

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3299 - L2 Version 3  
Chandra X-Ray Center

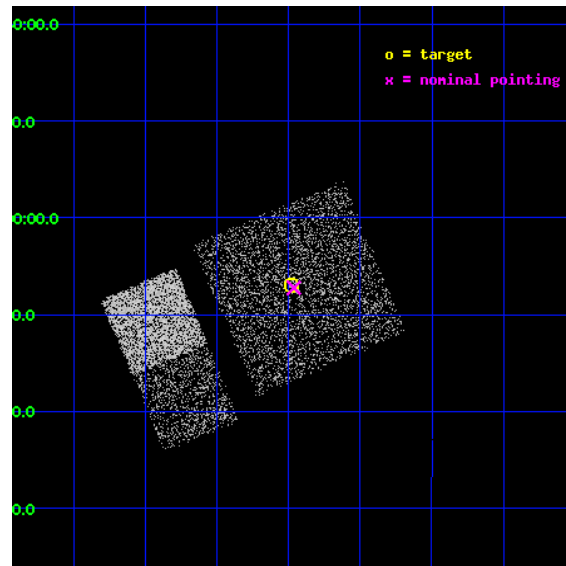
L2 Processing Date : Oct 10 2012

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# 1 Front

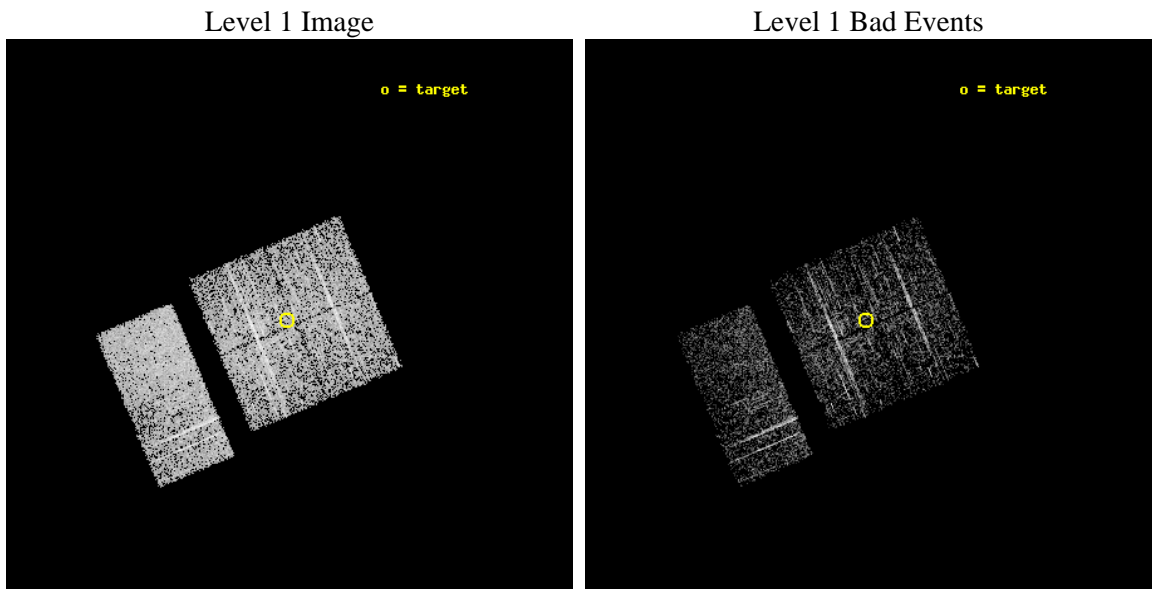
seq_num	900138	Sequence number
obs_id	3299	Observation id
title	A CHEAP COMPLETE WIDE BRIGHT SURVEY	Proposal title
observer	DR. FABIO LA FRANCA	Principal investigator
object	H141159	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	212.994583	Observer's specified target RA [deg]
dec_targ	-3.117222	Observer's specified target Dec [deg]
ra_nom	212.99104590364	Nominal RA [deg]
dec_nom	-3.1207375459735	Nominal Dec [deg]
roll_nom	247.15870626608	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1609.5999940038	Sum of GTIs [s]
liveltime	1589.2182696949	Livetime [s]
ontime0	1609.5999940038	Sum of GTIs [s]
ontime1	1609.5999940038	Sum of GTIs [s]
ontime2	1609.5999940038	Sum of GTIs [s]
ontime3	1609.5999940038	Sum of GTIs [s]
ontime6	1609.5999940038	Sum of GTIs [s]
ontime7	1609.5999940038	Sum of GTIs [s]
l2events	11874	Number of level 2 events



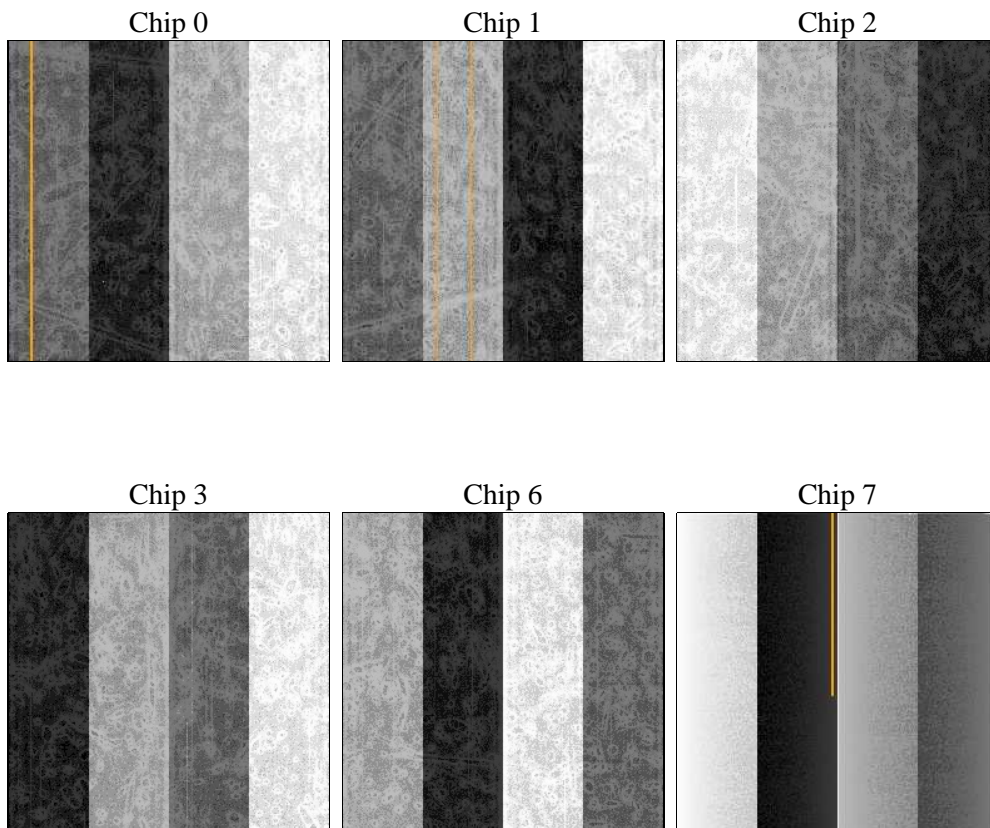
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1609.5999940038	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	1609.5999940038	Sum of GTIs [s]
date	2012-10-10T03:56:05	Date and time of file creation	ontime1	1609.5999940038	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1609.5999940038	Sum of GTIs [s]
			ontime3	1609.5999940038	Sum of GTIs [s]
			ontime6	1609.5999940038	Sum of GTIs [s]
			ontime7	1609.5999940038	Sum of GTIs [s]
			l1events	67830	Number of level 1 events

### 2.1.4 Events

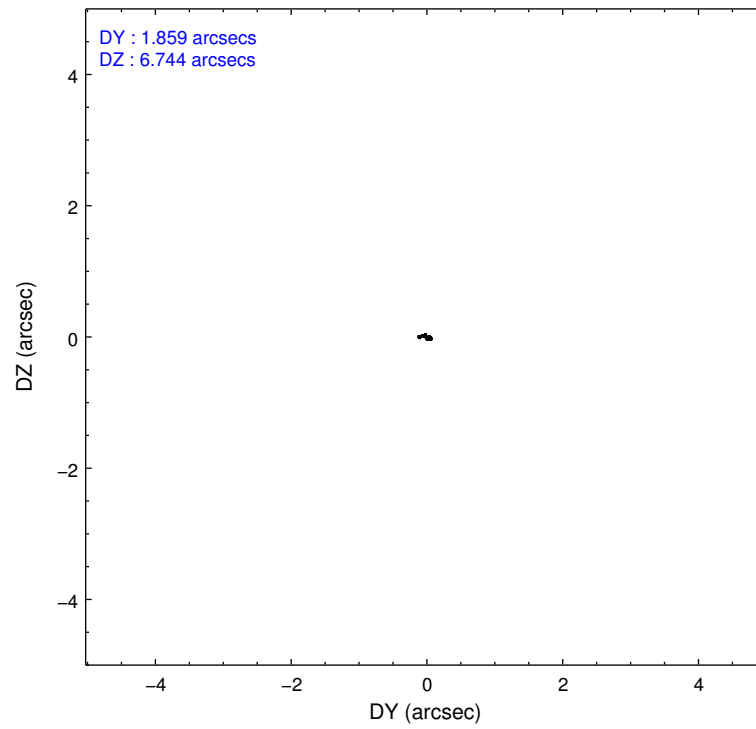
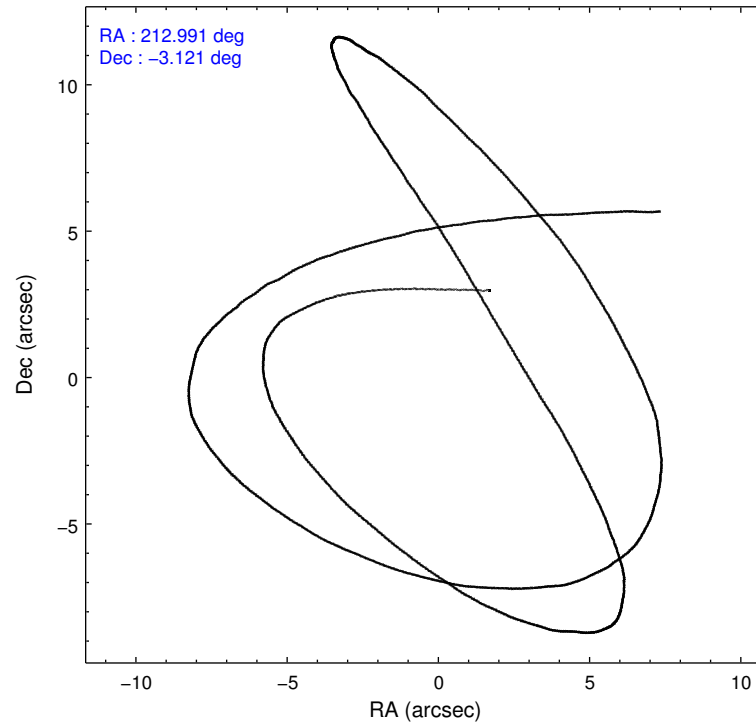
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	9715	10133	11065	10810	11699	14408
rejected events	8293	8680	9620	9459	10266	8424
rejected %	85%	85%	86%	87%	87%	58%

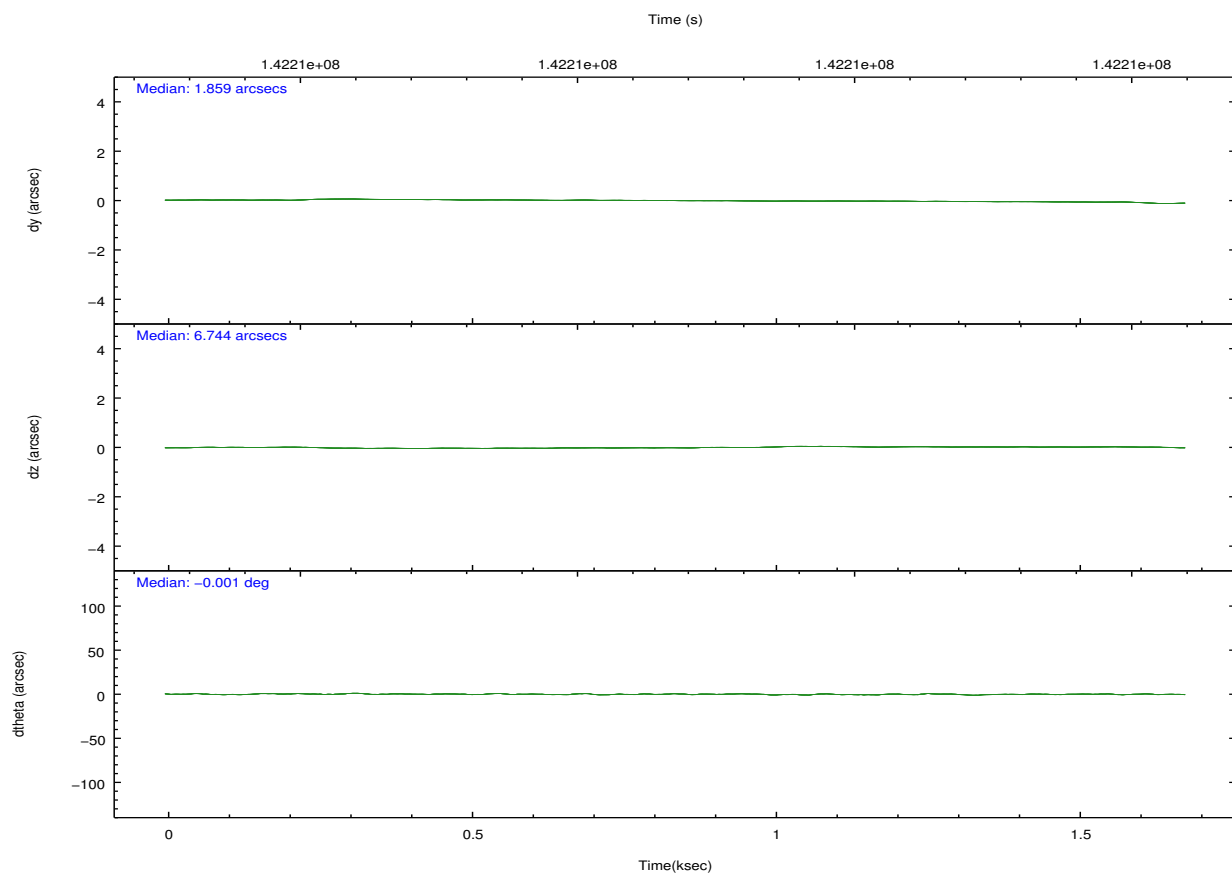
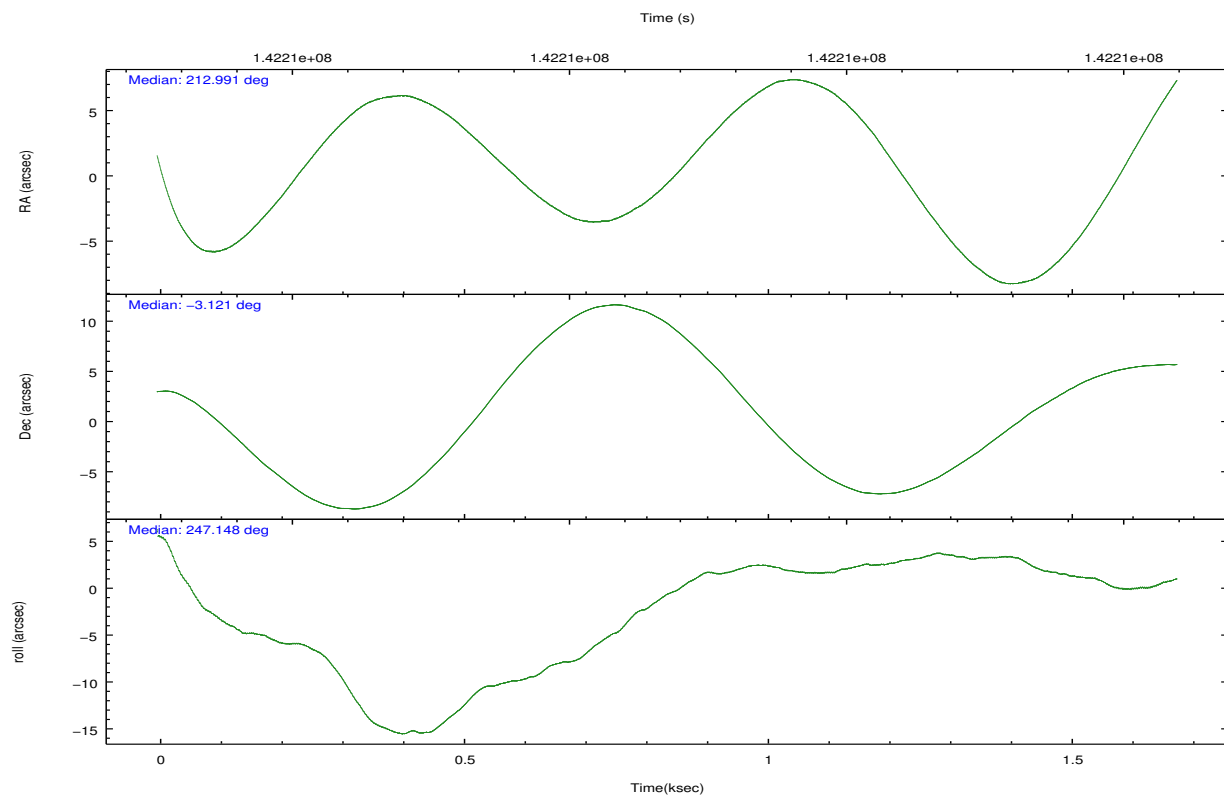
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	590	559	621	563	571	589
	6%	5%	5%	5%	4%	4%
grade 1 events	7	9	8	4	10	14
	0%	0%	0%	0%	0%	0%
grade 2 events	332	336	338	296	312	1198
	3%	3%	3%	2%	2%	8%
grade 3 events	123	124	119	113	135	526
	1%	1%	1%	1%	1%	3%
grade 4 events	118	133	135	131	122	567
	1%	1%	1%	1%	1%	3%
grade 5 events	382	419	406	396	460	1367
	3%	4%	3%	3%	3%	9%
grade 6 events	260	302	232	251	294	3118
	2%	2%	2%	2%	2%	21%
grade 7 events	7903	8251	9206	9056	9795	7029
	81%	81%	83%	83%	83%	48%

## 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	212.987720	212.9910459036356	Subarray requested	NONE	NONE
[deg] Pointing Dec	-3.093300	-3.120737545973485	Alternating exposures requested	N	N
[deg] Pointing Roll	246.949770	247.1587062660837	[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)	142208509.184000	142207474.52286			
Observation start date	2002-07-04T22:20:45	2002-07-04T22:04:34			
[s] Observation end time (MET)	142210009.184000	142210659.19799			
Observation end date	2002-07-04T22:45:45	2002-07-04T22:57:39			
Read mode	TIMED	TIMED			

## 2.3 Aspect



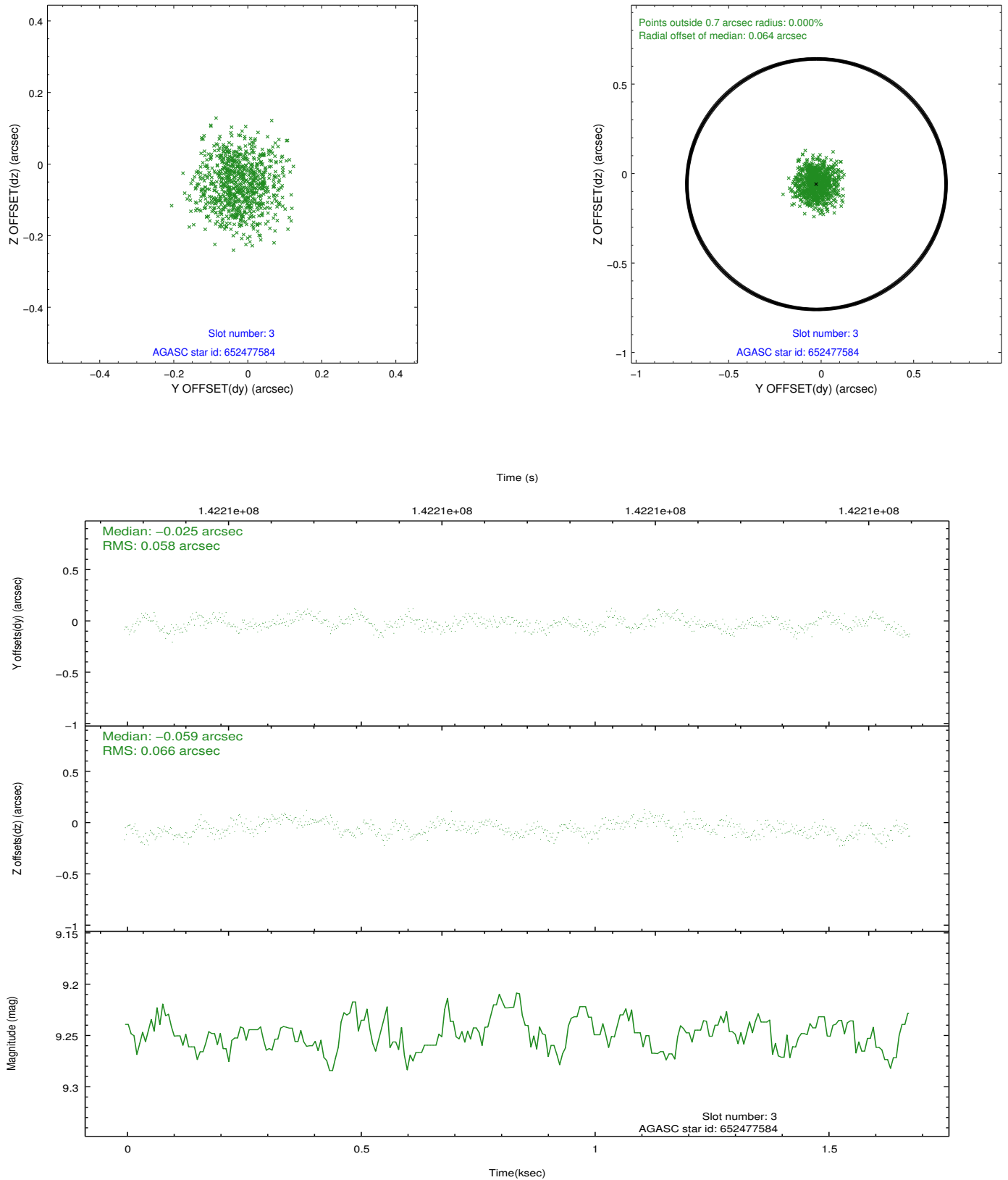


### Slot Statistics

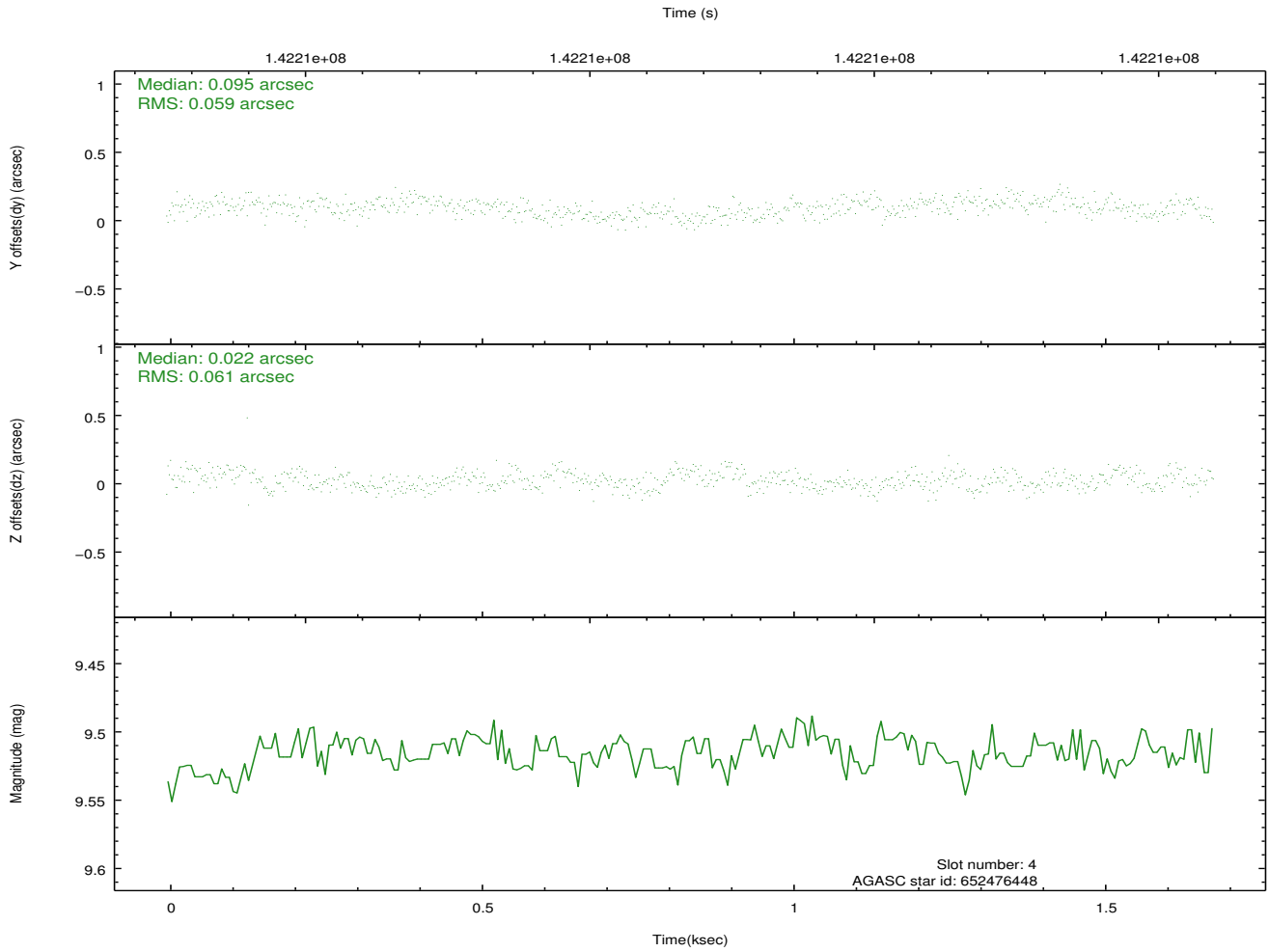
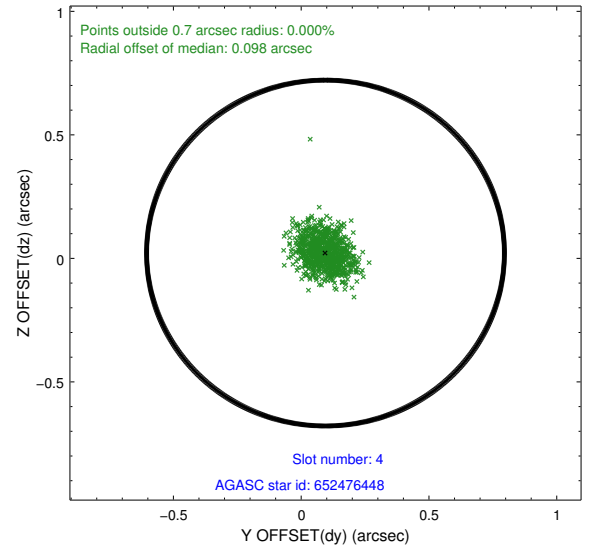
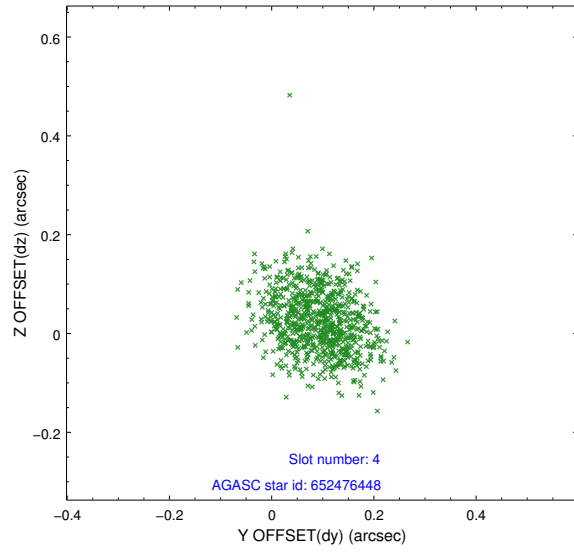
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	410	-0.005	0.019	0.009	0.015	0.000000	0.000000	937.95	-830.13
1	FID	ACIS-I-5	7.24	409	-0.048	0.047	0.008	0.015	0.000000	0.000000	-1807.96	1065.50
2	FID	ACIS-I-6	7.27	410	-0.037	0.004	0.008	0.015	0.000000	0.000000	399.27	1714.36
3	GUIDE	652477584	9.25	820	-0.025	-0.059	0.097	0.149	212.342560	-3.062422	805.84	-2176.22
4	GUIDE	652476448	9.52	819	0.095	0.022	0.091	0.144	212.434530	-3.379480	1727.27	-1427.03
5	GUIDE	652608240	9.65	820	0.067	-0.028	0.098	0.162	212.720785	-3.106340	420.45	-865.09
6	GUIDE	652607784	8.56	820	-0.057	0.016	0.079	0.121	213.646988	-3.161185	-703.42	2276.47
7	GUIDE	652216536	9.71	813	-0.079	0.042	0.097	0.152	212.728585	-2.383020	-1989.39	-1855.42

## 2.4 Star Slots

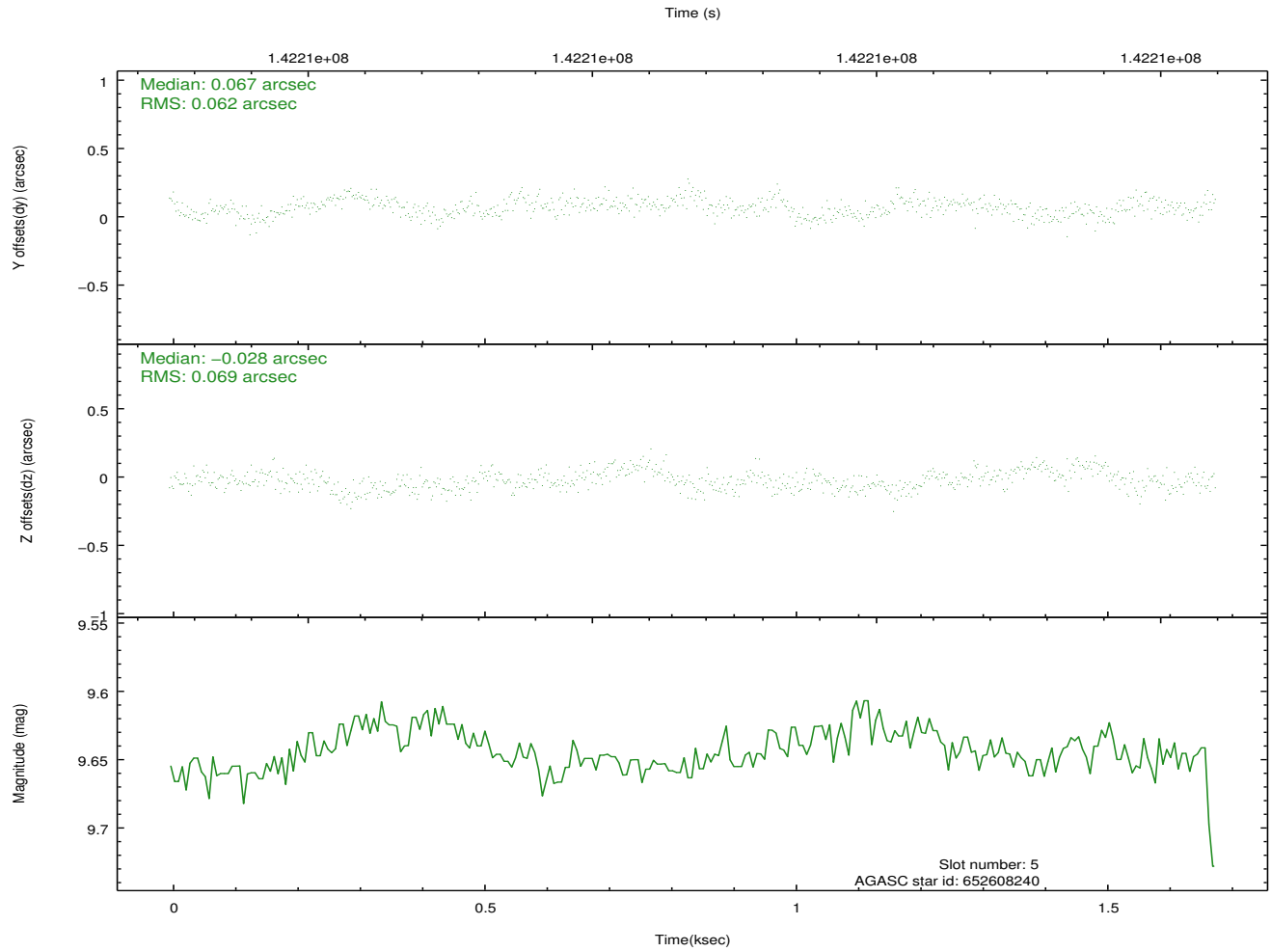
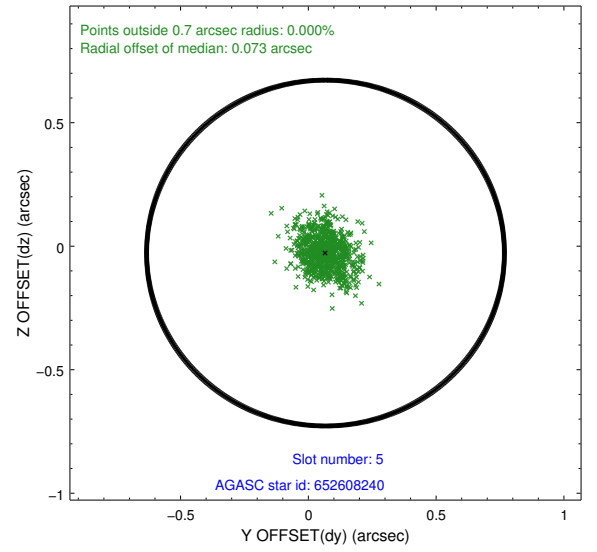
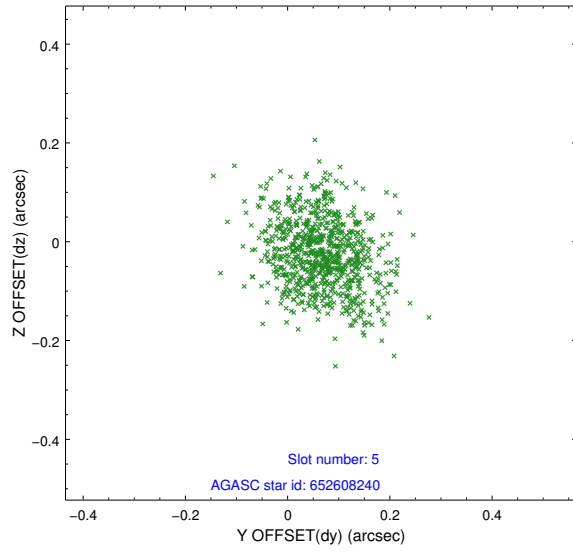
### 2.4.1 Slot 3



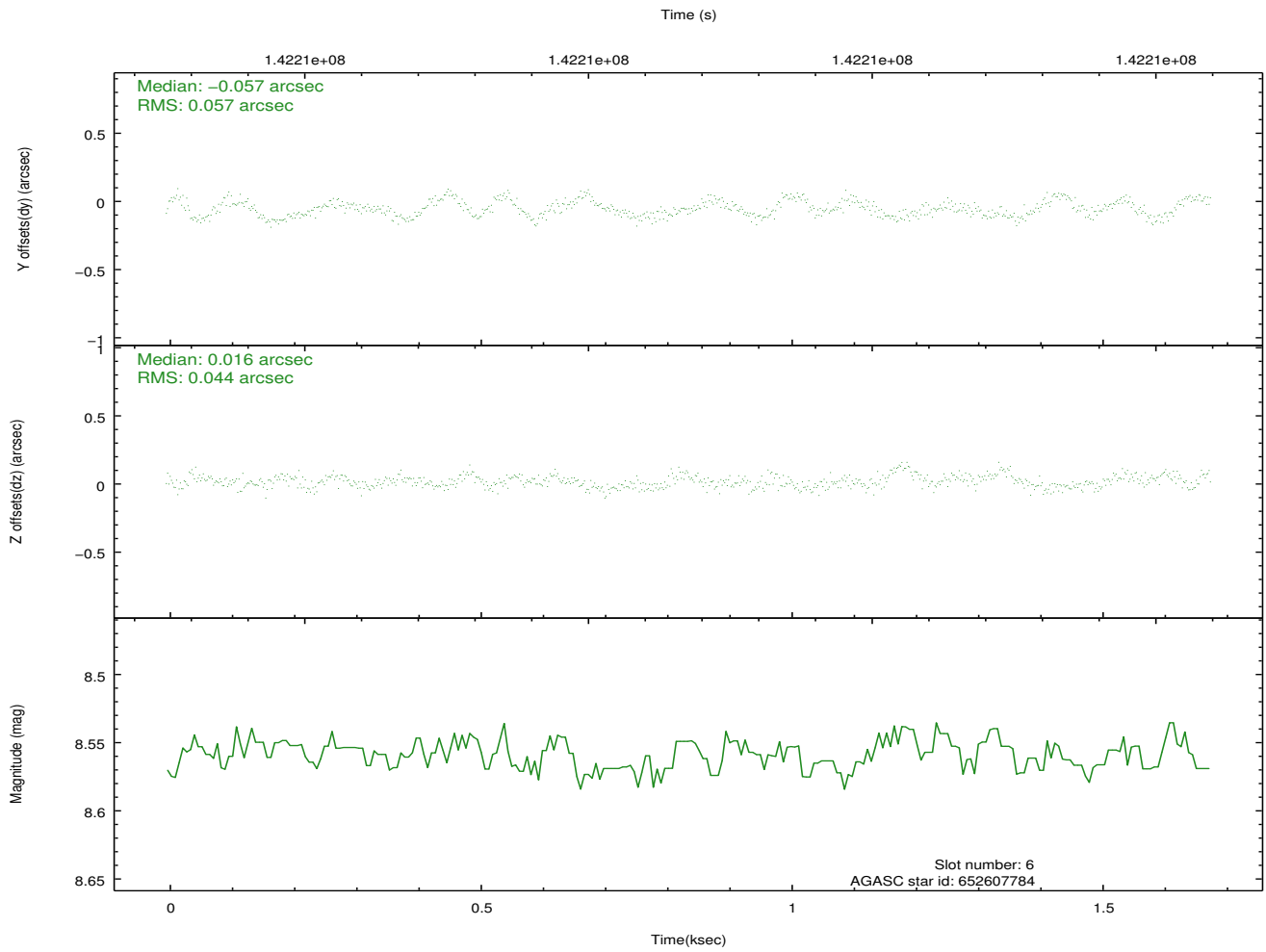
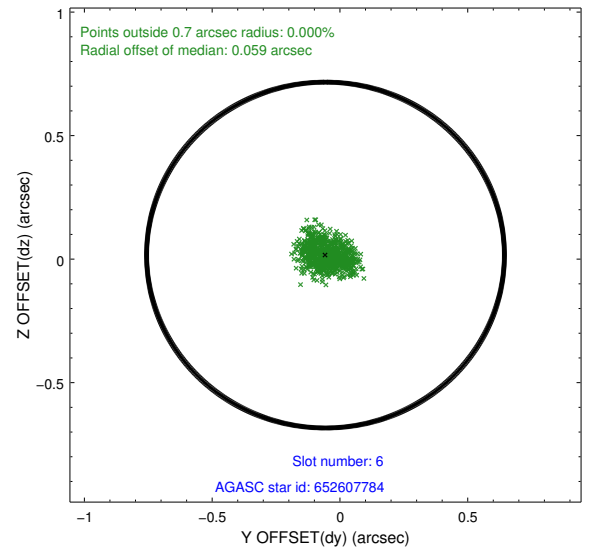
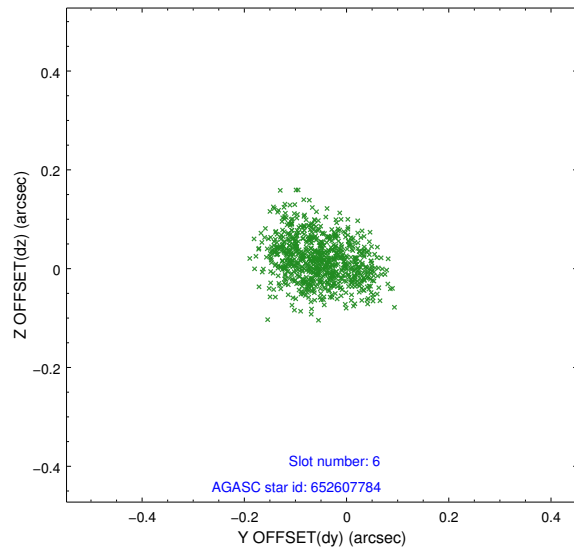
## 2.4.2 Slot 4



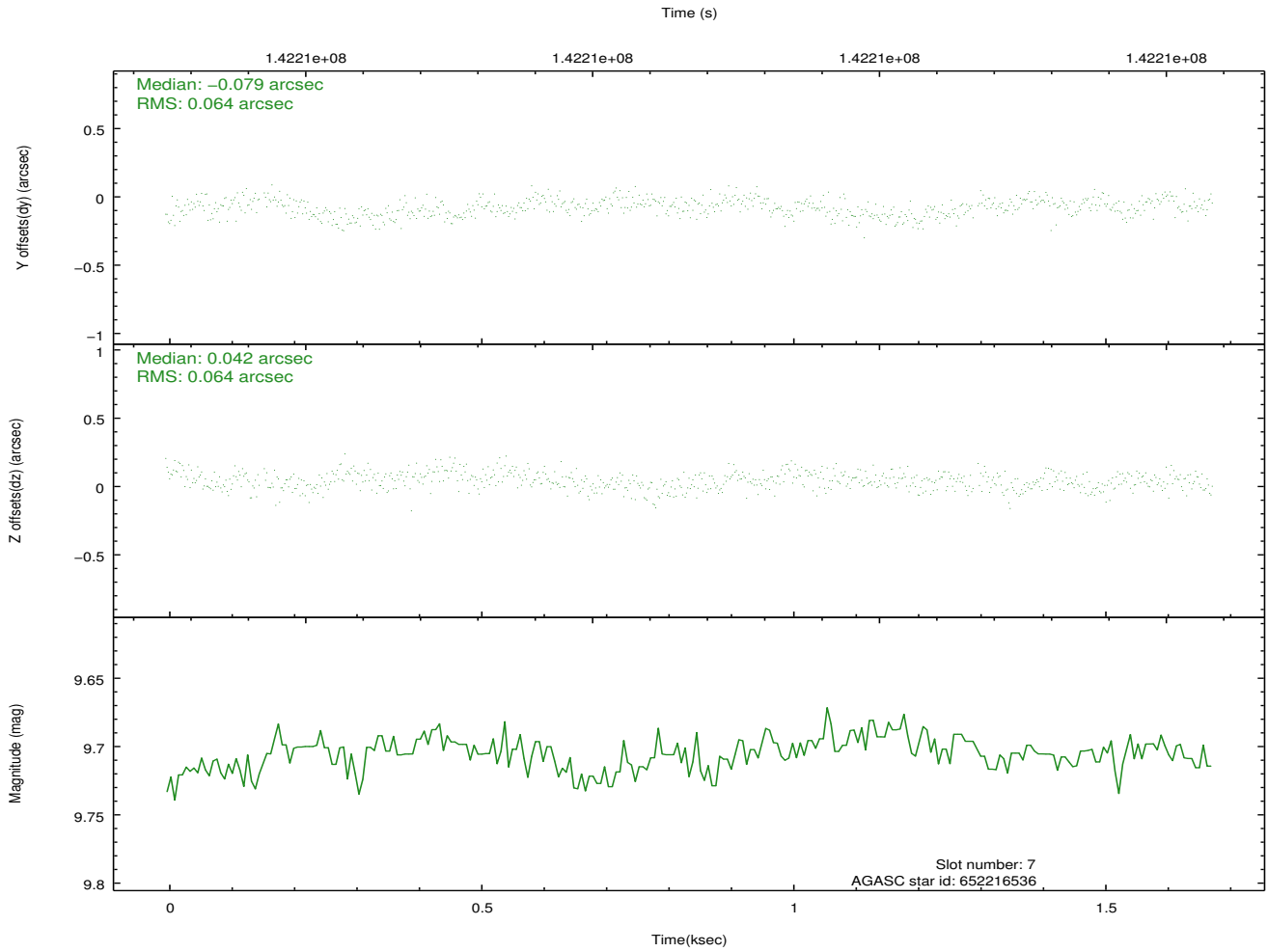
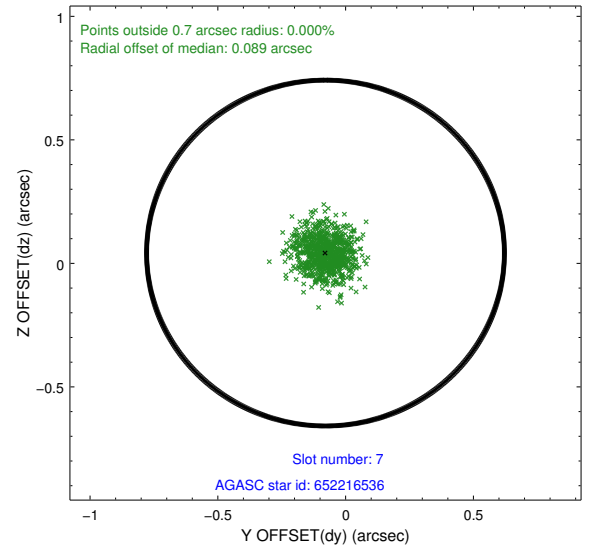
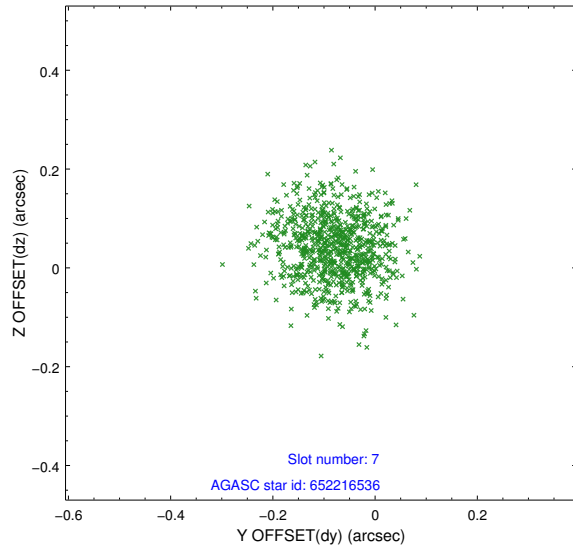
### 2.4.3 Slot 5



## 2.4.4 Slot 6

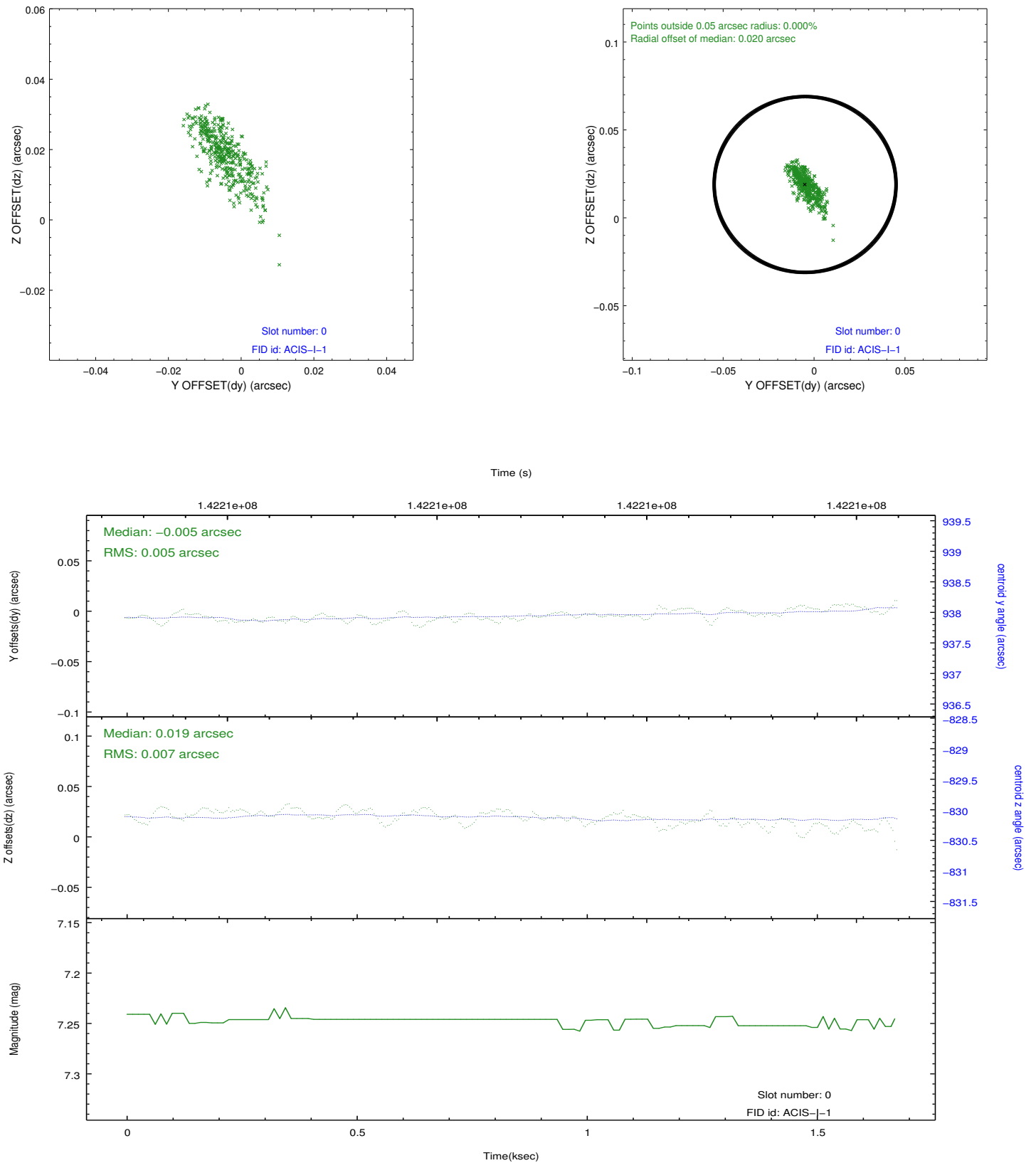


## 2.4.5 Slot 7

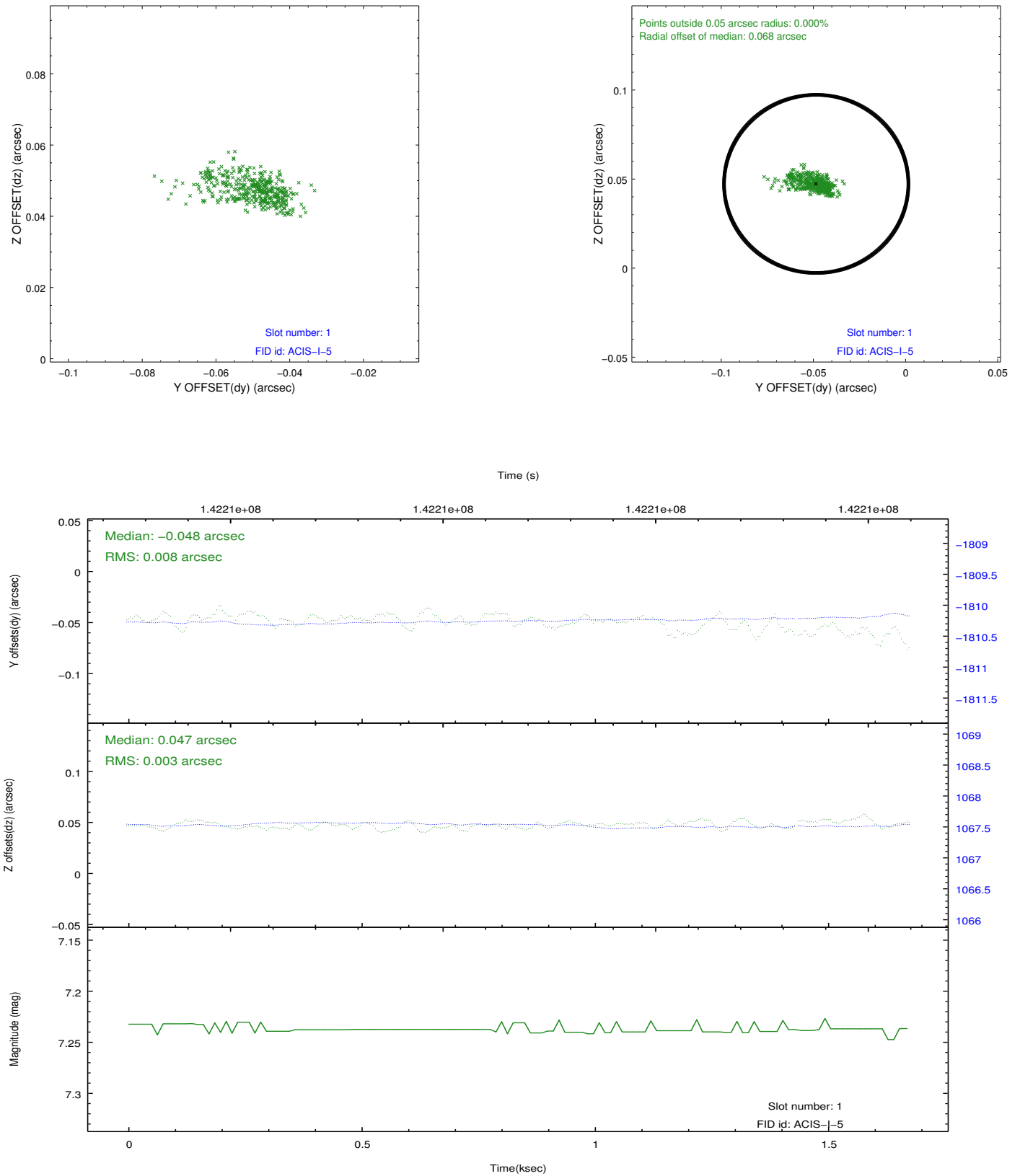


## 2.5 FID Slots

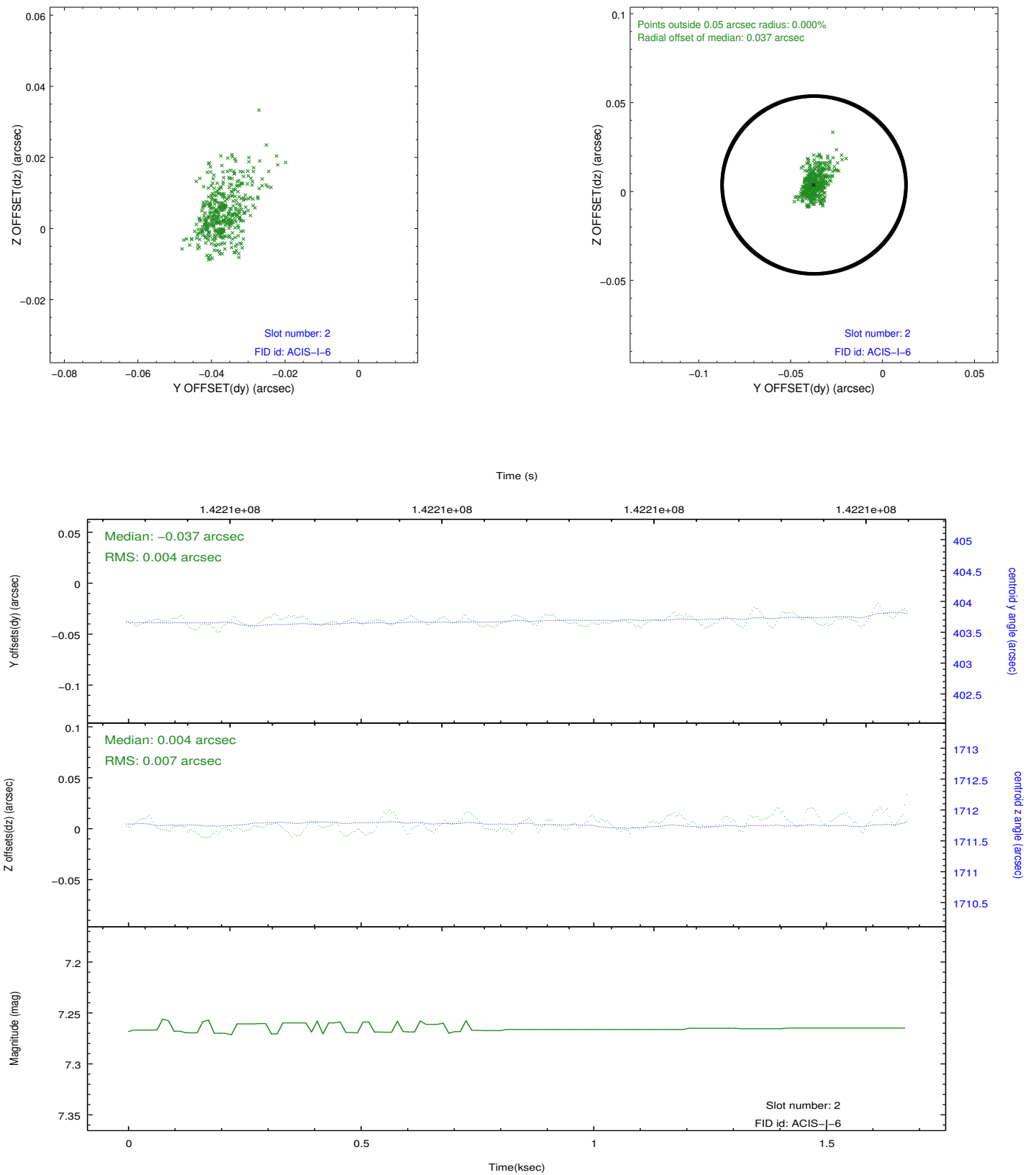
### 2.5.1 Slot 0



## 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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.612

### A.2 Comments