

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7047 - L2 Version 3  
Chandra X-Ray Center

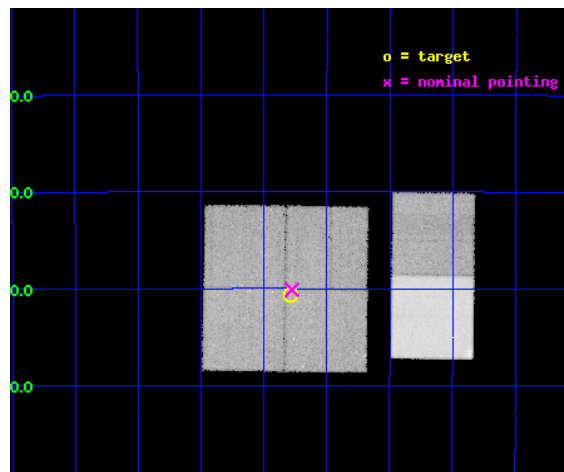
L2 Processing Date : Apr 20 2012

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# 1 Front

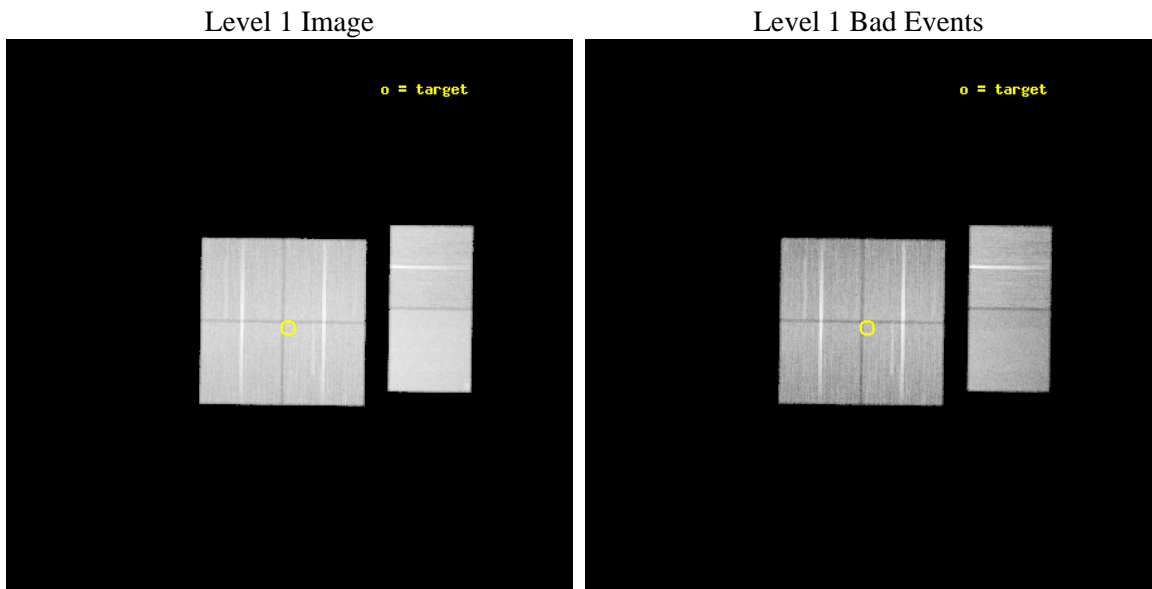
seq_num	900463	Sequence number
obs_id	7047	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 26	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.3225	Observer's specified target RA [deg]
dec_targ	-28.676611	Observer's specified target Dec [deg]
ra_nom	266.31963909585	Nominal RA [deg]
dec_nom	-28.668936823896	Nominal Dec [deg]
roll_nom	90.792178923213	Nominal Roll [deg]
revision	3	Processing version of data
ontime	37135.999861717	Sum of GTIs [s]
livetime	36665.761470854	Livetime [s]
ontime0	37135.999861717	Sum of GTIs [s]
ontime1	37135.999861717	Sum of GTIs [s]
ontime2	37132.758901417	Sum of GTIs [s]
ontime3	37135.999861717	Sum of GTIs [s]
ontime6	37135.999861717	Sum of GTIs [s]
ontime7	37135.999861717	Sum of GTIs [s]
l2events	422511	Number of level 2 events



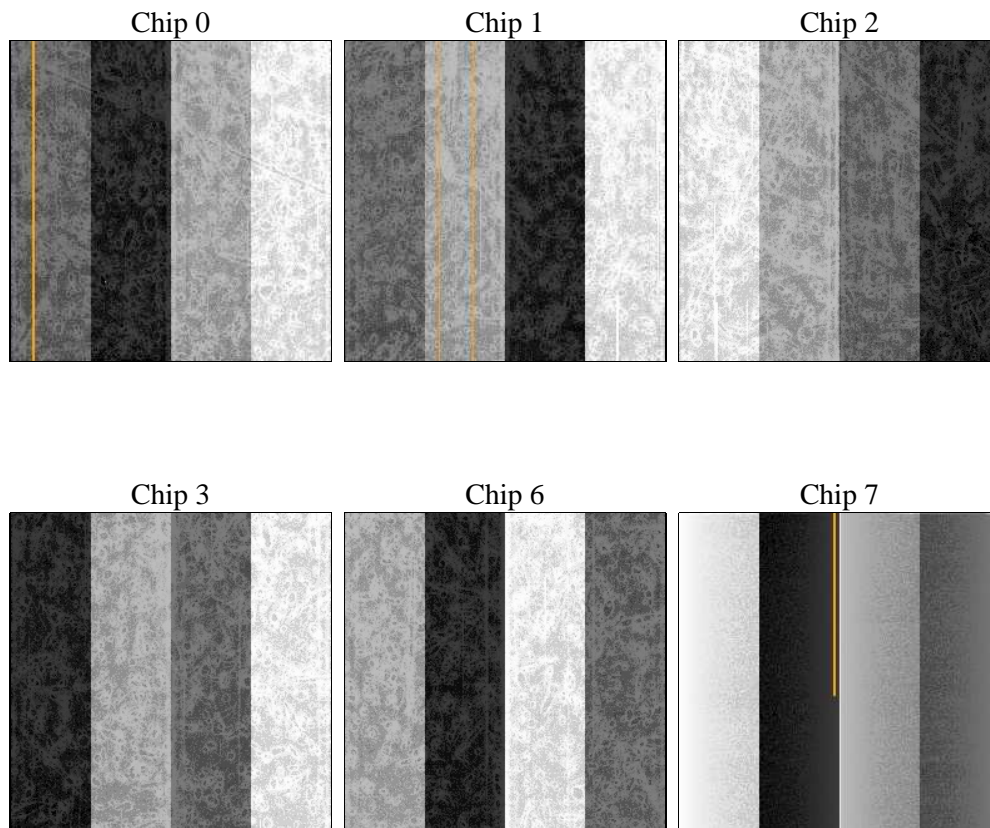
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	37135.999861717	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	37135.999861717	Sum of GTIs [s]
date	2012-04-20T15:29:07	Date and time of file creation	ontime1	37135.999861717	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	37132.758901417	Sum of GTIs [s]
			ontime3	37135.999861717	Sum of GTIs [s]
			ontime6	37135.999861717	Sum of GTIs [s]
			ontime7	37135.999861717	Sum of GTIs [s]
			l1events	2230784	Number of level 1 events

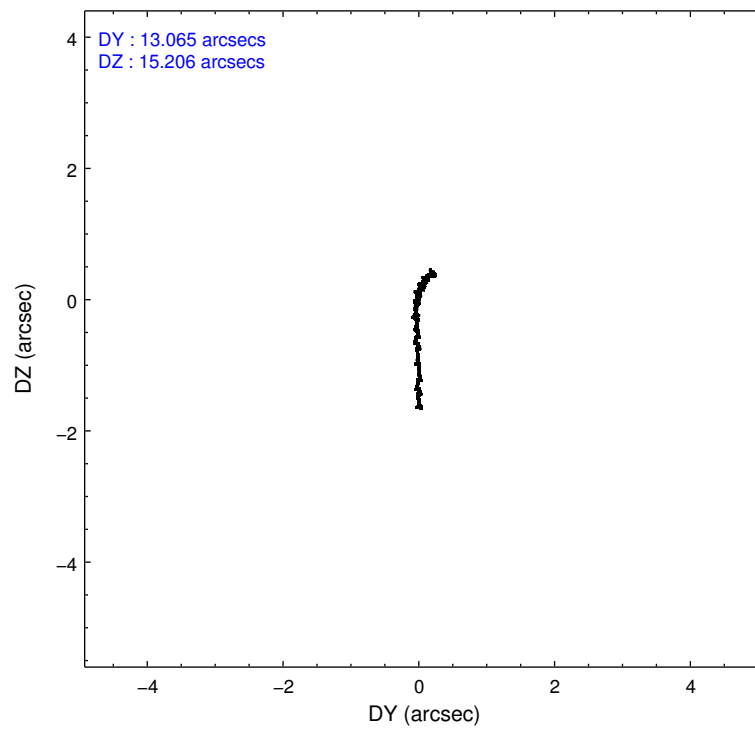
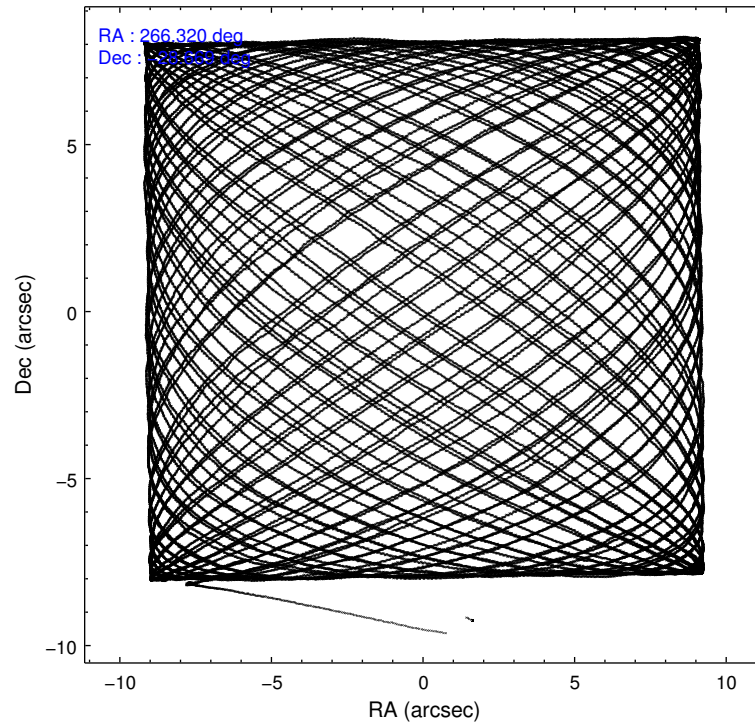
### 2.1.4 Events

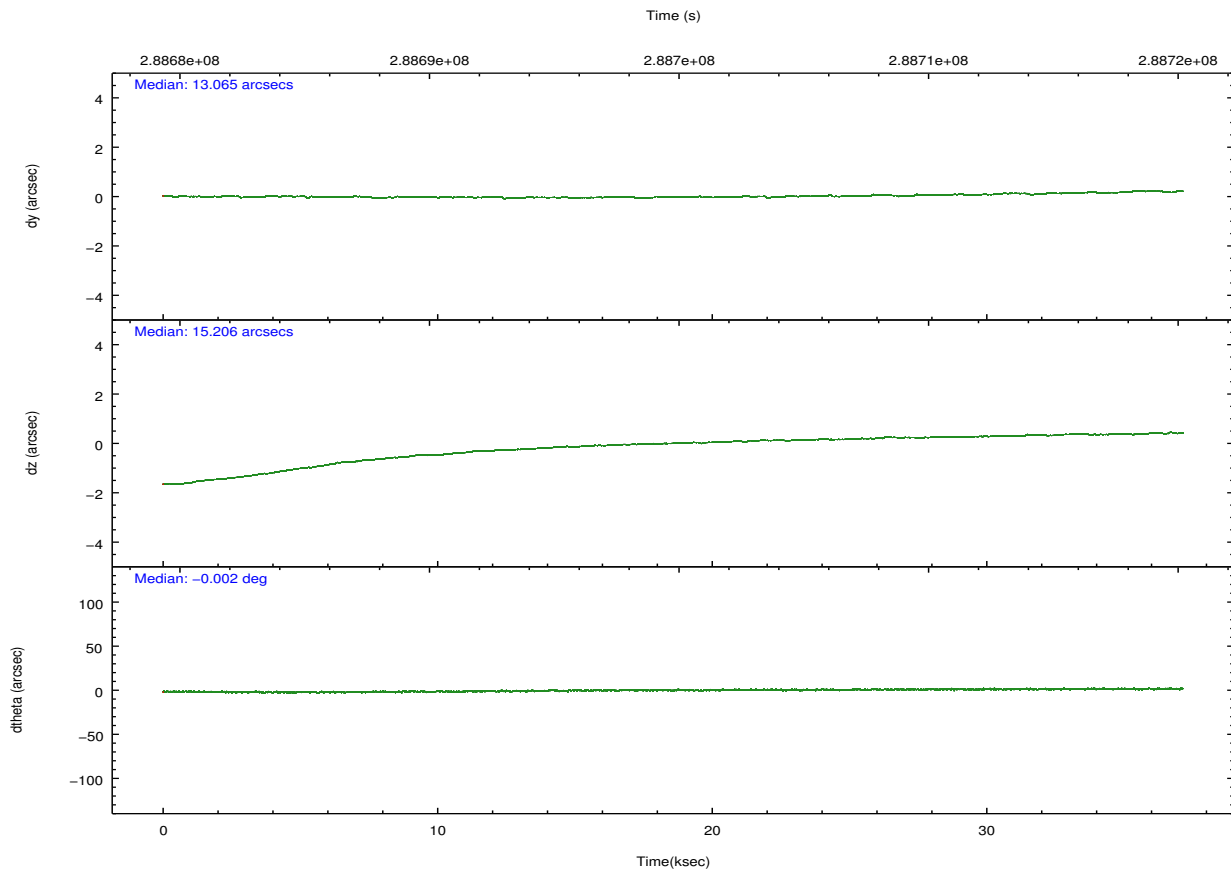
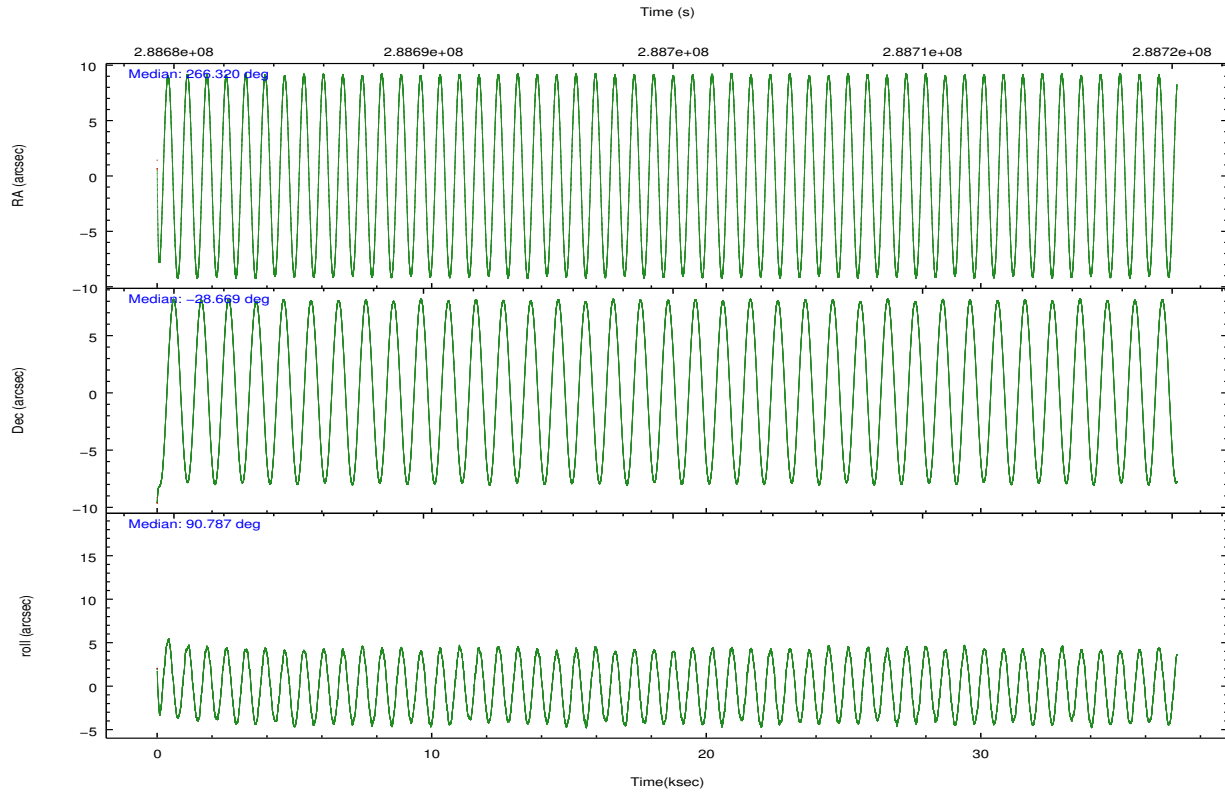
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	329957	339130	357886	353576	367037	483198	grade 0 events	23727	27616	23994	24729	20419	18301
rejected events	279796	280226	309546	303356	320038	279013		7%	8%	6%	6%	5%	3%
rejected %	84%	82%	86%	85%	87%	57%	grade 1 events	251	225	253	271	205	498
								0%	0%	0%	0%	0%	0%
							grade 2 events	10384	12257	9377	9211	9856	42028
								3%	3%	2%	2%	2%	8%
							grade 3 events	4350	4896	4059	4300	4207	17881
								1%	1%	1%	1%	1%	3%
							grade 4 events	4142	4819	4076	4307	4076	17757
								1%	1%	1%	1%	1%	3%
							grade 5 events	14163	15185	13570	15847	16579	45265
								4%	4%	3%	4%	4%	9%
							grade 6 events	7862	9664	7143	7992	8787	109490
								2%	2%	1%	2%	2%	22%
							grade 7 events	265078	264468	295414	286919	302908	231978
								80%	77%	82%	81%	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	266.335798	266.3196390958515	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.692499	-28.66893682389559	Alternating exposures requested	N	N
[deg] Pointing Roll	90.591244	90.79217892321256	[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)	288681328.184000	288680160.42725			
Observation start date	2007-02-24T05:14:23	2007-02-24T04:56:00			
[s] Observation end time (MET)	288718328.184000	288719163.21661			
Observation end date	2007-02-24T15:31:03	2007-02-24T15:46:03			
Read mode	TIMED	TIMED			

## 2.3 Aspect



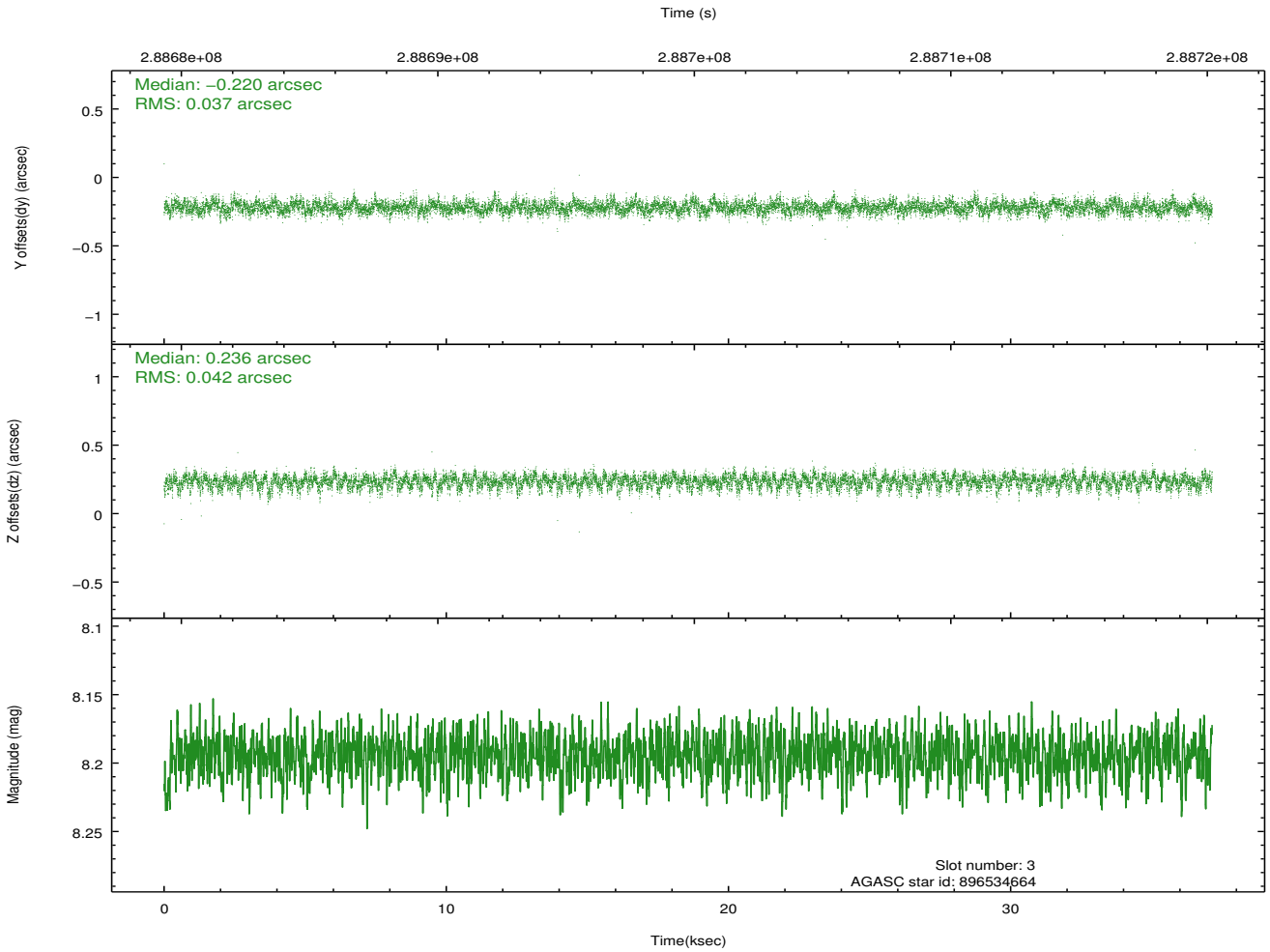
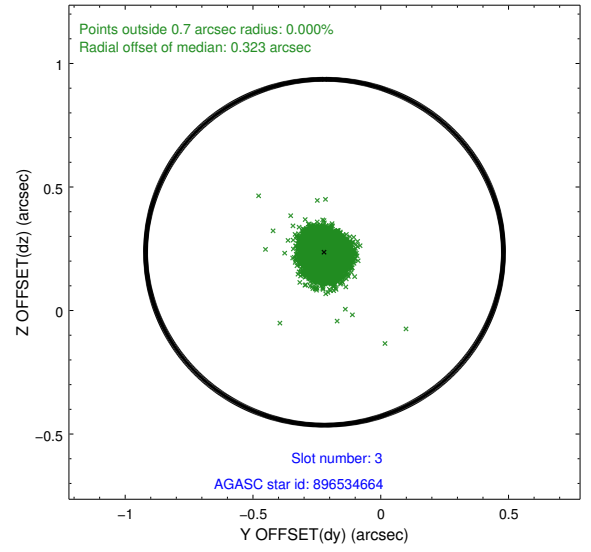
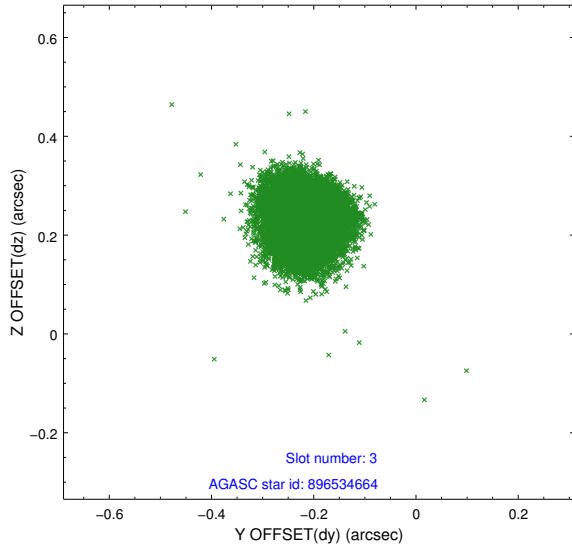


### Slot Statistics

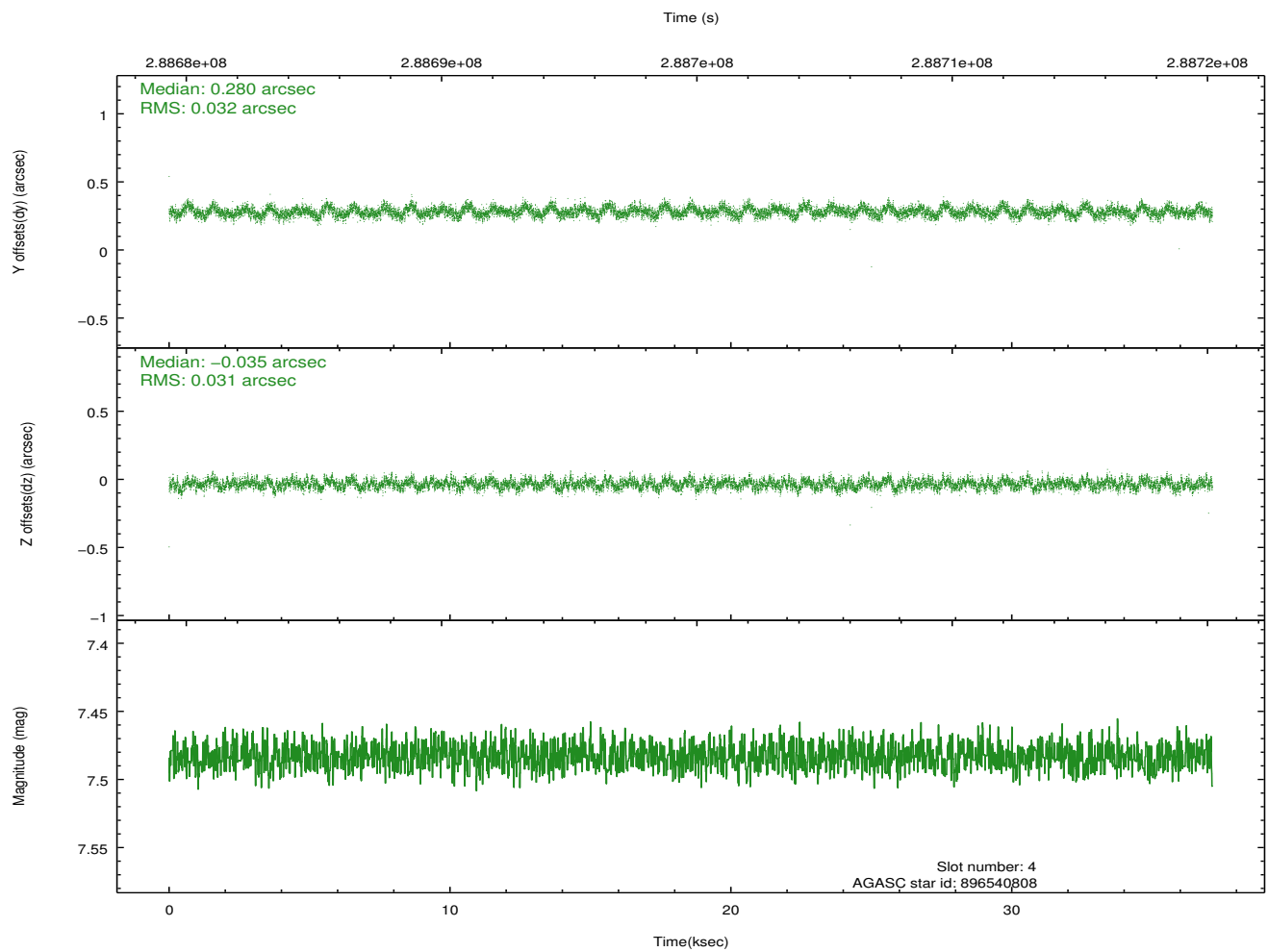
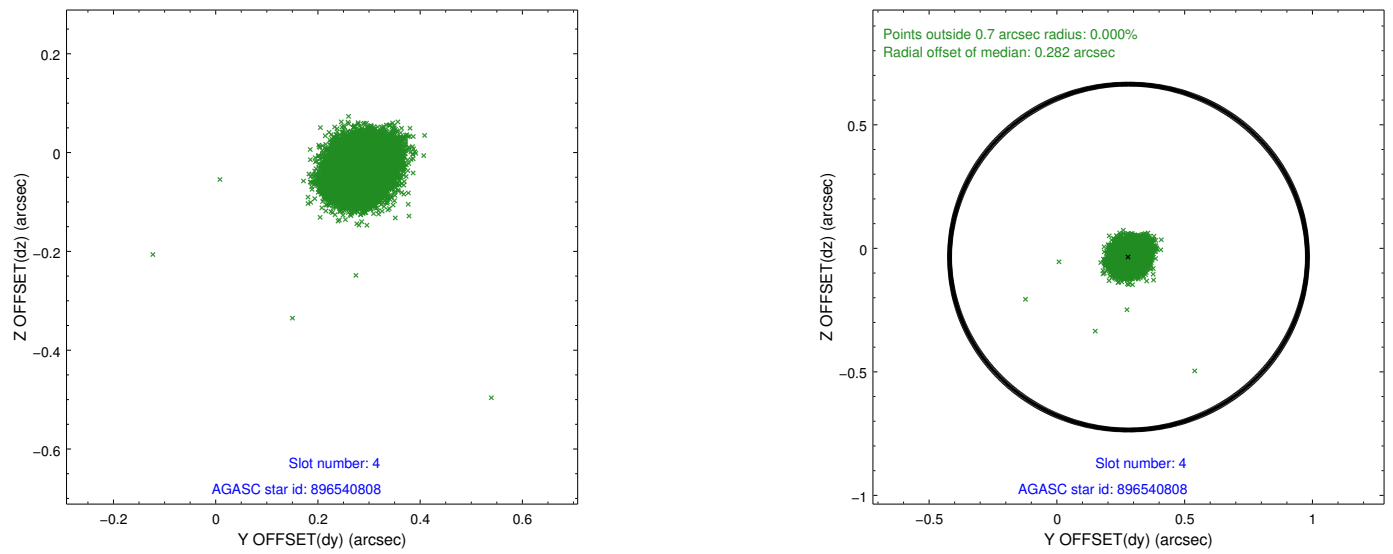
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	9060	0.045	-0.036	0.025	0.050	0.000000	0.000000	926.46	-838.64
1	FID	ACIS-I-5	7.22	9059	-0.214	0.045	0.009	0.015	0.000000	0.000000	-1821.88	1058.92
2	FID	ACIS-I-6	7.24	9060	0.077	0.062	0.016	0.049	0.000000	0.000000	392.02	1703.46
3	GUIDE	896534664	8.19	18112	-0.220	0.236	0.059	0.096	266.405570	-28.407461	1023.60	-231.13
4	GUIDE	896540808	7.48	18118	0.280	-0.035	0.047	0.075	265.985401	-29.308604	-2207.85	1122.68
5	GUIDE	896402272	7.62	18116	-0.104	-0.296	0.100	0.143	265.637294	-28.313189	1381.52	2199.63
6	GUIDE	896404568	7.85	18048	-0.113	-0.280	0.064	0.104	265.687293	-28.431080	956.58	2043.28
7	GUIDE	896541576	8.19	18109	0.161	0.381	0.058	0.091	267.051055	-28.762912	-283.07	-2253.88

## 2.4 Star Slots

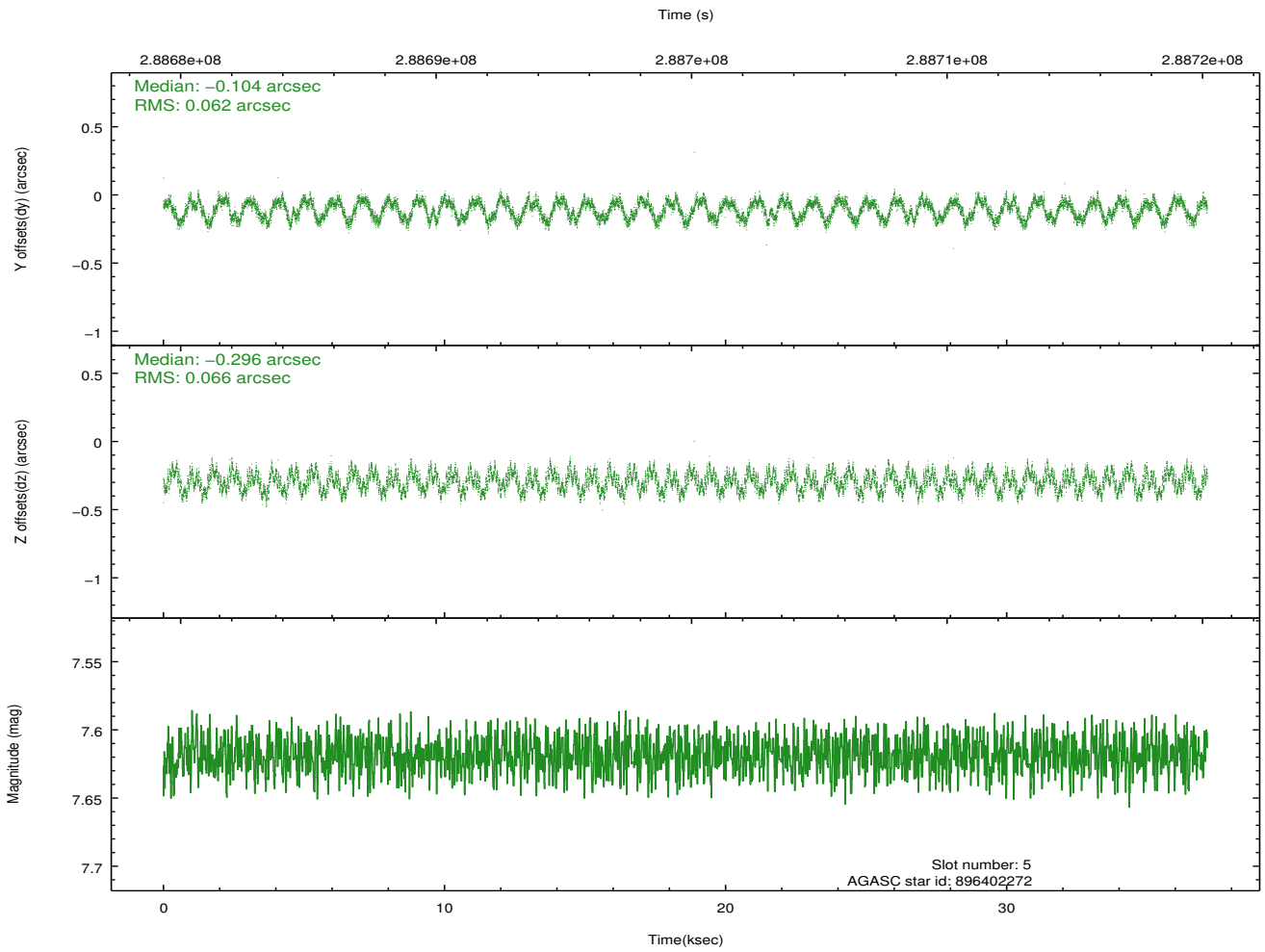
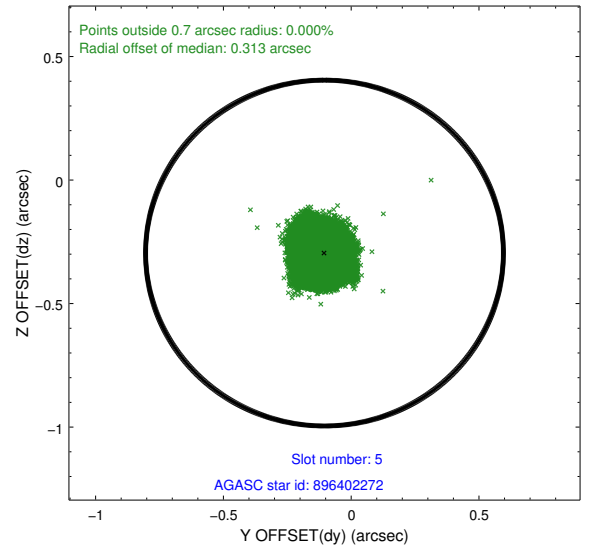
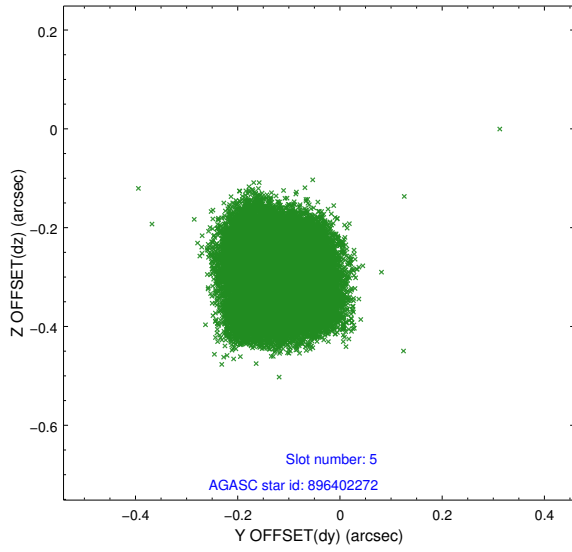
### 2.4.1 Slot 3



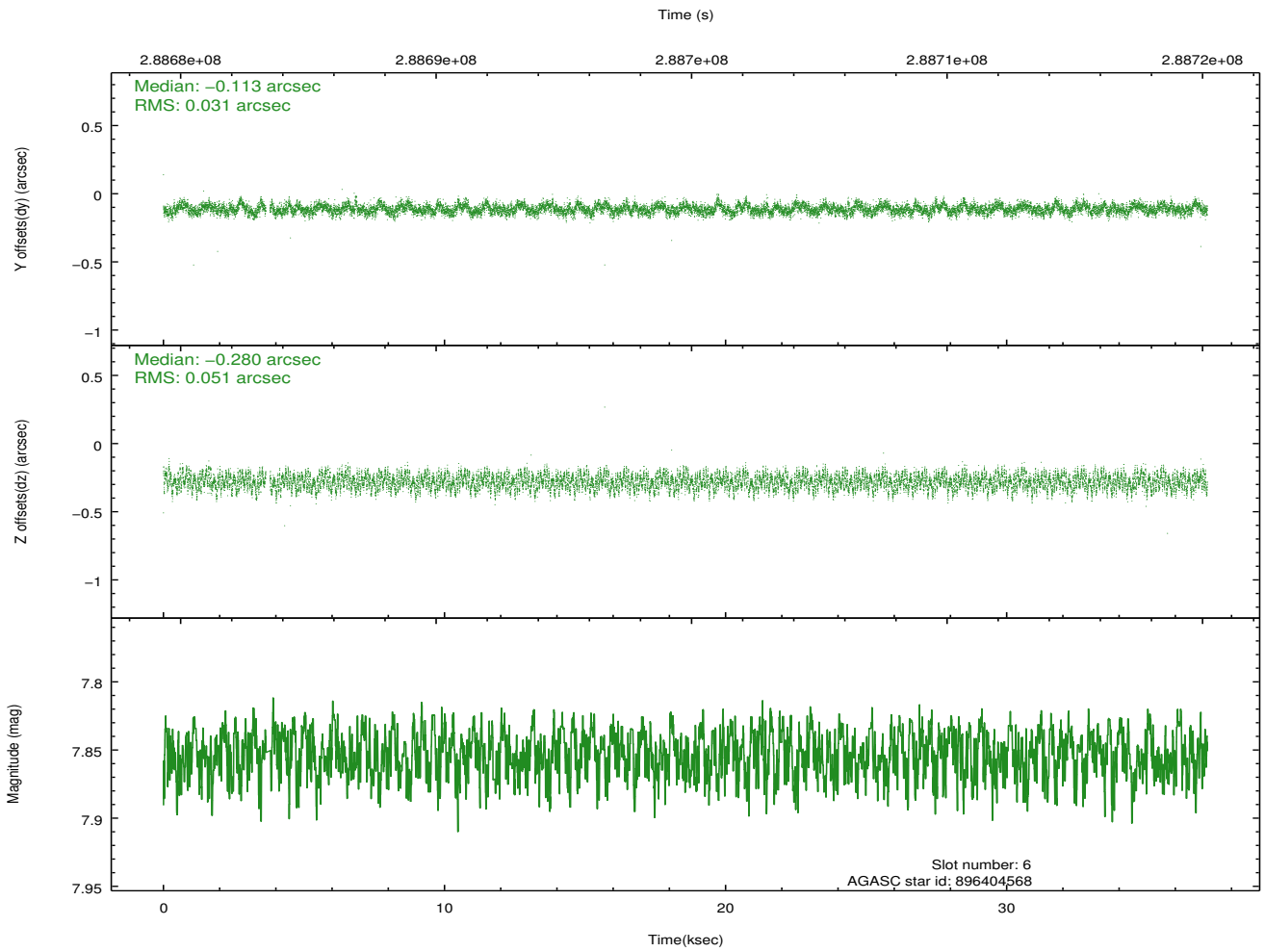
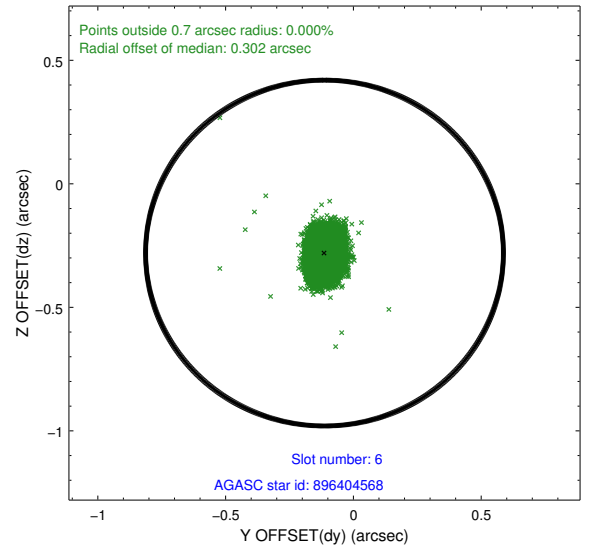
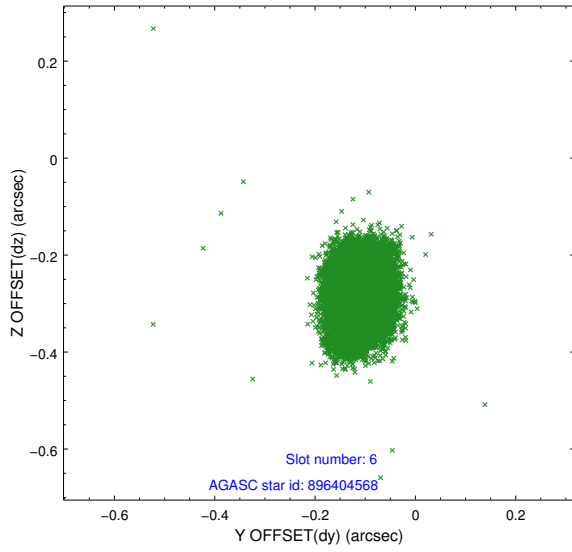
## 2.4.2 Slot 4



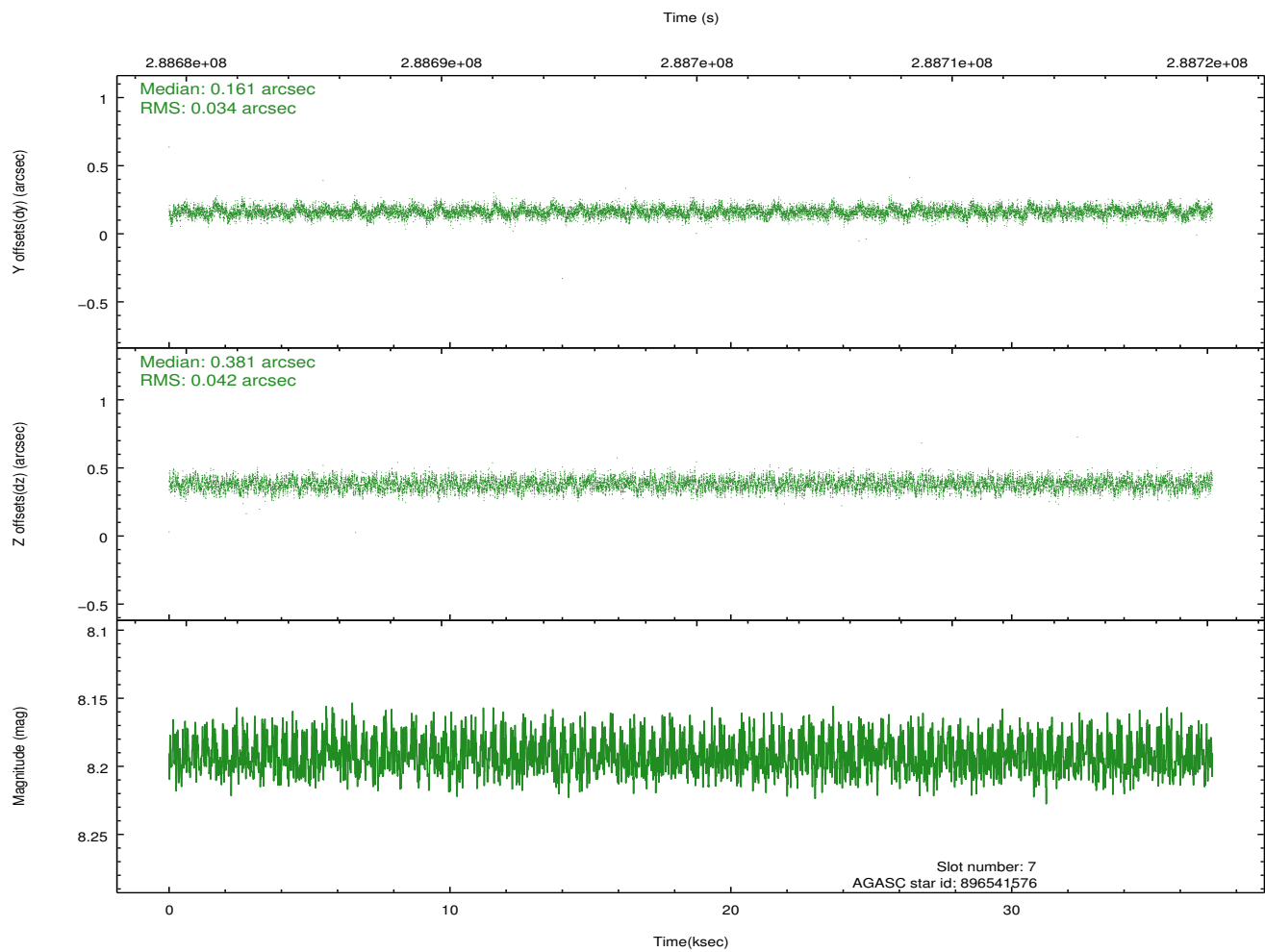
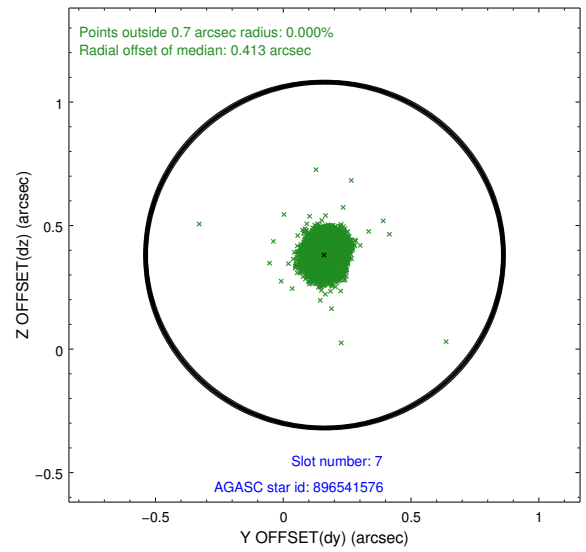
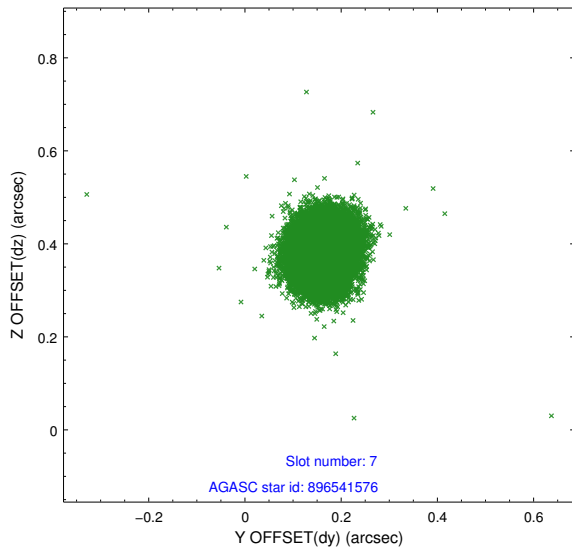
### 2.4.3 Slot 5



### 2.4.4 Slot 6

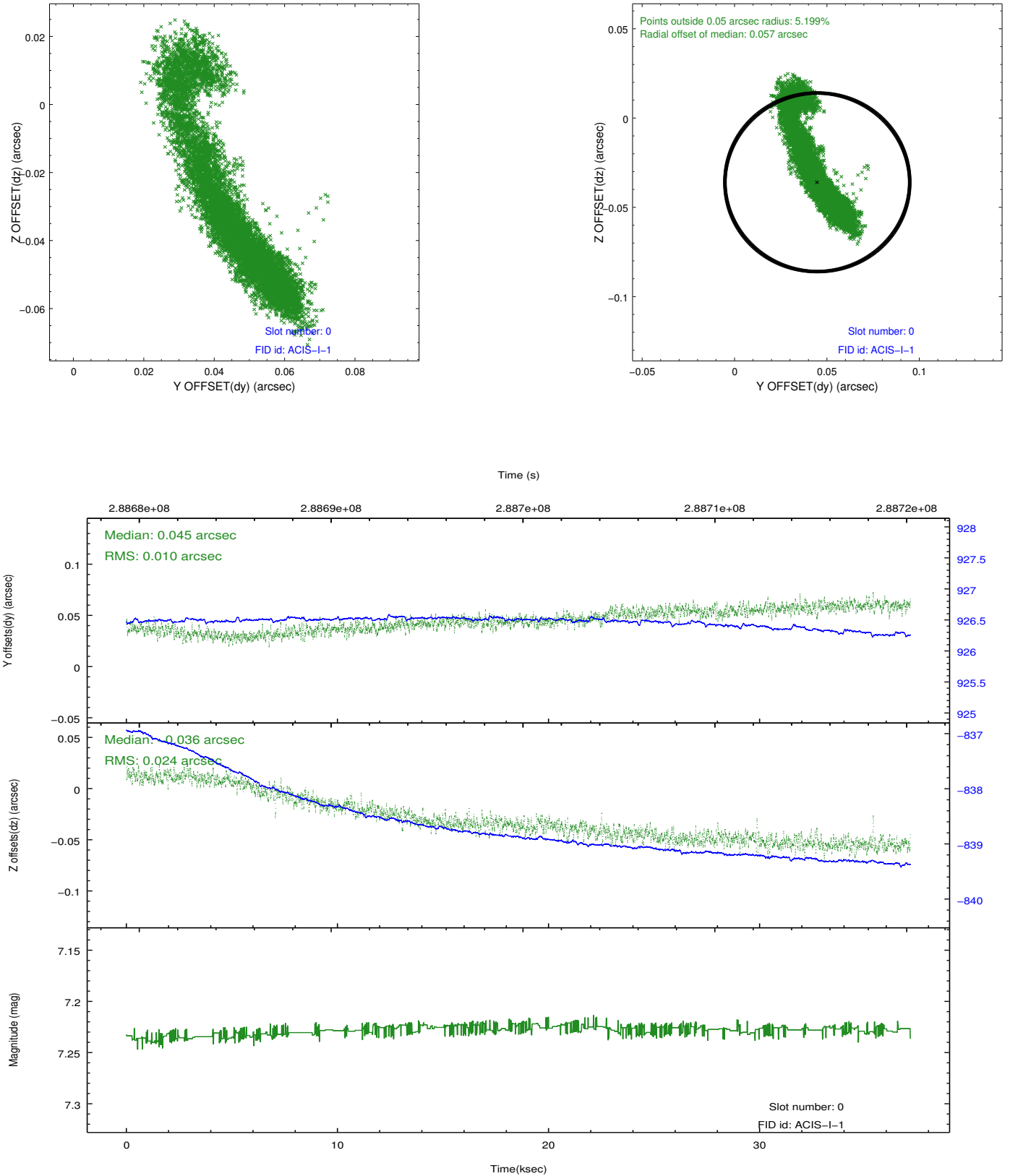


## 2.4.5 Slot 7

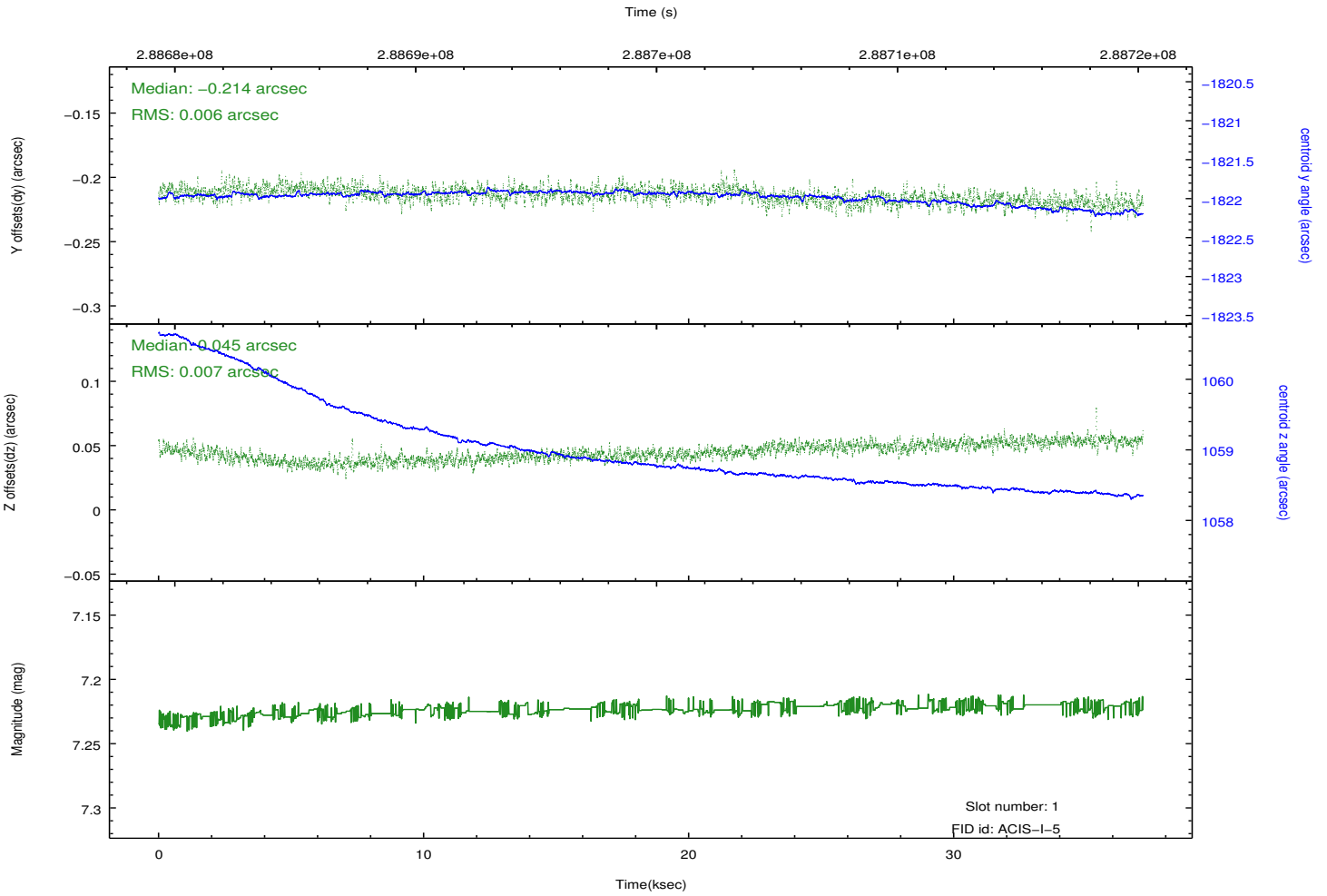
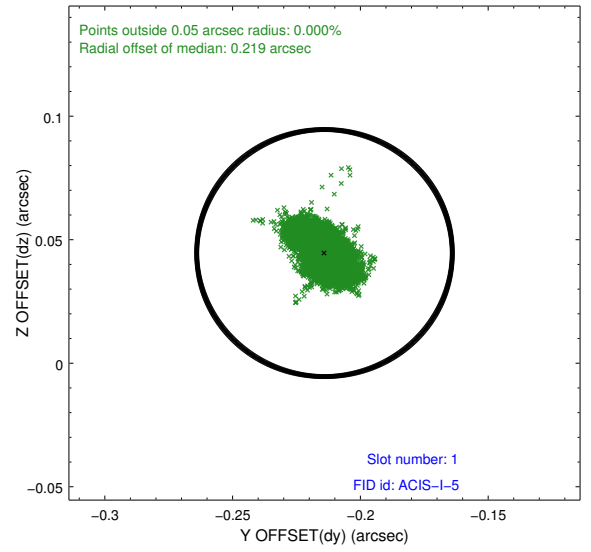
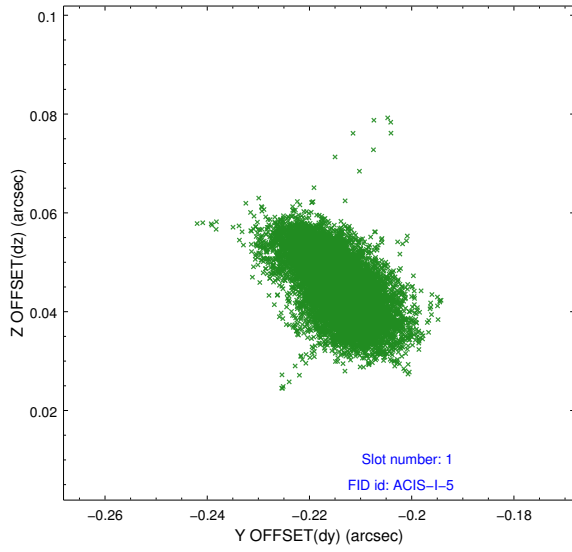


## 2.5 FID Slots

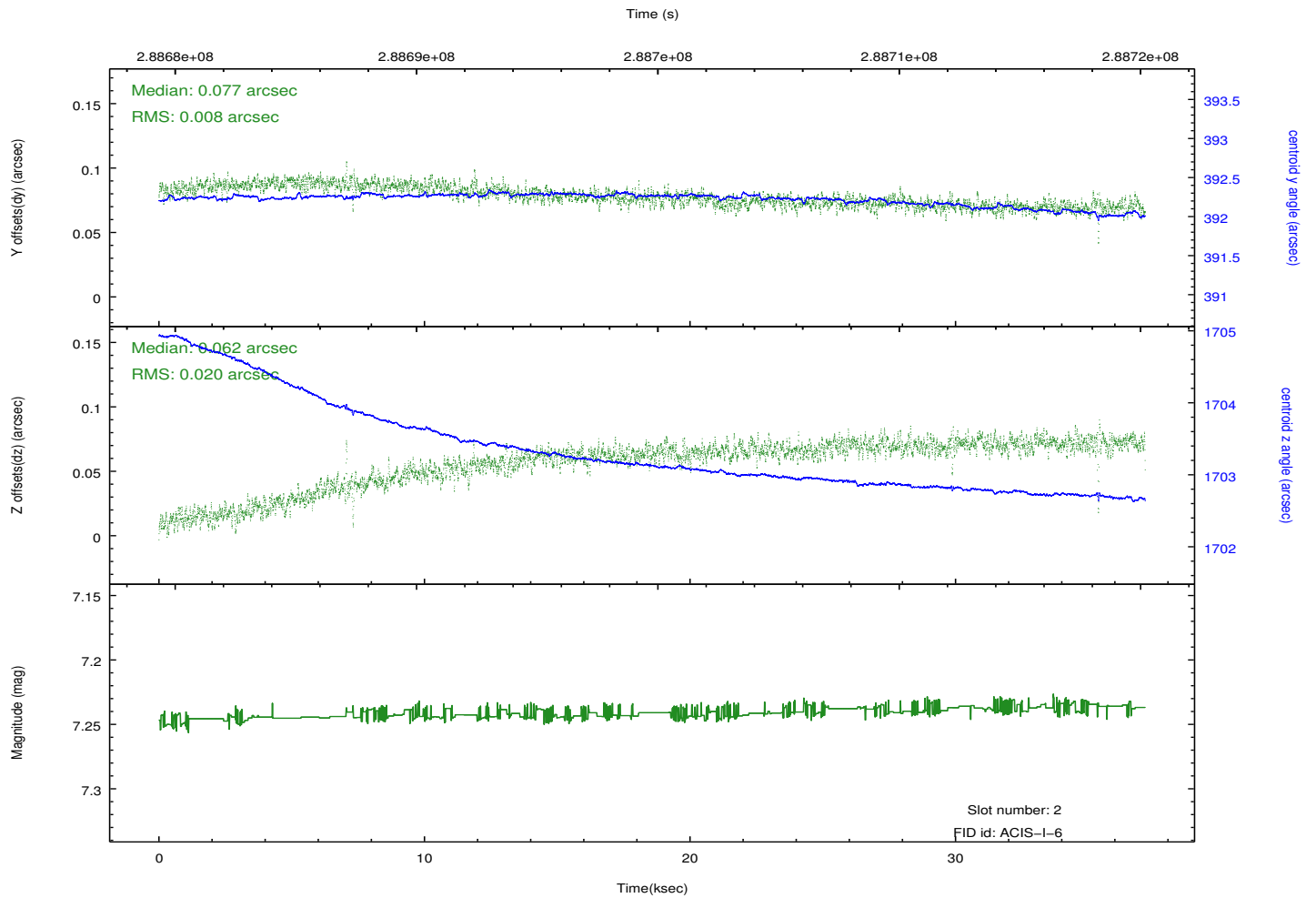
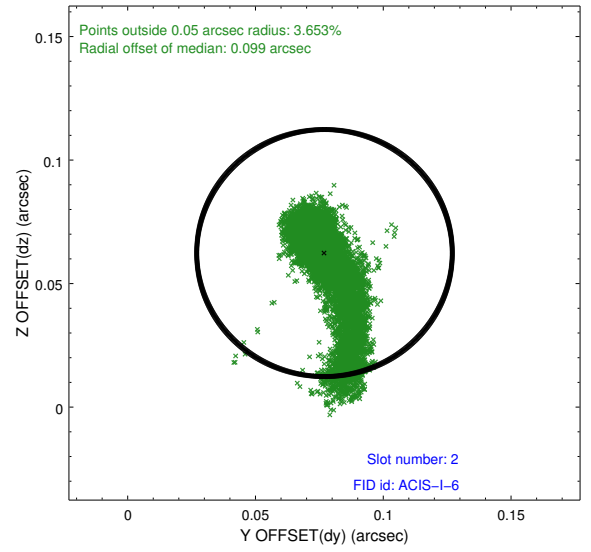
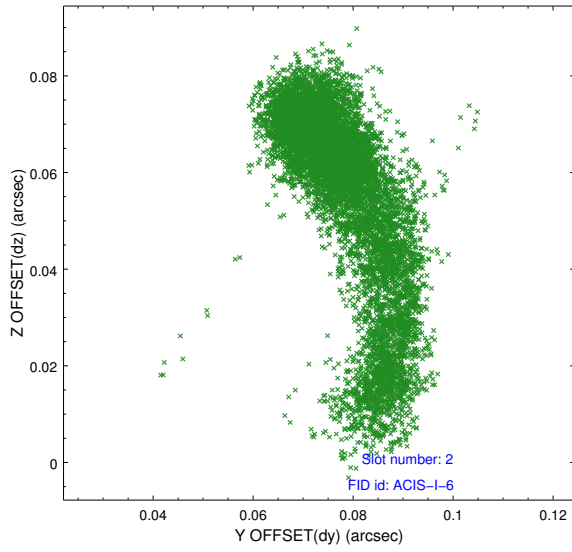
### 2.5.1 Slot 0



## 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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.1359998

## A.2 Comments