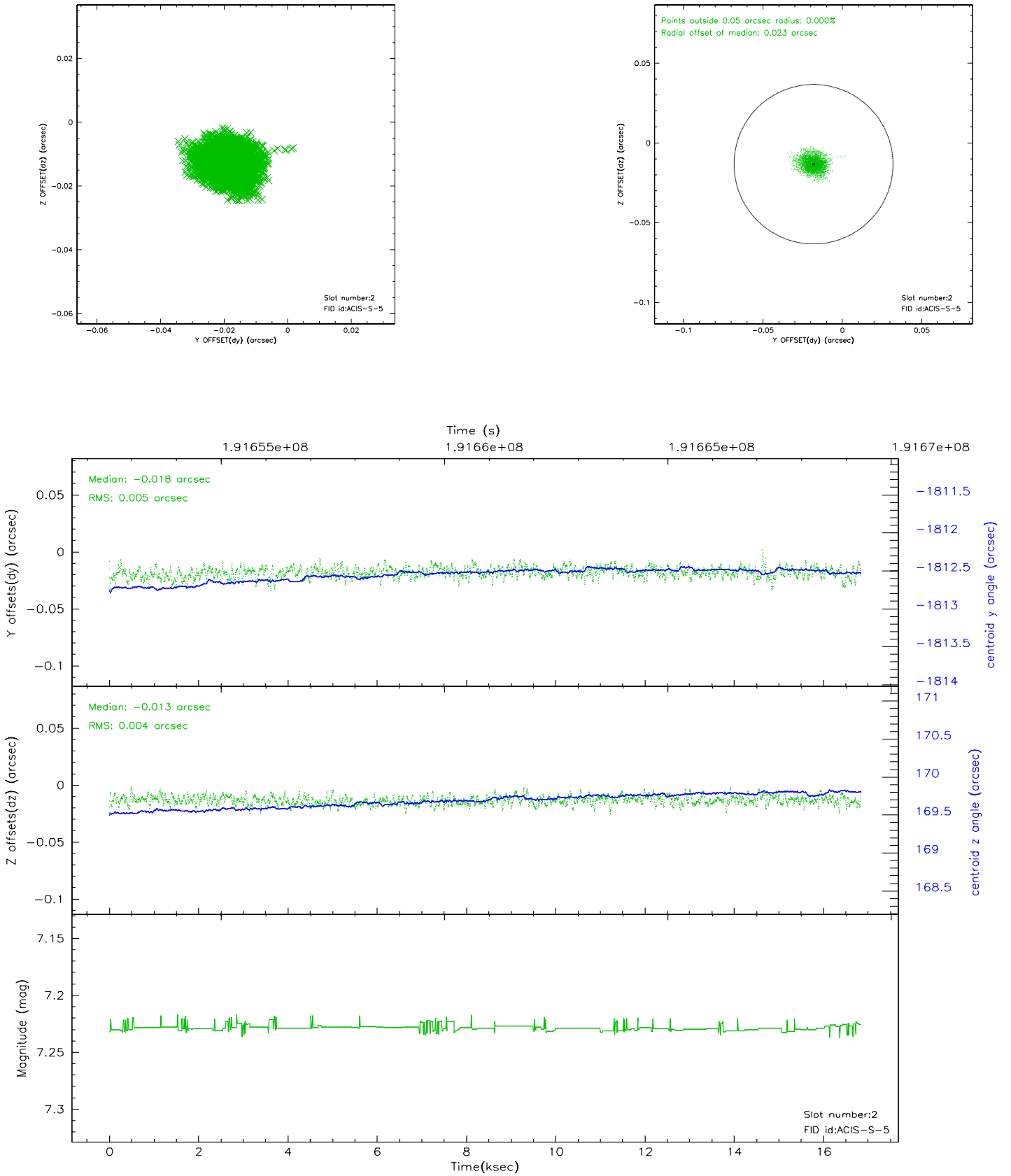
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

5.40 arcmin



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.06.05 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 16.839 |

A.2 Comments

Monitor constraint met.