

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 7370 - L2 Version 2  
Chandra X-Ray Center

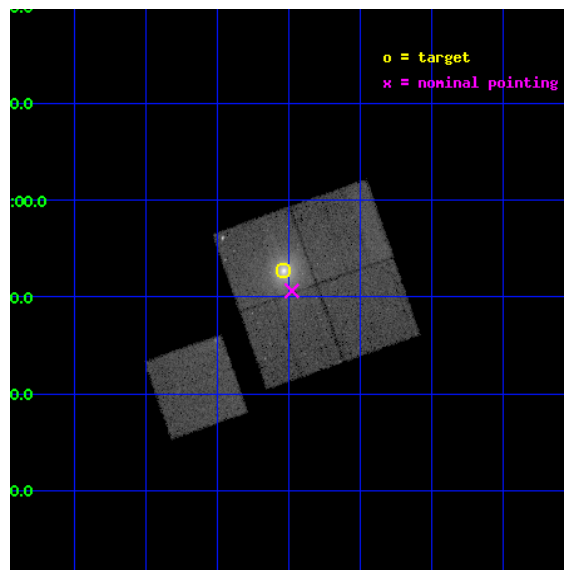
L2 Processing Date : Apr 6 2012

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# 1 Front

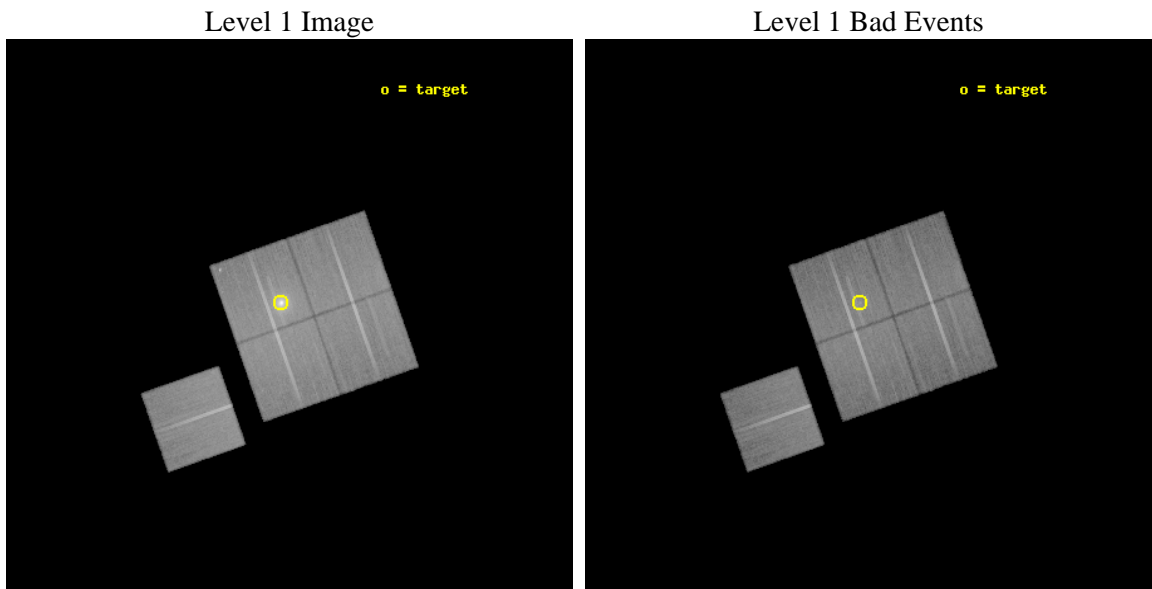
seq_num	701298	Sequence number
obs_id	7370	Observation id
title	CHARACTERIZING THE NATURE OF OPTICAL DROP-OUTS AND $z \geq 6-10$ GALAXIES BEHIND THE LENSING CLUSTER ABELL 1835	Proposal title
observer	Dr. Michael Wise	Principal investigator
object	Abell 1835	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.25875	Observer's specified target RA [deg]
dec_targ	2.878667	Observer's specified target Dec [deg]
ra_nom	210.24438508019	Nominal RA [deg]
dec_nom	2.8438465212345	Nominal Dec [deg]
roll_nom	250.63514983093	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40030.259347618	Sum of GTIs [s]
liveltime	39507.234539393	Livetime [s]
ontime0	40030.147277117	Sum of GTIs [s]
ontime1	40030.188337028	Sum of GTIs [s]
ontime2	40027.088386834	Sum of GTIs [s]
ontime3	40030.259347618	Sum of GTIs [s]
ontime6	40033.247227371	Sum of GTIs [s]
l2events	203165	Number of level 2 events



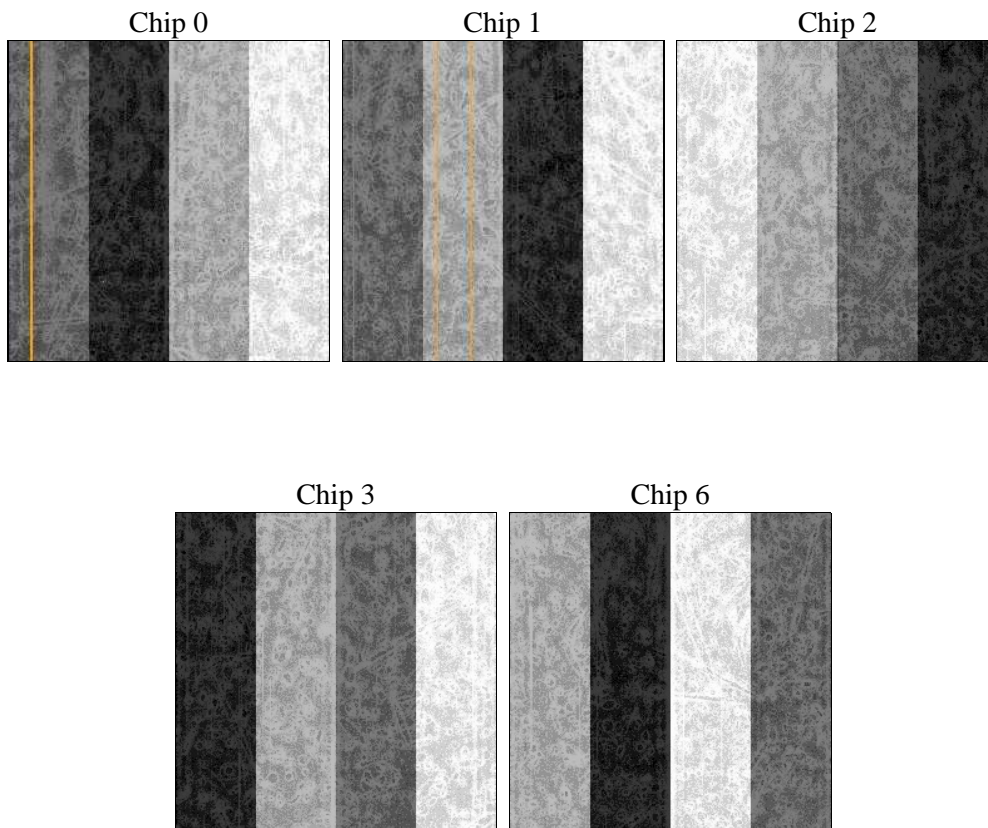
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	40030.259347618	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	40030.147277117	Sum of GTIs [s]
date	2012-04-06T02:55:18	Date and time of file creation	ontime1	40030.188337028	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	40027.088386834	Sum of GTIs [s]
			ontime3	40030.259347618	Sum of GTIs [s]
			ontime6	40033.247227371	Sum of GTIs [s]
			l1events	1591165	Number of level 1 events

### 2.1.4 Events

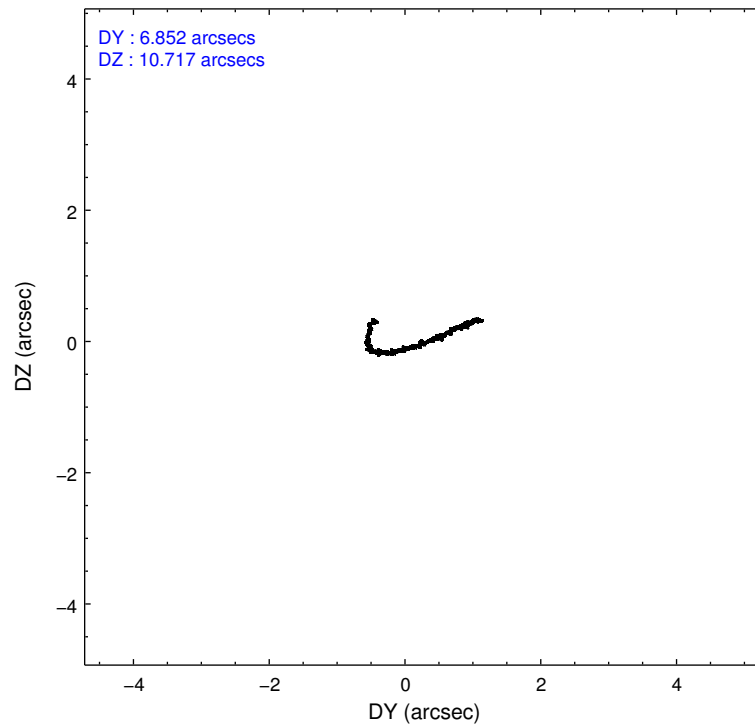
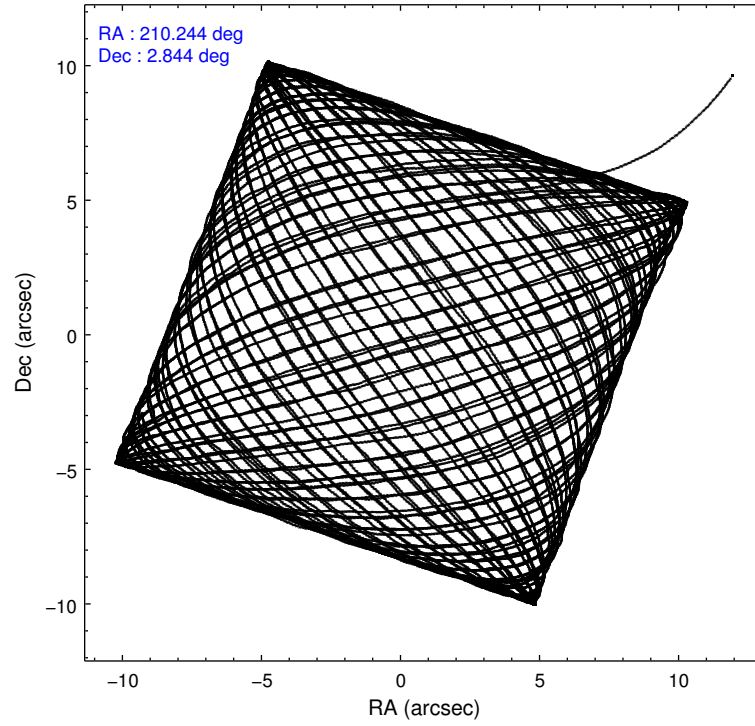
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	284905	289353	323308	386213	307386
rejected events	254675	254286	292123	282196	276587
rejected %	89%	87%	90%	73%	89%

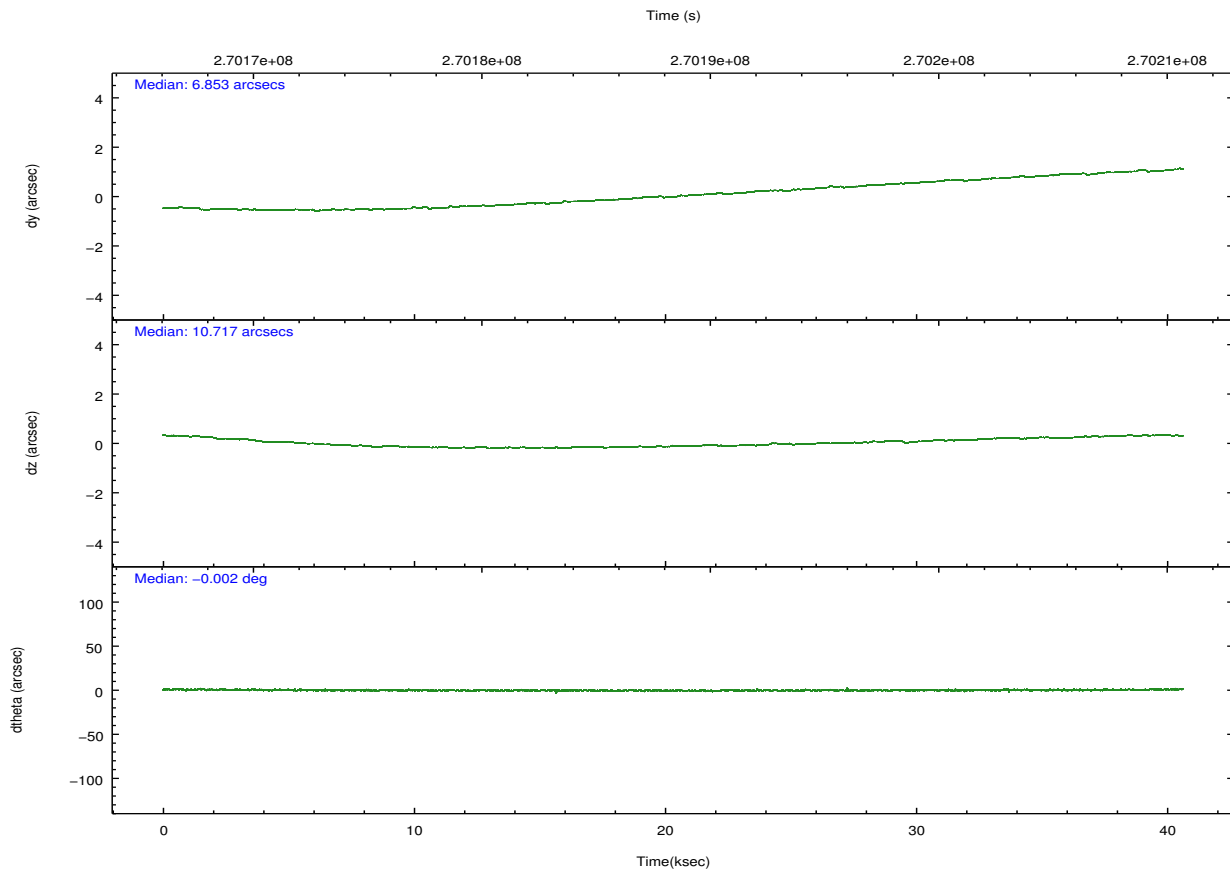
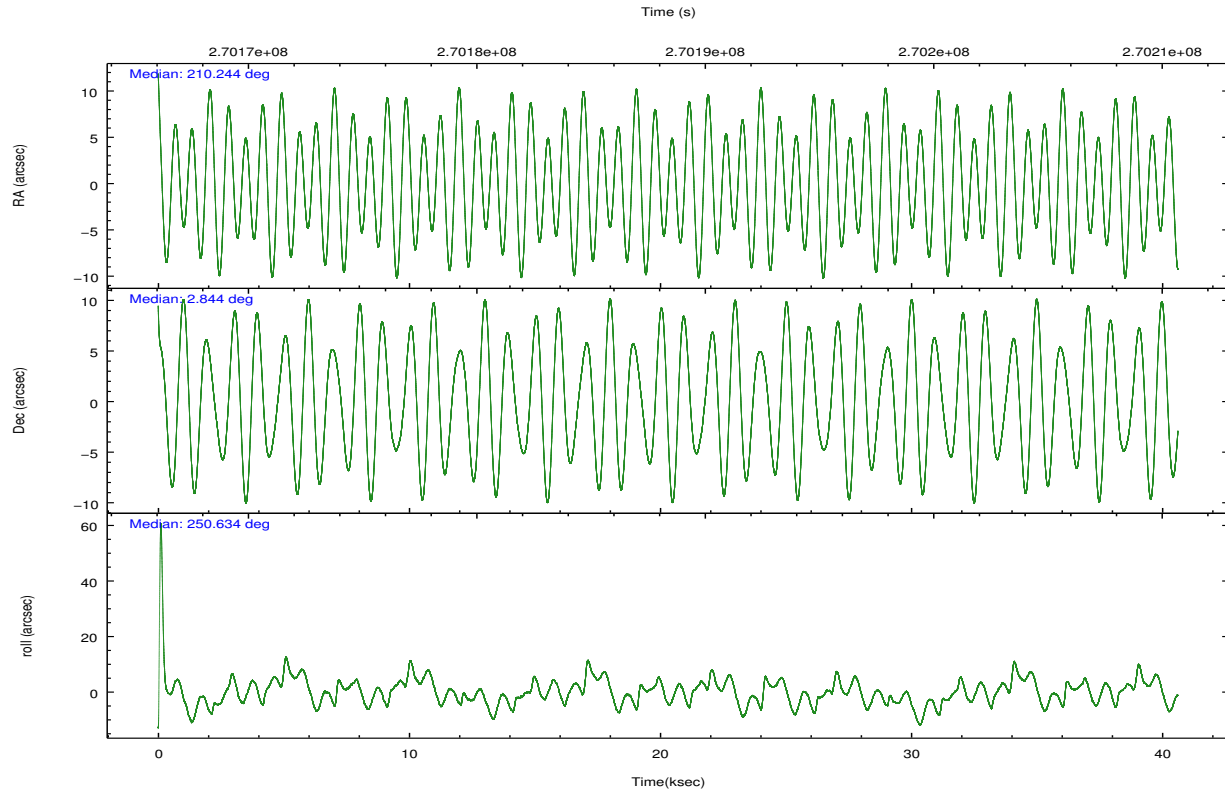
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10762	13215	12129	71805	10770
	3%	4%	3%	18%	3%
grade 1 events	157	175	195	583	138
	0%	0%	0%	0%	0%
grade 2 events	7093	7543	7046	13623	6652
	2%	2%	2%	3%	2%
grade 3 events	3442	3798	3329	5504	3383
	1%	1%	1%	1%	1%
grade 4 events	3177	3780	3224	5583	3415
	1%	1%	0%	1%	1%
grade 5 events	10135	11592	9505	12280	11973
	3%	4%	2%	3%	3%
grade 6 events	5762	6736	5464	7520	6585
	2%	2%	1%	1%	2%
grade 7 events	244377	242514	282416	269315	264470
	85%	83%	87%	69%	86%

## 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	210.239223	210.2443850801939	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.870762	2.843846521234501	Alternating exposures requested	N	N
[deg] Pointing Roll	250.426746	250.6351498309295	[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	-227.592463	-227.5933067819097			
[mm] SIM translation stage offset	-6	-5.999146221020027			
[s] Observation start time (MET)	270168673.184000	270167471.57842			
Observation start date	2006-07-24T22:50:08	2006-07-24T22:31:11			
[s] Observation end time (MET)	270208673.184000	270209258.26788			
Observation end date	2006-07-25T09:56:48	2006-07-25T10:07:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect



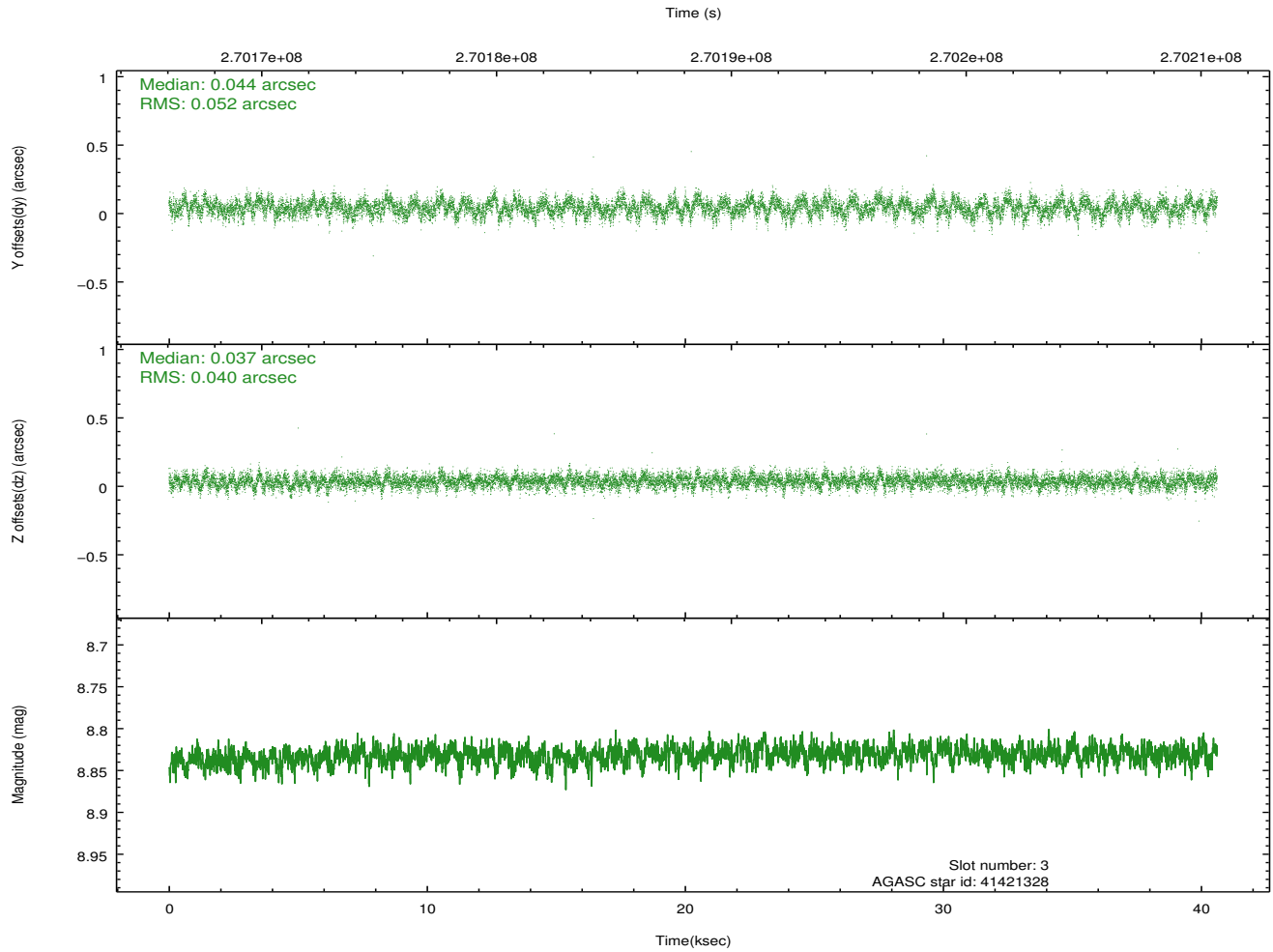
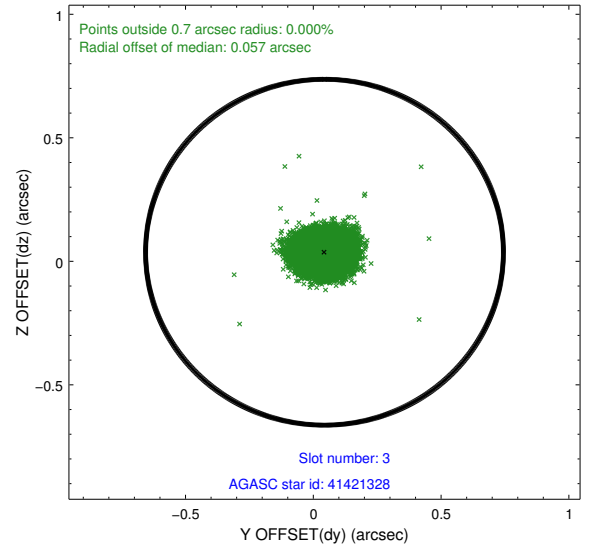
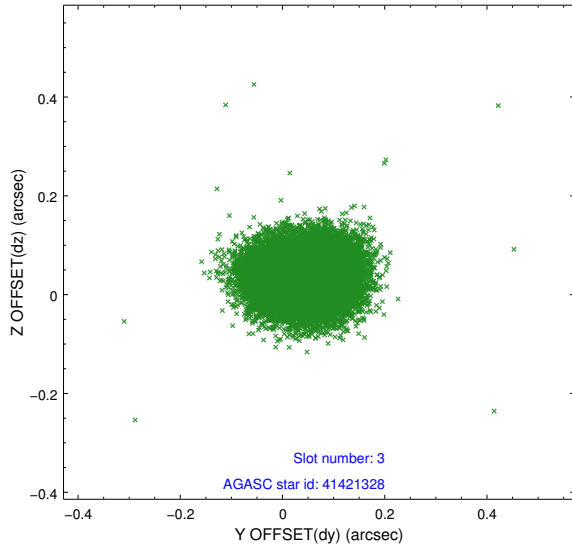


### Slot Statistics

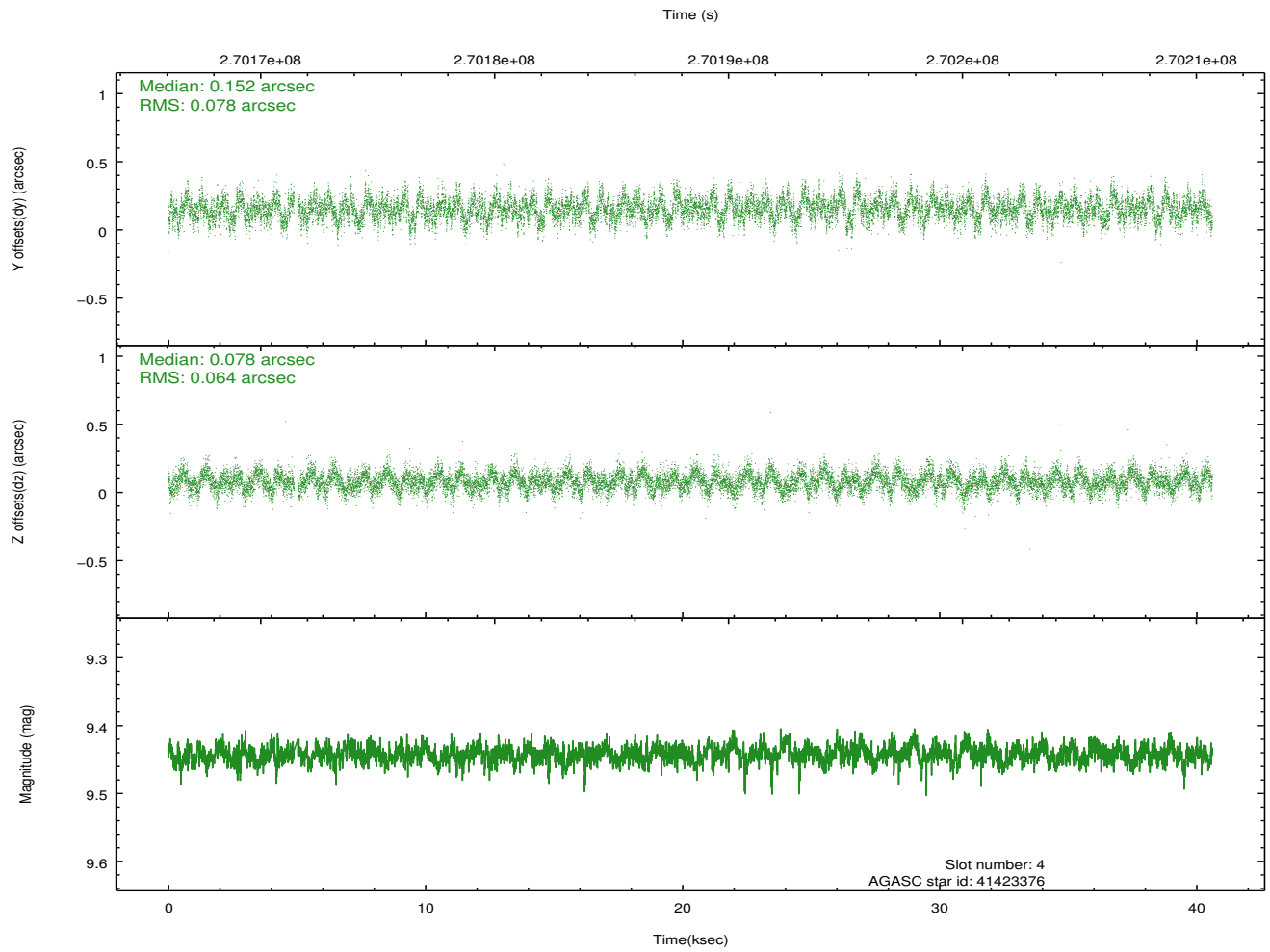
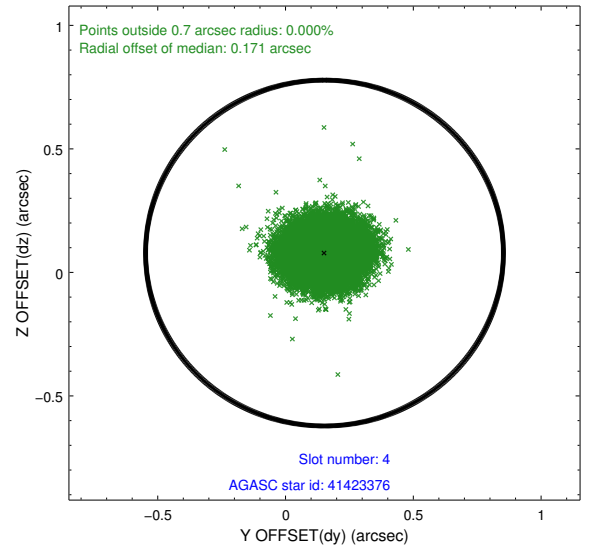
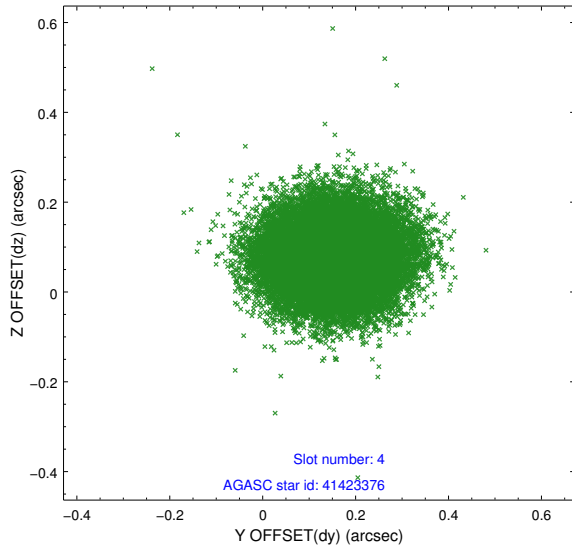
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	9905	0.076	-0.055	0.009	0.016	0.000000	0.000000	932.70	-957.42
1	FID	ACIS-I-5	7.23	9906	-0.229	0.070	0.008	0.015	0.000000	0.000000	-1815.71	940.17
2	FID	ACIS-I-6	7.25	9907	0.062	0.056	0.010	0.017	0.000000	0.000000	398.21	1584.68
3	GUIDE	41421328	8.83	19805	0.044	0.037	0.069	0.112	210.405722	2.285281	1785.28	1270.29
4	GUIDE	41423376	9.44	19709	0.152	0.078	0.108	0.173	210.567769	2.137823	2090.32	1997.84
5	GUIDE	41812600	6.95	19813	-0.037	-0.035	0.059	0.090	210.084142	2.674576	852.63	-288.76
6	GUIDE	41812672	9.18	19792	0.013	0.011	0.089	0.144	210.433277	2.688495	385.61	877.58
7	GUIDE	41817264	9.72	19768	-0.179	-0.092	0.107	0.174	210.440099	3.222215	-1434.13	256.47

## 2.4 Star Slots

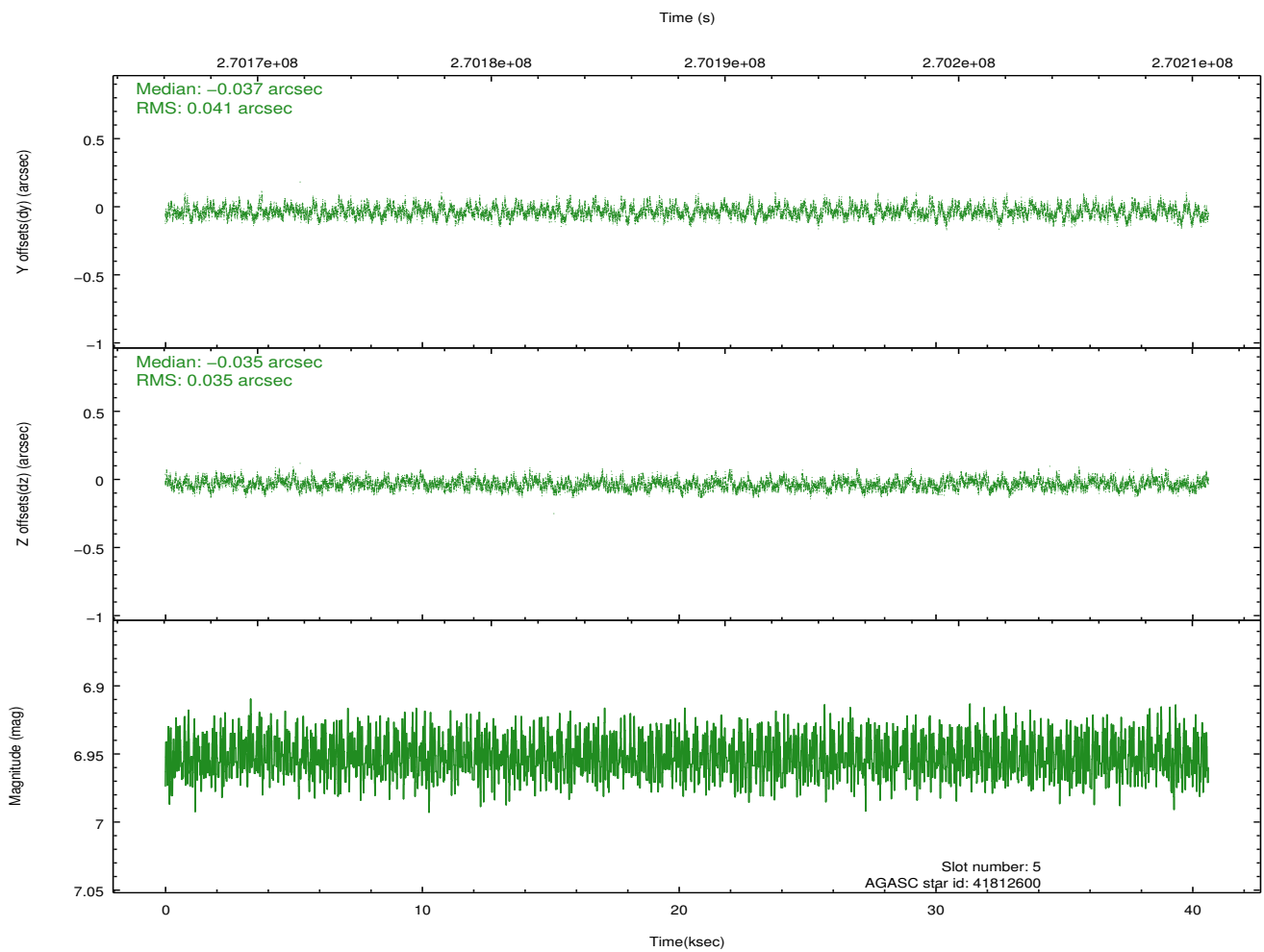
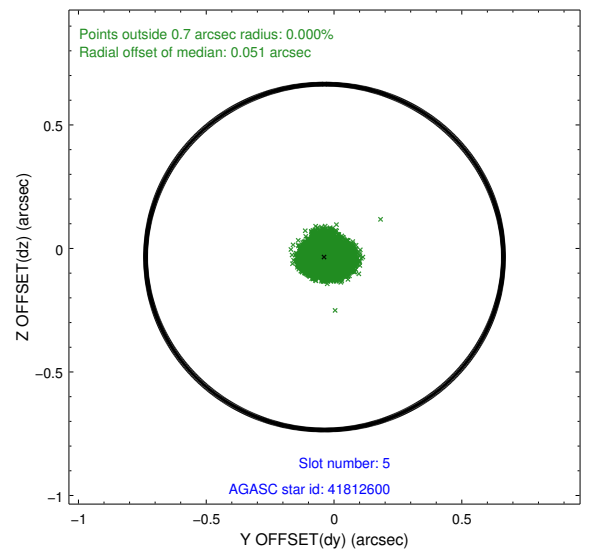
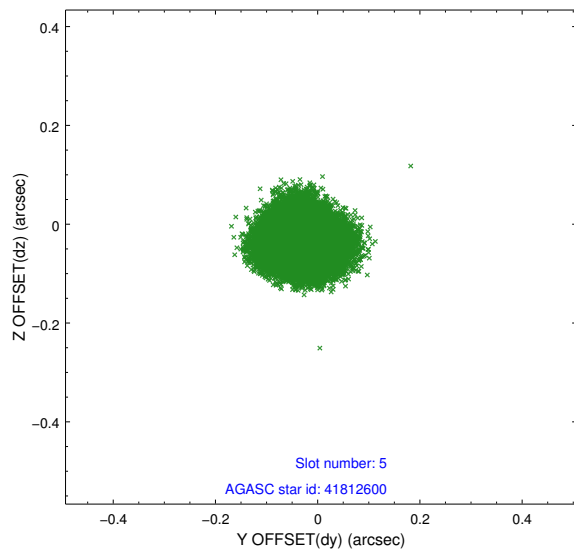
### 2.4.1 Slot 3



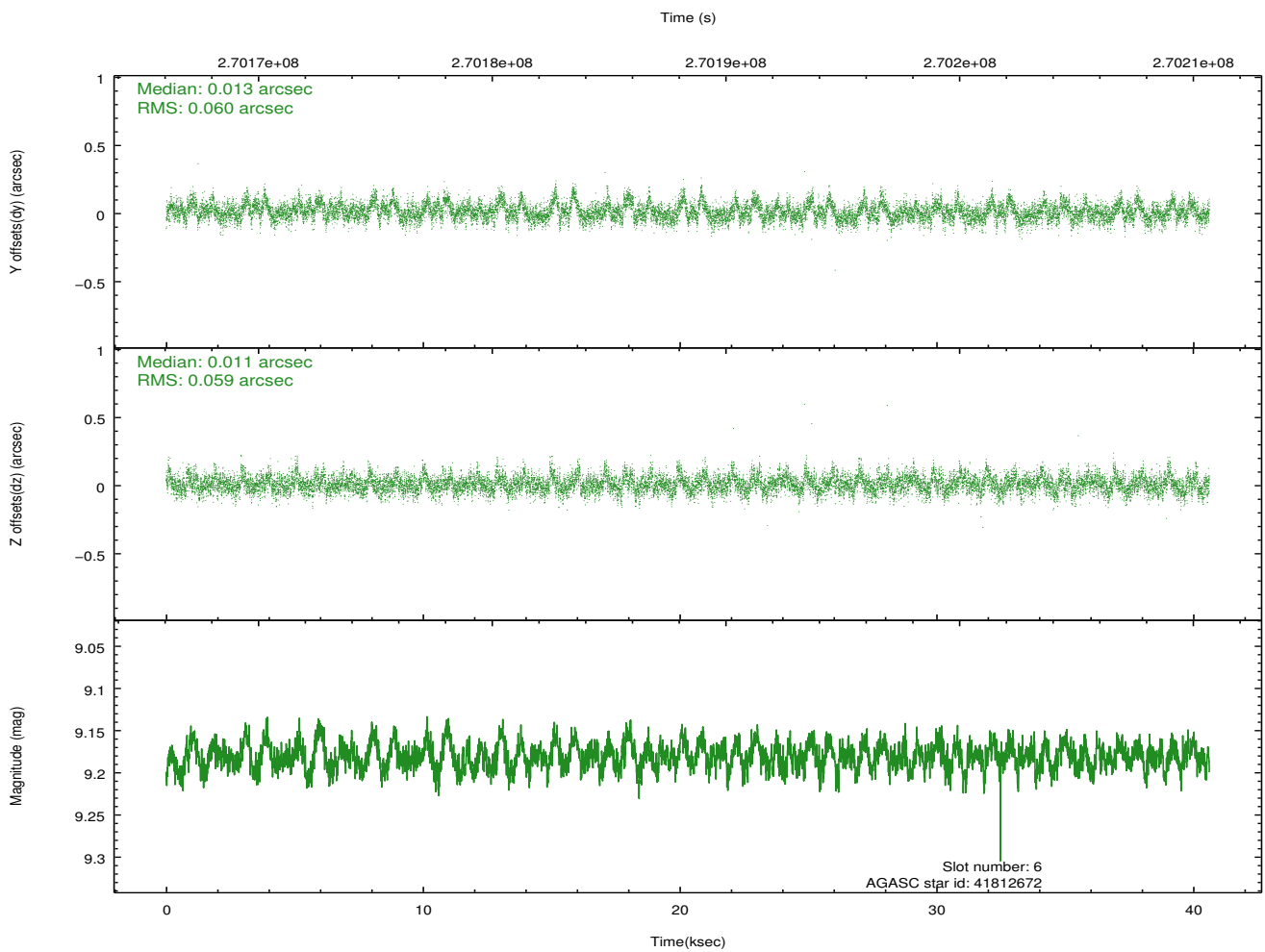
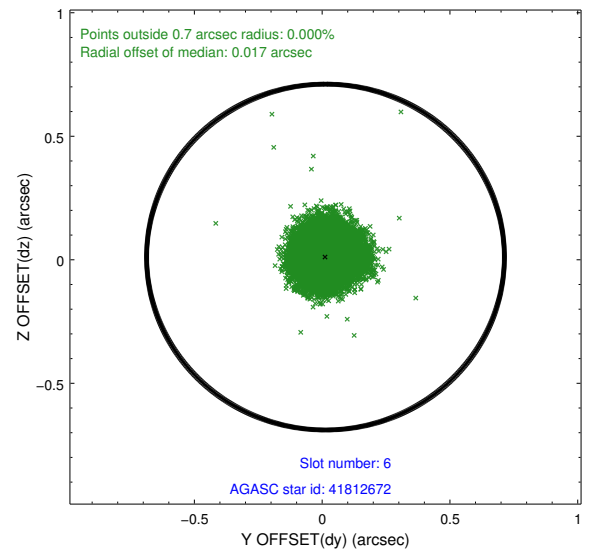
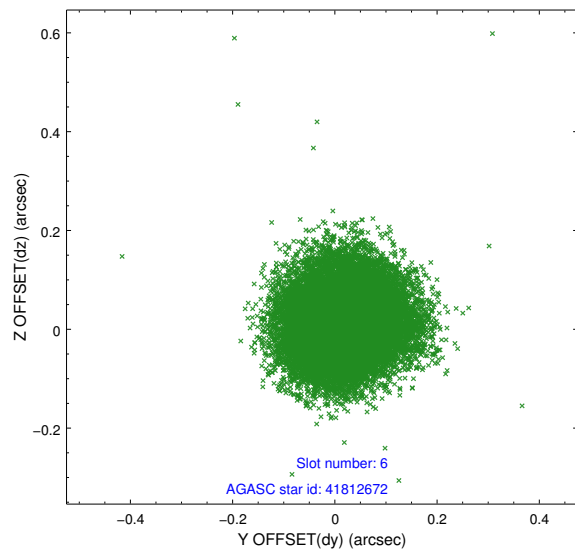
## 2.4.2 Slot 4



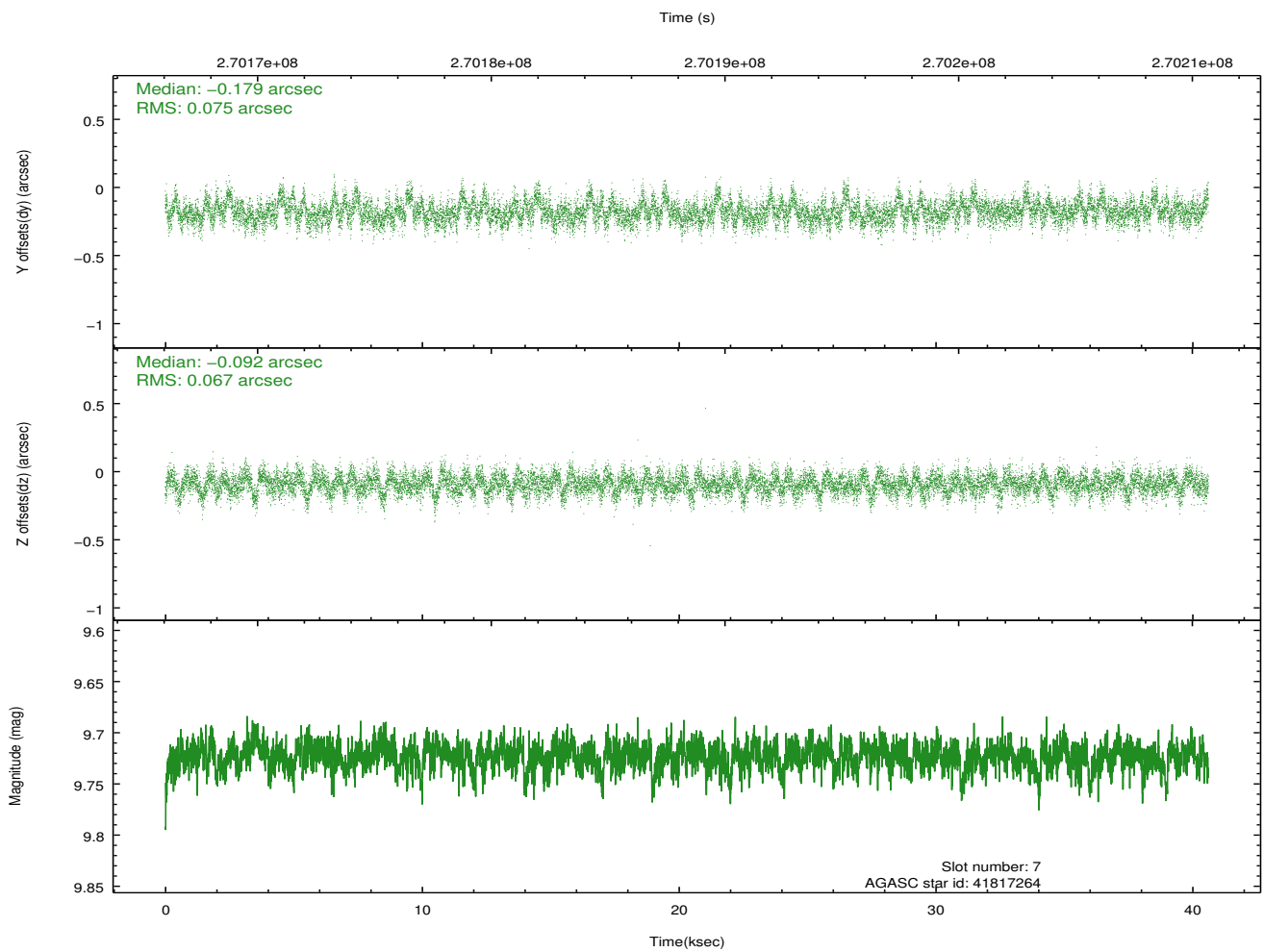
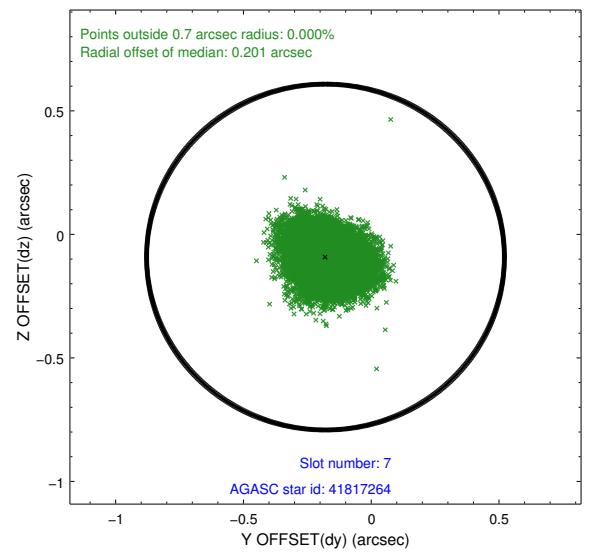
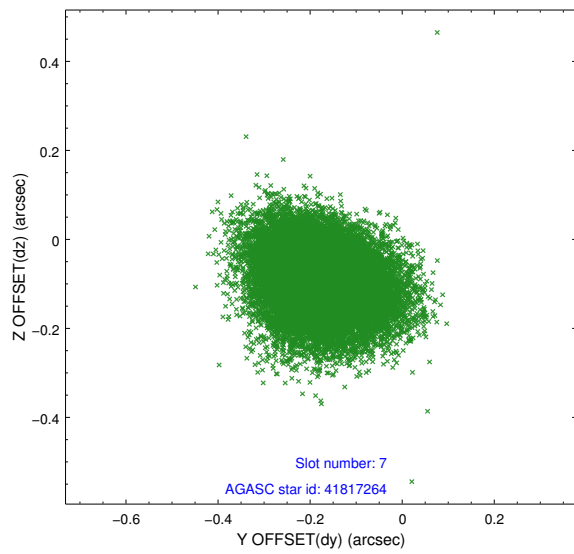
### 2.4.3 Slot 5



## 2.4.4 Slot 6

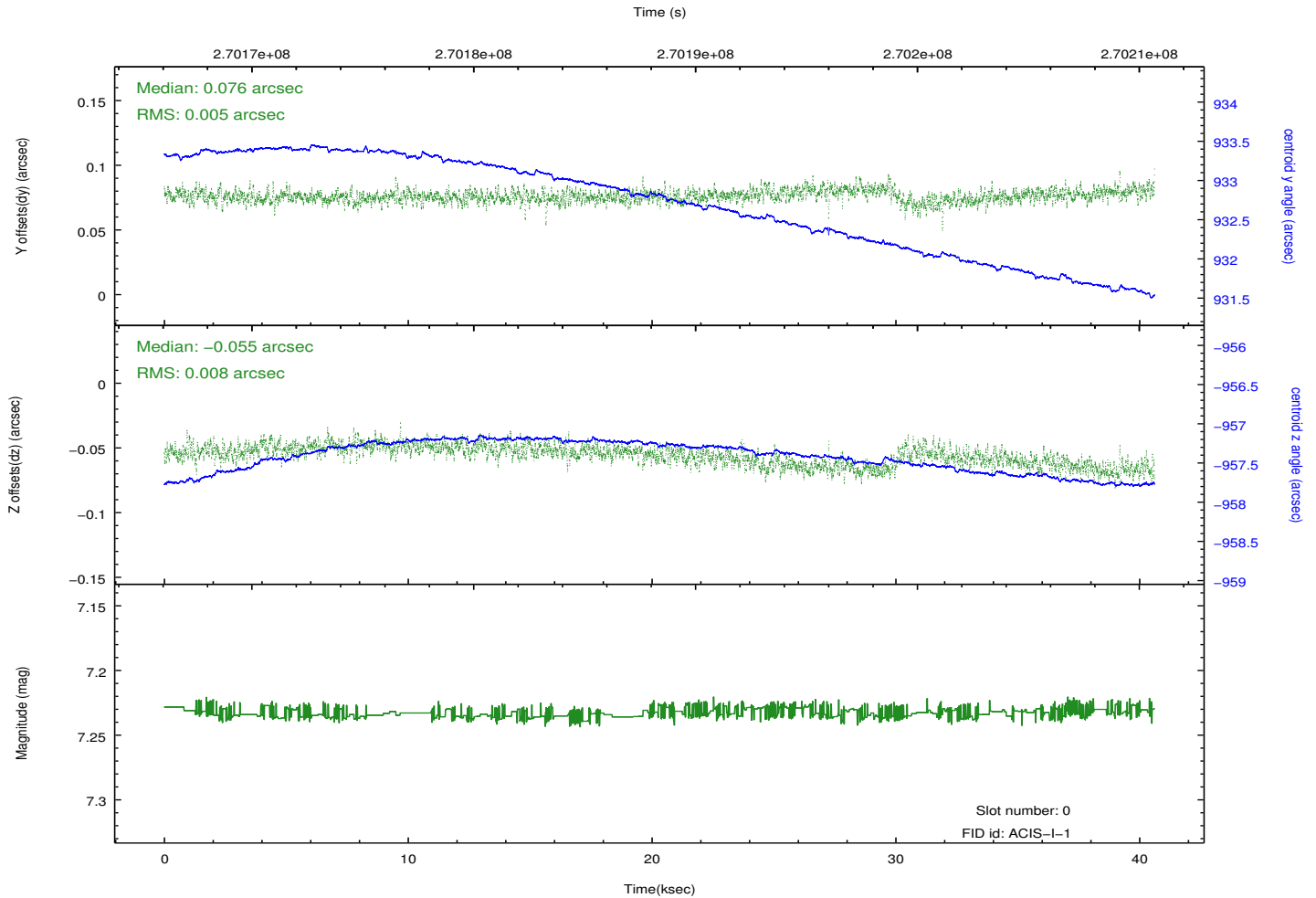
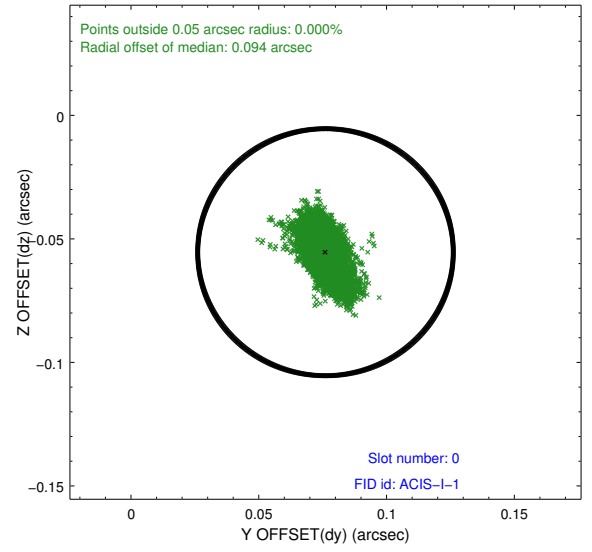
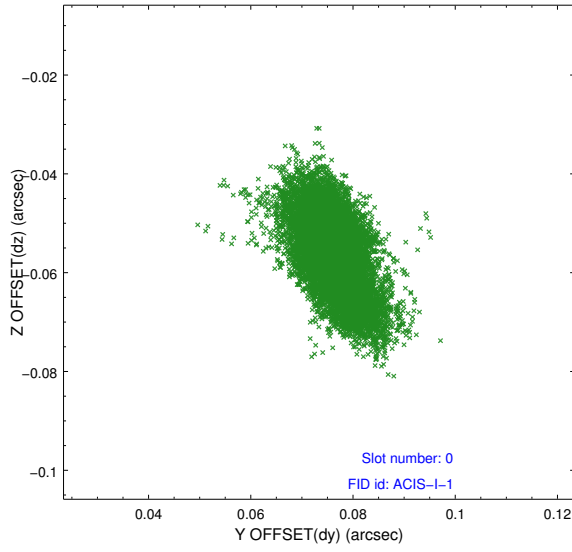


## 2.4.5 Slot 7

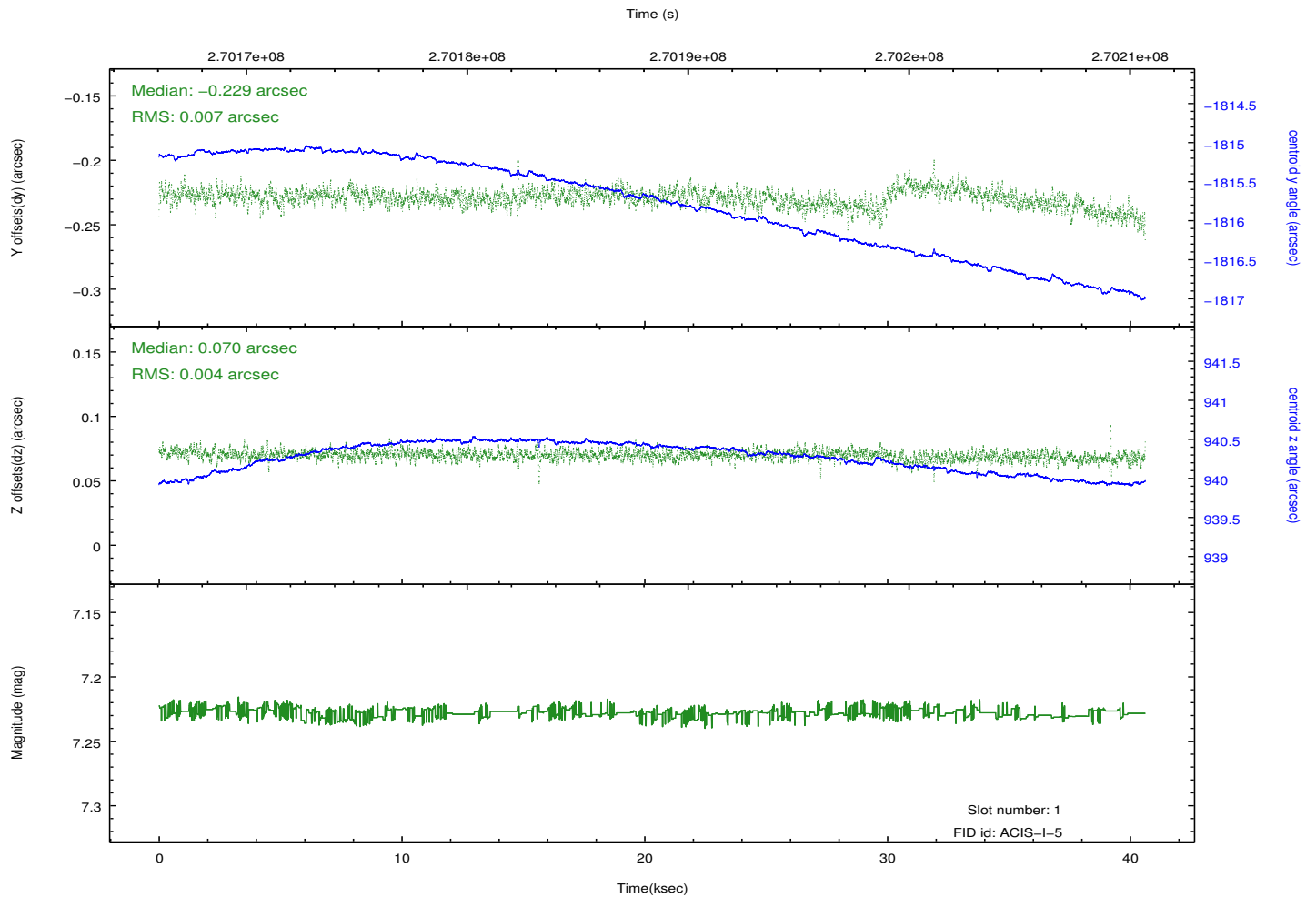
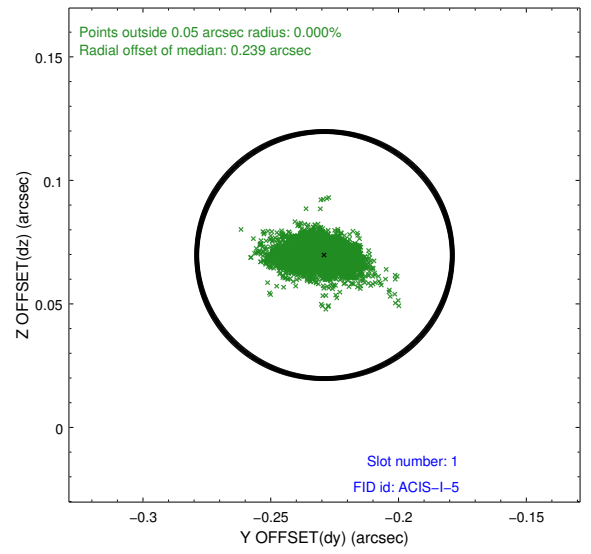
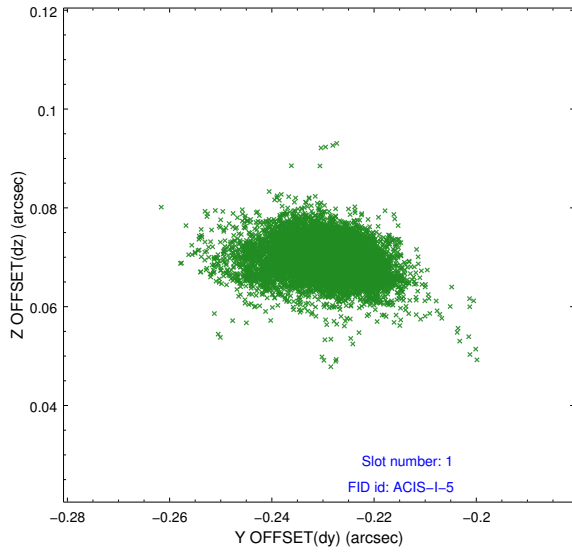


## 2.5 FID Slots

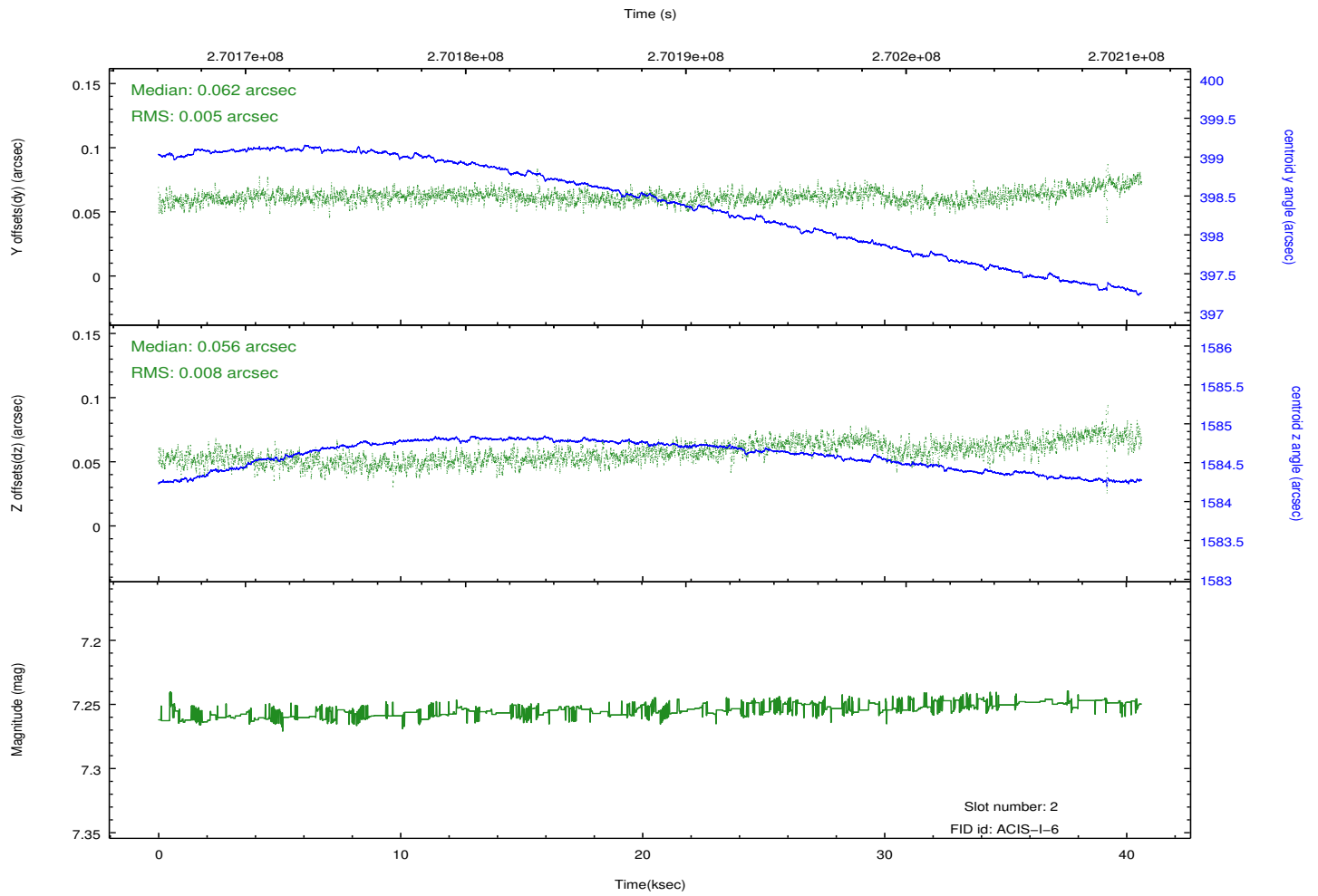
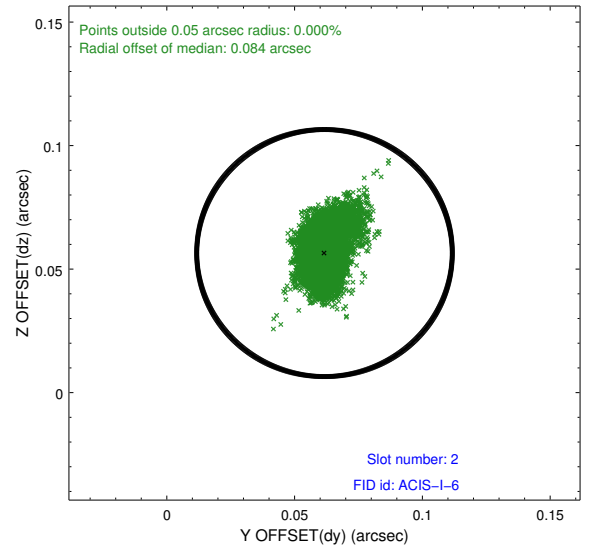
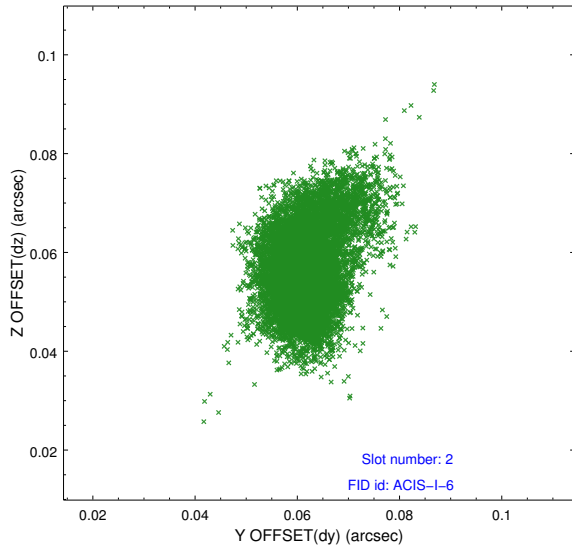
### 2.5.1 Slot 0



## 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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.0302593

### **A.2 Comments**