

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8276 - L2 Version 5  
Chandra X-Ray Center

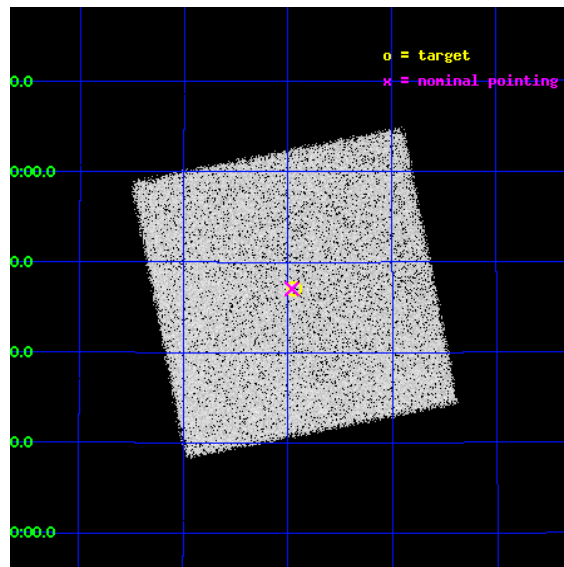
L2 Processing Date : Aug 11 2012

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# 1 Front

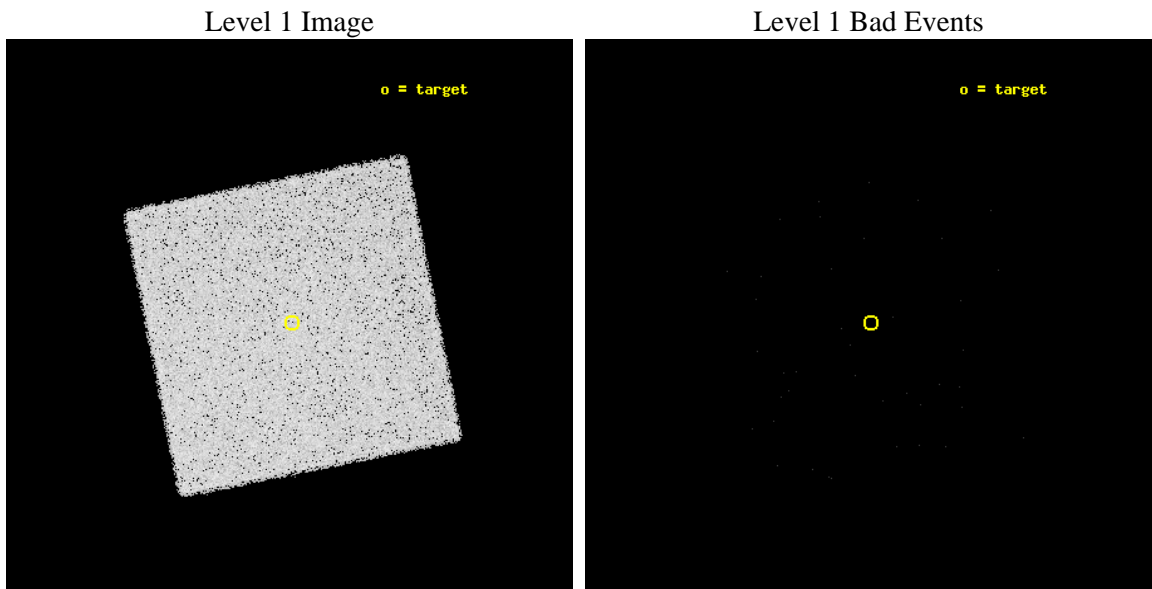
seq_num	290655	Sequence number
obs_id	8276	Observation id
title	AO8 Measurements of the optical/UV Transmission of the HRC Filters.	&#160
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.24047554339	Nominal RA [deg]
dec_nom	38.784436552673	Nominal Dec [deg]
roll_nom	33.703263404027	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2188.6313537955	[s]
liveltime	2167.8904086541	Ontime multiplied by DTCOR
l2events	116892	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2188.6313537955	[s]
caldbver	4.5.1.1	&#160	l1events	199714	Number of level 1 events
date	2012-08-11T19:05:53	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

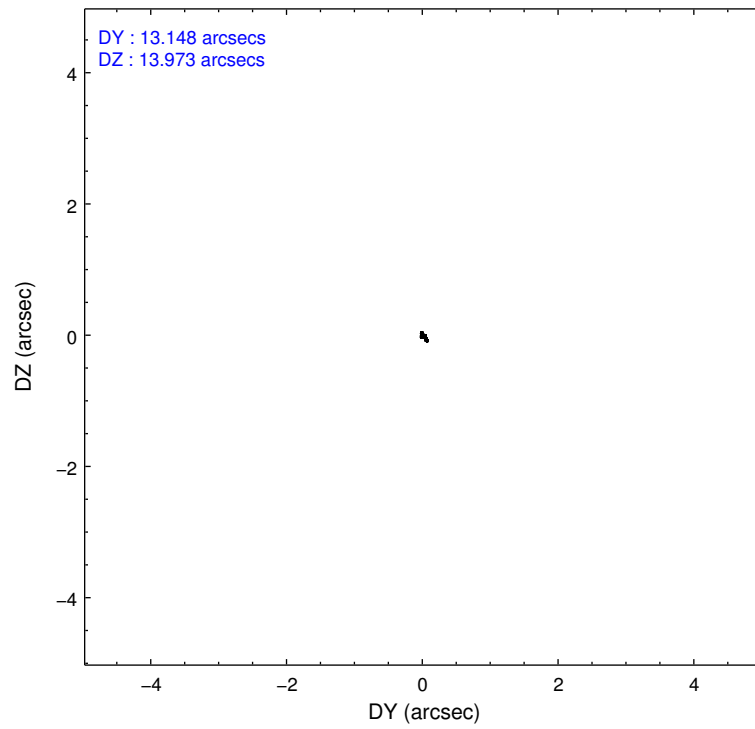
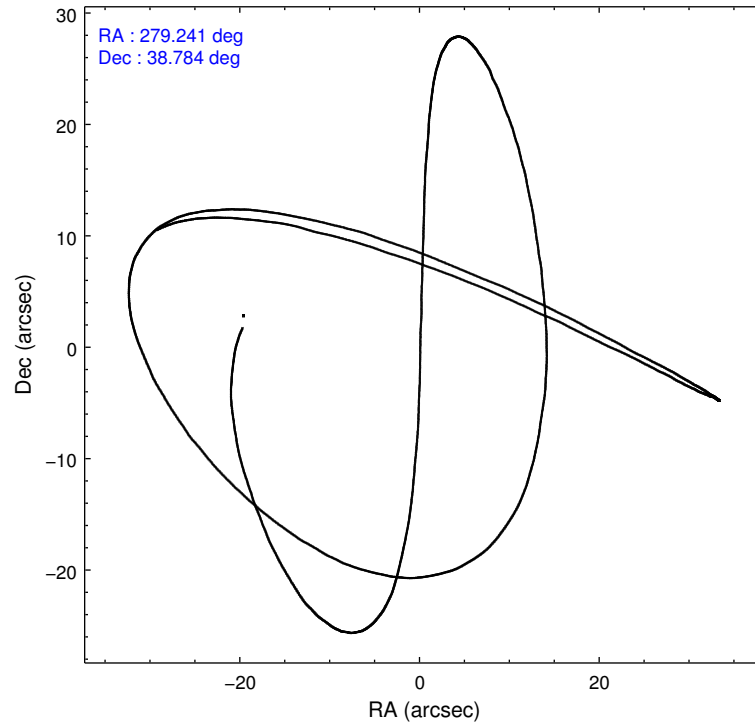
#### Level 1 Events

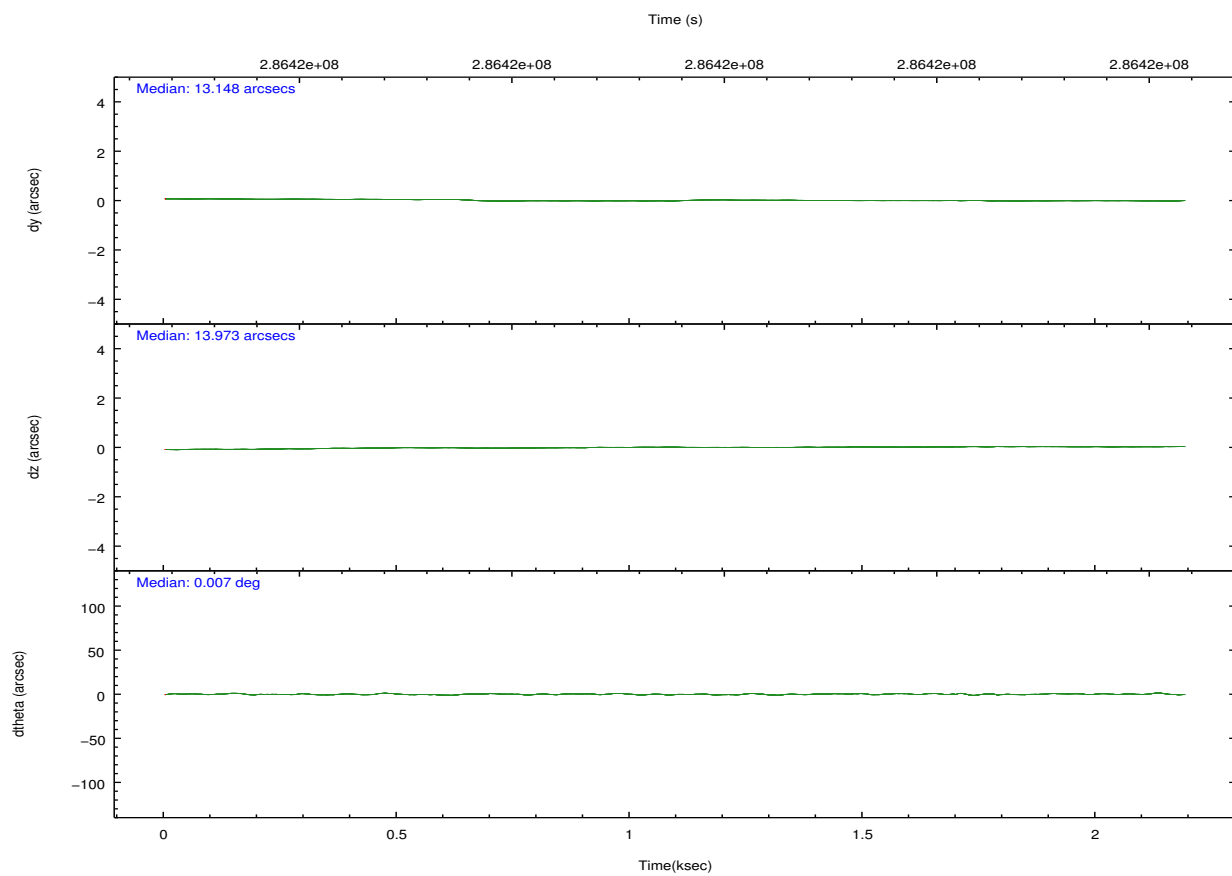
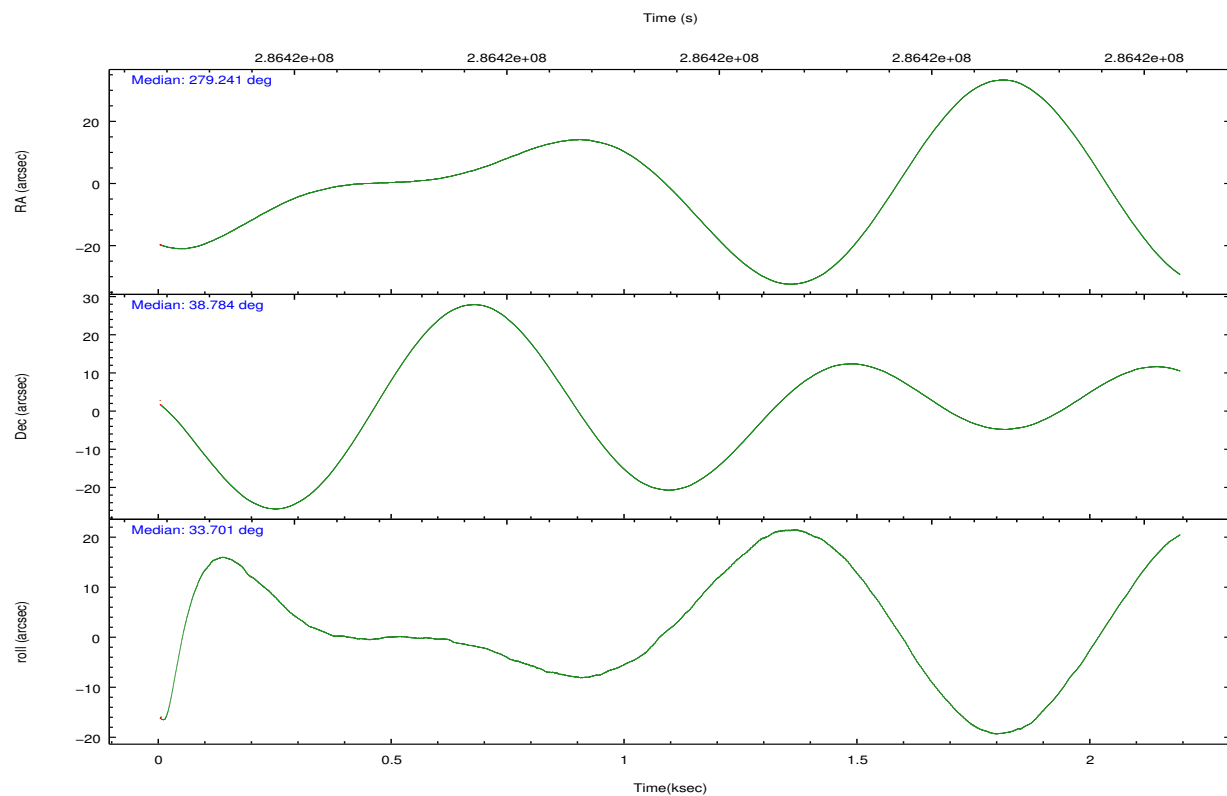
	<b>segment 0</b>
level 1 events	199714
rejected events	25354
rejected %	12%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.225571	279.2404755433875			
[deg] Pointing Dec	38.760000	38.78443655267287			
[deg] Pointing Roll	33.808322	33.70326340402664			
[s] Window start time (MET)	281318465.184000	281318465.184000			
[s] Window stop time (MET)	289008065.184000	289008065.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	286417473.184000	286416860.89477			
Observation start date	2007-01-29T00:23:28	2007-01-29T00:14:20			
[s] Observation end time (MET)	286419473.184000	286419607.3824			
Observation end date	2007-01-29T00:56:48	2007-01-29T01:00:07			

## 2.3 Aspect





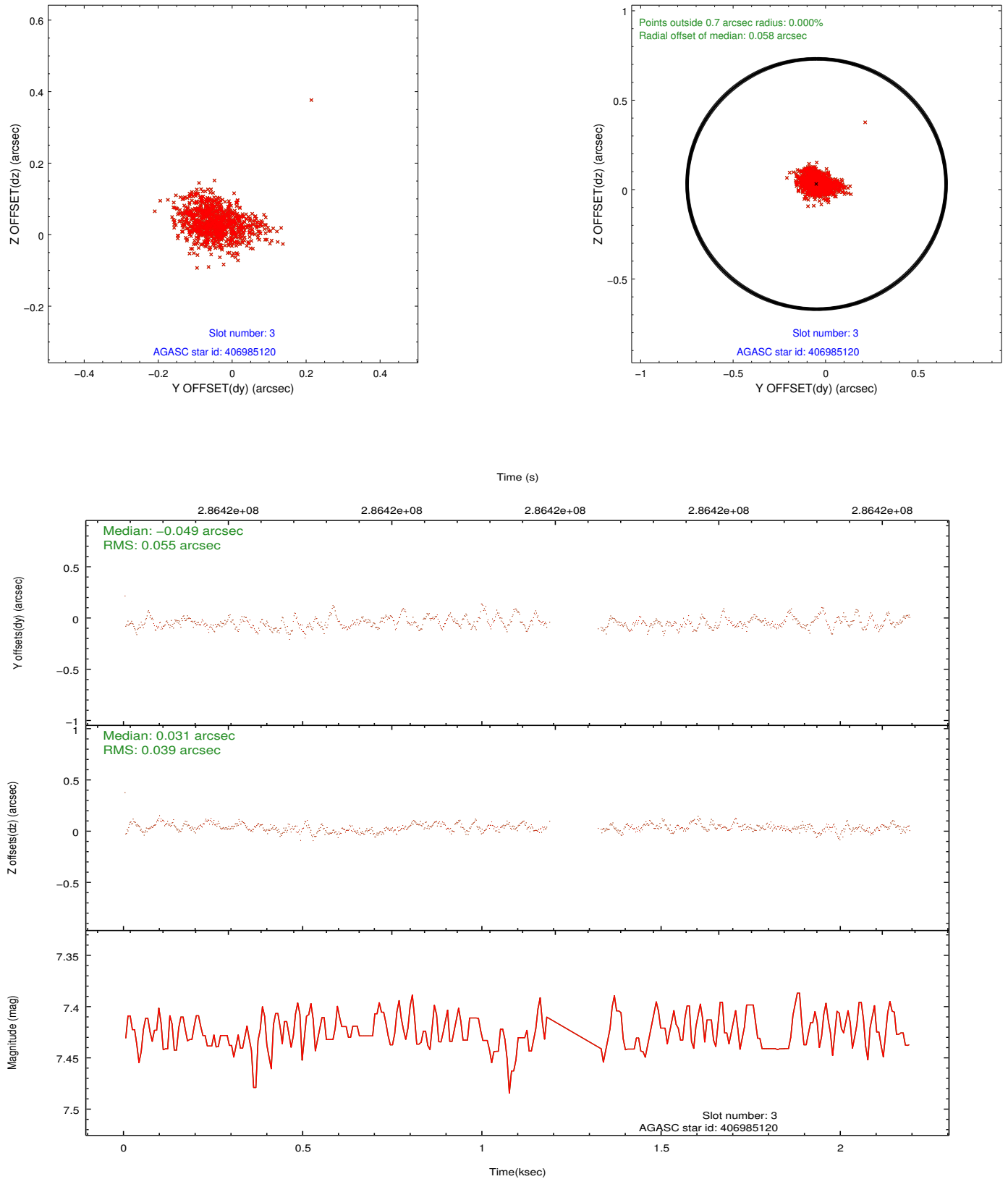
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	535	0.115	-0.080	0.007	0.011	0.000000	0.000000	843.87	-1303.64
1	FID	HRC-I-3	7.05	535	-0.106	0.050	0.007	0.011	0.000000	0.000000	-1195.95	1000.13
2	FID	HRC-I-4	6.99	535	0.110	-0.056	0.007	0.013	0.000000	0.000000	1271.73	1002.00
3	BAD	406985120	7.43	998	-0.049	0.031	0.068	0.117	278.839732	38.894839	-628.19	1008.06
4	GUIDE	406987272	6.94	1069	0.005	-0.126	0.061	0.091	278.536588	38.437504	-2256.59	124.63
5	GUIDE	406989616	8.24	1069	0.056	0.083	0.071	0.117	279.202881	38.520843	-534.01	-678.58
6	GUIDE	406993992	7.62	1069	-0.022	0.072	0.060	0.091	279.053714	38.034587	-1857.88	-1898.27
7	GUIDE	407521232	8.65	1068	0.004	-0.052	0.073	0.113	279.628883	39.431715	2277.14	1386.70

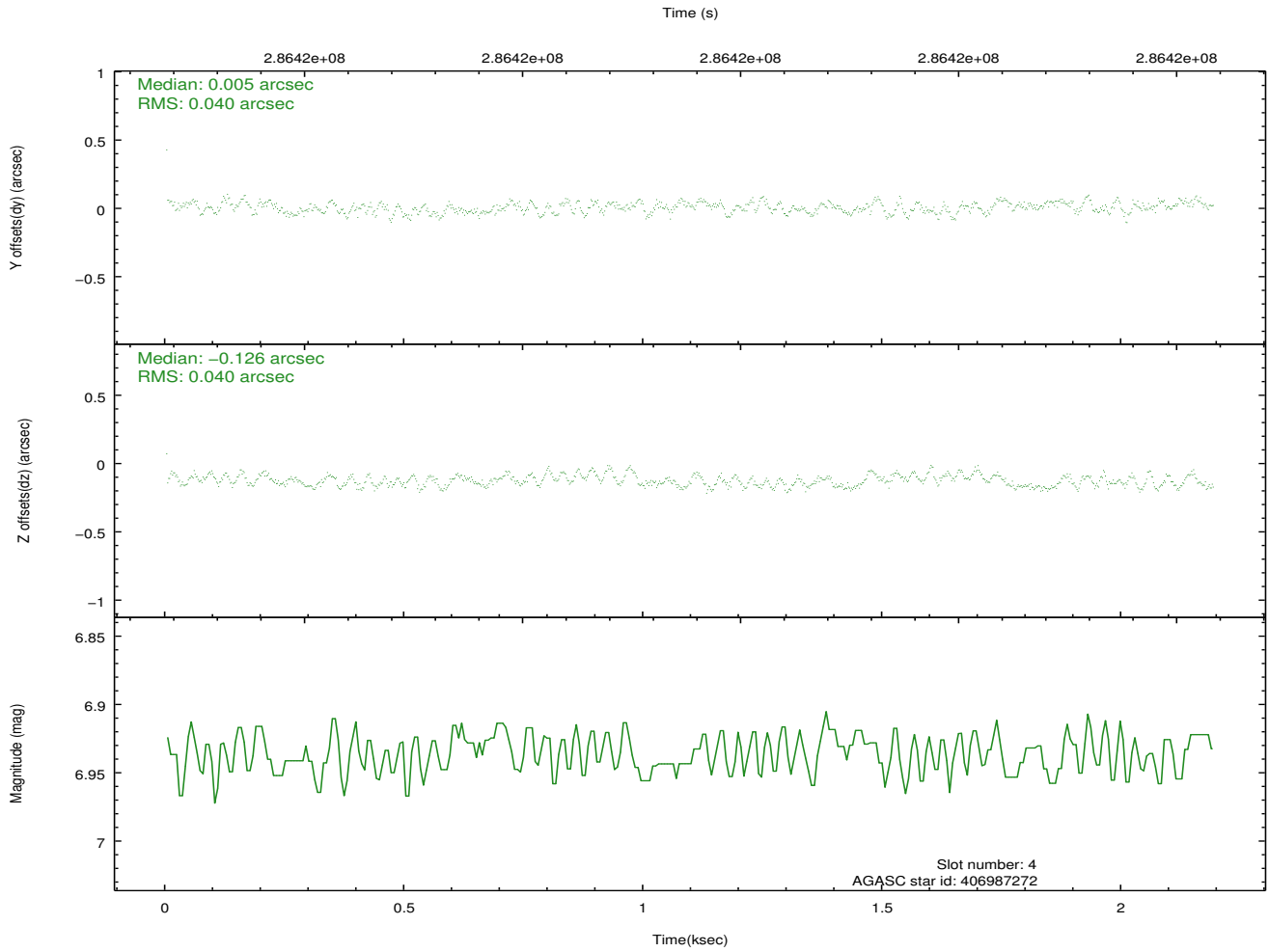
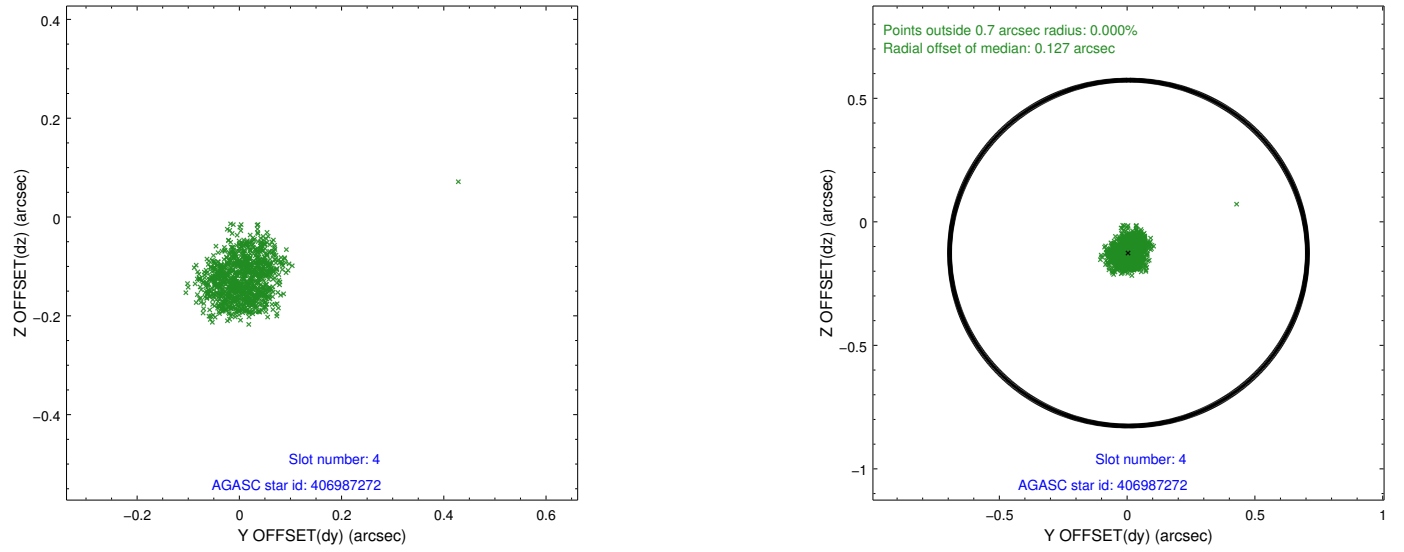


## 2.4 Star Slots

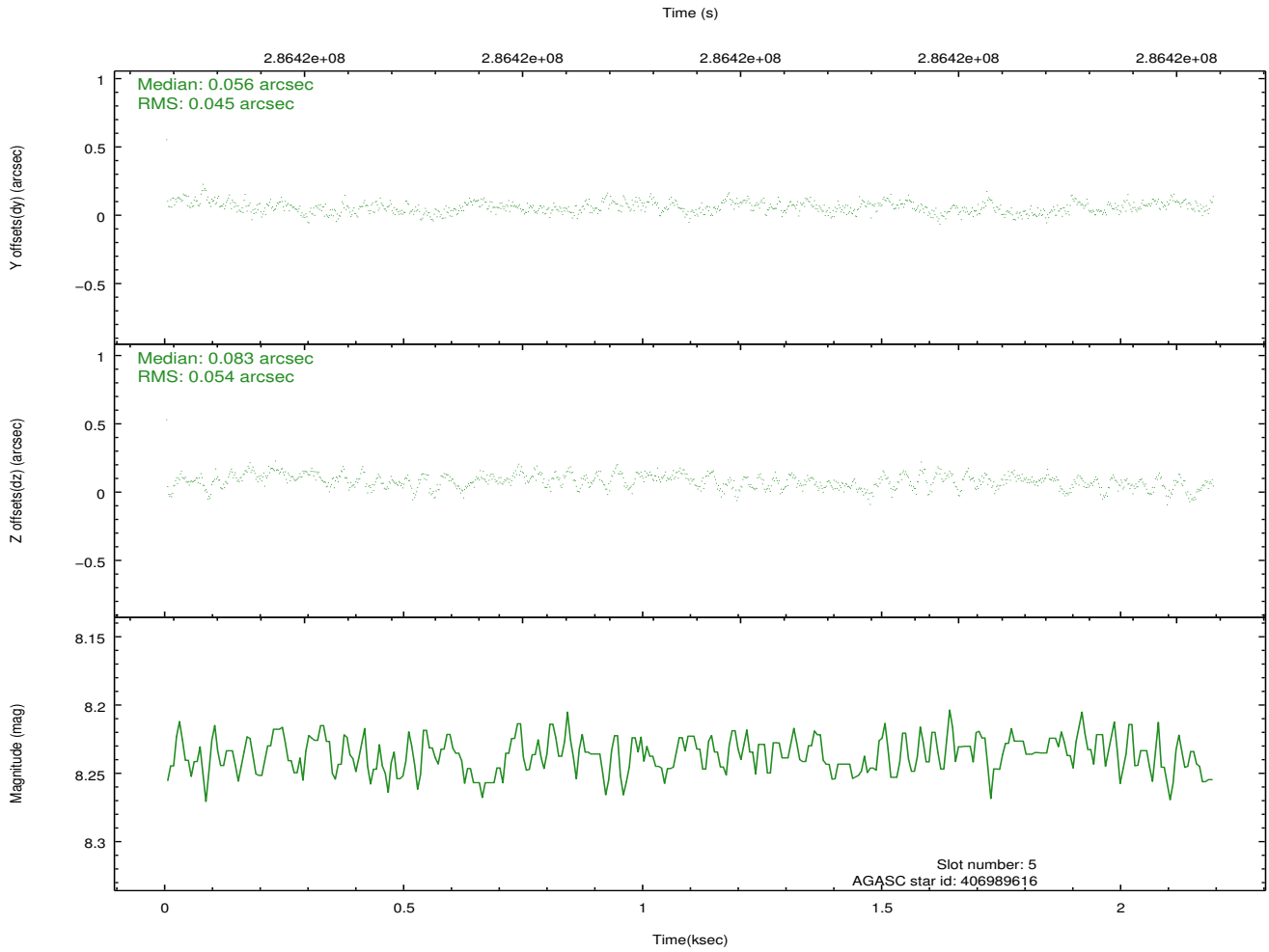
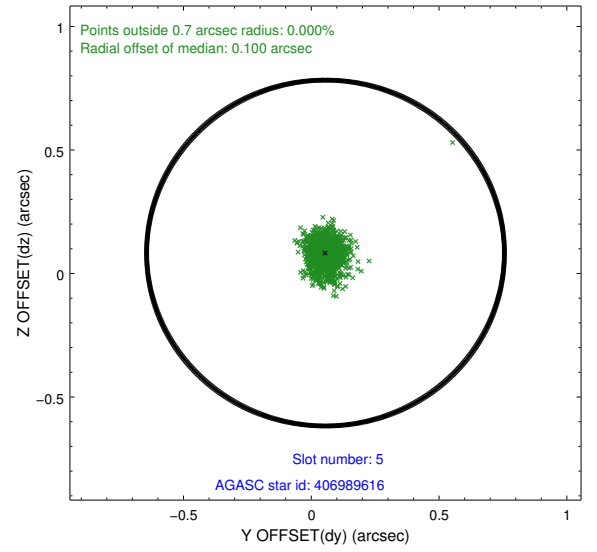
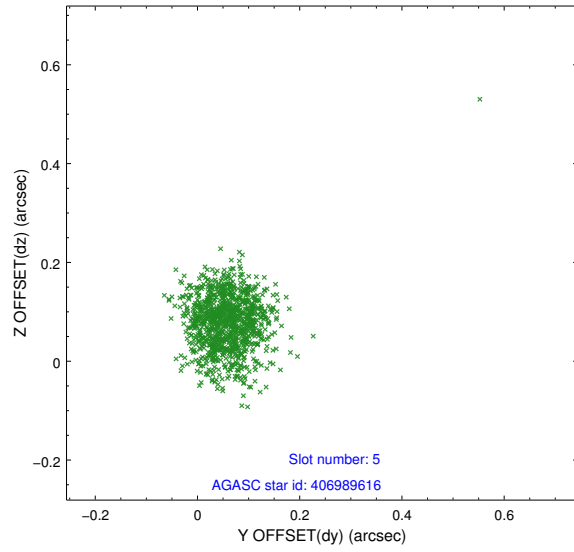
### 2.4.1 Slot 3



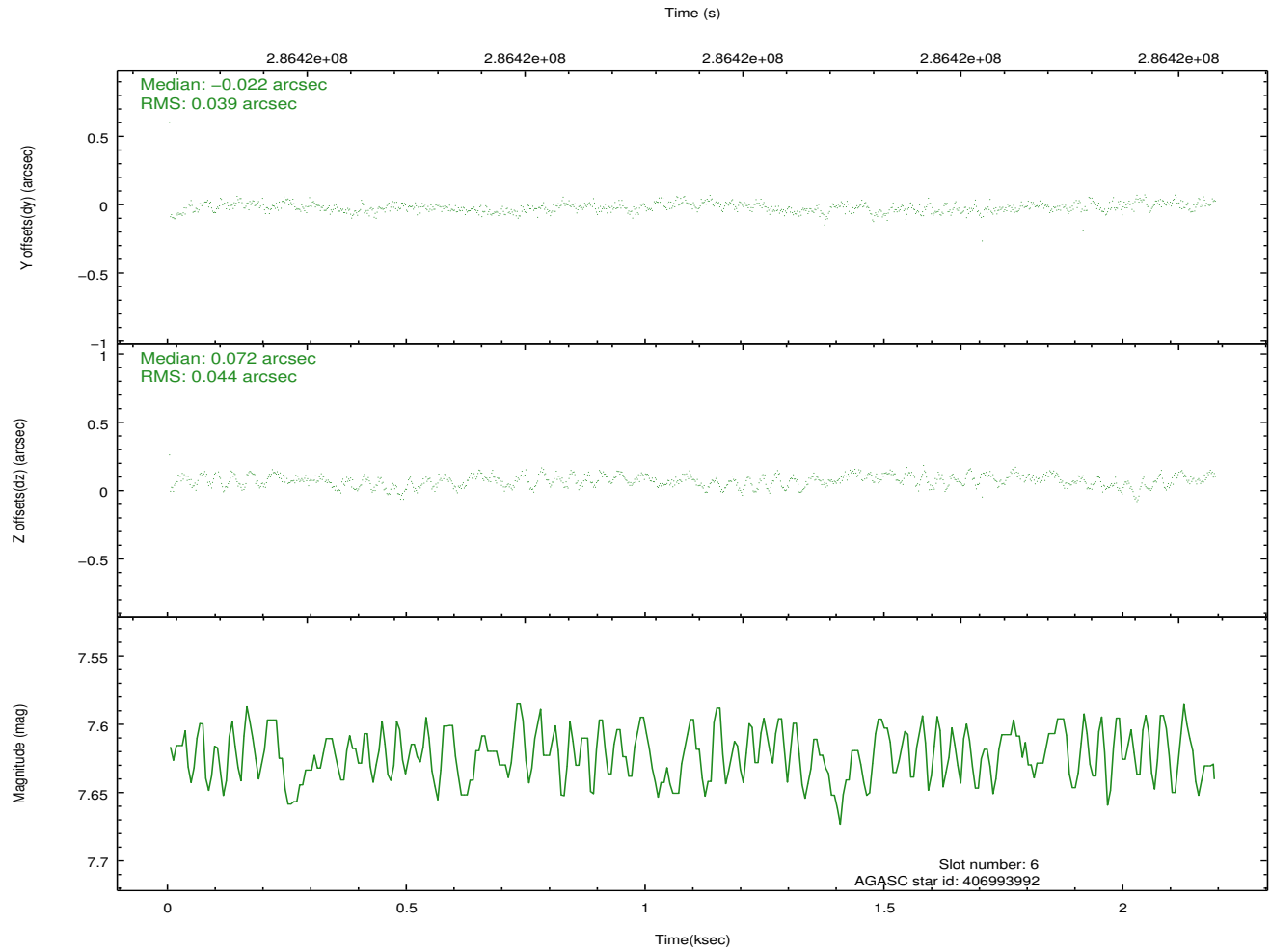
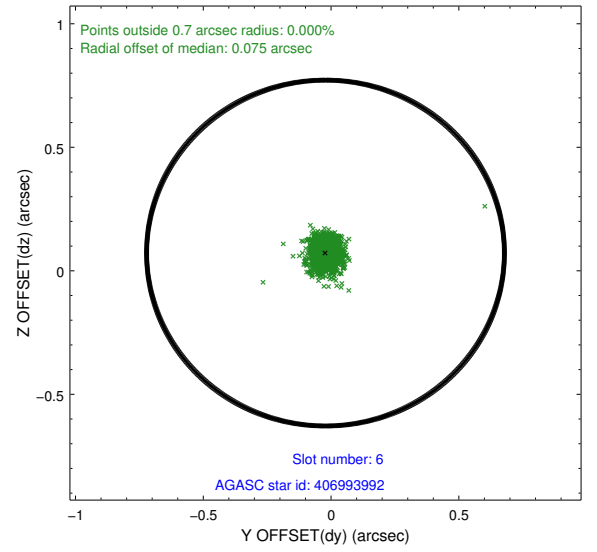
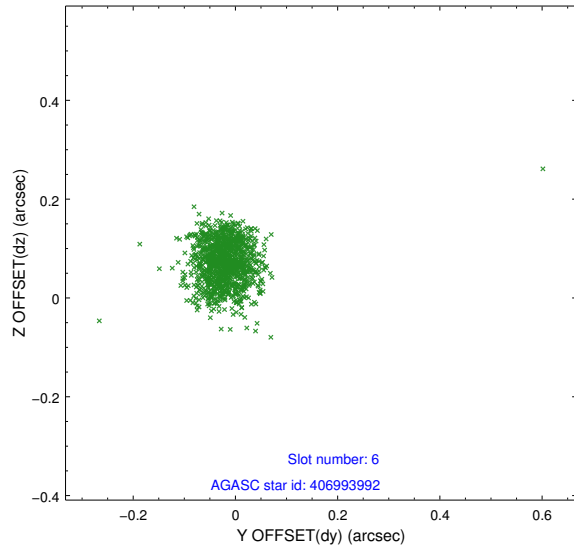
## 2.4.2 Slot 4



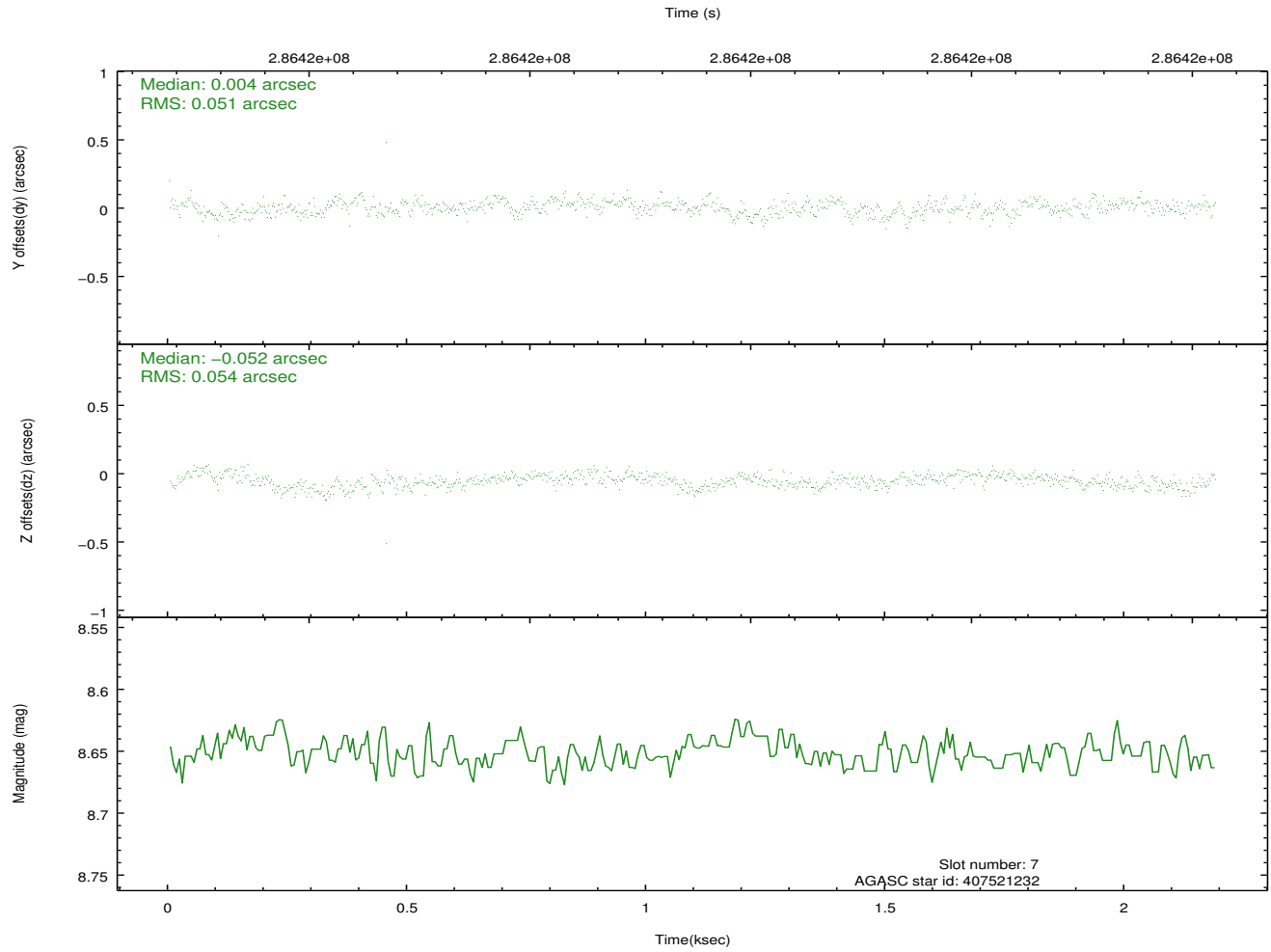
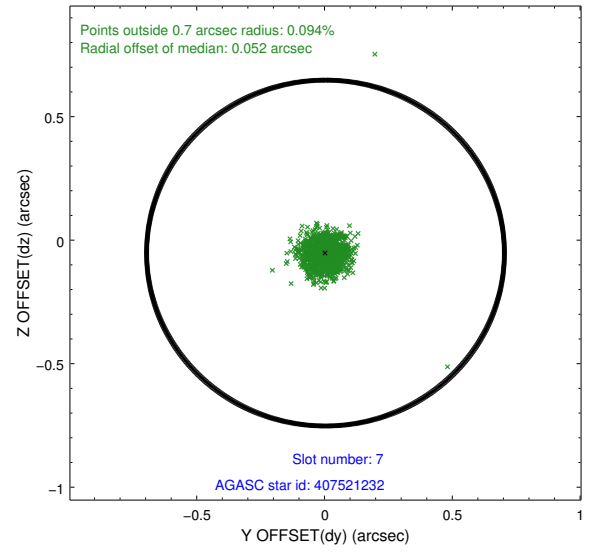
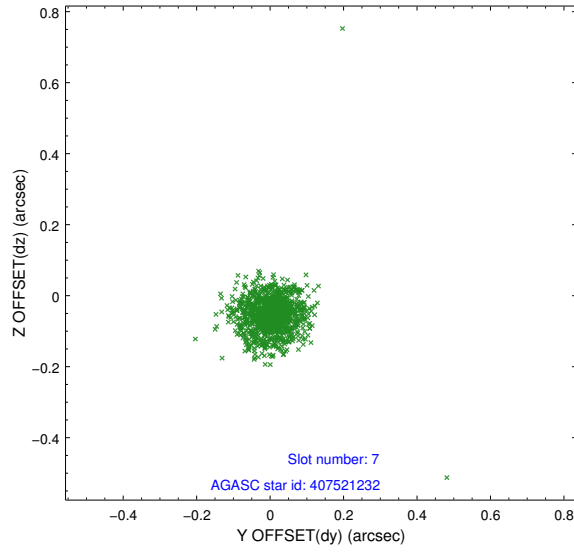
### 2.4.3 Slot 5



## 2.4.4 Slot 6

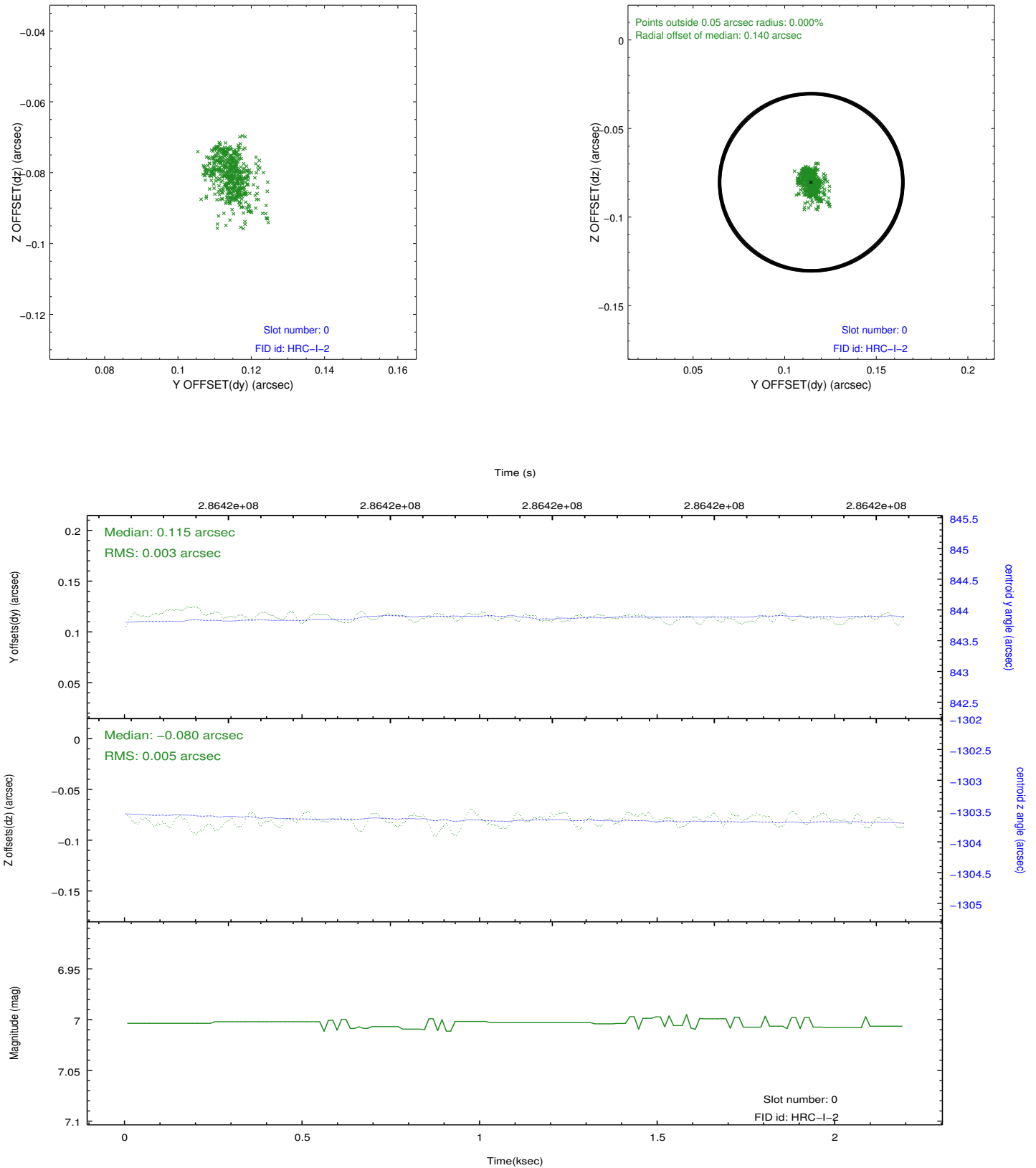


## 2.4.5 Slot 7

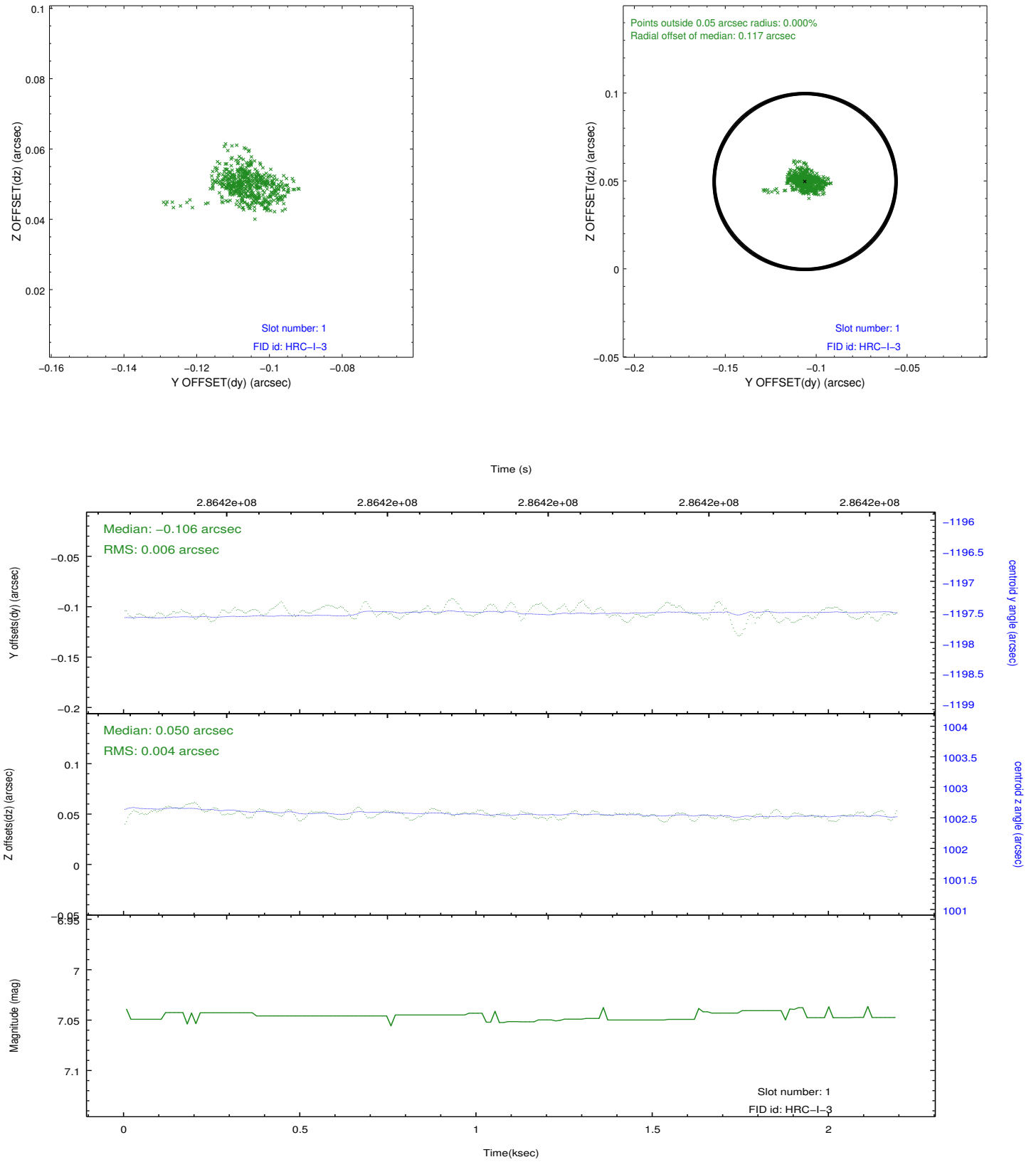


## 2.5 FID Slots

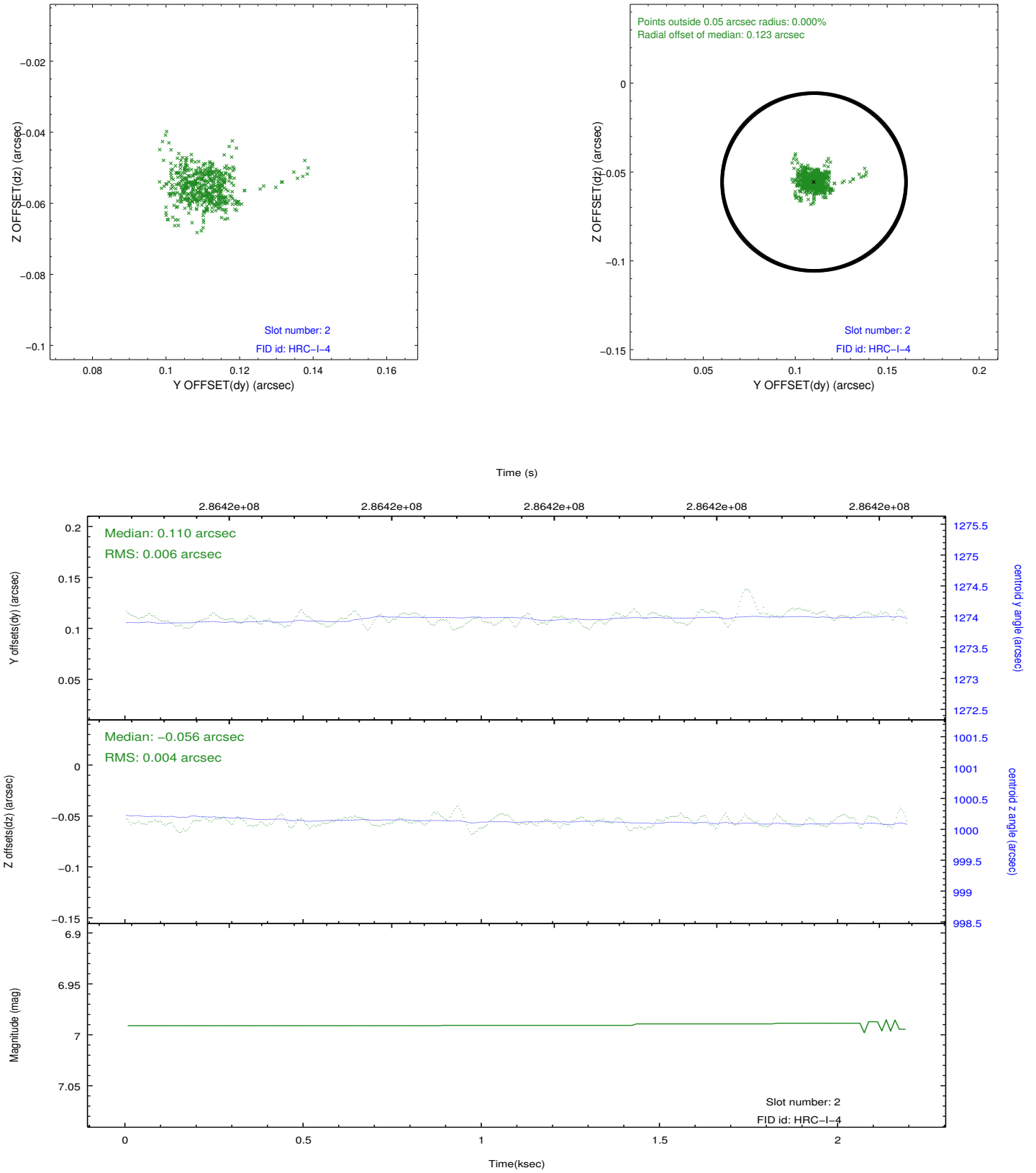
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18863135

### A.2 Comments

Window preference met.