

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 7227 - L2 Version 2  
Chandra X-Ray Center

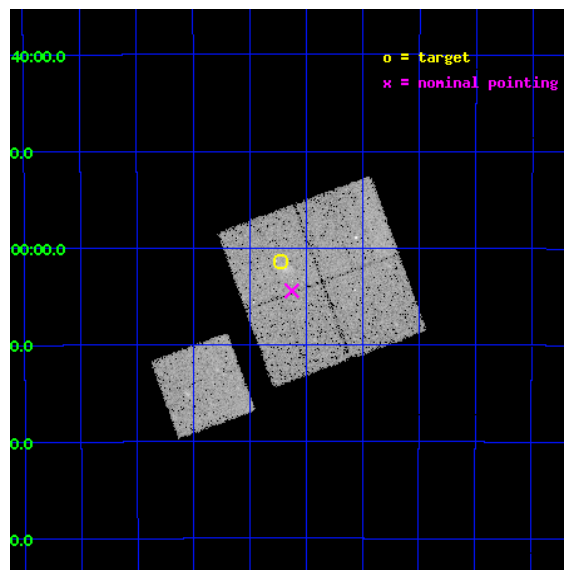
L2 Processing Date : Mar 28 2012

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# 1 Front

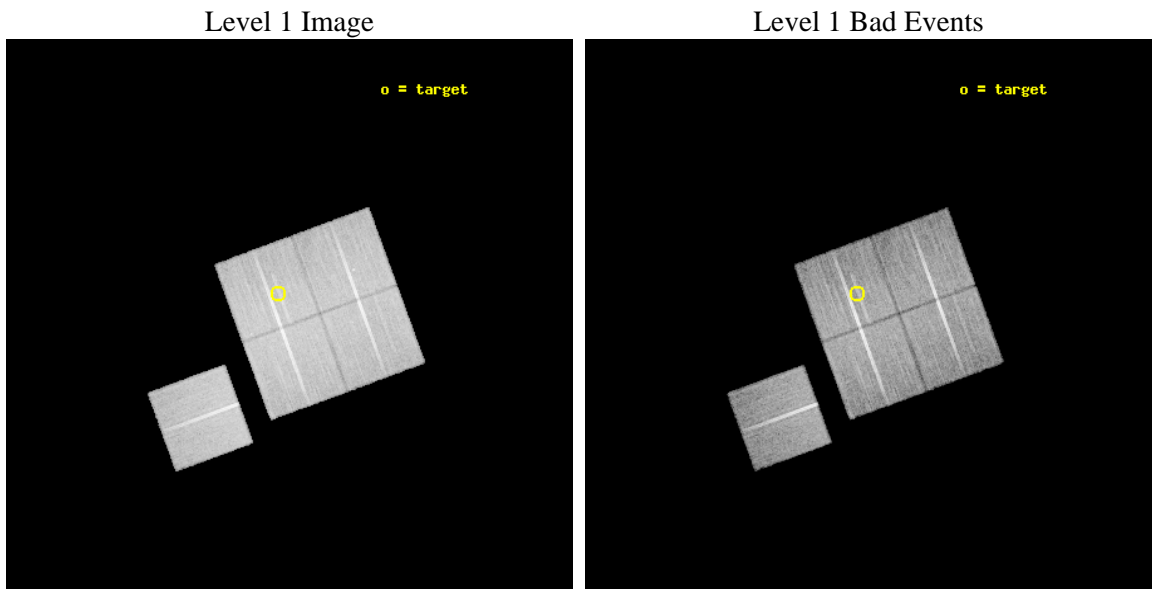
seq_num	800611	Sequence number
obs_id	7227	Observation id
title	Chandra observations of high-redshift clusters of galaxies from the 400 Square Degrees ROSAT PSPC survey	Proposal title
observer	Dr Stephen Murray	Principal investigator
object	cl0350-3801	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	57.682917	Observer's specified target RA [deg]
dec_targ	-38.023611	Observer's specified target Dec [deg]
ra_nom	57.65685117732	Nominal RA [deg]
dec_nom	-38.073891345723	Nominal Dec [deg]
roll_nom	249.87433805299	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25047.99995181	Sum of GTIs [s]
livetime	24720.72939237	Livetime [s]
ontime0	25047.99995181	Sum of GTIs [s]
ontime1	25041.717991412	Sum of GTIs [s]
ontime2	25047.99995181	Sum of GTIs [s]
ontime3	25047.99995181	Sum of GTIs [s]
ontime6	25044.85898152	Sum of GTIs [s]
l2events	78760	Number of level 2 events



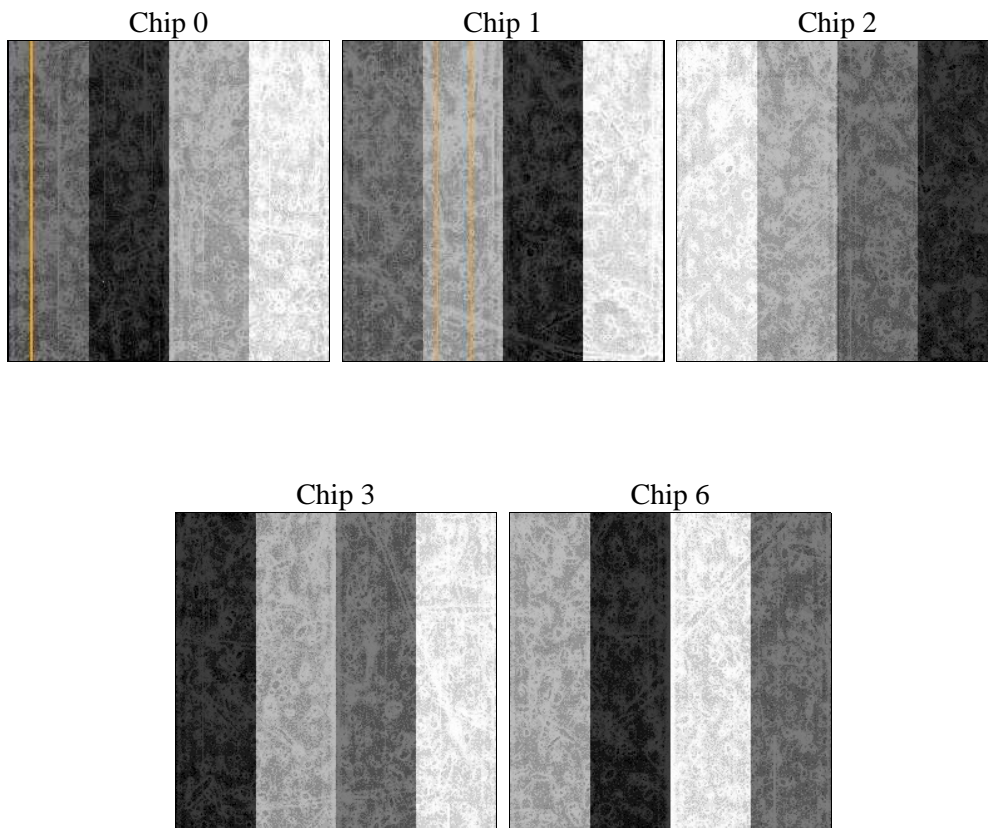
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	25047.99995181	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime0	25047.99995181	Sum of GTIs [s]
date	2012-03-28T06:26:45	Date and time of file creation	ontime1	25041.717991412	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	25047.99995181	Sum of GTIs [s]
			ontime3	25047.99995181	Sum of GTIs [s]
			ontime6	25044.85898152	Sum of GTIs [s]
			l1events	899281	Number of level 1 events

### 2.1.4 Events

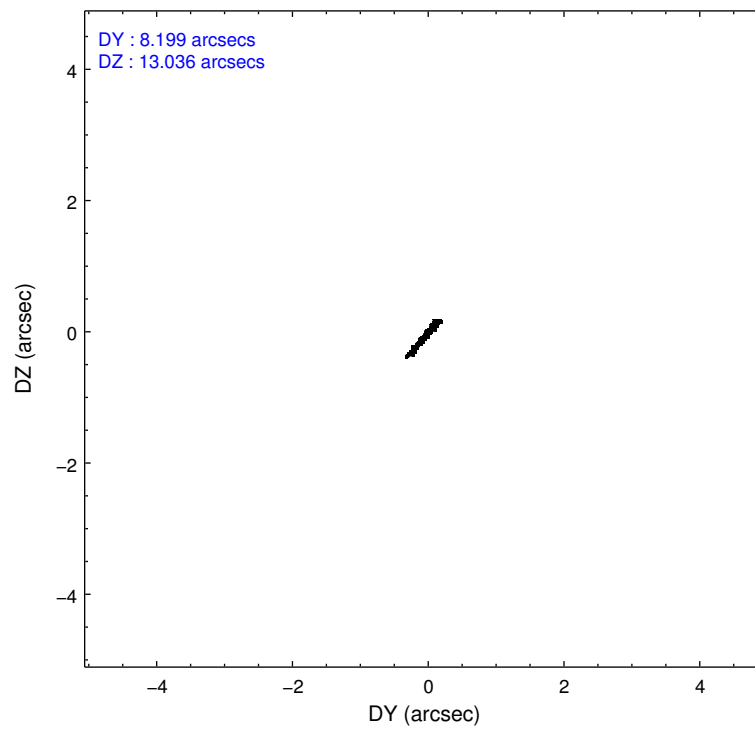
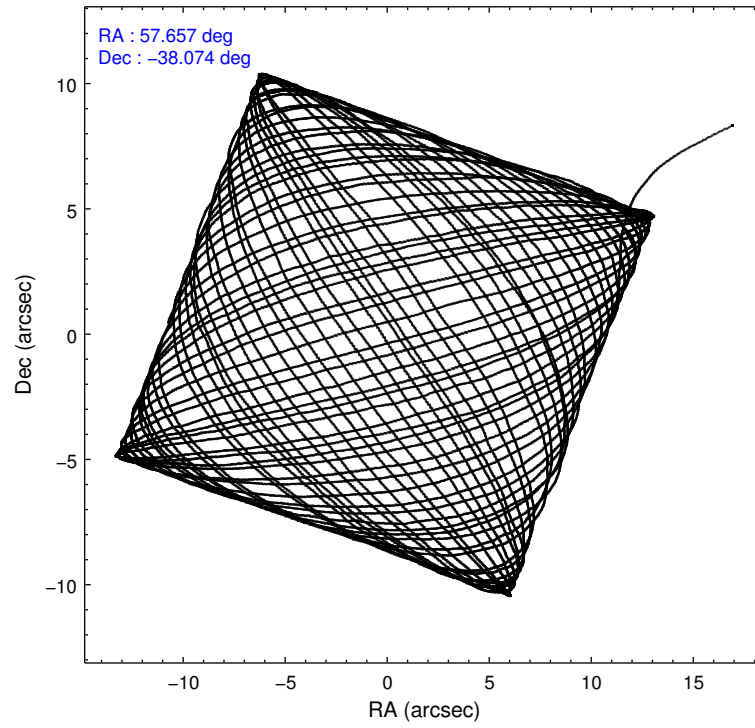
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	172335	172766	191173	186376	176631
rejected events	153877	151757	173336	168045	157369
rejected %	89%	87%	90%	90%	89%

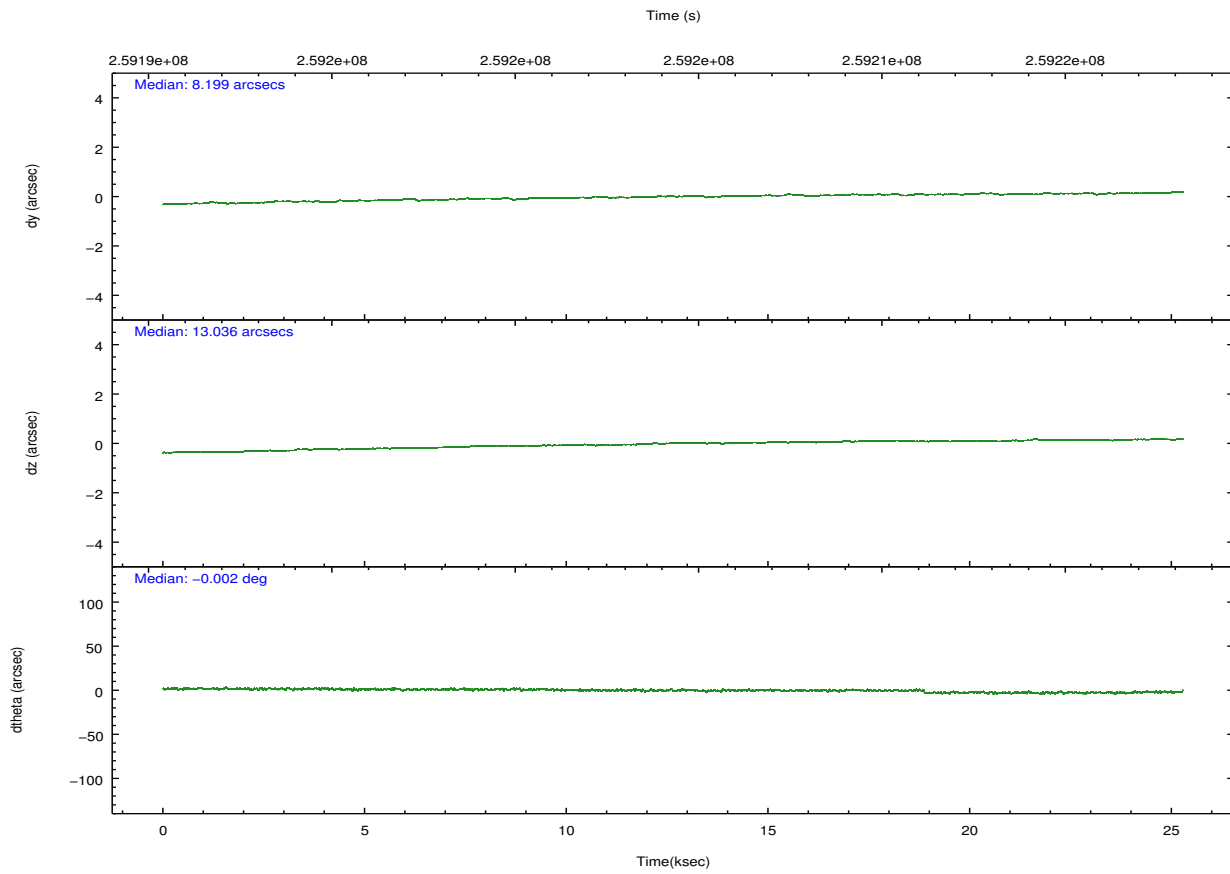
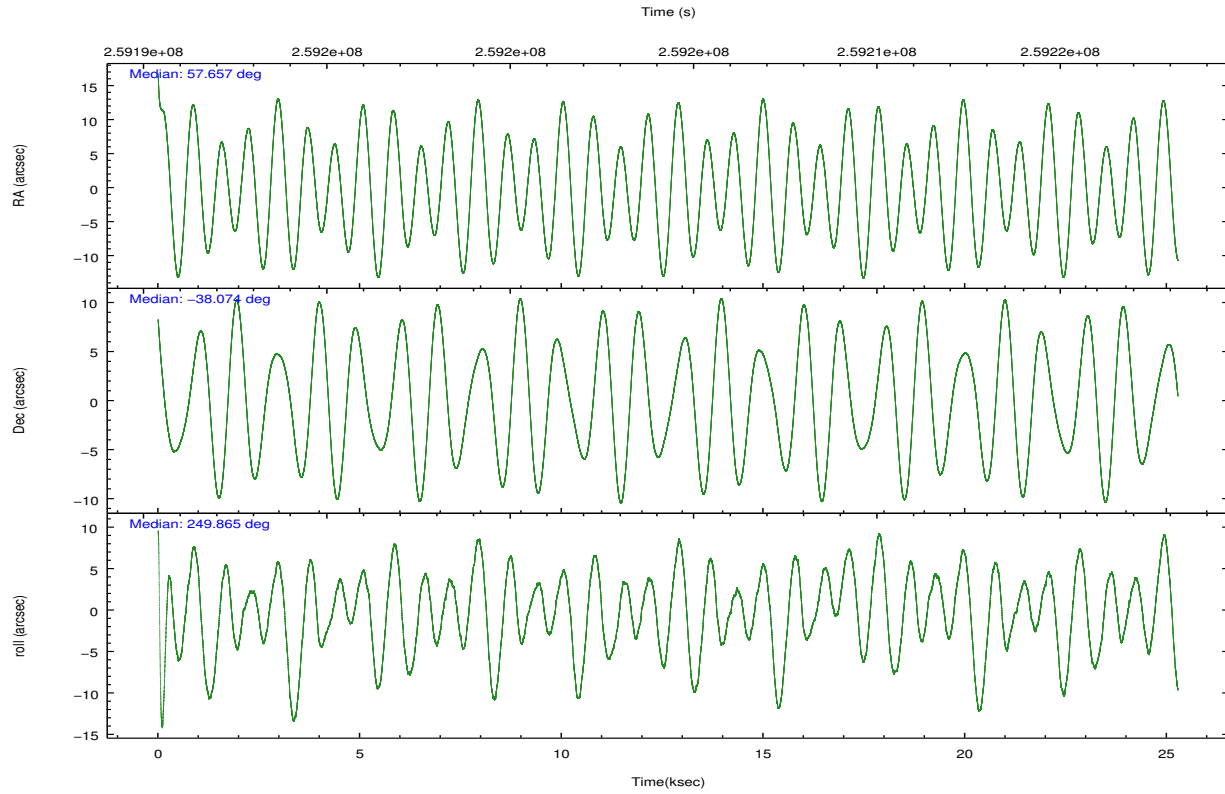
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6594	7756	6491	7208	7184
	3%	4%	3%	3%	4%
grade 1 events	93	114	119	95	78
	0%	0%	0%	0%	0%
grade 2 events	4340	4602	4170	3831	3975
	2%	2%	2%	2%	2%
grade 3 events	2038	2292	1899	1949	2050
	1%	1%	0%	1%	1%
grade 4 events	1966	2253	2014	1915	2095
	1%	1%	1%	1%	1%
grade 5 events	6004	6872	5981	7431	7127
	3%	3%	3%	3%	4%
grade 6 events	3521	4112	3271	3431	3960
	2%	2%	1%	1%	2%
grade 7 events	147779	144765	167228	160516	150162
	85%	83%	87%	86%	85%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	57.650738	57.65685117732018	Subarray requested	NONE	NONE
[deg] Pointing Dec	-38.046932	-38.07389134572327	Alternating exposures requested	N	N
[deg] Pointing Roll	249.661879	249.8743380529924	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	259191952.184000	259190965.92837			
Observation start date	2006-03-19T21:44:47	2006-03-19T21:29:25			
[s] Observation end time (MET)	259216952.184000	259218339.57964			
Observation end date	2006-03-20T04:41:27	2006-03-20T05:05:39			
Read mode	TIMED	TIMED			

## 2.3 Aspect



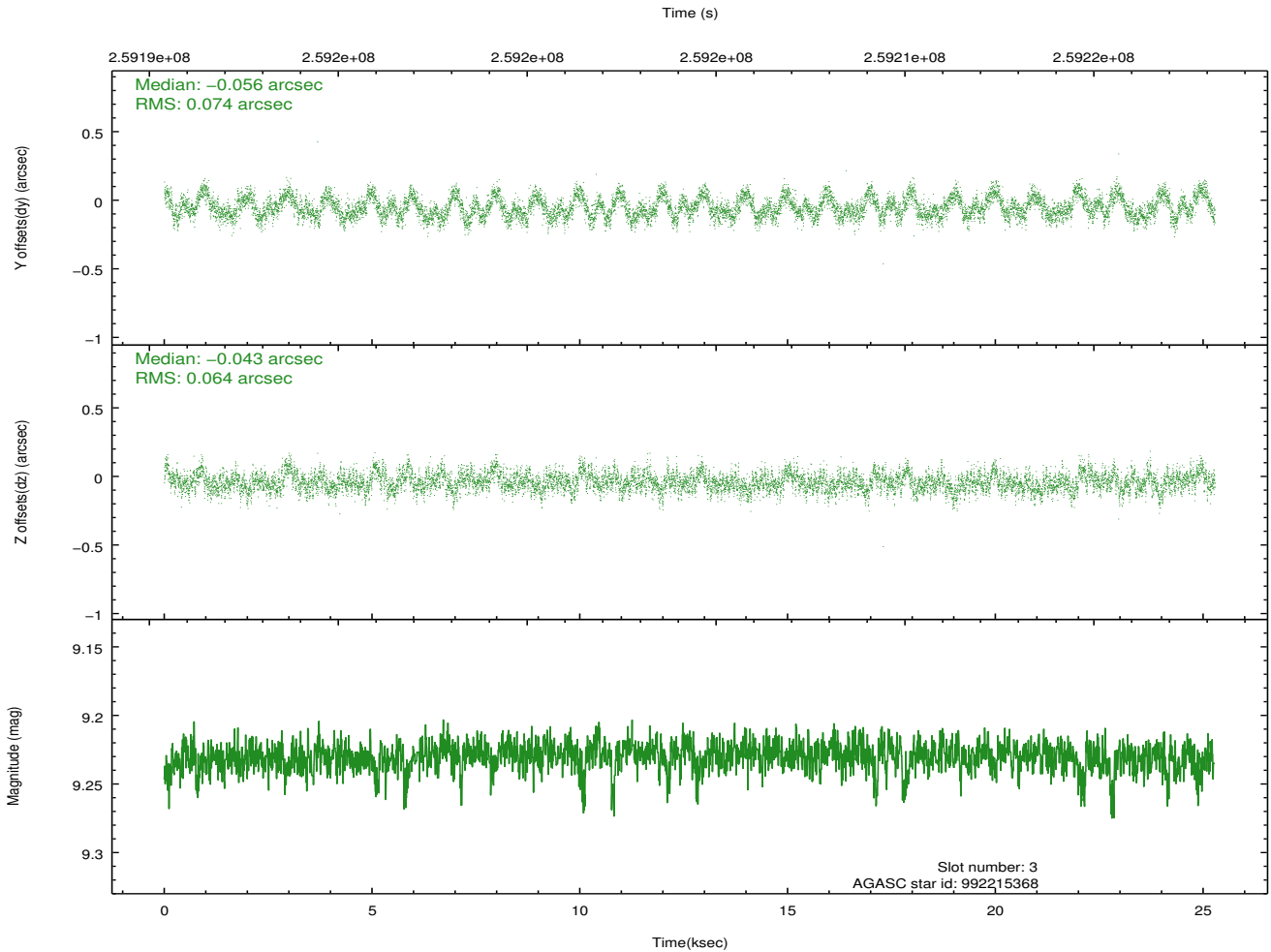
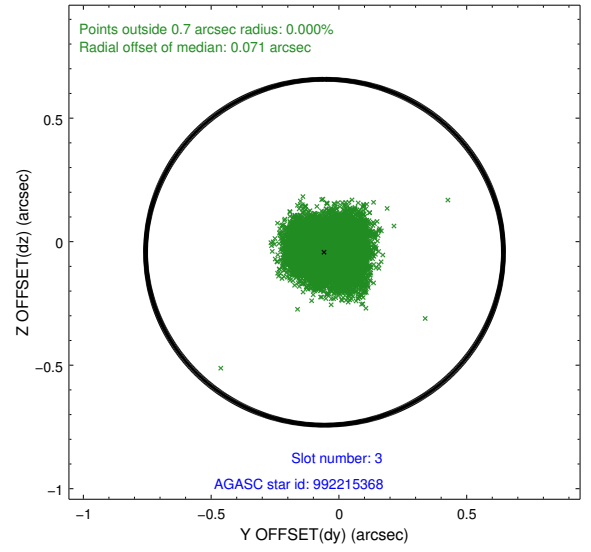
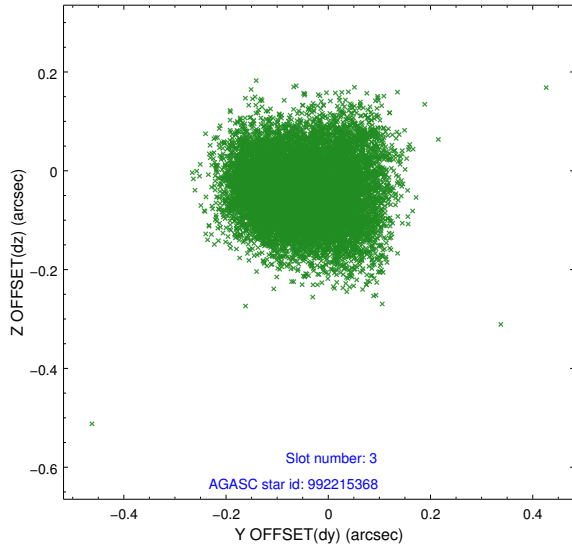


### Slot Statistics

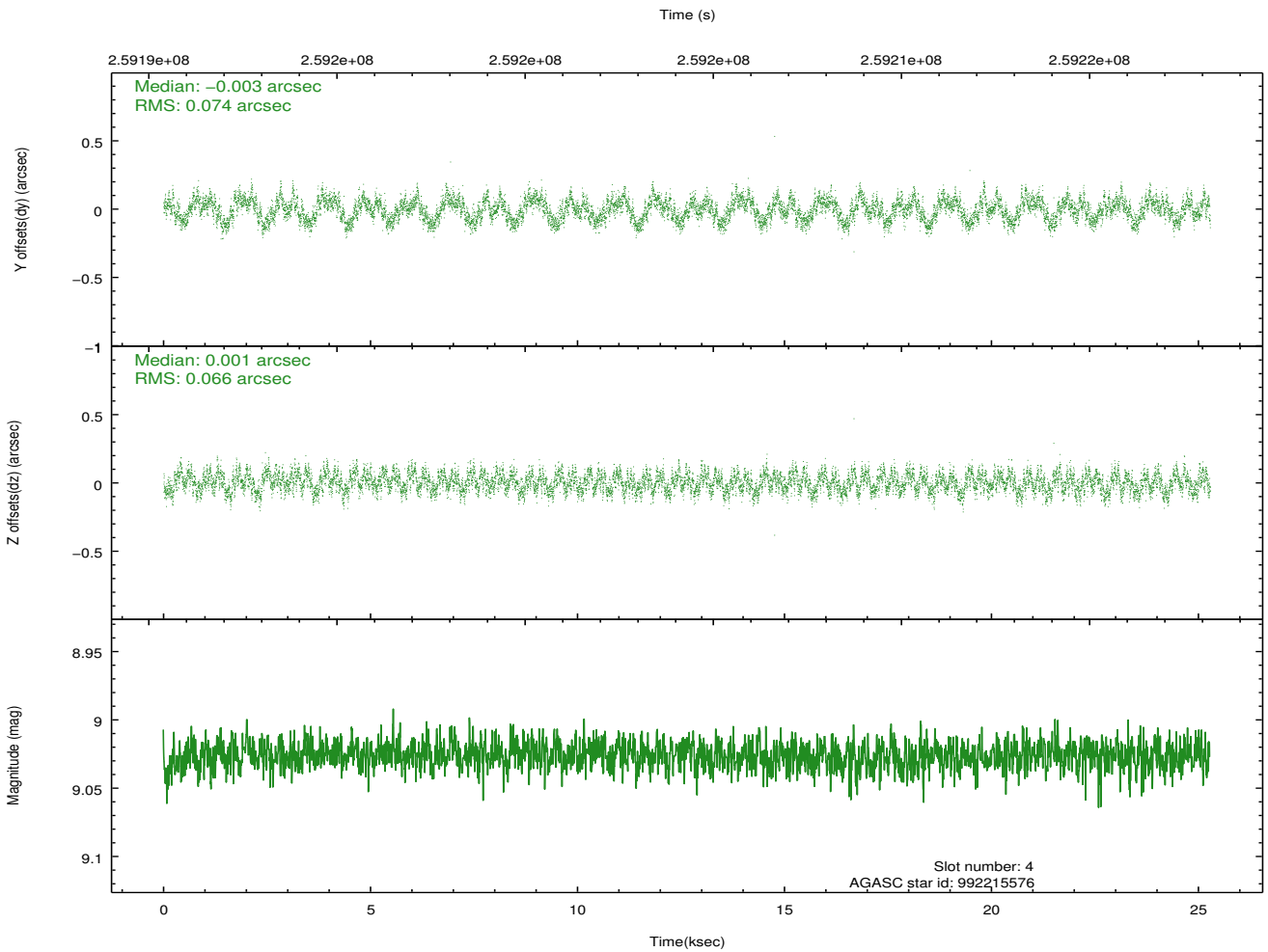
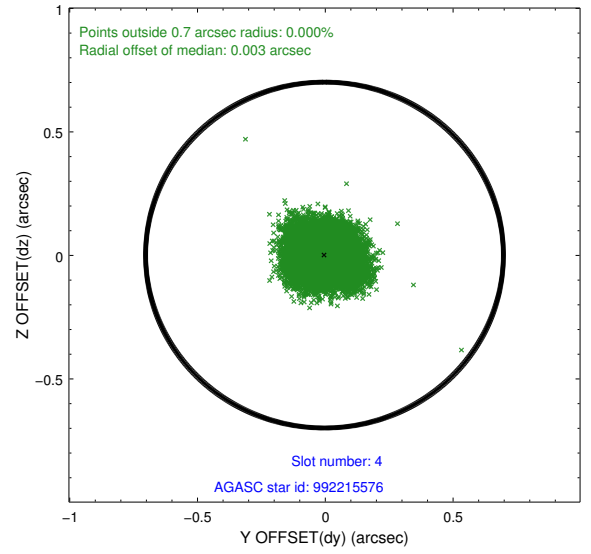
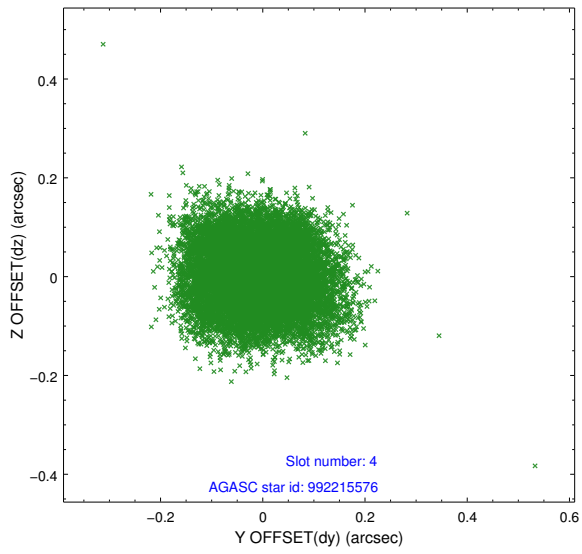
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.14	6166	0.036	0.076	0.012	0.023	0.000000	0.000000	2150.88	905.33
1	FID	ACIS-I-5	7.22	6166	-0.203	0.041	0.008	0.015	0.000000	0.000000	-1816.72	902.12
2	FID	ACIS-I-6	7.25	6166	0.067	-0.048	0.016	0.027	0.000000	0.000000	396.80	1546.38
3	GUIDE	992215368	9.23	12323	-0.056	-0.043	0.104	0.168	57.415861	-37.735351	-818.05	-1016.62
4	GUIDE	992215576	9.03	12323	-0.003	0.001	0.108	0.163	58.263775	-37.940399	-958.27	1501.16
5	GUIDE	992217784	9.38	12319	0.013	0.097	0.157	0.269	57.823215	-38.210063	381.73	662.16
6	GUIDE	992218240	9.32	12308	0.003	-0.011	0.110	0.168	57.689340	-38.610262	1864.15	807.17
7	GUIDE	992220216	10.13	12312	0.051	-0.044	0.225	0.360	57.210239	-38.202108	960.62	-973.03

## 2.4 Star Slots

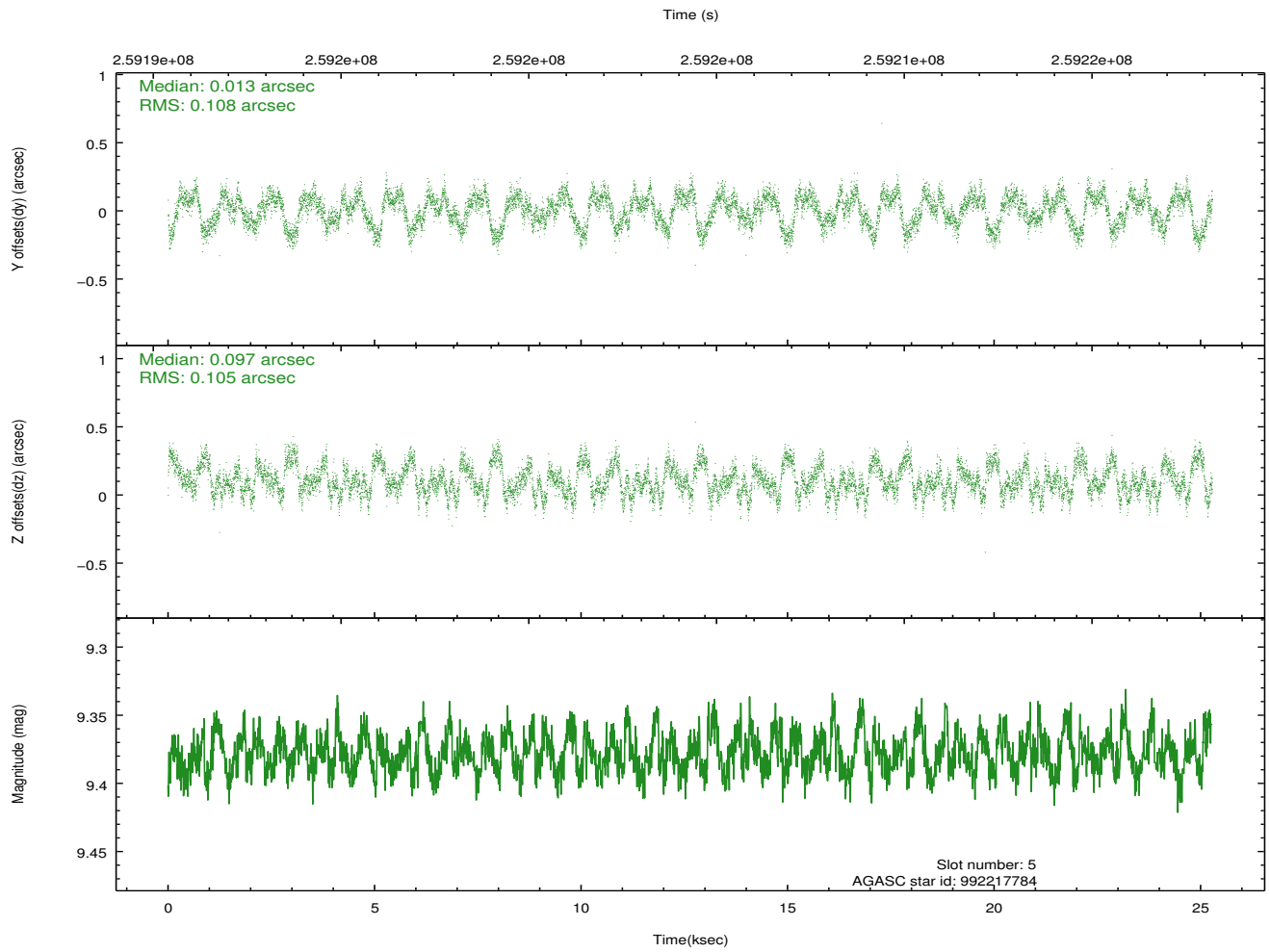
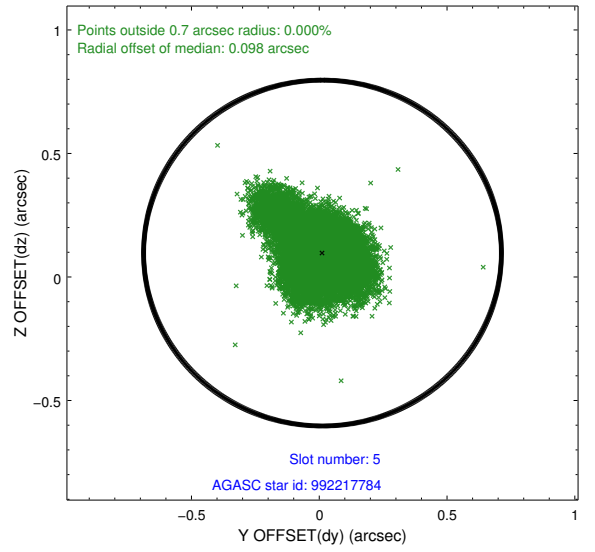
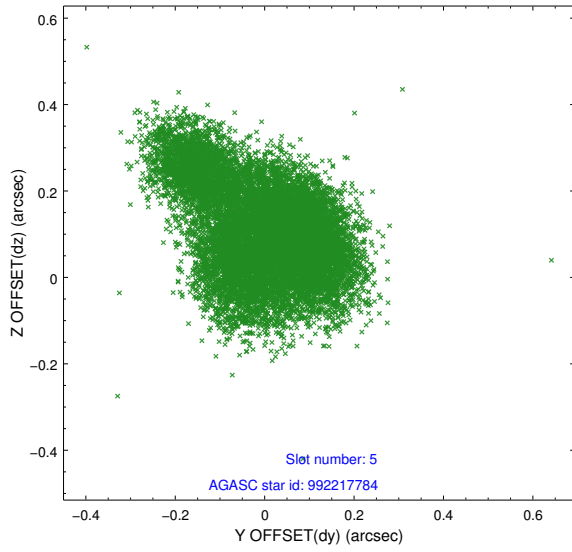
### 2.4.1 Slot 3



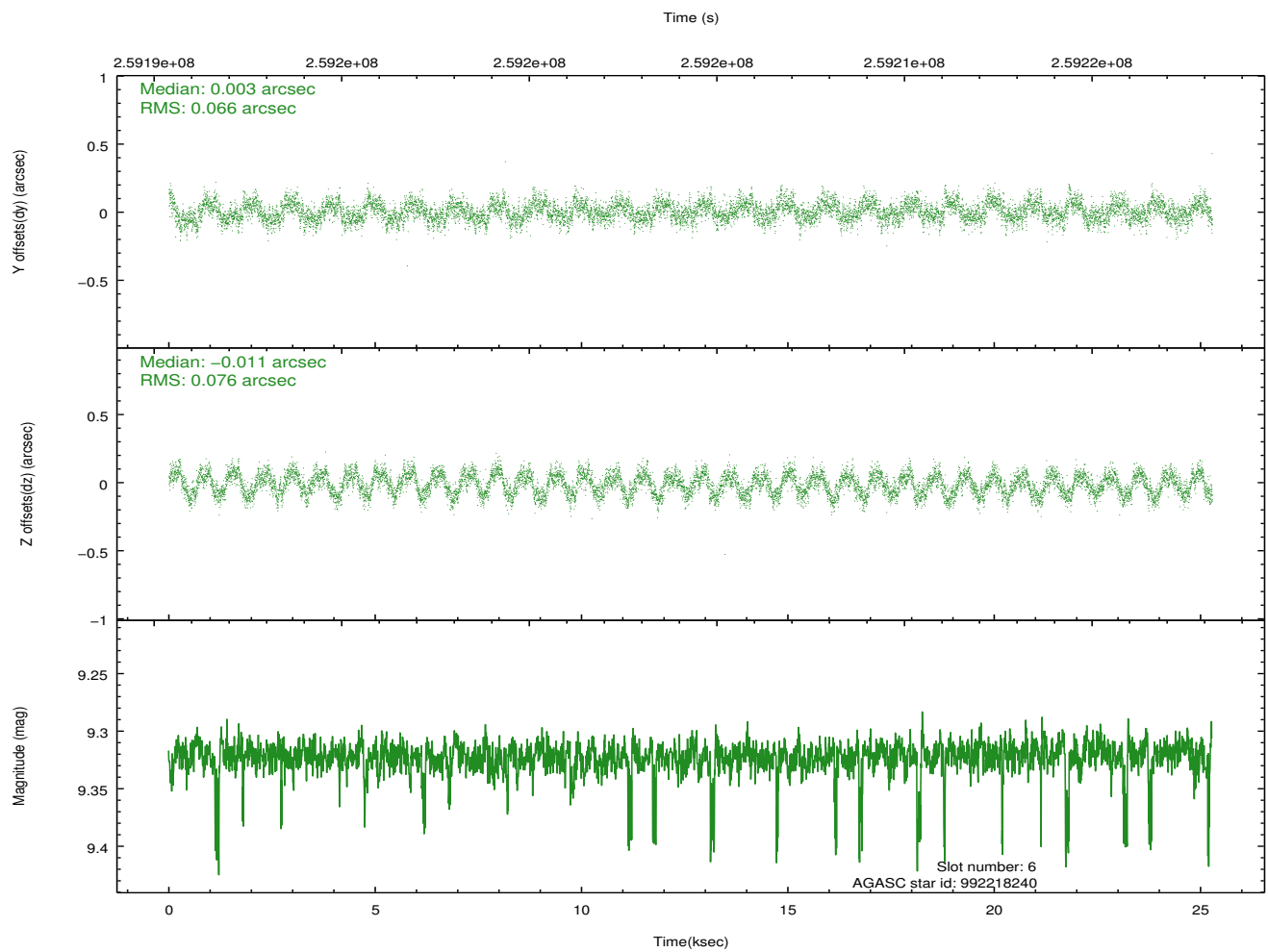
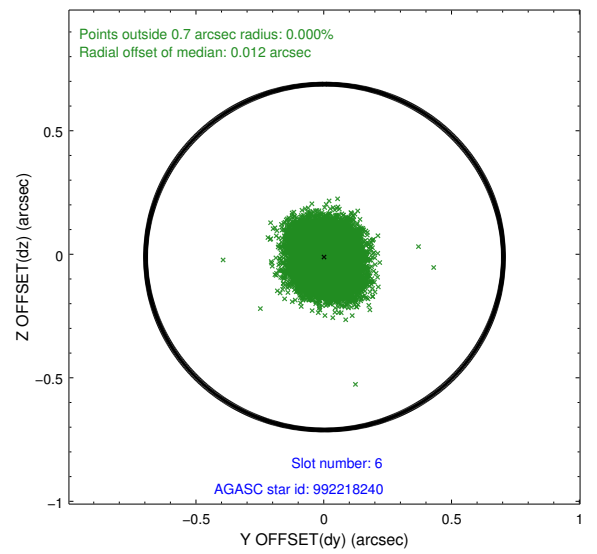
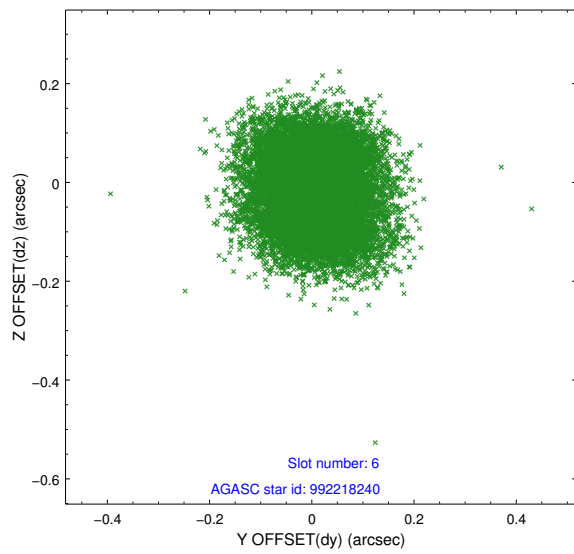
### 2.4.2 Slot 4



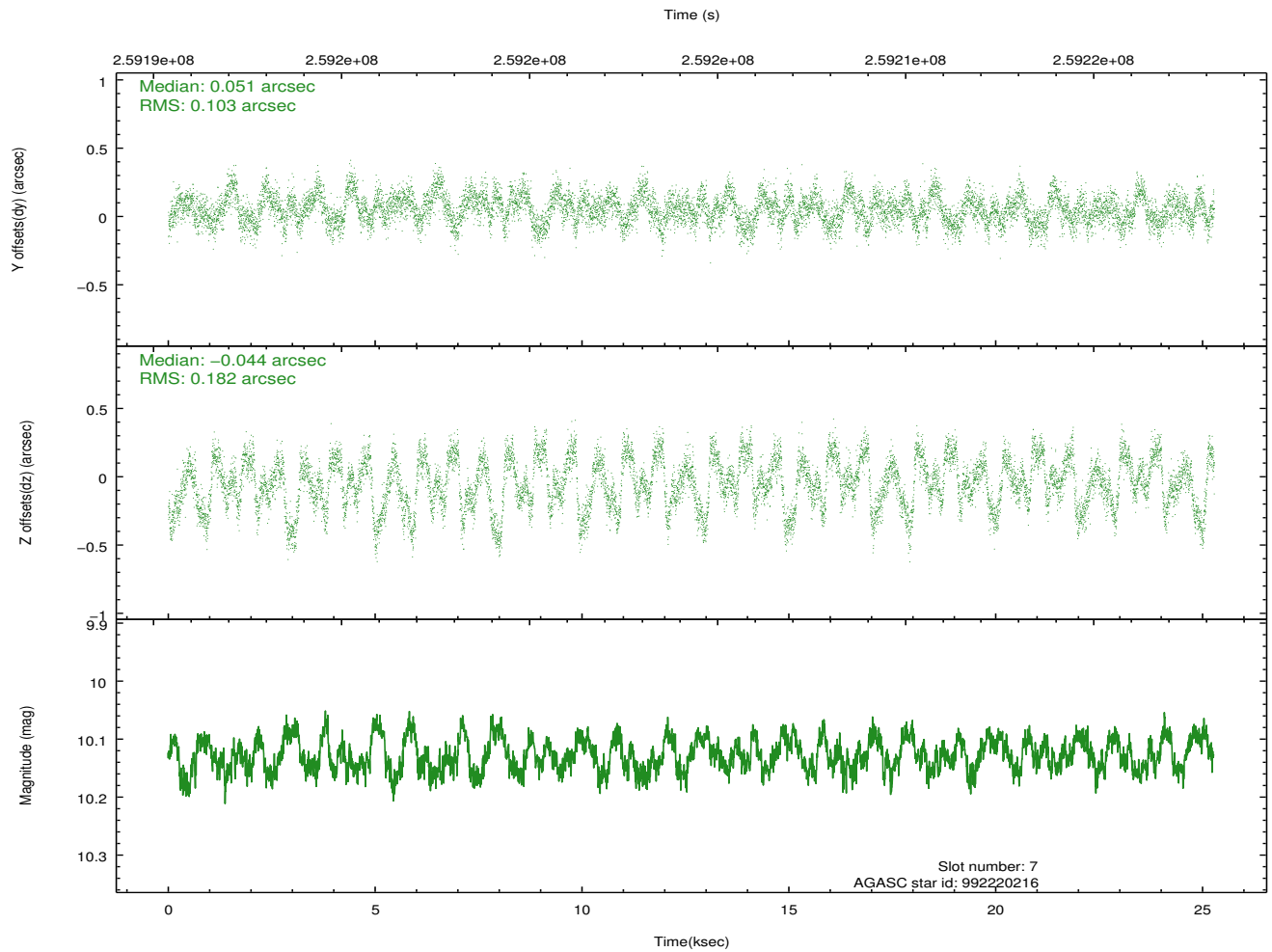
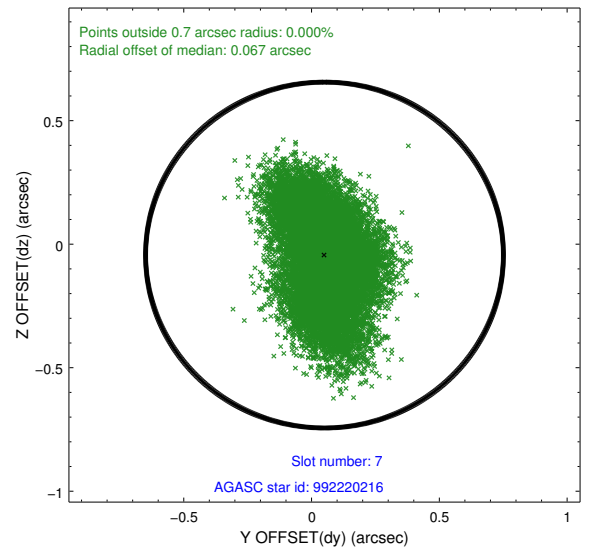
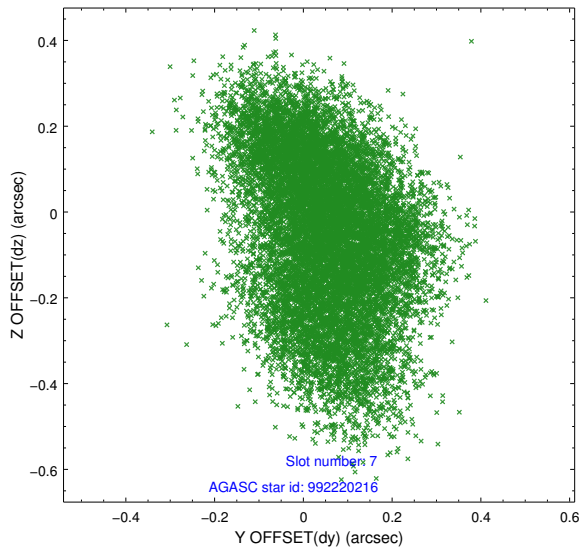
### 2.4.3 Slot 5



## 2.4.4 Slot 6

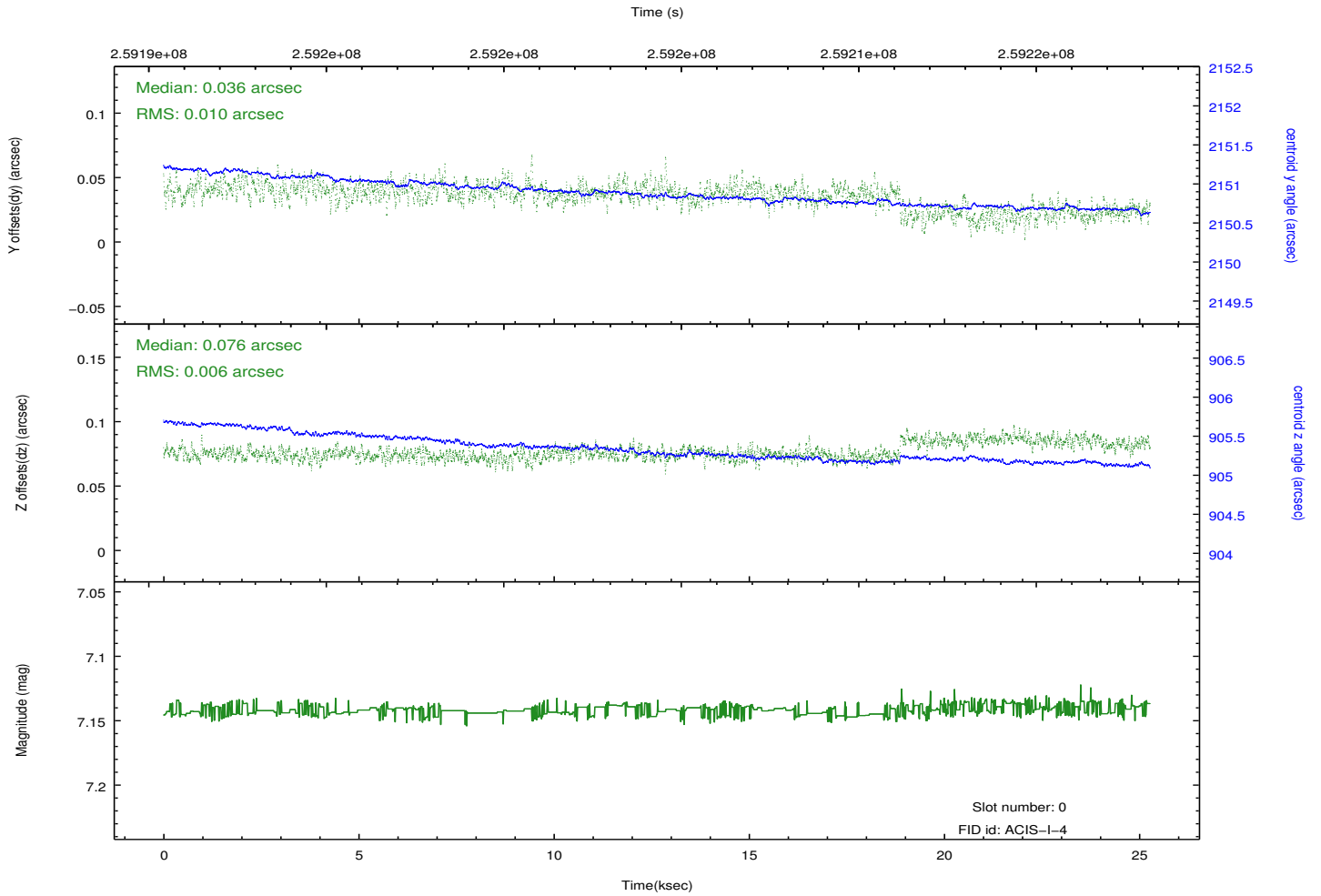
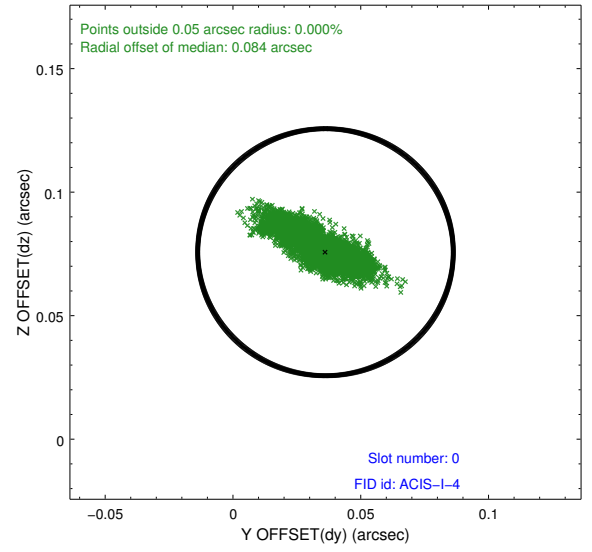
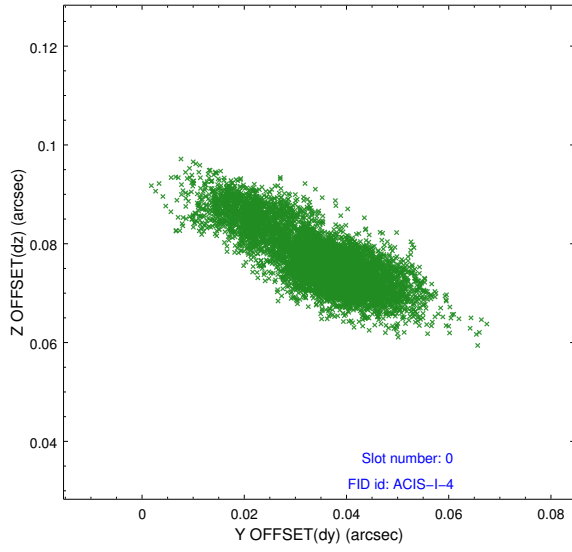


### 2.4.5 Slot 7

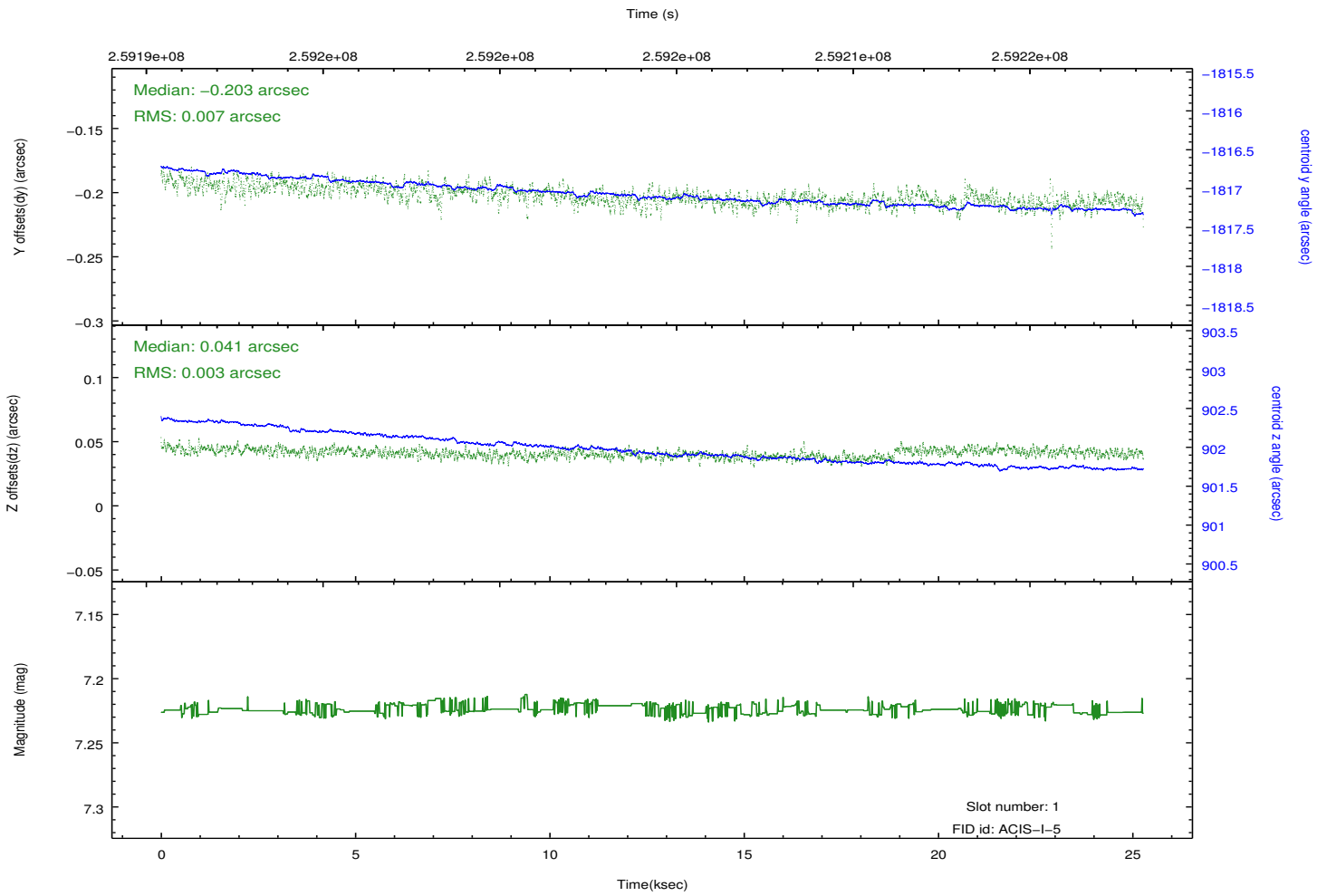
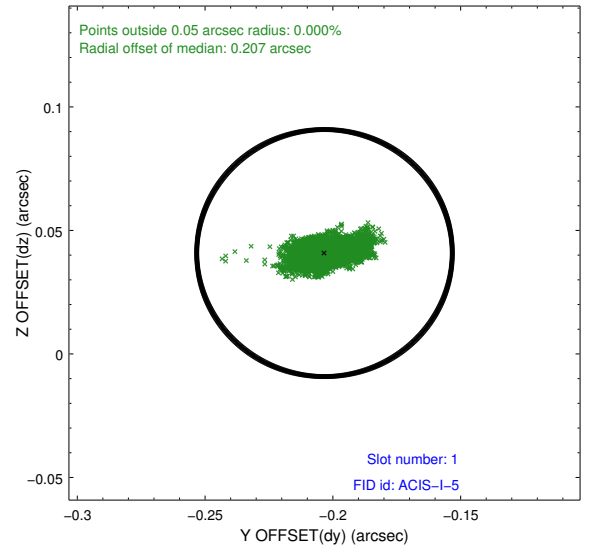
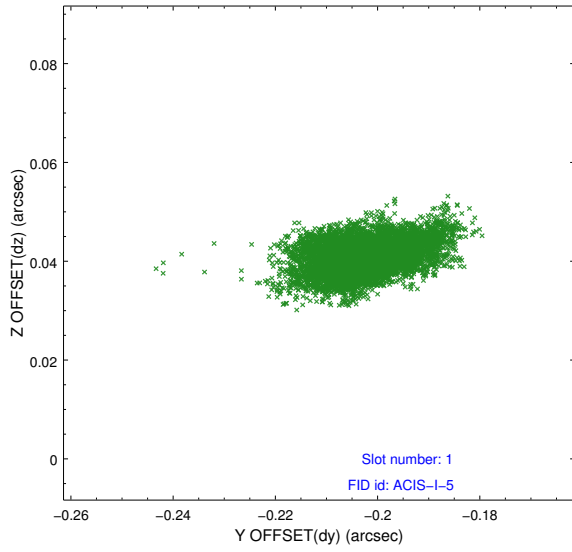


## 2.5 FID Slots

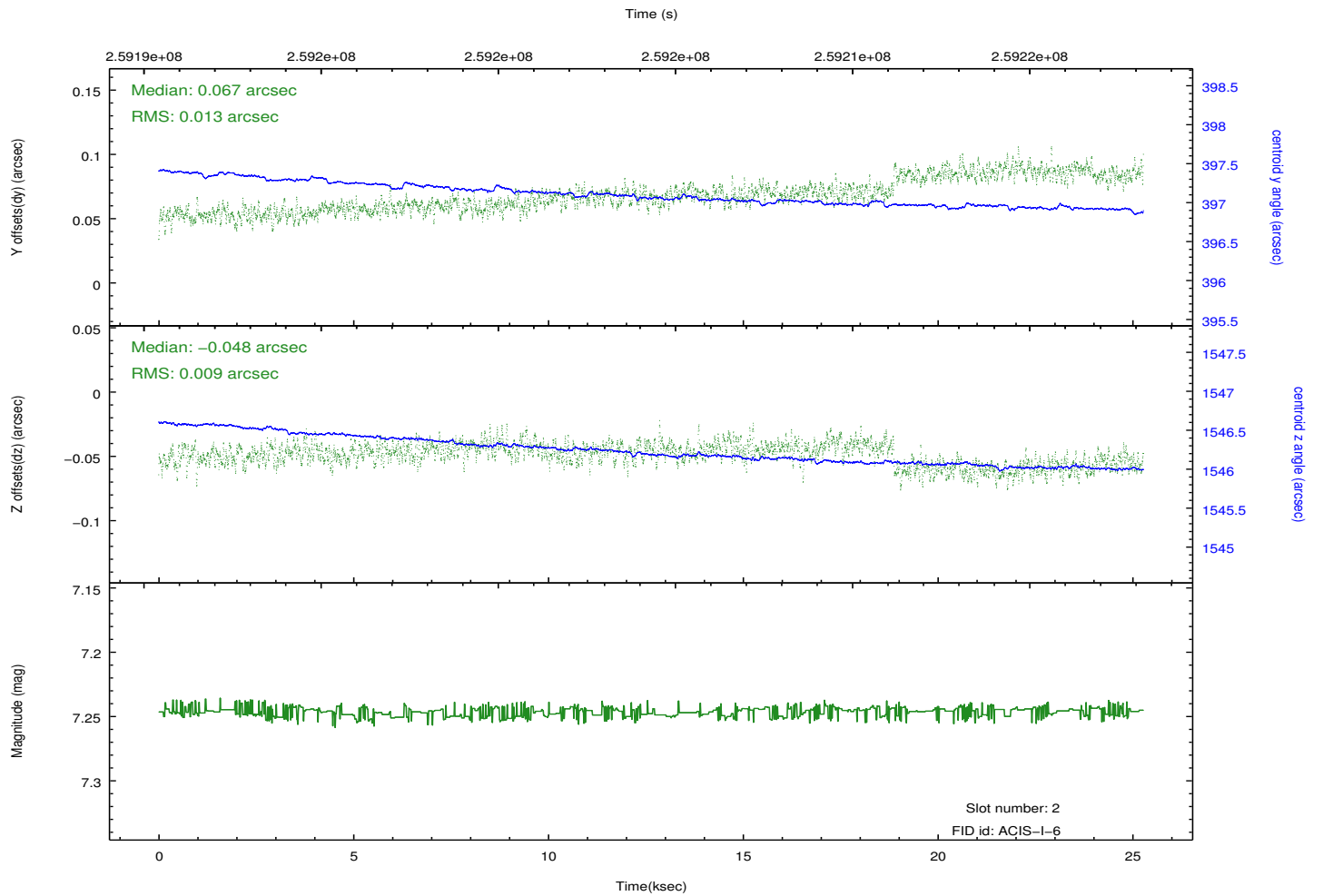
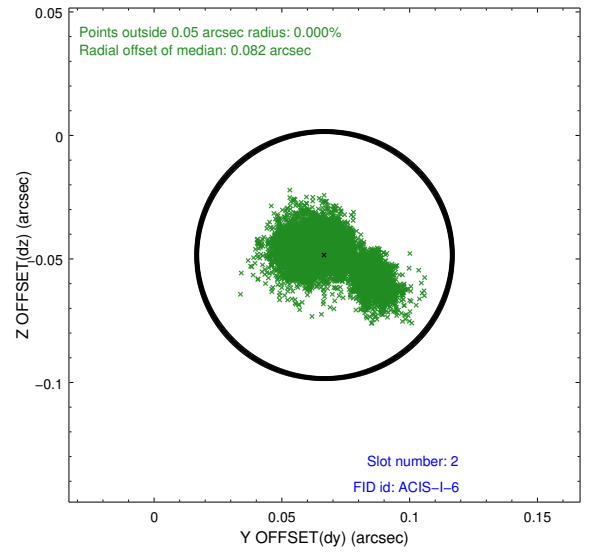
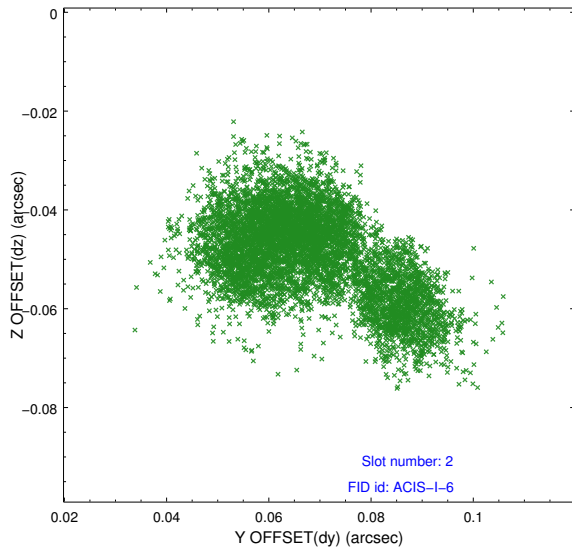
### 2.5.1 Slot 0



## 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)	2012.03.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.0479999

## A.2 Comments