

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4874 - L2 Version 001
Chandra X-Ray Center

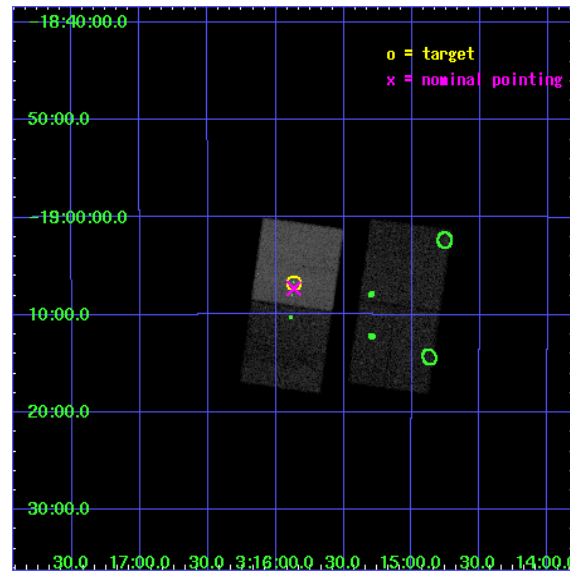
L2 Processing Date : Jun 2 2006

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1 Front

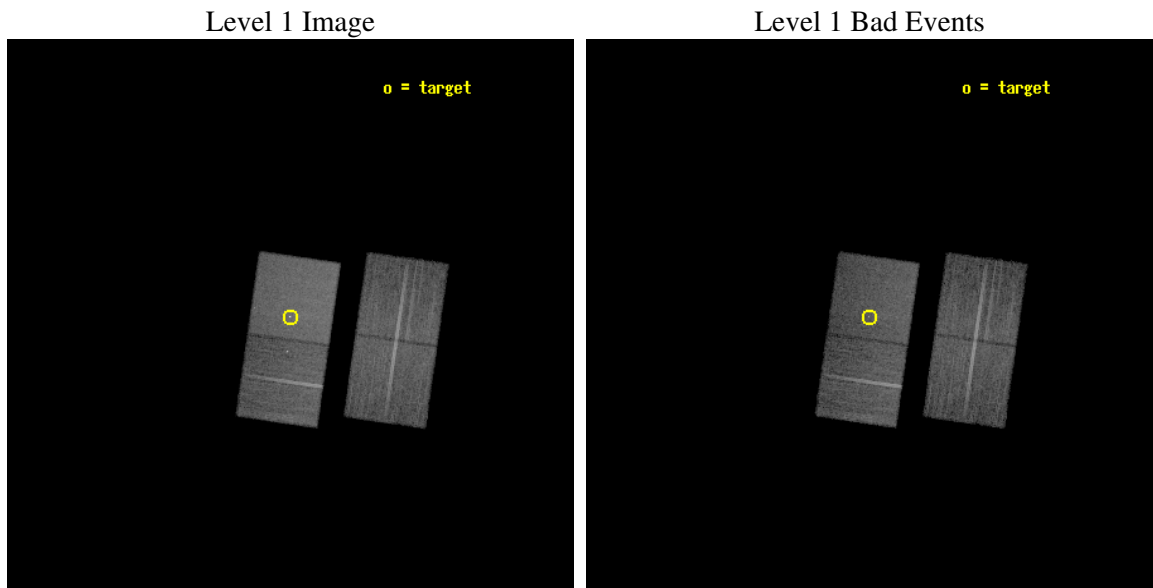
| | |
|----------|---|
| seq_num | 700956 |
| obs_id | 4874 |
| title | The Nucleus and Environment of a Spiral Galaxy with a Double Radio Source |
| observer | Dr. William Keel |
| object | 0313-192 |
| dtcycle | 0 |
| cycle | P |
| ra_targ | 48.967083 |
| dec_targ | -19.112333 |
| ra_nom | 48.966756461523 |
| dec_nom | -19.121970728868 |
| roll_nom | 278.23870042605 |
| revision | 2 |
| ontime | 19167.299963146 |
| livetime | 18916.865078367 |
| ontime2 | 19167.299963146 |
| ontime3 | 19164.1590029 |
| ontime6 | 19167.299963146 |
| ontime7 | 19167.299963146 |
| l2events | 104044 |



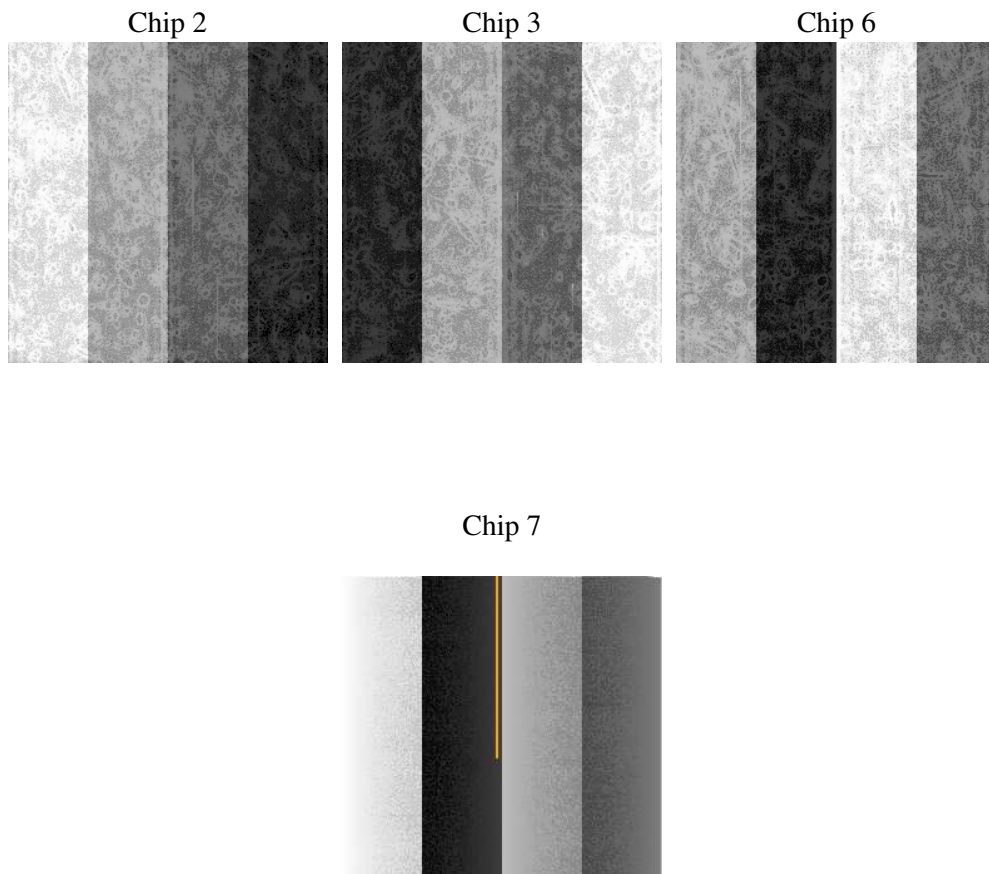
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.7.2 |
| caldbver | 3.2.2 |
| date | 2006-06-02T13:14:51 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 19000.000000 |
| ontime | 20837.421551526 |
| ontime2 | 20837.421531618 |
| ontime3 | 20834.280571371 |
| ontime6 | 20837.421531618 |
| ontime7 | 20837.421551526 |
| l1events | 588300 |

2.1.4 Events

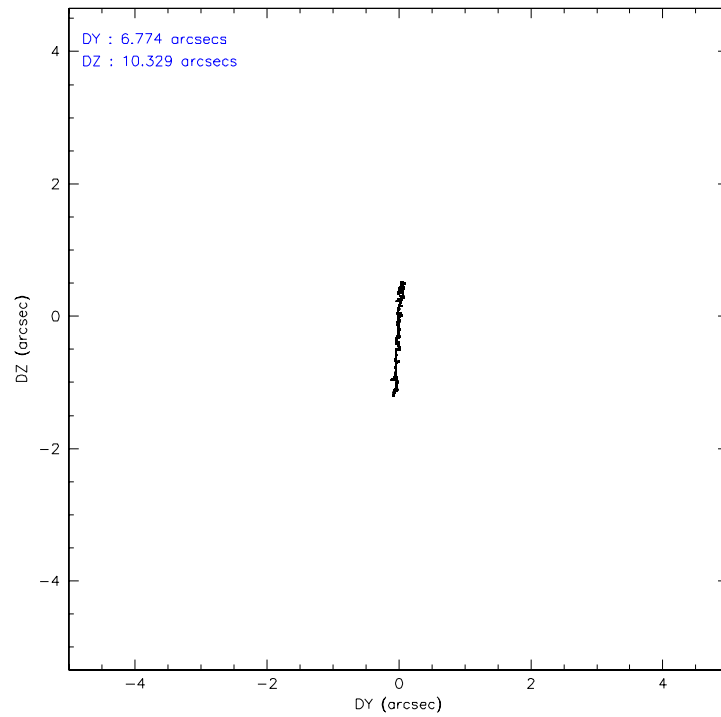
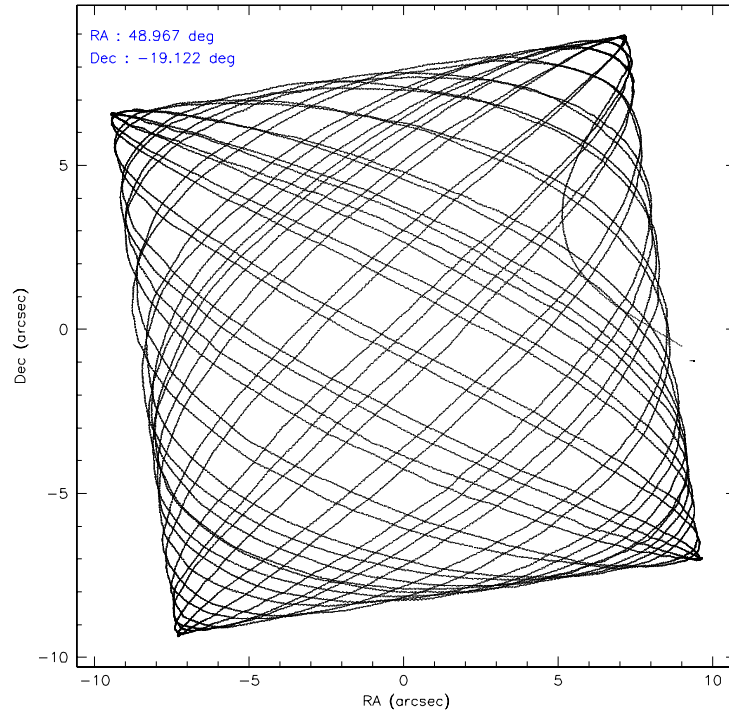
| | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|-----------------|--------------|--------------|--------------|--------------|
| level 1 events | 132477 | 131687 | 137978 | 186158 |
| rejected events | 117765 | 117250 | 122820 | 119562 |
| rejected % | 88% | 89% | 89% | 64% |

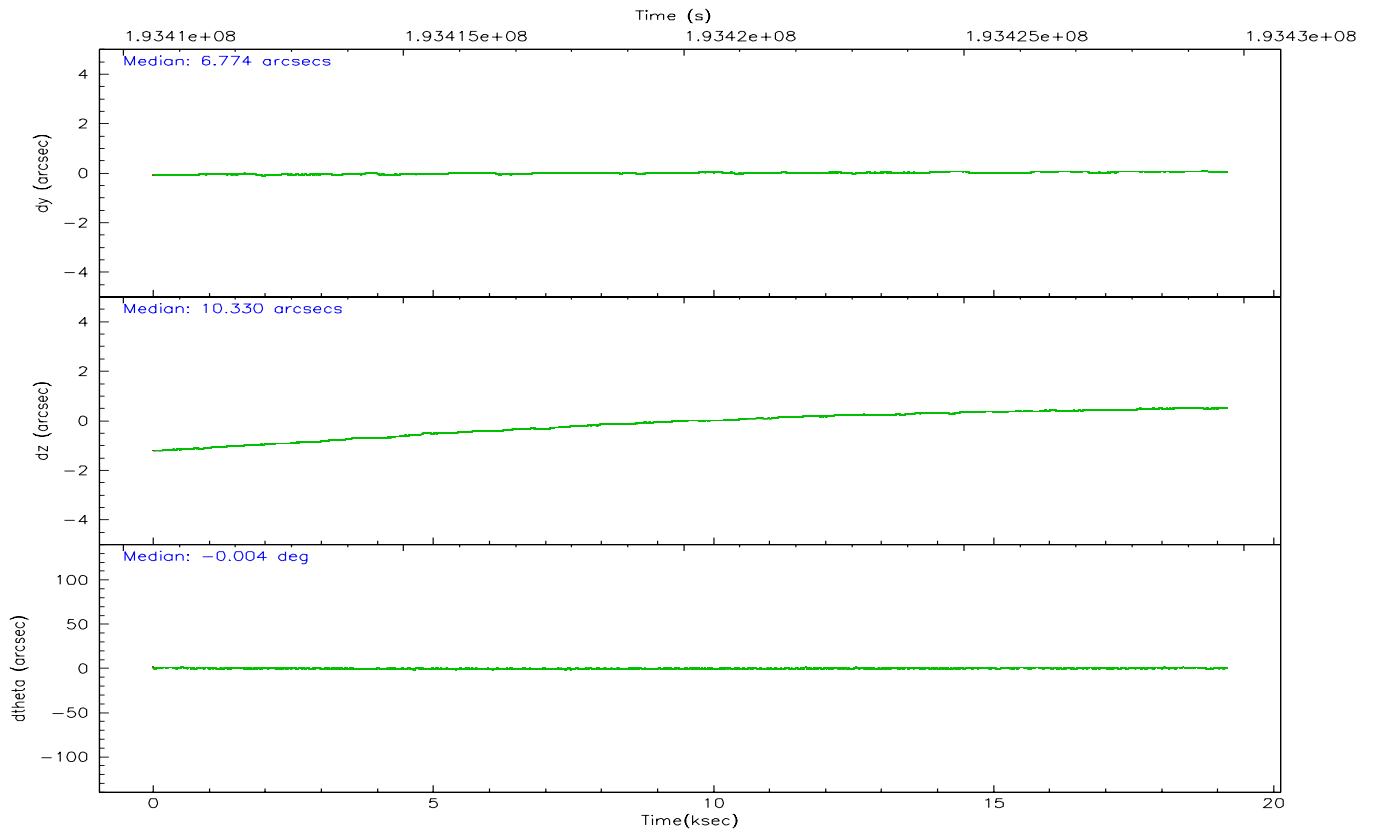
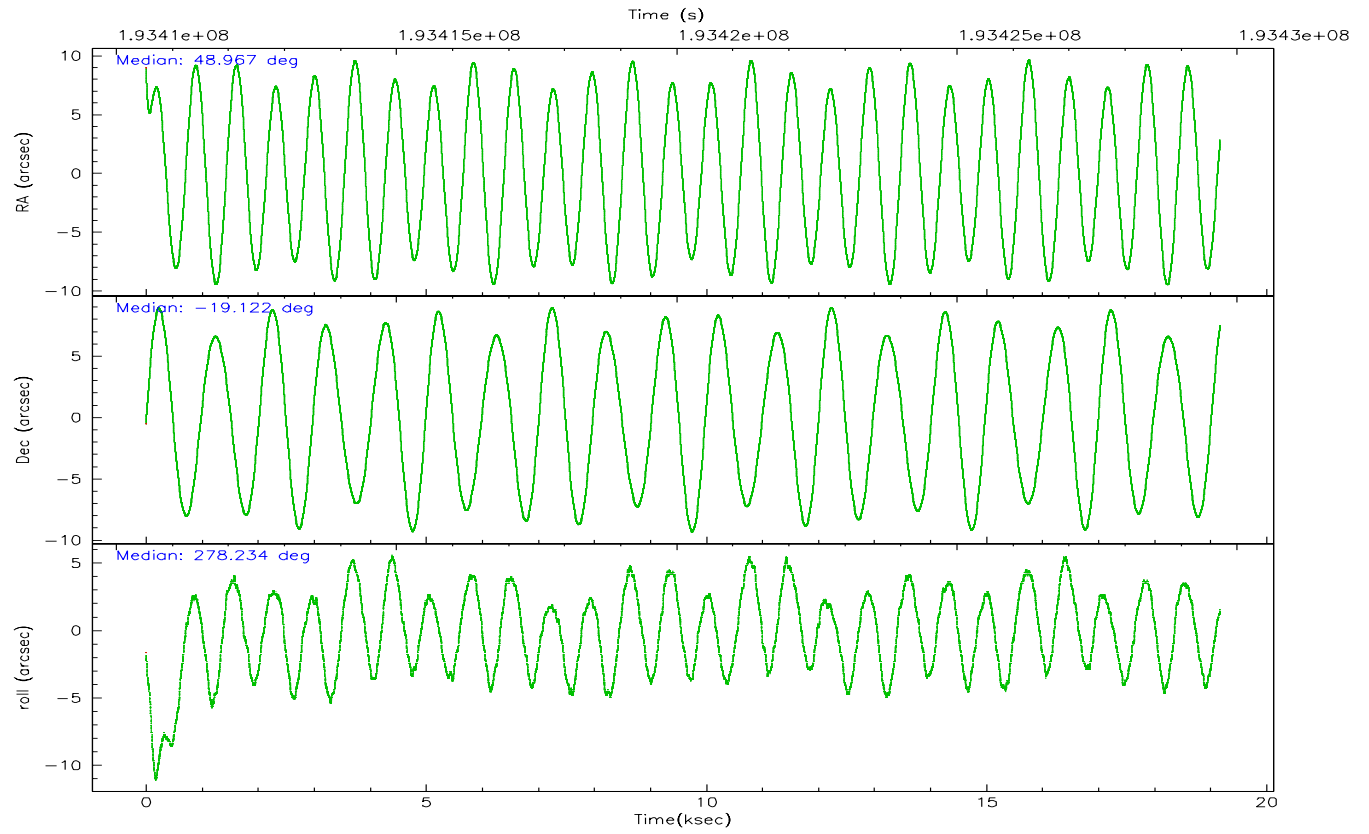
| | ccd 2 | ccd 3 | ccd 6 | ccd 7 |
|----------------|--------------|--------------|--------------|--------------|
| grade 0 events | 7105 | 6847 | 6681 | 4463 |
| | 5% | 5% | 4% | 2% |
| grade 1 events | 80 | 89 | 63 | 97 |
| | 0% | 0% | 0% | 0% |
| grade 2 events | 3208 | 3032 | 3362 | 17871 |
| | 2% | 2% | 2% | 9% |
| grade 3 events | 1560 | 1506 | 1622 | 3719 |
| | 1% | 1% | 1% | 1% |
| grade 4 events | 1550 | 1552 | 1562 | 3692 |
| | 1% | 1% | 1% | 1% |
| grade 5 events | 5304 | 5869 | 6281 | 12410 |
| | 4% | 4% | 4% | 6% |
| grade 6 events | 2550 | 2736 | 3258 | 42519 |
| | 1% | 2% | 2% | 22% |
| grade 7 events | 111120 | 110056 | 115149 | 101387 |
| | 83% | 83% | 83% | 54% |

2.2 Compared Parameters

| Parameter | Planned | Actual | Parameter | Planned | Actual |
|-----------------------------------|---------------------|----------------------|---------------------------------|-----------|---------|
| Instrument | ACIS | ACIS | Obspar format version number | 6 | 6 |
| Detector | ACIS-2367 | ACIS-2367 | Obspar file type | PREDICTED | ACTUAL |
| Grating | NONE | NONE | Obspar update status | NONE | UPDATED |
| Data mode | FAINT | FAINT | On-chip summing requested | N | N |
| Observation mode | POINTING | POINTING | Subarray requested | NONE | NONE |
| Pointing RA | 48.948613 | 48.96675646152305 | Alternating exposures requested | N | N |
| Pointing Dec | -19.100839 | -19.1219707288682 | Primary exposure time | 0.000000 | 3.1 |
| Pointing Roll | 278.076133 | 278.2387004260529 | | | |
| 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 | 193410699.184000 | 193408860.93966 | | | |
| Observation start date | 2004-02-17T13:10:35 | 2004-02-17T12:41:00 | | | |
| Observation end time | 193429699.184000 | 193431390.44064 | | | |
| Observation end date | 2004-02-17T18:27:15 | 2004-02-17T18:56:30 | | | |
| Read mode | TIMED | TIMED | | | |

2.3 Aspect



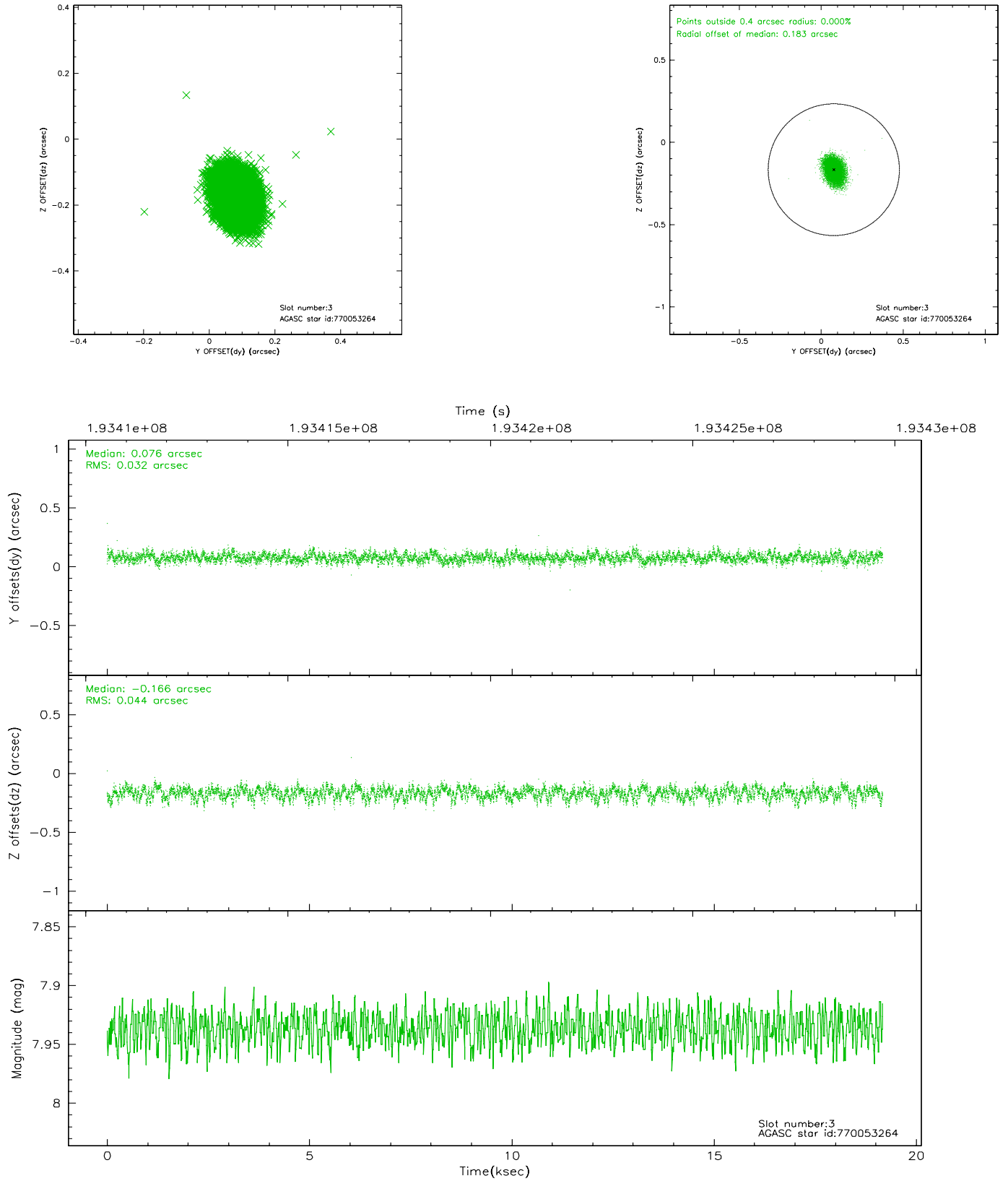


Slot Statistics

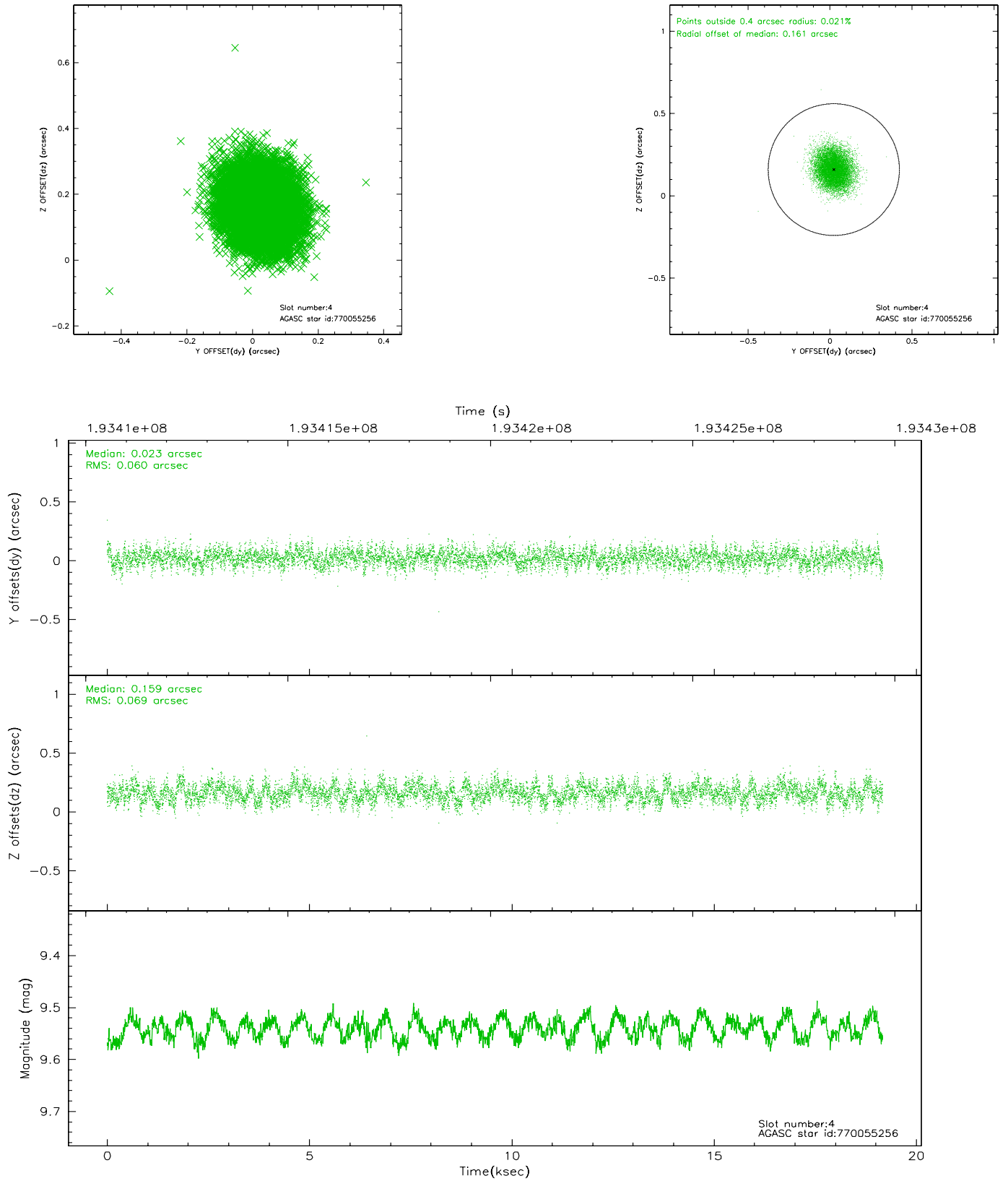
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|-----------|------------|----------|----------|
| 0 | FID | ACIS-S-1 | 7.18 | 4678 | 0.010 | -0.028 | 0.027 | 0.044 | 0.000000 | 0.000000 | 936.50 | -1727.11 |
| 1 | FID | ACIS-S-2 | 7.10 | 4677 | -0.053 | -0.009 | 0.015 | 0.022 | 0.000000 | 0.000000 | -759.36 | -1731.83 |
| 2 | FID | ACIS-S-4 | 7.20 | 4677 | 0.018 | 0.043 | 0.014 | 0.025 | 0.000000 | 0.000000 | 2153.68 | 176.89 |
| 3 | GUIDE | 770053264 | 7.94 | 9353 | 0.076 | -0.166 | 0.058 | 0.094 | 49.018861 | -19.354622 | 938.57 | 108.10 |
| 4 | GUIDE | 770055256 | 9.54 | 9345 | 0.023 | 0.159 | 0.098 | 0.154 | 49.303658 | -19.207345 | 550.88 | 1141.46 |
| 5 | GUIDE | 770054144 | 9.46 | 9339 | 0.116 | 0.103 | 0.114 | 0.188 | 48.909948 | -19.344110 | 849.23 | -252.46 |
| 6 | GUIDE | 770054376 | 8.99 | 9352 | -0.059 | 0.059 | 0.084 | 0.133 | 49.351465 | -18.393938 | -2324.03 | 1720.25 |
| 7 | GUIDE | 770052776 | 9.78 | 9352 | -0.157 | -0.150 | 0.109 | 0.172 | 48.269580 | -18.540662 | -2317.76 | -2011.94 |

2.4 Star Slots

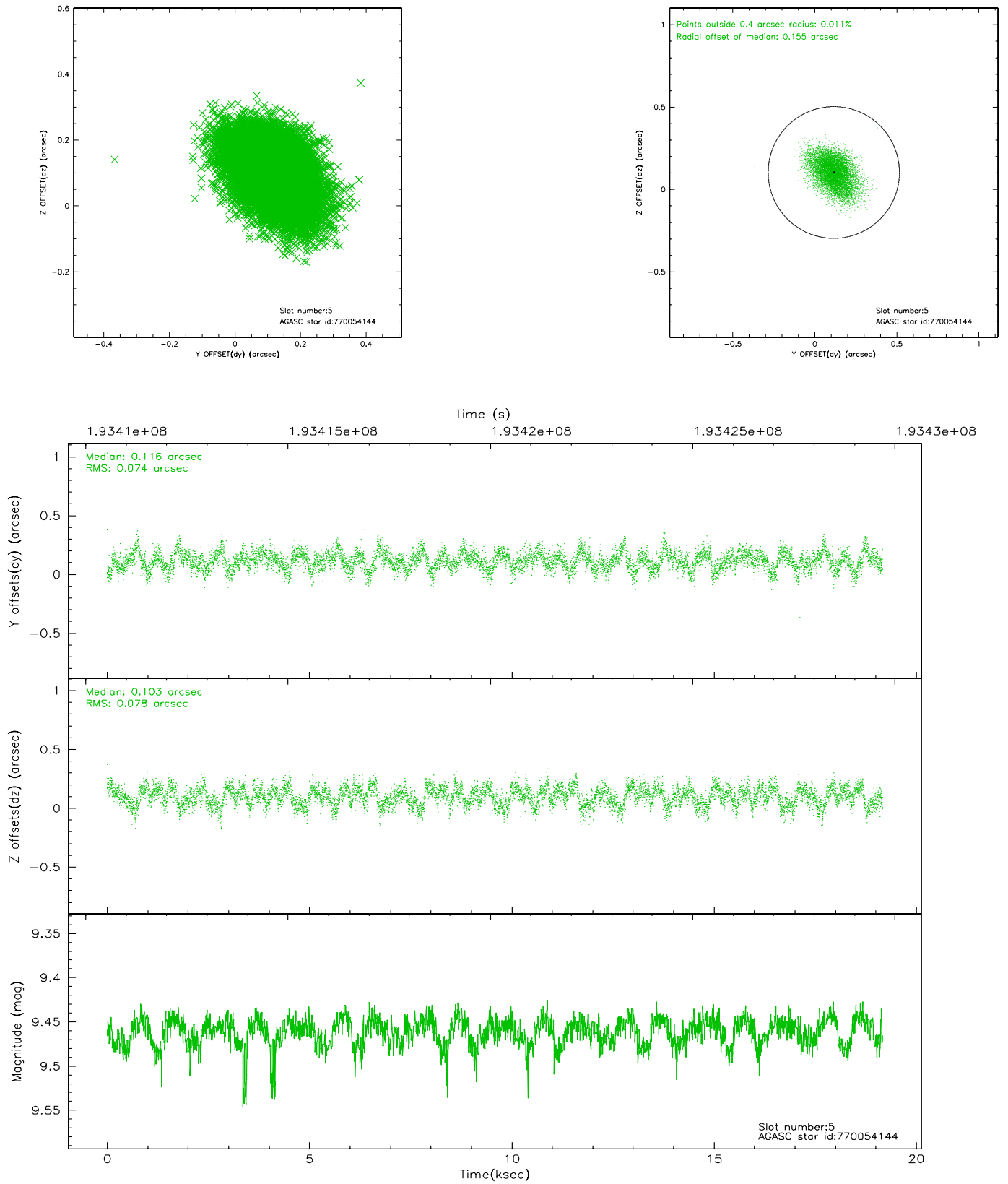
2.4.1 Slot 3



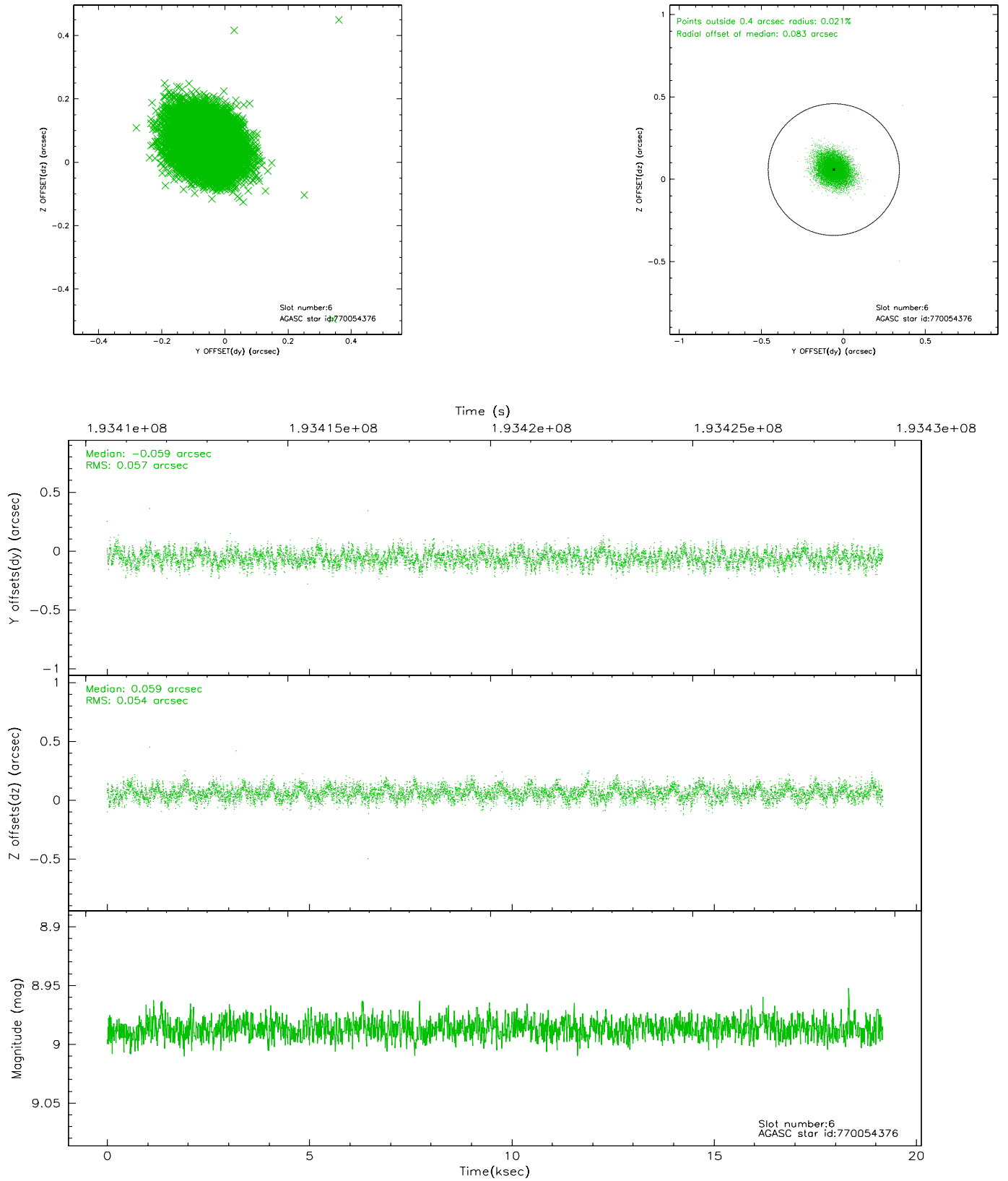
2.4.2 Slot 4



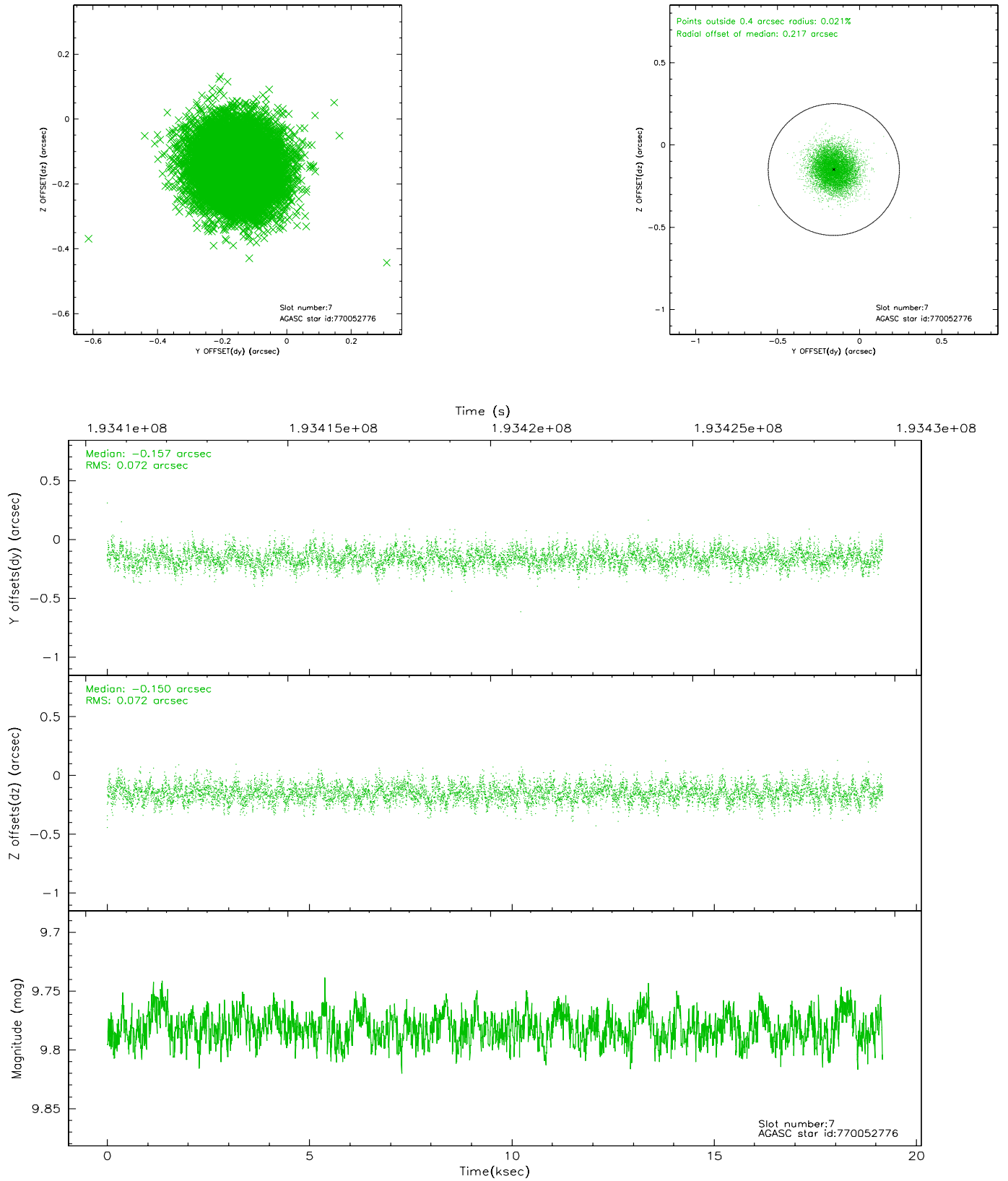
2.4.3 Slot 5



2.4.4 Slot 6

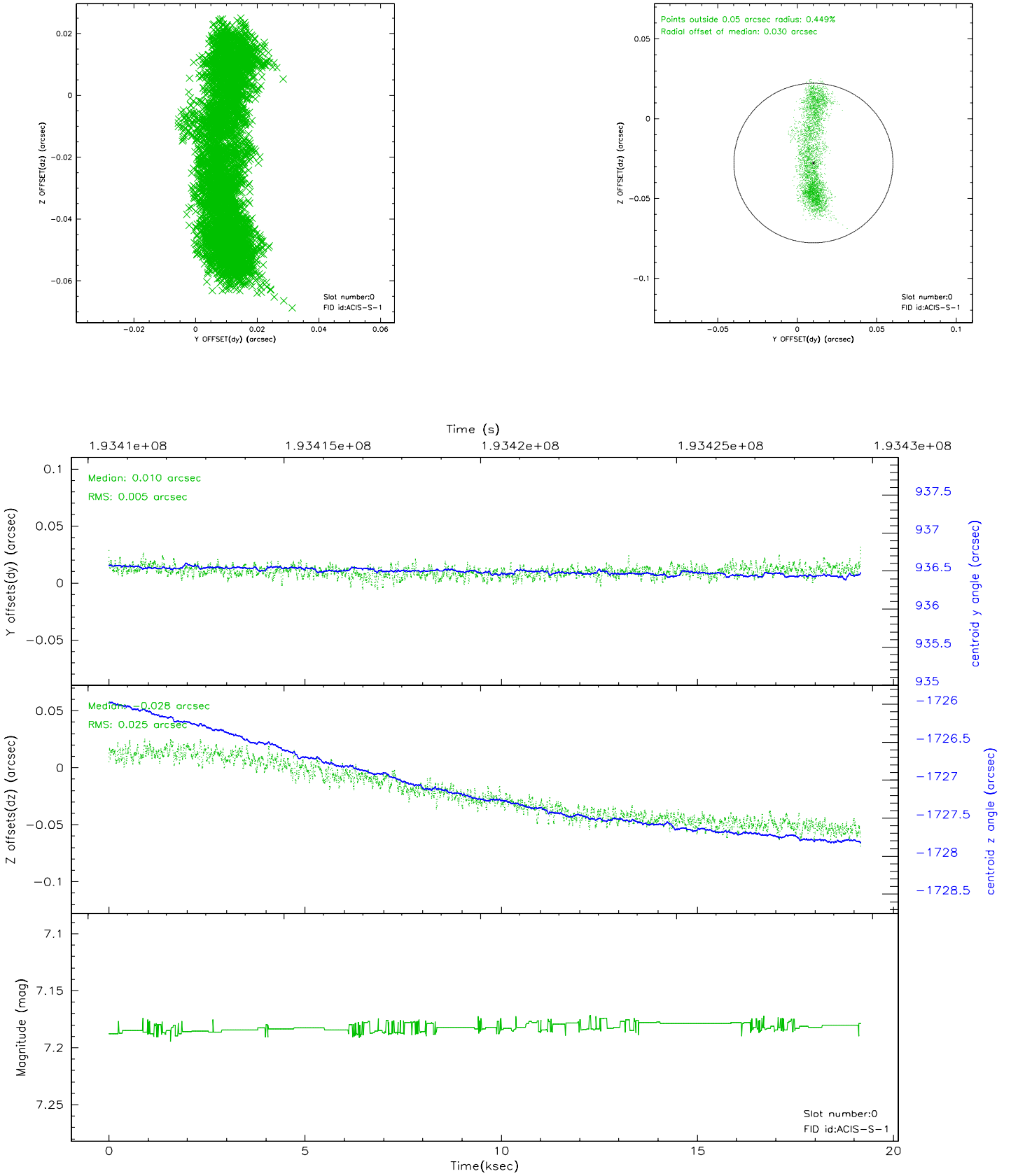


2.4.5 Slot 7

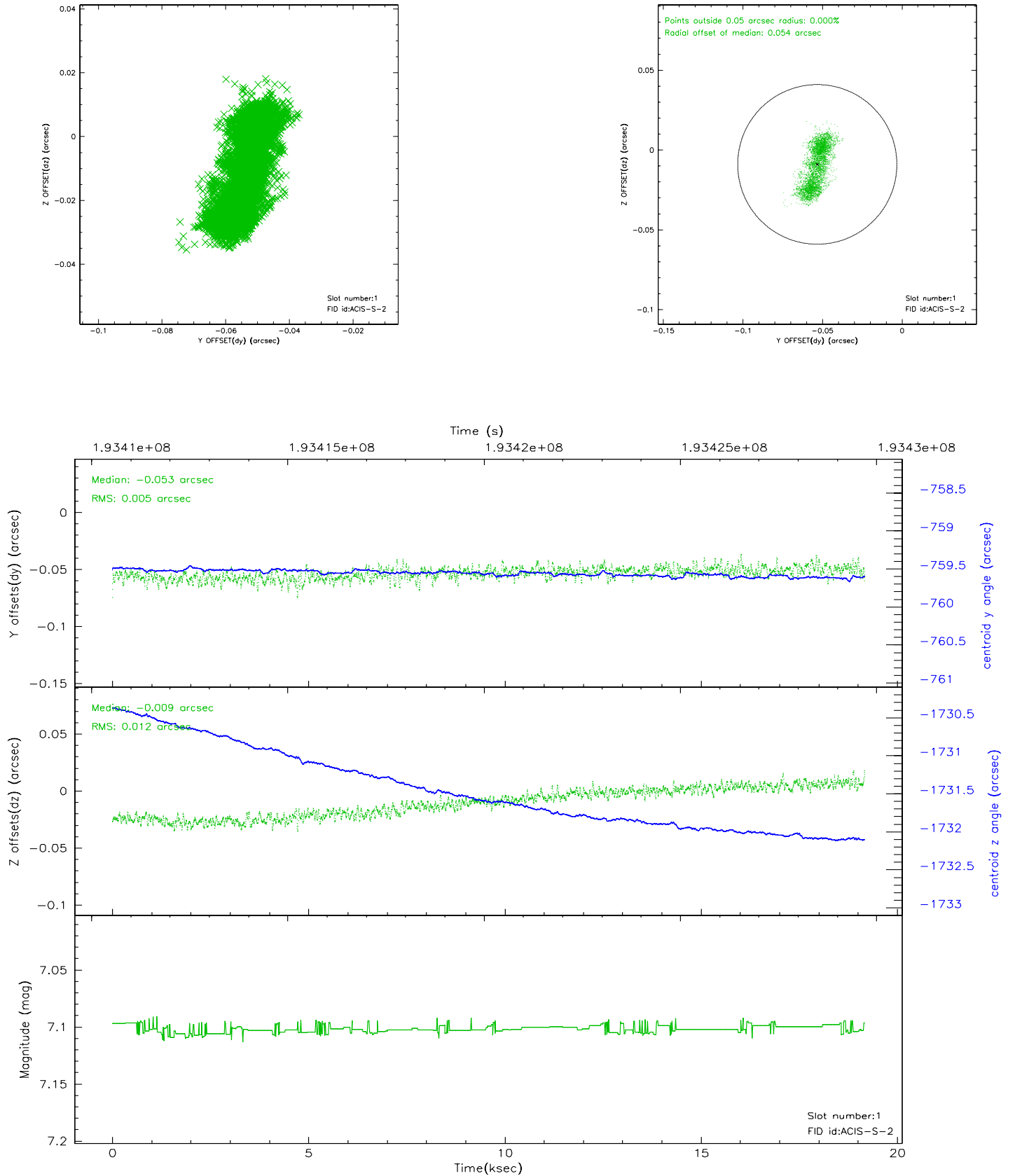


2.5 FID Slots

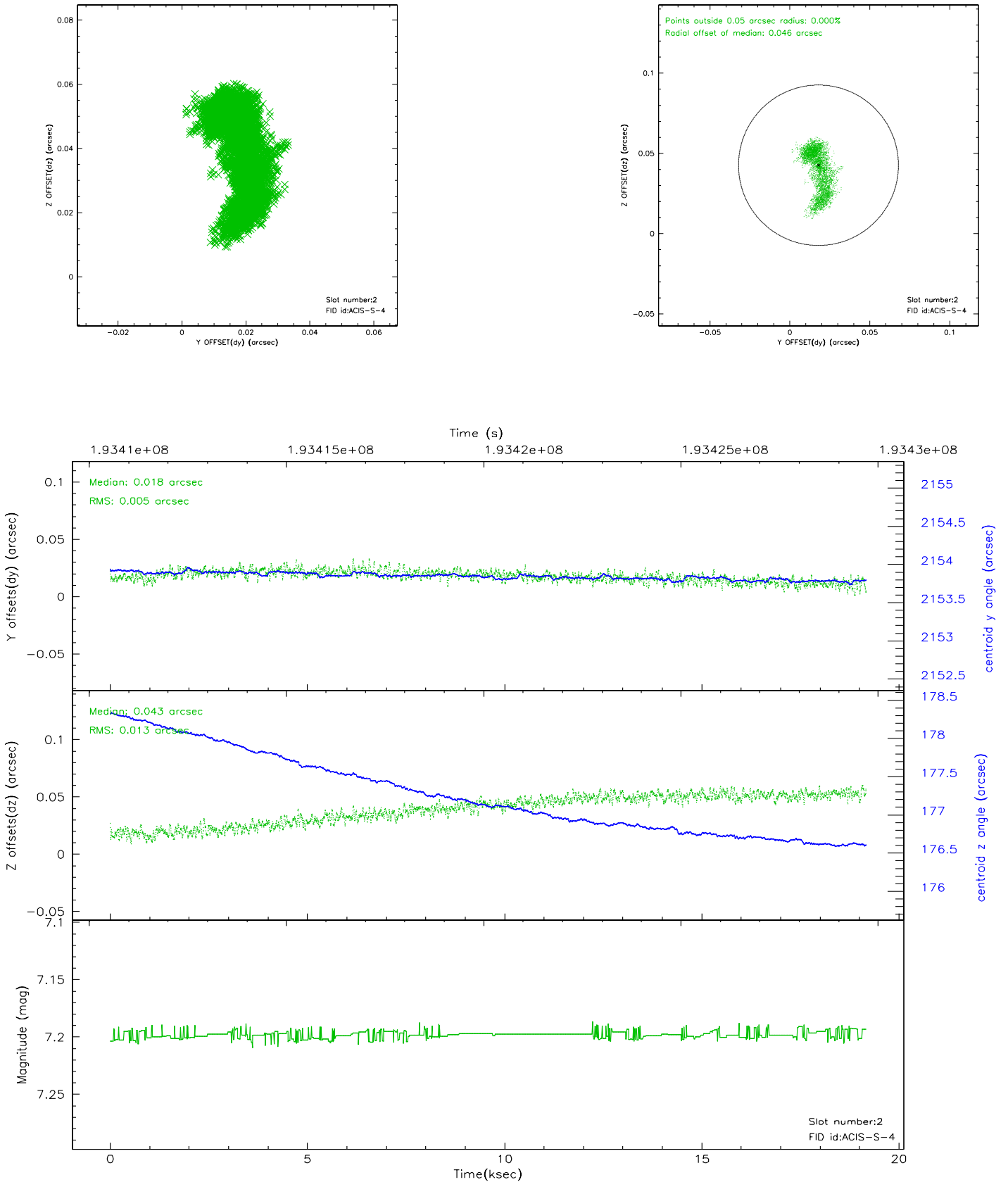
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

9.56 arcmin



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2006.06.02 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 19.167 |

A.2 Comments