

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2266 - L2 Version 3  
Chandra X-Ray Center

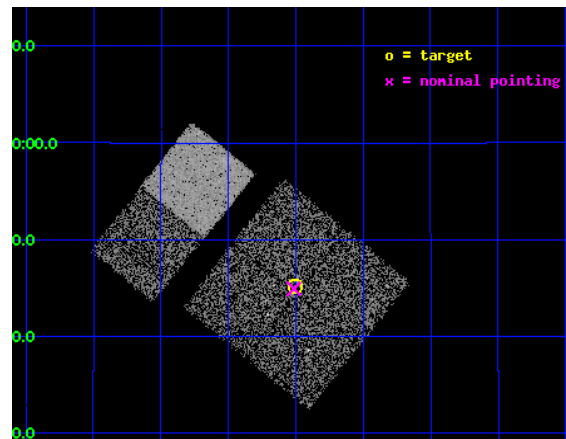
L2 Processing Date : Sep 7 2012

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# 1 Front

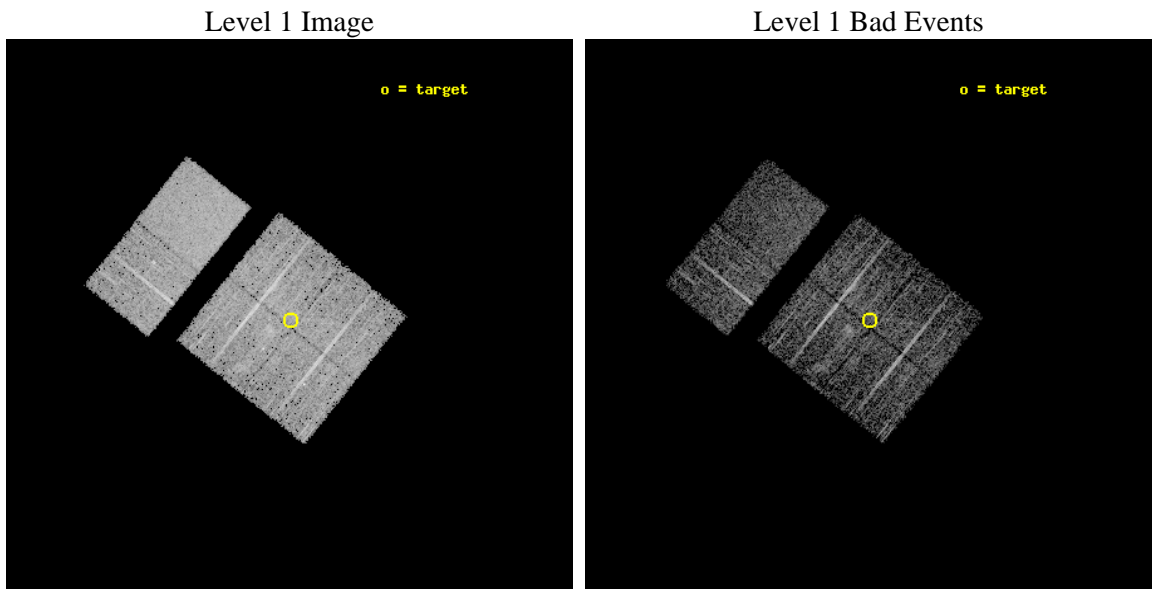
seq_num	900093	Sequence number
obs_id	2266	Observation id
title	CHANDRA OBSERVATION OF HARD X-RAY SOURCES DISCOVERED WITH ASCA	Pro
observer	Dr Yoshihiro Ueda	Principal investigator
object	AGX~J233200+1945	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	353.002083	Observer's specified target RA [deg]
dec_targ	19.7535	Observer's specified target Dec [deg]
ra_nom	353.00355703739	Nominal RA [deg]
dec_nom	19.748837208561	Nominal Dec [deg]
roll_nom	308.83016032138	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4723.2000043839	Sum of GTIs [s]
livetime	4663.3920019588	Livetime [s]
ontime0	4723.2000043839	Sum of GTIs [s]
ontime1	4723.2000043839	Sum of GTIs [s]
ontime2	4723.2000043839	Sum of GTIs [s]
ontime3	4723.2000043839	Sum of GTIs [s]
ontime6	4723.2000043839	Sum of GTIs [s]
ontime7	4723.2000043839	Sum of GTIs [s]
l2events	29985	Number of level 2 events



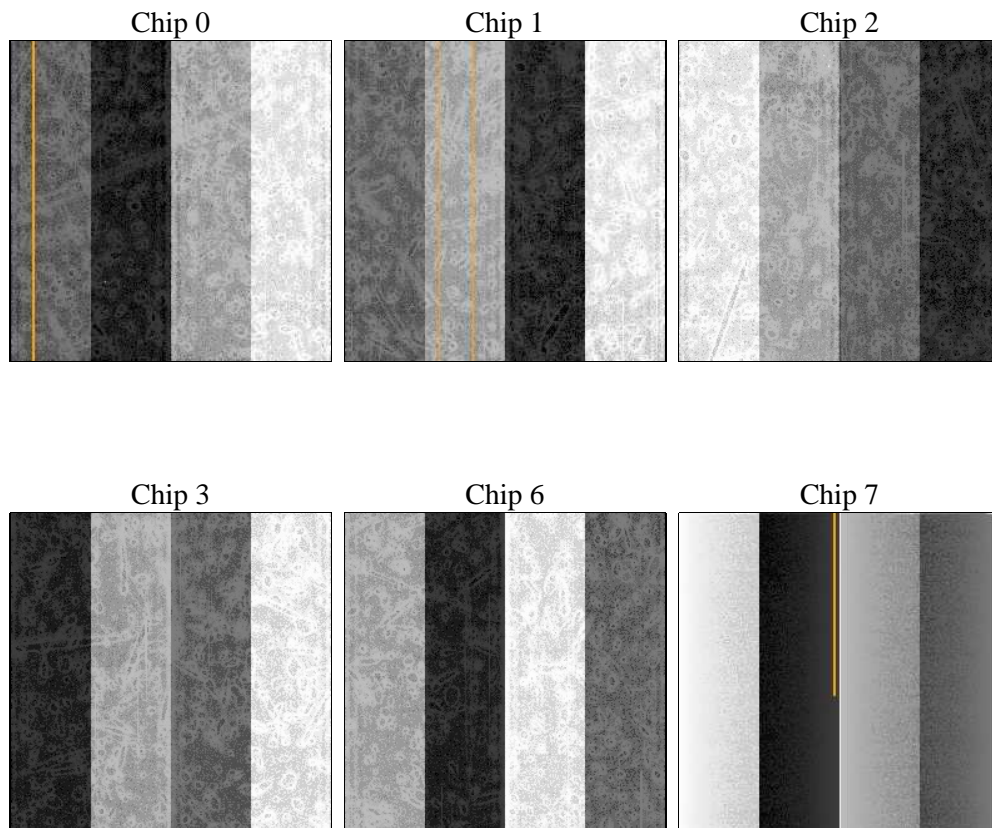
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4781.335000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4723.2000043839	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	4723.2000043839	Sum of GTIs [s]
date	2012-09-07T03:42:46	Date and time of file creation	ontime1	4723.2000043839	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4723.2000043839	Sum of GTIs [s]
			ontime3	4723.2000043839	Sum of GTIs [s]
			ontime6	4723.2000043839	Sum of GTIs [s]
			ontime7	4723.2000043839	Sum of GTIs [s]
			l1events	170732	Number of level 1 events

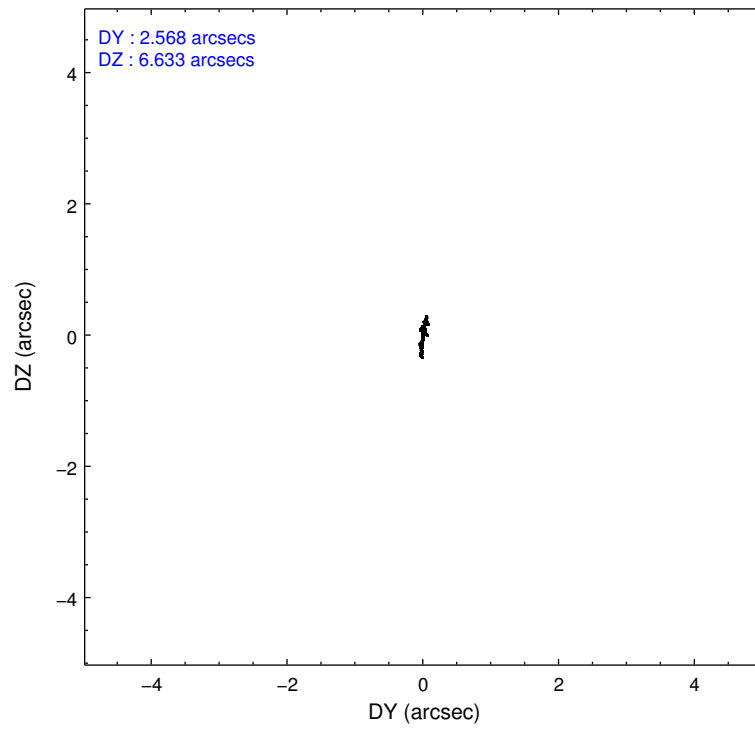
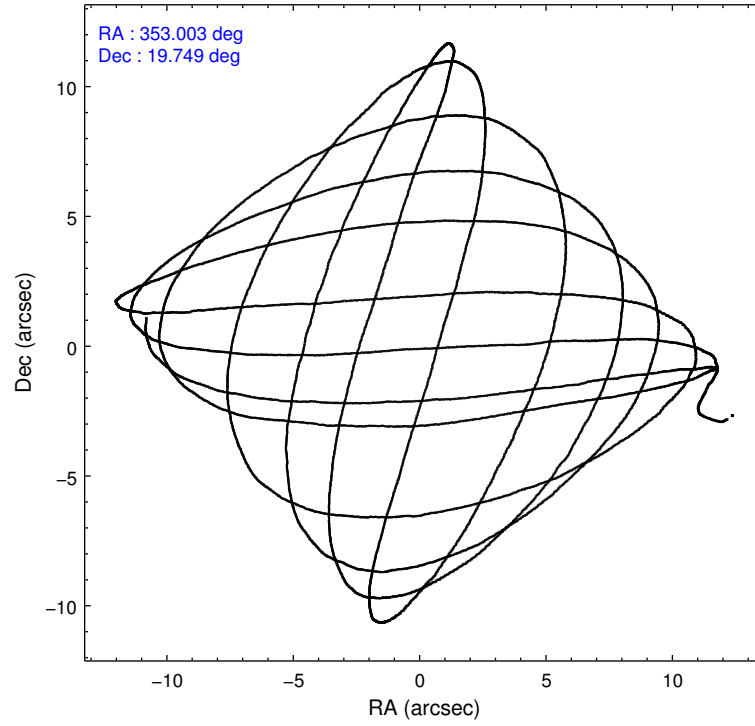
### 2.1.4 Events

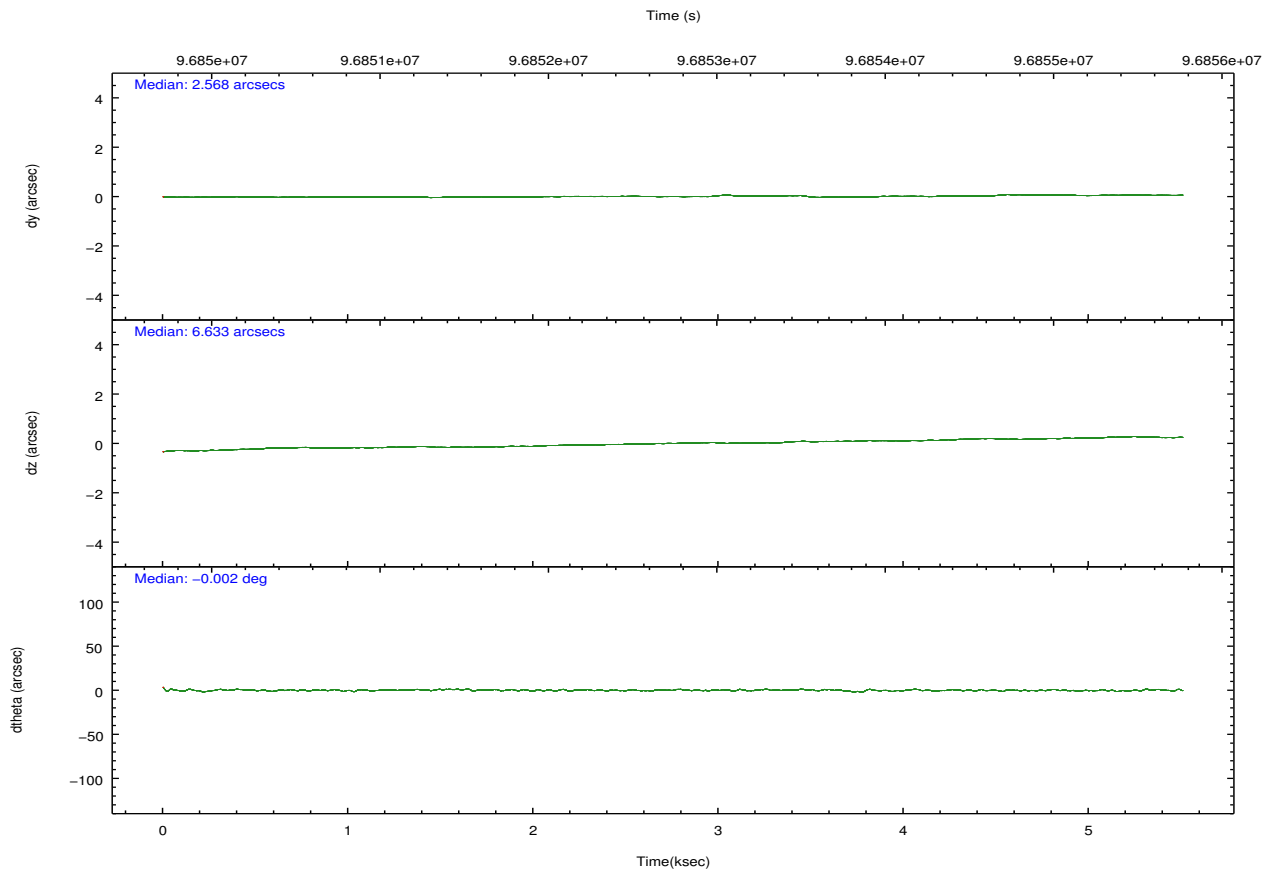
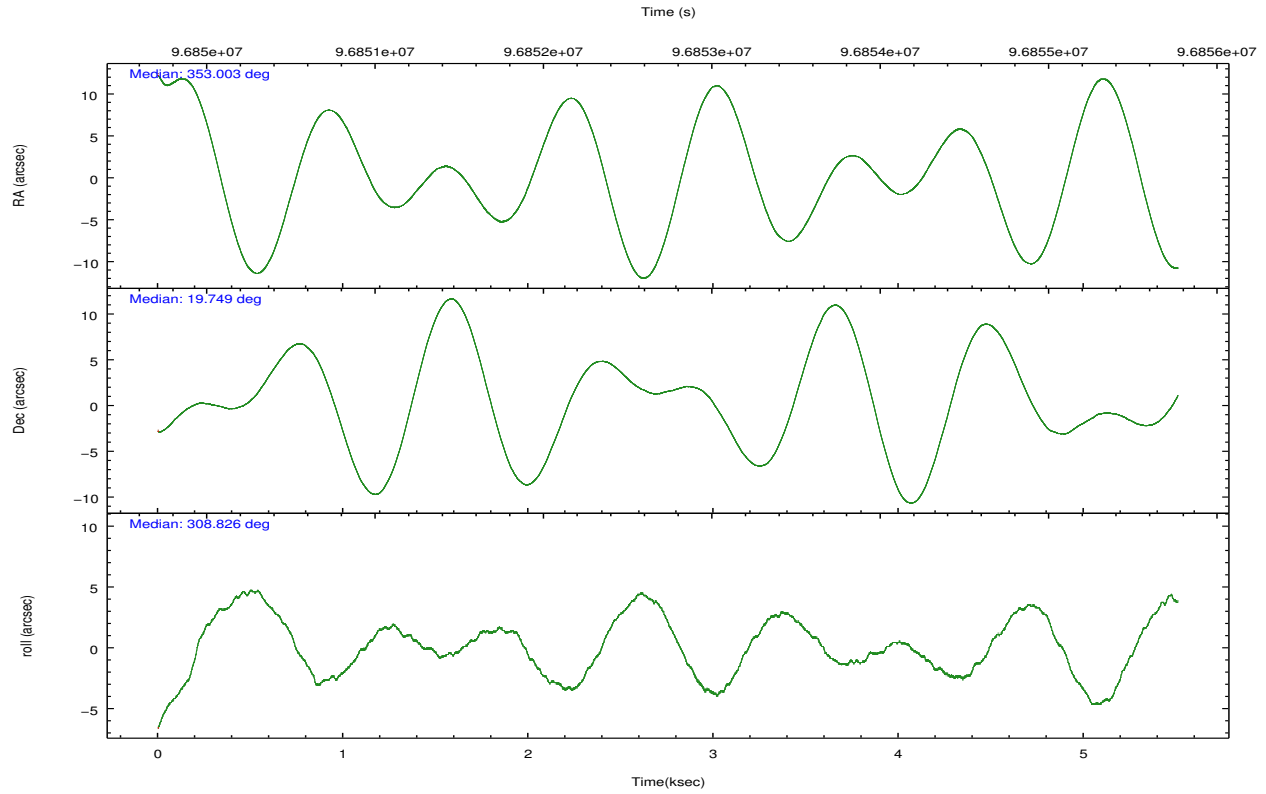
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	25644	25097	28527	27965	28002	35497	grade 0 events	1659	1531	1722	1497	1658	1392
rejected events	21955	21438	24808	24482	24220	20735		6%	6%	6%	5%	5%	3%
rejected %	85%	85%	86%	87%	86%	58%	grade 1 events	16	12	16	10	16	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	776	721	802	742	750	2865
								3%	2%	2%	2%	2%	8%
							grade 3 events	318	392	279	340	346	1351
								1%	1%	0%	1%	1%	3%
							grade 4 events	324	358	340	292	320	1361
								1%	1%	1%	1%	1%	3%
							grade 5 events	949	1020	896	1021	1163	3403
								3%	4%	3%	3%	4%	9%
							grade 6 events	612	659	579	616	710	7806
								2%	2%	2%	2%	2%	21%
							grade 7 events	20990	20404	23893	23447	23039	17282
								81%	81%	83%	83%	82%	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	352.976258	353.0035570373925	Subarray requested	NONE	NONE
[deg] Pointing Dec	19.758821	19.74883720856122	Alternating exposures requested	N	N
[deg] Pointing Roll	308.630719	308.83016032138	[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)	96850714.184000	96849483.296507			
Observation start date	2001-01-25T22:57:30	2001-01-25T22:38:03			
[s] Observation end time (MET)	96855495.184000	96855810.10924999			
Observation end date	2001-01-26T00:17:11	2001-01-26T00:23:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect



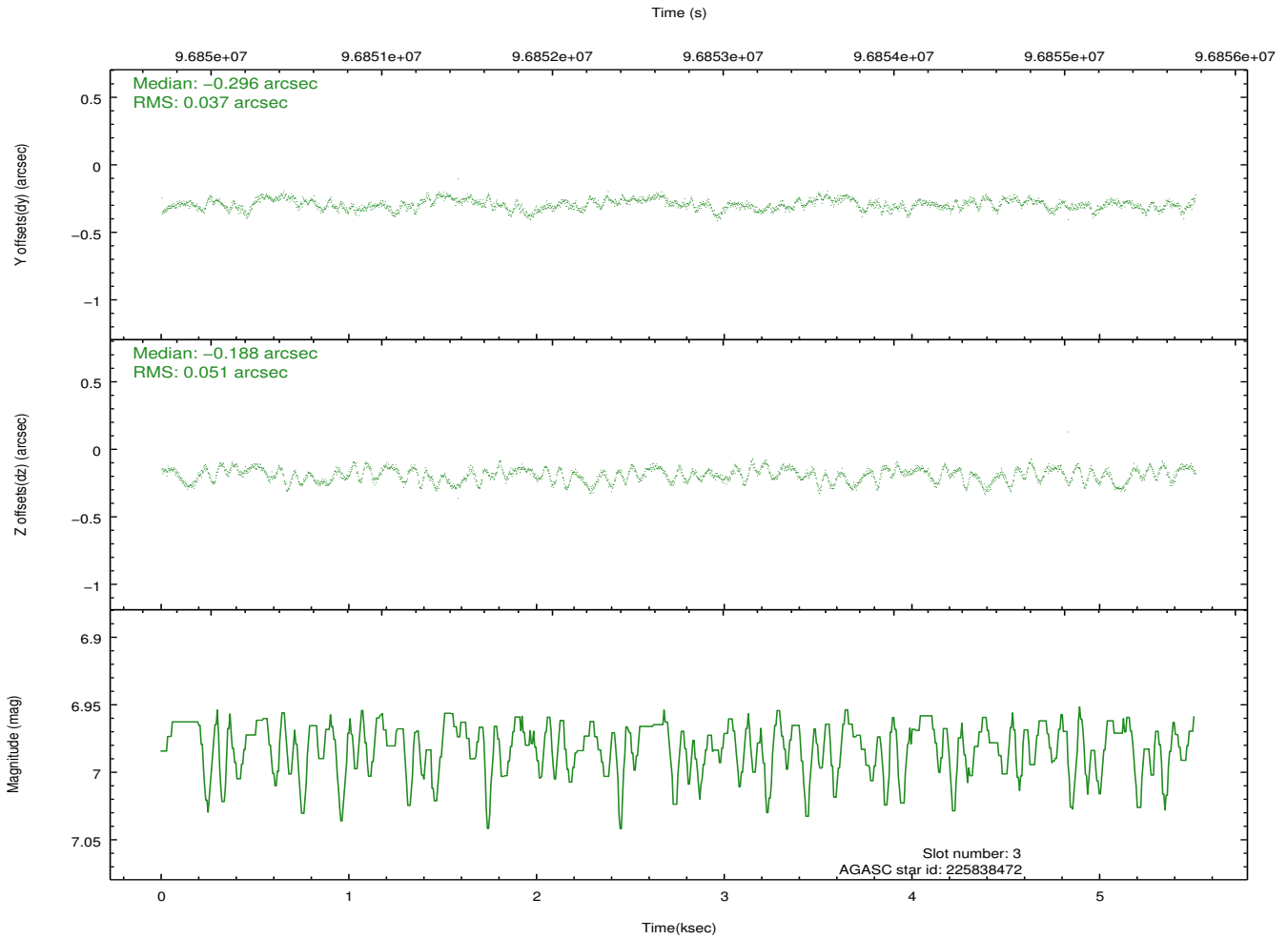
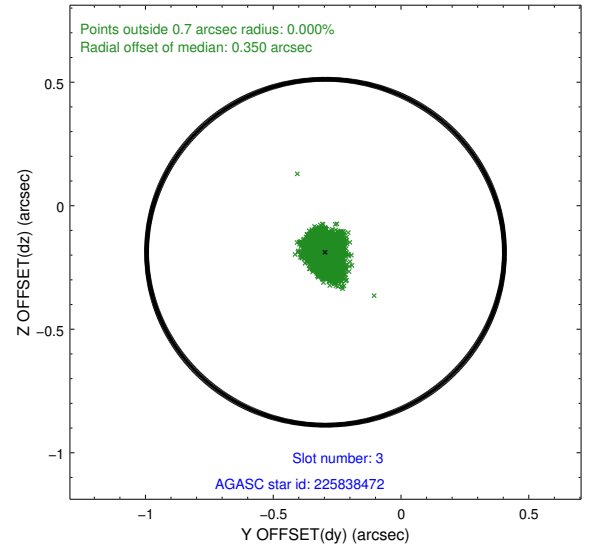
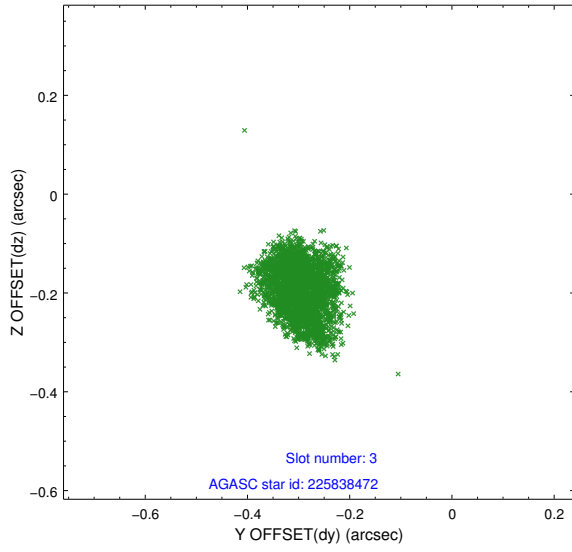


### Slot Statistics

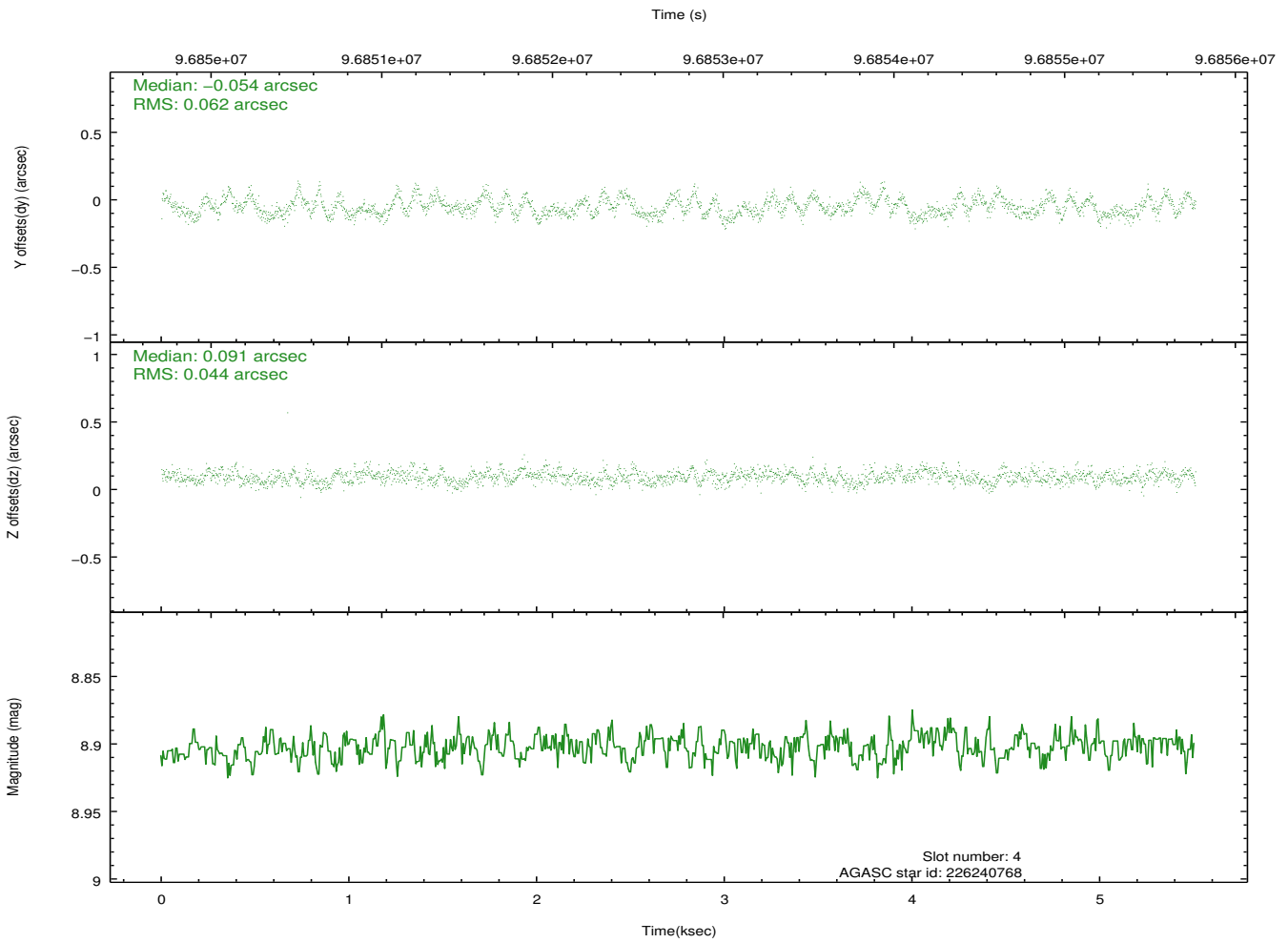
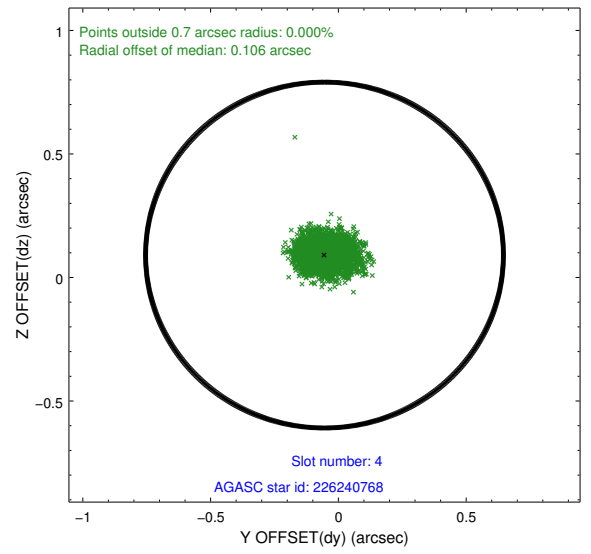
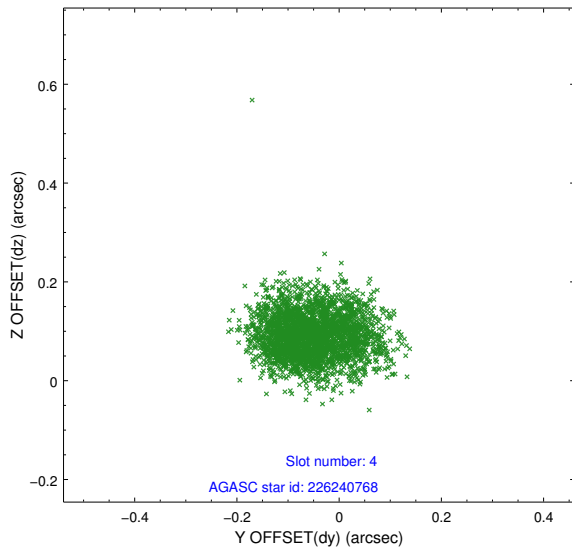
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1344	-0.040	-0.057	0.009	0.015	0.000000	0.000000	-756.98	-836.43
1	FID	ACIS-I-4	7.18	1344	-0.013	0.046	0.005	0.010	0.000000	0.000000	2156.61	1069.30
2	FID	ACIS-I-5	7.23	1344	-0.048	0.080	0.008	0.015	0.000000	0.000000	-1809.41	1068.43
3	GUIDE	225838472	6.98	2688	-0.296	-0.188	0.068	0.104	352.098079	19.885581	-2217.56	-2032.62
4	GUIDE	226240768	8.90	2688	-0.054	0.091	0.081	0.130	353.030892	20.523748	-2036.10	1862.86
5	GUIDE	225843792	9.26	2687	0.105	0.085	0.074	0.121	353.581433	19.686286	1482.21	1443.14
6	GUIDE	225842984	9.17	2688	0.038	-0.019	0.104	0.160	353.043201	19.102232	1990.51	-1296.58
7	GUIDE	225854088	9.58	2683	0.210	0.036	0.123	0.186	353.182155	19.088390	2324.62	-959.09

## 2.4 Star Slots

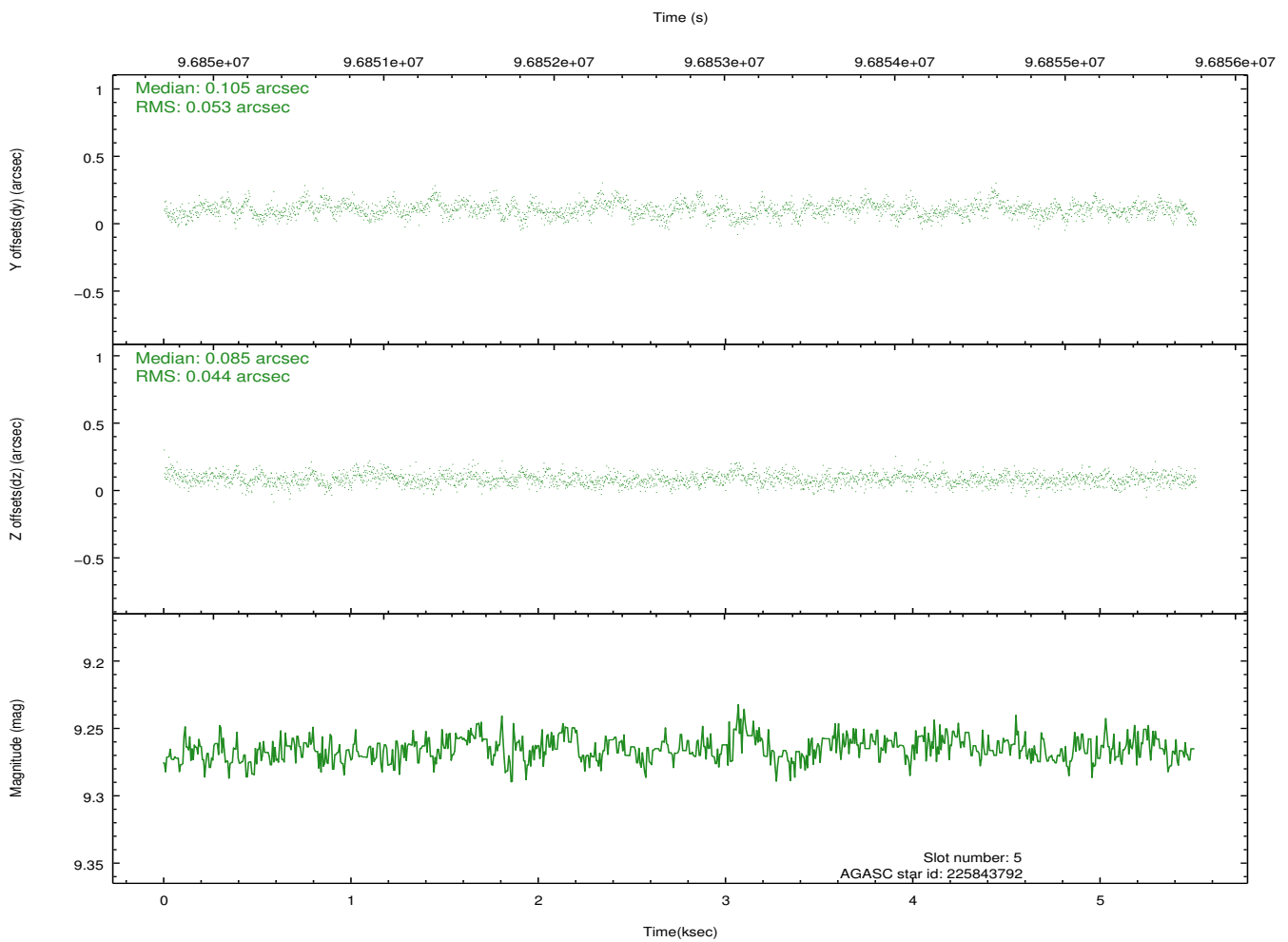
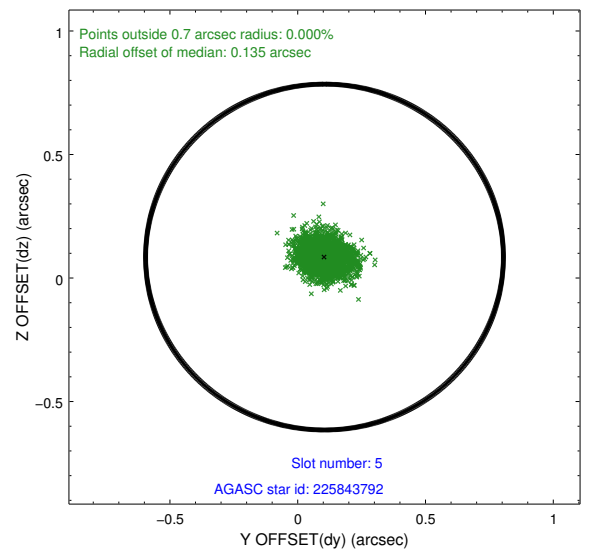
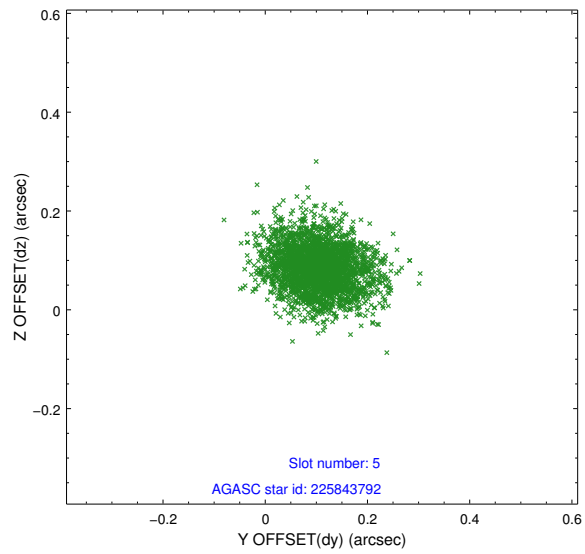
### 2.4.1 Slot 3



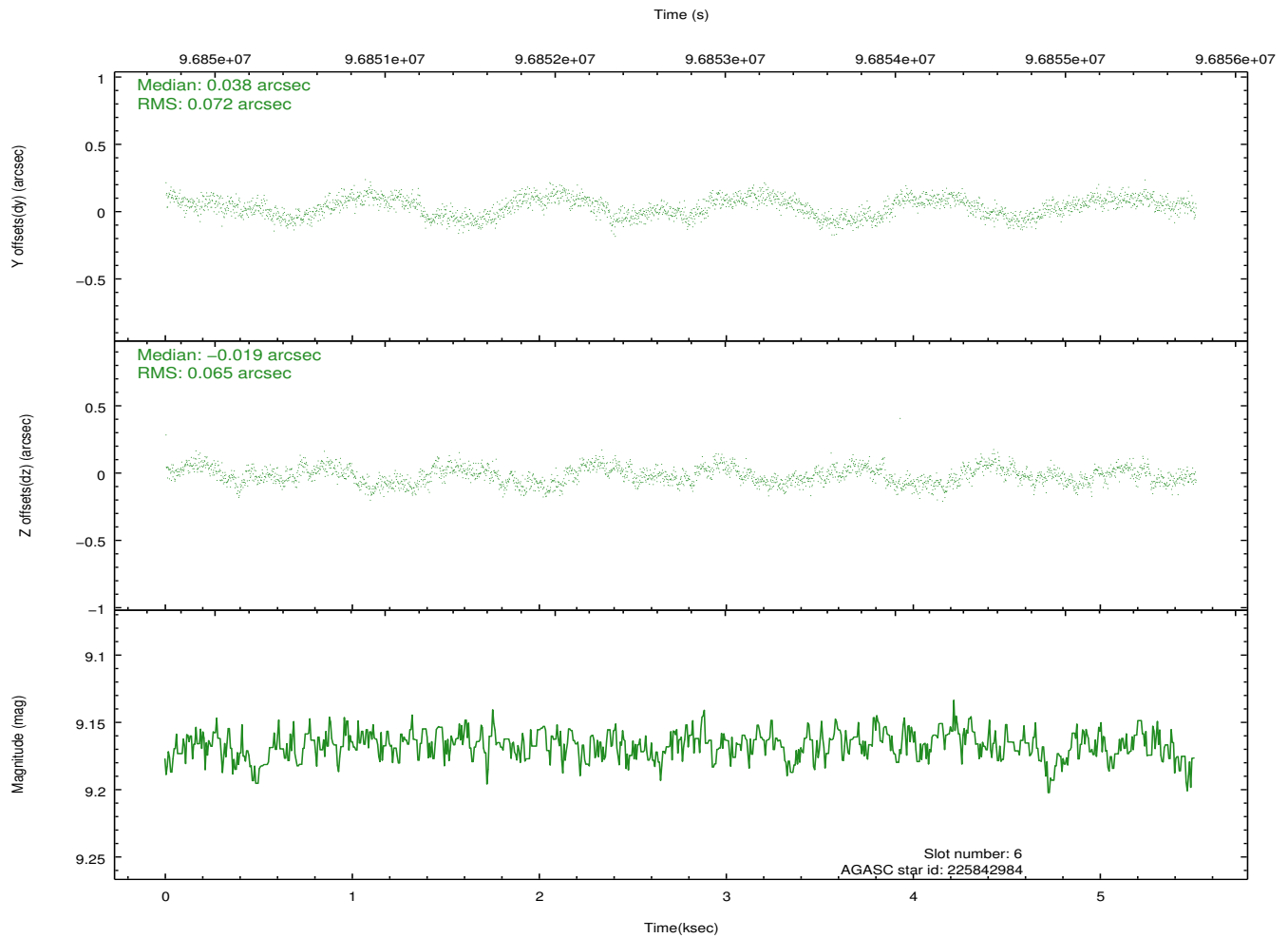
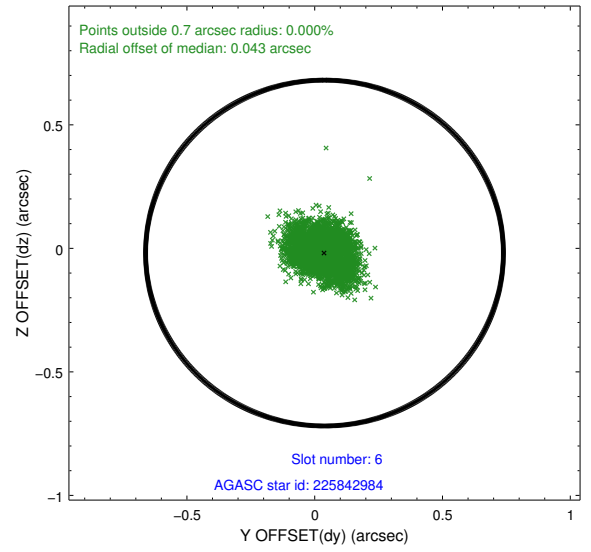
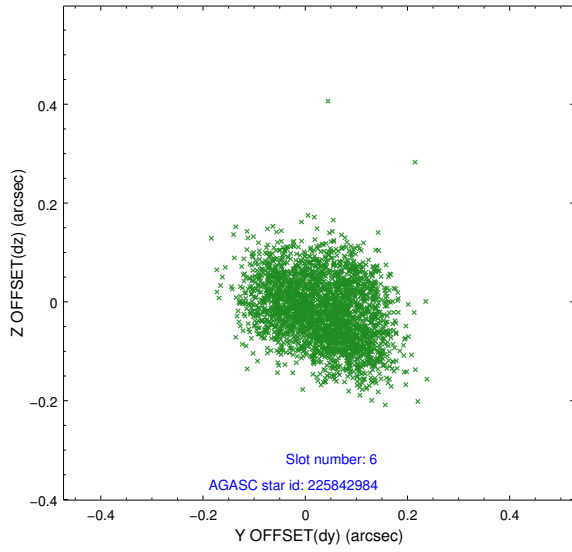
## 2.4.2 Slot 4



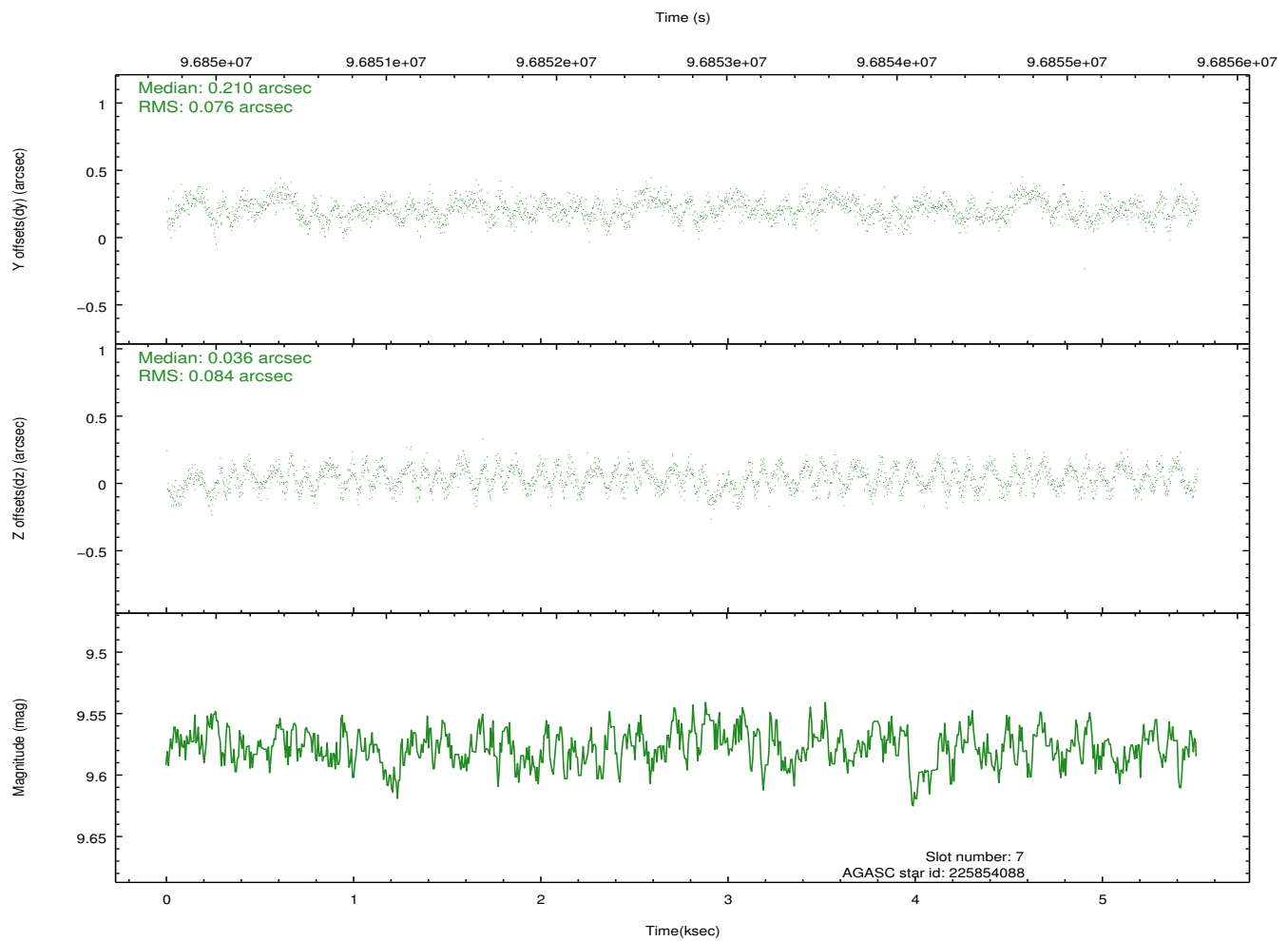
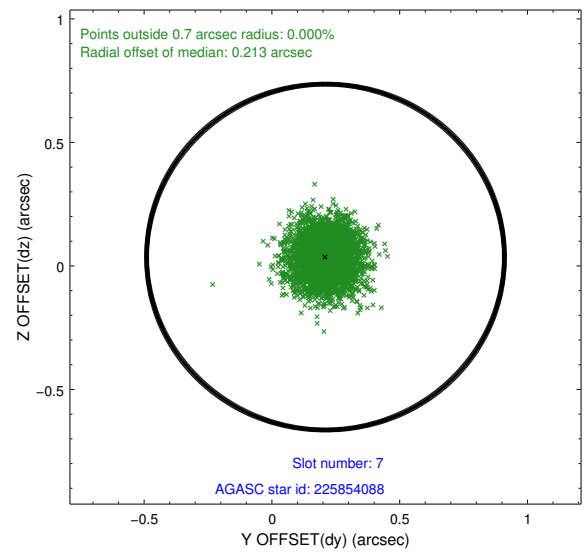
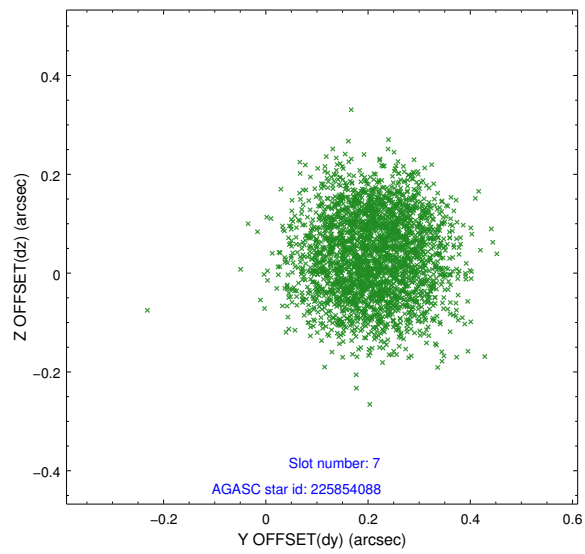
### 2.4.3 Slot 5



## 2.4.4 Slot 6

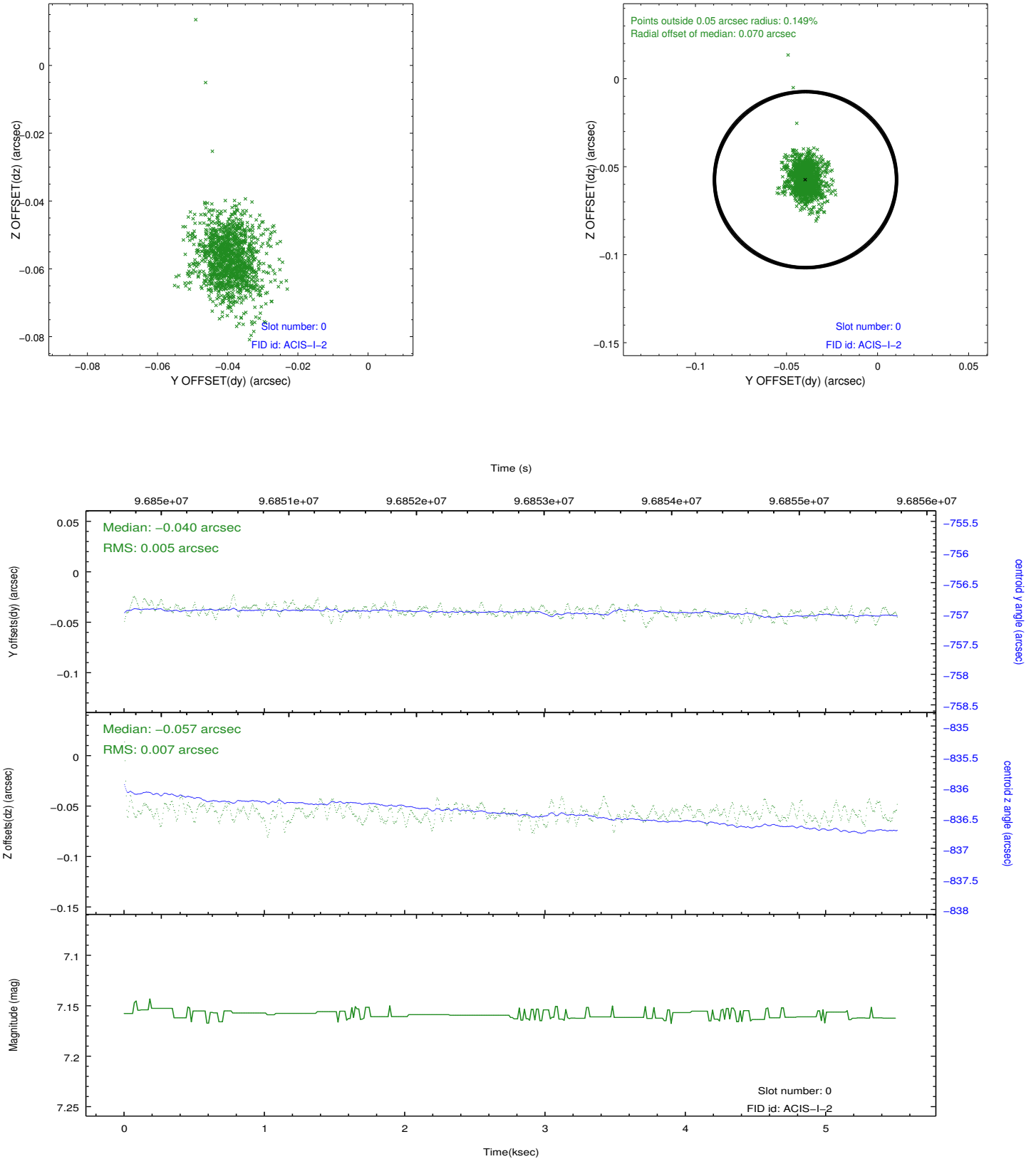


## 2.4.5 Slot 7

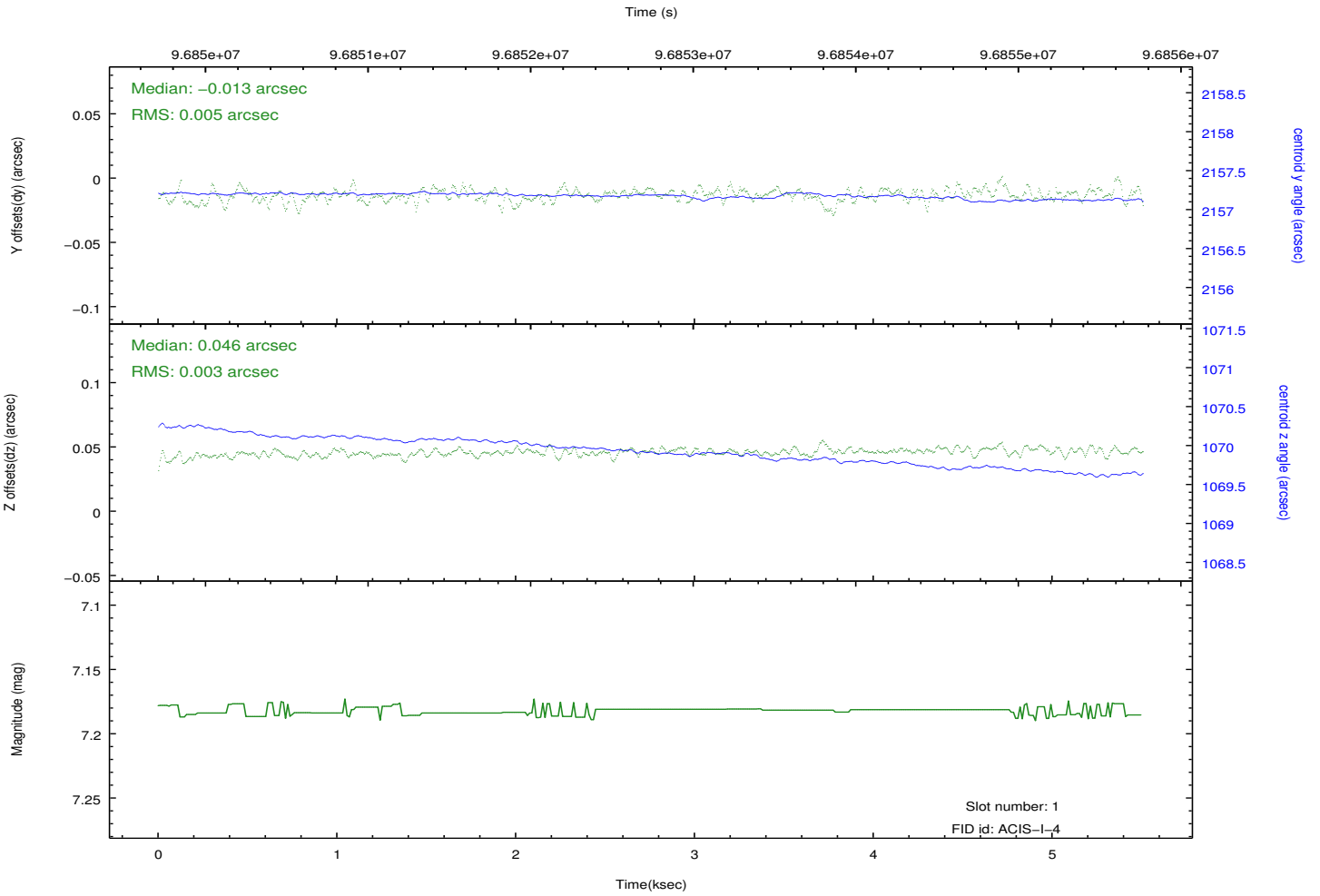
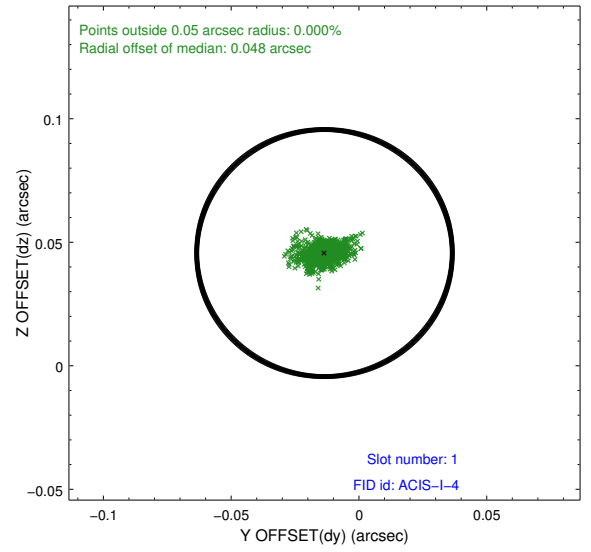
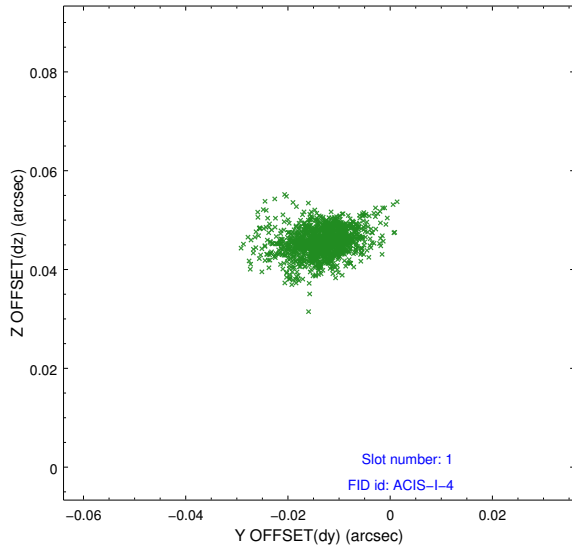


## 2.5 FID Slots

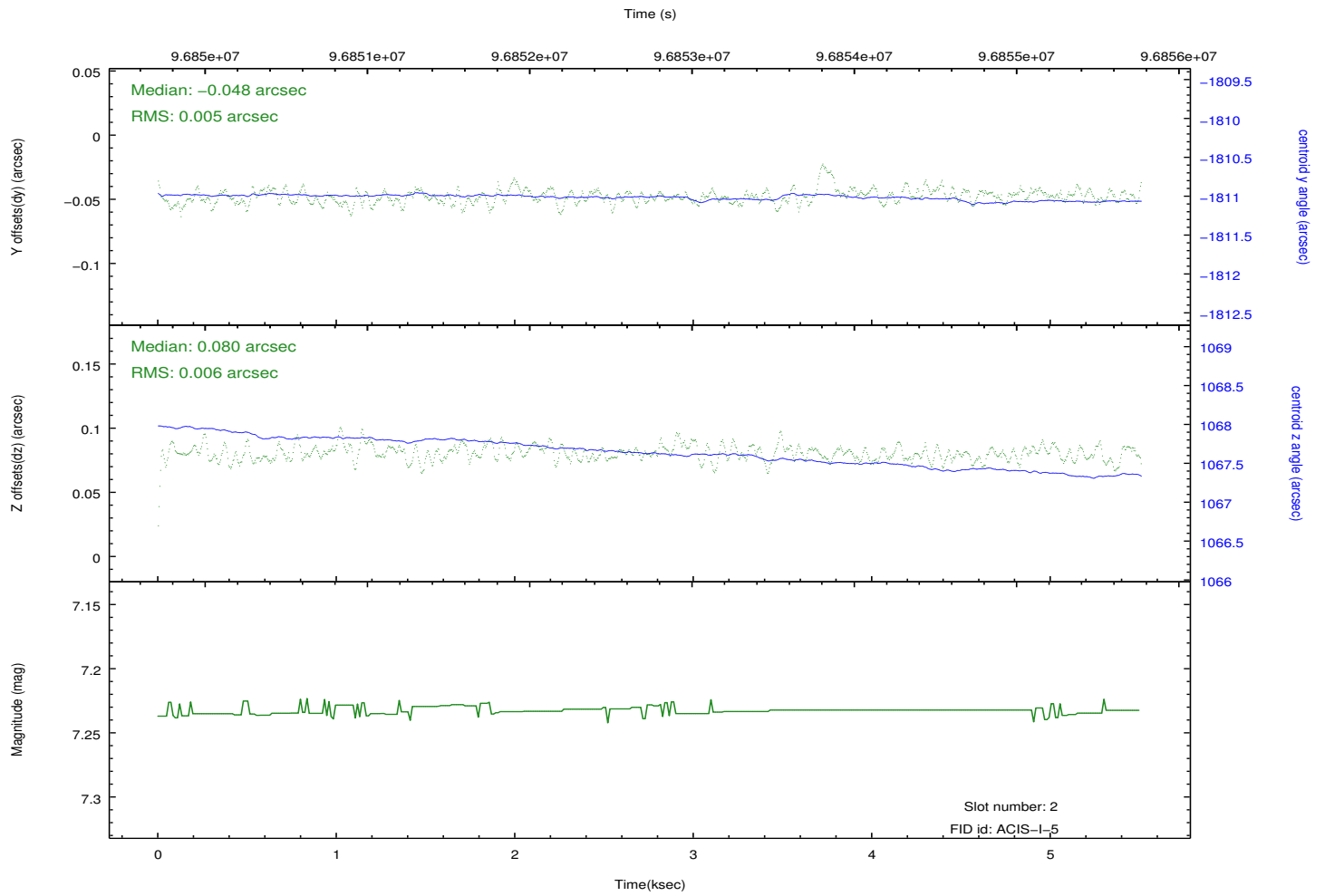
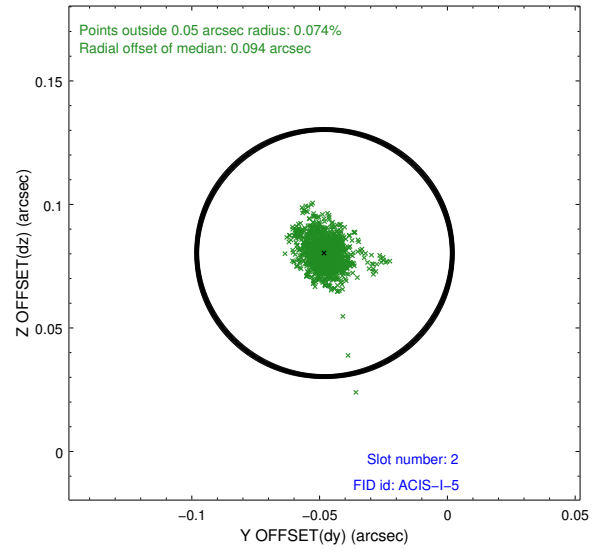
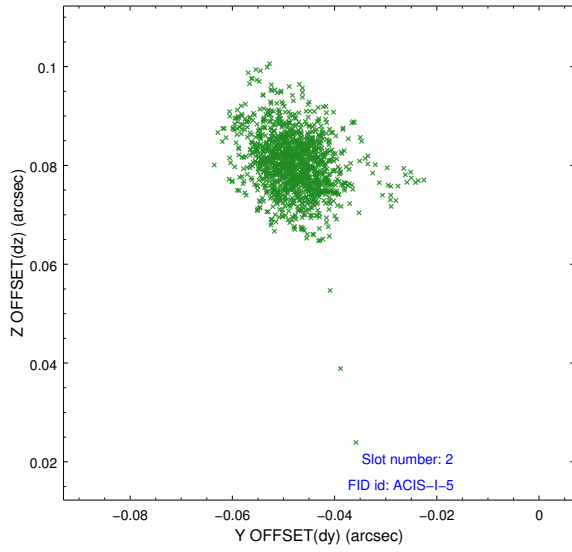
### 2.5.1 Slot 0



## 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)	2012.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.726

### A.2 Comments