

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6332 - L2 Version 002
Chandra X-Ray Center

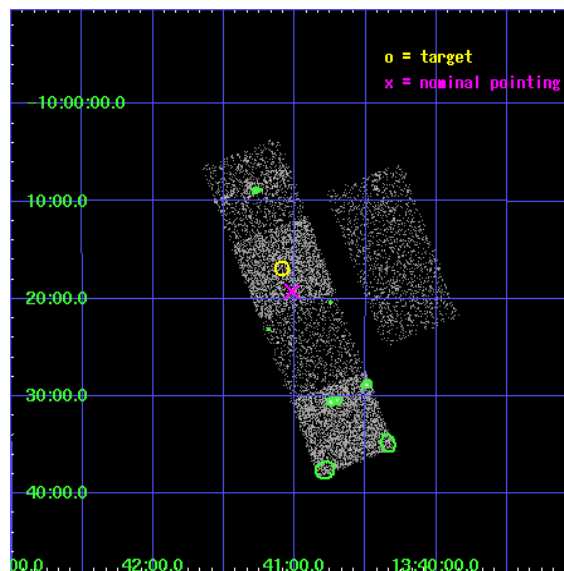
L2 Processing Date : Mar 14 2006

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1 Front

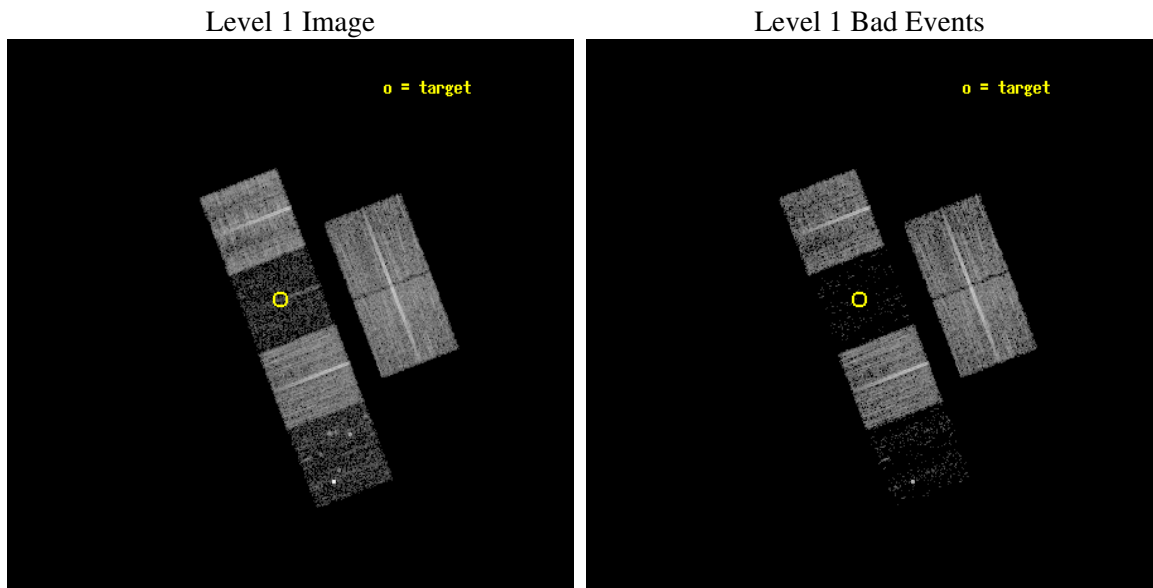
| | |
|----------|--|
| seq_num | 100055 |
| obs_id | 6332 |
| title | Comet 9P/Tempel 1 During the Deep Impact Encounter |
| observer | Dr. Carey Lisse |
| object | 9P/Tempel 1 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 205.272362 |
| dec_targ | -10.281762 |
| ra_nom | 205.2551123577 |
| dec_nom | -10.321116225224 |
| roll_nom | 249.05970747634 |
| revision | 2 |
| ontime | 8079.9999698997 |
| livetime | 7977.6861450889 |
| ontime2 | 8079.9999698997 |
| ontime3 | 8079.9999698997 |
| ontime5 | 8079.9999698997 |
| ontime6 | 8079.9999698997 |
| ontime7 | 8079.9999698997 |
| ontime8 | 8079.9999698997 |
| l2events | 11730 |



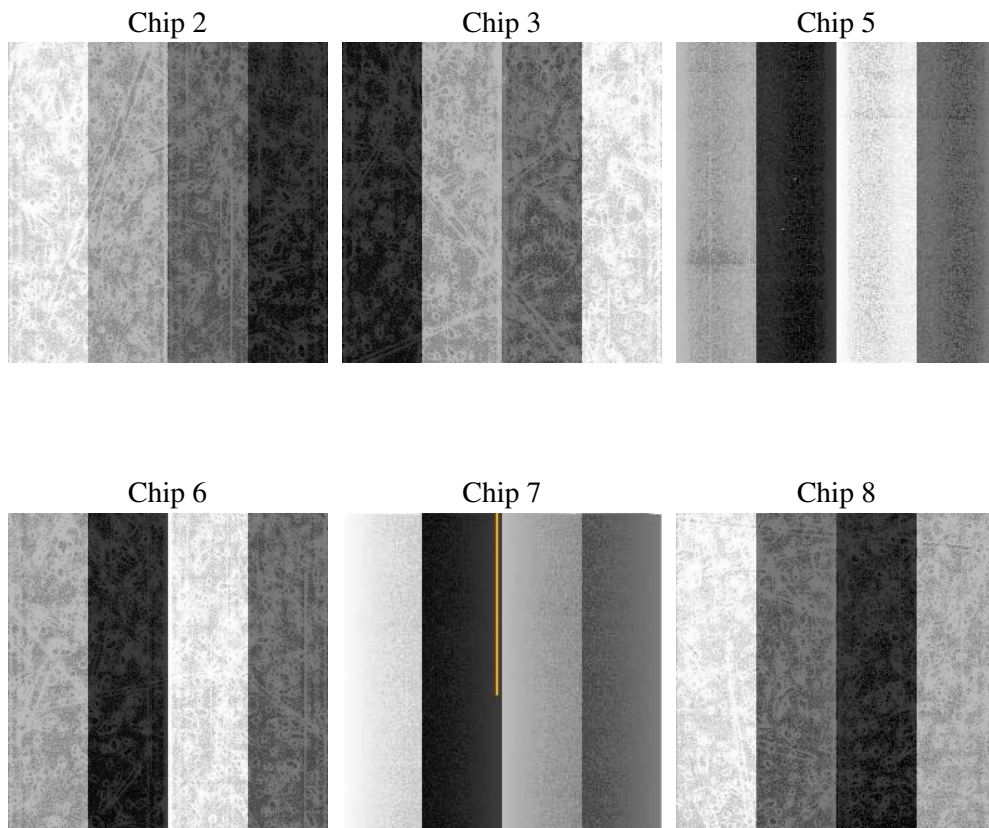
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7.1 |
| caldbver | 3.2.1 |
| date | 2006-03-14T09:10:56 |
| revision | 2 |

| | |
|----------------|------------------|
| sched_exp_time | 7900.000000 |
| ontime | 8407.1624444723 |
| ontime2 | 8410.40344446776 |
| ontime3 | 8407.162474364 |
| ontime5 | 8407.1624444723 |
| ontime6 | 8407.1624444723 |
| ontime7 | 8407.1624444723 |
| ontime8 | 8407.1624444723 |
| l1events | 172530 |

2.1.4 Events

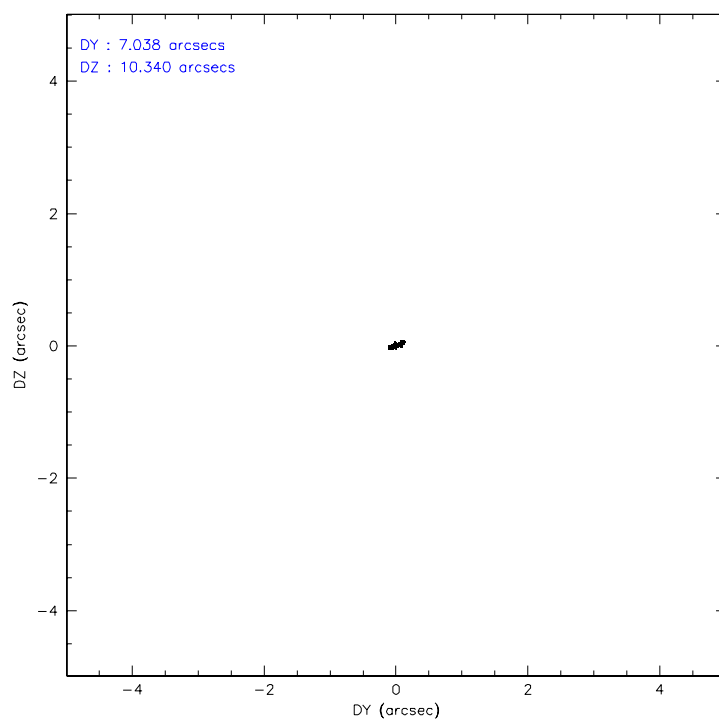
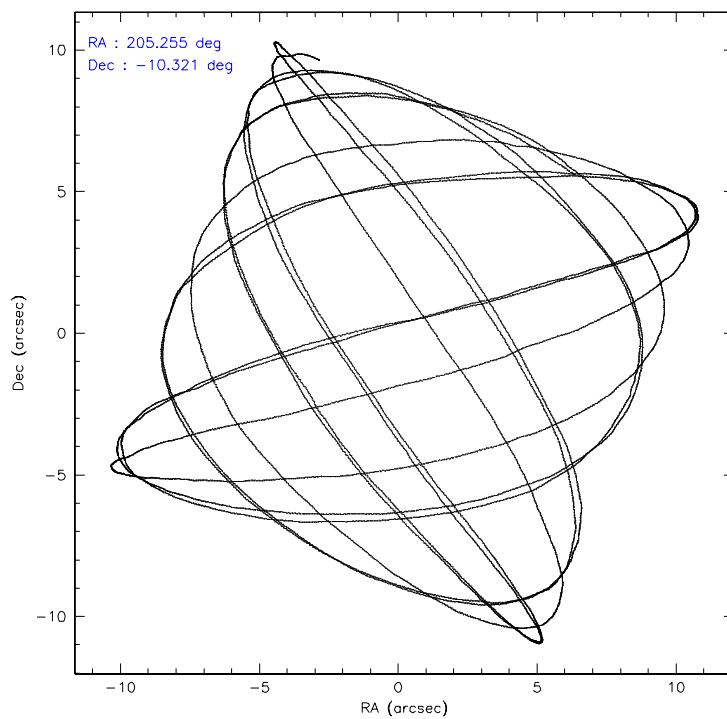
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|-----------------|-------|-------|-------|-------|-------|-------|
| level 1 events | 42997 | 34914 | 9043 | 38740 | 4912 | 41924 |
| rejected events | 41315 | 33695 | 2782 | 37137 | 1249 | 31977 |
| rejected % | 96% | 96% | 30% | 95% | 25% | 76% |

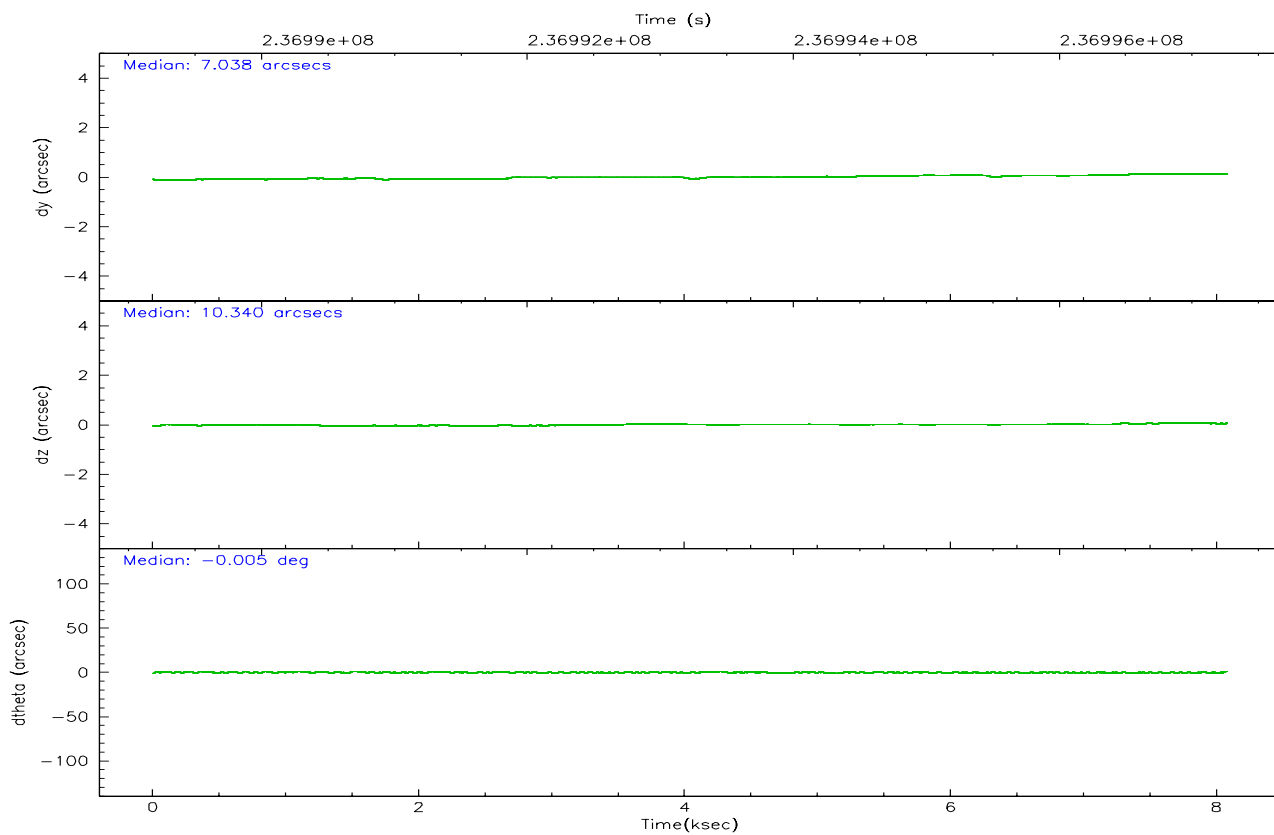
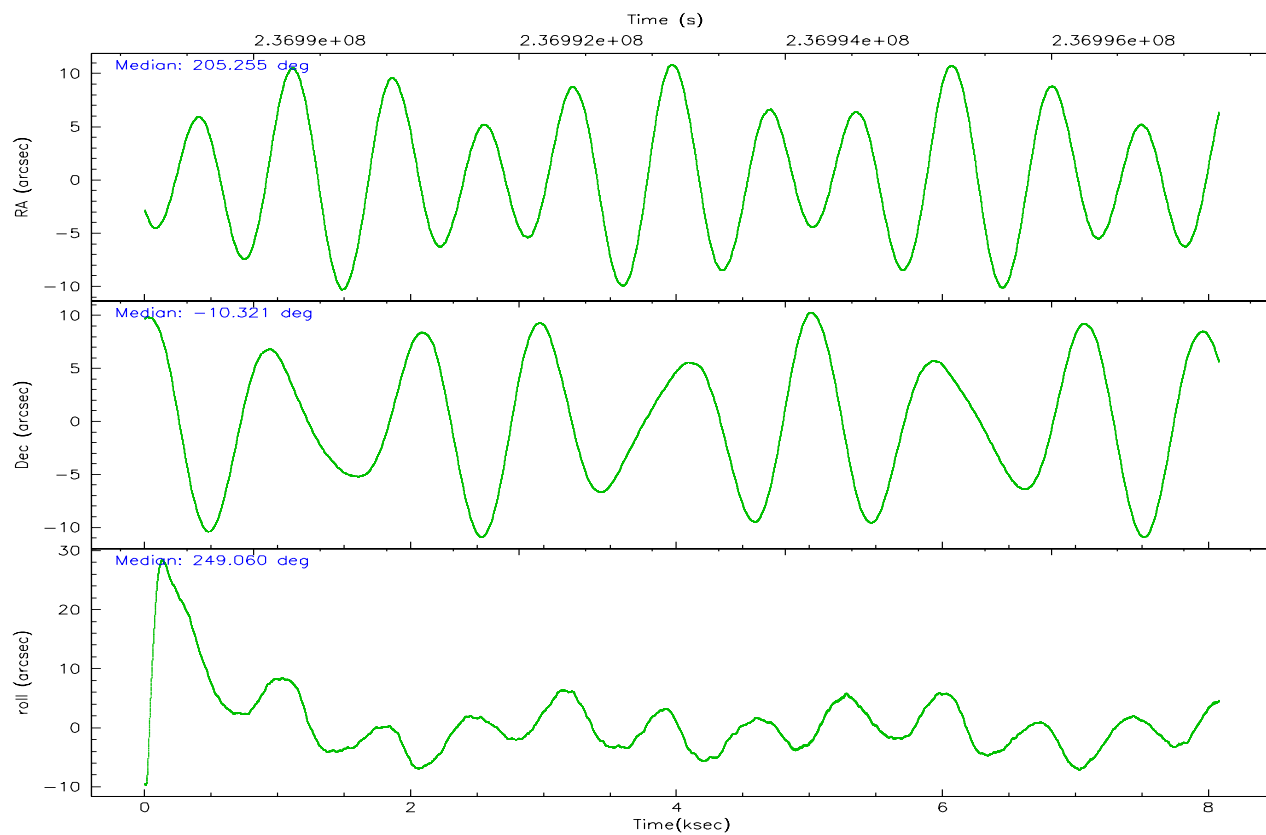
| | ccd 2 | ccd 3 | ccd 5 | ccd 6 | ccd 7 | ccd 8 |
|----------------|-------|-------|-------|-------|-------|-------|
| grade 0 events | 729 | 572 | 1749 | 770 | 882 | 2864 |
| | 1% | 1% | 19% | 1% | 17% | 6% |
| grade 1 events | 9 | 7 | 360 | 6 | 20 | 30 |
| | 0% | 0% | 3% | 0% | 0% | 0% |
| grade 2 events | 365 | 151 | 3090 | 321 | 1361 | 2349 |
| | 0% | 0% | 34% | 0% | 27% | 5% |
| grade 3 events | 230 | 234 | 543 | 247 | 541 | 1227 |
| | 0% | 0% | 6% | 0% | 11% | 2% |
| grade 4 events | 256 | 204 | 566 | 219 | 531 | 1098 |
| | 0% | 0% | 6% | 0% | 10% | 2% |
| grade 5 events | 55 | 30 | 324 | 30 | 124 | 197 |
| | 0% | 0% | 3% | 0% | 2% | 0% |
| grade 6 events | 171 | 103 | 590 | 113 | 496 | 2873 |
| | 0% | 0% | 6% | 0% | 10% | 6% |
| grade 7 events | 41182 | 33613 | 1821 | 37034 | 957 | 31286 |
| | 95% | 96% | 20% | 95% | 19% | 74% |

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 | 205.250405 | 205.2551123576969 | Alternating exposures requested | N | N |
| Pointing Dec | -10.294331 | -10.32111622522354 | Primary exposure time | 0.000000 | 3.2 |
| Pointing Roll | 248.902249 | 249.0597074763444 | | | |
| Window start time | 236966464.184000 | 236966464.184000 | | | |
| Window stop time | 237031264.184000 | 237031264.184000 | | | |
| 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 | 236989366.184000 | 236988990.32894 | | | |
| Observation start date | 2005-07-05T22:21:42 | 2005-07-05T22:16:30 | | | |
| Observation end time | 236997266.184000 | 236997400.45432 | | | |
| Observation end date | 2005-07-06T00:33:22 | 2005-07-06T00:36:40 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



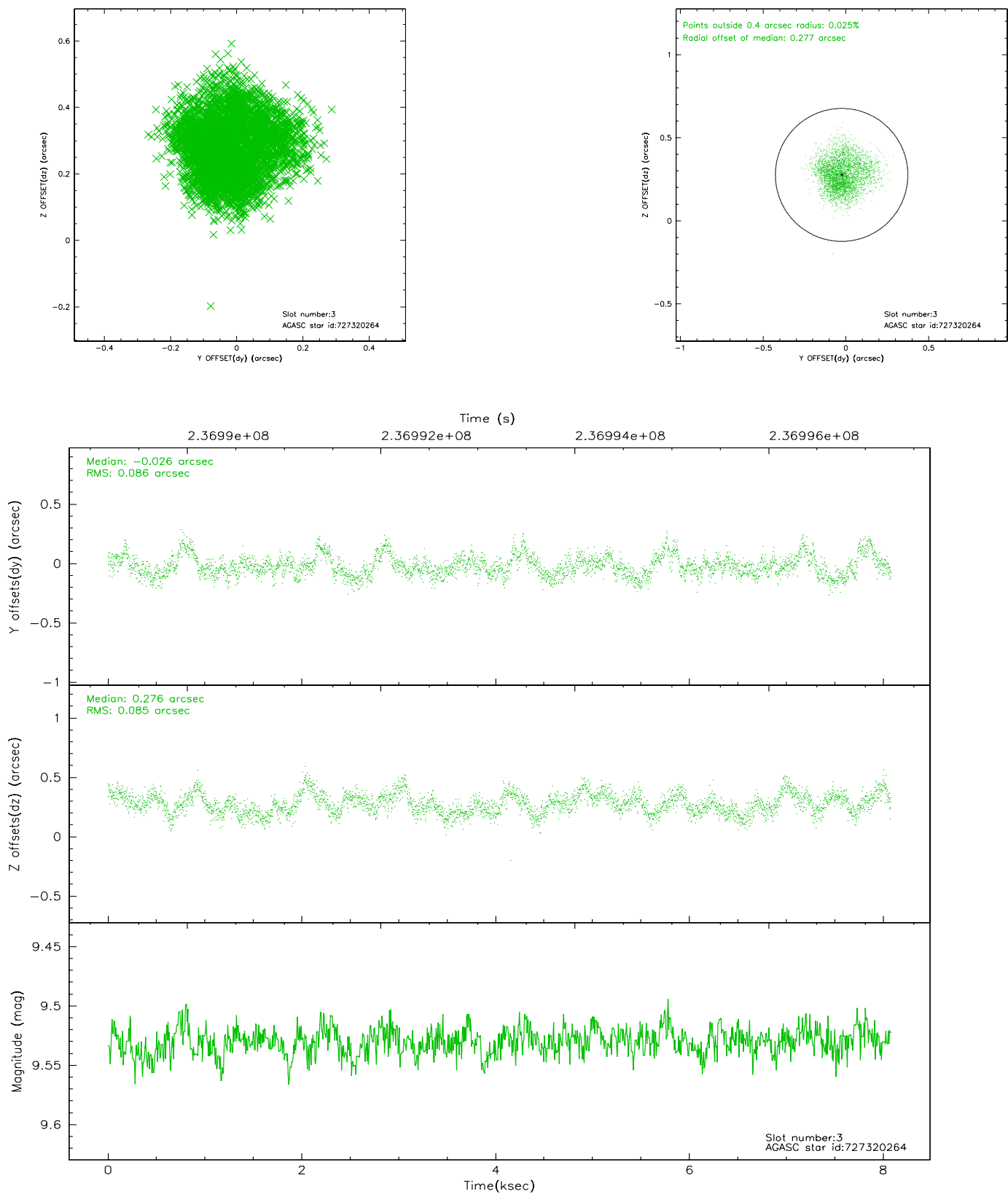


Slot Statistics

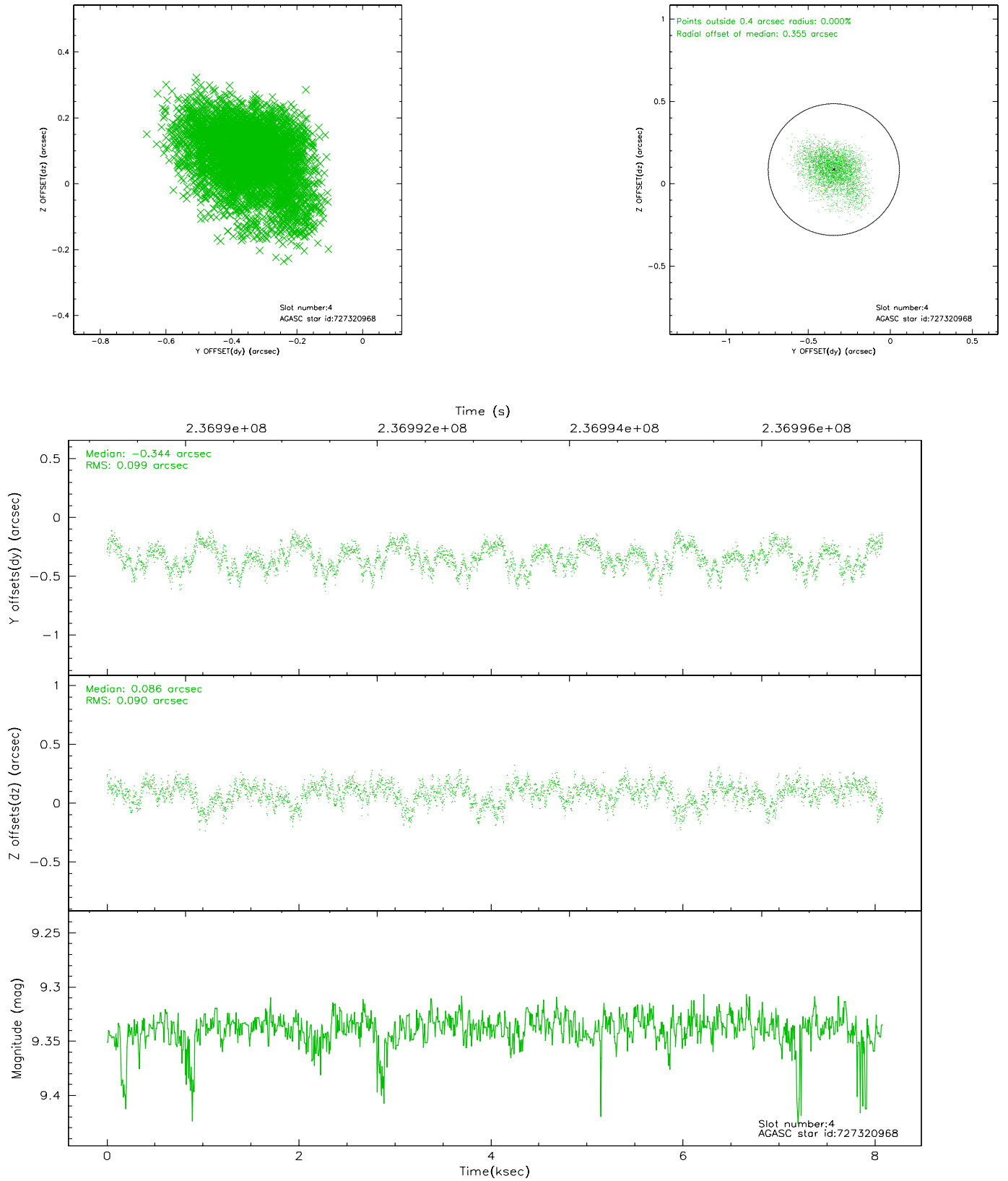
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|-------|-------|--------|--------|-------|-------|------------|------------|----------|----------|
| 0 | FID | ACIS-S-2 | 7.10 | 1971 | -0.051 | -0.004 | 0.006 | 0.010 | 0.000000 | 0.000000 | -759.80 | -1731.62 |
| 1 | FID | ACIS-S-4 | 7.21 | 1971 | 0.070 | 0.026 | 0.004 | 0.008 | 0.000000 | 0.000000 | 2153.24 | 176.24 |
| 2 | FID | ACIS-S-5 | 7.23 | 1971 | -0.050 | -0.013 | 0.006 | 0.010 | 0.000000 | 0.000000 | -1811.79 | 170.57 |
| 3 | GUIDE | 727320264 | 9.53 | 3941 | -0.026 | 0.276 | 0.131 | 0.202 | 205.464326 | -10.871323 | 1666.20 | 1454.05 |
| 4 | GUIDE | 727320968 | 9.34 | 3939 | -0.344 | 0.086 | 0.143 | 0.236 | 205.790359 | -10.593418 | 318.59 | 2171.51 |
| 5 | GUIDE | 727321088 | 9.45 | 3935 | 0.380 | -0.599 | 0.110 | 0.172 | 204.964296 | -10.686432 | 1682.35 | -435.83 |
| 6 | GUIDE | 727321928 | 10.09 | 3937 | -0.047 | 0.146 | 0.167 | 0.264 | 205.258401 | -10.105722 | -643.12 | -217.65 |
| 7 | GUIDE | 726937296 | 9.88 | 3941 | 0.042 | 0.090 | 0.184 | 0.292 | 205.957534 | -9.863016 | -2348.86 | 1782.43 |

2.4 Star Slots

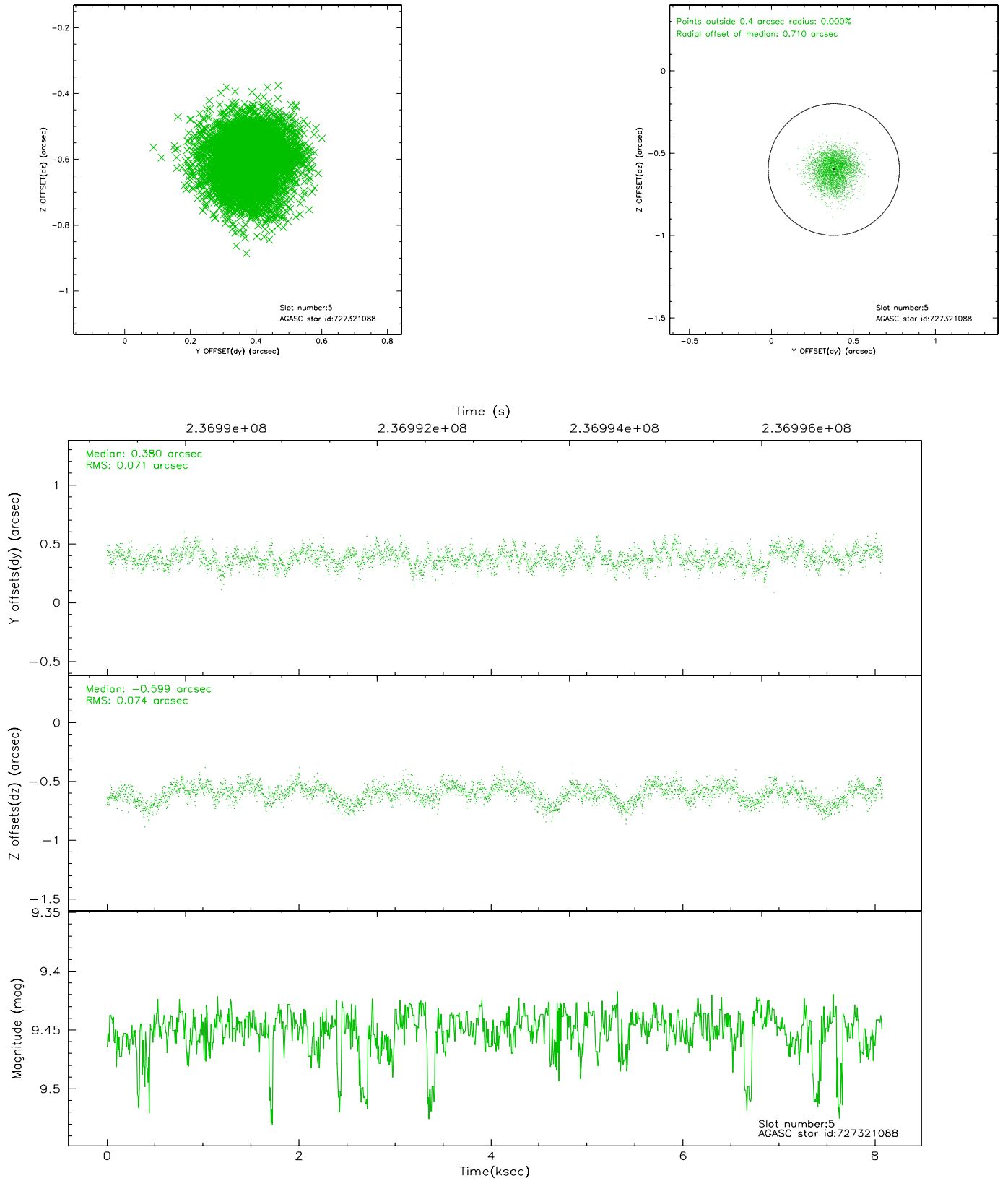
2.4.1 Slot 3



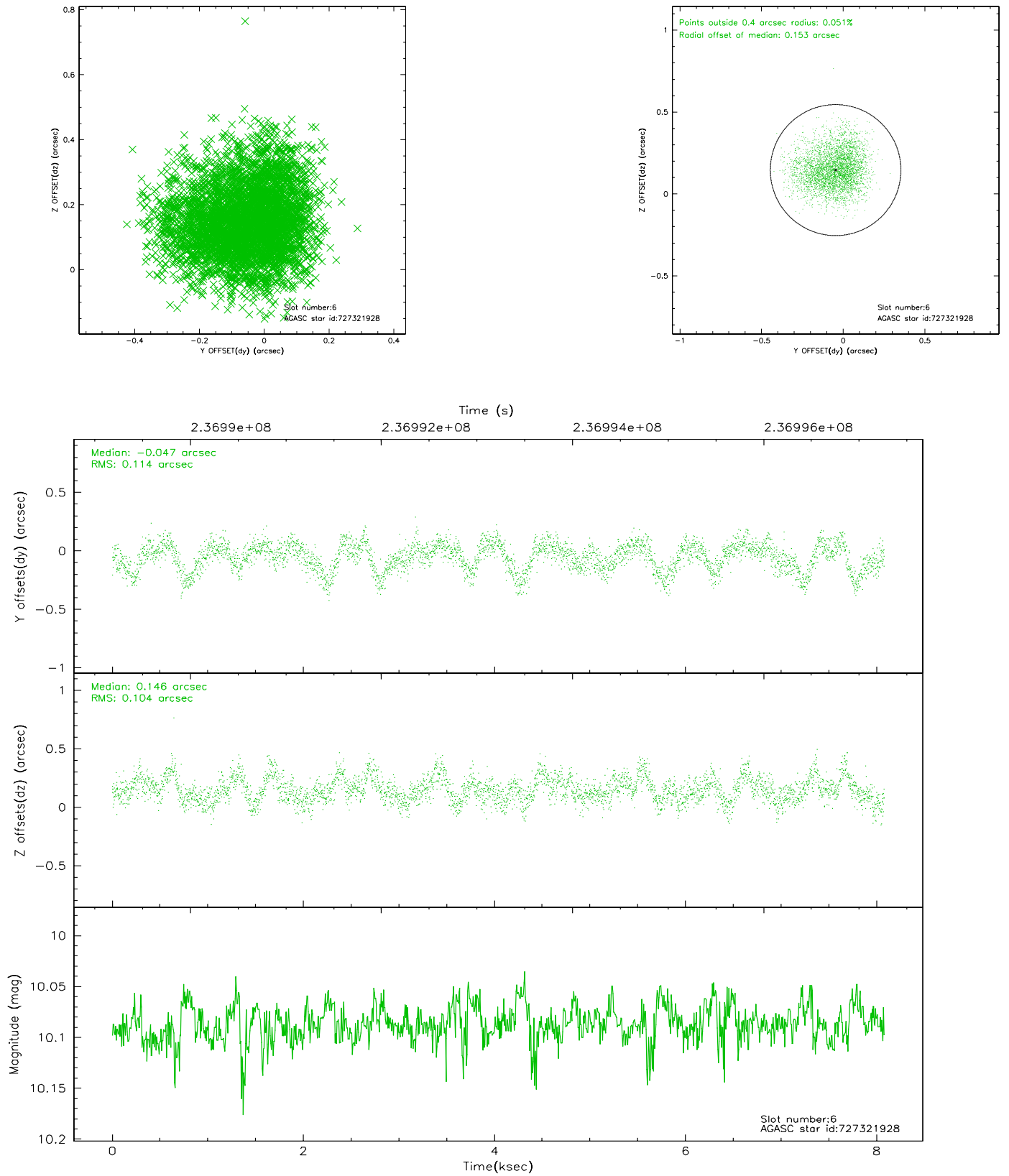
2.4.2 Slot 4



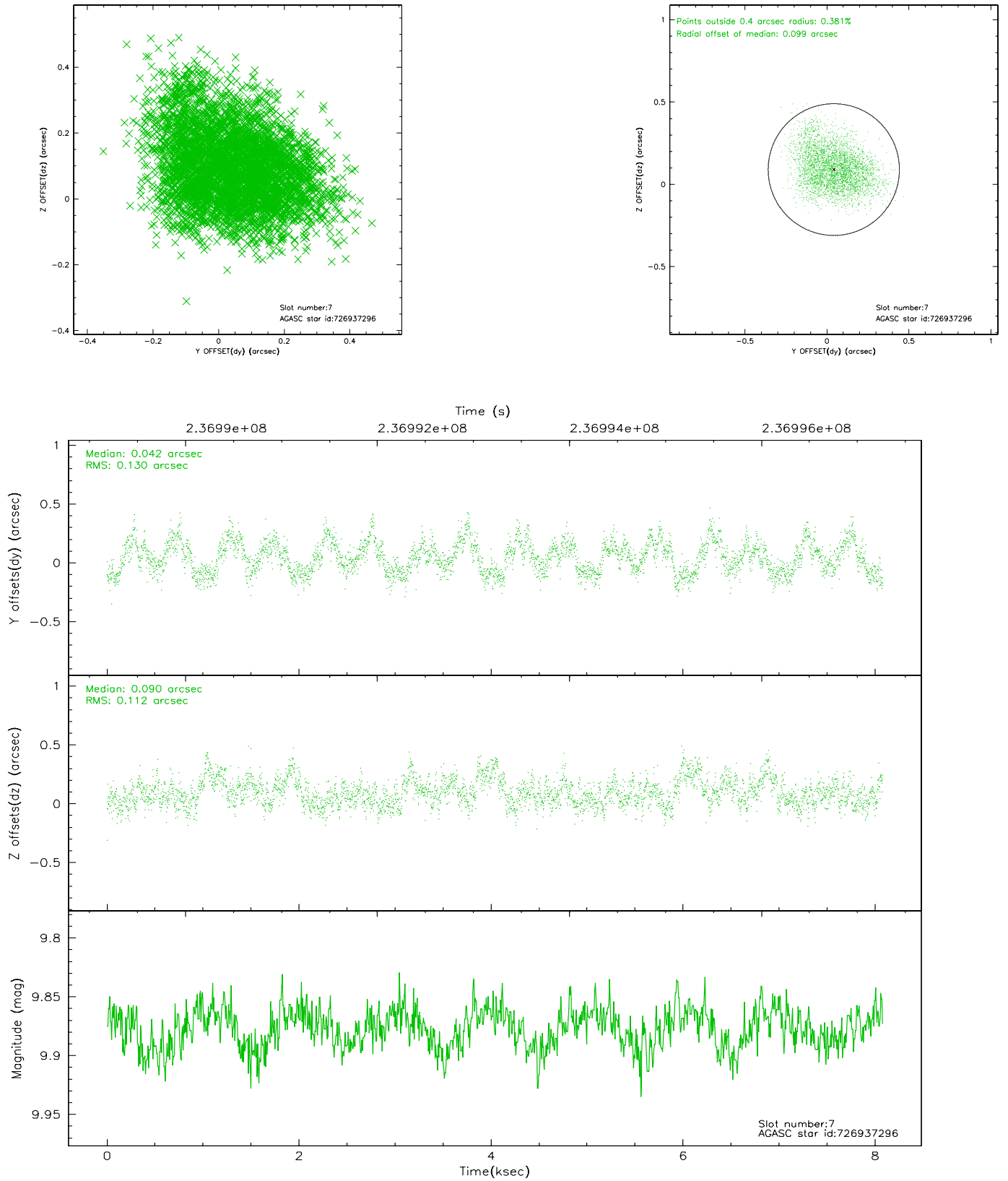
2.4.3 Slot 5



2.4.4 Slot 6

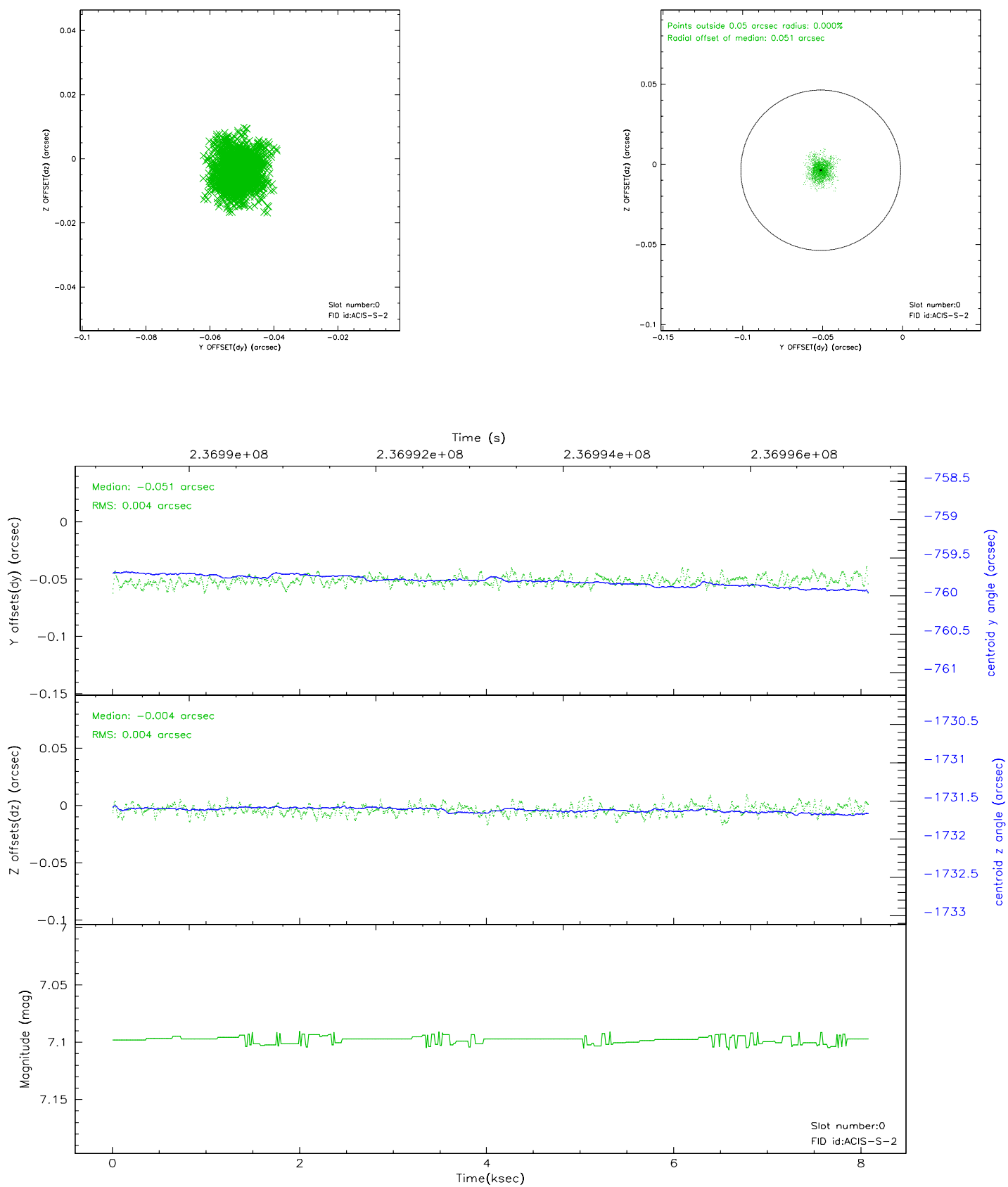


2.4.5 Slot 7

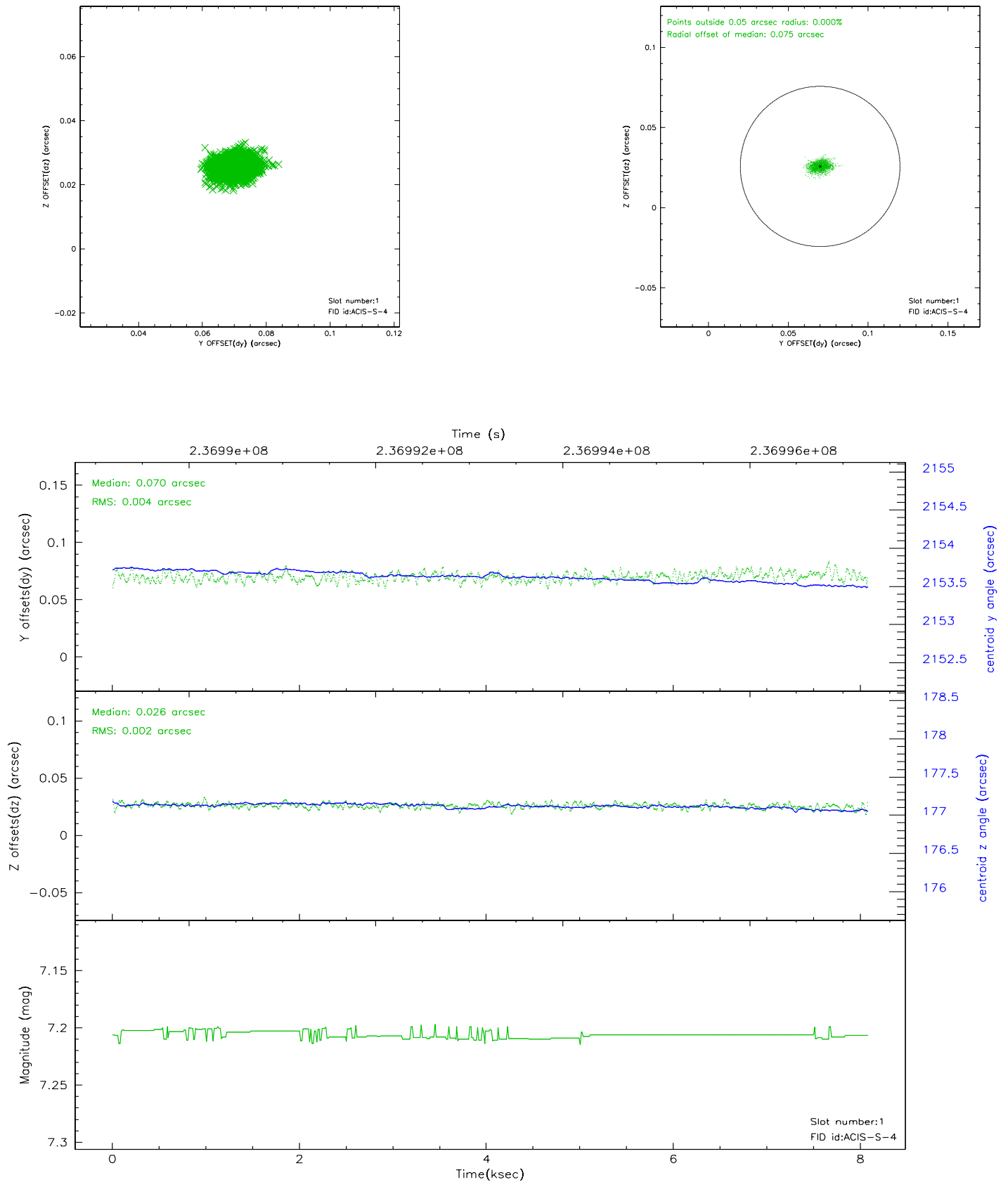


2.5 FID Slots

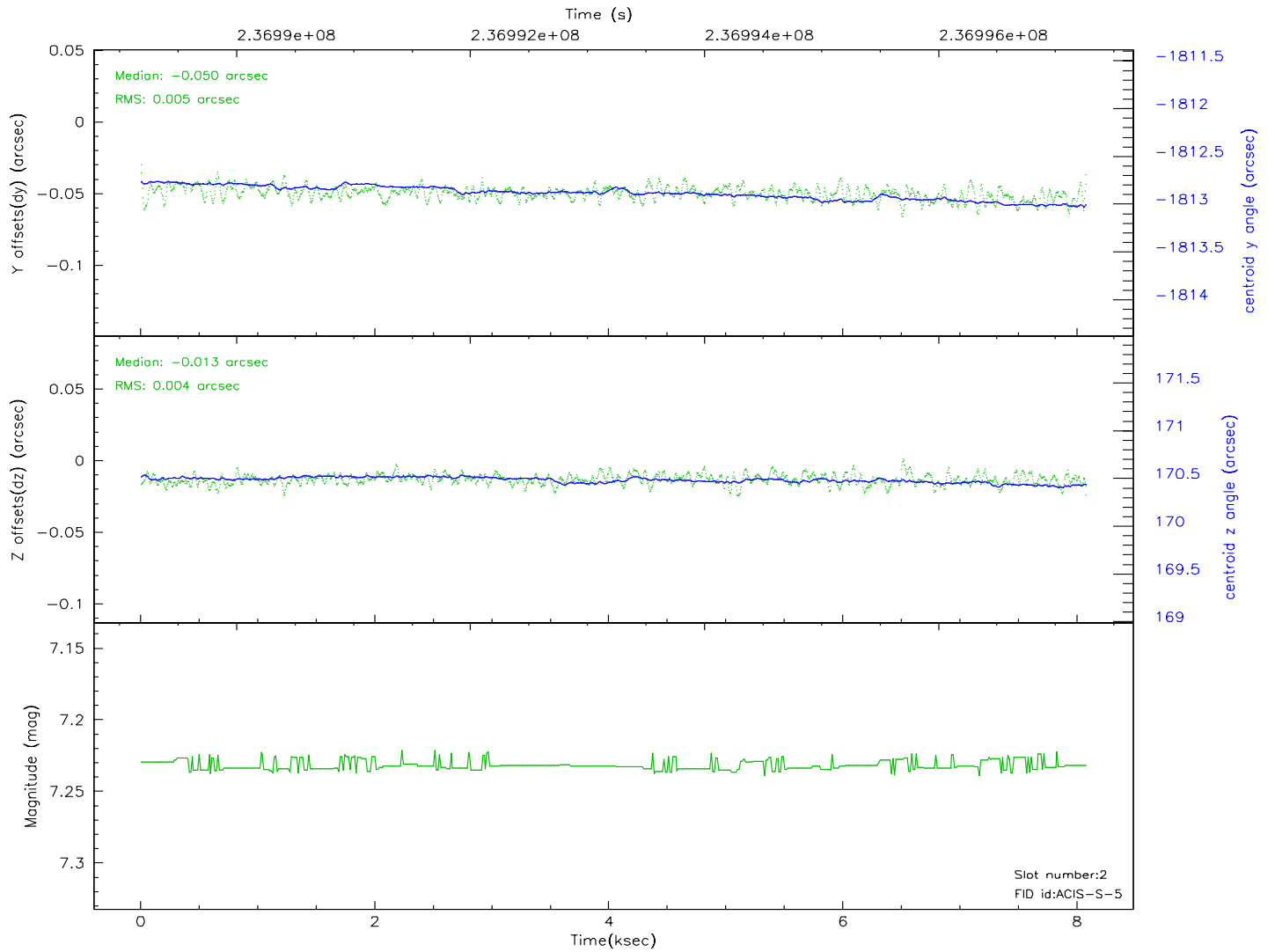
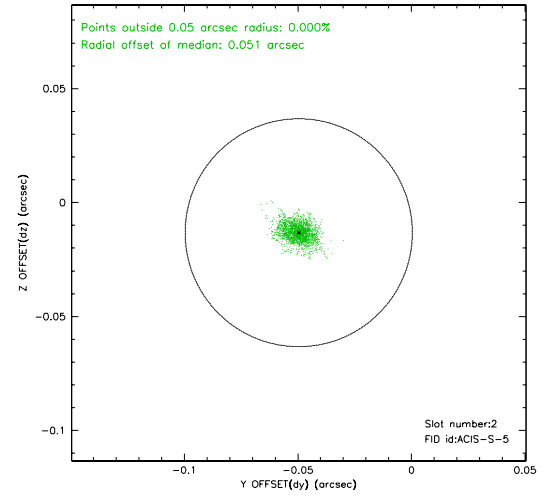
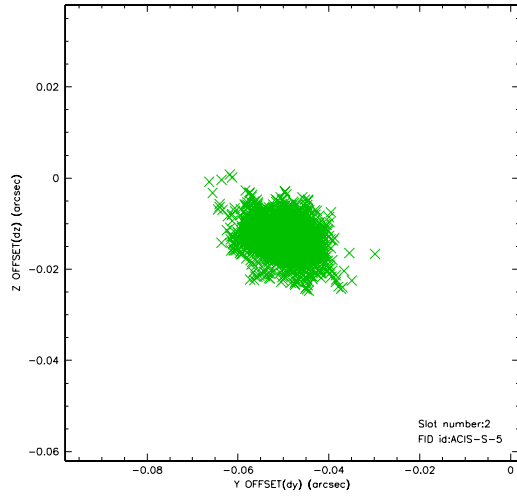
2.5.1 Slot 0



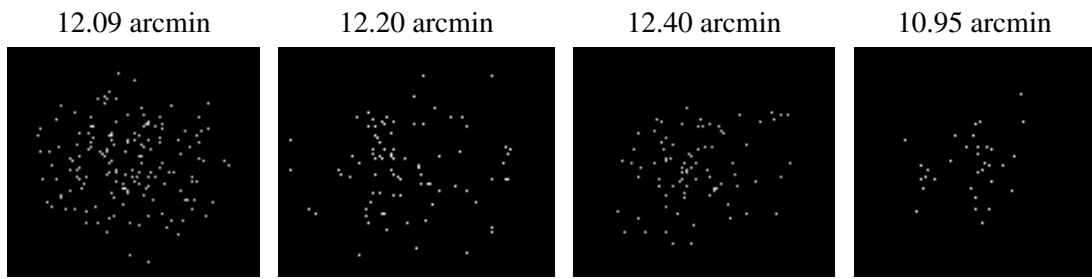
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.03.14 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 8.079999 |

A.2 Comments

Window constraint met.