

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1978 - L2 Version 001
Chandra X-Ray Center

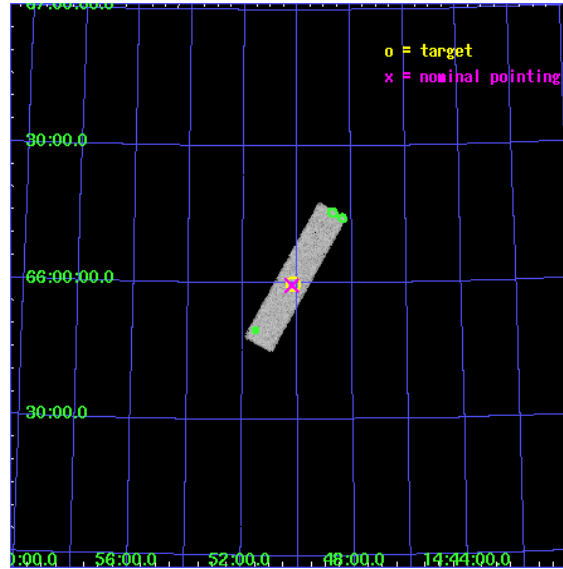
L2 Processing Date : Dec 31 2006

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1 Front

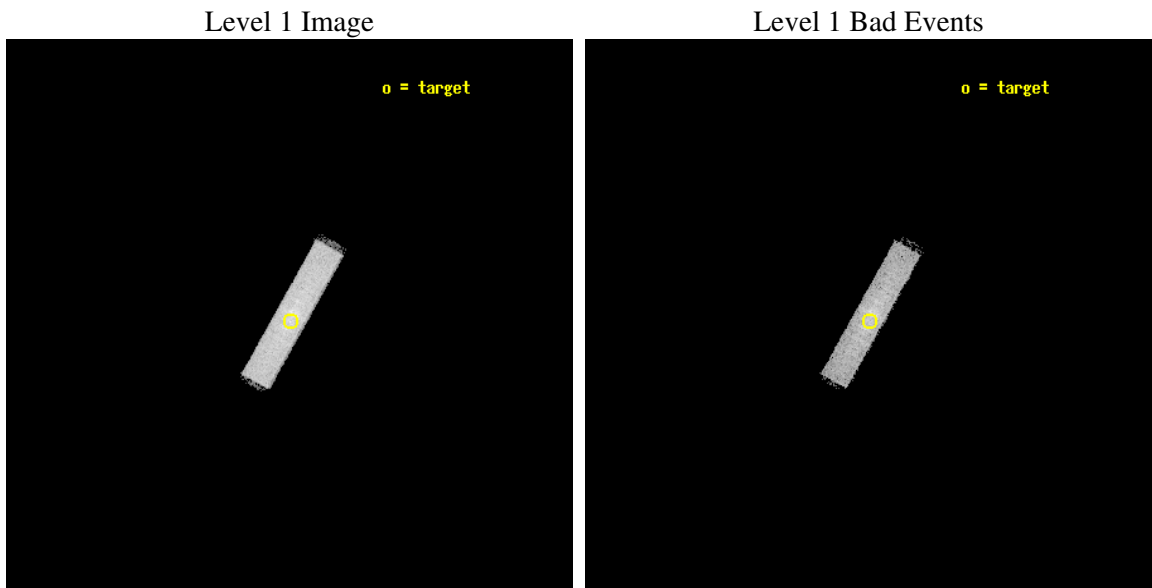
| | |
|----------|---|
| seq_num | 500155 |
| obs_id | 1978 |
| title | SEARCH FOR THE BRIGHTEST ISOLATED NEUTRON STARS |
| observer | Prof. Robert Rutledge |
| object | 1RXSJ1450+6559 |
| ra_targ | 222.544167 |
| dec_targ | 65.995556 |
| ra_nom | 222.5512048862 |
| dec_nom | 65.991676943932 |
| roll_nom | 299.34079681415 |
| revision | 2 |
| ontime | 823.33128255606 |
| livetime | 820.88199039949 |
| l2events | 21601 |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | |
|----------|---------------------|
| obi_num | 0 |
| ascdsver | 7.6.9 |
| caldbver | 3.2.4 |
| date | 2006-12-31T04:04:40 |
| revision | 2 |

| | |
|----------------|-----------------|
| sched_exp_time | 1000.000000 |
| ontime | 903.02503570914 |
| l1events | 55370 |

2.1.3 Events

Level 1 Events

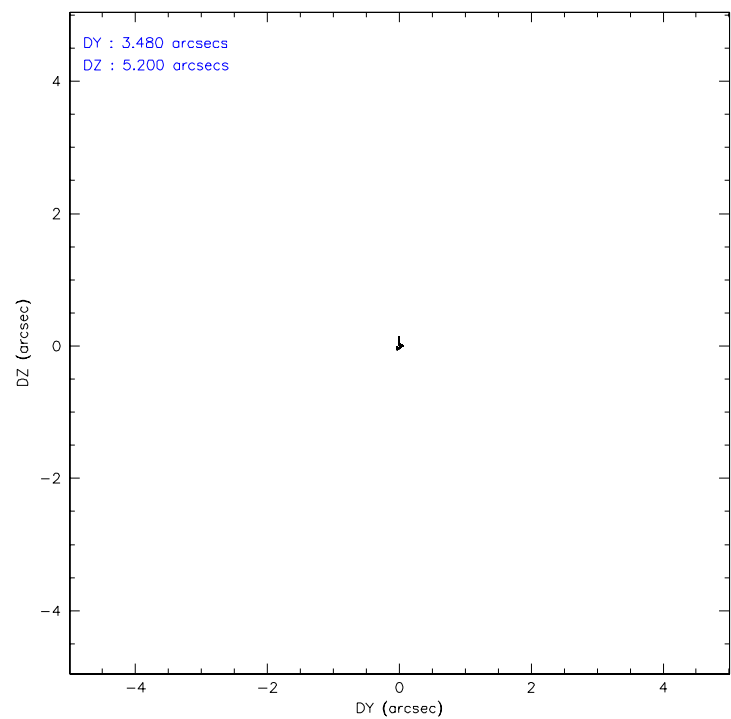
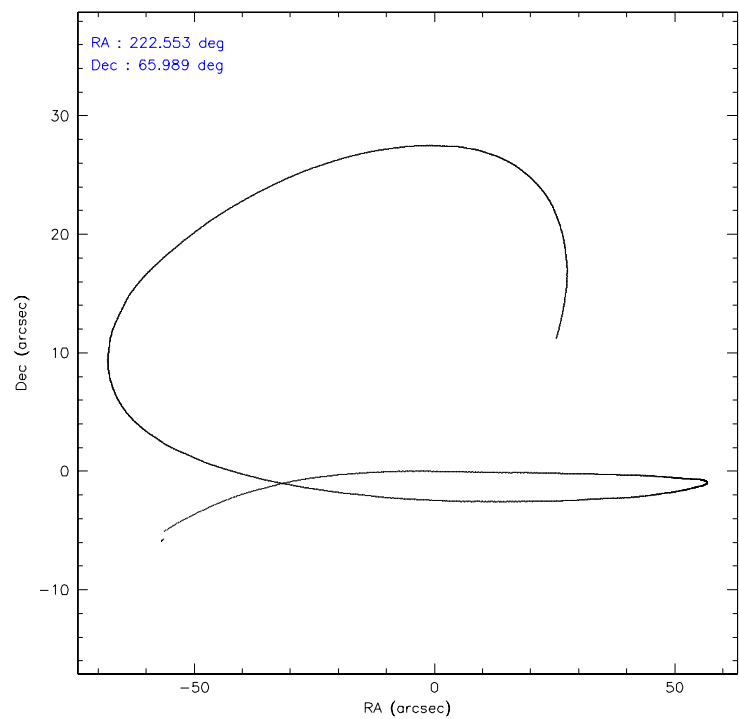
| | segment 1 | segment 2 | segment 3 |
|--------------------|----------------------|----------------------|----------------------|
| level 1 events | 74 | 55296 | 0 |
| rejected events | 73 | 31776 | 0 |
| rejected % | 98% | 57% | 0% |

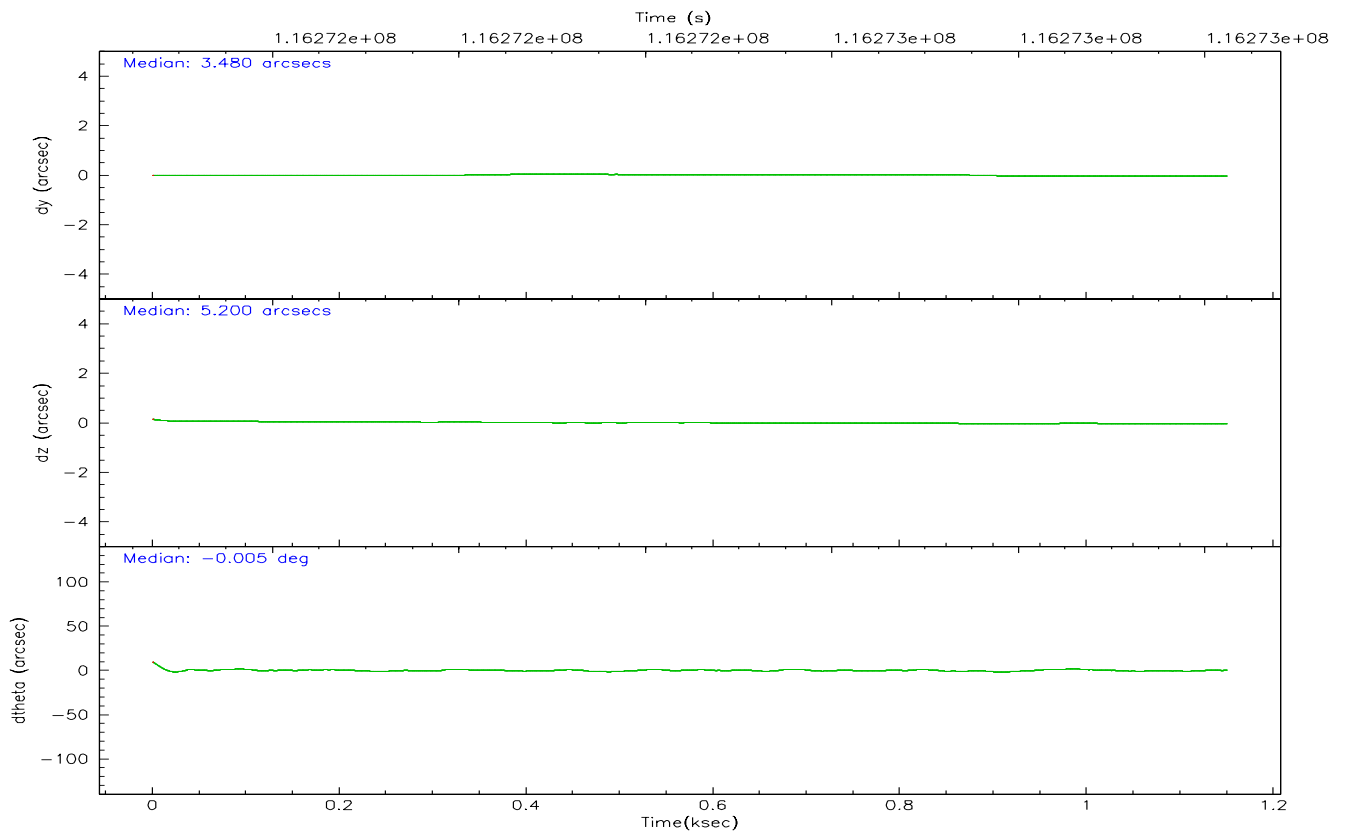
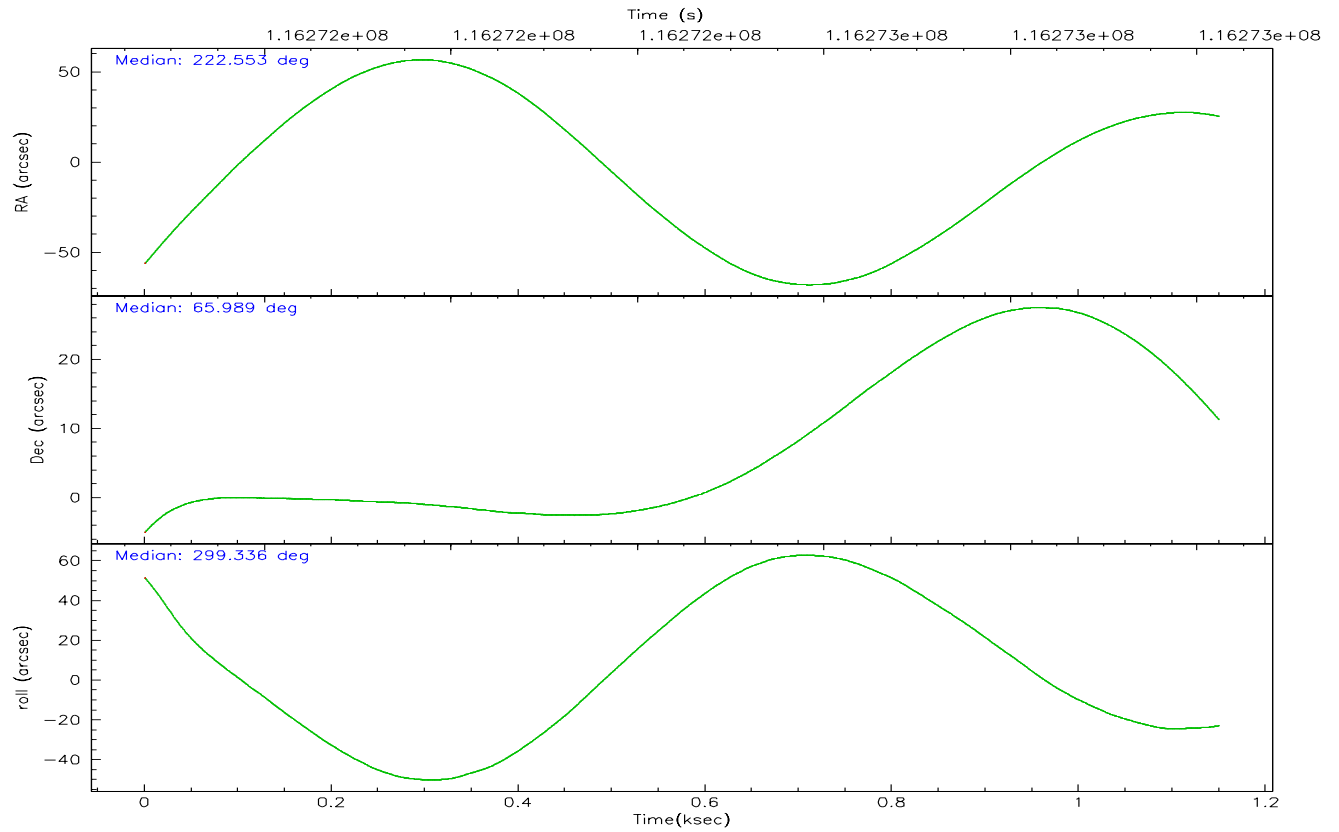
2.2 Compared Parameters

| Parameter | Planned | Actual |
|-----------------------------------|----------------------|----------------------|
| Instrument | HRC | HRC |
| Detector | HRC-S | HRC-S |
| Grating | NONE | NONE |
| Data mode | OBSERVING | OBSERVING |
| Observation mode | POINTING | POINTING |
| Pointing RA | 222.487314 | 222.5512048862021 |
| Pointing Dec | 66.004743 | 65.99167694393245 |
| Pointing Roll | 299.331805 | 299.3407968141477 |
| SIM focus pos (mm) | -1.529586 | -1.523540733526241 |
| SIM defocus (mm) | 0.003750771043328743 | 0.009795905878055677 |
| SIM translation stage pos (mm) | 250.455976 | 250.466033080201 |
| SIM translation stage offset (mm) | 0 | -0.01005468664627074 |
| Observation start time | 116272024.184000 | 116271218.39013 |
| Observation start date | 2001-09-07T17:46:00 | 2001-09-07T17:33:38 |
| Observation end time | 116273024.184000 | 116273425.72772 |
| Observation end date | 2001-09-07T18:02:40 | 2001-09-07T18:10:25 |

| Parameter | Planned | Actual |
|------------------------------|-----------|---------|
| Obspar format version number | 6 | 6 |
| Obspar file type | PREDICTED | ACTUAL |
| Obspar update status | NONE | UPDATED |

2.3 Aspect



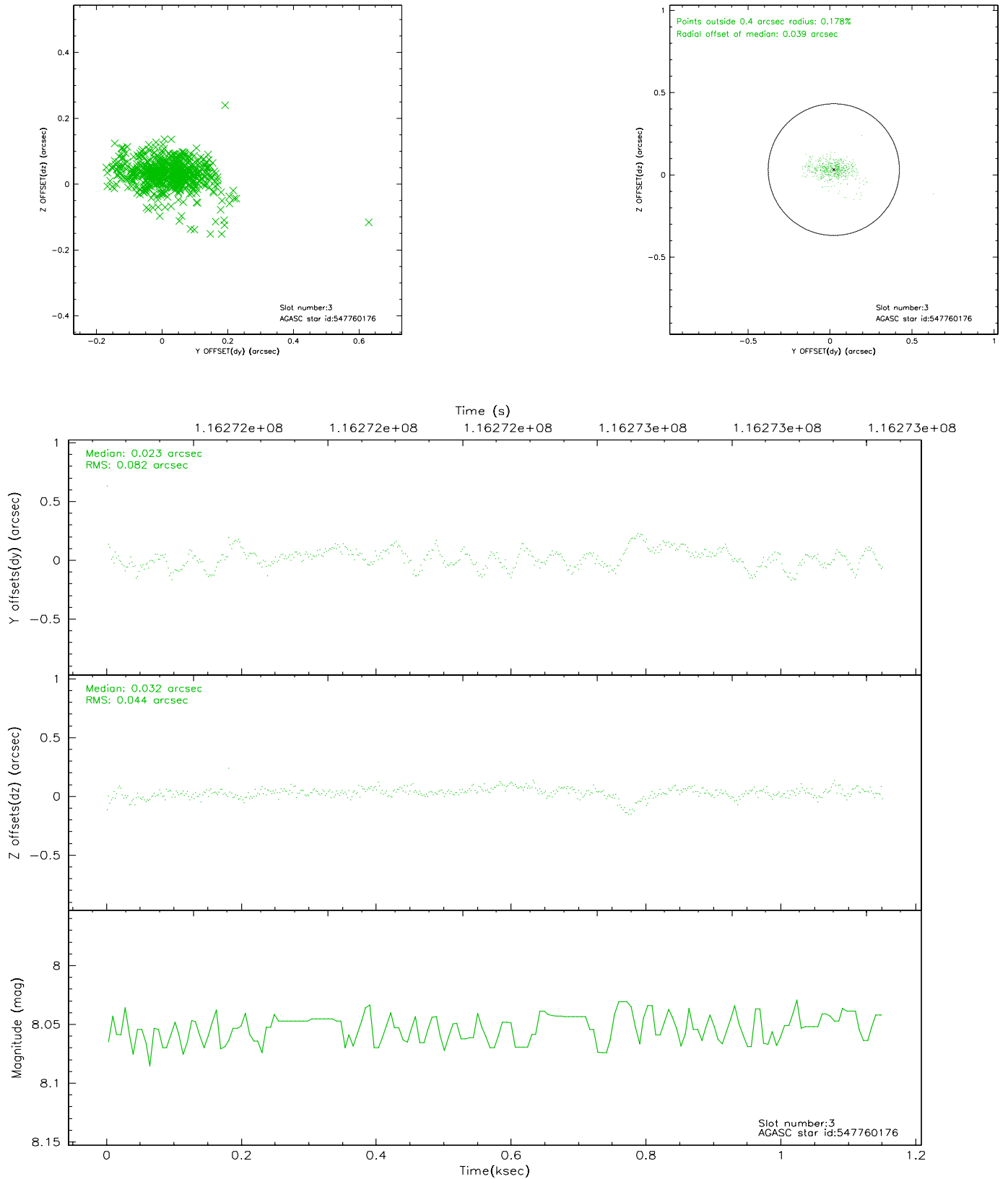


Slot Statistics

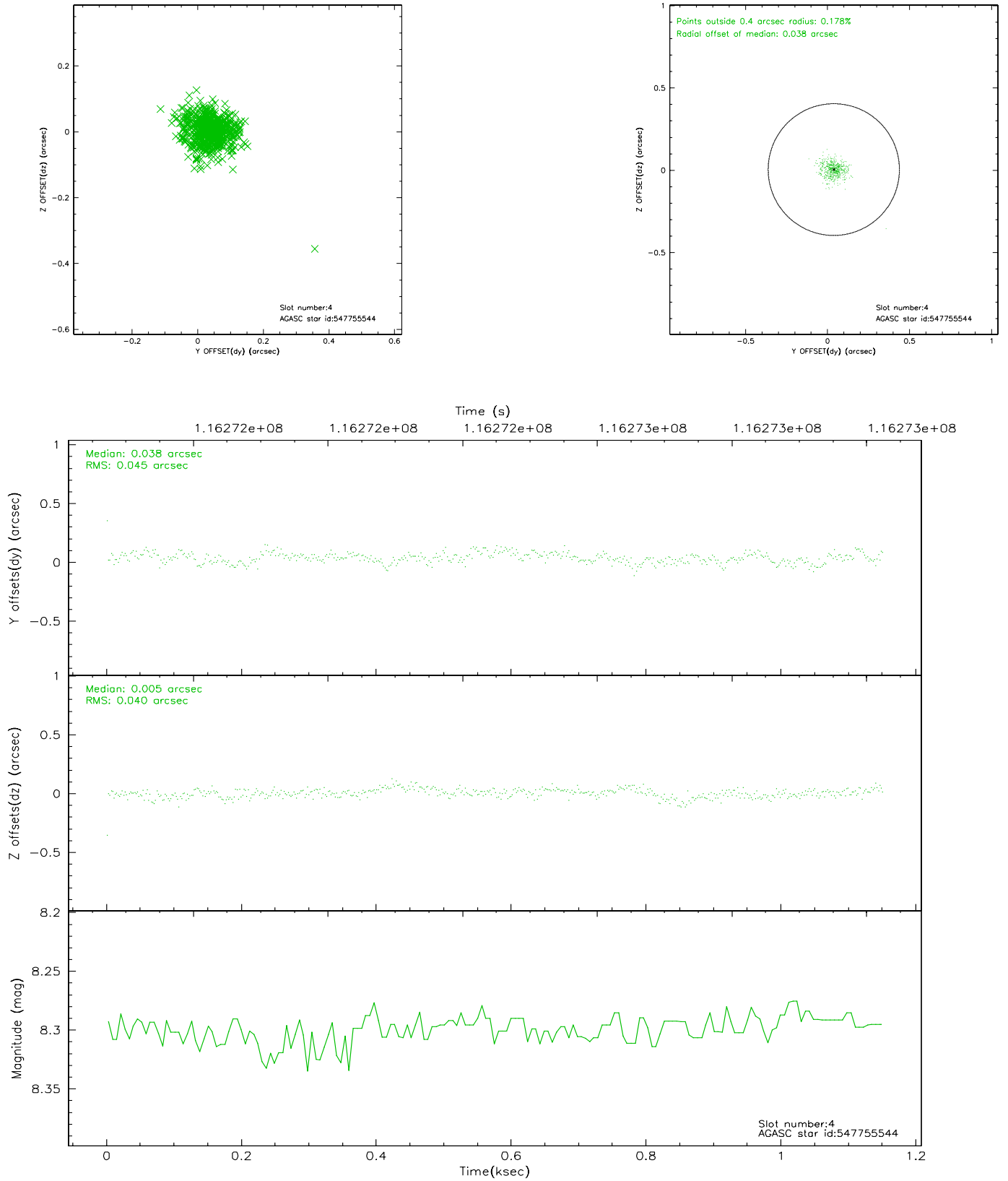
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 6.97 | 281 | 0.130 | -0.159 | 0.006 | 0.011 | 0.000000 | 0.000000 | -1157.53 | -453.76 |
| 1 | FID | HRC-S-3 | 7.00 | 281 | 0.149 | -0.038 | 0.007 | 0.013 | 0.000000 | 0.000000 | -1164.37 | 574.27 |
| 2 | FID | HRC-S-4 | 6.92 | 281 | 0.109 | -0.100 | 0.004 | 0.009 | 0.000000 | 0.000000 | 1236.53 | 580.47 |
| 3 | GUIDE | 547760176 | 8.05 | 562 | 0.023 | 0.032 | 0.092 | 0.167 | 221.919172 | 65.251899 | 1939.68 | -2075.15 |
| 4 | GUIDE | 547755544 | 8.30 | 562 | 0.038 | 0.005 | 0.060 | 0.097 | 222.035829 | 66.601721 | -2188.84 | 484.38 |
| 5 | GUIDE | 547755760 | 8.72 | 561 | -0.111 | 0.089 | 0.072 | 0.120 | 222.013243 | 65.365022 | 1652.56 | -1749.01 |
| 6 | GUIDE | 547757616 | 9.36 | 562 | 0.057 | -0.050 | 0.083 | 0.134 | 221.289836 | 66.203252 | -1486.94 | -1164.42 |
| 7 | GUIDE | 548672600 | 9.22 | 561 | -0.004 | -0.081 | 0.096 | 0.153 | 223.285823 | 65.568228 | 1942.70 | 265.41 |

2.4 Star Slots

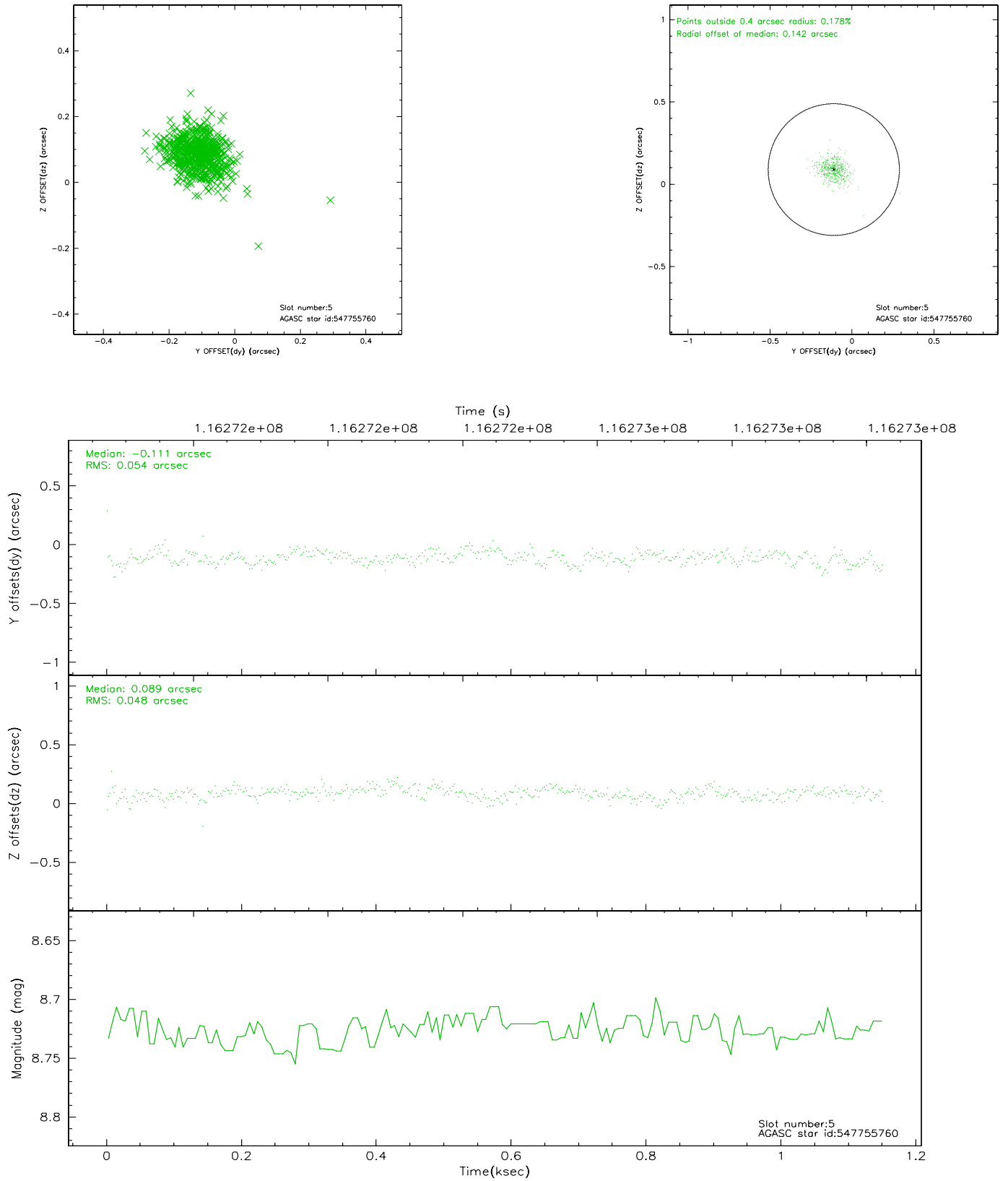
2.4.1 Slot 3



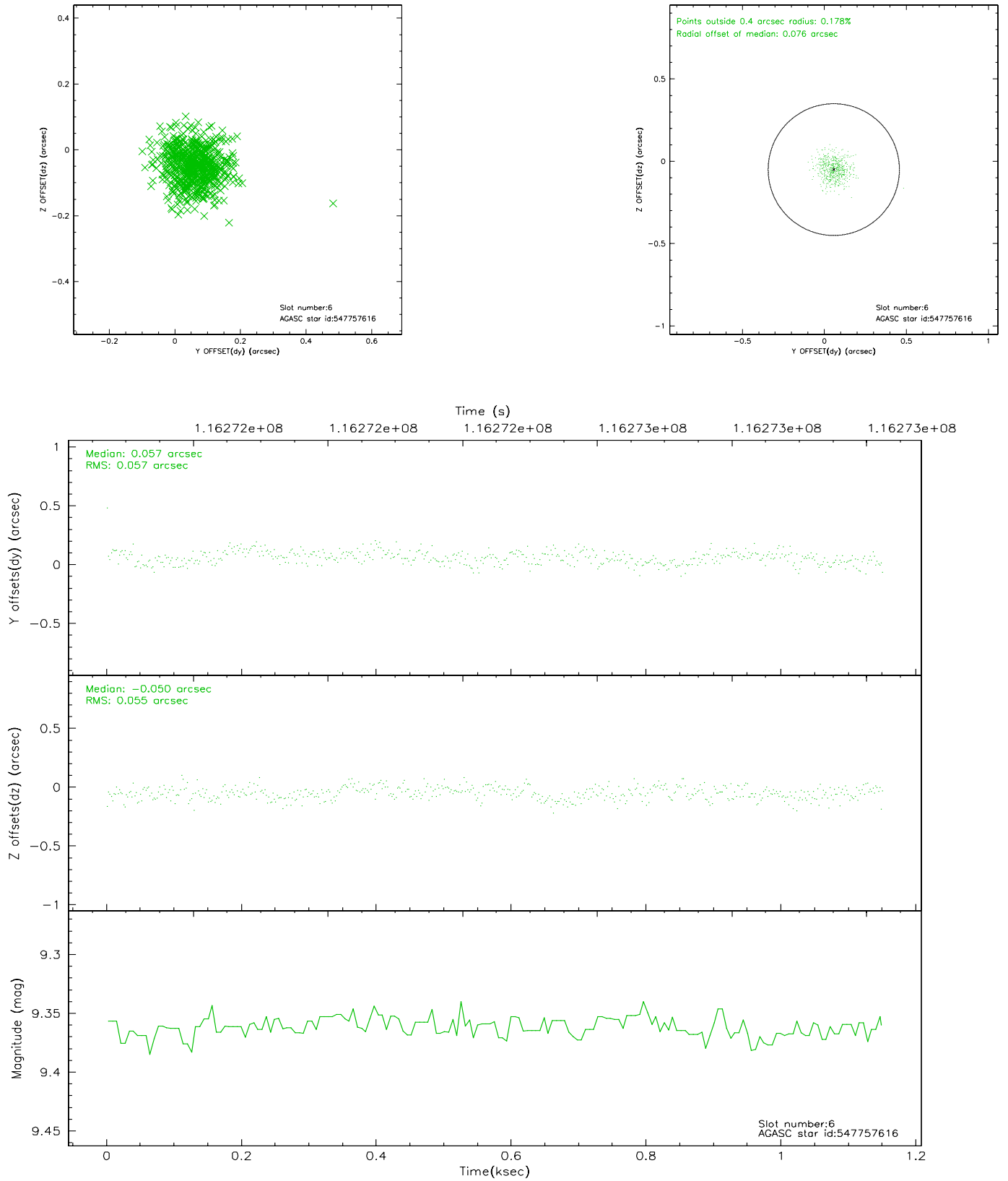
2.4.2 Slot 4



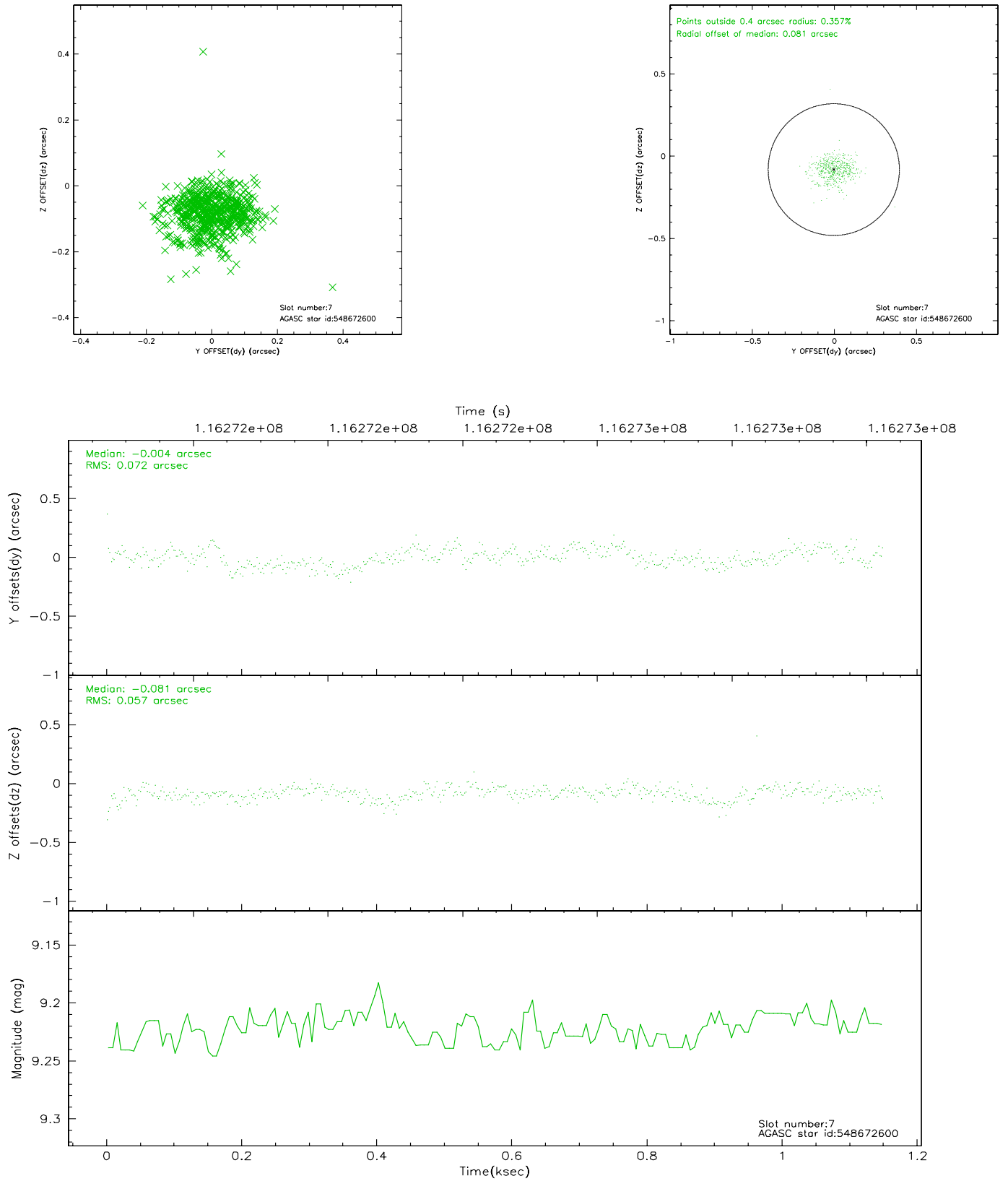
2.4.3 Slot 5



2.4.4 Slot 6

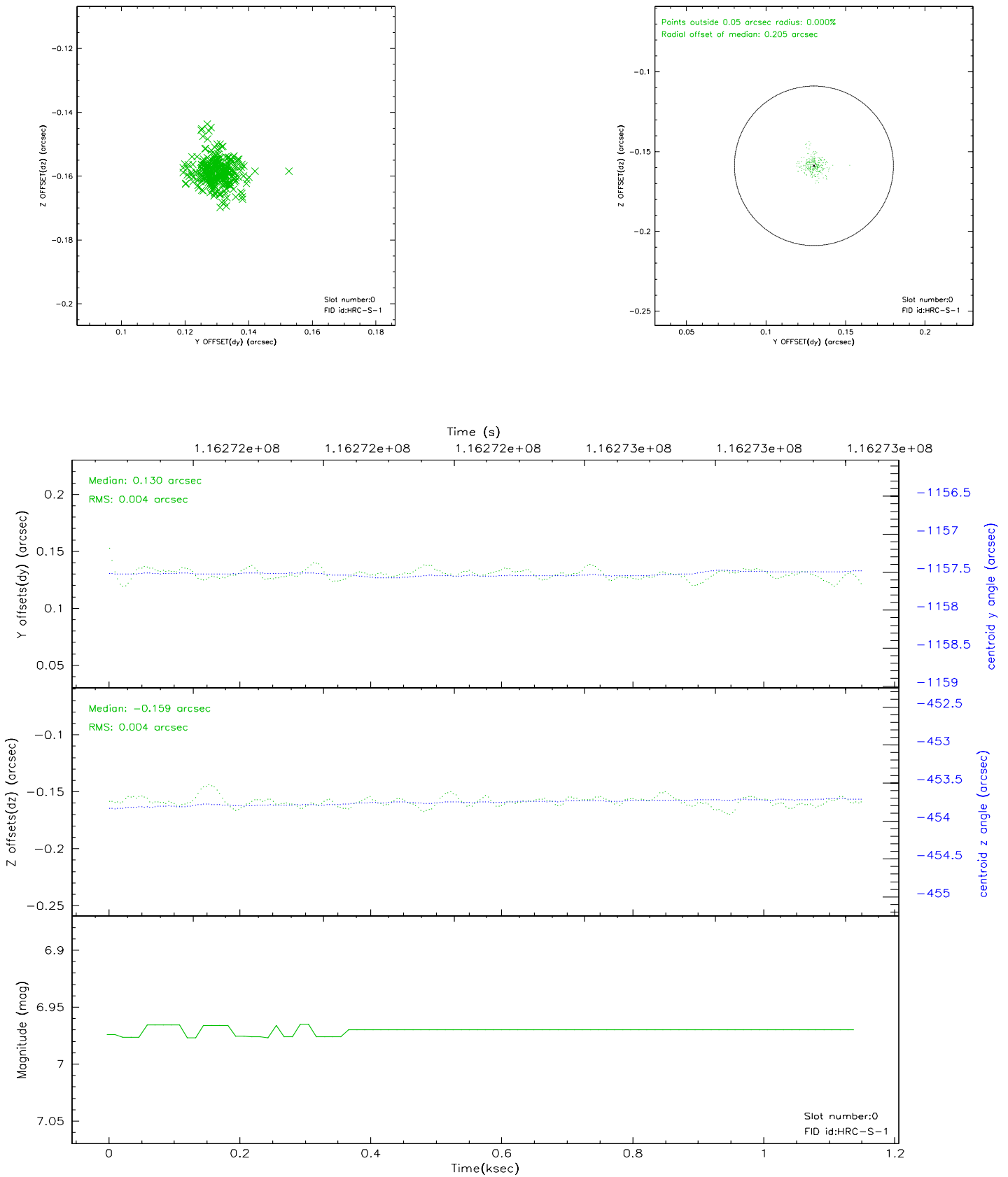


2.4.5 Slot 7

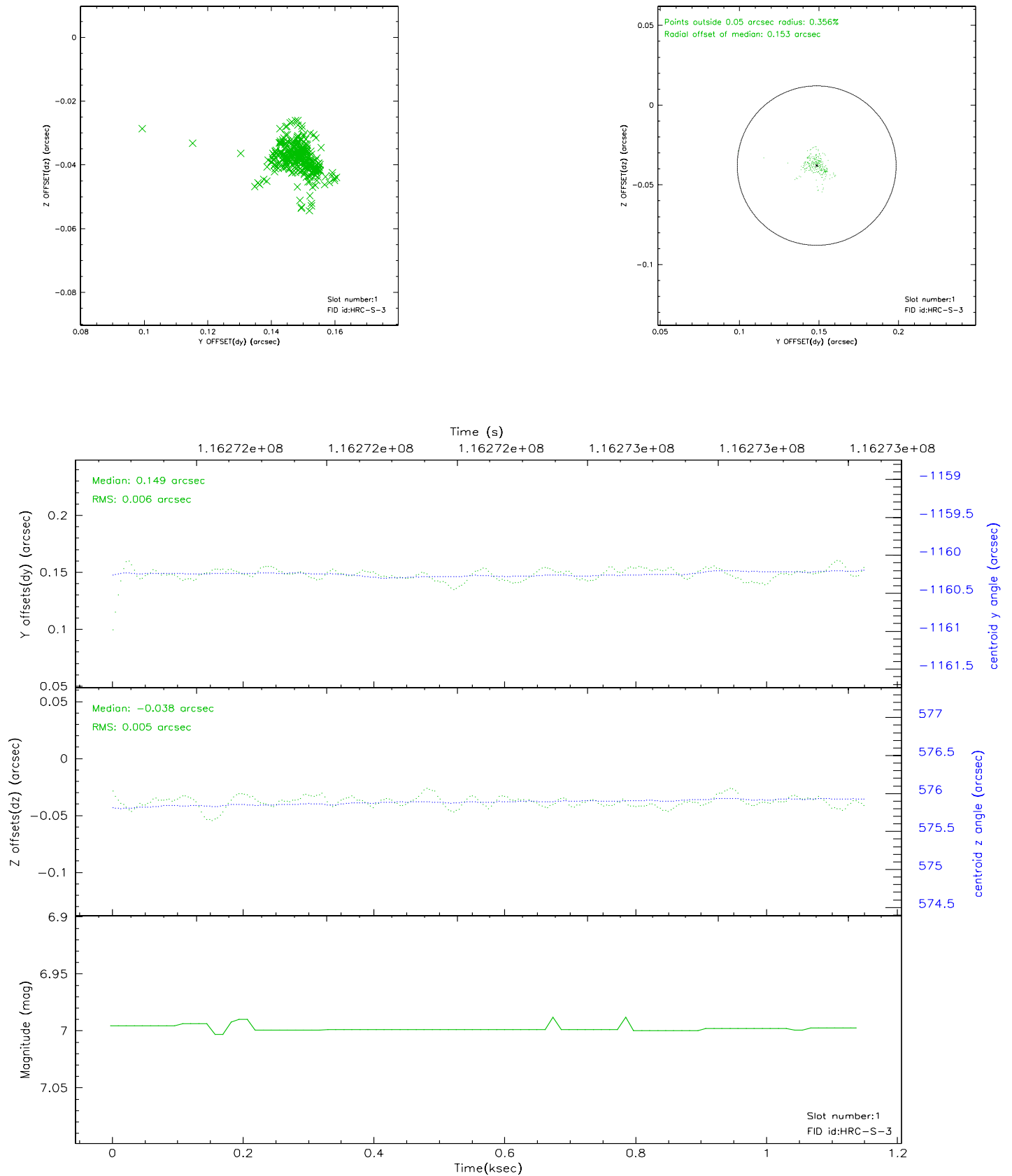


2.5 FID Slots

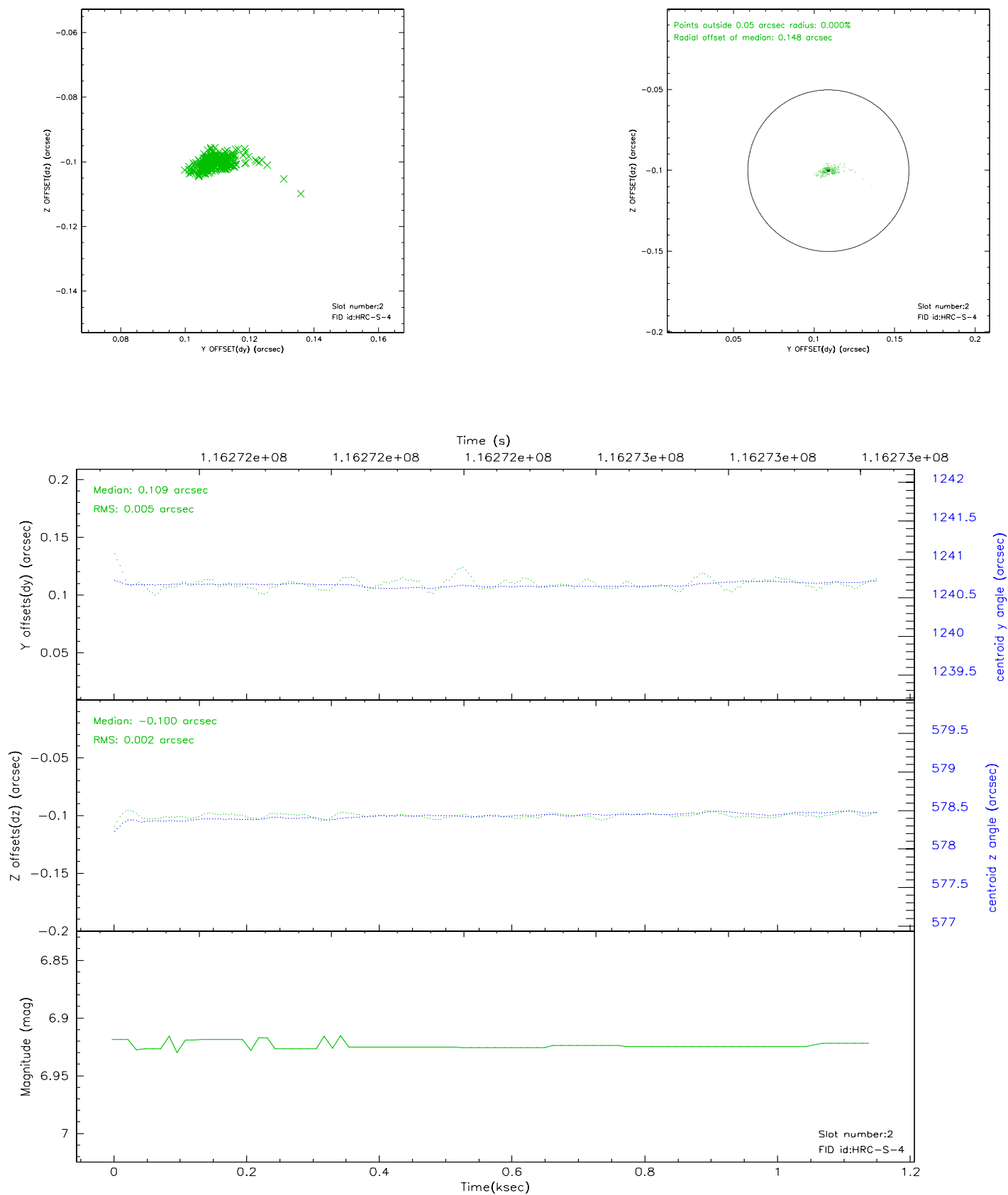
2.5.1 Slot 0



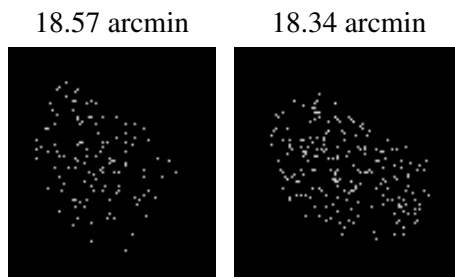
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

| | |
|----------------------------|---------------|
| V&V Scientist | Beth Sundheim |
| V&V Date (YYYY-MM-DD) | 2007.01.03 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 0.823 |

A.2 Comments