

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8296 - L2 Version 3
Chandra X-Ray Center

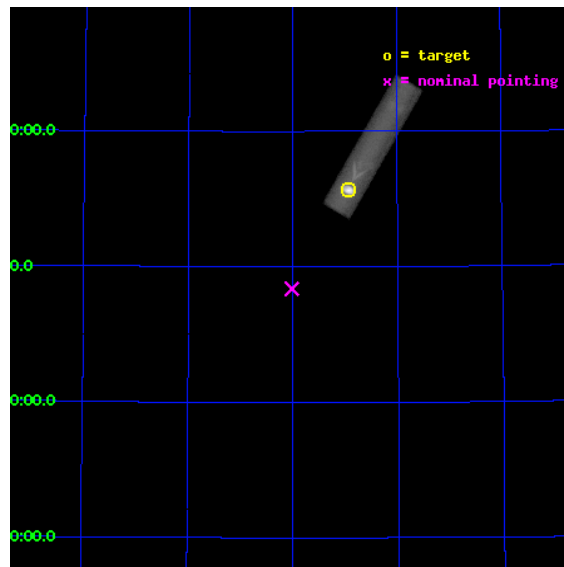
L2 Processing Date : Aug 12 2012

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1 Front

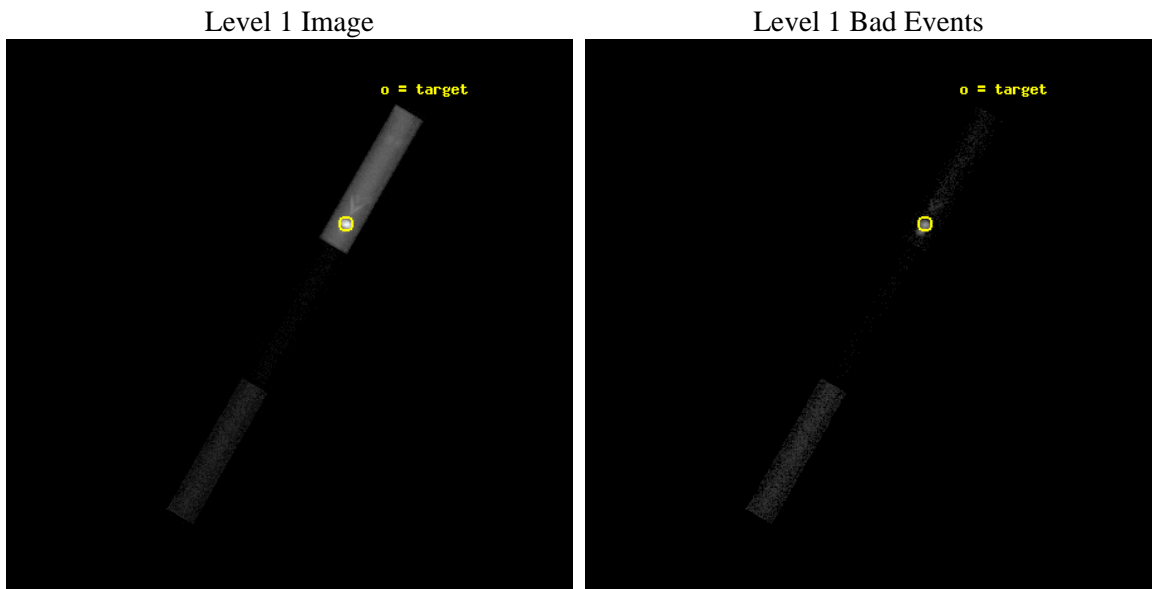
| | | |
|----------|---------------------------------------------------------------------|---------------------------------------|
| seq_num | 290675 | Sequence number |
| obs_id | 8296 | Observation id |
| title | AO8 Measurements of the optical/UV Transmission of the HRC Filters. | |
| observer | Dr. CXC Calibration | Principal investigator |
| object | Vega | Source name |
| ra_targ | 279.235 | Observer's specified target RA [deg] |
| dec_targ | 38.783778 | Observer's specified target Dec [deg] |
| ra_nom | 279.50507449378 | Nominal RA [deg] |
| dec_nom | 38.41902868306 | Nominal Dec [deg] |
| roll_nom | 300.00663089319 | Nominal Roll [deg] |
| revision | 3 | Processing version of data |
| ontime | 2186.3251054883 | [s] |
| livetime | 603.86692959977 | Ontime multiplied by DTCOR |
| l2events | 386758 | Number of level 2 events |



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

| | | | | | |
|----------|---------------------|--------------------------------|----------------|-----------------|-----------------------------------------|
| obi_num | 1 | Obi number | sched_exp_time | 2000.000000 | [s] Scheduled observation exposure time |
| ascdsver | 8.4.5 | Processing system revision | ontime | 2186.3251054883 | [s] |
| caldbver | 4.5.1.1 | | l1events | 459213 | Number of level 1 events |
| date | 2012-08-12T07:53:24 | Date and time of file creation | | | |
| revision | 3 | Processing version of data | | | |

2.1.3 Events

Level 1 Events

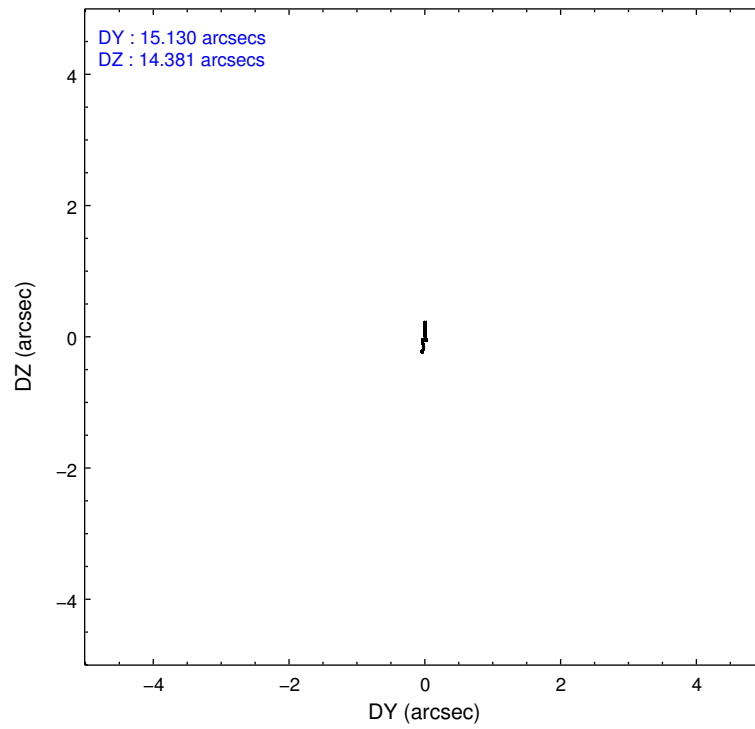
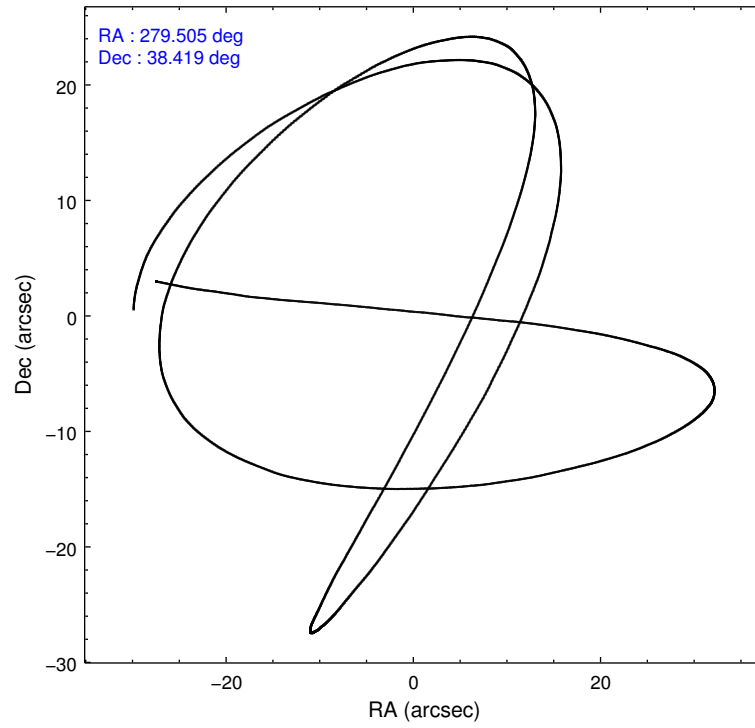
| | segment 1 | segment 2 | segment 3 |
|-----------------|----------------------|----------------------|----------------------|
| level 1 events | 448225 | 567 | 10421 |
| rejected events | 45107 | 551 | 10421 |
| rejected % | 10% | 97% | 100% |

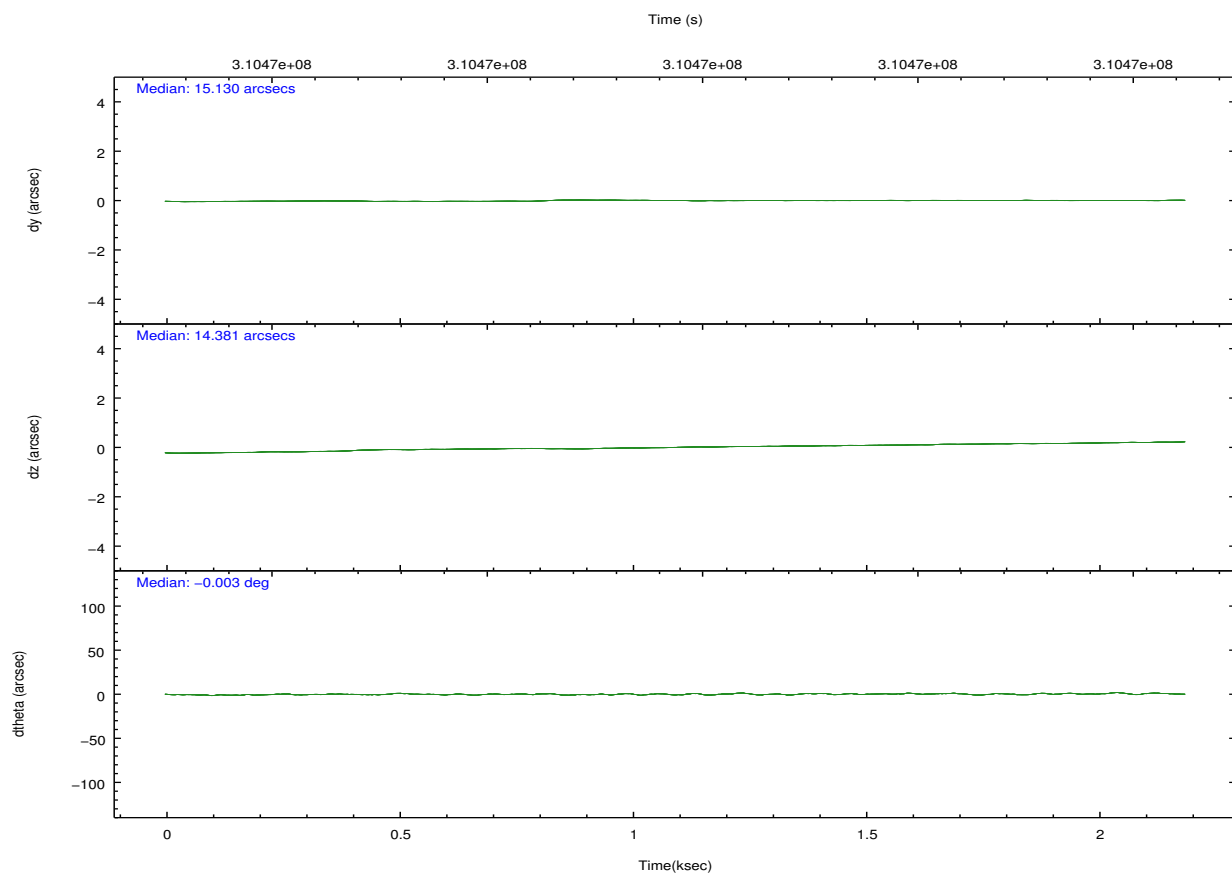
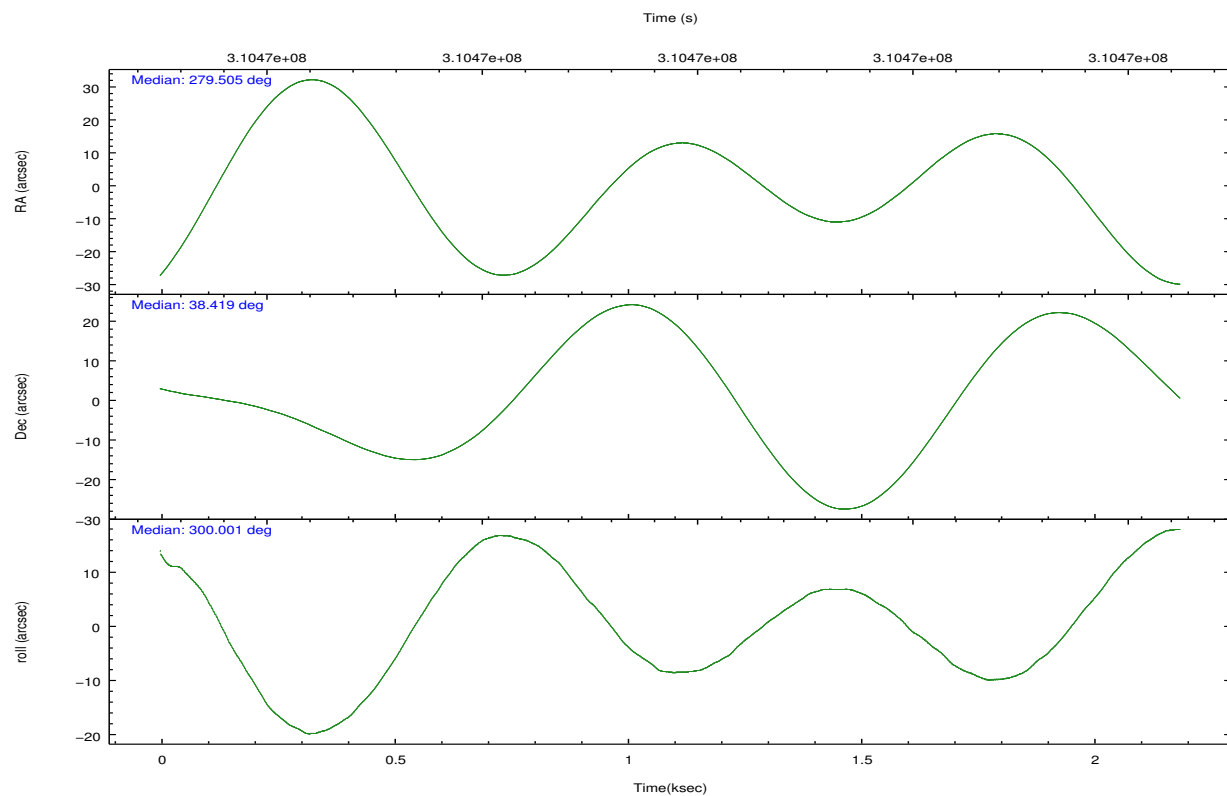
2.2 Compared Parameters

| Parameter | Planned | Actual |
|-----------------------------------|-----------------------|----------------------|
| Instrument | HRC | HRC |
| Detector | HRC-S | HRC-S |
| Grating | NONE | NONE |
| Data mode | OBSERVING | OBSERVING |
| Observation mode | POINTING | POINTING |
| [deg] Pointing RA | 279.472140 | 279.5050744937773 |
| [deg] Pointing Dec | 38.431947 | 38.41902868305971 |
| [deg] Pointing Roll | 299.959776 | 300.0066308931935 |
| [s] Window start time (MET) | 304992065.184000 | 304992065.184000 |
| [s] Window stop time (MET) | 312768065.184000 | 312768065.184000 |
| [mm] SIM focus pos | -1.533336 | -1.526339935833849 |
| [mm] SIM defocus | 7.710433287538843e-07 | 0.006996703570447904 |
| [mm] SIM translation stage pos | 250.455976 | 250.466033080201 |
| [mm] SIM translation stage offset | 0 | -0.01005468664627074 |
| [s] Observation start time (MET) | 310467030.184000 | 310466653.83305 |
| Observation start date | 2007-11-03T08:49:25 | 2007-11-03T08:44:13 |
| [s] Observation end time (MET) | 310469030.184000 | 310469164.05817 |
| Observation end date | 2007-11-03T09:22:45 | 2007-11-03T09:26:04 |

| Parameter | Planned | Actual |
|------------------------------|-----------|---------|
| Obspar format version number | 7 | 7 |
| Obspar file type | PREDICTED | ACTUAL |
| Obspar update status | NONE | UPDATED |

2.3 Aspect



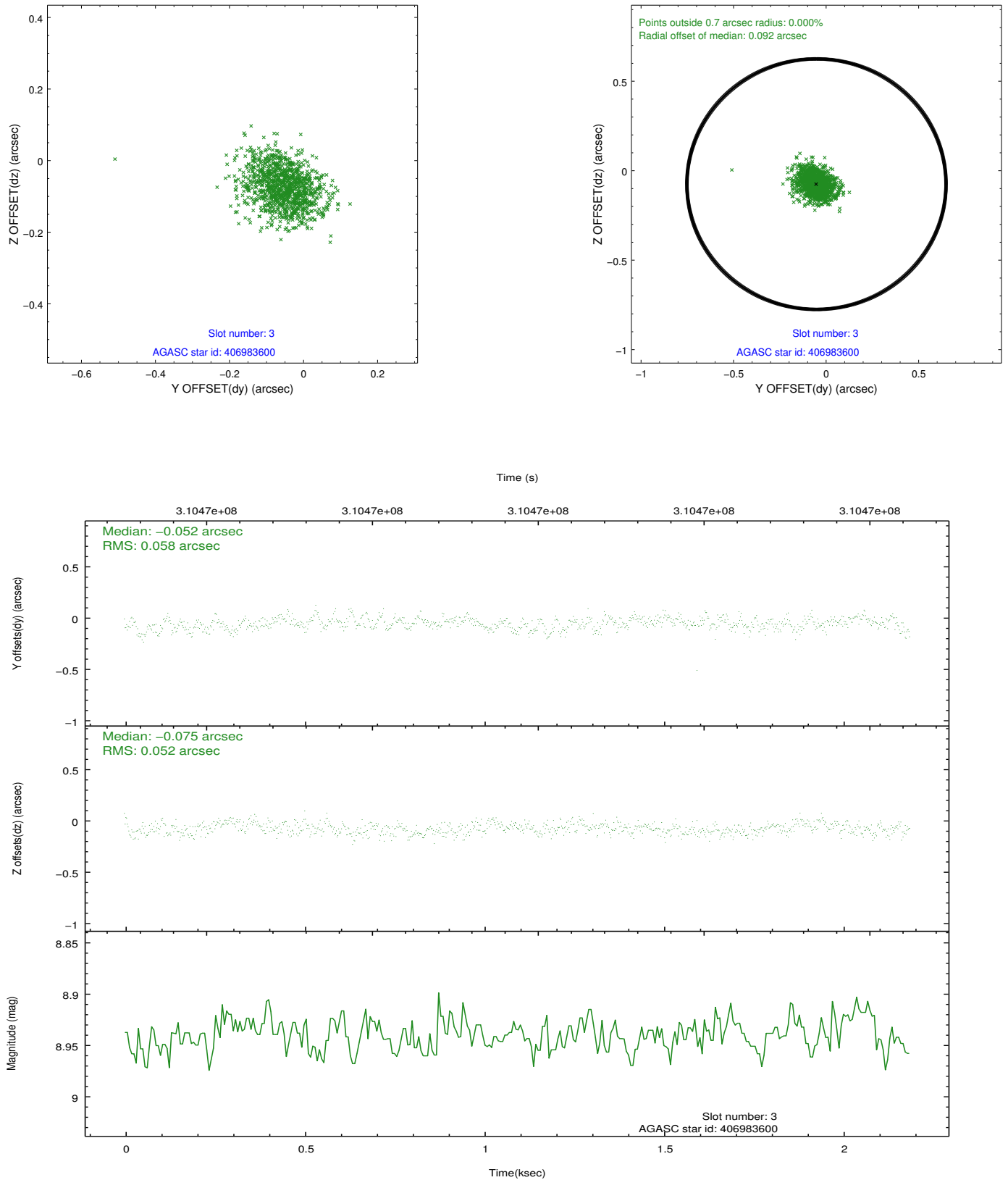


Slot Statistics

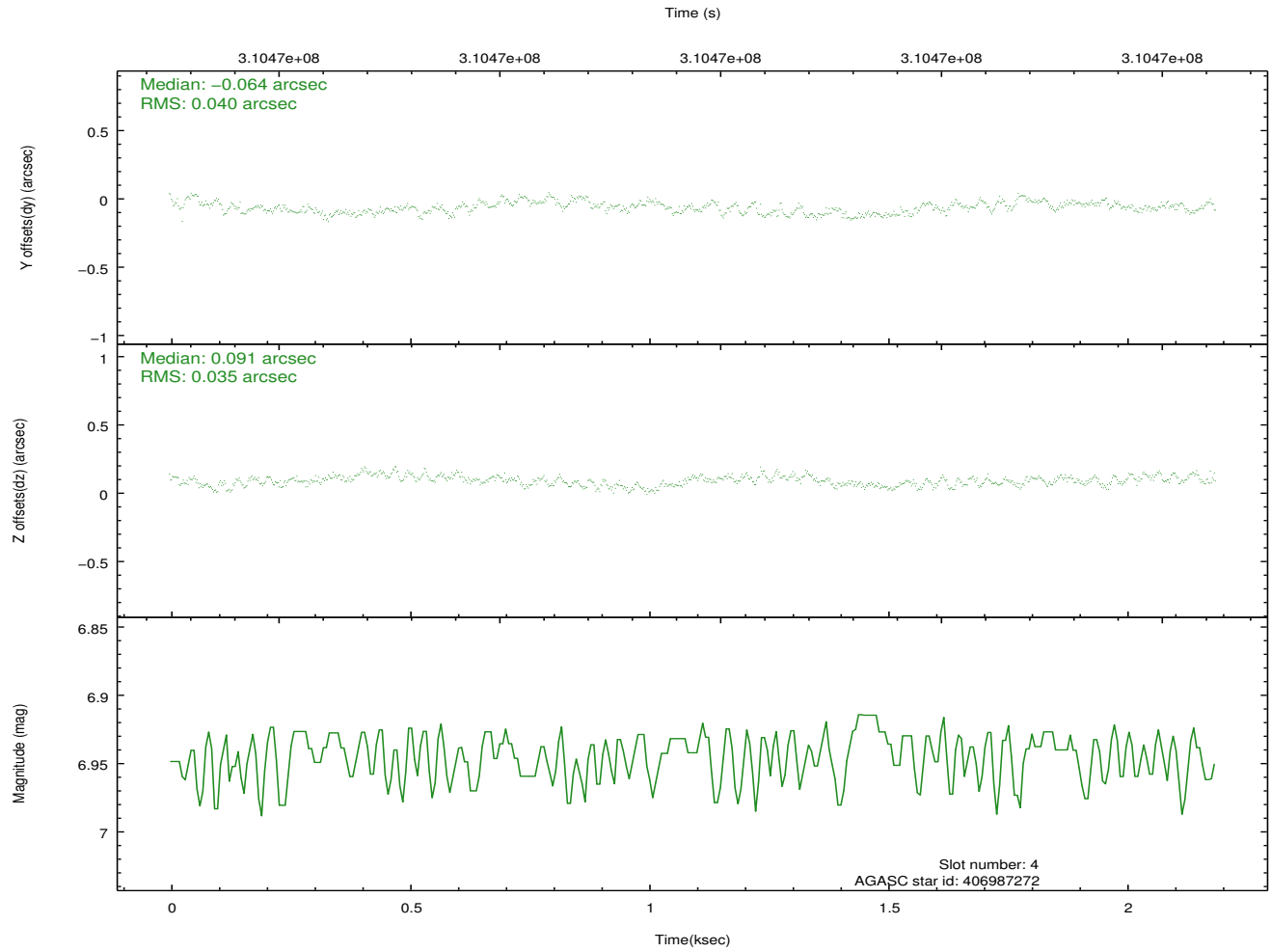
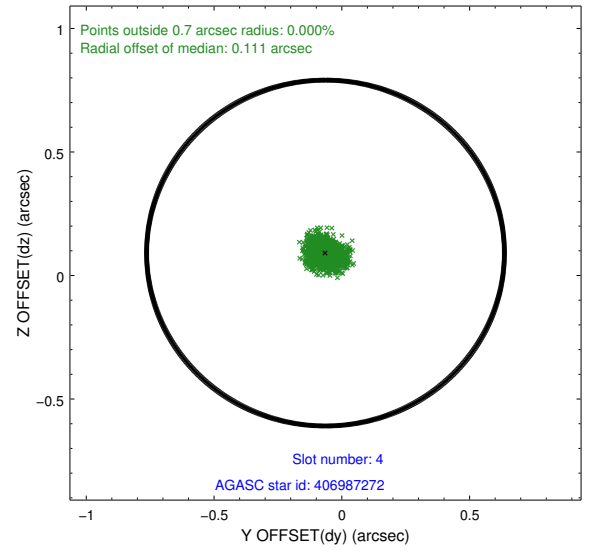
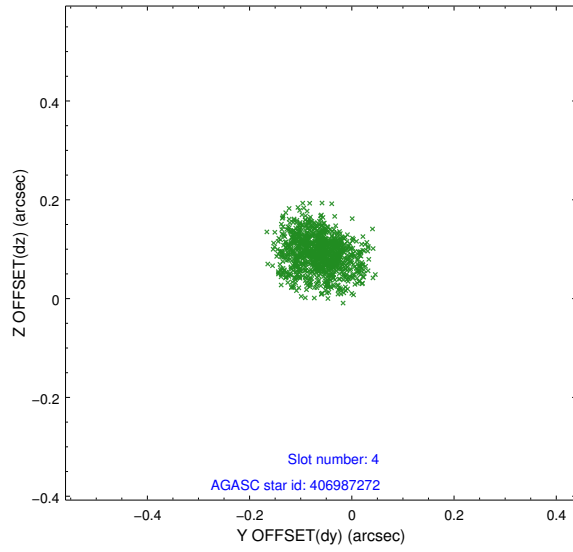
| slot | status | id | mag | n_pts | med_dy | med_dz | dr1 | dr2 | ra | dec | mean_y | mean_z |
|------|--------|-----------|------|-------|--------|--------|-------|-------|------------|-----------|----------|----------|
| 0 | FID | HRC-S-1 | 6.98 | 534 | 0.071 | -0.206 | 0.008 | 0.012 | 0.000000 | 0.000000 | -1169.53 | -463.26 |
| 1 | FID | HRC-S-2 | 6.95 | 534 | 0.199 | -0.104 | 0.004 | 0.009 | 0.000000 | 0.000000 | 1228.06 | -456.67 |
| 2 | FID | HRC-S-3 | 6.99 | 534 | 0.120 | 0.008 | 0.009 | 0.014 | 0.000000 | 0.000000 | -1169.90 | 565.62 |
| 3 | GUIDE | 406983600 | 8.94 | 1067 | -0.052 | -0.075 | 0.081 | 0.131 | 279.940957 | 39.020708 | -1183.31 | 2195.47 |
| 4 | GUIDE | 406987272 | 6.94 | 1068 | -0.064 | 0.091 | 0.059 | 0.091 | 278.536588 | 38.437504 | -1347.38 | -2267.71 |
| 5 | GUIDE | 406992968 | 7.65 | 1068 | 0.073 | -0.064 | 0.069 | 0.108 | 279.925490 | 37.993090 | 2007.15 | 324.17 |
| 6 | GUIDE | 406993992 | 7.63 | 1068 | 0.125 | 0.048 | 0.064 | 0.104 | 279.053714 | 38.034587 | 647.46 | -1741.15 |
| 7 | GUIDE | 406985120 | 7.41 | 1067 | -0.090 | -0.005 | 0.063 | 0.107 | 278.839732 | 38.894839 | -2332.90 | -702.67 |

2.4 Star Slots

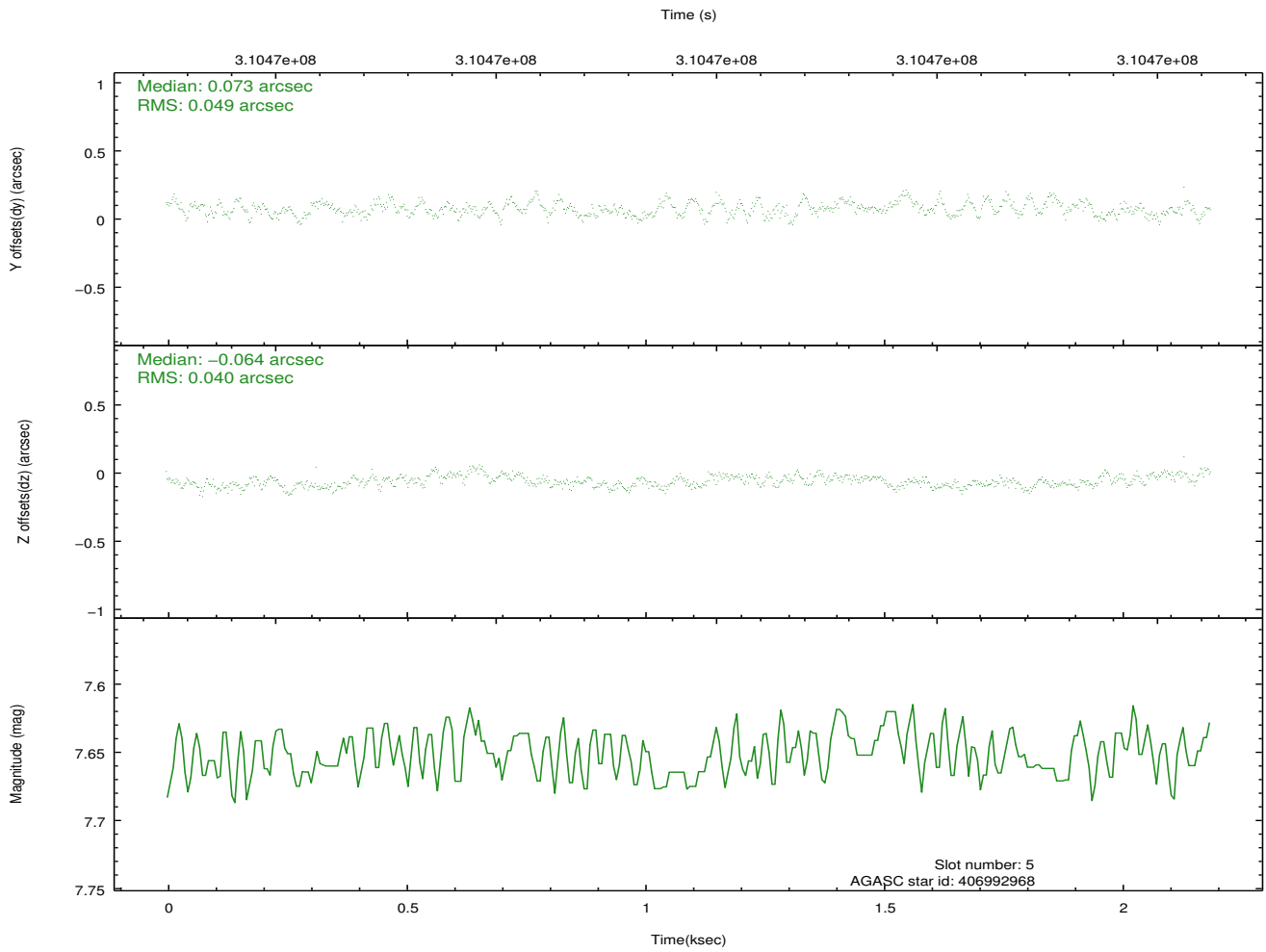
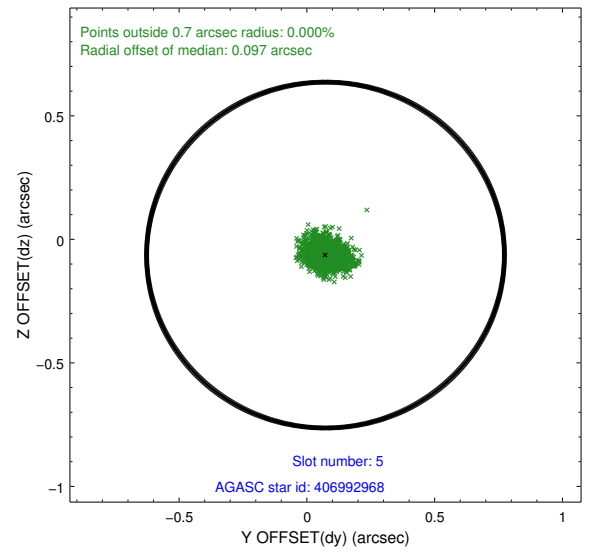
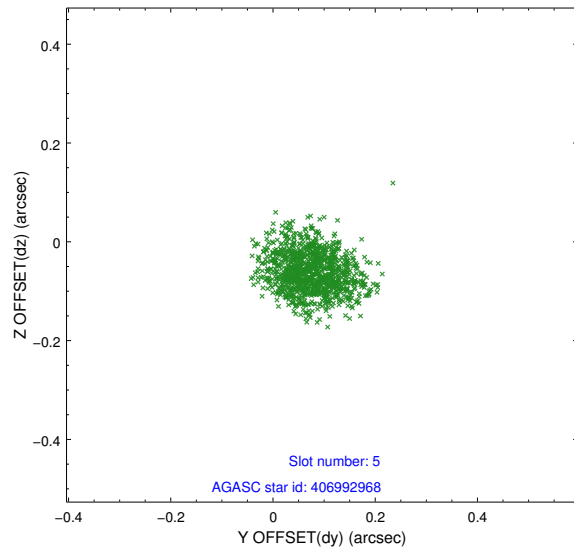
2.4.1 Slot 3



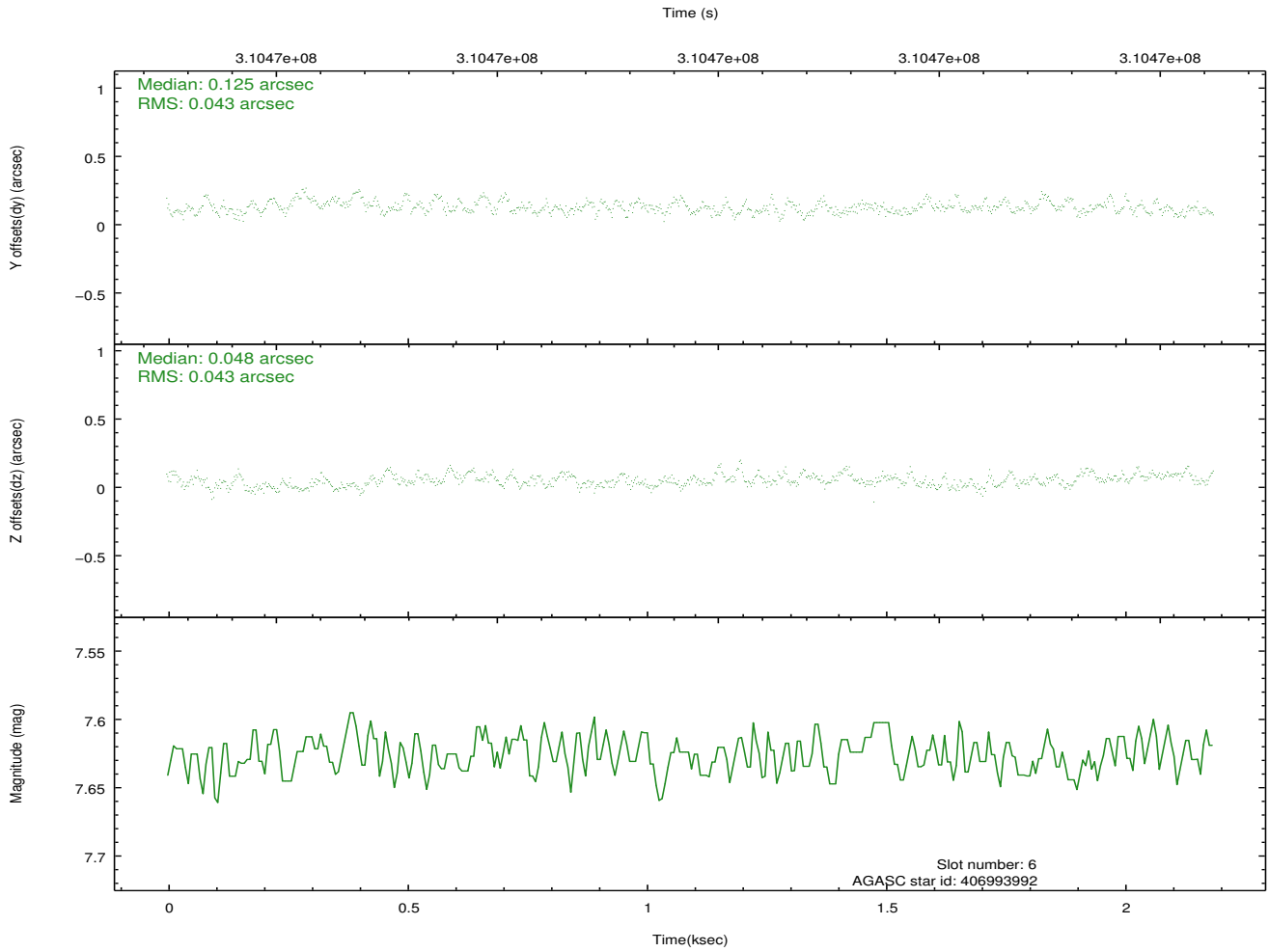
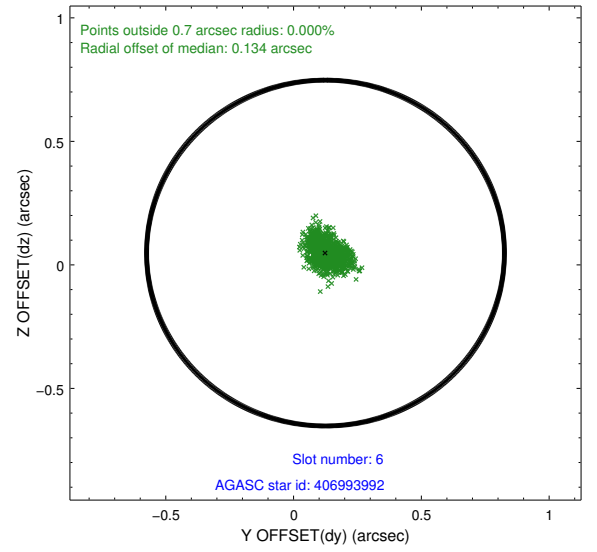
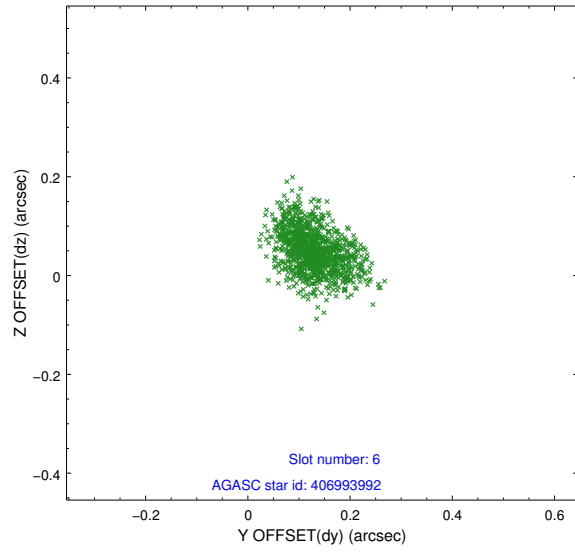
2.4.2 Slot 4



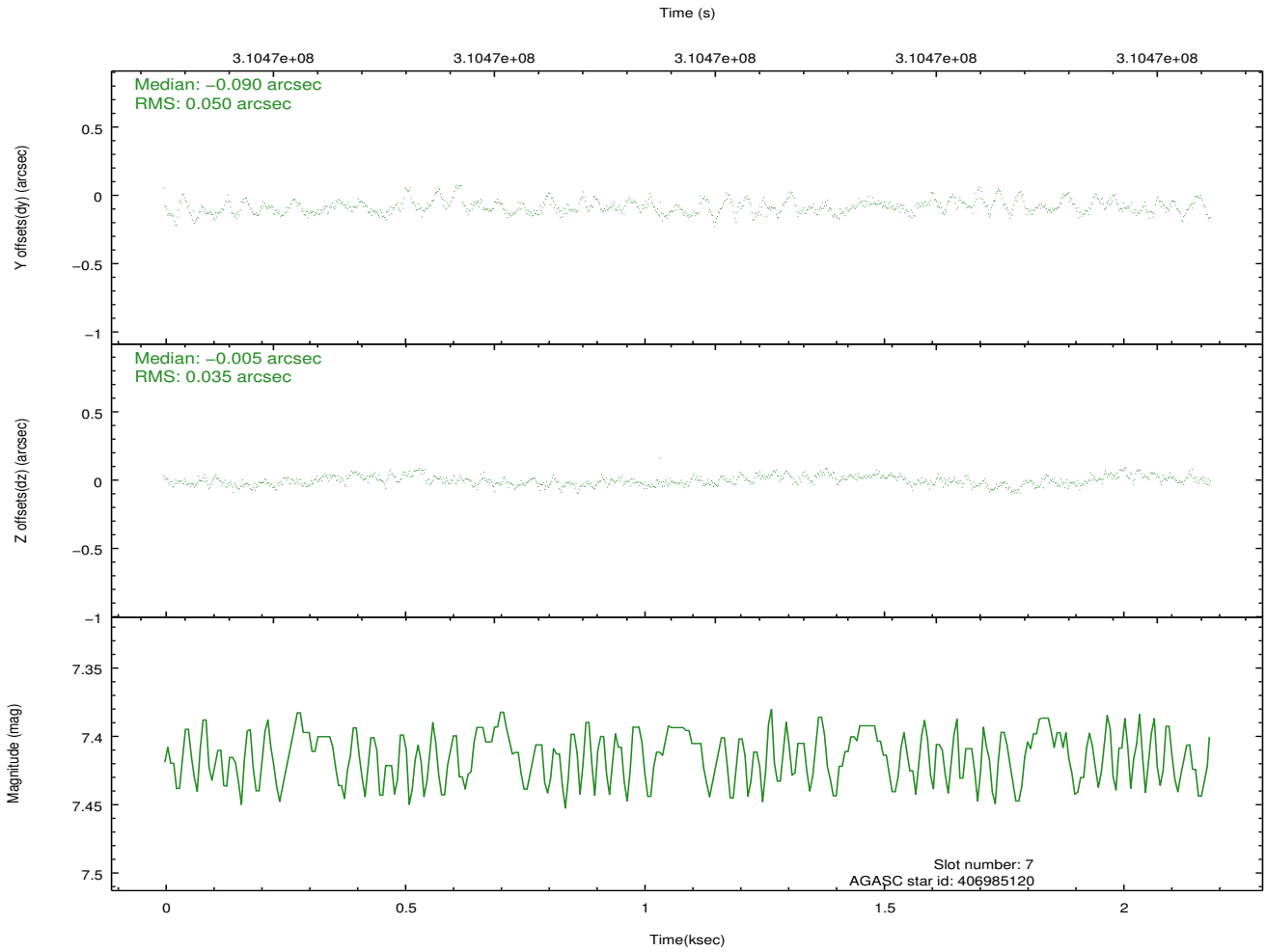
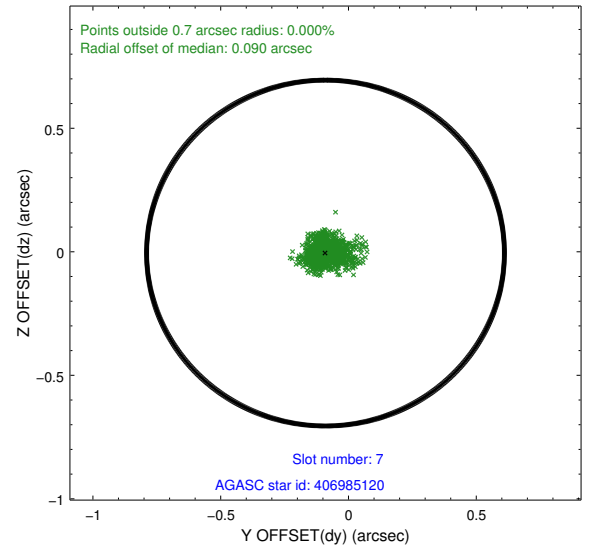
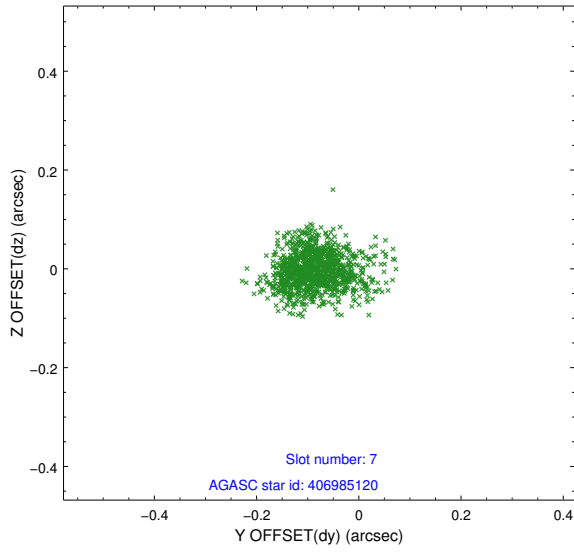
2.4.3 Slot 5



2.4.4 Slot 6

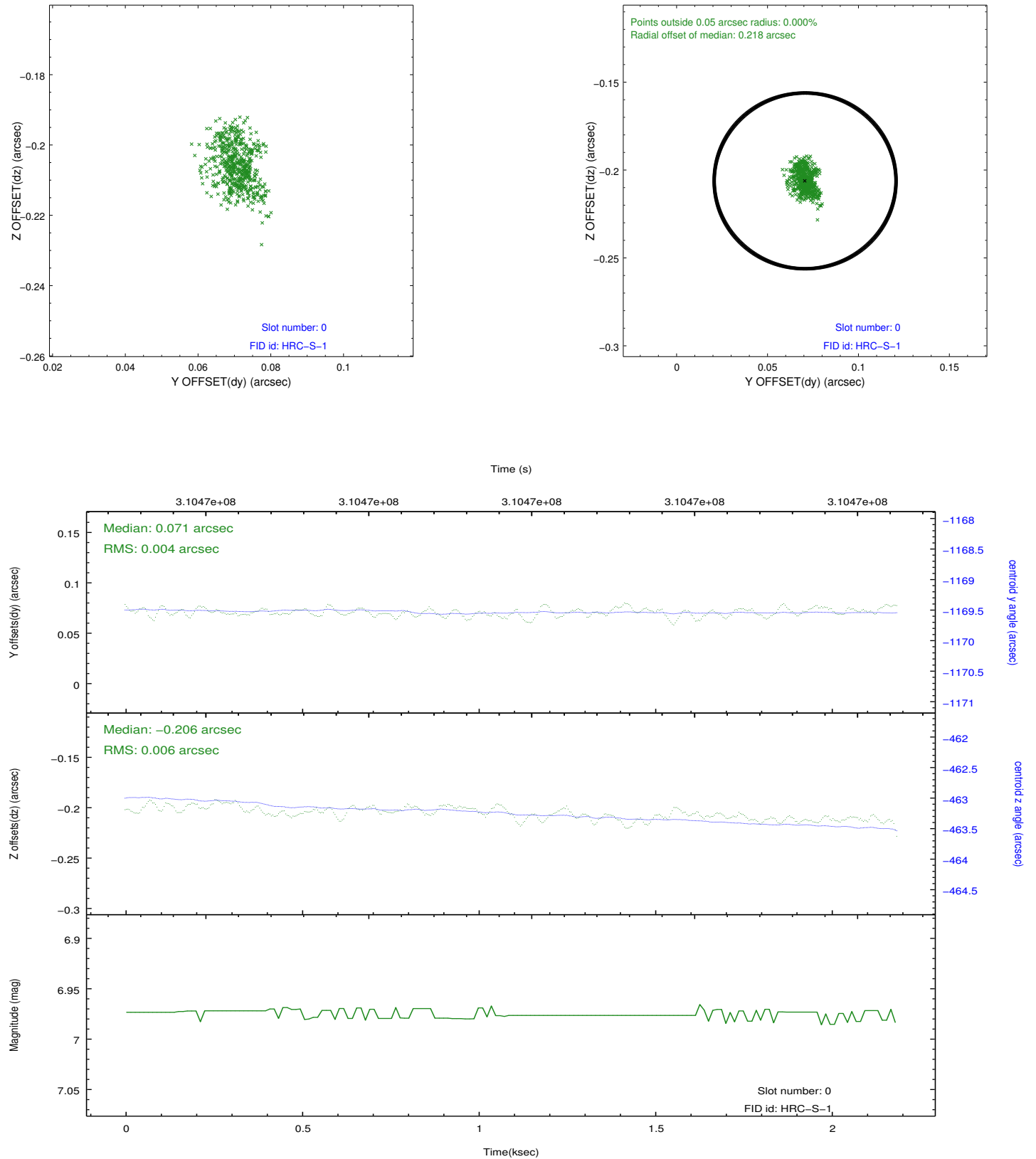


2.4.5 Slot 7

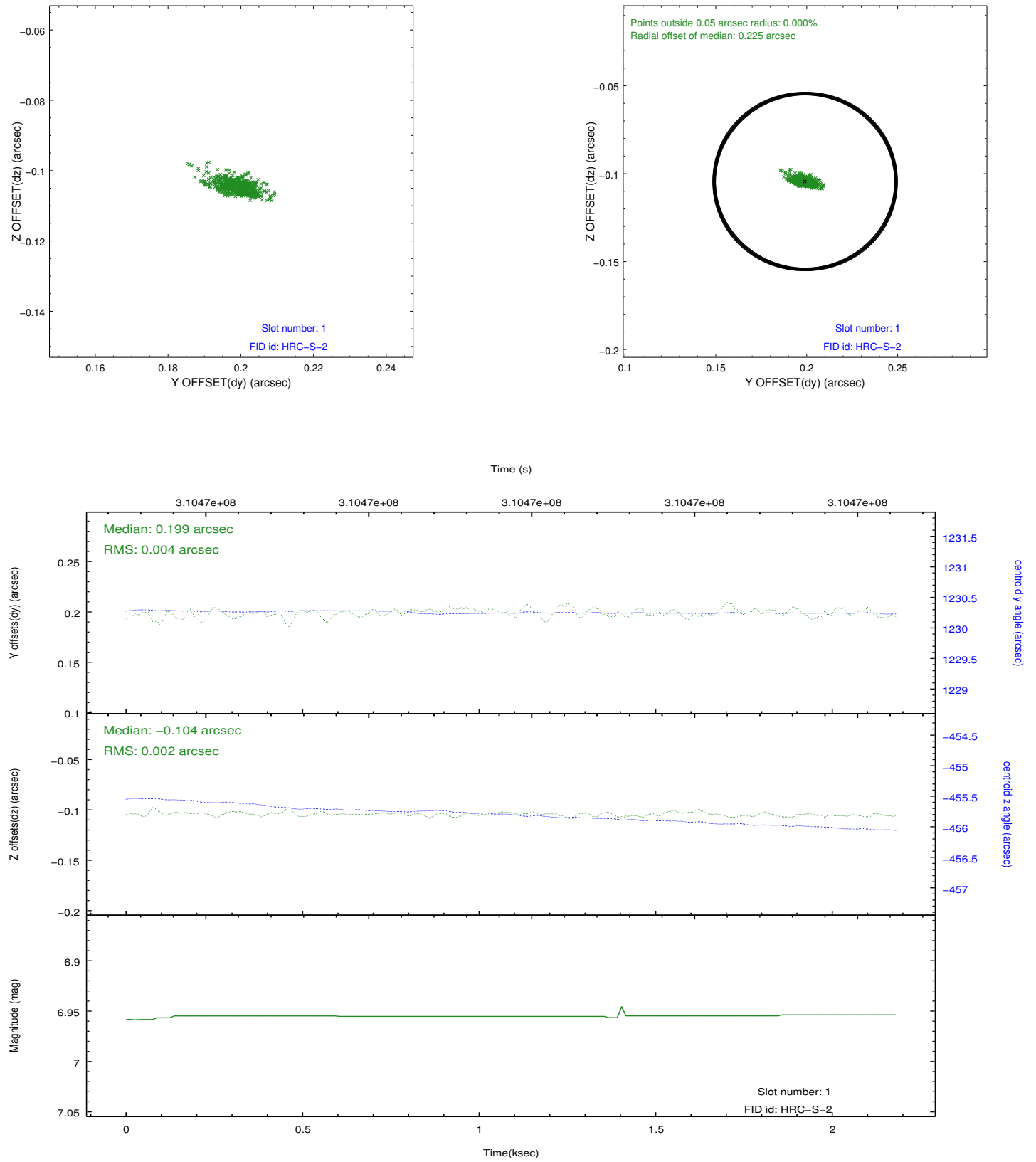


2.5 FID Slots

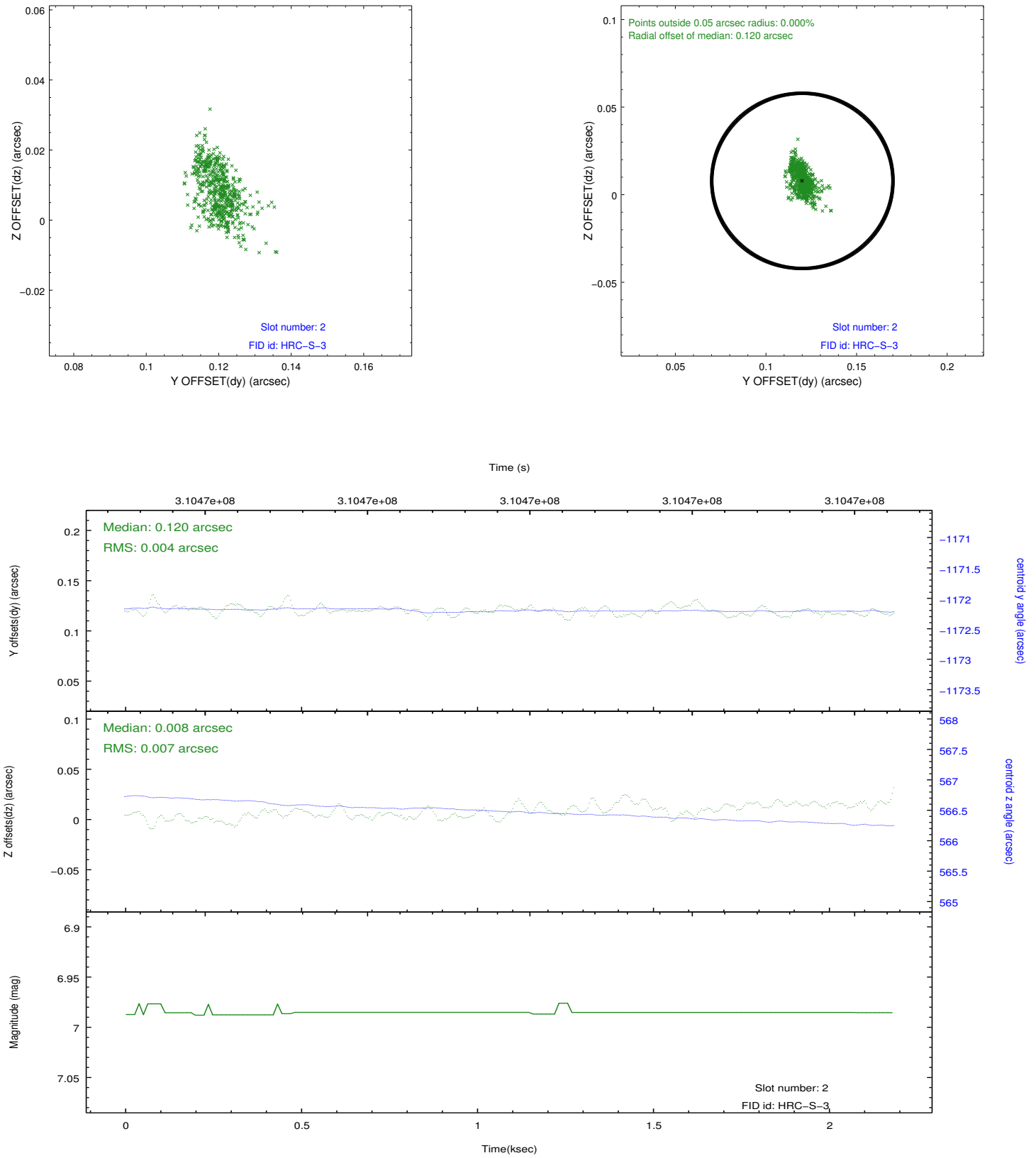
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

| | |
|----------------------------|------------|
| V&V Scientist | Jen Lauer |
| V&V Date (YYYY-MM-DD) | 2012.08.16 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 2.18658135 |

A.2 Comments

Window constraint met.