

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3304 - L2 Version 3  
Chandra X-Ray Center

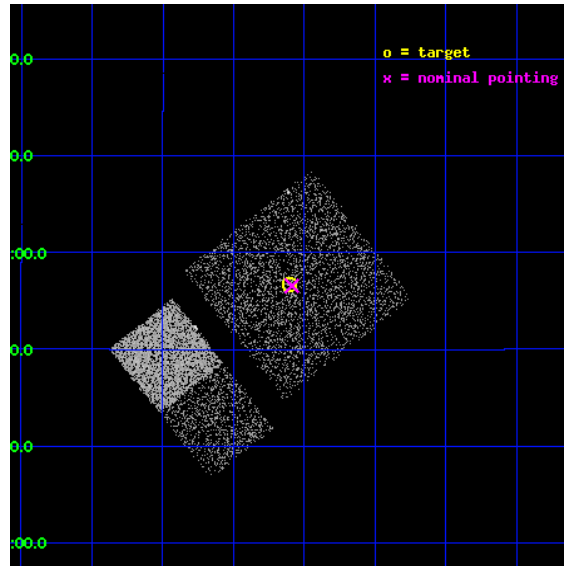
L2 Processing Date : Oct 14 2012

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# 1 Front

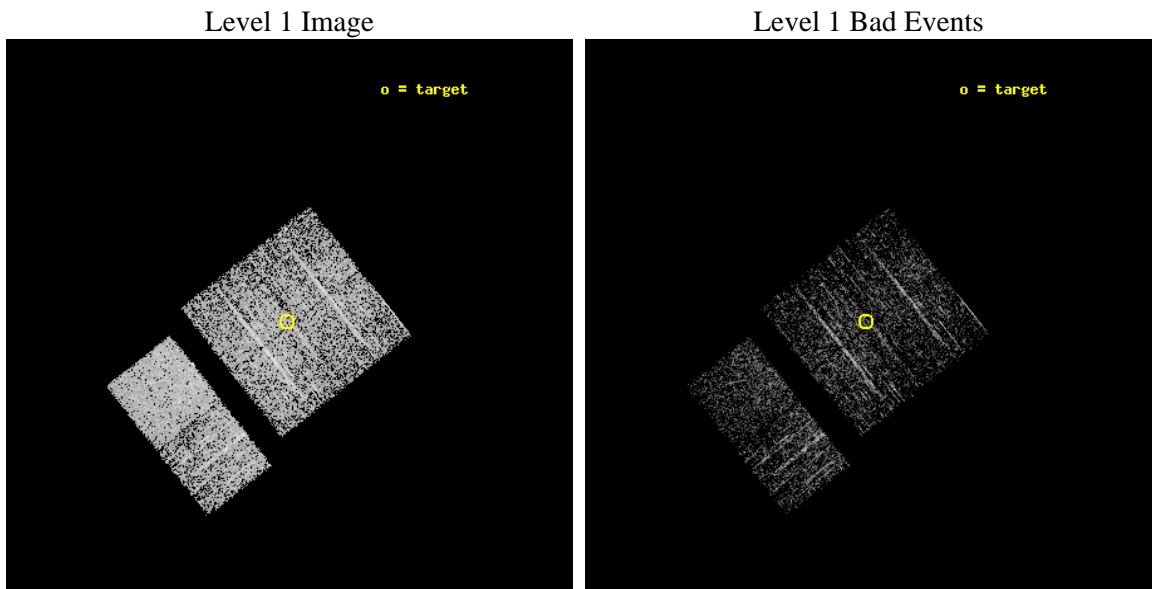
seq_num	900143	Sequence number
obs_id	3304	Observation id
title	A CHEAP COMPLETE WIDE BRIGHT SURVEY	Proposal title
observer	DR. FABIO LA FRANCA	Principal investigator
object	H230236	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	345.650833	Observer's specified target RA [deg]
dec_targ	8.945	Observer's specified target Dec [deg]
ra_nom	345.64689282598	Nominal RA [deg]
dec_nom	8.9427802162216	Nominal Dec [deg]
roll_nom	231.69301337644	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1551.5206758678	Sum of GTIs [s]
livetime	1531.8743868564	Livetime [s]
ontime0	1554.6385161281	Sum of GTIs [s]
ontime1	1554.6795561016	Sum of GTIs [s]
ontime2	1551.4796258509	Sum of GTIs [s]
ontime3	1551.5206758678	Sum of GTIs [s]
ontime6	1554.8437161148	Sum of GTIs [s]
ontime7	1554.8026761115	Sum of GTIs [s]
l2events	12439	Number of level 2 events



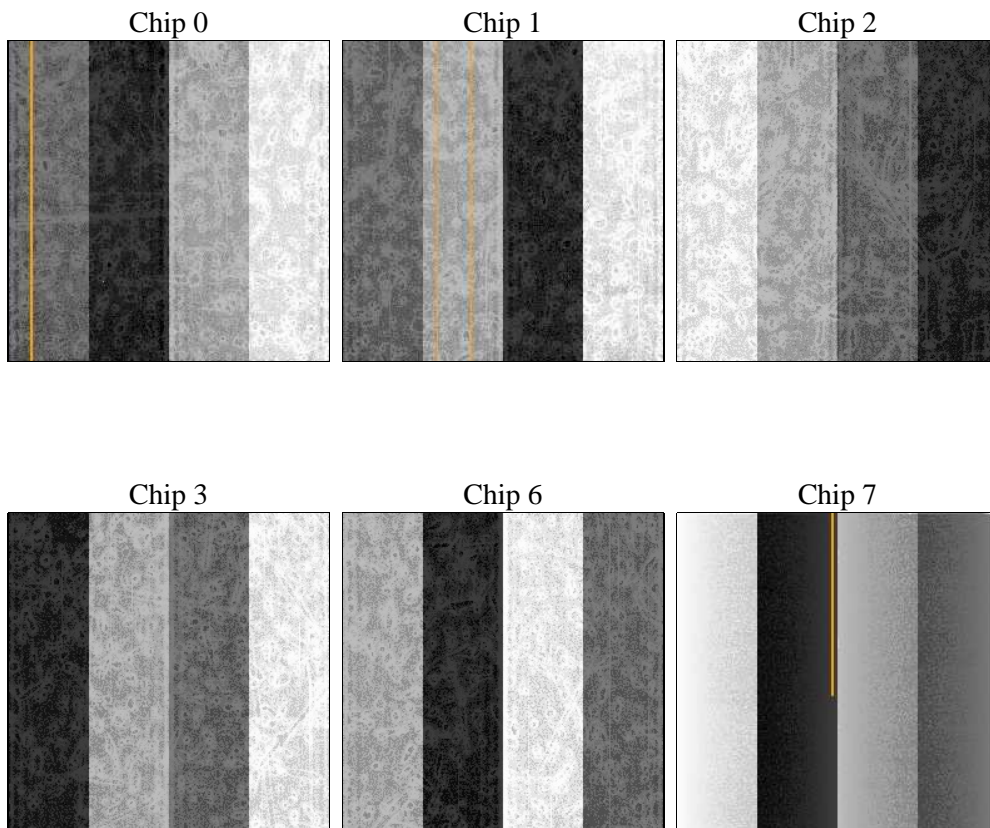
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1456.011000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1551.5206758678	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	1554.6385161281	Sum of GTIs [s]
date	2012-10-14T18:26:50	Date and time of file creation	ontime1	1554.6795561016	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1551.4796258509	Sum of GTIs [s]
			ontime3	1551.5206758678	Sum of GTIs [s]
			ontime6	1554.8437161148	Sum of GTIs [s]
			ontime7	1554.8026761115	Sum of GTIs [s]
			l1events	61824	Number of level 1 events

### 2.1.4 Events

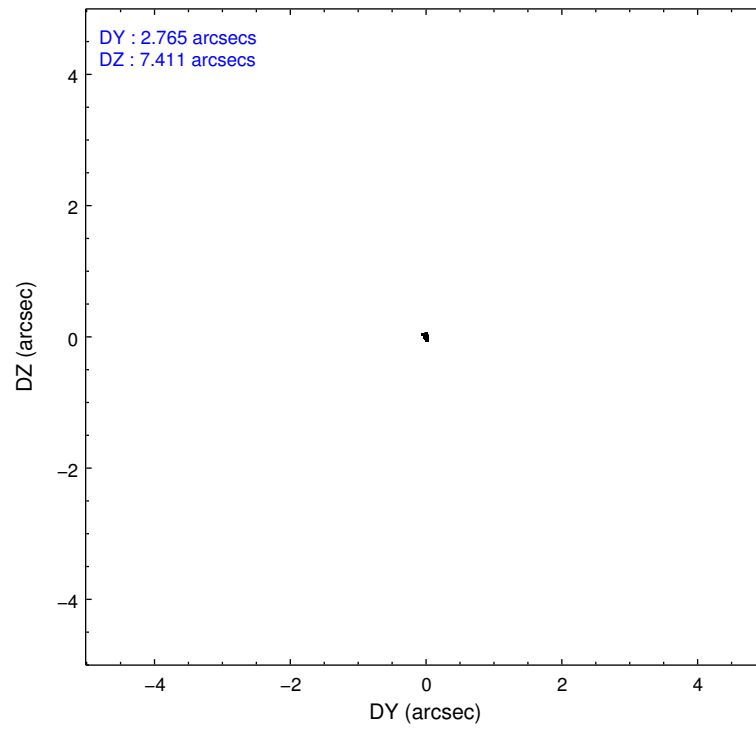
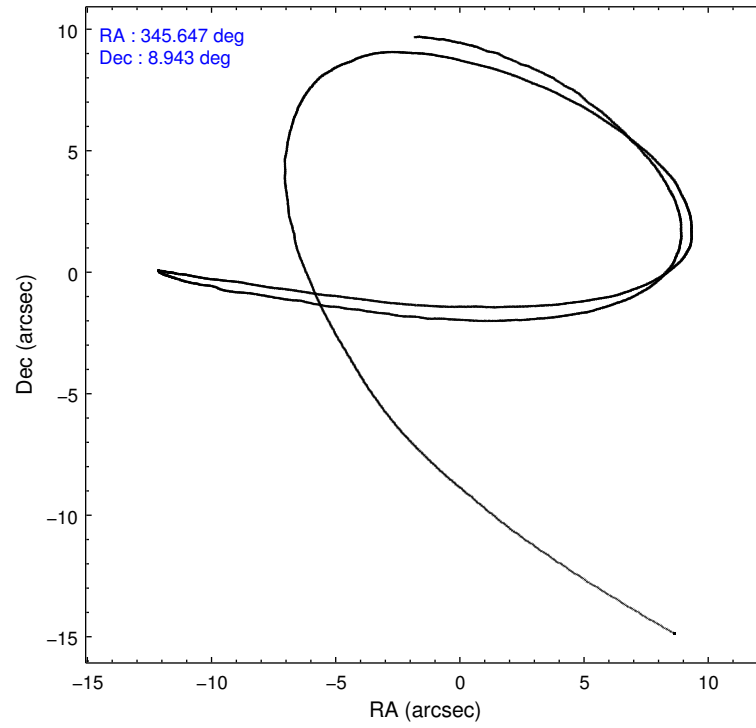
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	8854	8571	10291	9301	10409	14398
rejected events	7592	7206	8981	8010	9057	7539
rejected %	85%	84%	87%	86%	87%	52%

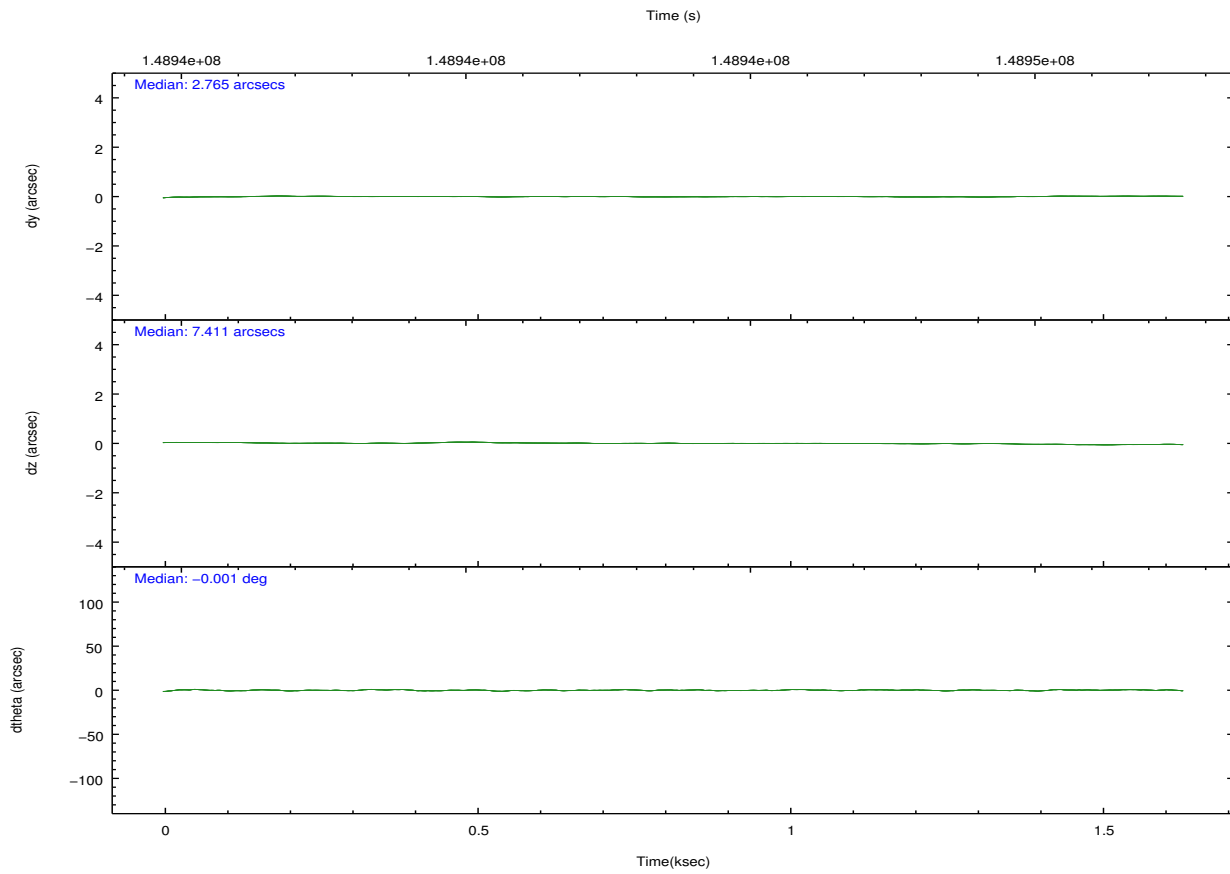
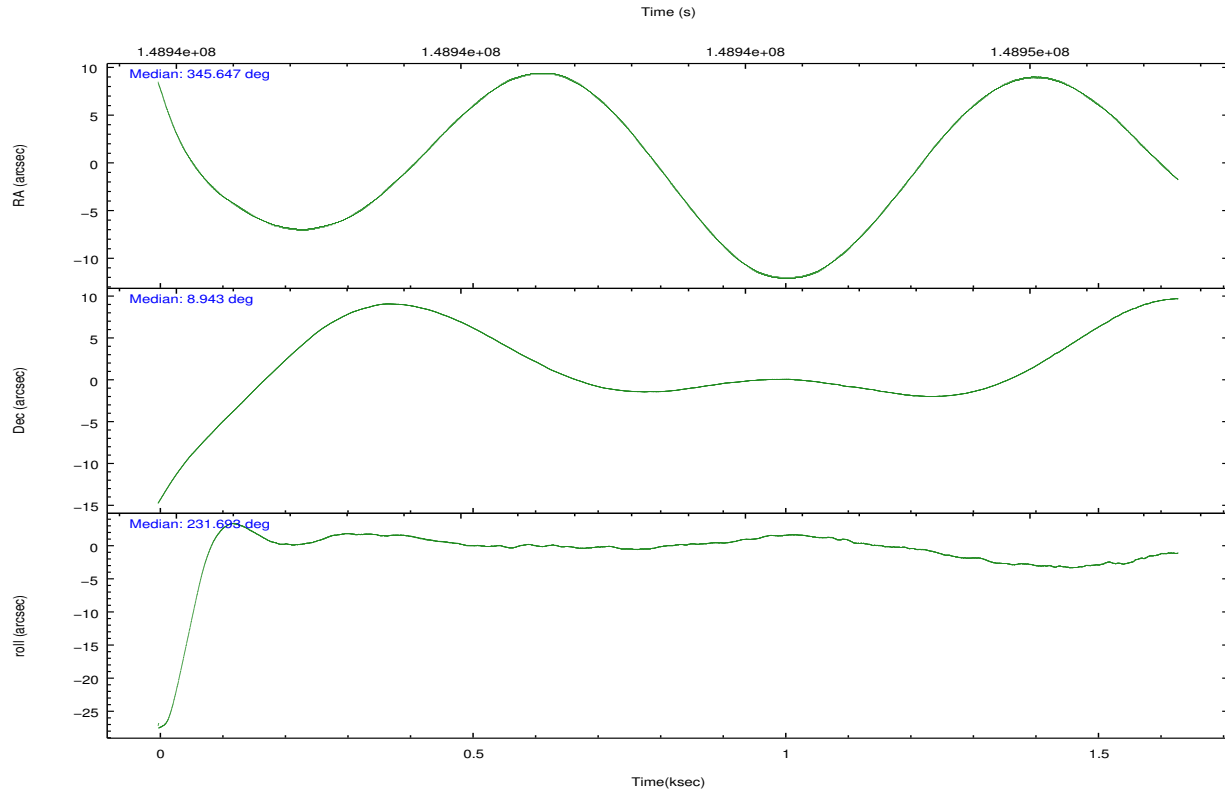
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	561	618	620	634	629	745
	6%	7%	6%	6%	6%	5%
grade 1 events	4	6	3	6	10	15
	0%	0%	0%	0%	0%	0%
grade 2 events	259	276	247	245	280	1360
	2%	3%	2%	2%	2%	9%
grade 3 events	131	115	109	109	109	593
	1%	1%	1%	1%	1%	4%
grade 4 events	101	104	124	118	118	625
	1%	1%	1%	1%	1%	4%
grade 5 events	343	386	398	389	432	1253
	3%	4%	3%	4%	4%	8%
grade 6 events	213	255	213	187	219	3549
	2%	2%	2%	2%	2%	24%
grade 7 events	7242	6811	8577	7613	8612	6258
	81%	79%	83%	81%	82%	43%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	345.650610	345.6468928259822	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.969881	8.94278021622163	Alternating exposures requested	N	N
[deg] Pointing Roll	231.483957	231.6930133764399	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	148944219.184000	148943191.06281			
Observation start date	2002-09-20T21:22:35	2002-09-20T21:06:31			
[s] Observation end time (MET)	148945675.184000	148945990.33792			
Observation end date	2002-09-20T21:46:51	2002-09-20T21:53:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect





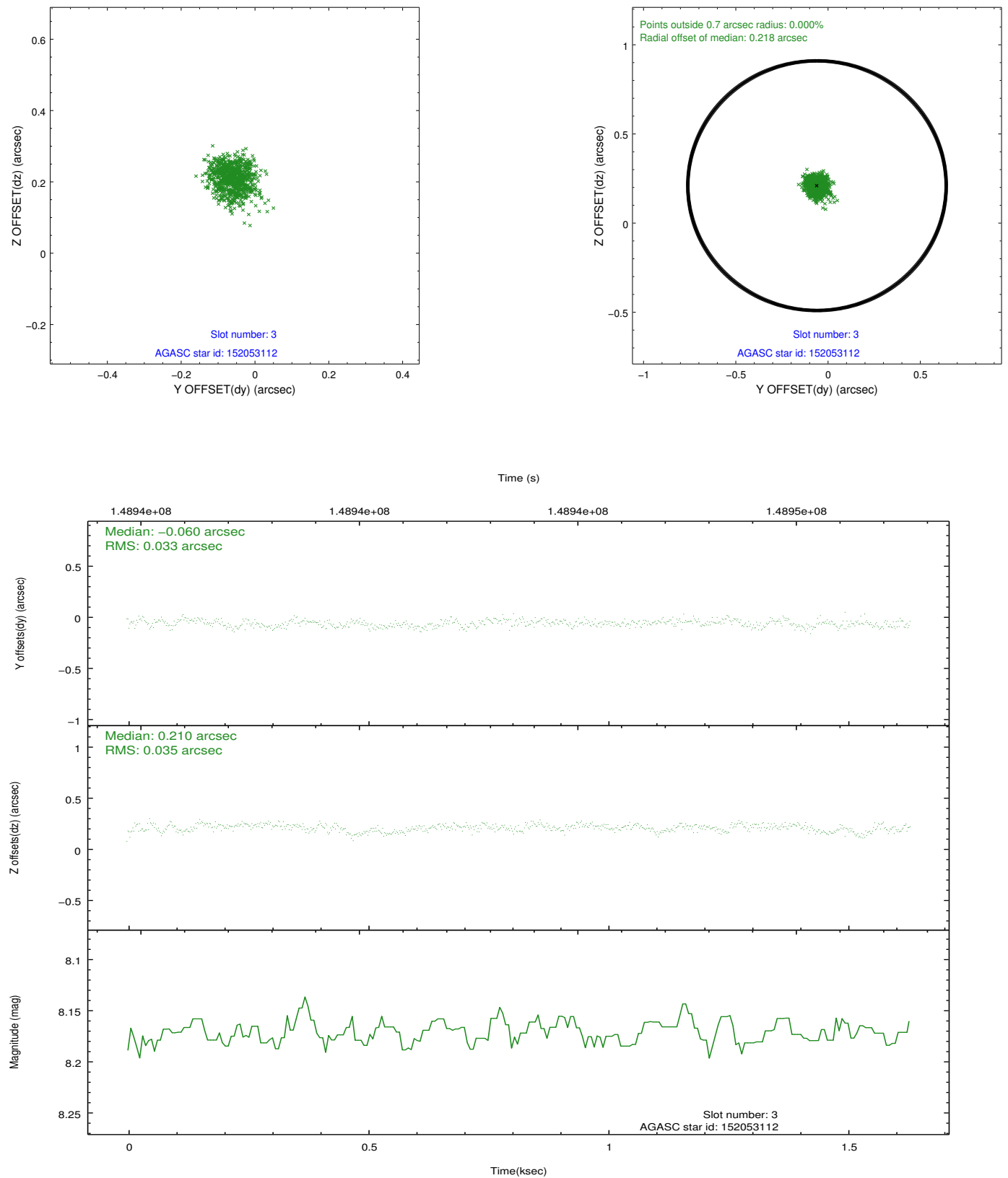
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	398	0.003	0.025	0.006	0.011	0.000000	0.000000	937.02	-830.80
1	FID	ACIS-I-5	7.24	398	-0.068	0.052	0.006	0.010	0.000000	0.000000	-1808.86	1064.75
2	FID	ACIS-I-6	7.26	398	-0.026	-0.006	0.007	0.010	0.000000	0.000000	398.20	1713.74
3	GUIDE	152053112	8.17	797	-0.060	0.210	0.051	0.078	345.154715	8.750450	1716.50	-887.96
4	GUIDE	152048440	8.52	797	-0.039	0.039	0.063	0.106	346.200519	9.070077	-1498.09	1304.20
5	GUIDE	152050776	9.14	797	-0.009	-0.006	0.068	0.124	346.189473	9.345260	-2251.80	658.09
6	GUIDE	152052088	8.99	797	0.019	-0.117	0.068	0.109	345.509667	8.677615	1133.32	264.63
7	GUIDE	152051576	8.87	796	0.095	-0.121	0.060	0.098	345.475827	8.657019	1270.69	215.96

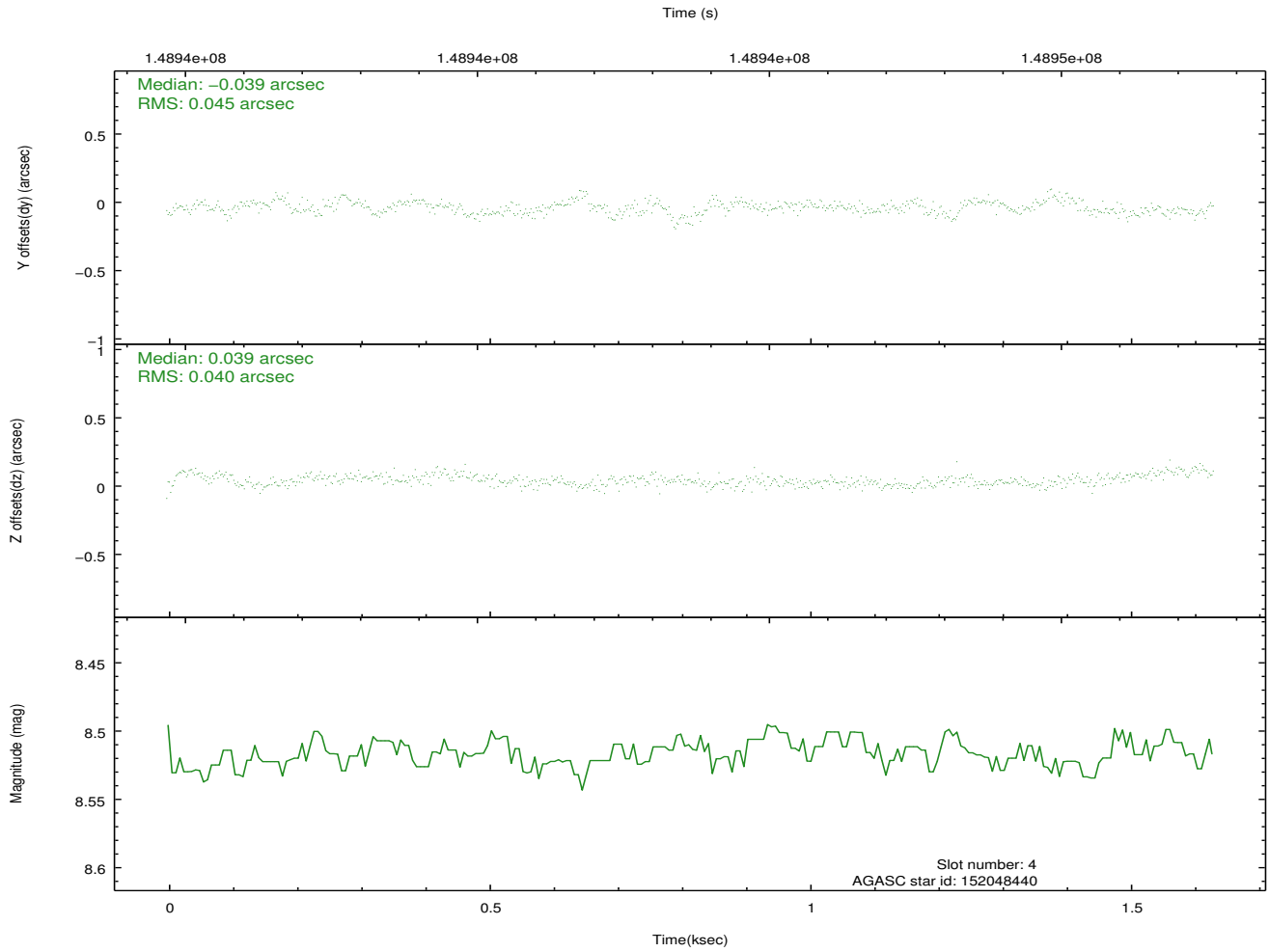
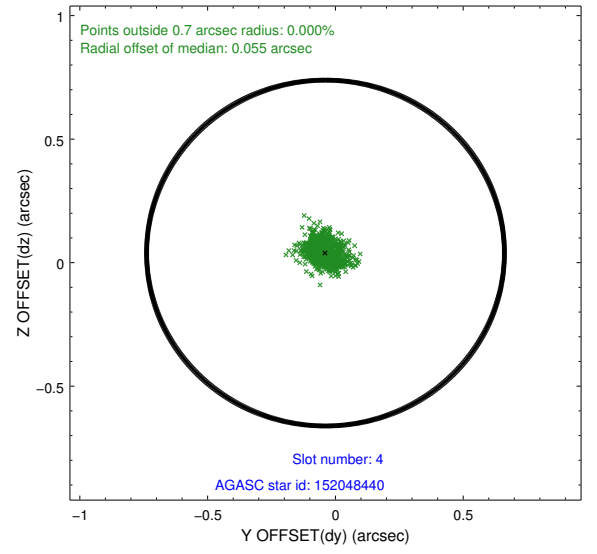
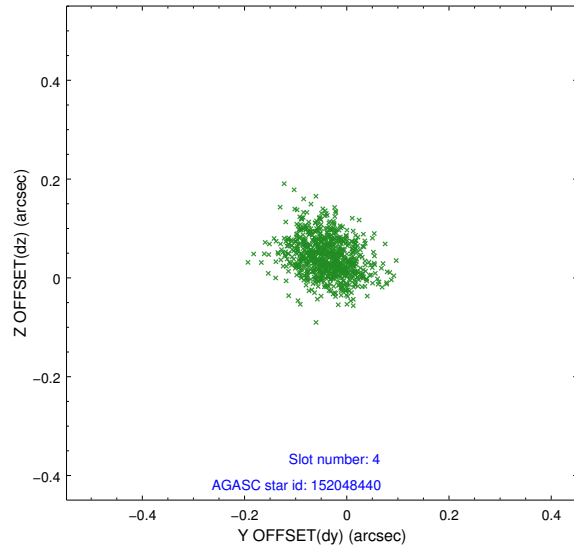


## 2.4 Star Slots

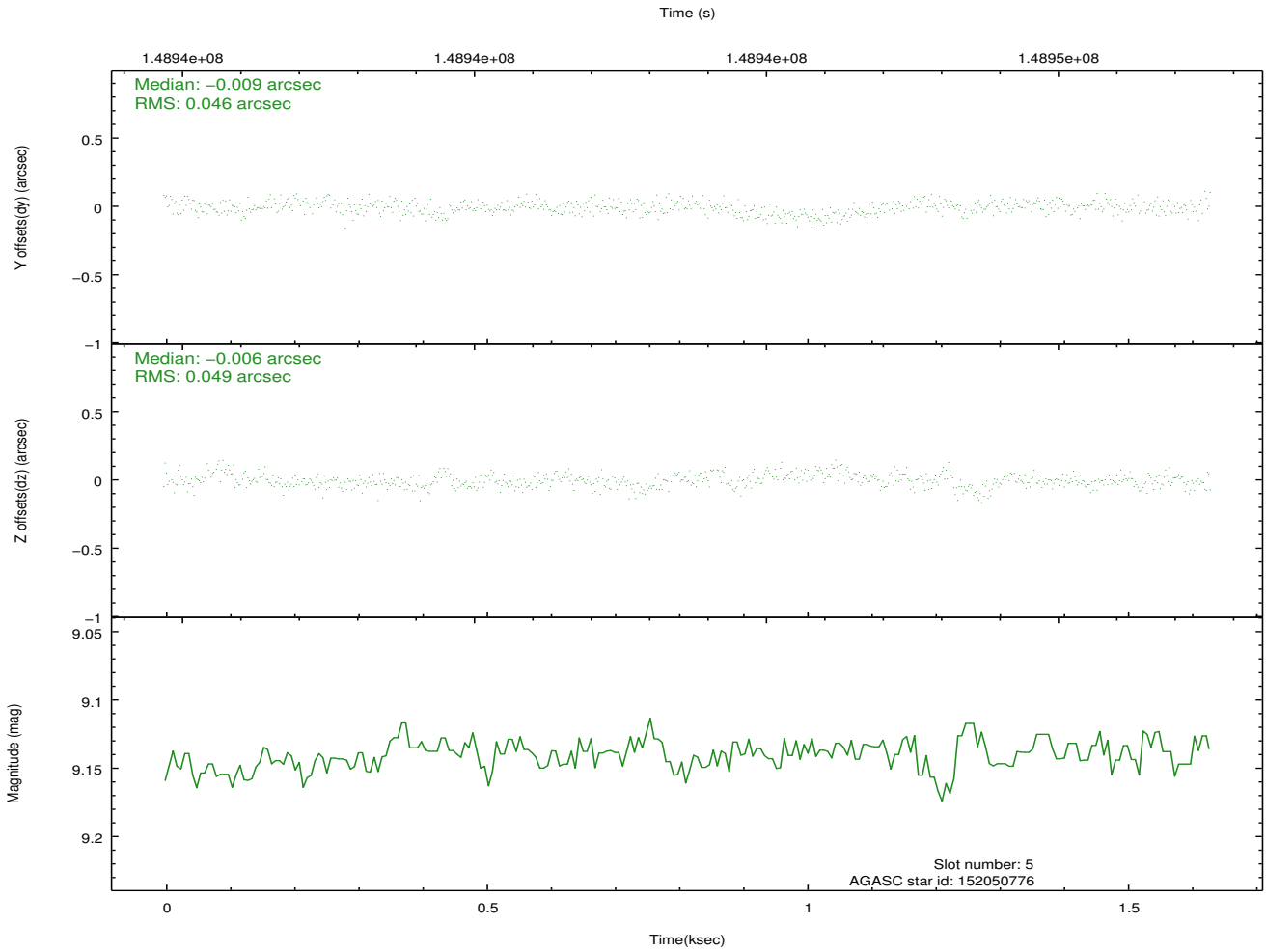
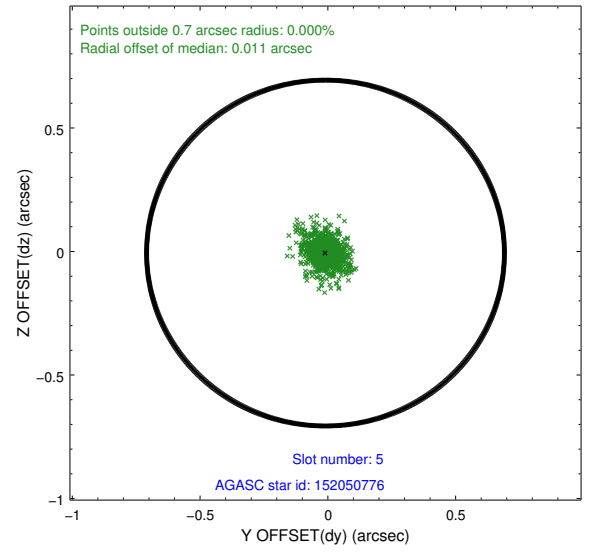
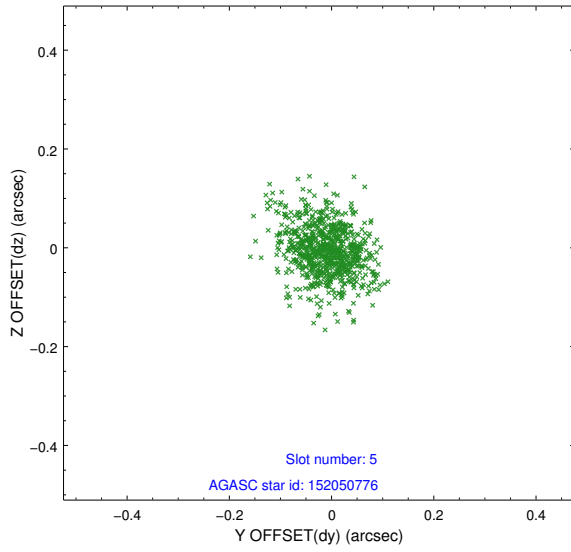
### 2.4.1 Slot 3



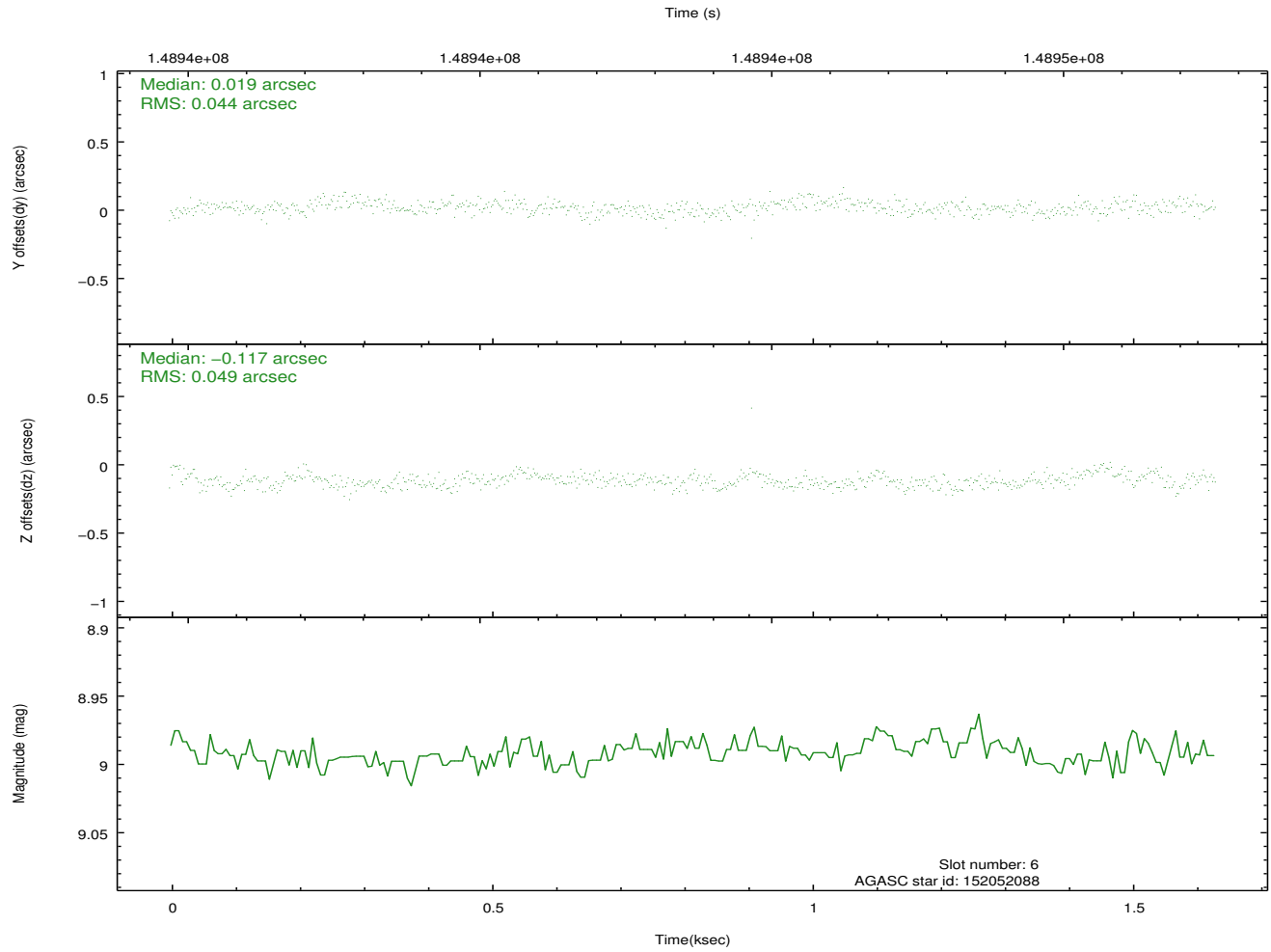
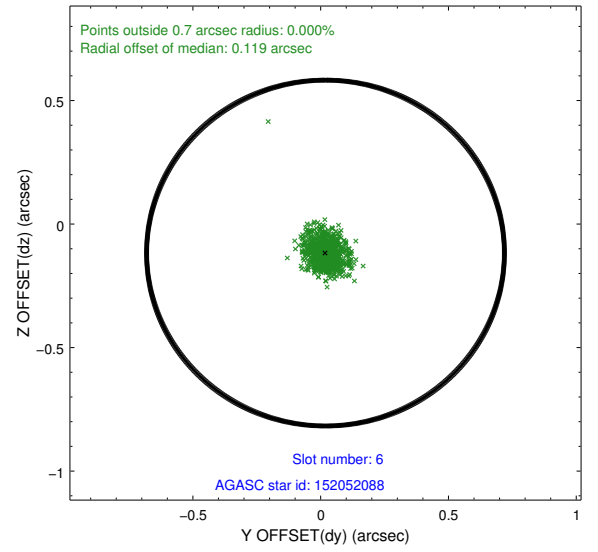
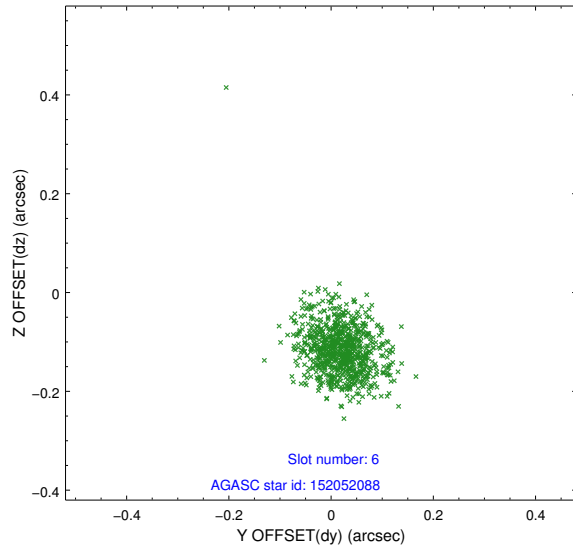
## 2.4.2 Slot 4



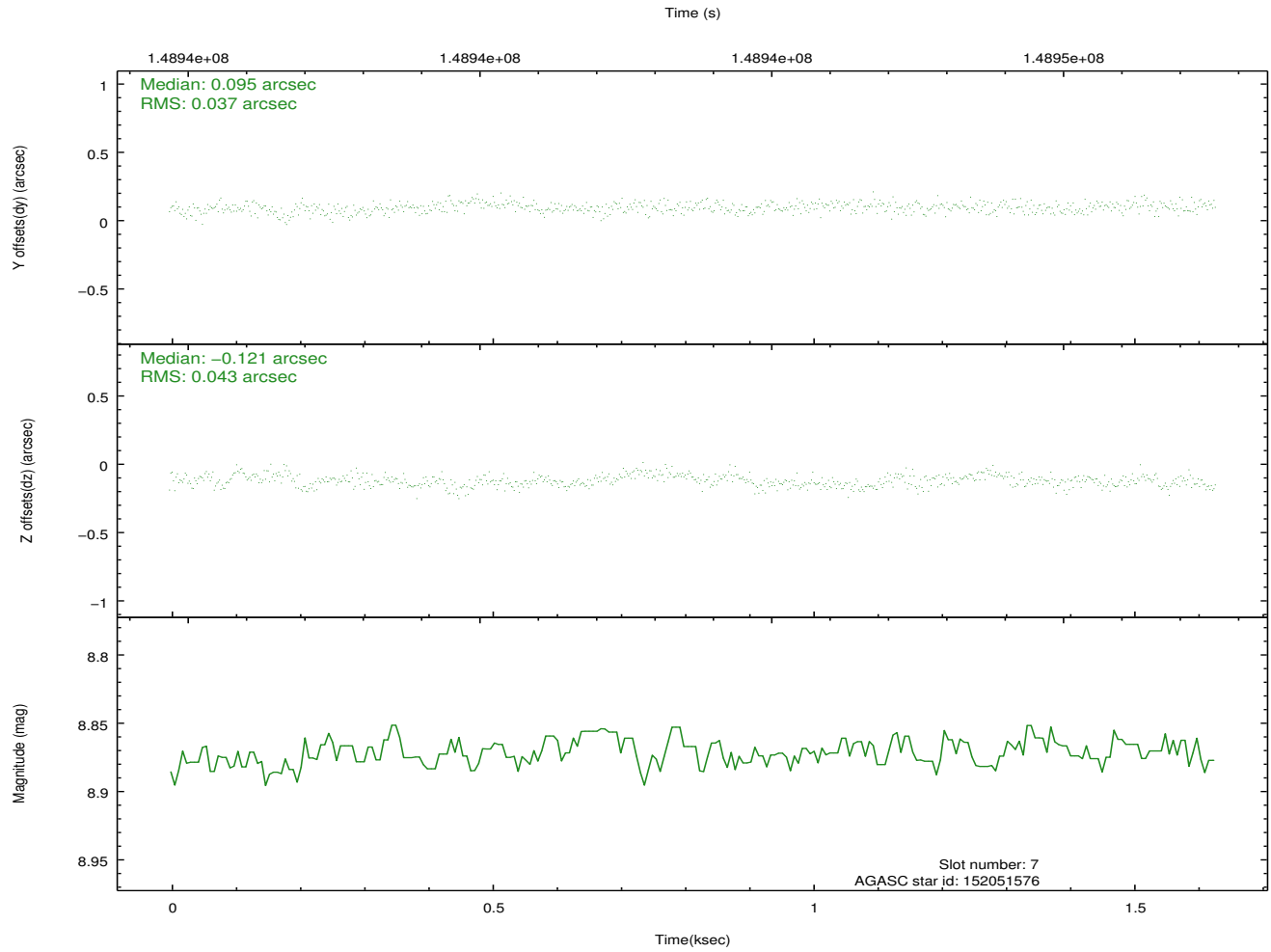
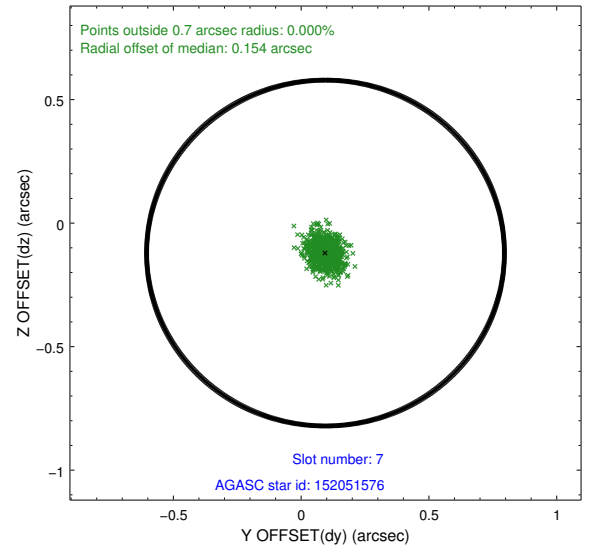
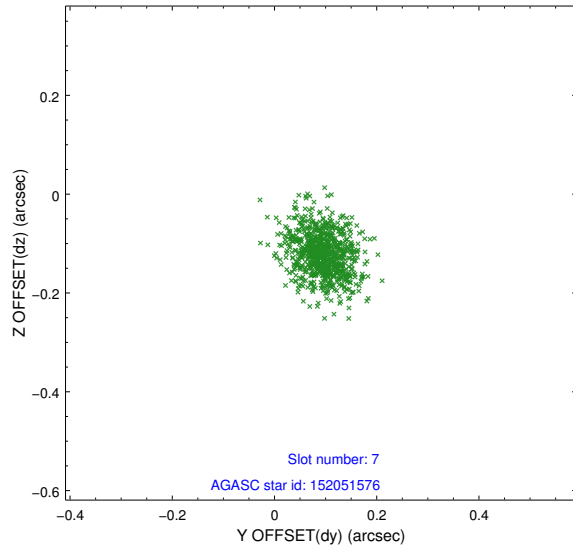
### 2.4.3 Slot 5



## 2.4.4 Slot 6

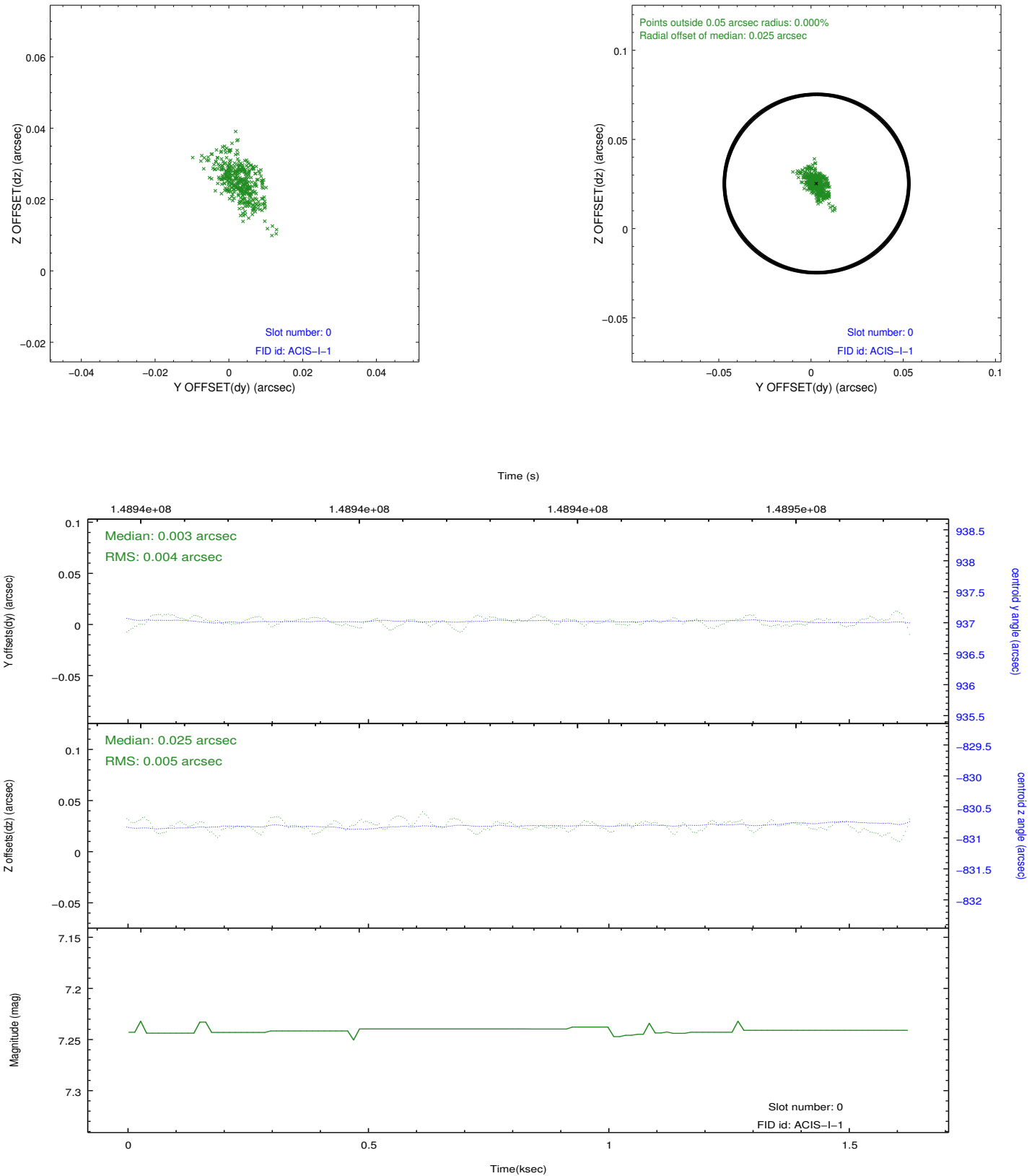


## 2.4.5 Slot 7

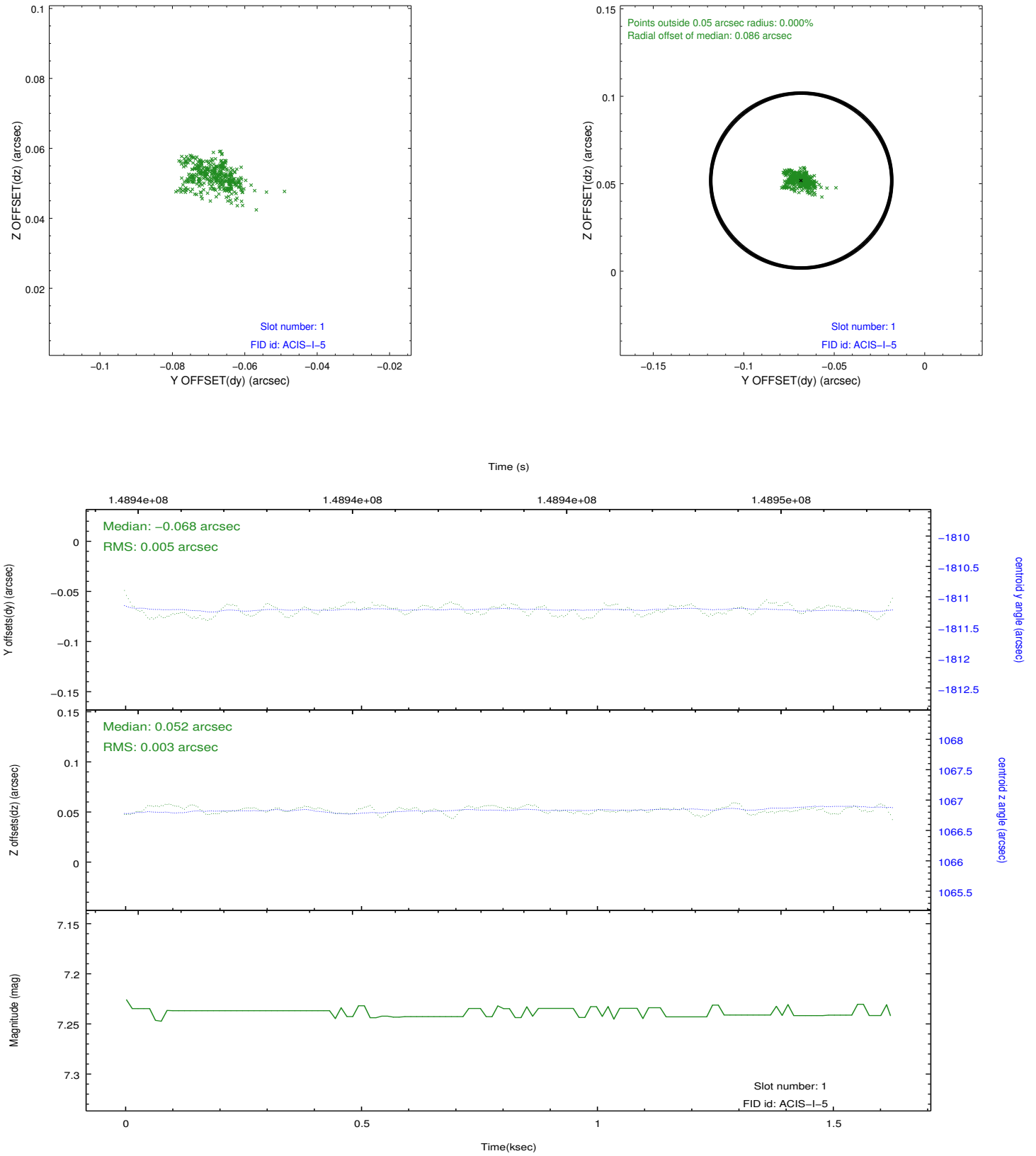


## 2.5 FID Slots

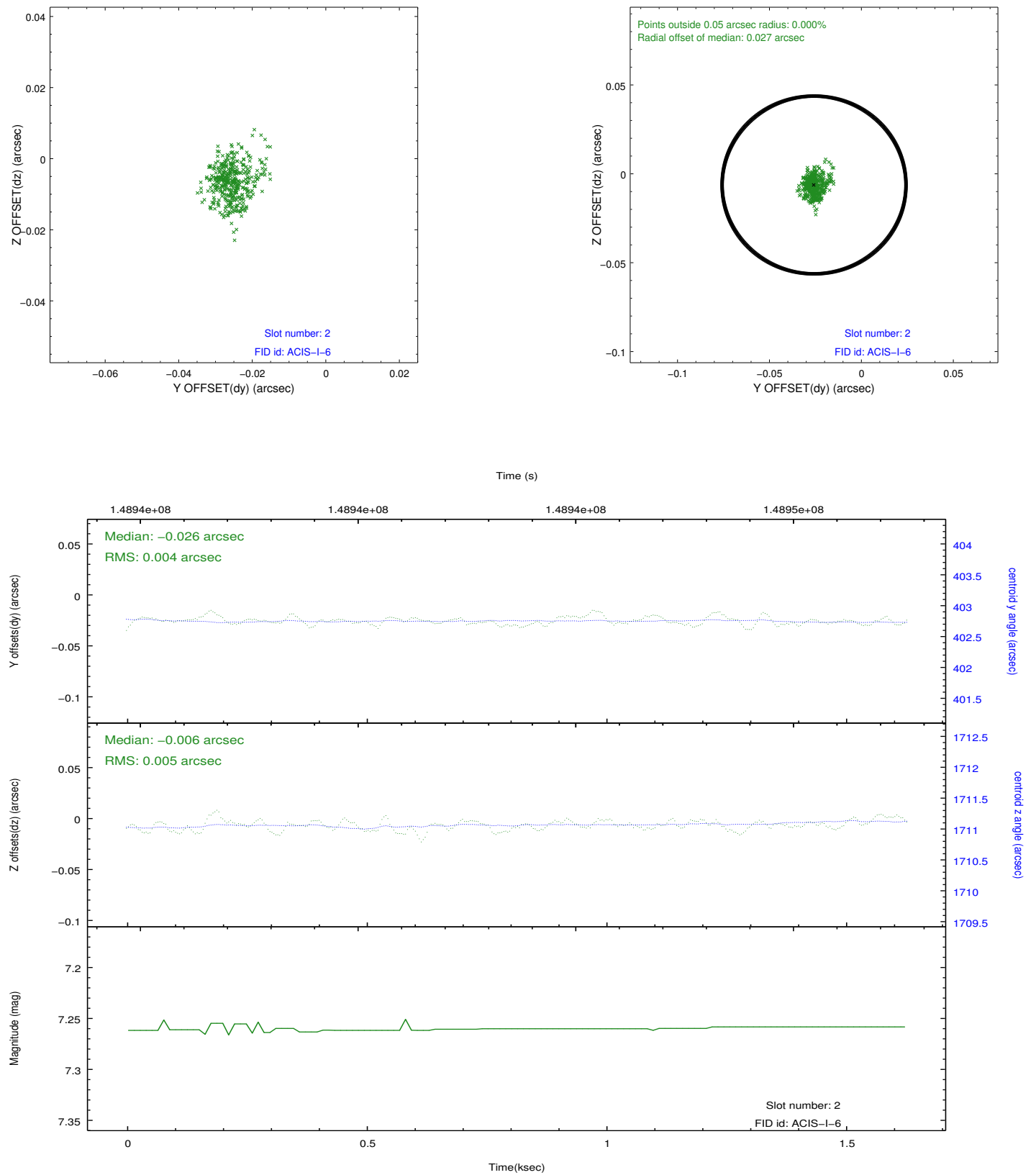
### 2.5.1 Slot 0



## 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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.551

### A.2 Comments