

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4651 - L2 Version 001
Chandra X-Ray Center

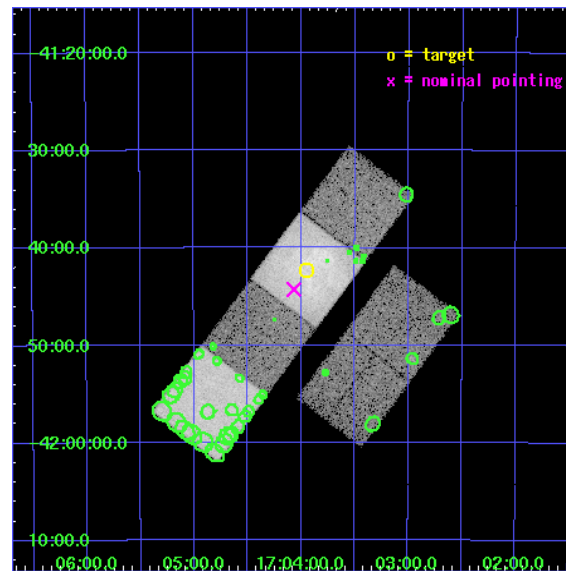
L2 Processing Date : May 23 2006

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1 Front

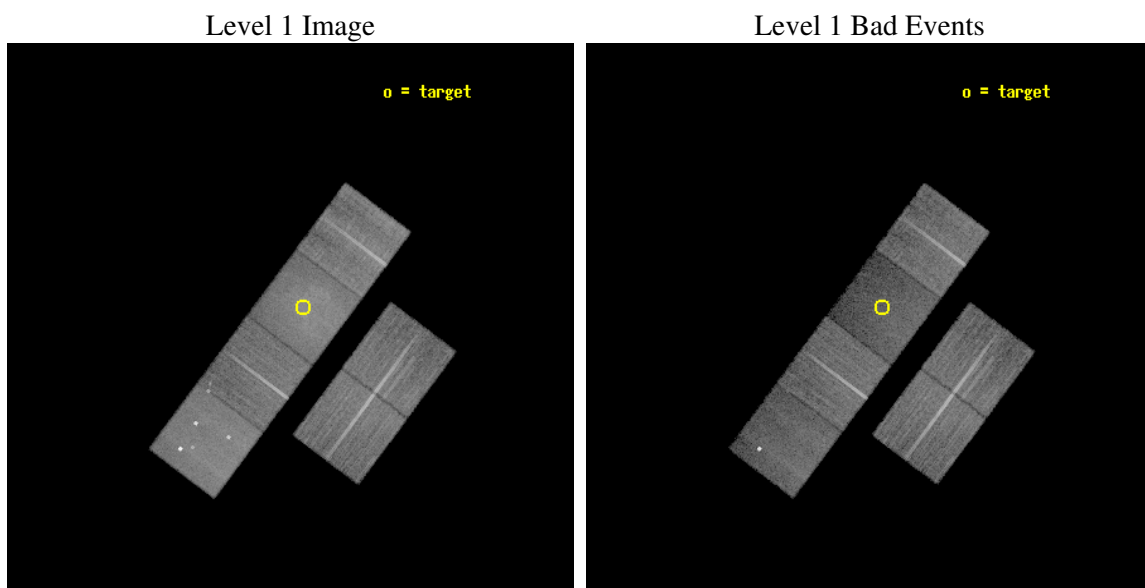
| | |
|----------|---|
| seq_num | 500470 |
| obs_id | 4651 |
| title | Chandra Studies of New Galactic Ejecta-Dominated SNRS |
| observer | Prof. John Hughes |
| object | G344.7-0.1 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 255.9875 |
| dec_targ | -41.705417 |
| ra_nom | 256.01709360453 |
| dec_nom | -41.737970803362 |
| roll_nom | 306.77631588811 |
| revision | 2 |
| ontime | 21020.799921691 |
| livetime | 20754.621895877 |
| ontime2 | 21020.799921691 |
| ontime3 | 21020.799921691 |
| ontime5 | 21020.799921691 |
| ontime6 | 21017.558941394 |
| ontime7 | 21020.799921691 |
| ontime8 | 21020.799921691 |
| l2events | 212323 |



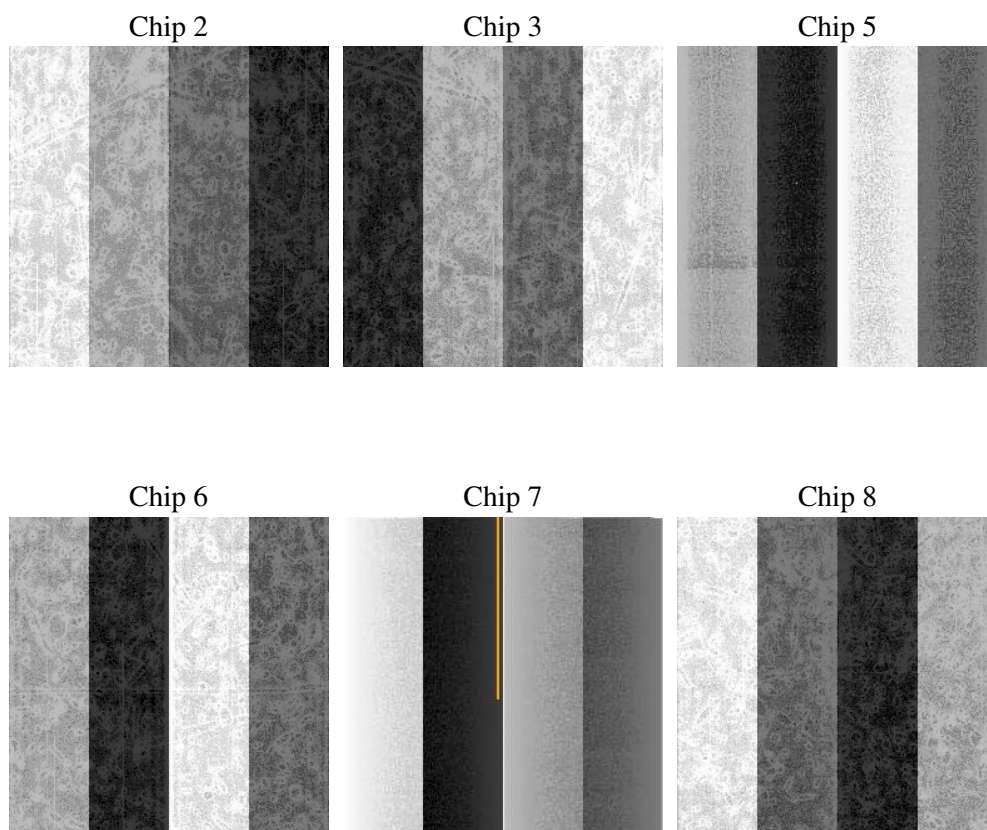
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7.2 |
| caldsver | 3.2.2 |
| date | 2006-05-23T20:58:05 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 21065.080000 |
| ontime | 21027.659821928 |
| ontime2 | 21027.659821928 |
| ontime3 | 21027.659821928 |
| ontime5 | 21027.659821928 |
| ontime6 | 21024.41884163 |
| ontime7 | 21027.659821928 |
| ontime8 | 21027.659821928 |
| l1events | 846201 |

2.1.4 Events

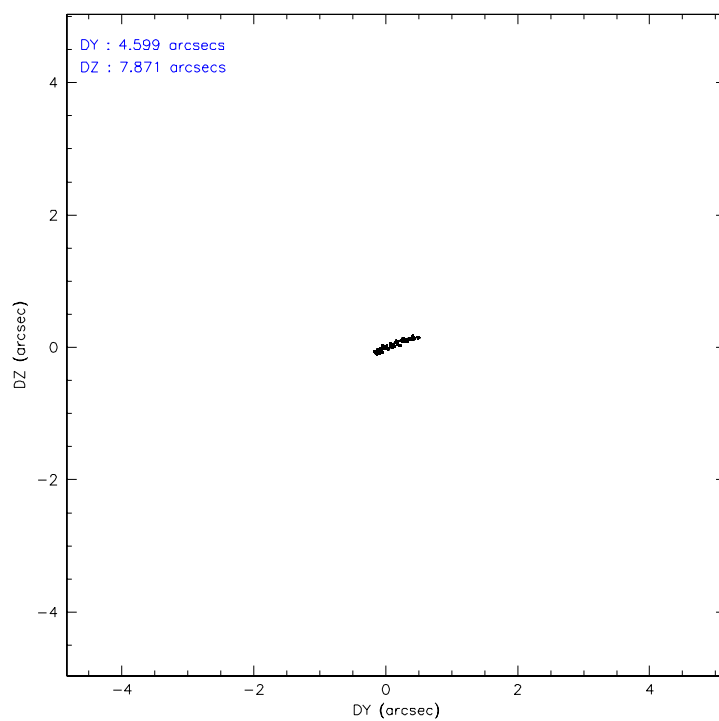
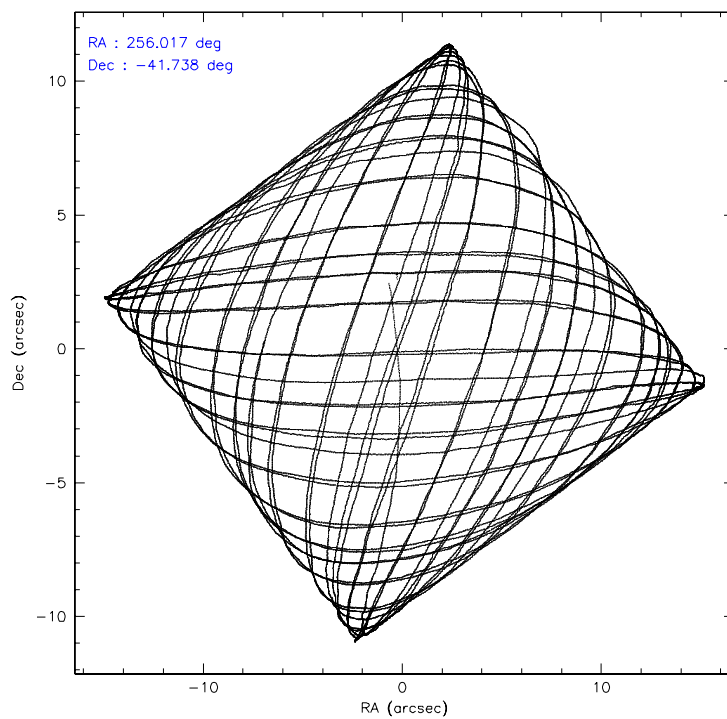
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|-----------------|--------|--------|--------|--------|--------|--------|
| level 1 events | 133278 | 122402 | 166616 | 123229 | 149428 | 151248 |
| rejected events | 119877 | 109771 | 78550 | 107919 | 62977 | 113446 |
| rejected % | 89% | 89% | 47% | 87% | 42% | 75% |

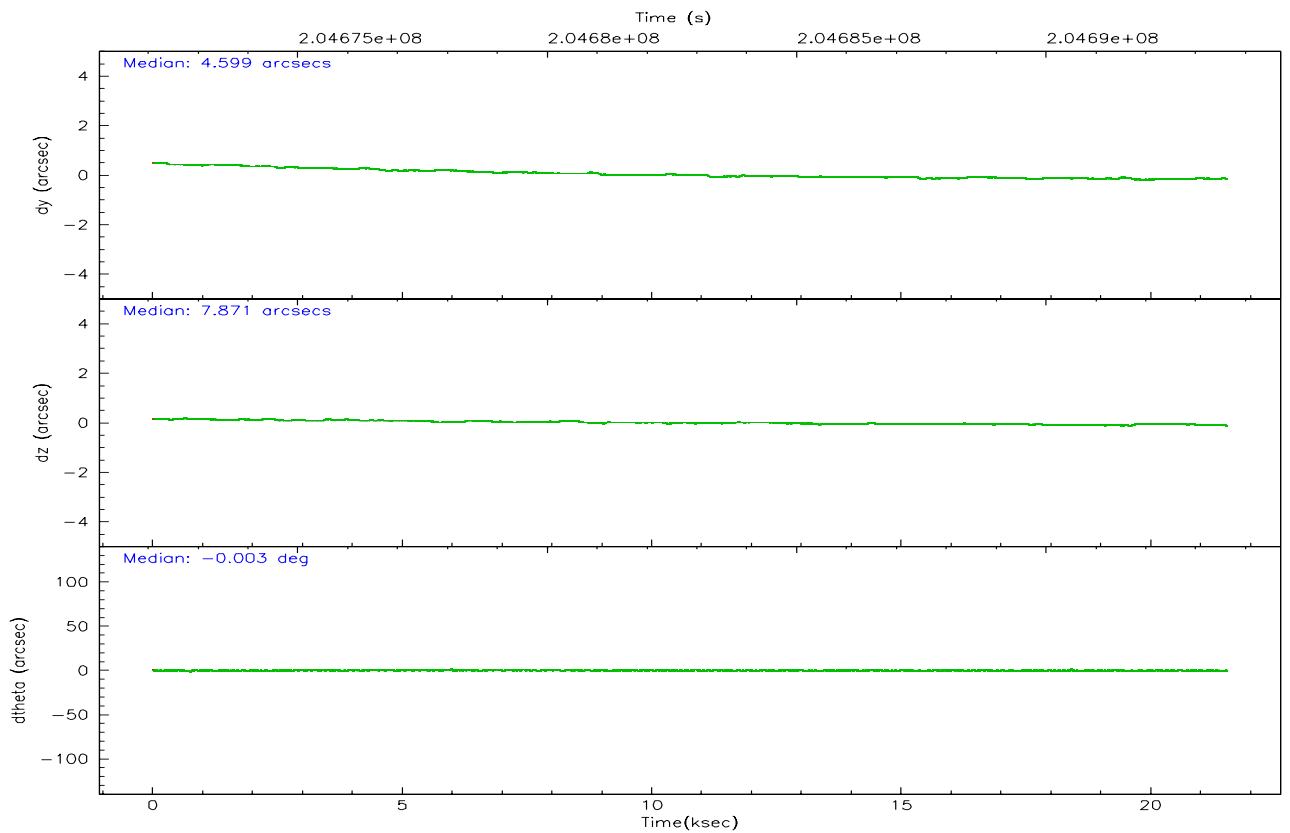
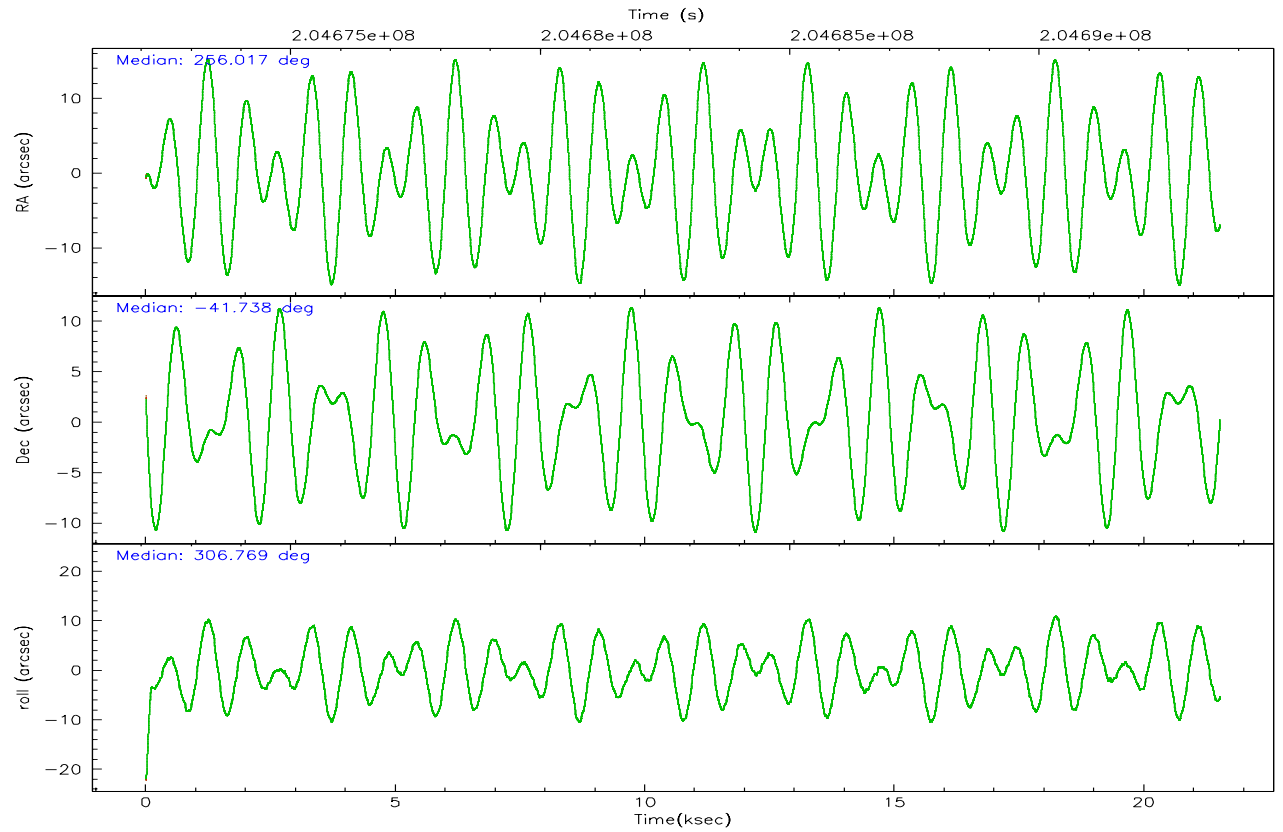
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|----------------|--------|--------|-------|--------|-------|--------|
| grade 0 events | 5773 | 5385 | 10155 | 6915 | 8832 | 11606 |
| | 4% | 4% | 6% | 5% | 5% | 7% |
| grade 1 events | 72 | 77 | 95 | 60 | 83 | 129 |
| | 0% | 0% | 0% | 0% | 0% | 0% |
| grade 2 events | 2926 | 2478 | 28310 | 2938 | 22716 | 8556 |
| | 2% | 2% | 16% | 2% | 15% | 5% |
| grade 3 events | 1297 | 1345 | 2463 | 1447 | 6538 | 3951 |
| | 0% | 1% | 1% | 1% | 4% | 2% |
| grade 4 events | 1309 | 1338 | 2355 | 1413 | 6437 | 3703 |
| | 0% | 1% | 1% | 1% | 4% | 2% |
| grade 5 events | 3493 | 4022 | 8494 | 4133 | 9518 | 6023 |
| | 2% | 3% | 5% | 3% | 6% | 3% |
| grade 6 events | 2099 | 2089 | 44812 | 2602 | 41952 | 9990 |
| | 1% | 1% | 26% | 2% | 28% | 6% |
| grade 7 events | 116309 | 105668 | 69932 | 103721 | 53352 | 107290 |
| | 87% | 86% | 41% | 84% | 35% | 70% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-235678 | ACIS-235678 | 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 | 255.983380 | 256.0170936045334 | Alternating exposures requested | N | N |
| Pointing Dec | -41.727542 | -41.73797080336234 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 306.597253 | 306.7763158881076 | | | |
| SIM focus pos (mm) | -0.684267 | -0.6828225247311905 | | | |
| SIM defocus (mm) | 0 | 0.001444936568705701 | | | |
| SIM translation stage pos (mm) | -190.132523 | -190.1400660498719 | | | |
| SIM translation stage offset (mm) | 0 | 0.00754346686406393 | | | |
| Observation start time | 204672568.184000 | 204671466.62318 | | | |
| Observation start date | 2004-06-26T21:28:24 | 2004-06-26T21:11:06 | | | |
| Observation end time | 204693633.184000 | 204693851.59917 | | | |
| Observation end date | 2004-06-27T03:19:29 | 2004-06-27T03:24:11 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



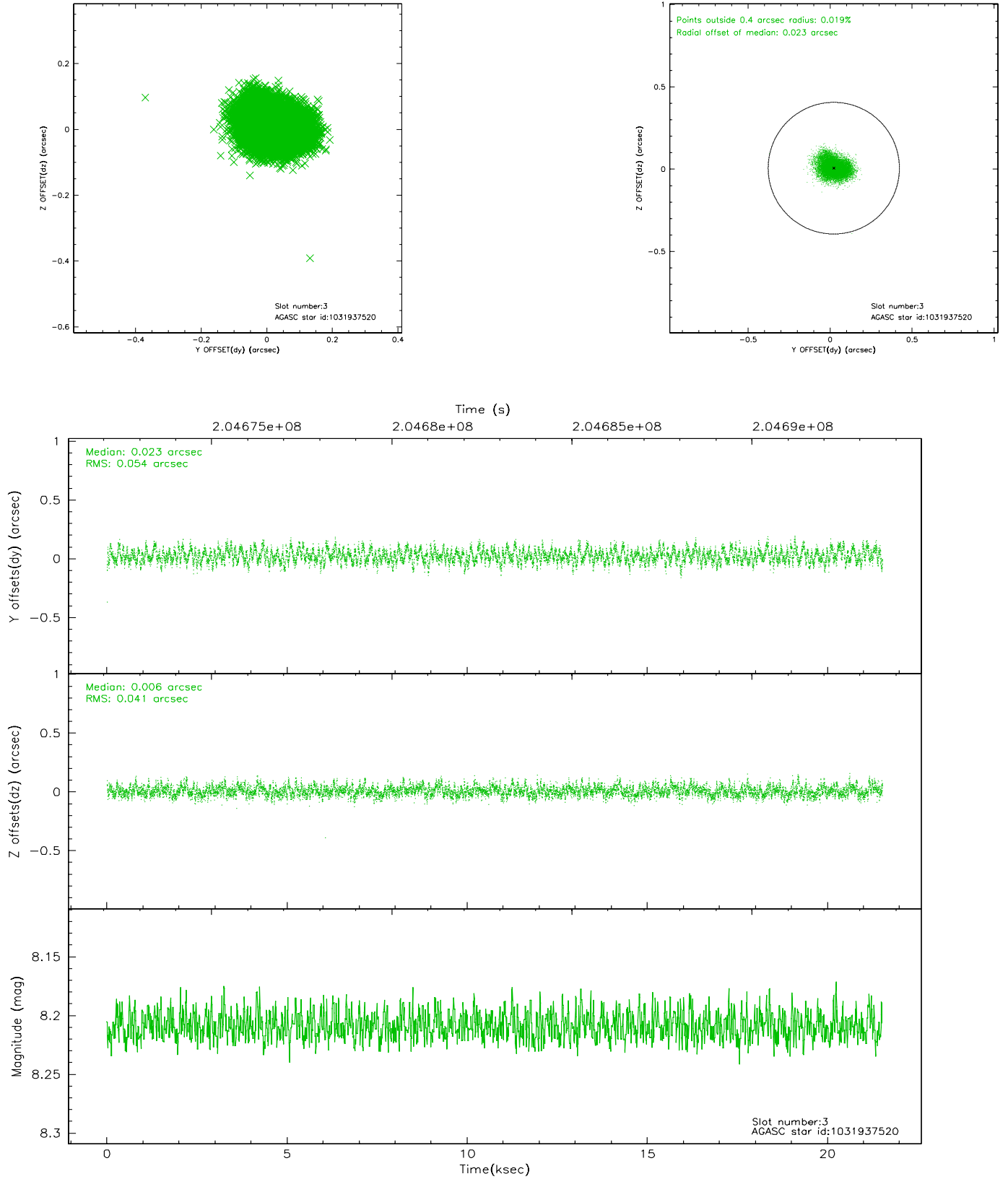


Slot Statistics

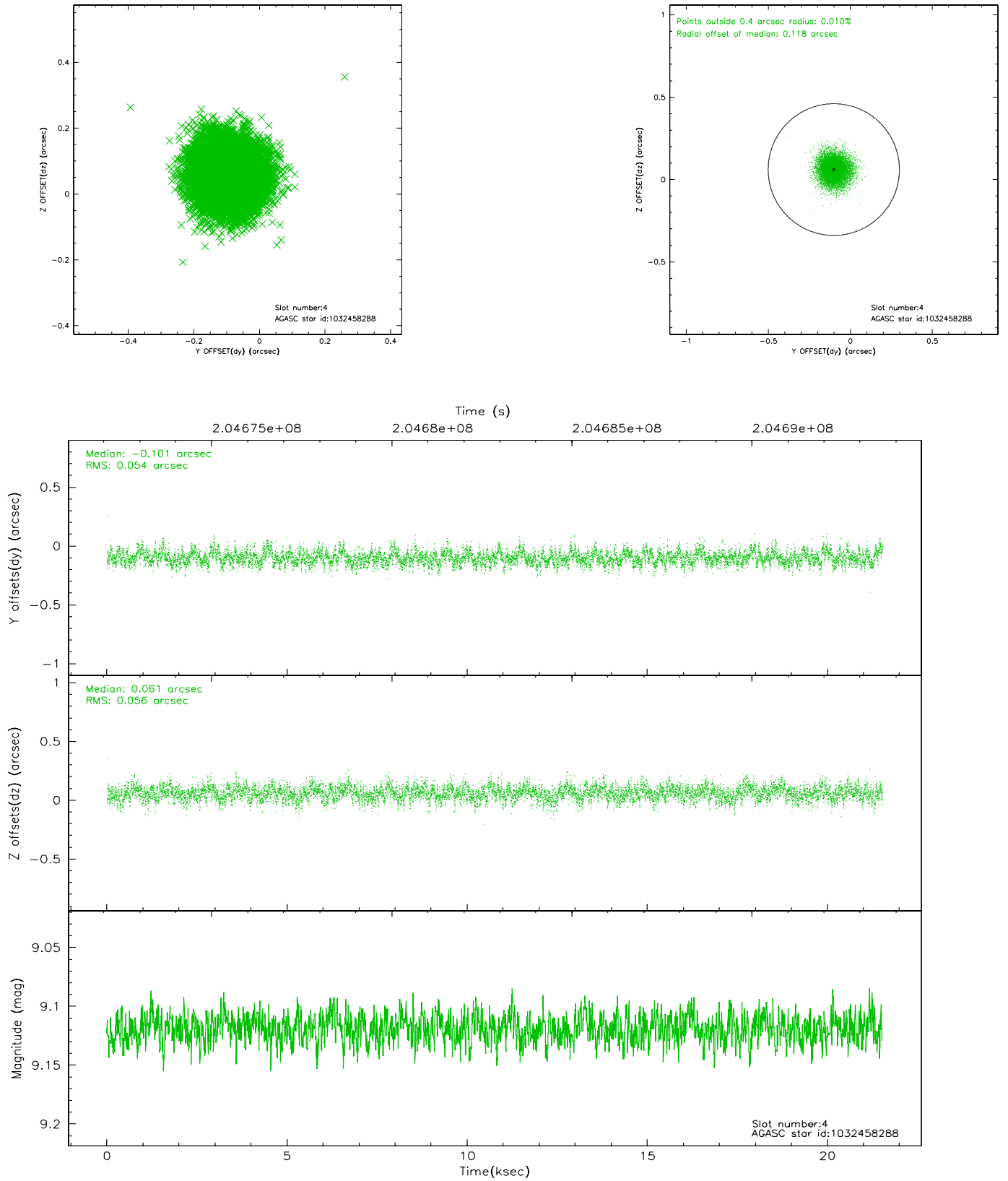
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|------------|------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.11 | 5251 | -0.054 | -0.024 | 0.007 | 0.012 | 0.000000 | 0.000000 | -757.43 | -1729.08 |
| 1 | FID | ACIS-S-4 | 7.21 | 5248 | 0.027 | 0.041 | 0.007 | 0.012 | 0.000000 | 0.000000 | 2155.89 | 179.24 |
| 2 | FID | ACIS-S-6 | 7.35 | 5251 | -0.001 | -0.009 | 0.007 | 0.012 | 0.000000 | 0.000000 | 404.87 | 816.81 |
| 3 | GUIDE | 1031937520 | 8.21 | 10499 | 0.023 | 0.006 | 0.072 | 0.115 | 256.333720 | -41.104608 | -1232.45 | 2099.01 |
| 4 | GUIDE | 1032458288 | 9.12 | 10501 | -0.101 | 0.061 | 0.082 | 0.133 | 255.516912 | -42.294354 | 900.61 | -2215.23 |
| 5 | GUIDE | 1032462424 | 8.02 | 10502 | -0.110 | -0.002 | 0.063 | 0.099 | 257.030418 | -41.723974 | 1681.16 | 2254.78 |
| 6 | GUIDE | 1032466120 | 9.15 | 10497 | 0.013 | -0.027 | 0.086 | 0.137 | 255.616572 | -41.318828 | -1770.53 | 79.82 |
| 7 | GUIDE | 1032459328 | 9.30 | 10495 | 0.171 | -0.042 | 0.089 | 0.145 | 256.299221 | -42.004804 | 1306.51 | 82.66 |

2.4 Star Slots

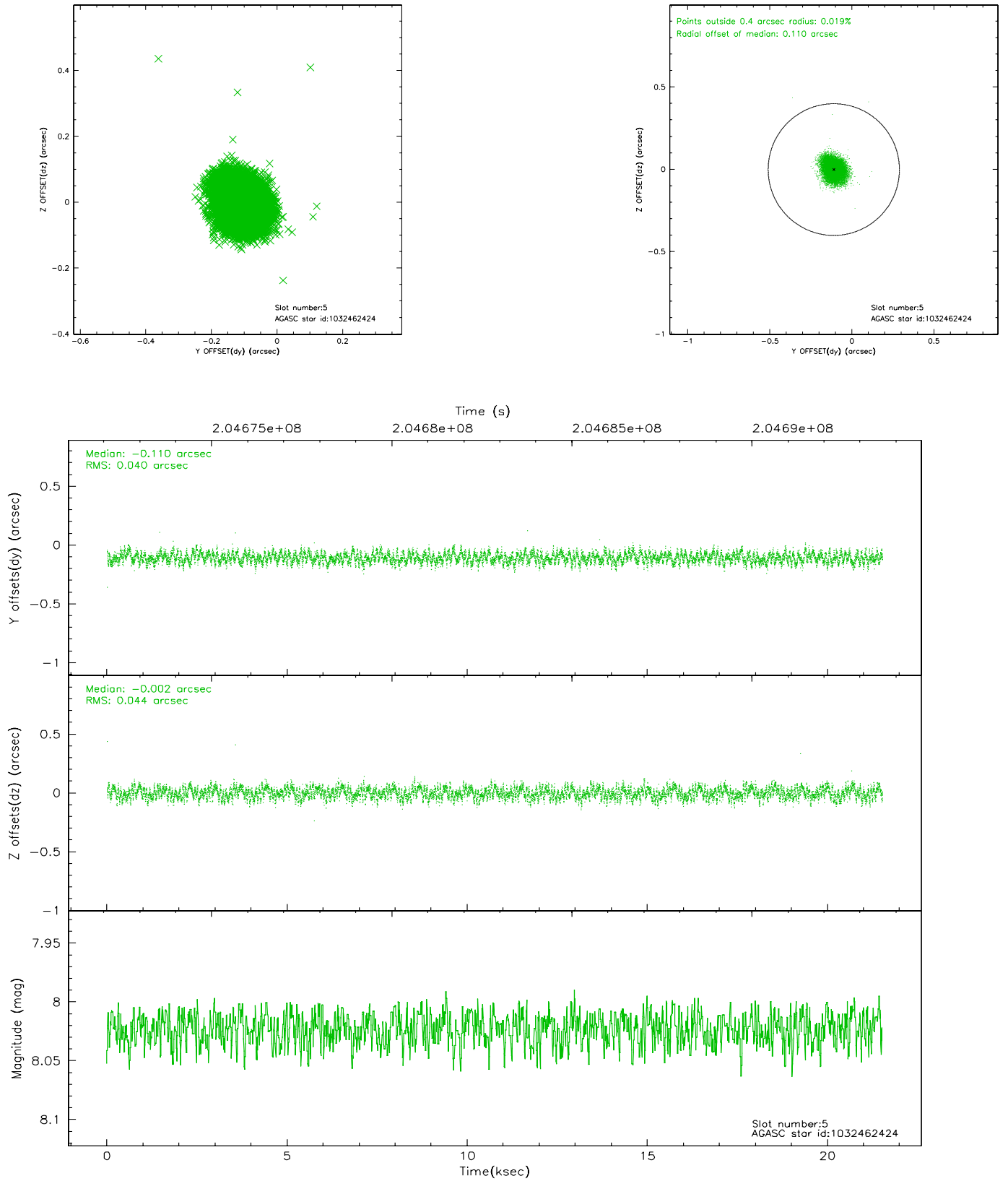
2.4.1 Slot 3



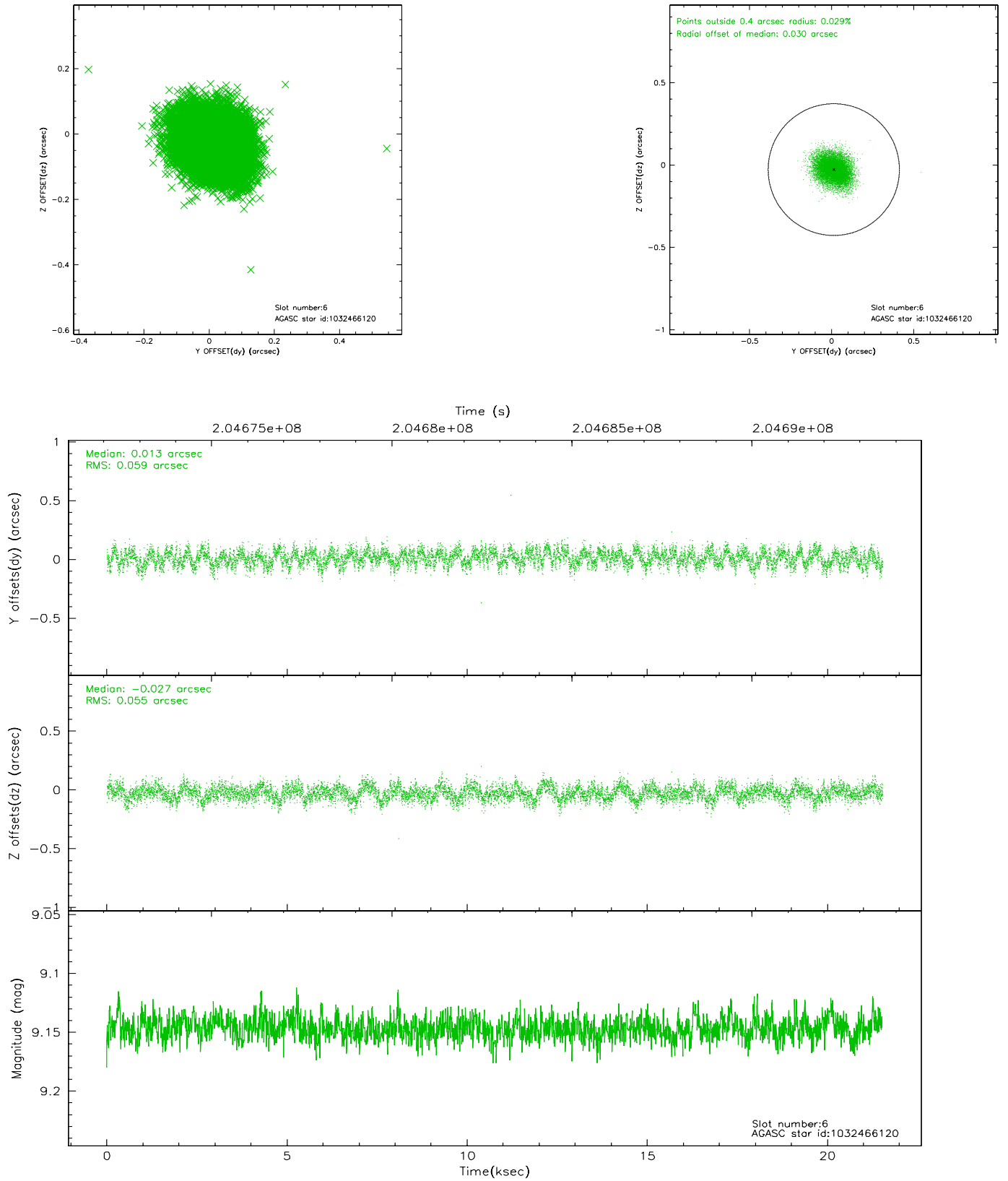
2.4.2 Slot 4



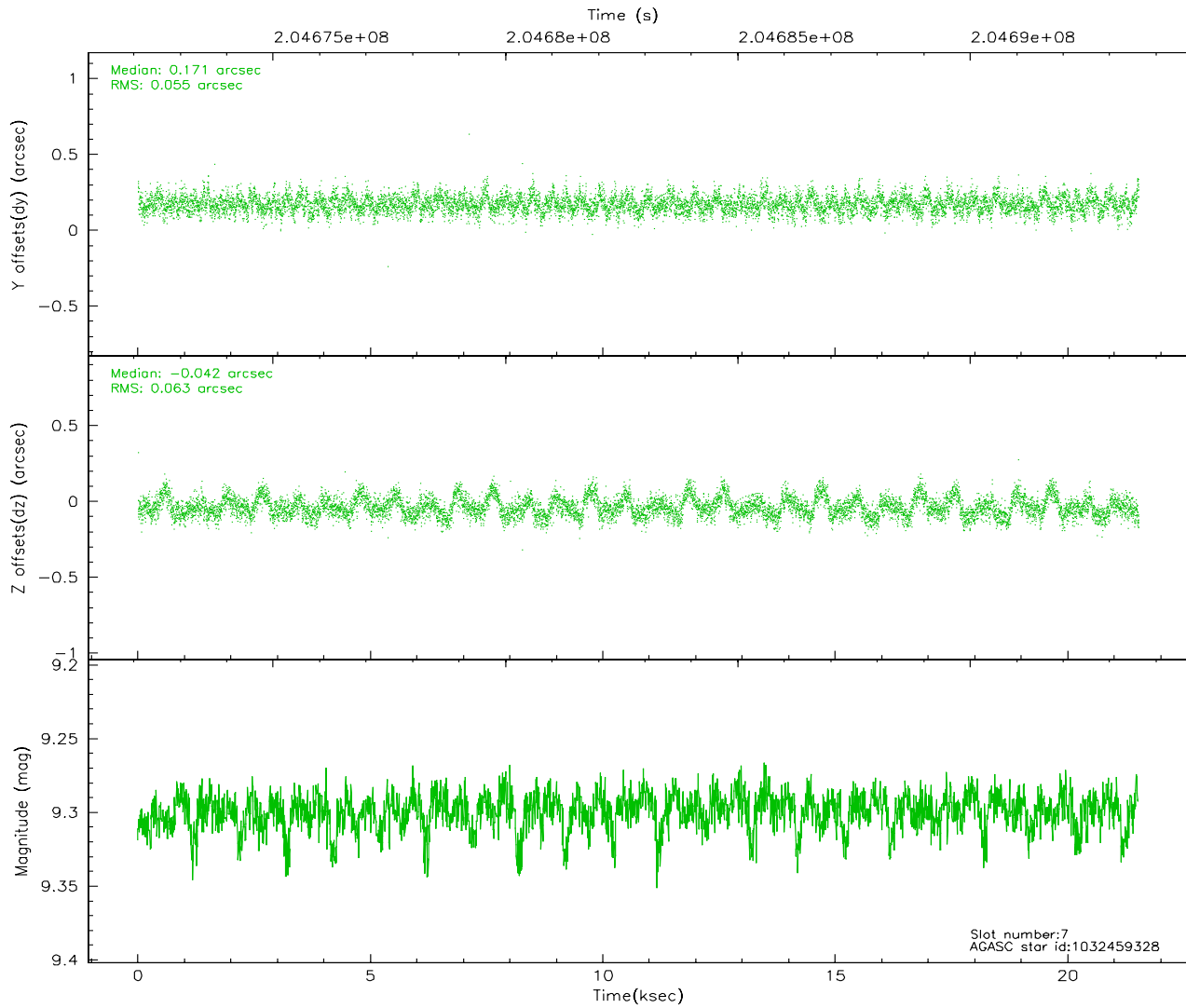
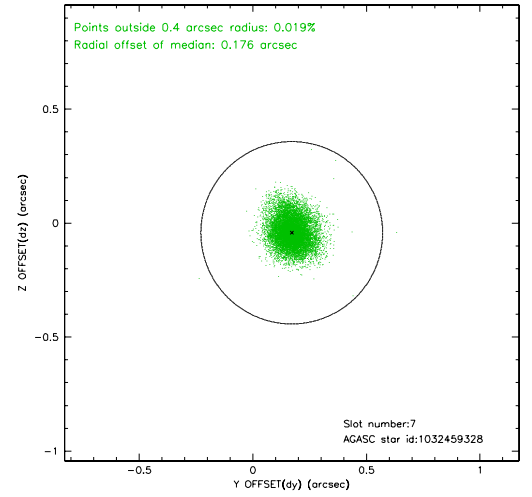
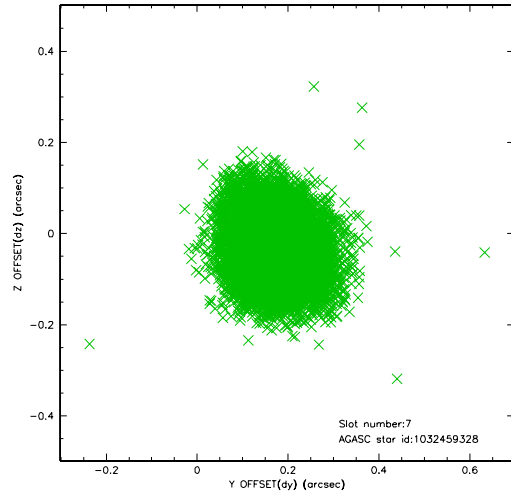
2.4.3 Slot 5



2.4.4 Slot 6

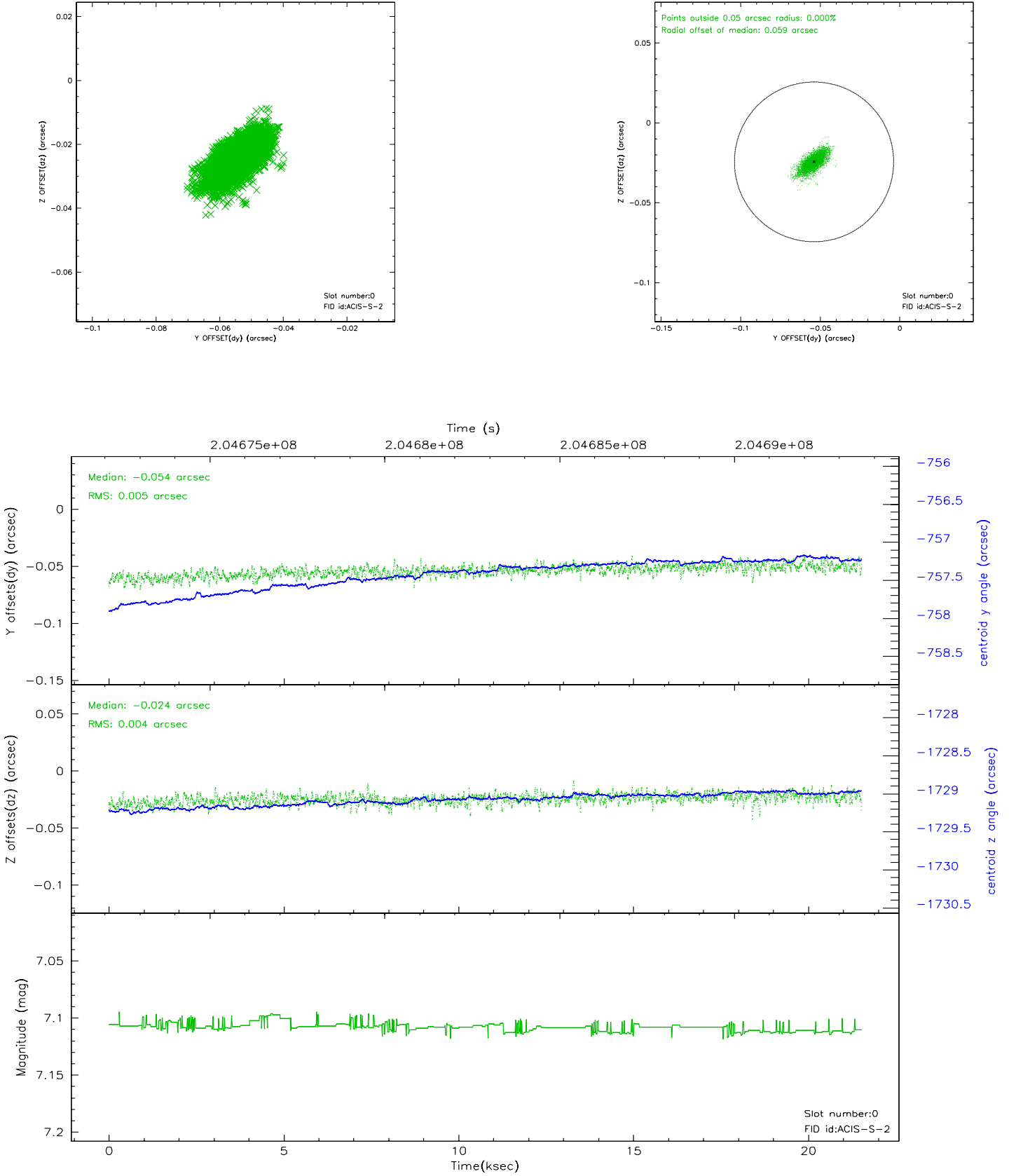


2.4.5 Slot 7

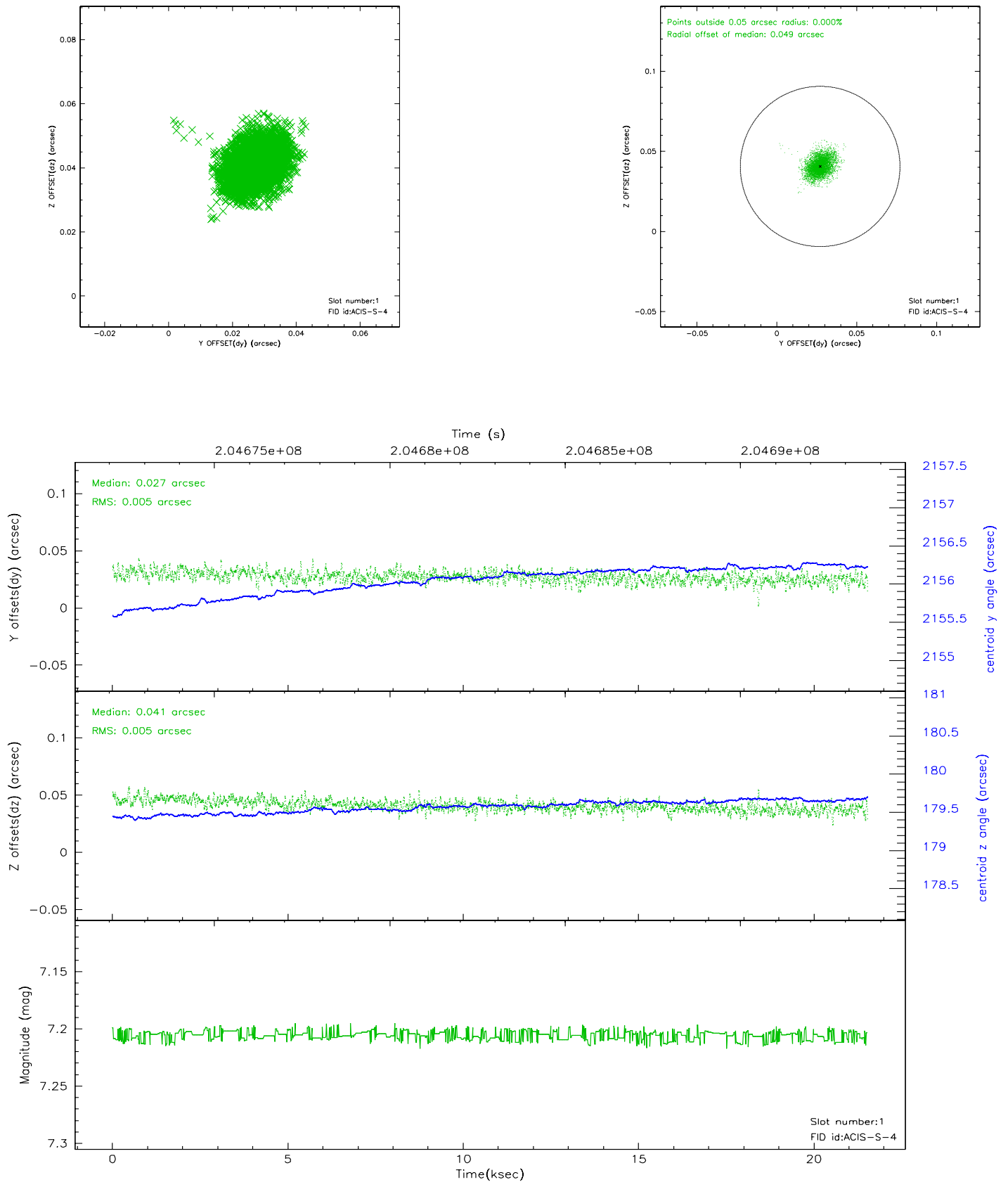


2.5 FID Slots

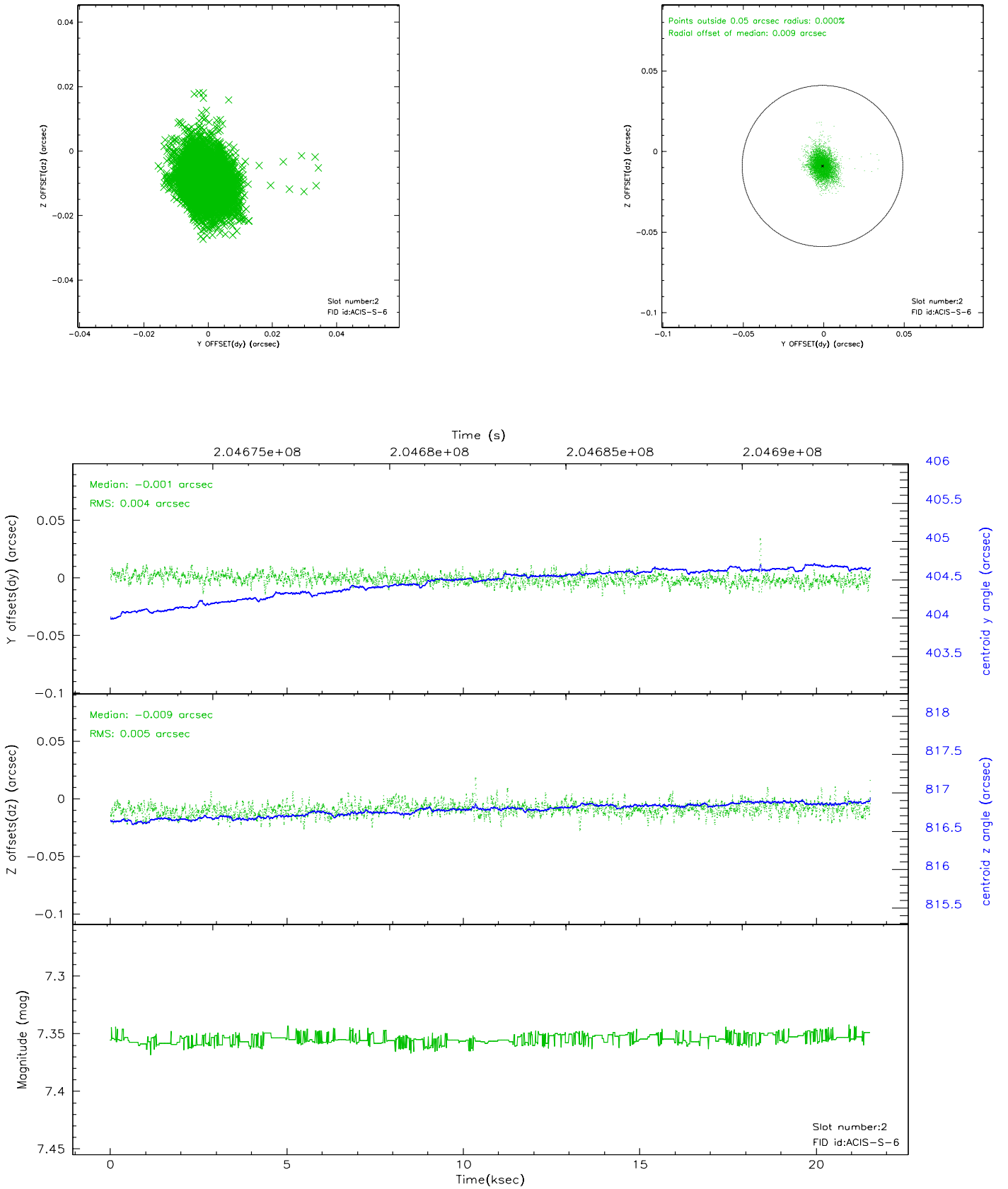
2.5.1 Slot 0



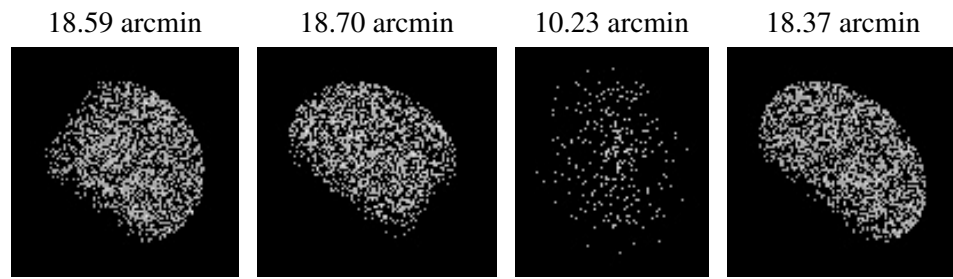
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2006.05.24 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 21.02 |

A.2 Comments