

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3112 - L2 Version 3  
Chandra X-Ray Center

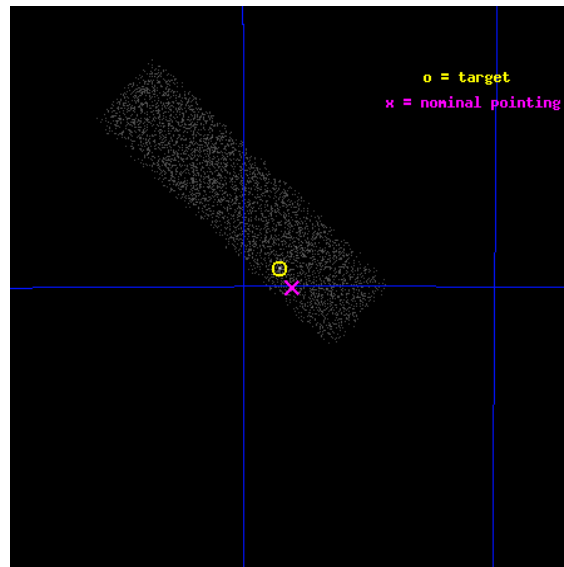
L2 Processing Date : Oct 9 2012

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# 1 Front

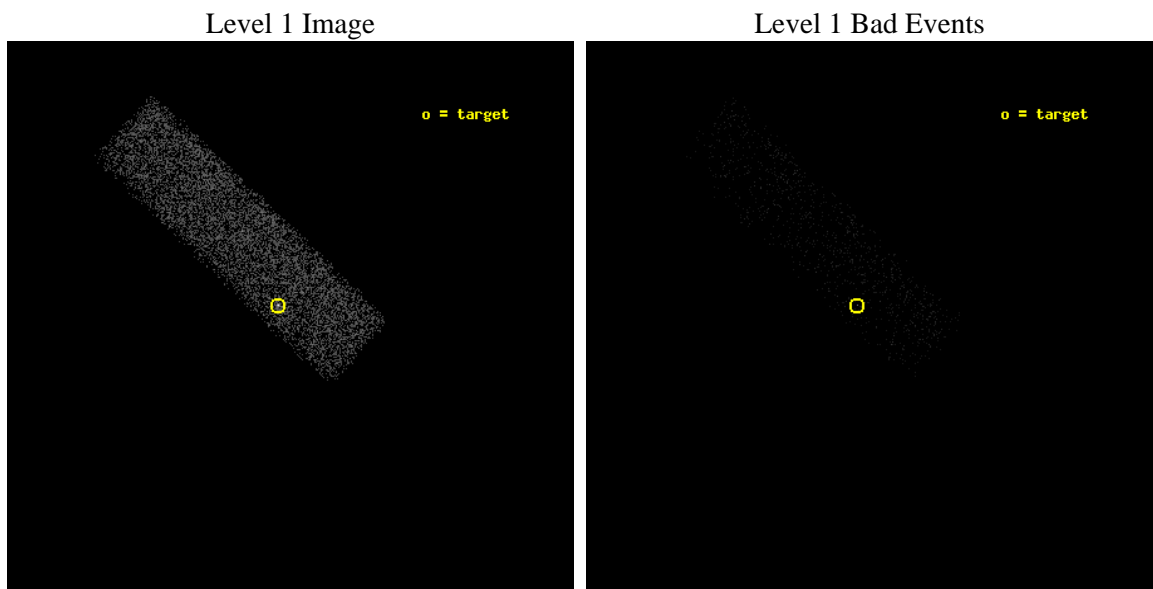
seq_num	700551	Sequence number
obs_id	3112	Observation id
title	A COMPLETE SURVEY FOR X-RAY EMISSION FROM RADIO JETS	Proposal titl
observer	Dr. Herman Marshall	Principal investigator
object	0858-771	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	134.427083	Observer's specified target RA [deg]
dec_targ	-77.325528	Observer's specified target Dec [deg]
ra_nom	134.40368871773	Nominal RA [deg]
dec_nom	-77.334072427365	Nominal Dec [deg]
roll_nom	223.53589978206	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5216.8000777364	Sum of GTIs [s]
livetime	4962.2373040392	Livetime [s]
ontime7	5216.8000777364	Sum of GTIs [s]
l2events	5354	Number of level 2 events



## 2 OBI

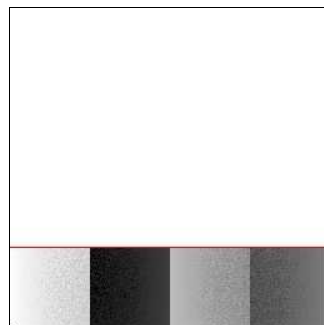
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5216.8000777364	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	5216.8000777364	Sum of GTIs [s]
date	2012-10-10T00:19:37	Date and time of file creation	l1events	12426	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	12426
rejected events	6941
rejected %	55%

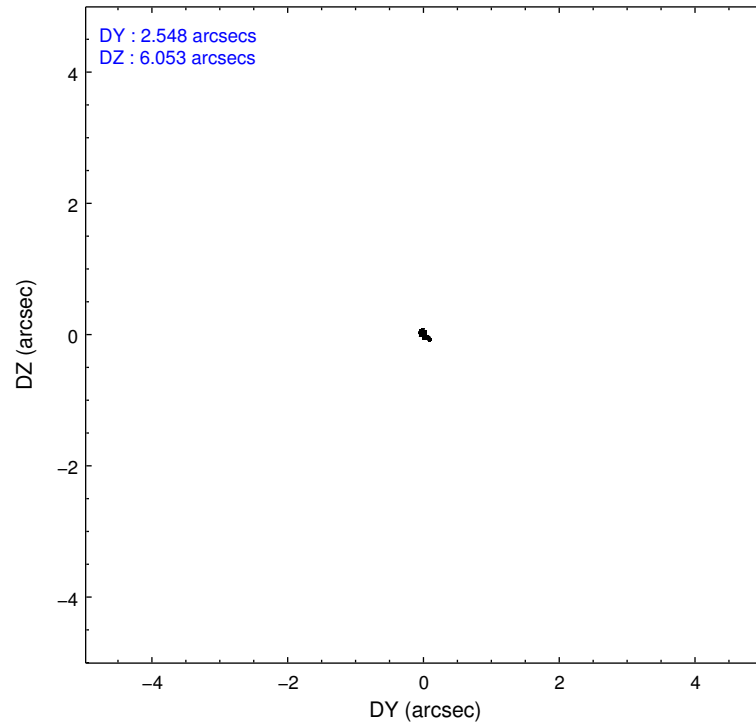
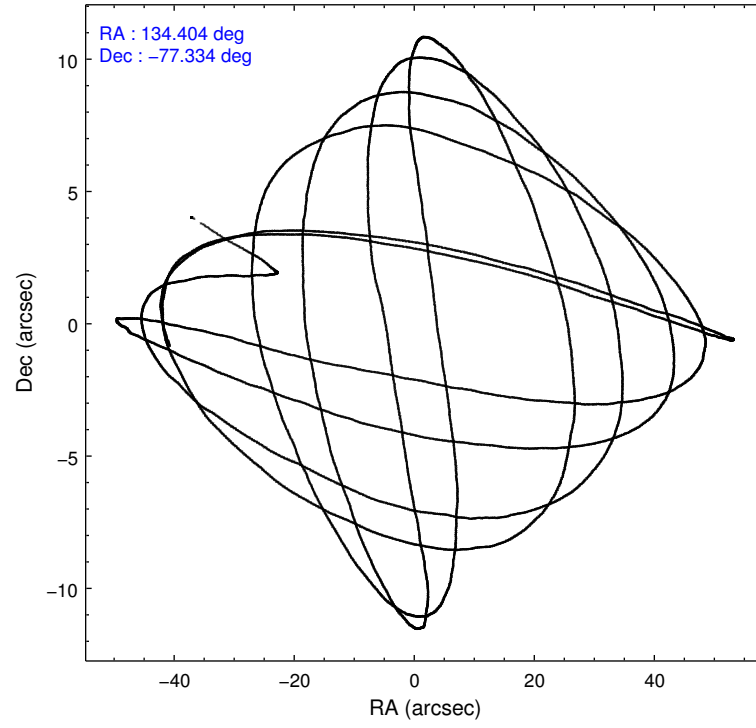
	<b>ccd 7</b>
grade 0 events	662
	5%
grade 1 events	19
	0%
grade 2 events	1187
	9%
grade 3 events	689
	5%
grade 4 events	602
	4%
grade 5 events	1047
	8%
grade 6 events	2727
	21%
grade 7 events	5493
	44%

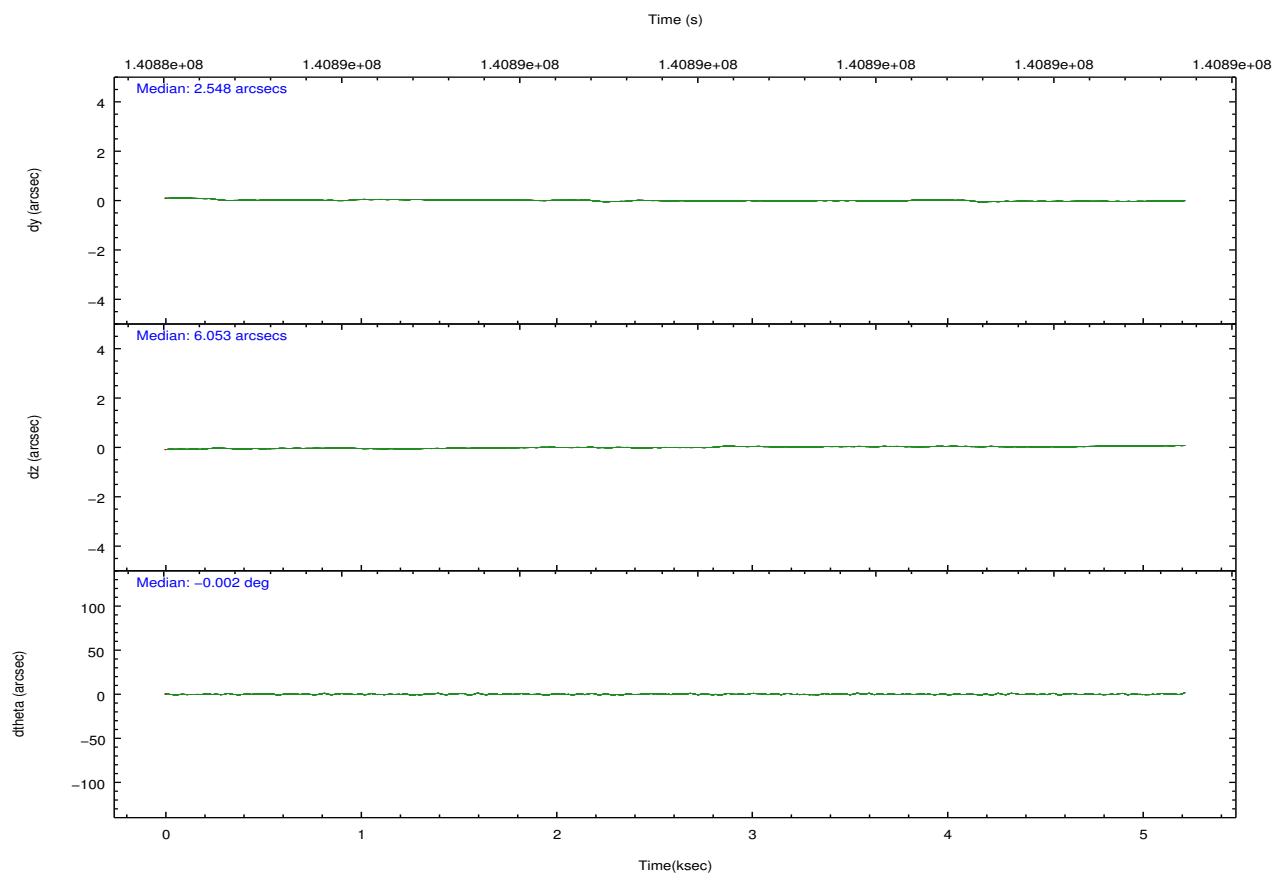
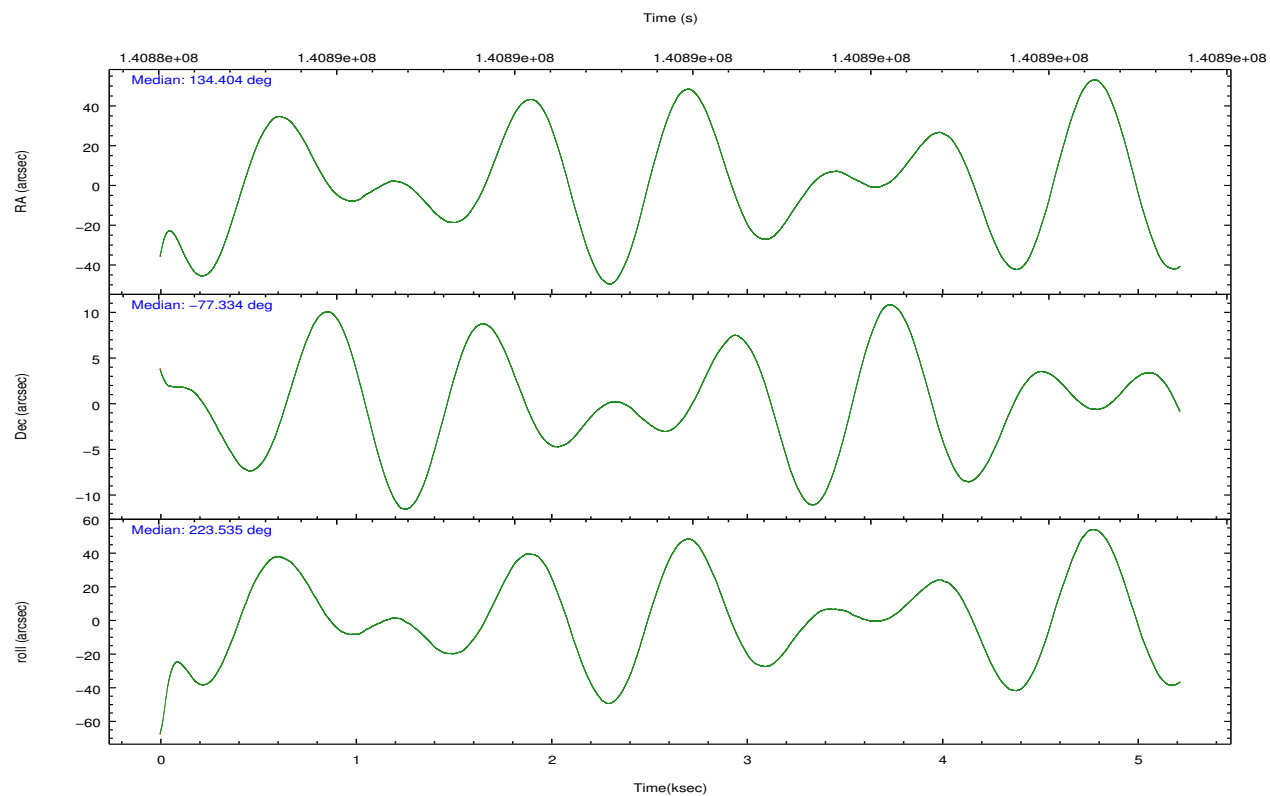


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	134.437723	134.4036887177262	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-77.307873	-77.33407242736526	Subarray start row	1	1
[deg] Pointing Roll	223.412577	223.5358997820647	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-178.632523	-178.6370735452349			
[mm] SIM translation stage offset	-11.5	-11.49544903777291			
[s] Observation start time (MET)	140885678.184000	140884603.31864			
Observation start date	2002-06-19T14:53:34	2002-06-19T14:36:43			
[s] Observation end time (MET)	140890478.184000	140890991.1189			
Observation end date	2002-06-19T16:13:34	2002-06-19T16:23:11			
Read mode	TIMED	TIMED			

## 2.3 Aspect



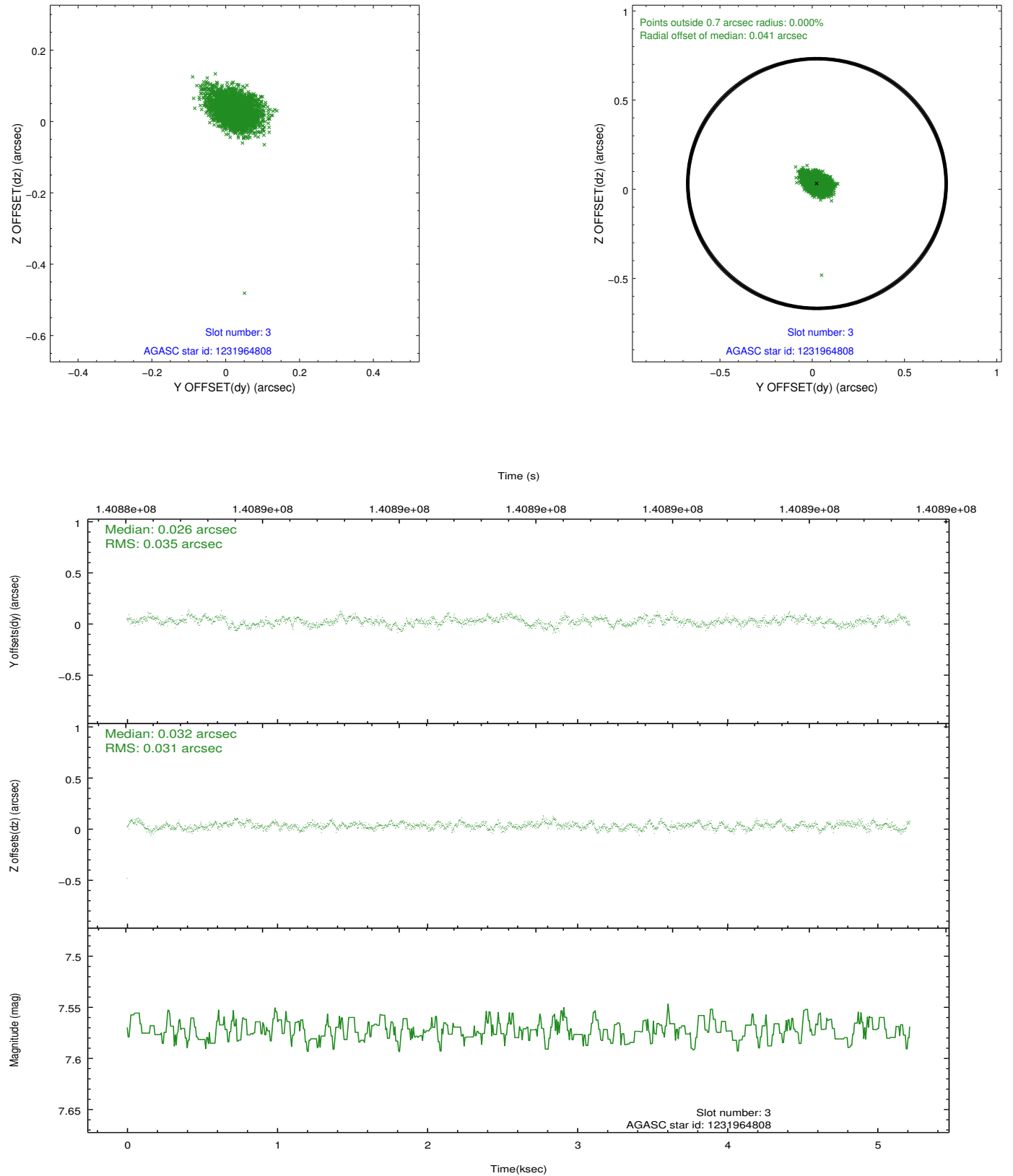


### Slot Statistics

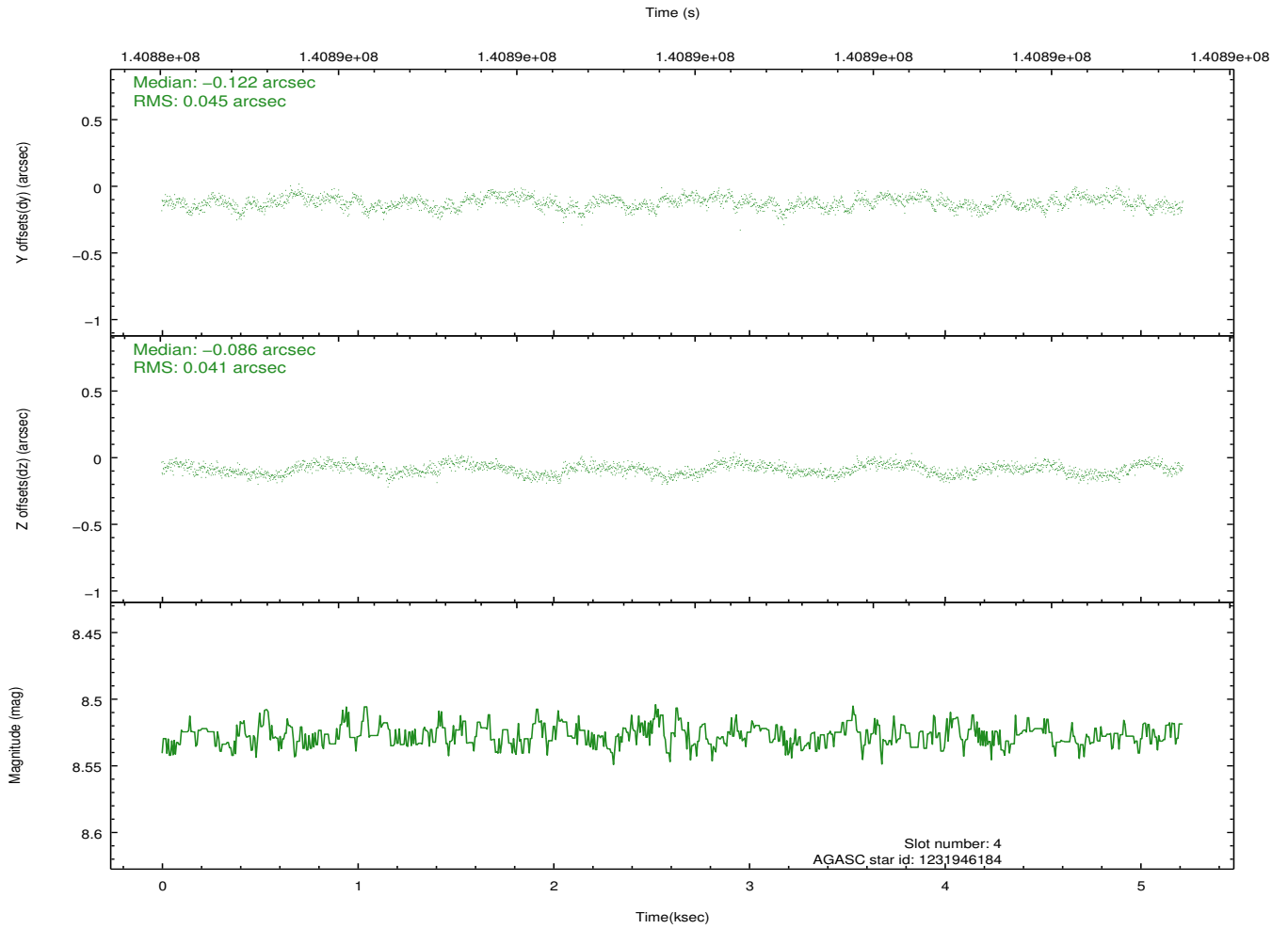
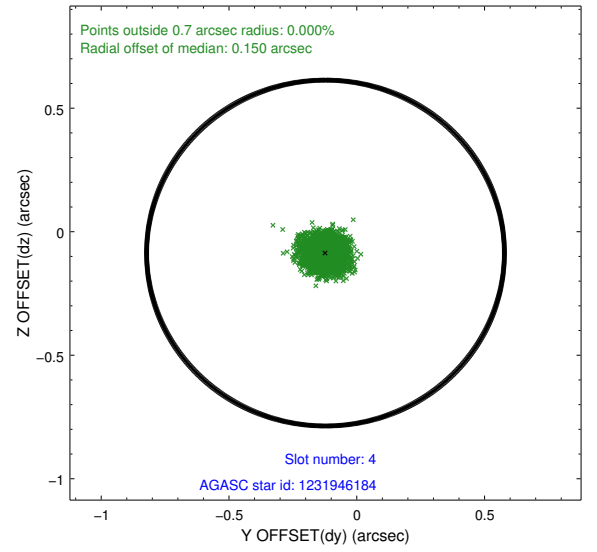
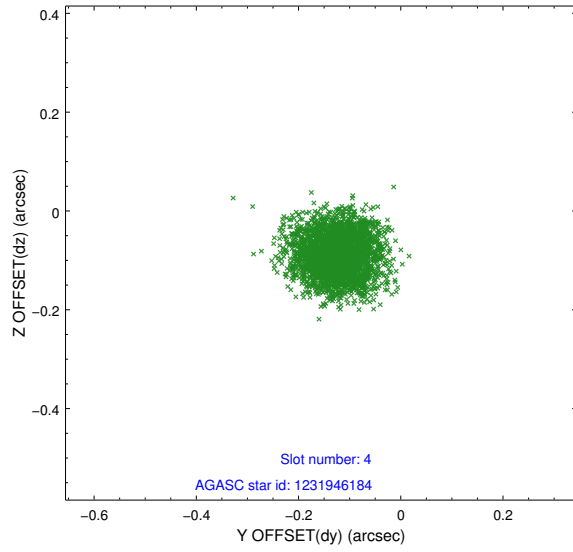
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1273	0.060	0.142	0.007	0.012	0.000000	0.000000	941.66	-1959.37
1	FID	ACIS-S-5	7.23	1273	-0.013	0.112	0.006	0.011	0.000000	0.000000	-1806.65	-63.09
2	FID	ACIS-S-6	7.44	1273	-0.068	-0.243	0.006	0.011	0.000000	0.000000	405.98	581.71
3	GUIDE	1231964808	7.57	2546	0.026	0.032	0.049	0.080	136.873745	-76.978872	-2220.29	527.36
4	GUIDE	1231946184	8.53	2546	-0.122	-0.086	0.066	0.102	133.448818	-77.975869	2195.18	1242.43
5	GUIDE	1231957712	8.67	2545	0.011	-0.005	0.052	0.086	132.972174	-77.358209	974.38	-650.52
6	GUIDE	1231958848	9.32	2545	-0.001	0.115	0.092	0.148	131.969824	-77.646337	2246.09	-391.43
7	GUIDE	1231946288	9.74	2543	0.087	-0.051	0.119	0.189	137.537508	-77.514534	-1195.34	2244.10

## 2.4 Star Slots

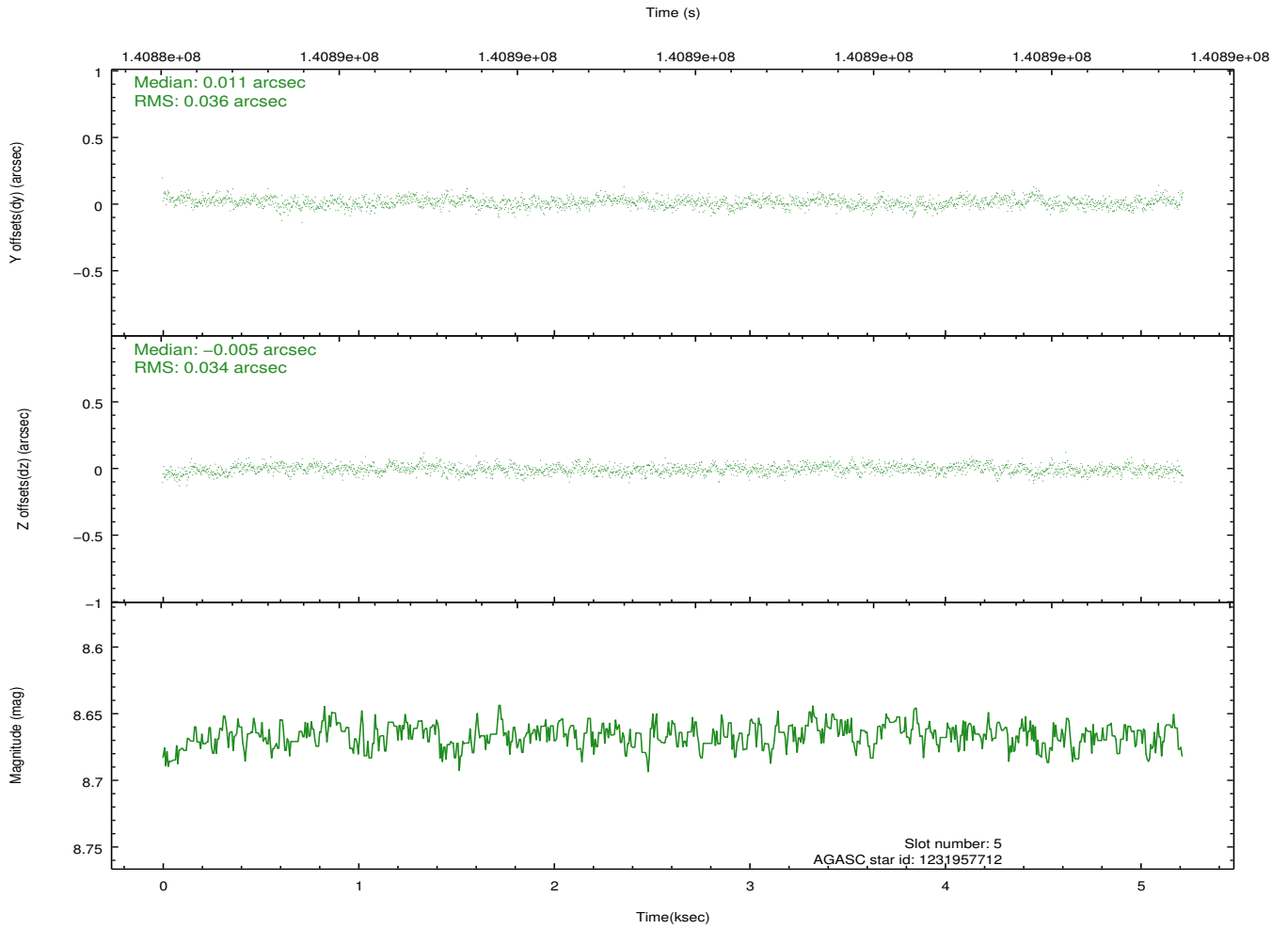
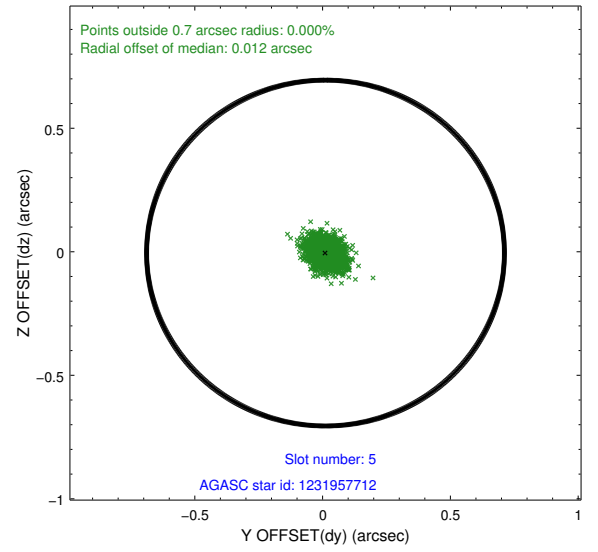
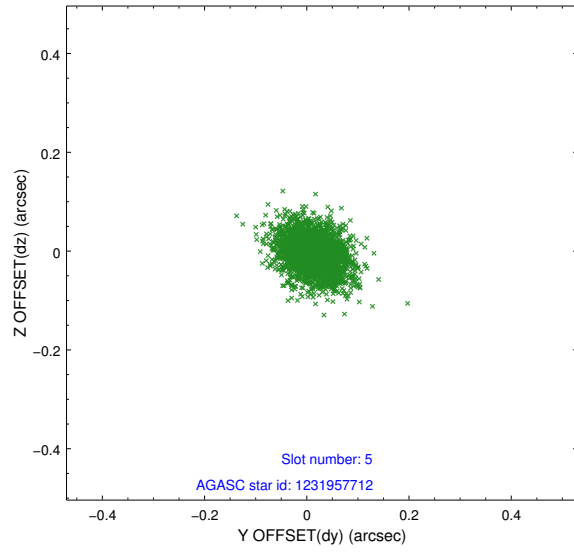
### 2.4.1 Slot 3



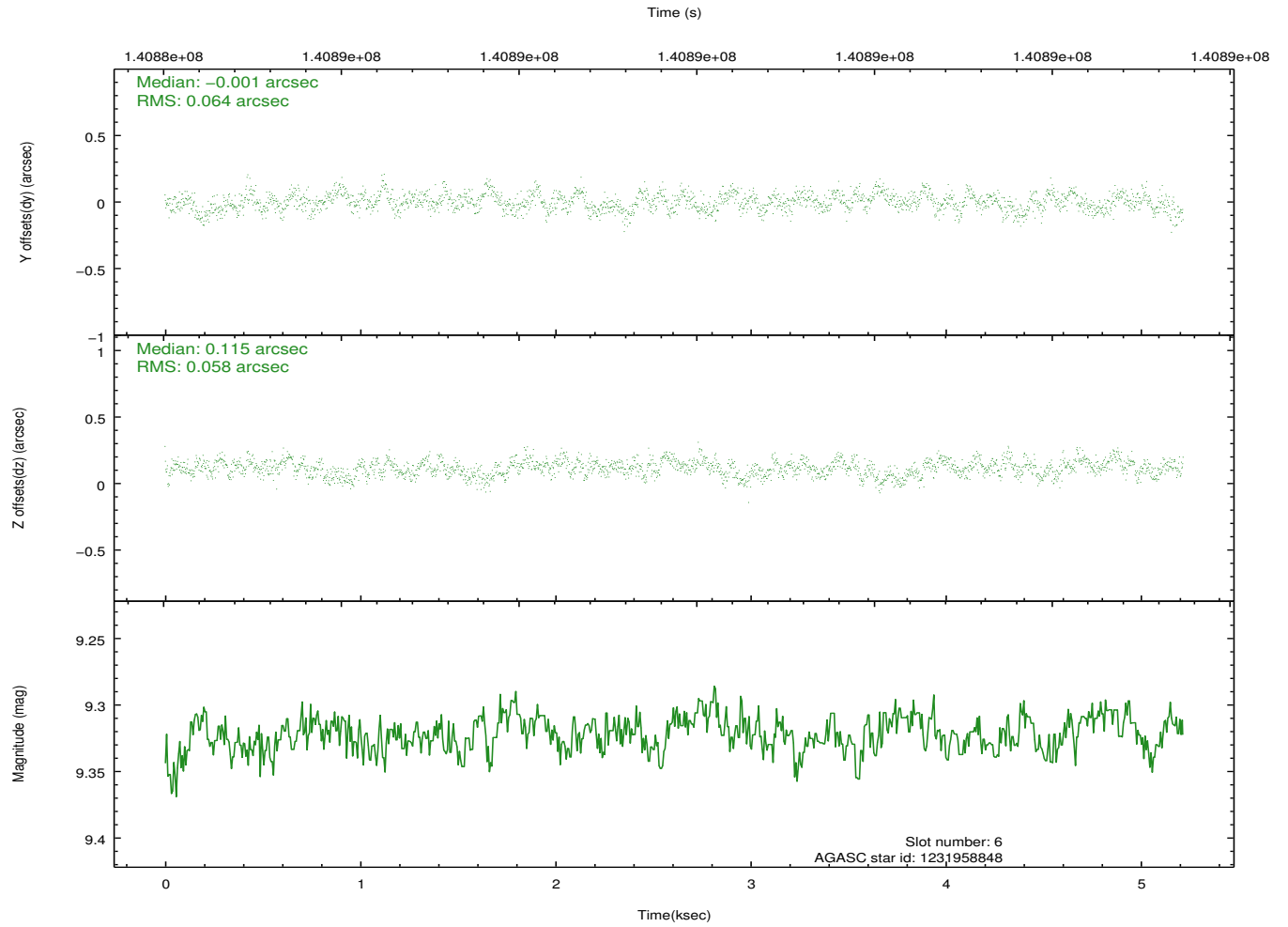
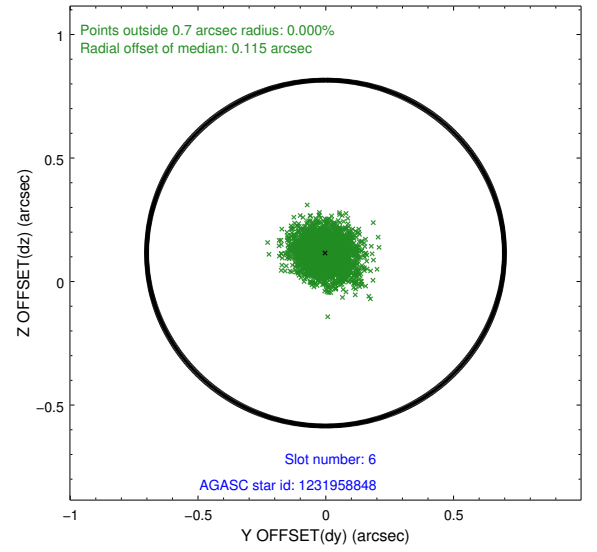
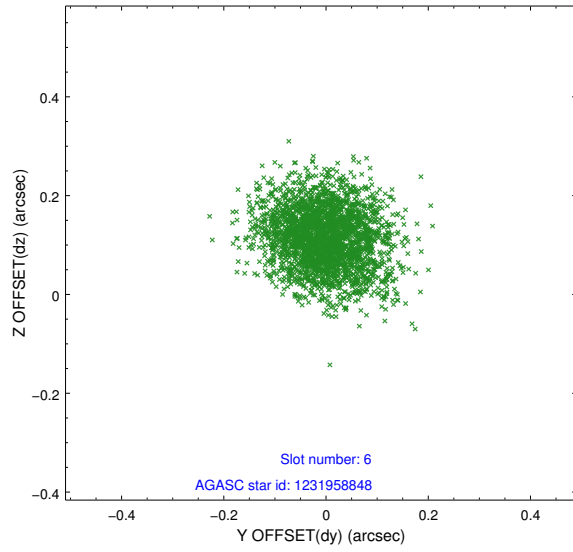
## 2.4.2 Slot 4



### 2.4.3 Slot 5

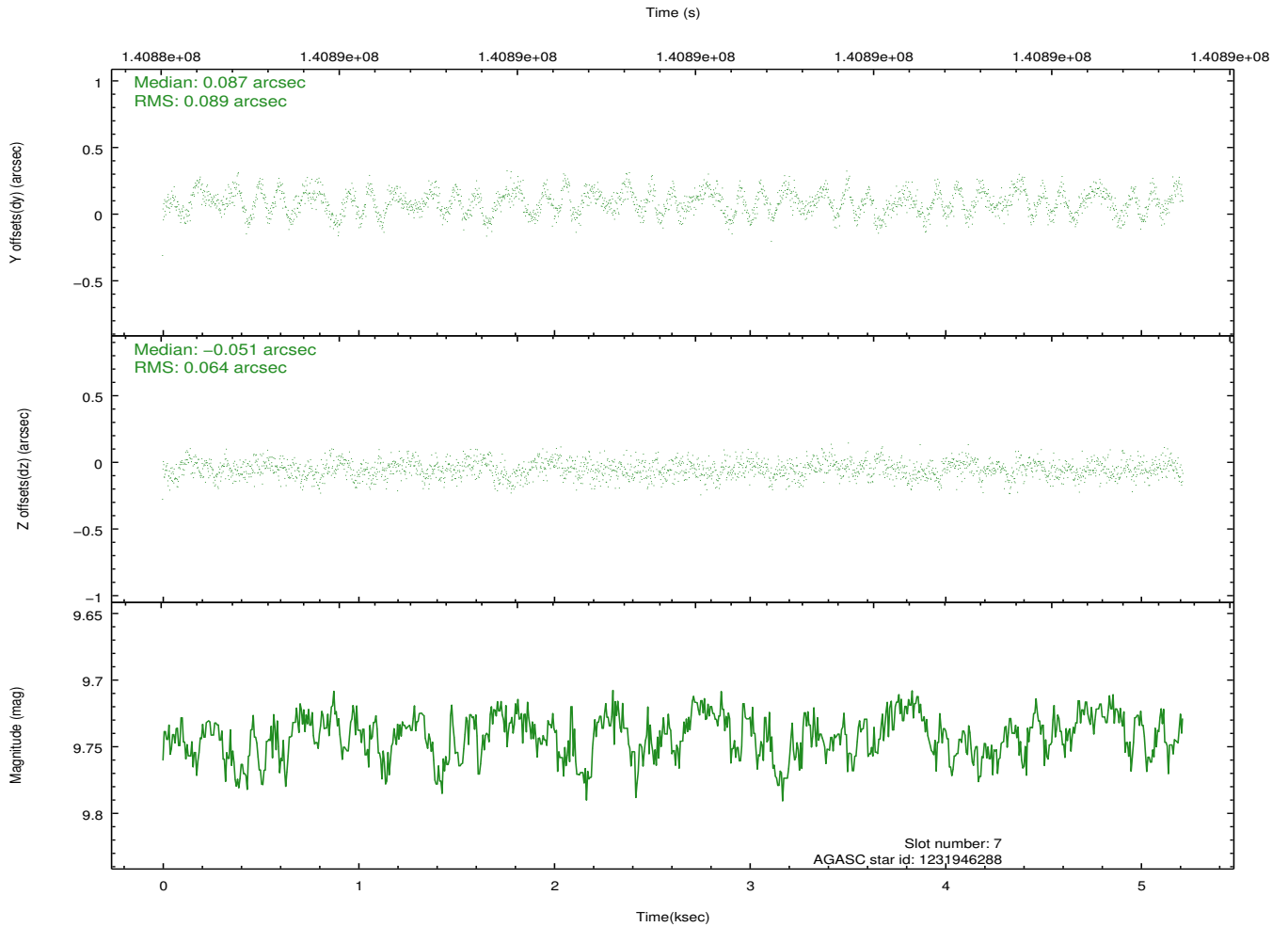
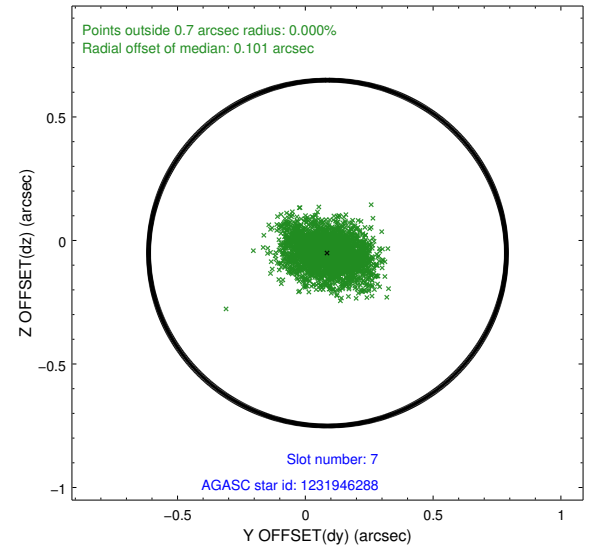
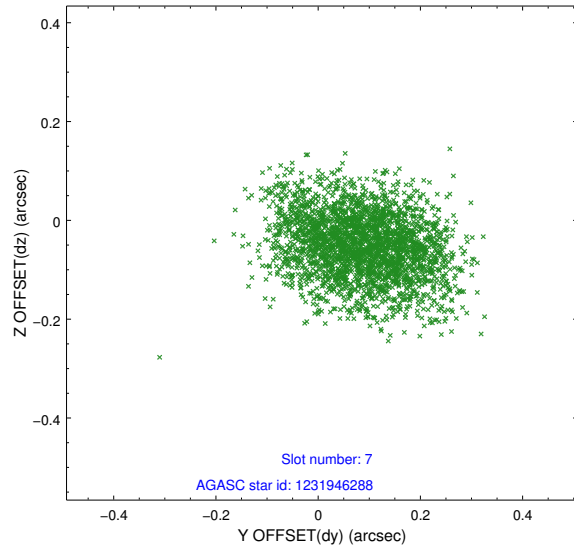


## 2.4.4 Slot 6



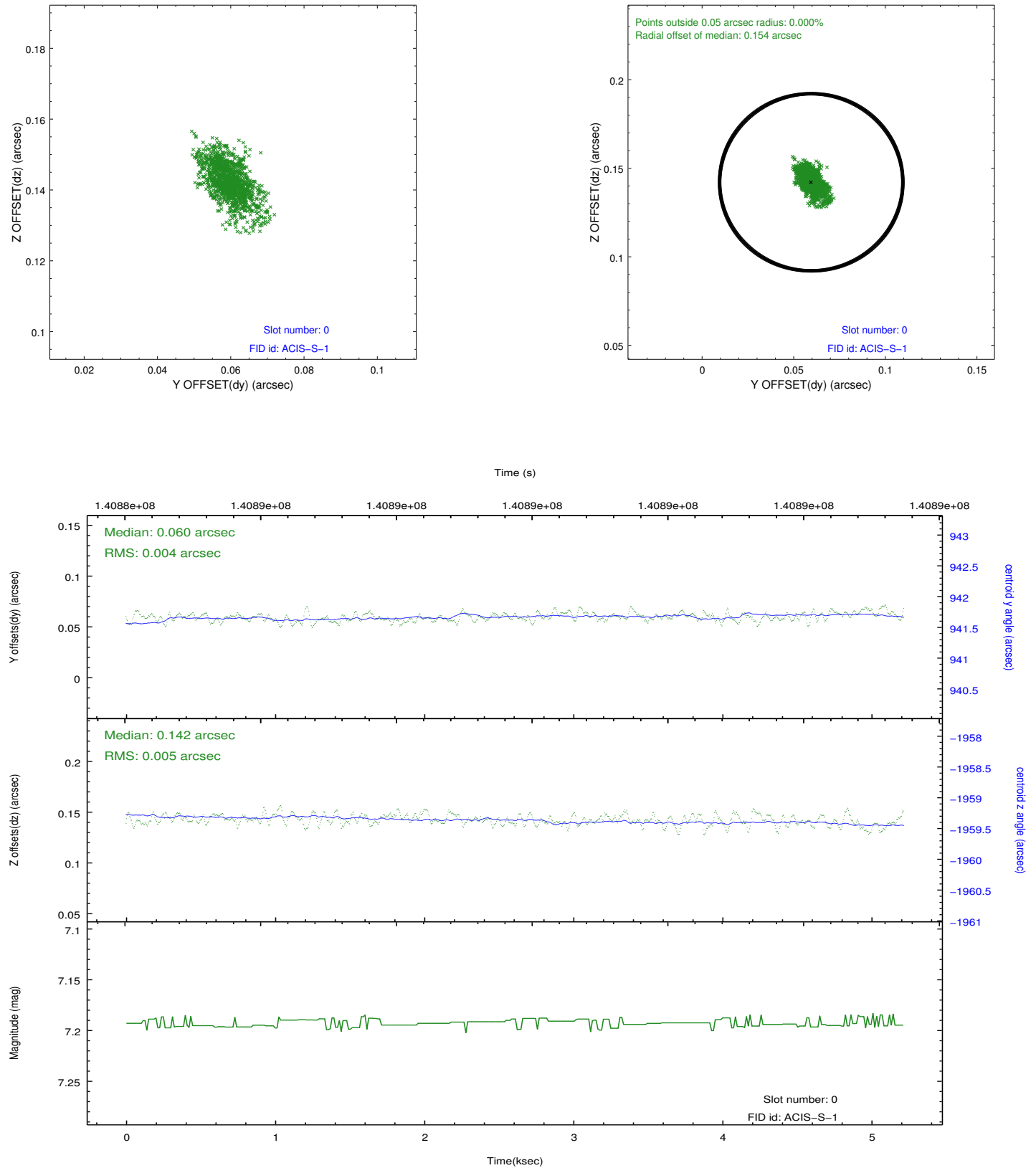


## 2.4.5 Slot 7

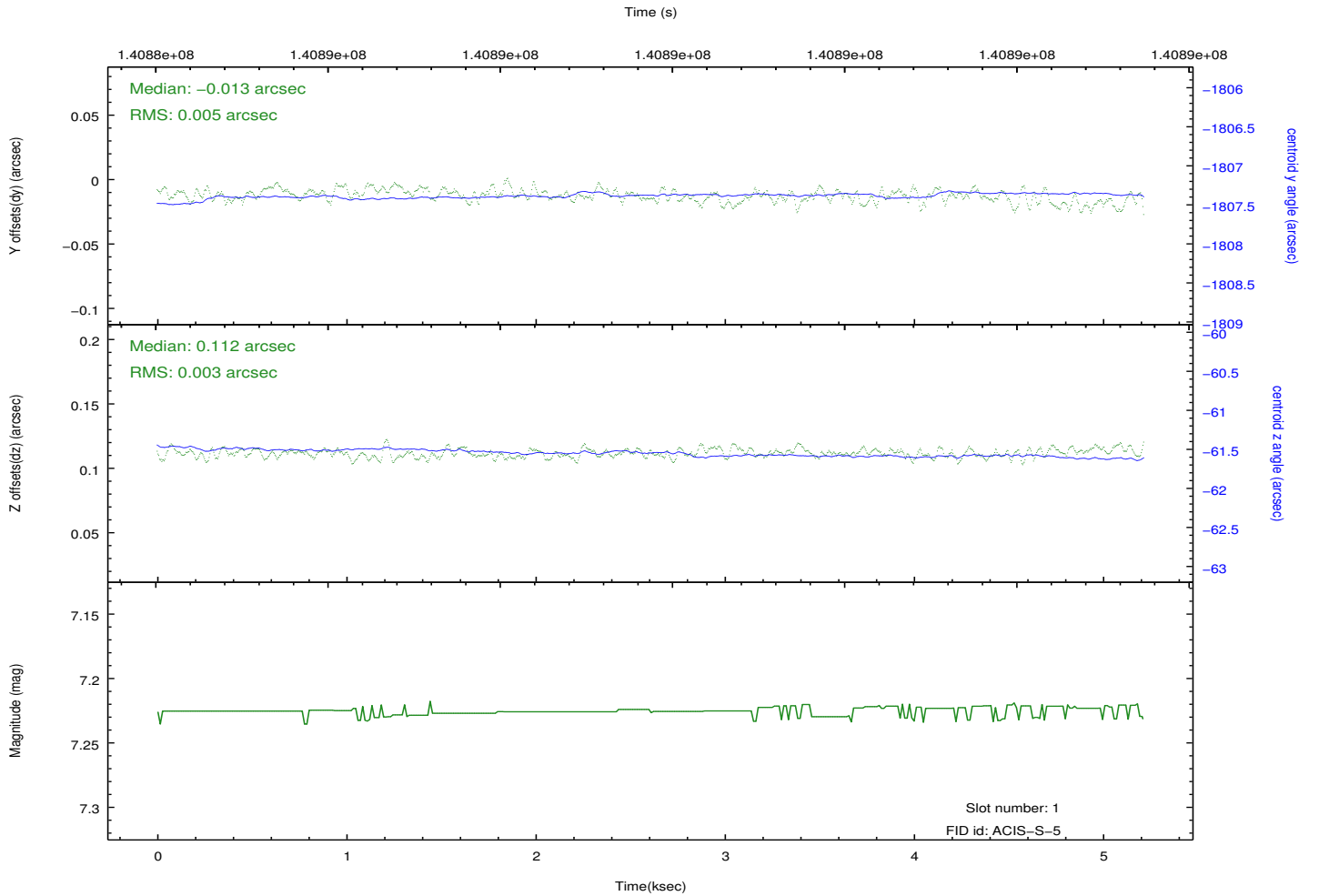
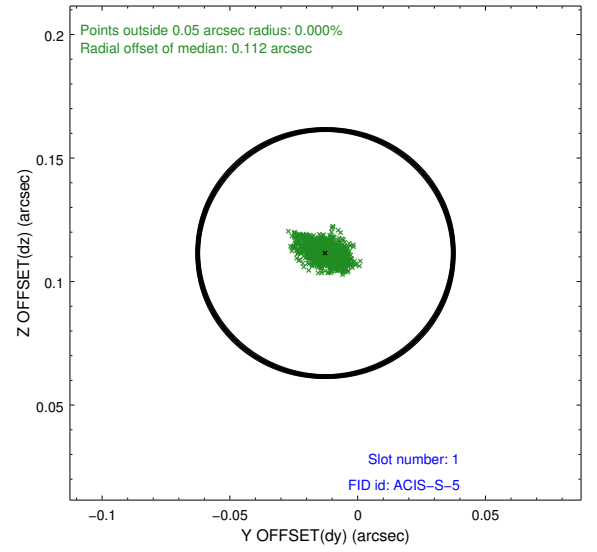
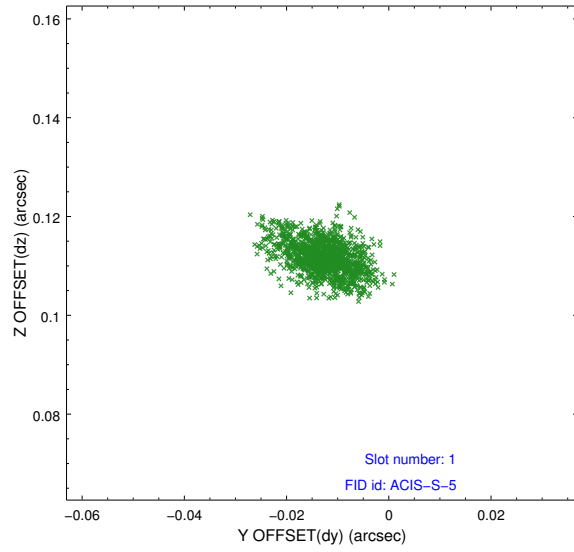


## 2.5 FID Slots

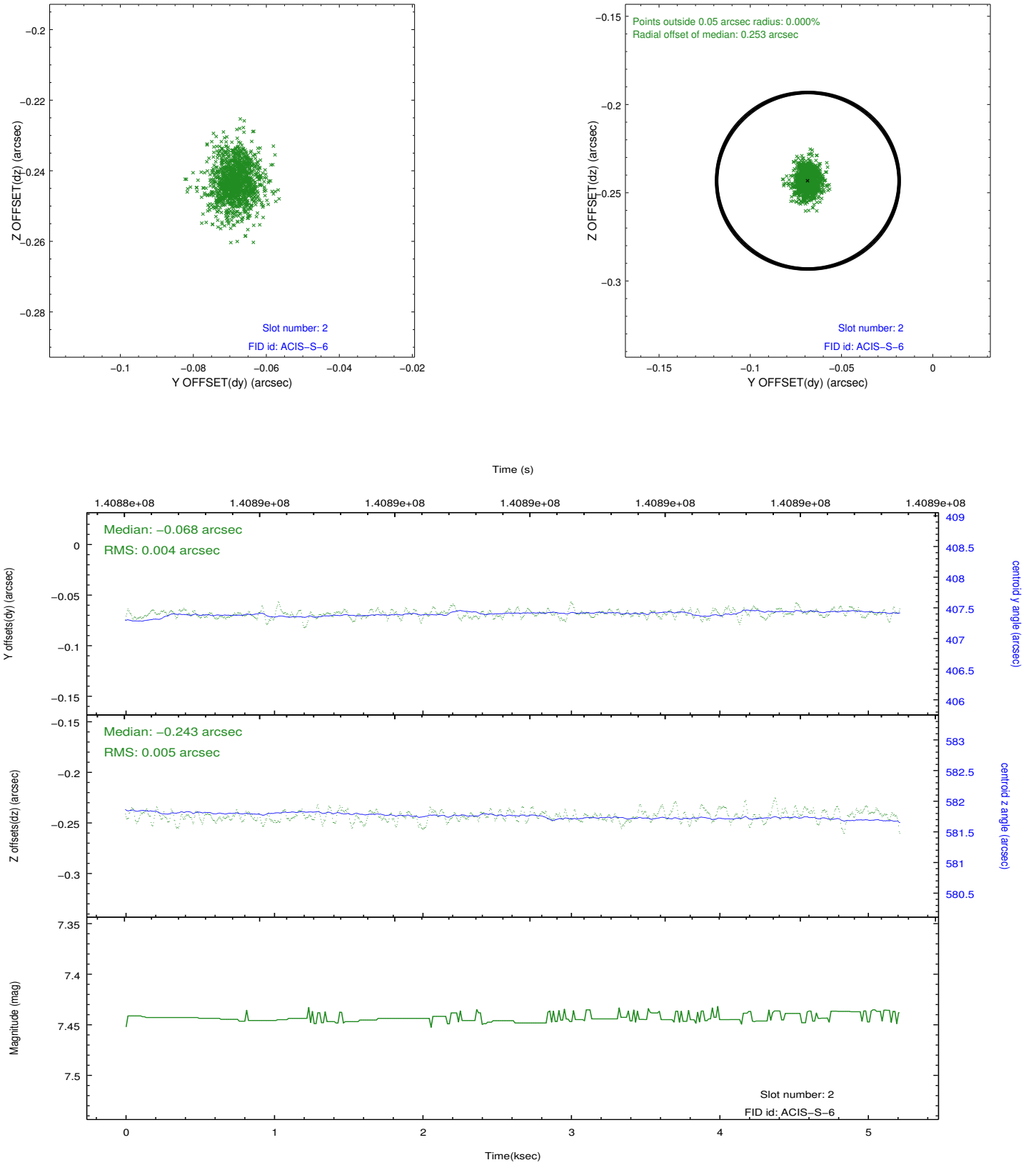
### 2.5.1 Slot 0



## 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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.216

### A.2 Comments