

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8633 - L2 Version 2  
Chandra X-Ray Center

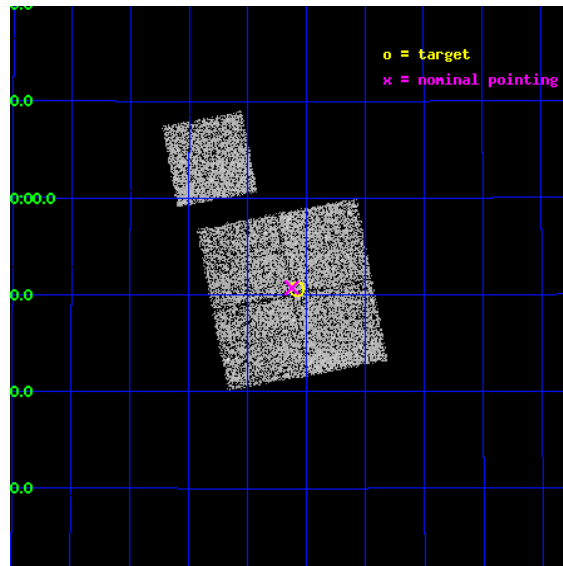
L2 Processing Date : May 5 2012

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# 1 Front

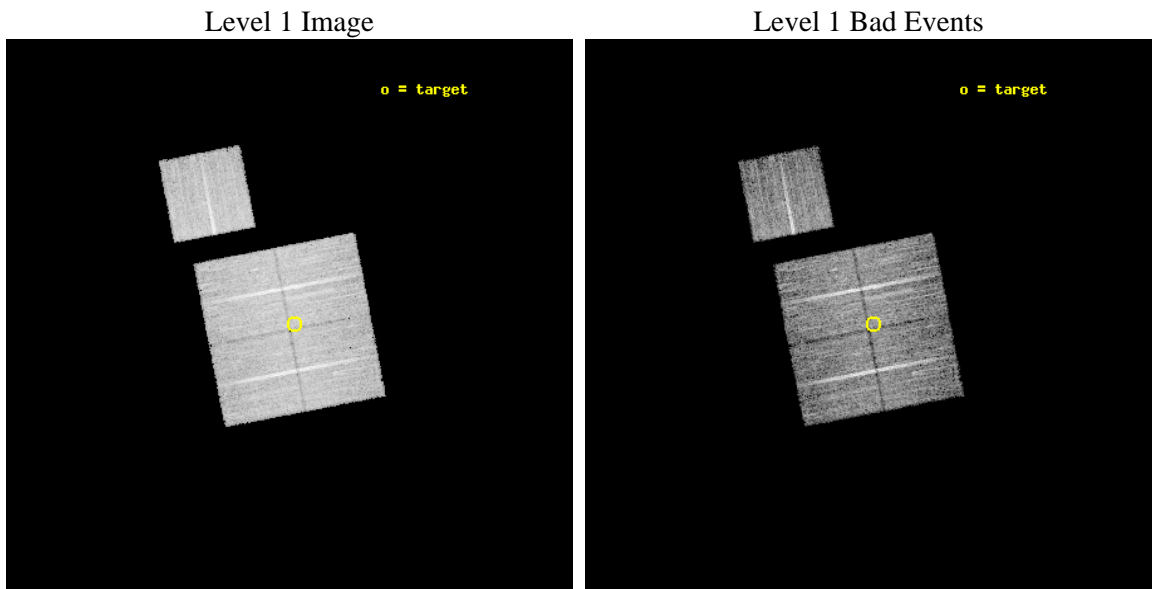
seq_num	900770	Sequence number
obs_id	8633	Observation id
title	Chandra Observations of the DEEP2 Fields	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	DEEP2 Field 2	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	253.14626	Observer's specified target RA [deg]
dec_targ	34.844659	Observer's specified target Dec [deg]
ra_nom	253.15600841709	Nominal RA [deg]
dec_nom	34.8455565358	Nominal Dec [deg]
roll_nom	349.10311036981	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8713.6990036368	Sum of GTIs [s]
livetime	8599.8481112224	Livetime [s]
ontime0	8710.4348934293	Sum of GTIs [s]
ontime1	8710.4759034514	Sum of GTIs [s]
ontime2	8710.5169038177	Sum of GTIs [s]
ontime3	8713.6990036368	Sum of GTIs [s]
ontime6	8716.6758039594	Sum of GTIs [s]
l2events	29065	Number of level 2 events



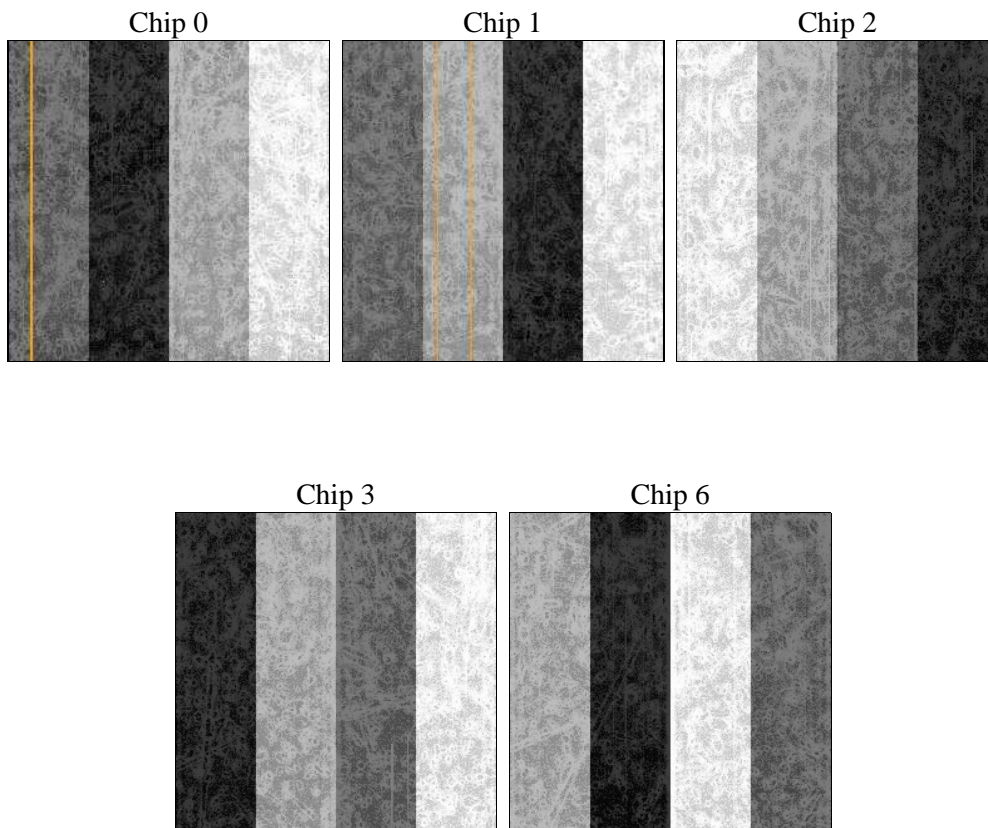
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8941.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8713.6990036368	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	8710.4348934293	Sum of GTIs [s]
date	2012-05-05T05:18:50	Date and time of file creation	ontime1	8710.4759034514	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8710.5169038177	Sum of GTIs [s]
			ontime3	8713.6990036368	Sum of GTIs [s]
			ontime6	8716.6758039594	Sum of GTIs [s]
			l1events	336831	Number of level 1 events

### 2.1.4 Events

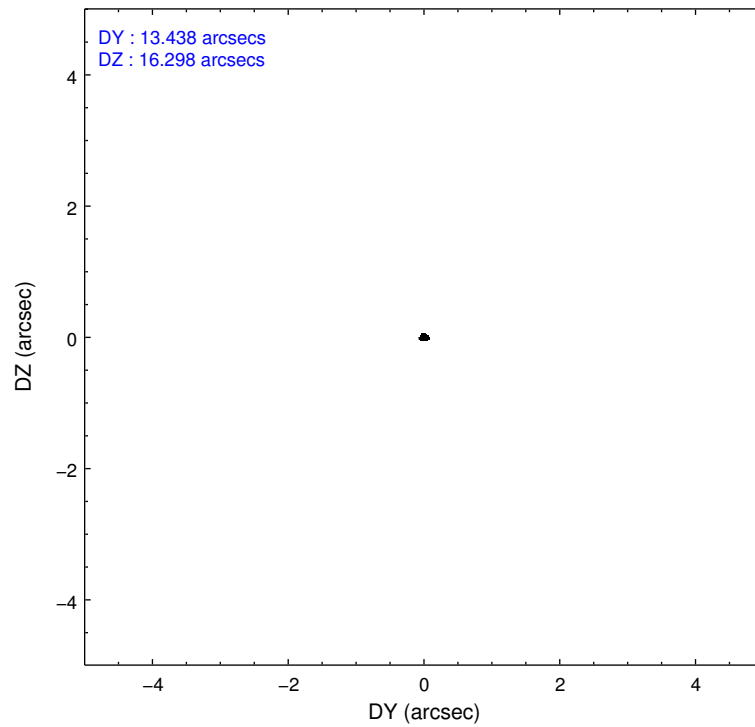
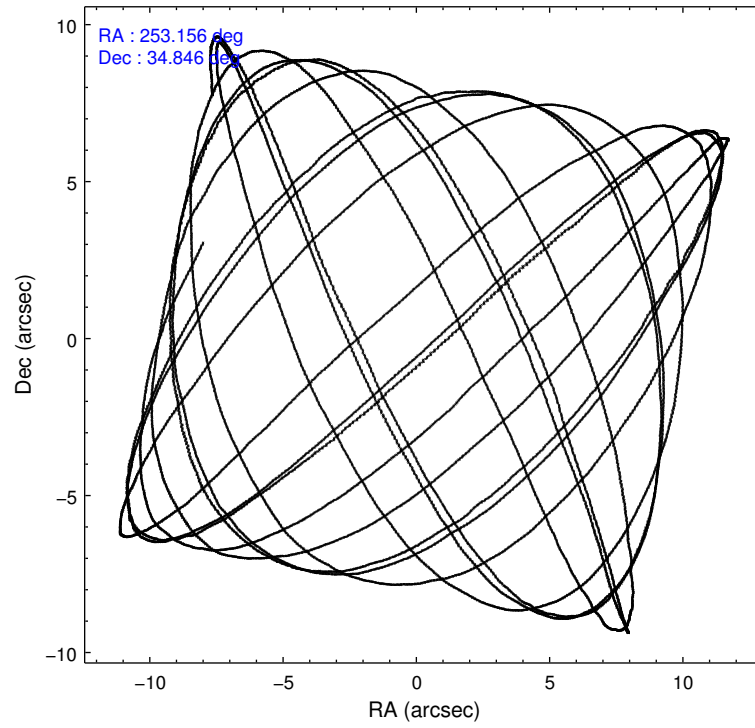
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	63208	62413	71822	71757	67631
rejected events	56306	54675	65091	65170	60569
rejected %	89%	87%	90%	90%	89%

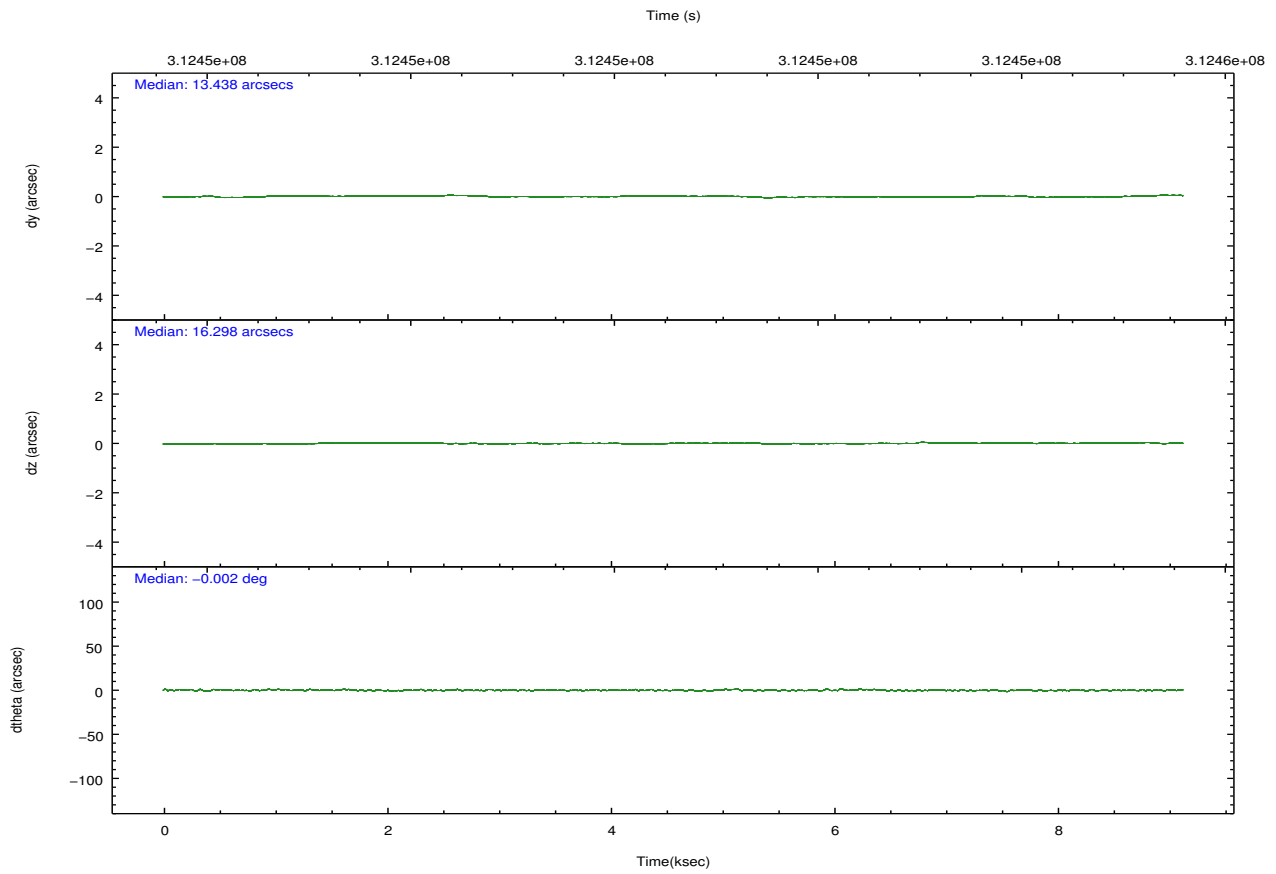
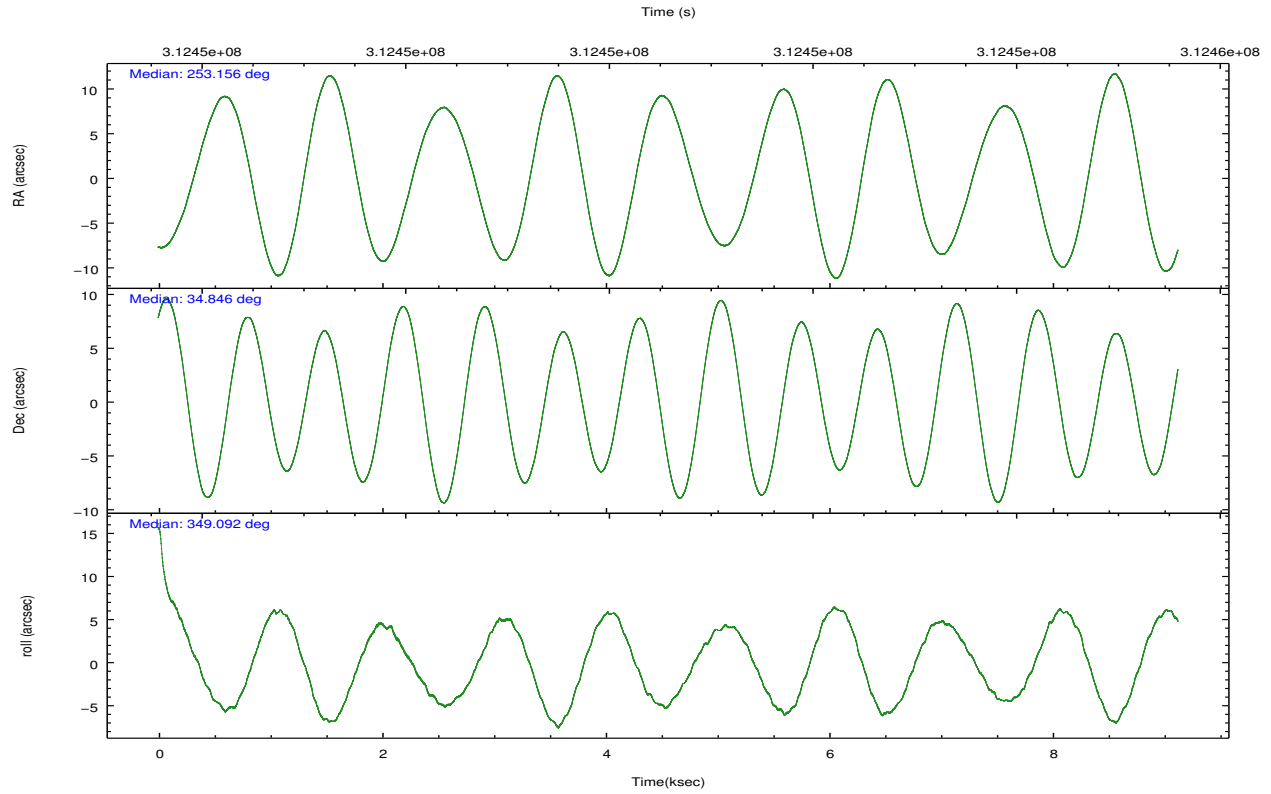
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2399	2774	2444	2369	2435
	3%	4%	3%	3%	3%
grade 1 events	38	27	35	39	34
	0%	0%	0%	0%	0%
grade 2 events	1619	1784	1667	1436	1548
	2%	2%	2%	2%	2%
grade 3 events	773	824	674	753	784
	1%	1%	0%	1%	1%
grade 4 events	741	809	756	748	800
	1%	1%	1%	1%	1%
grade 5 events	2523	2623	2313	2821	2734
	3%	4%	3%	3%	4%
grade 6 events	1376	1552	1195	1285	1501
	2%	2%	1%	1%	2%
grade 7 events	53739	52020	62738	62306	57795
	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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	253.124434	253.1560084170906	CCD I2 on	Y	Y
[deg] Pointing Dec	34.836461	34.84555653579958	CCD I3 on	Y	Y
[deg] Pointing Roll	348.912467	349.1031103698073	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	312446189.184000	312445813.10361	CCD S5 on	N	N
Observation start date	2007-11-26T06:35:24	2007-11-26T06:30:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	312455130.184000	312455264.11657	On-chip summing requested	N	N
Observation end date	2007-11-26T09:04:25	2007-11-26T09:07:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

## 2.3 Aspect



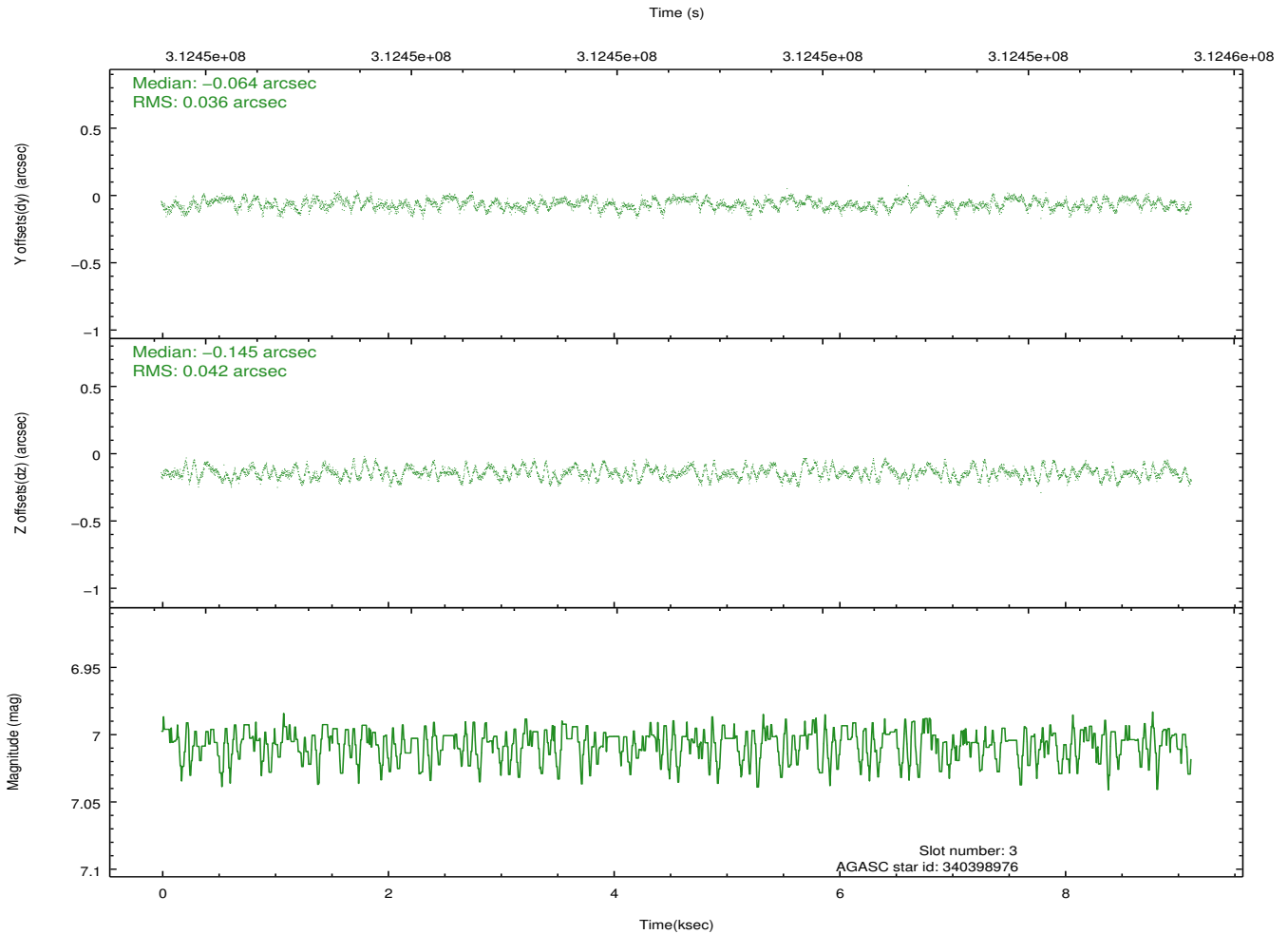
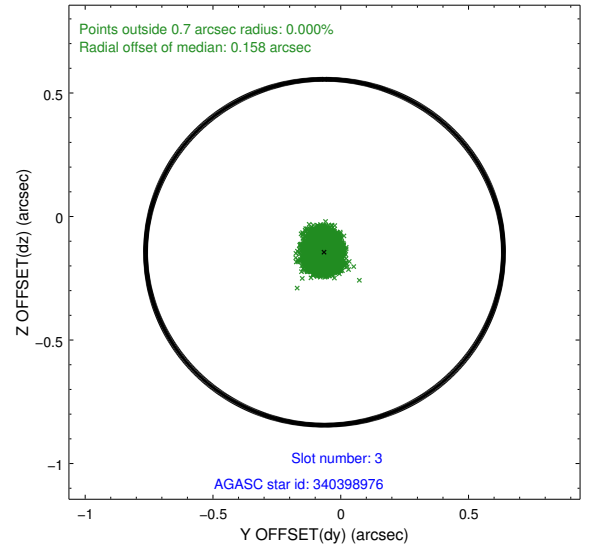
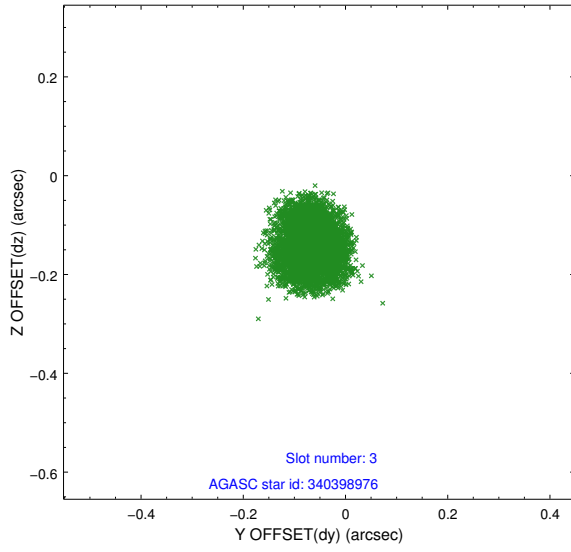


### Slot Statistics

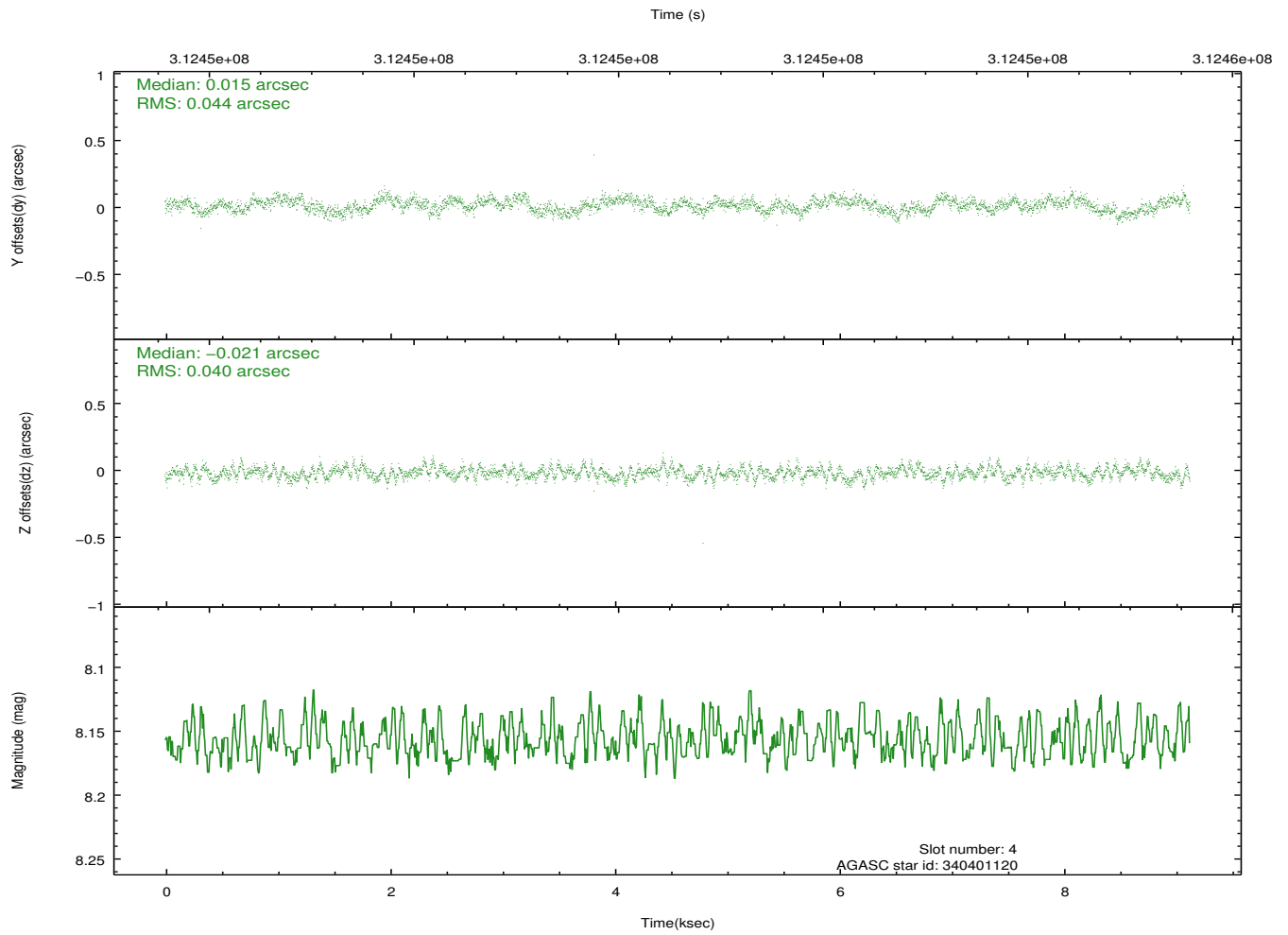
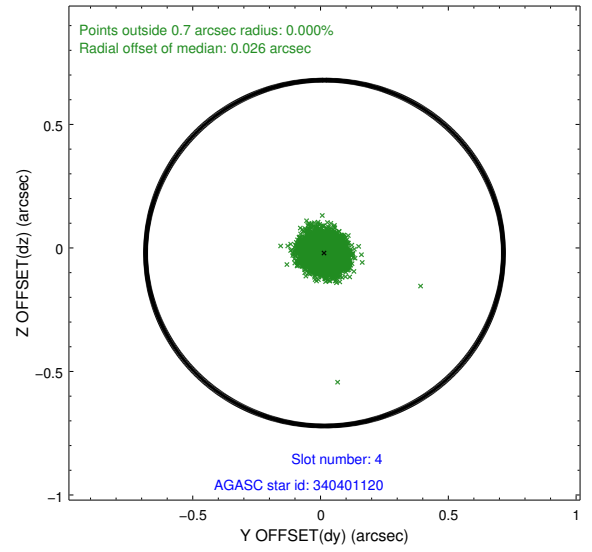
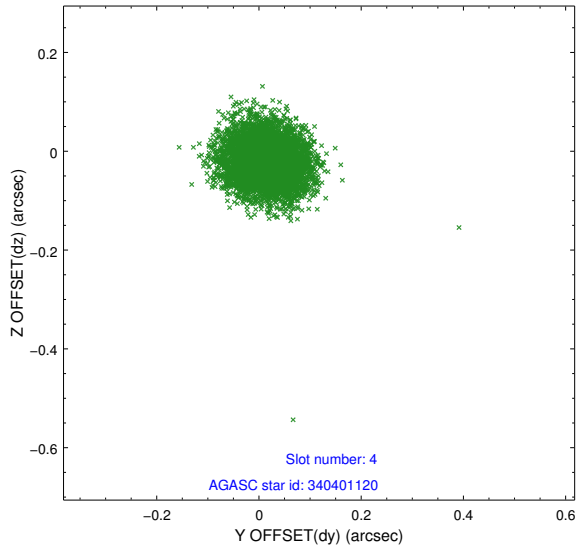
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	2225	-0.008	-0.087	0.008	0.013	0.000000	0.000000	926.05	-840.03
1	FID	ACIS-I-4	7.15	2226	0.167	0.088	0.007	0.012	0.000000	0.000000	2146.61	1059.64
2	FID	ACIS-I-5	7.22	2226	-0.257	0.070	0.007	0.012	0.000000	0.000000	-1821.42	1058.19
3	GUIDE	340398976	7.01	4453	-0.064	-0.145	0.061	0.091	253.047352	35.489638	-673.97	2264.12
4	GUIDE	340401120	8.16	4453	0.015	-0.021	0.064	0.099	253.574895	35.128140	1099.40	1289.25
5	GUIDE	340404480	8.09	4451	-0.153	0.101	0.071	0.109	252.719113	34.236377	-767.86	-2349.16
6	GUIDE	340405600	8.12	4450	-0.046	0.132	0.076	0.125	252.813465	34.289368	-529.10	-2108.77
7	GUIDE	340396296	8.47	4448	0.252	-0.068	0.080	0.136	253.758535	34.097793	2365.46	-2240.99

## 2.4 Star Slots

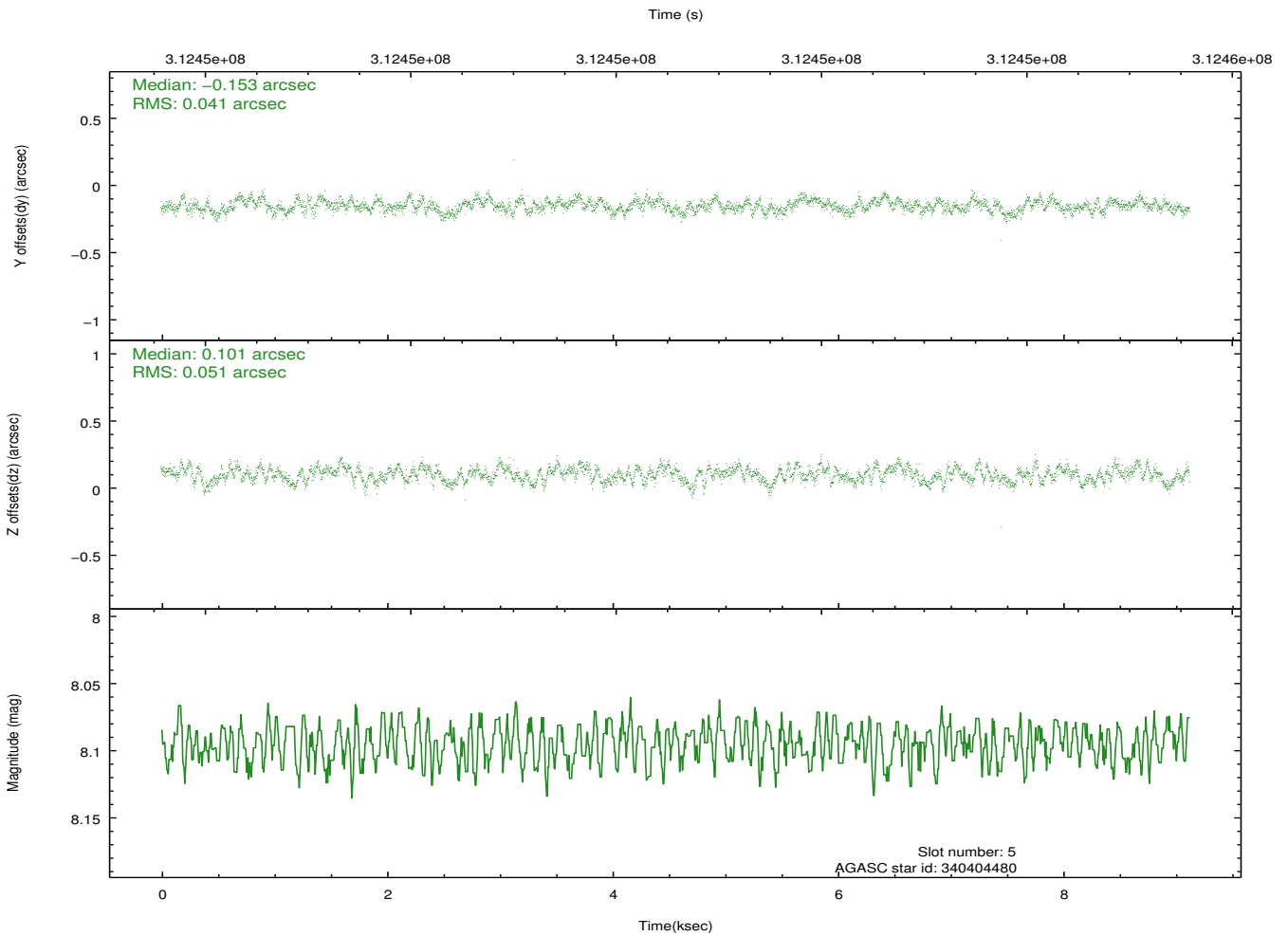
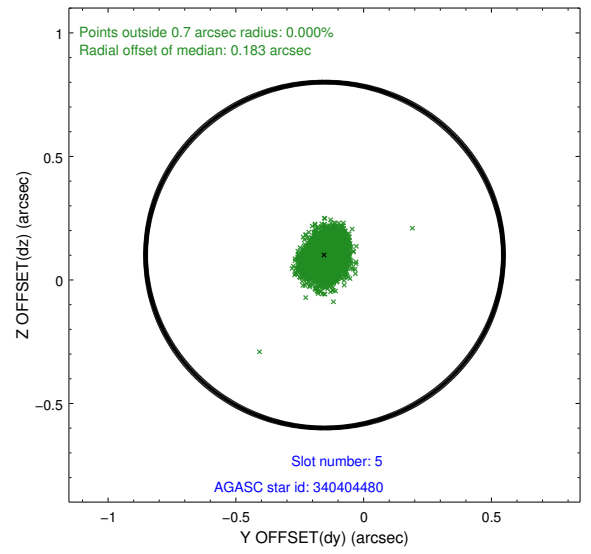
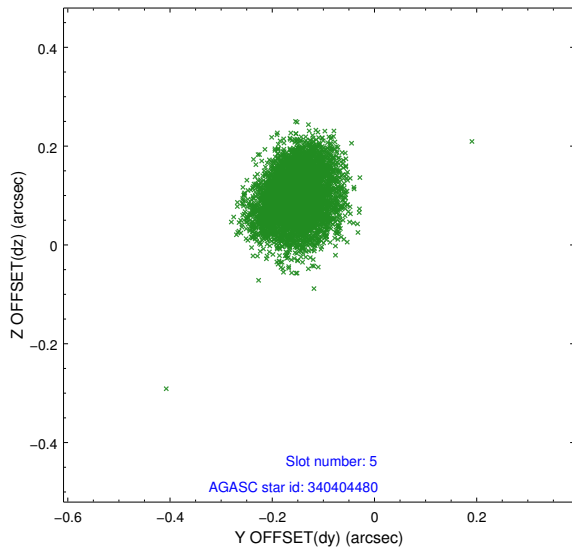
### 2.4.1 Slot 3



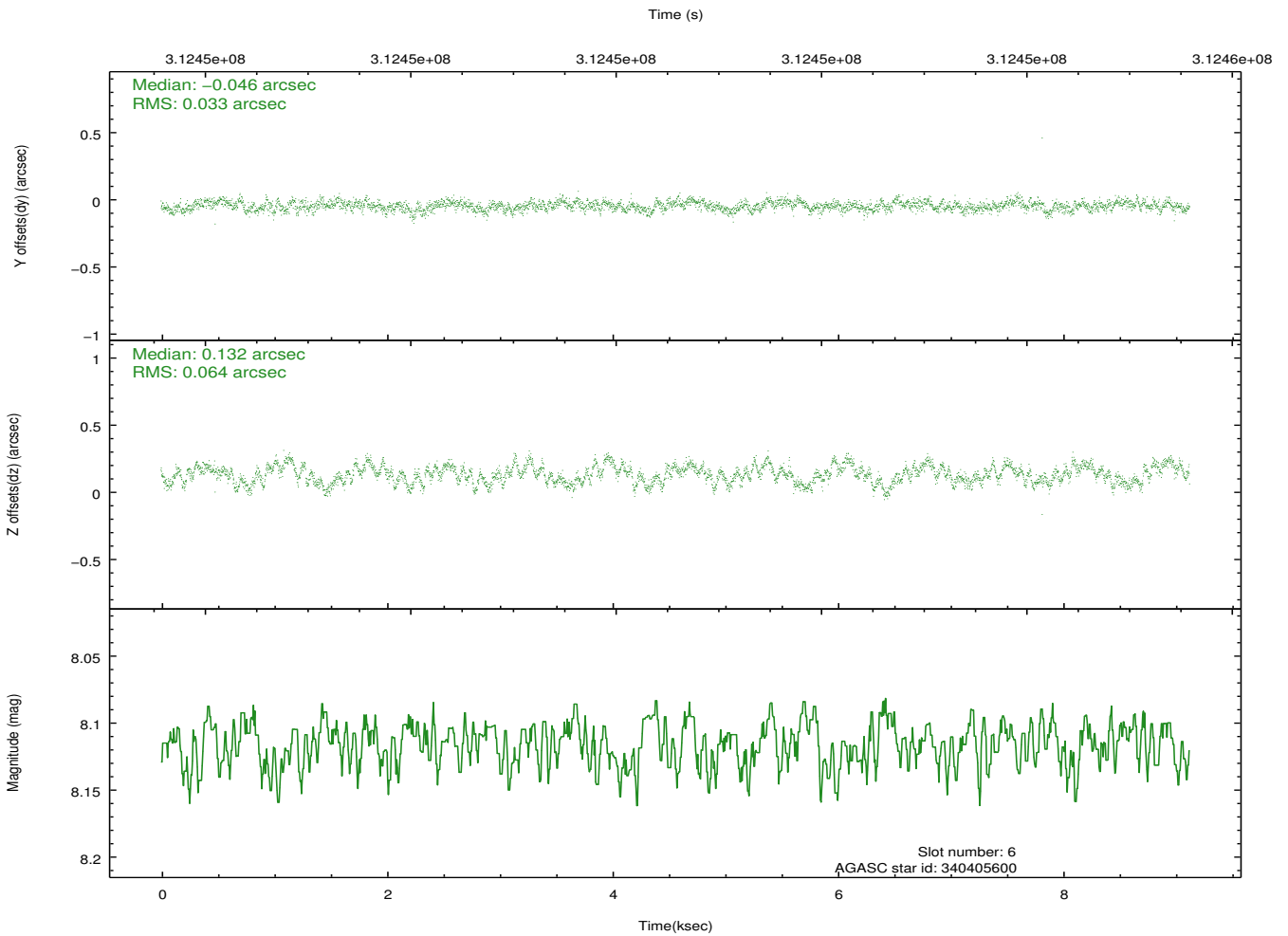
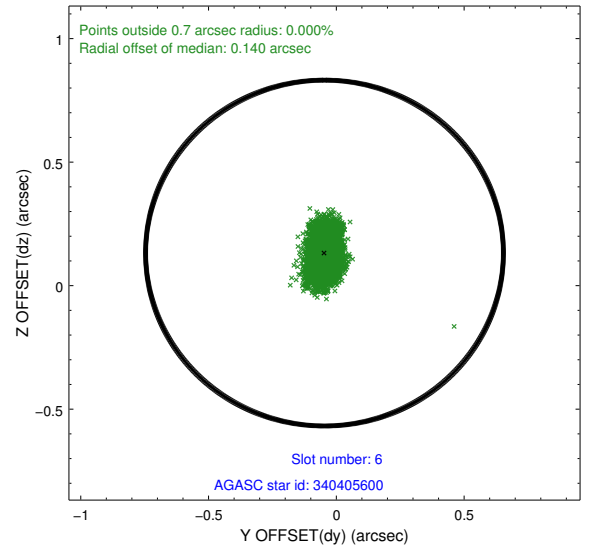
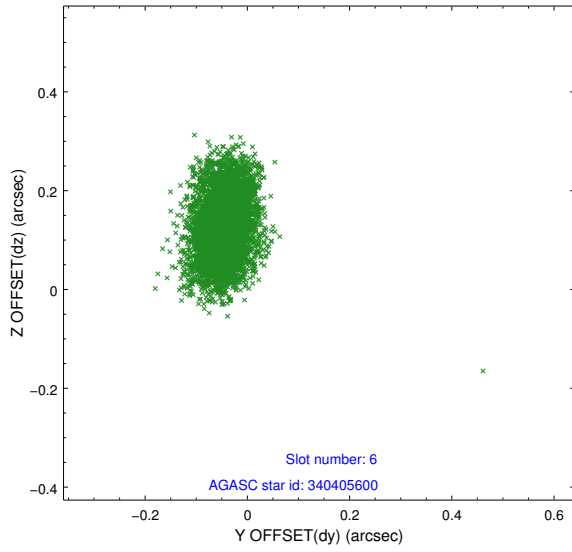
## 2.4.2 Slot 4



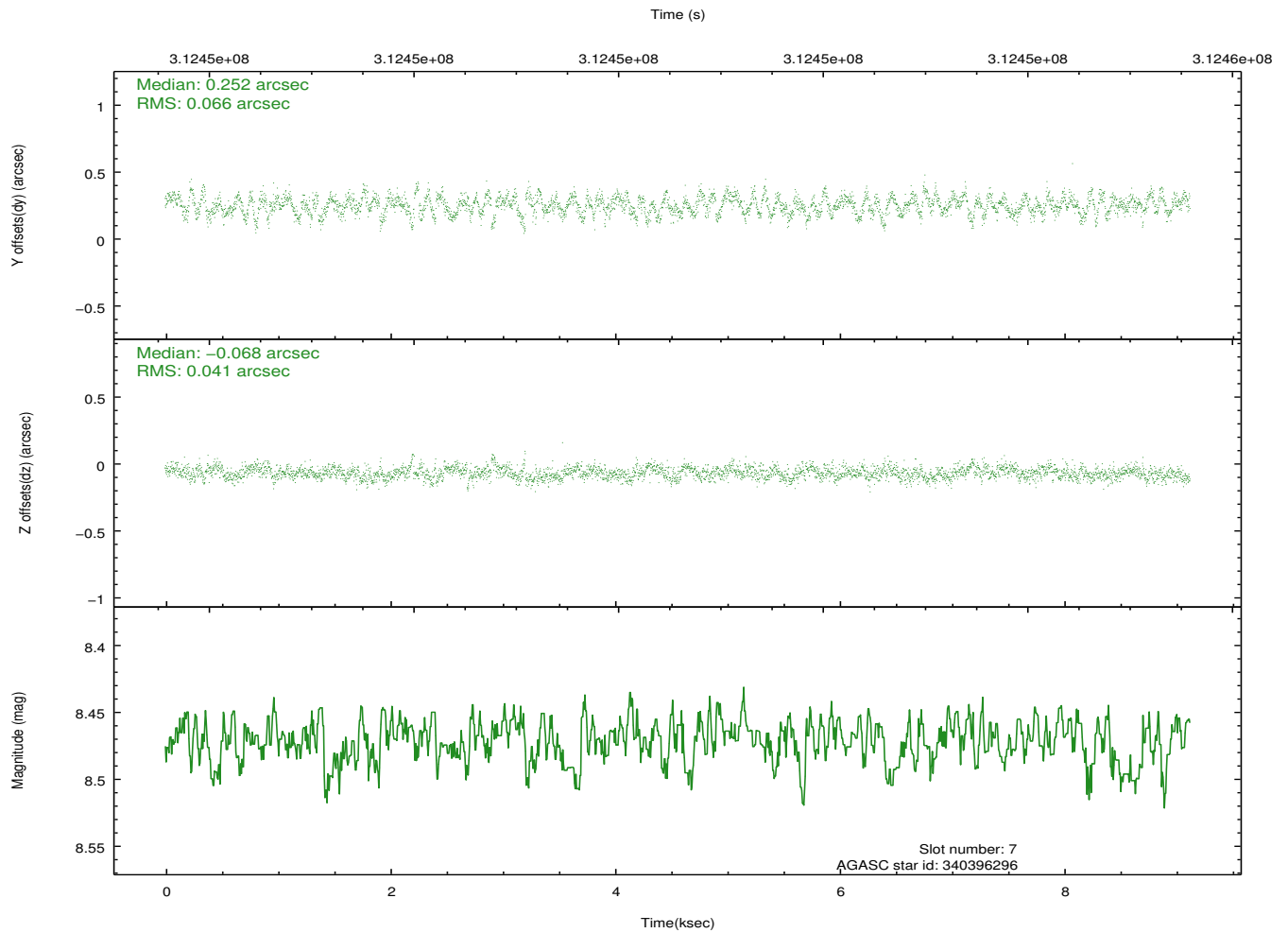
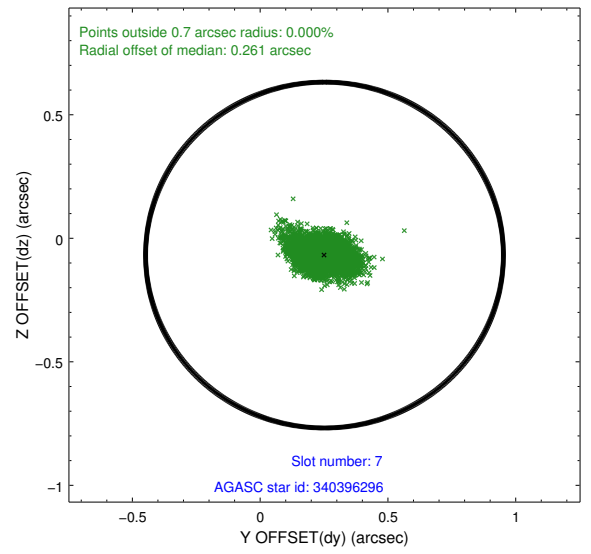
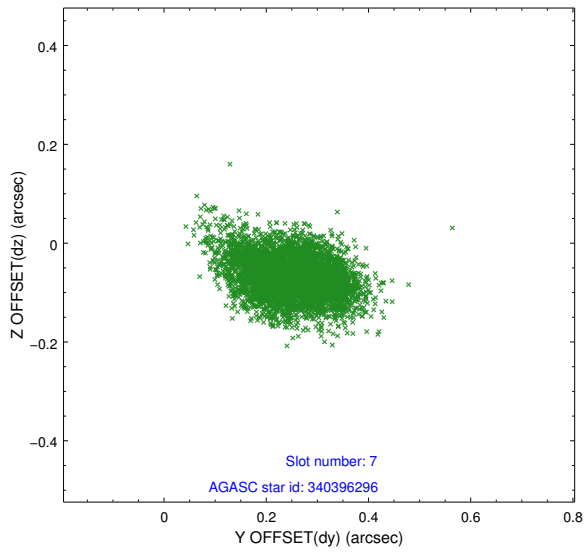
### 2.4.3 Slot 5



### 2.4.4 Slot 6

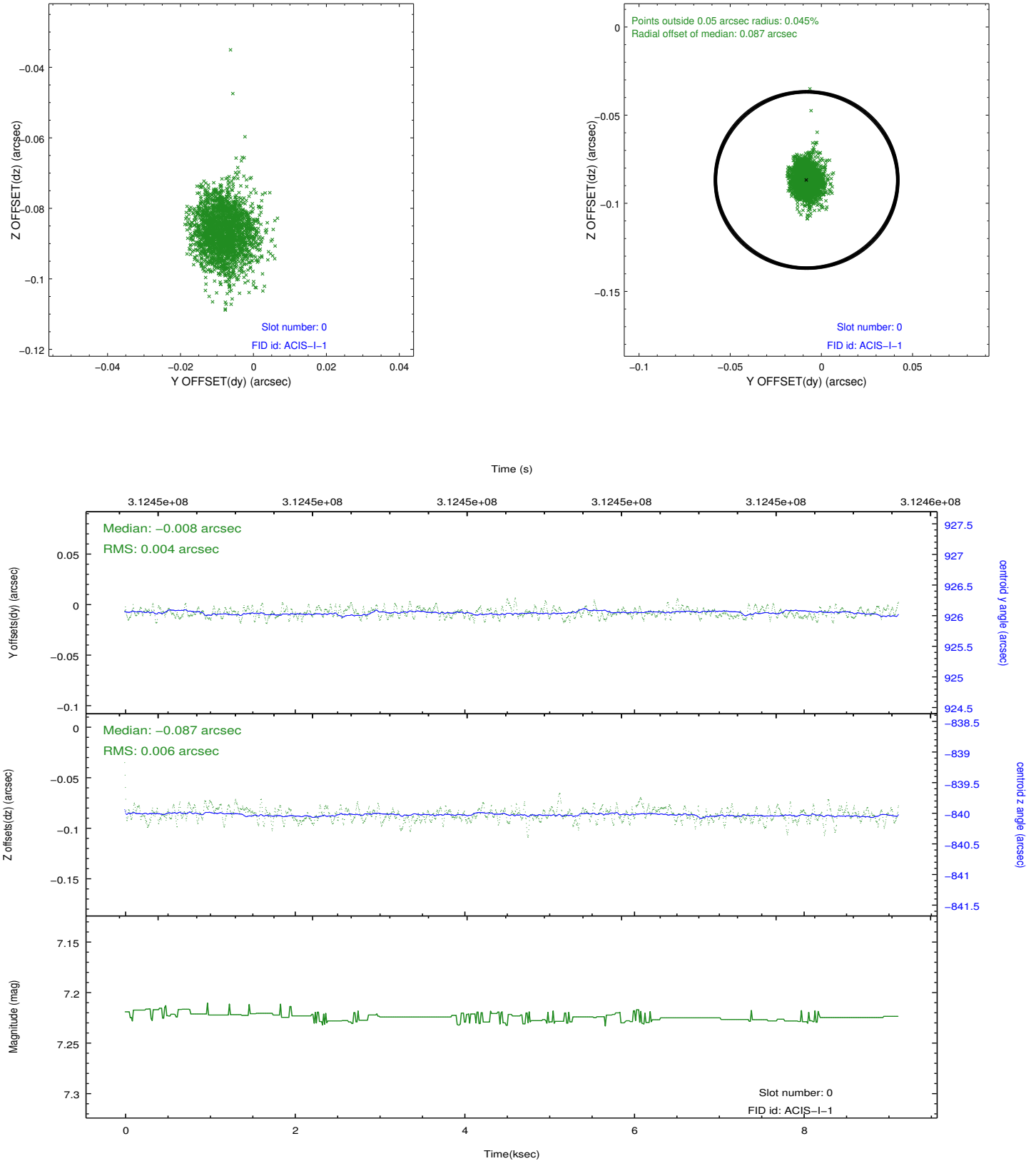


### 2.4.5 Slot 7

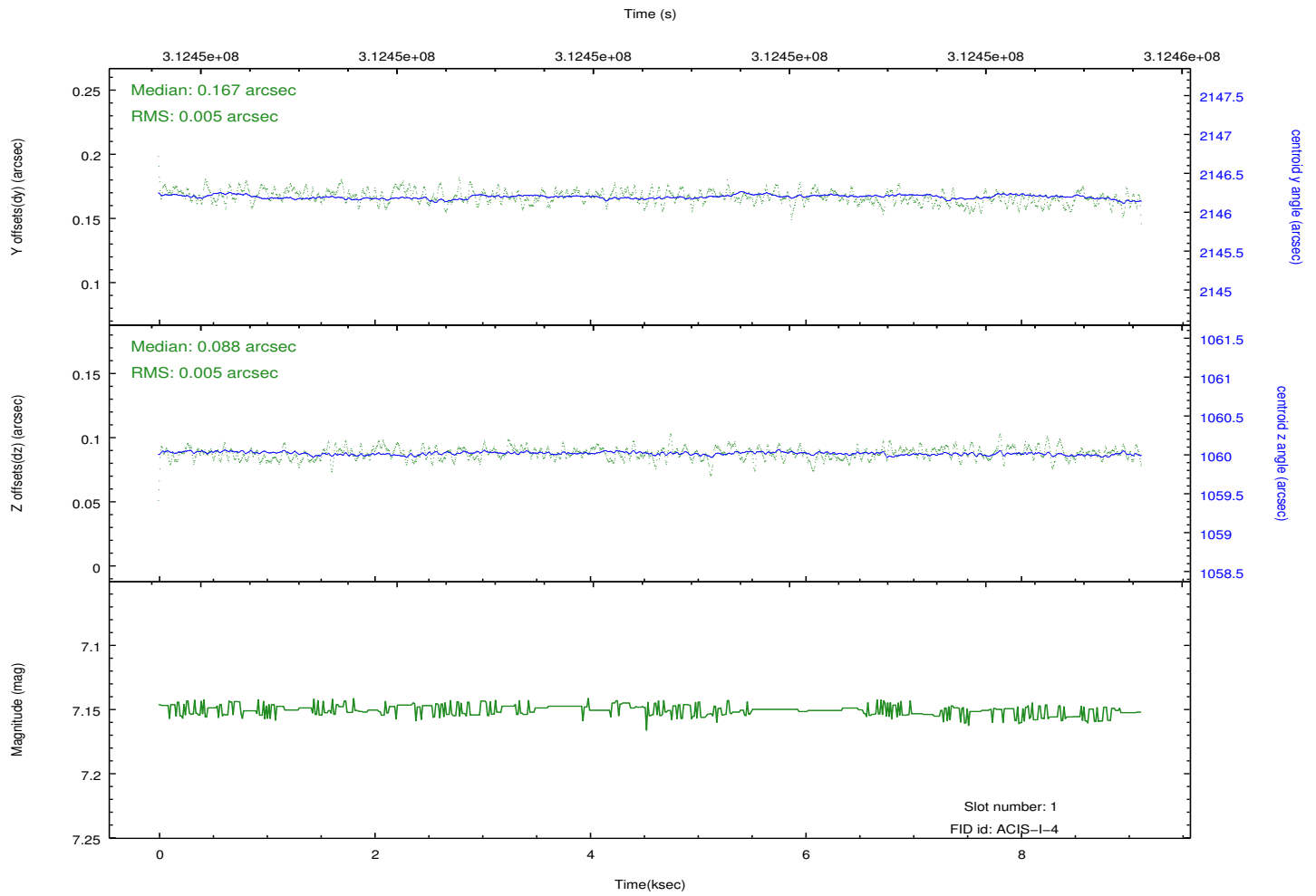
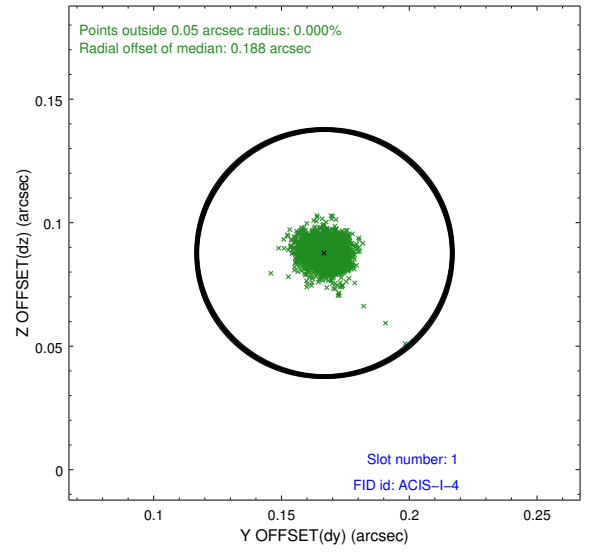
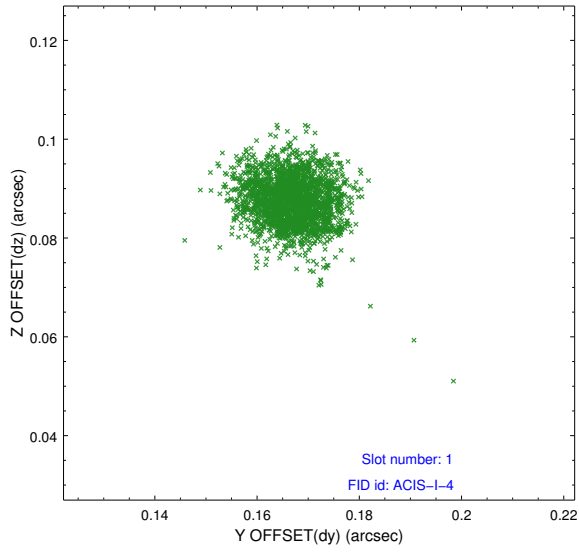


## 2.5 FID Slots

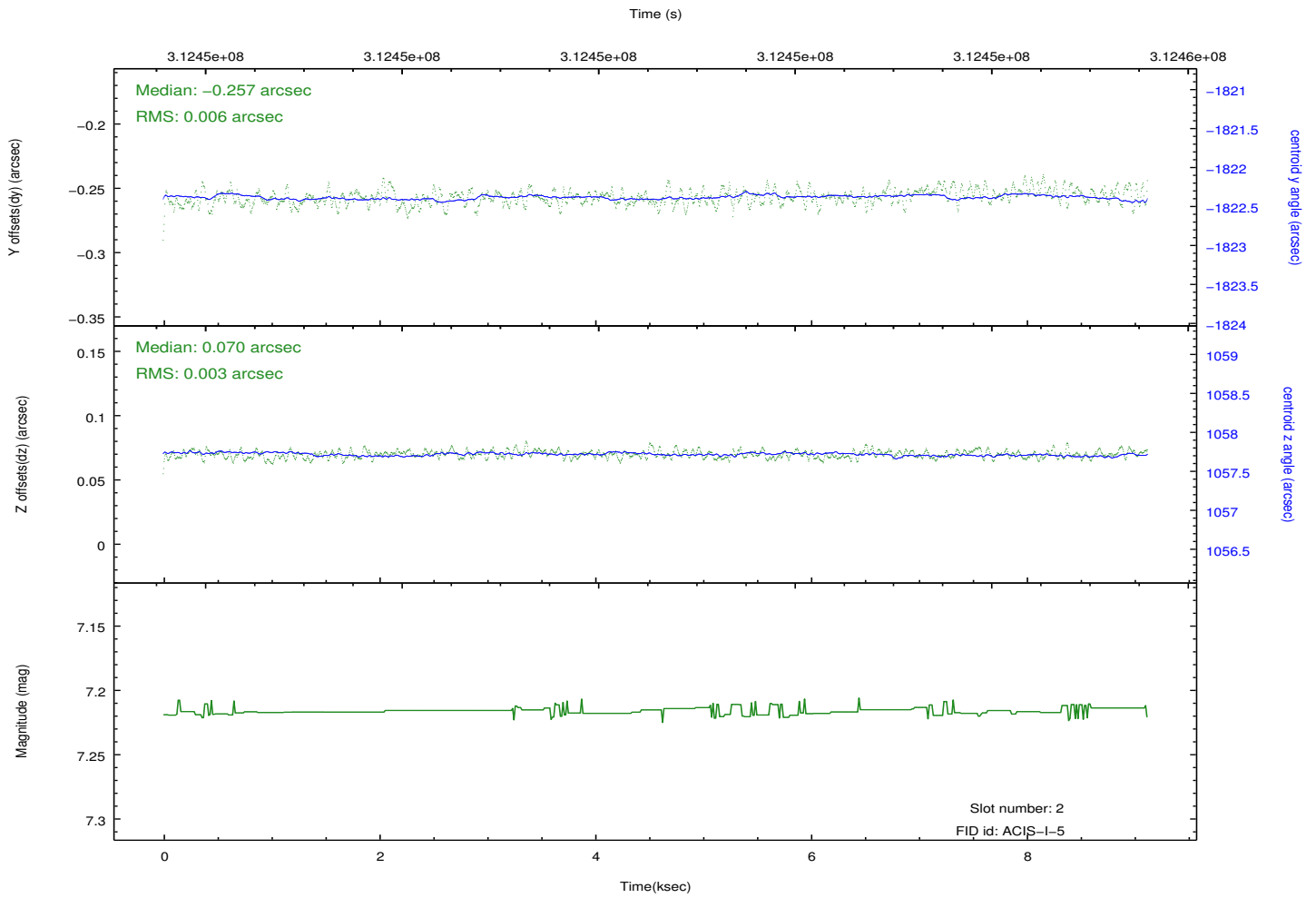
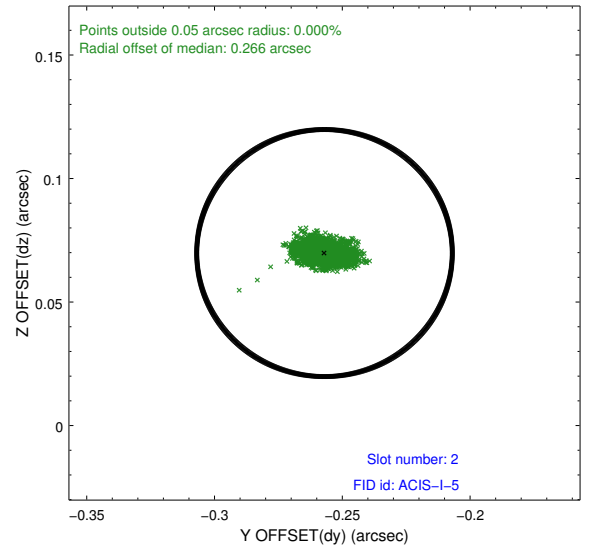
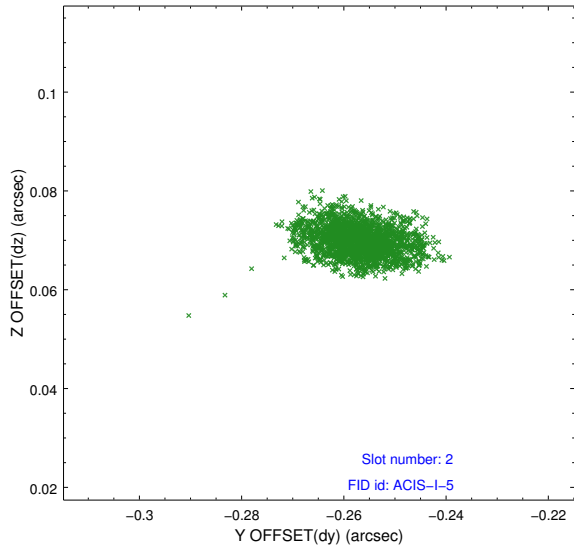
### 2.5.1 Slot 0



## 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)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.7140591

## A.2 Comments