

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3301 - L2 Version 3  
Chandra X-Ray Center

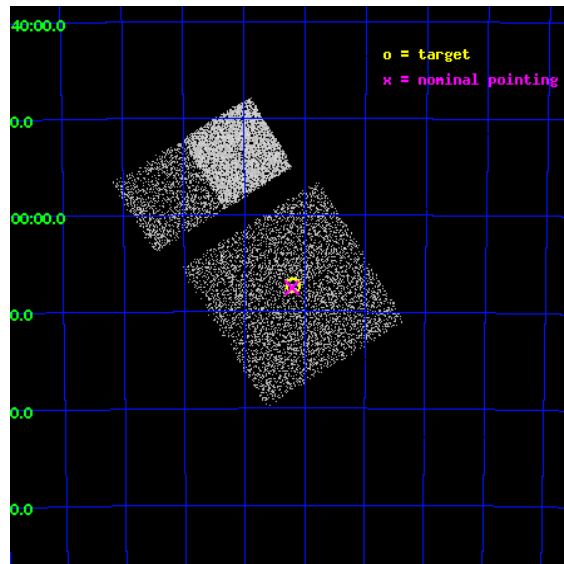
L2 Processing Date : Oct 11 2012

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# 1 Front

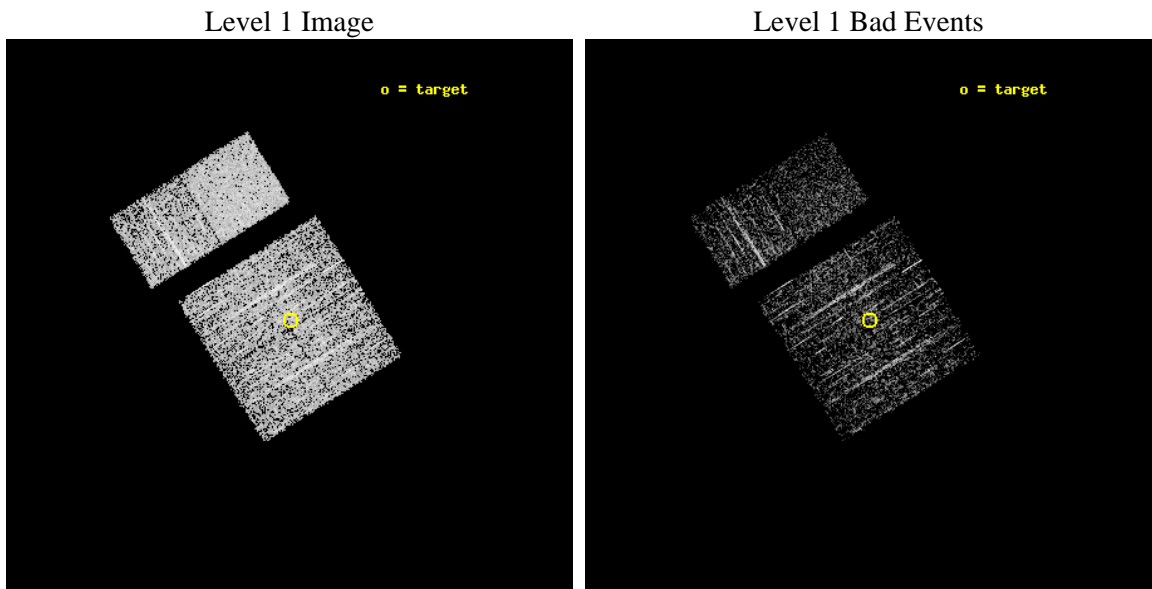
seq_num	900140	Sequence number
obs_id	3301	Observation id
title	A CHEAP COMPLETE WIDE BRIGHT SURVEY	Proposal title
observer	DR. FABIO LA FRANCA	Principal investigator
object	H183611	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	279.047083	Observer's specified target RA [deg]
dec_targ	-65.122194	Observer's specified target Dec [deg]
ra_nom	279.05373685569	Nominal RA [deg]
dec_nom	-65.125792248915	Nominal Dec [deg]
roll_nom	328.18538279586	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1429.3643508255	Sum of GTIs [s]
livetime	1411.2648787555	Livetime [s]
ontime0	1429.2412308455	Sum of GTIs [s]
ontime1	1429.2822708189	Sum of GTIs [s]
ontime2	1429.3233108222	Sum of GTIs [s]
ontime3	1429.3643508255	Sum of GTIs [s]
ontime6	1429.4464308321	Sum of GTIs [s]
ontime7	1429.4053908288	Sum of GTIs [s]
l2events	15216	Number of level 2 events



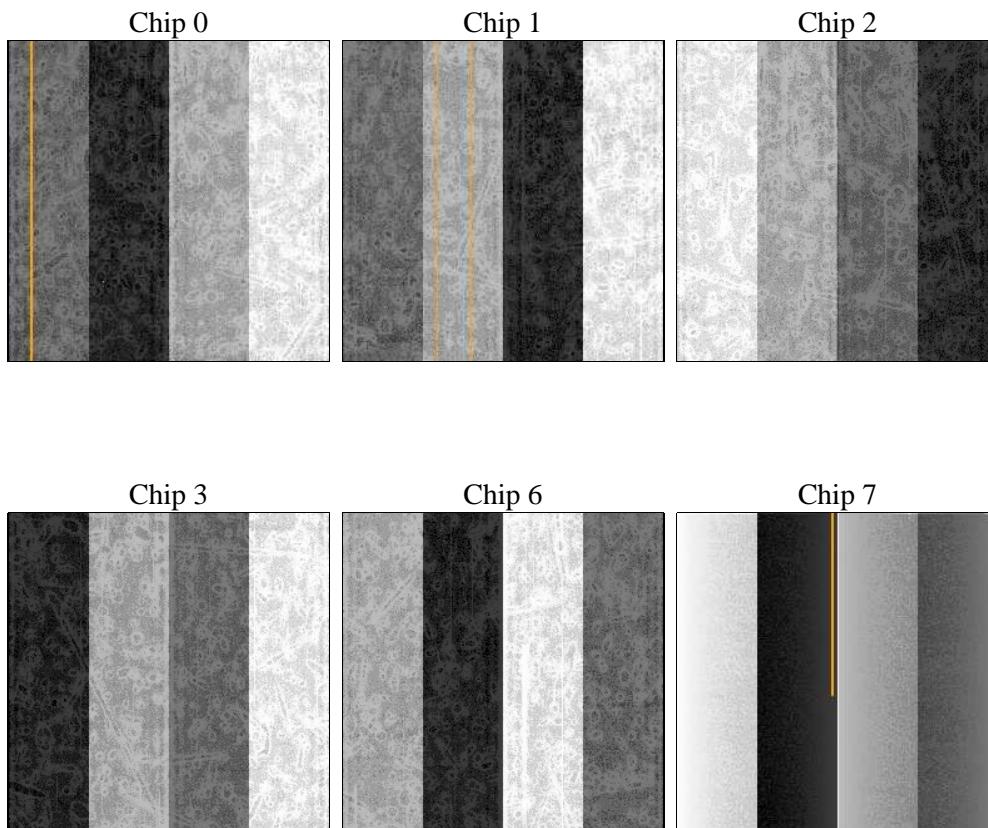
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1470.531000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1429.3643508255	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	1429.2412308455	Sum of GTIs [s]
date	2012-10-11T19:09:35	Date and time of file creation	ontime1	1429.2822708189	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1429.3233108222	Sum of GTIs [s]
			ontime3	1429.3643508255	Sum of GTIs [s]
			ontime6	1429.4464308321	Sum of GTIs [s]
			ontime7	1429.4053908288	Sum of GTIs [s]
			l1events	66947	Number of level 1 events

### 2.1.4 Events

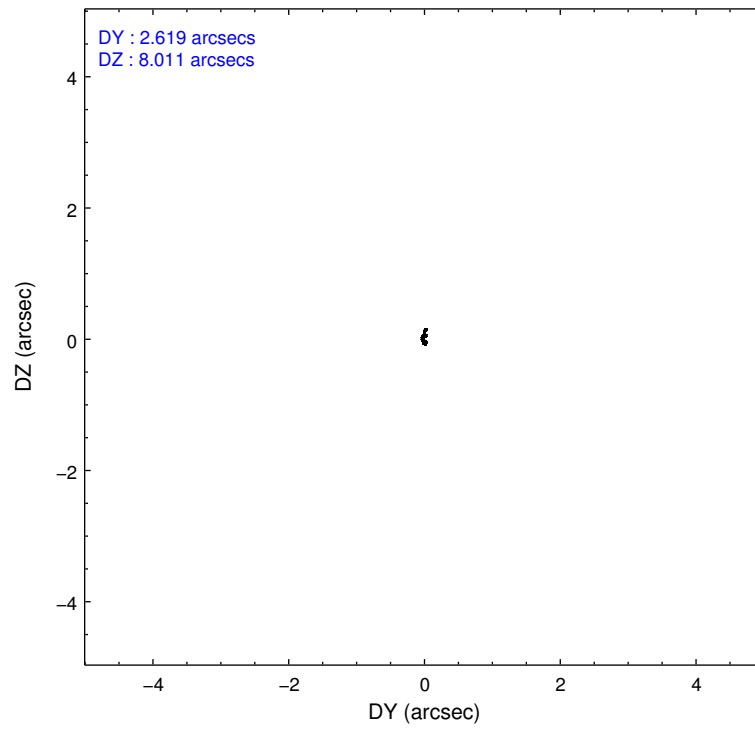
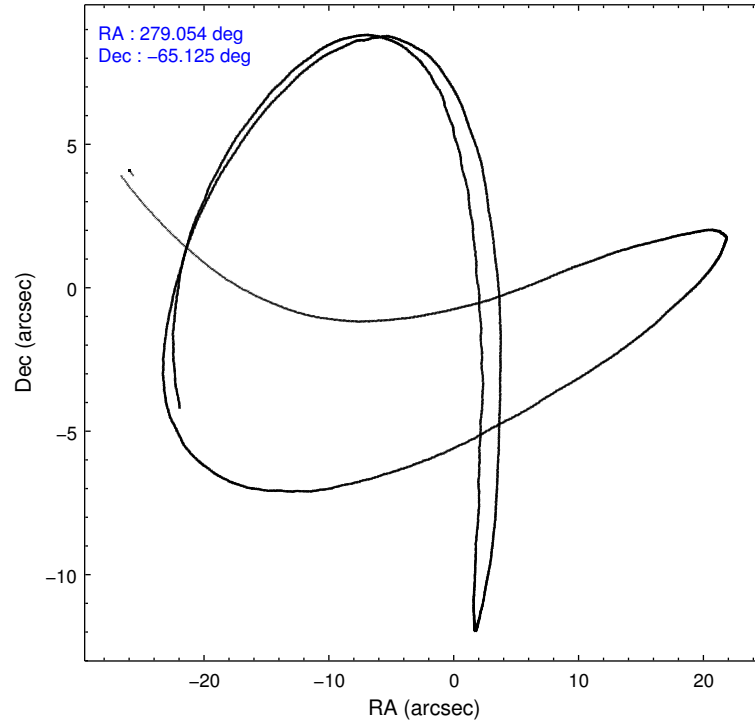
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	9764	9705	10823	10569	11283	14803
rejected events	7931	7856	8955	8880	9438	7229
rejected %	81%	80%	82%	84%	83%	48%

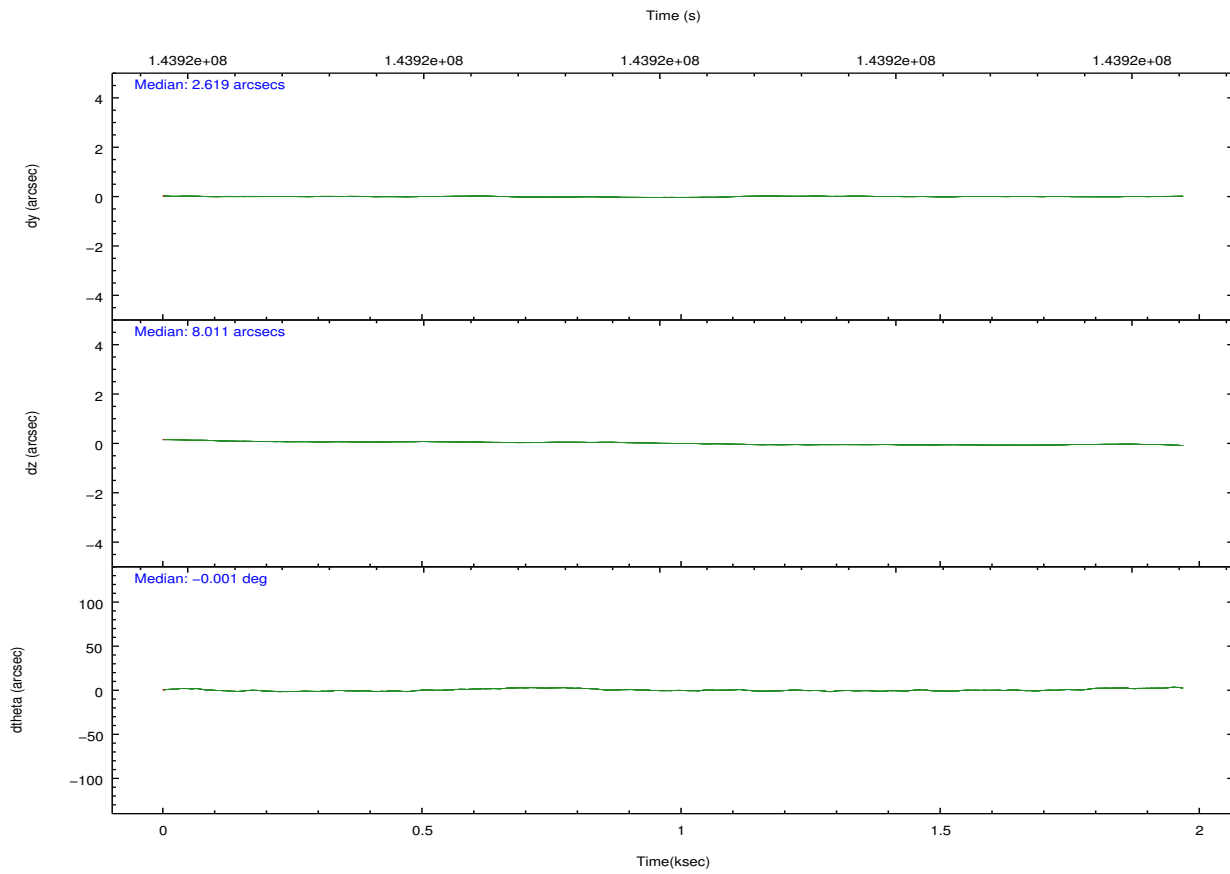
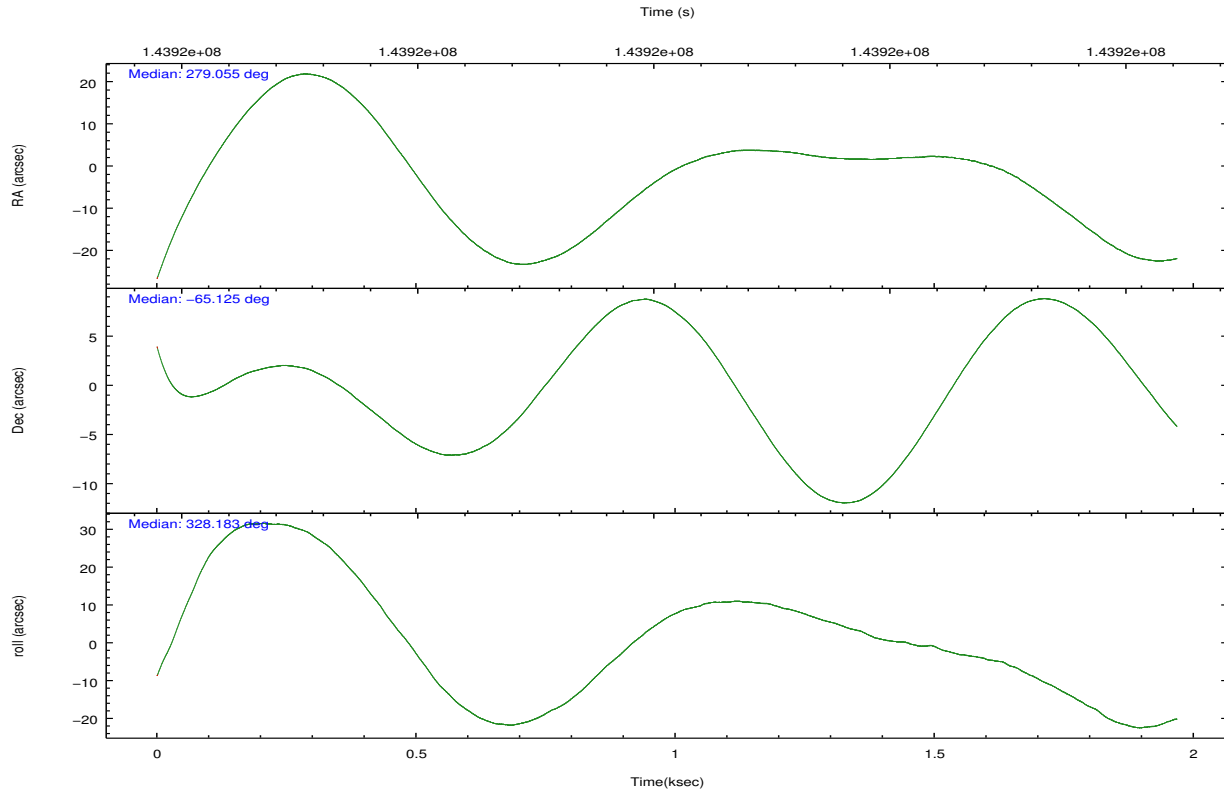
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	889	876	920	866	914	921
	9%	9%	8%	8%	8%	6%
grade 1 events	3	8	5	9	5	13
	0%	0%	0%	0%	0%	0%
grade 2 events	411	384	405	356	402	1511
	4%	3%	3%	3%	3%	10%
grade 3 events	134	138	102	96	134	687
	1%	1%	0%	0%	1%	4%
grade 4 events	129	117	133	120	119	636
	1%	1%	1%	1%	1%	4%
grade 5 events	342	347	305	364	416	1208
	3%	3%	2%	3%	3%	8%
grade 6 events	278	341	316	261	287	3849
	2%	3%	2%	2%	2%	26%
grade 7 events	7578	7494	8637	8497	9006	5978
	77%	77%	79%	80%	79%	40%

## 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	278.988384	279.0537368556936	Subarray requested	NONE	NONE
[deg] Pointing Dec	-65.125204	-65.12579224891503	Alternating exposures requested	N	N
[deg] Pointing Roll	327.917415	328.1853827958642	[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)	143923043.184000	143921917.78077			
Observation start date	2002-07-24T18:36:19	2002-07-24T18:18:37			
[s] Observation end time (MET)	143924513.184000	143924827.75589			
Observation end date	2002-07-24T19:00:49	2002-07-24T19:07:07			
Read mode	TIMED	TIMED			

## 2.3 Aspect





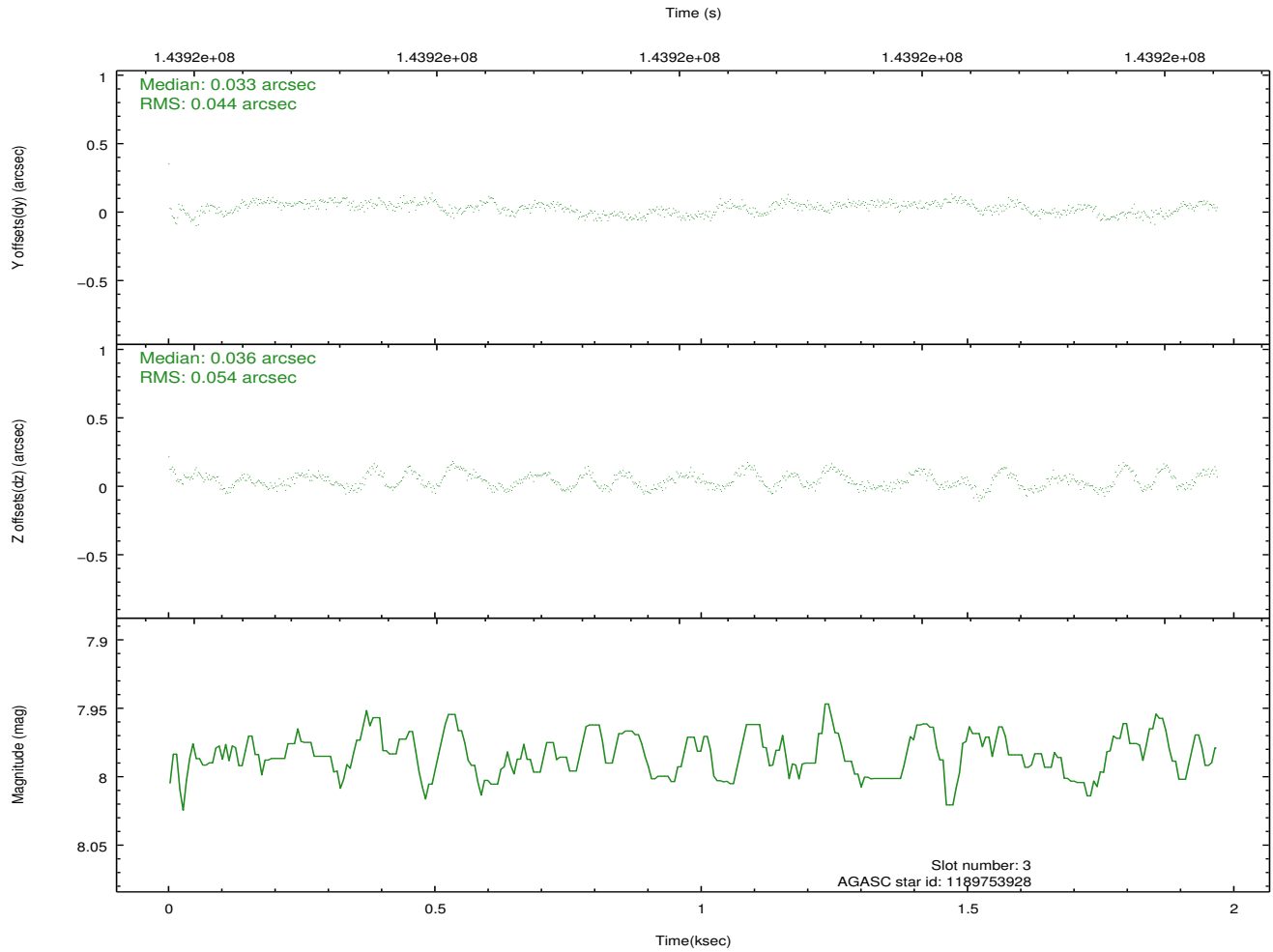
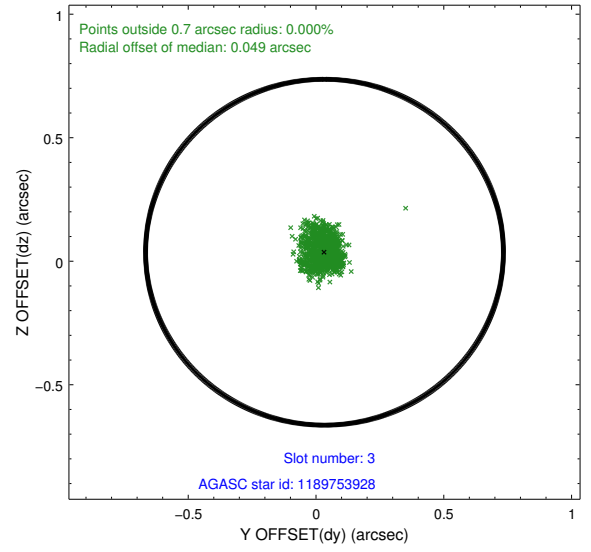
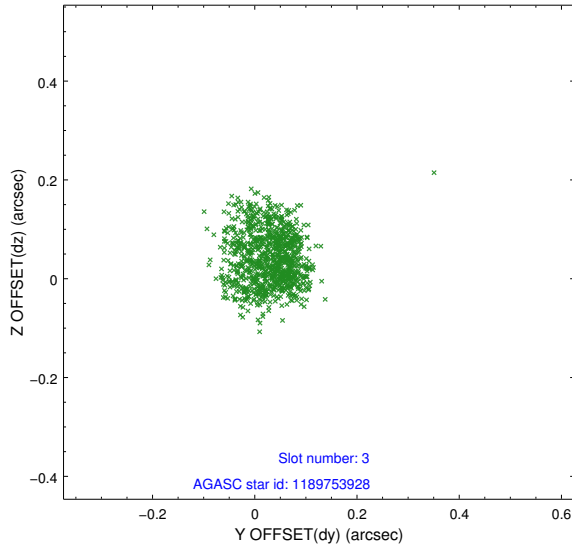
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	481	-0.018	0.052	0.012	0.031	0.000000	0.000000	937.15	-831.40
1	FID	ACIS-I-5	7.23	481	-0.049	0.039	0.007	0.013	0.000000	0.000000	-1809.10	1064.46
2	FID	ACIS-I-6	7.26	481	-0.023	-0.021	0.011	0.030	0.000000	0.000000	399.14	1712.64
3	GUIDE	1189753928	7.98	961	0.033	0.036	0.075	0.114	280.013070	-64.725745	578.41	2042.22
4	GUIDE	1189621712	7.81	961	-0.087	0.059	0.056	0.095	277.257469	-65.188770	-2073.01	-1612.91
5	GUIDE	1189613616	8.25	961	0.007	-0.067	0.053	0.086	277.886739	-64.664591	-2311.85	487.33
6	GUIDE	1189626400	9.79	958	0.081	0.046	0.094	0.160	278.020636	-65.396002	-706.50	-1607.26
7	GUIDE	1189749792	8.90	958	-0.031	-0.078	0.089	0.138	280.169539	-64.649024	641.28	2401.29

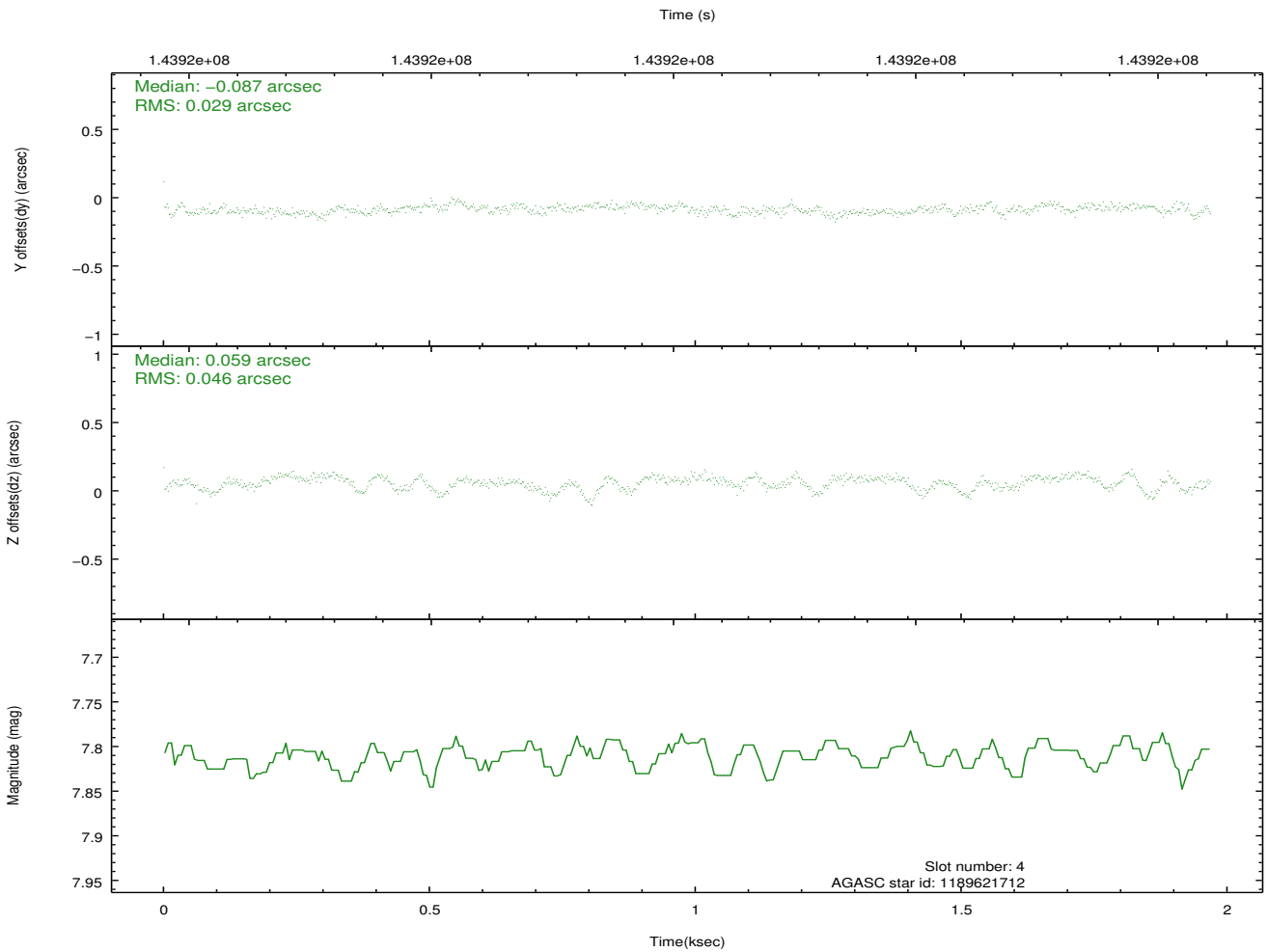
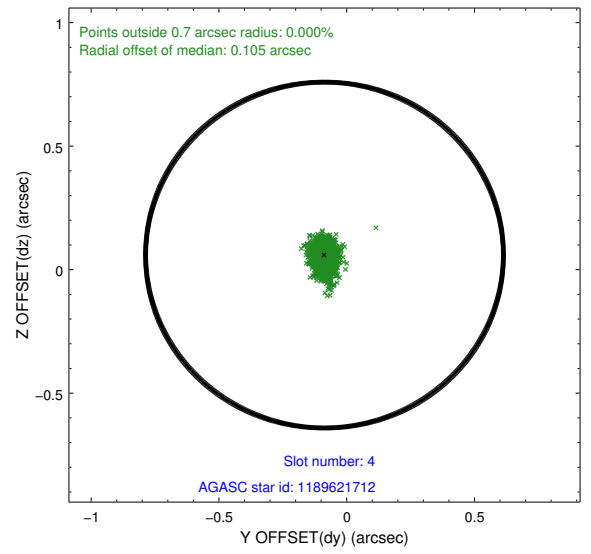
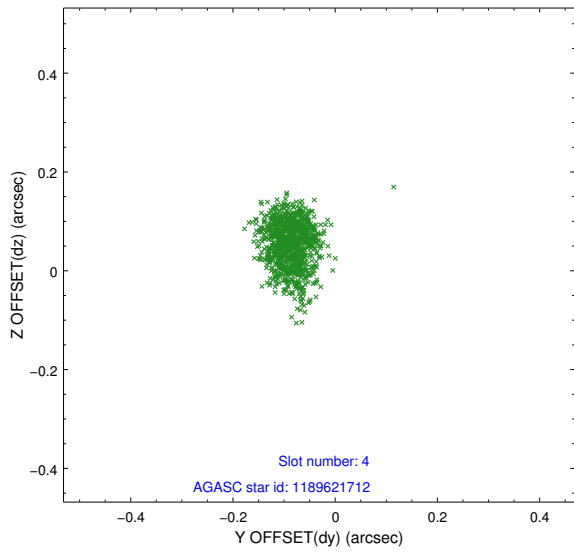
∞

## 2.4 Star Slots

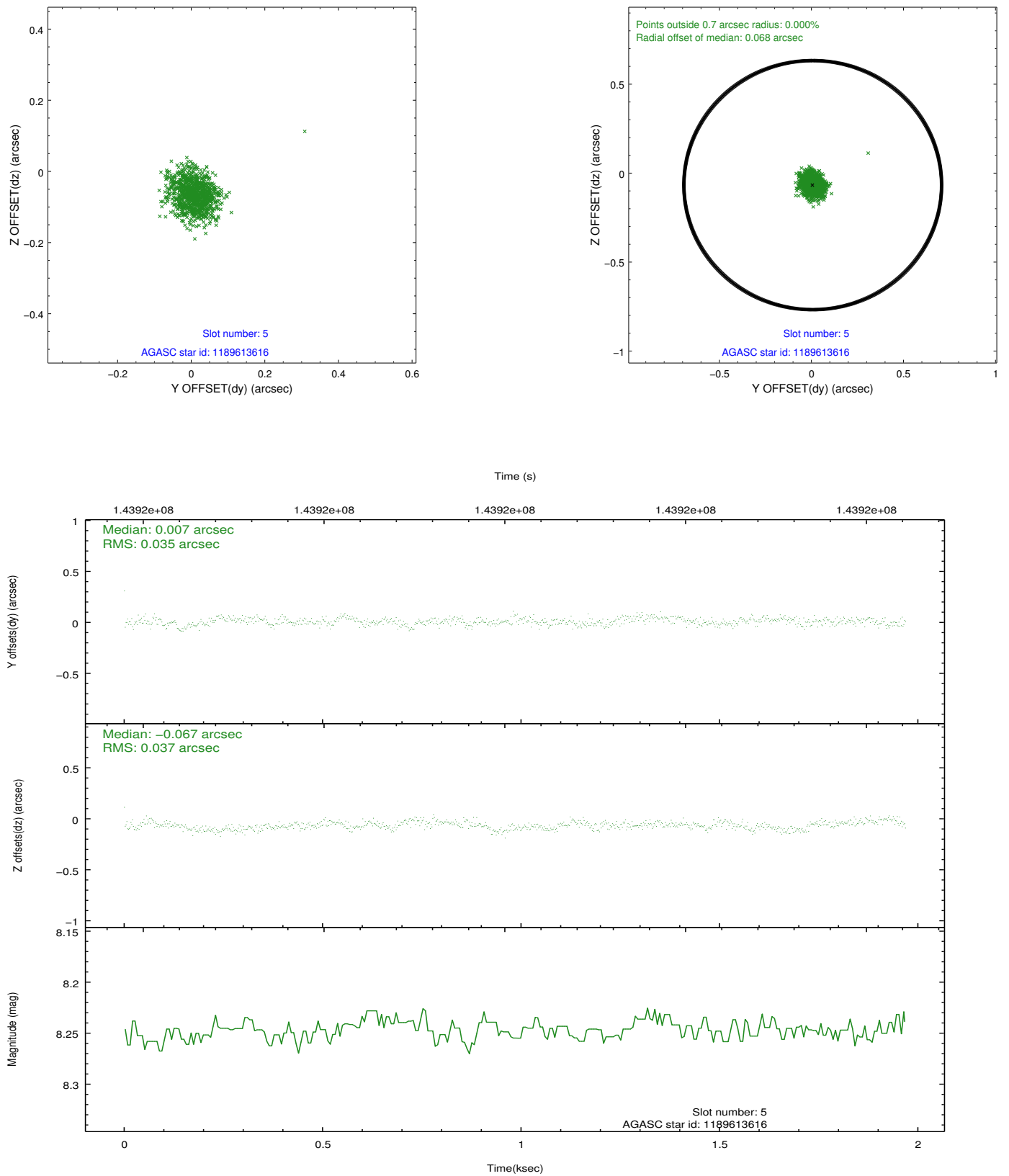
### 2.4.1 Slot 3



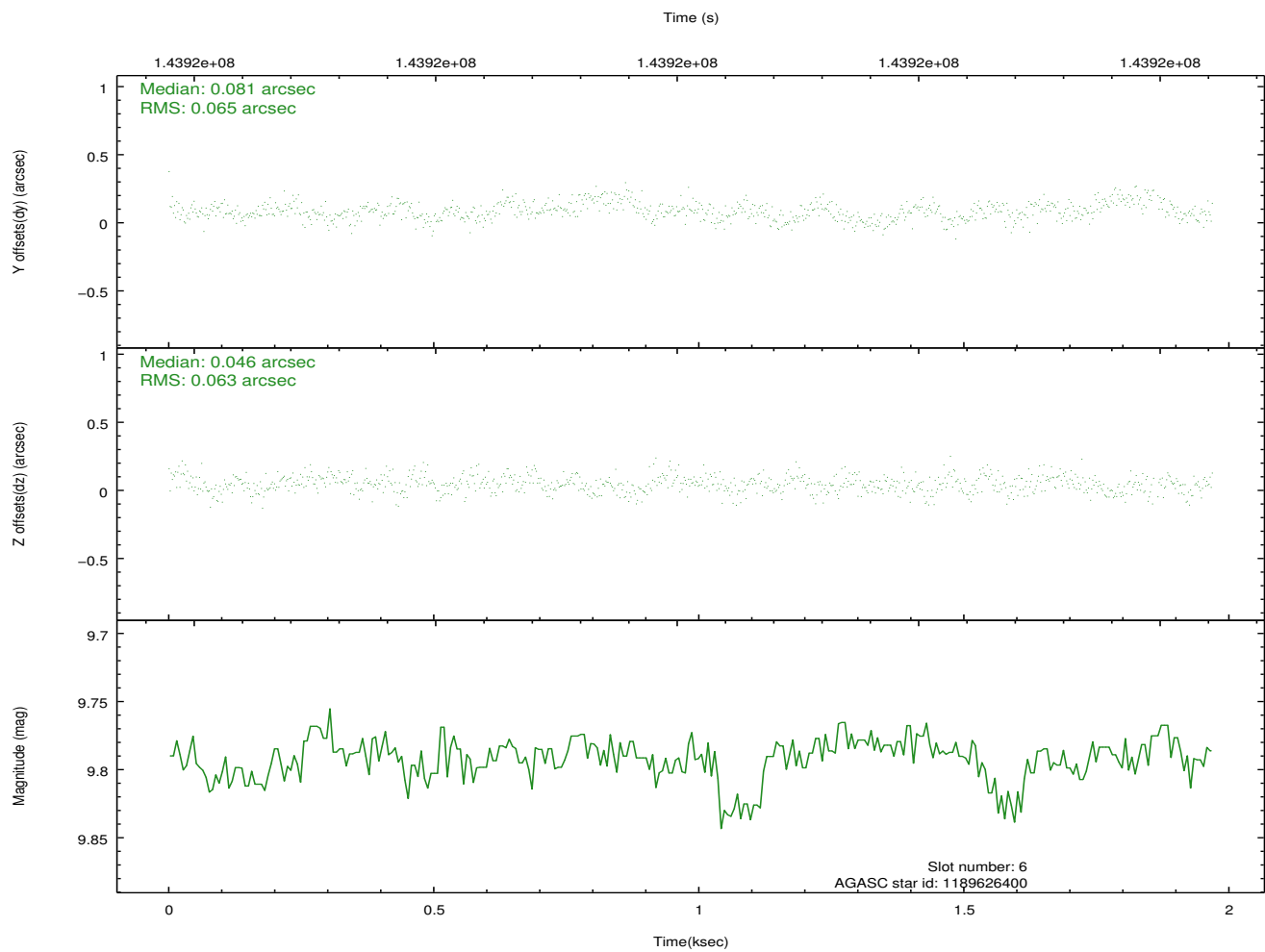
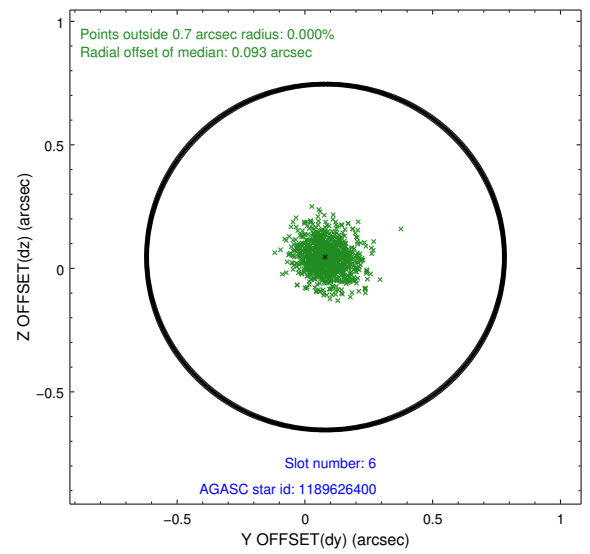
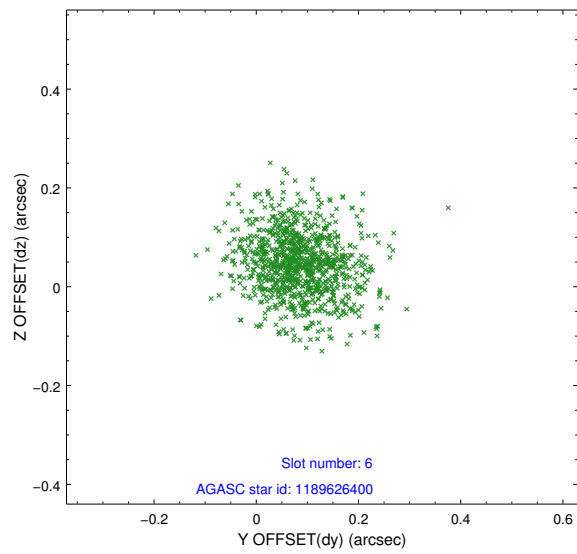
## 2.4.2 Slot 4



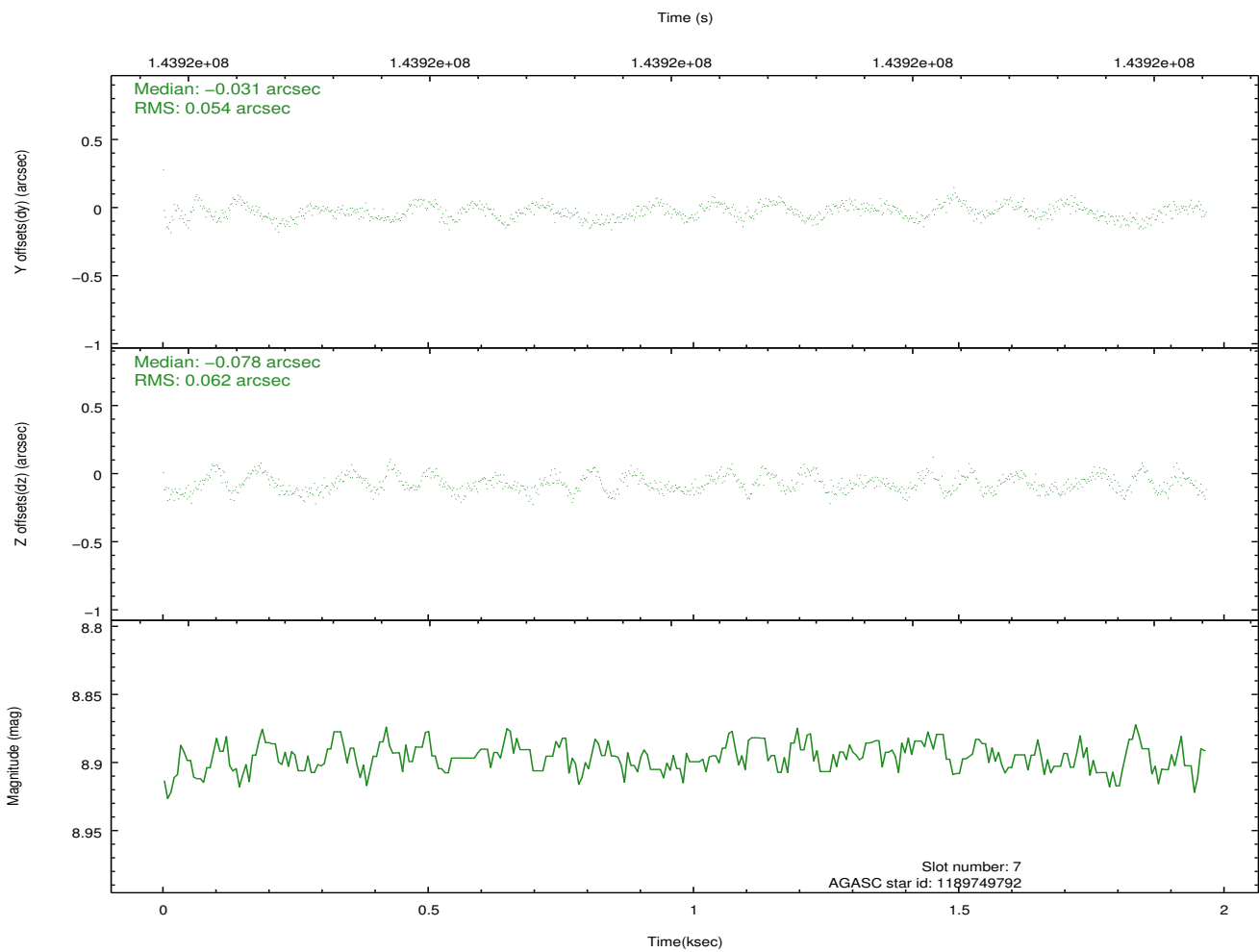
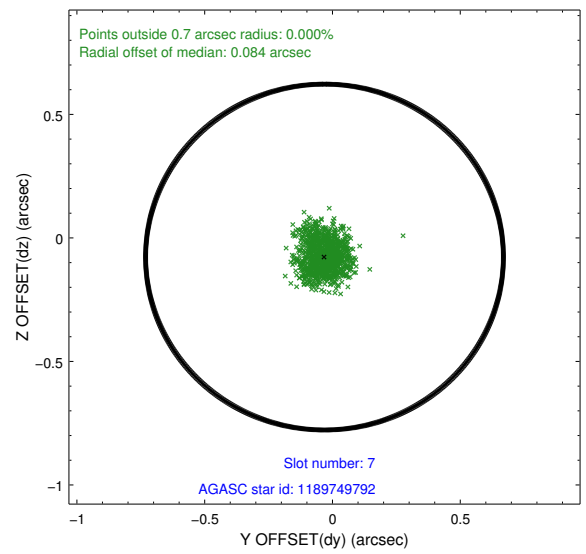
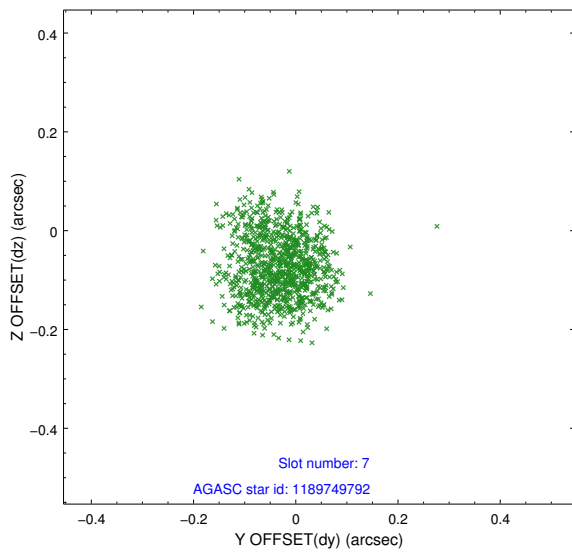
### 2.4.3 Slot 5



## 2.4.4 Slot 6

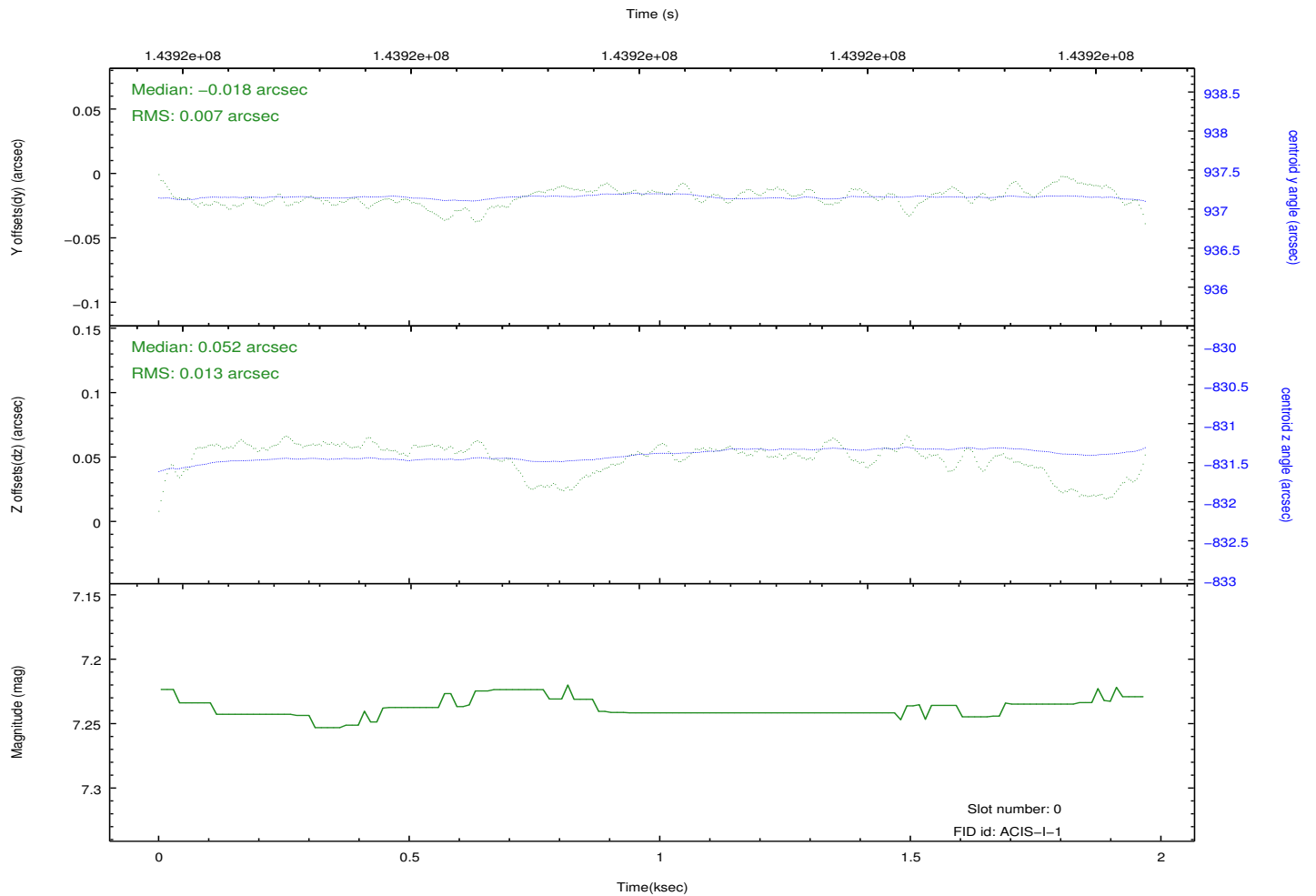
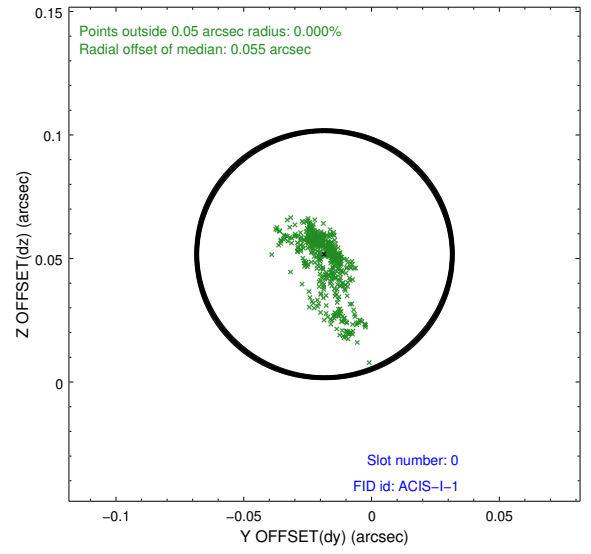
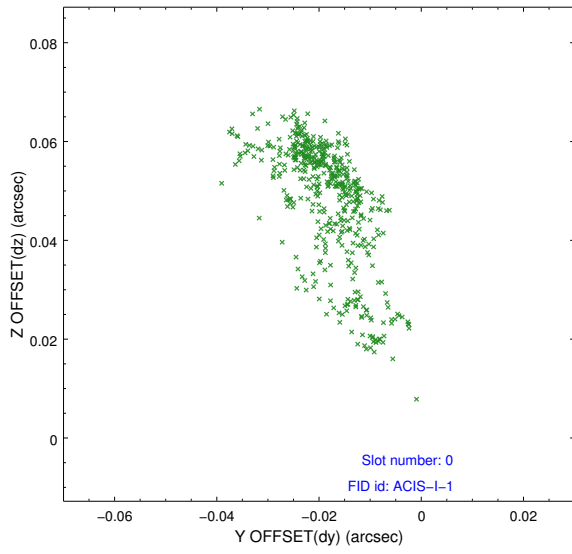


## 2.4.5 Slot 7

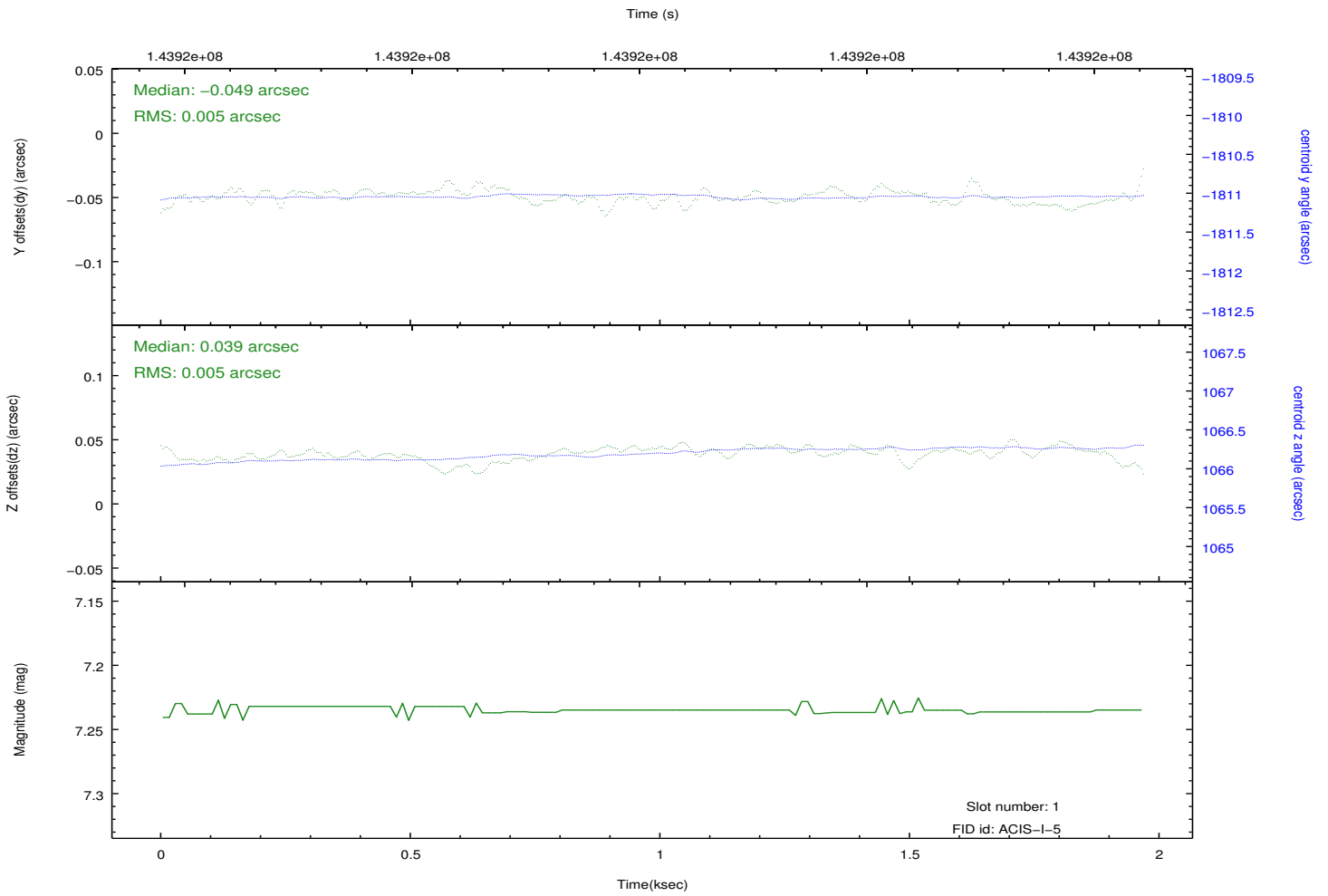
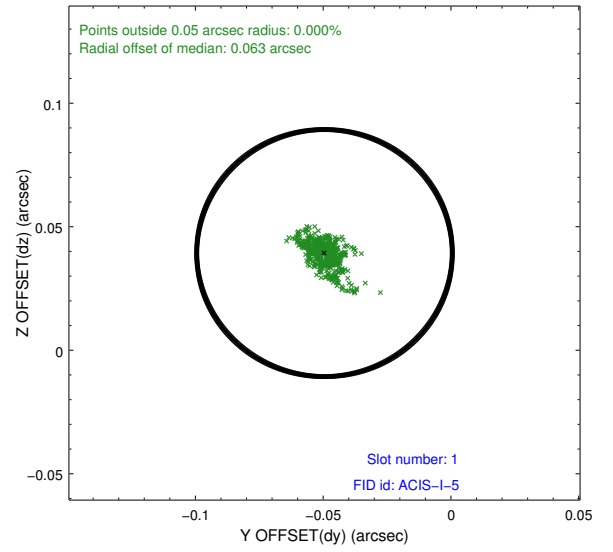
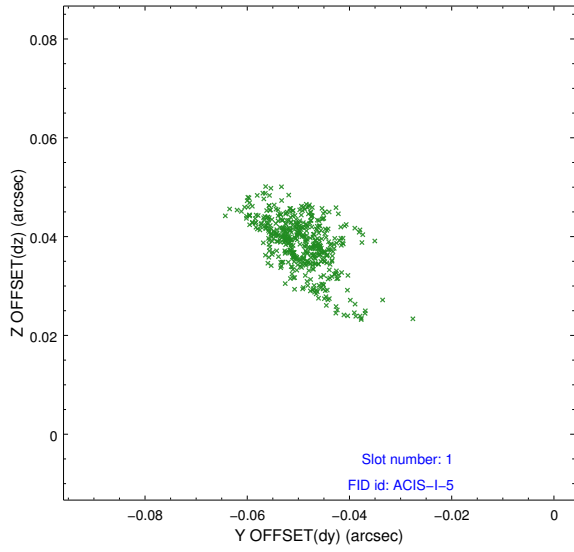


## 2.5 FID Slots

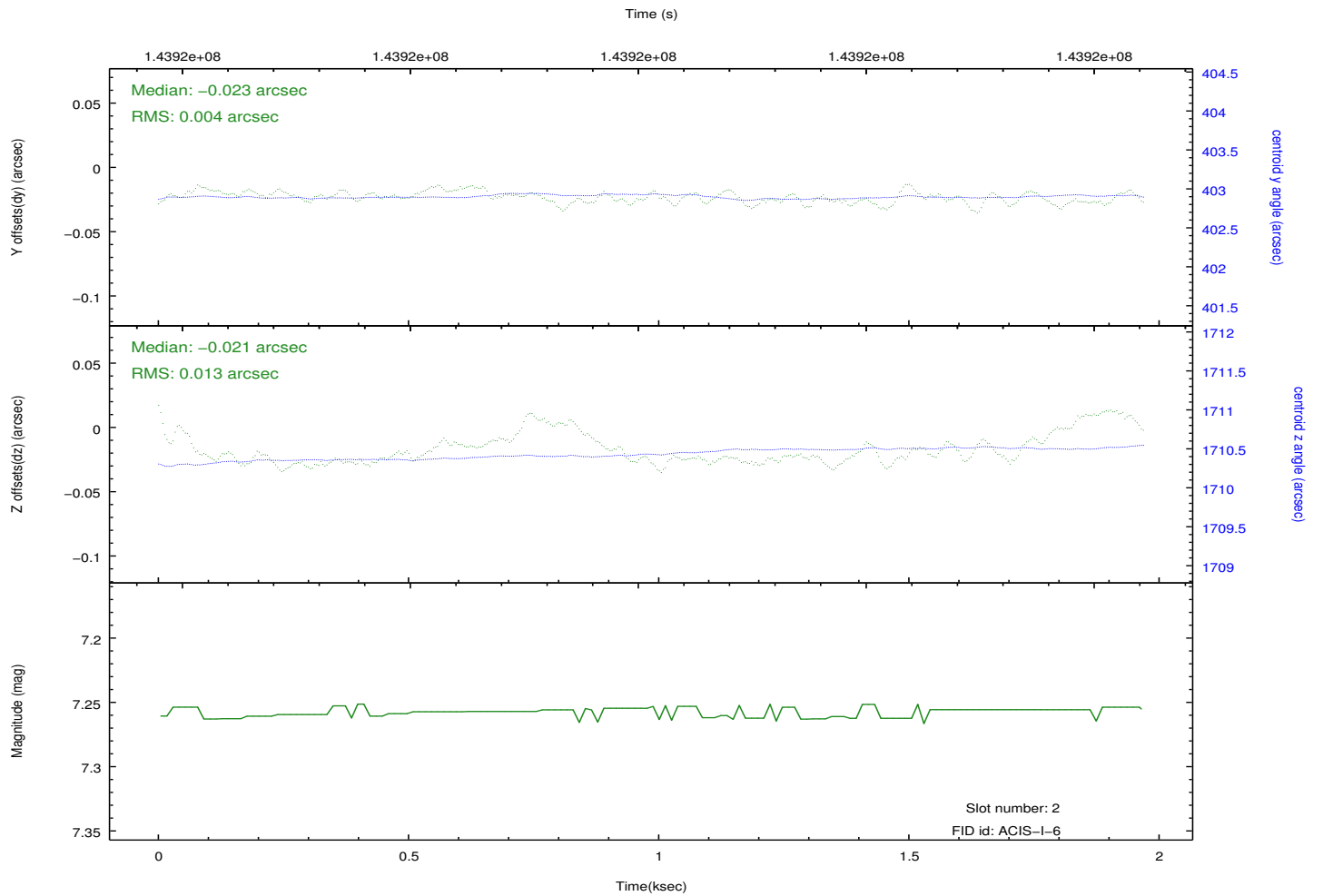
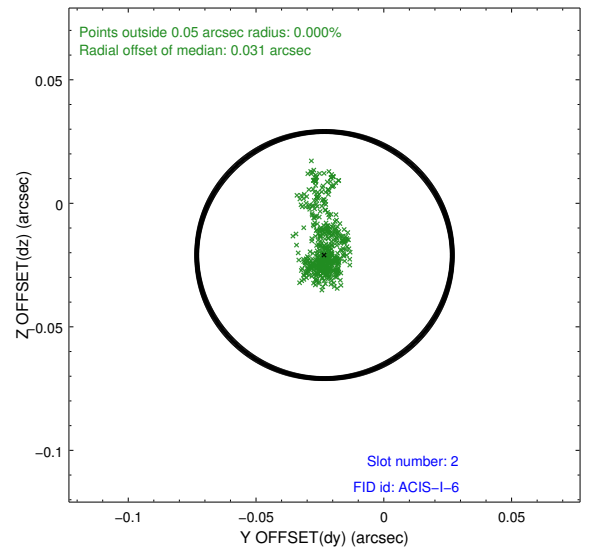
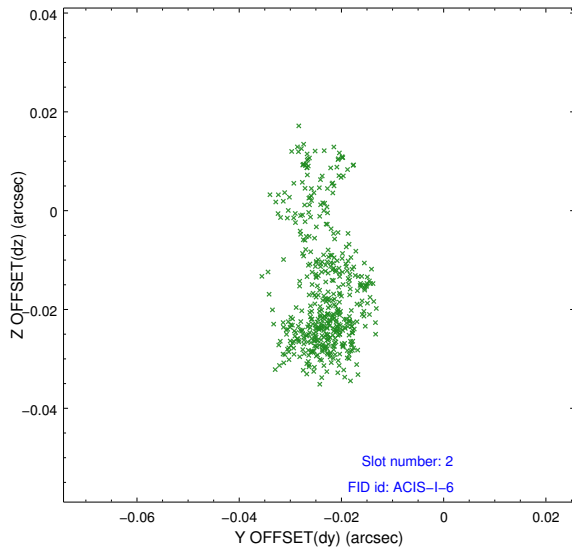
### 2.5.1 Slot 0



## 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)	2012.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.43

## A.2 Comments