

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 5866 - L2 Version 2  
Chandra X-Ray Center

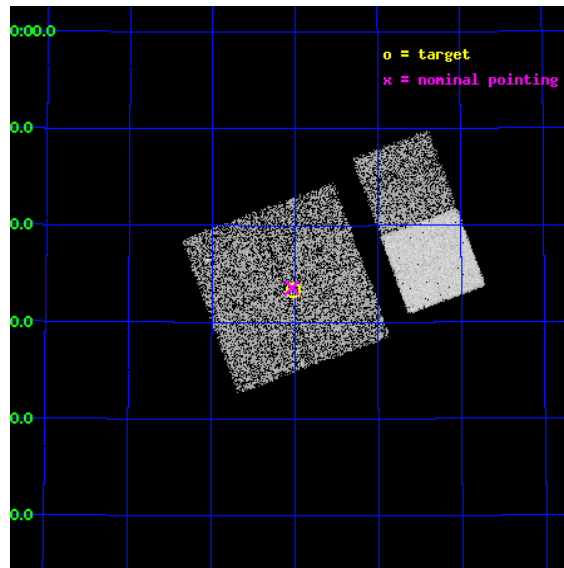
L2 Processing Date : Mar 24 2012

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# 1 Front

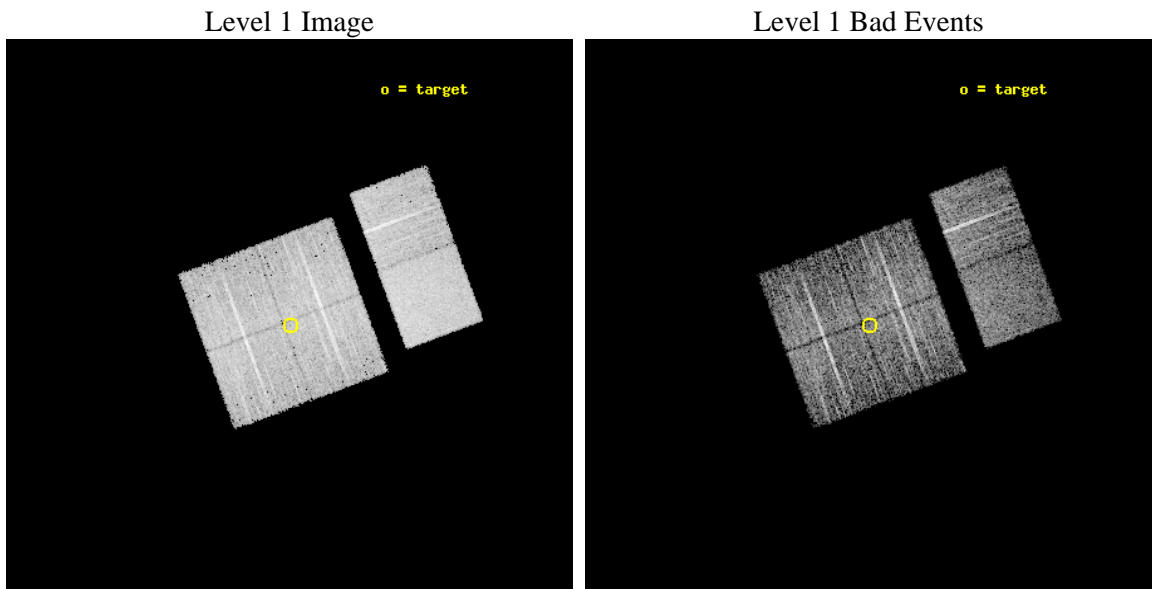
seq_num	900366	Sequence number
obs_id	5866	Observation id
title	The Spectral Energy Distributions of AGN: A Shallow Survey of the ELAIS-N1 Field	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	N1_12	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	242.25375	Observer's specified target RA [deg]
dec_targ	54.556194	Observer's specified target Dec [deg]
ra_nom	242.25909340721	Nominal RA [deg]
dec_nom	54.559554222387	Nominal Dec [deg]
roll_nom	69.67076074281	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4959.9999815226	Sum of GTIs [s]
livetime	4897.1934752031	Livetime [s]
ontime0	4959.9999815226	Sum of GTIs [s]
ontime1	4959.9999815226	Sum of GTIs [s]
ontime2	4959.9999815226	Sum of GTIs [s]
ontime3	4959.9999815226	Sum of GTIs [s]
ontime6	4959.9999815226	Sum of GTIs [s]
ontime7	4959.9999815226	Sum of GTIs [s]
l2events	44375	Number of level 2 events



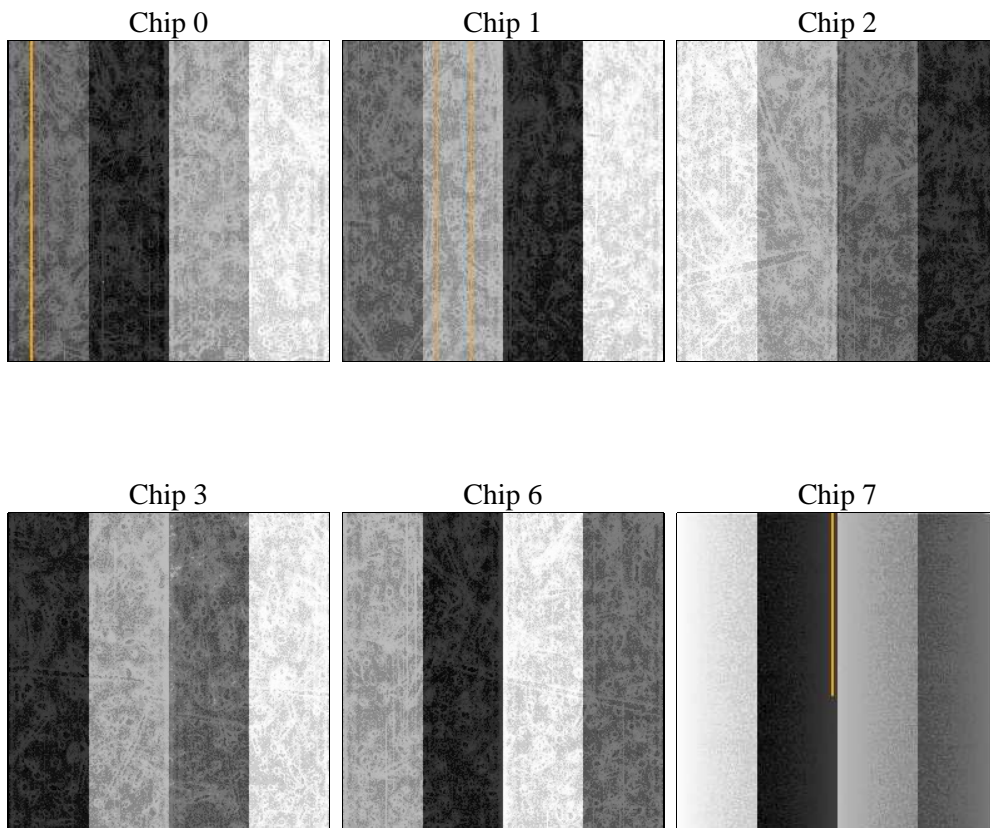
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4959.9999815226	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	4959.9999815226	Sum of GTIs [s]
date	2012-03-24T23:52:05	Date and time of file creation	ontime1	4959.9999815226	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4959.9999815226	Sum of GTIs [s]
			ontime3	4959.9999815226	Sum of GTIs [s]
			ontime6	4959.9999815226	Sum of GTIs [s]
			ontime7	4959.9999815226	Sum of GTIs [s]
			l1events	258419	Number of level 1 events

### 2.1.4 Events

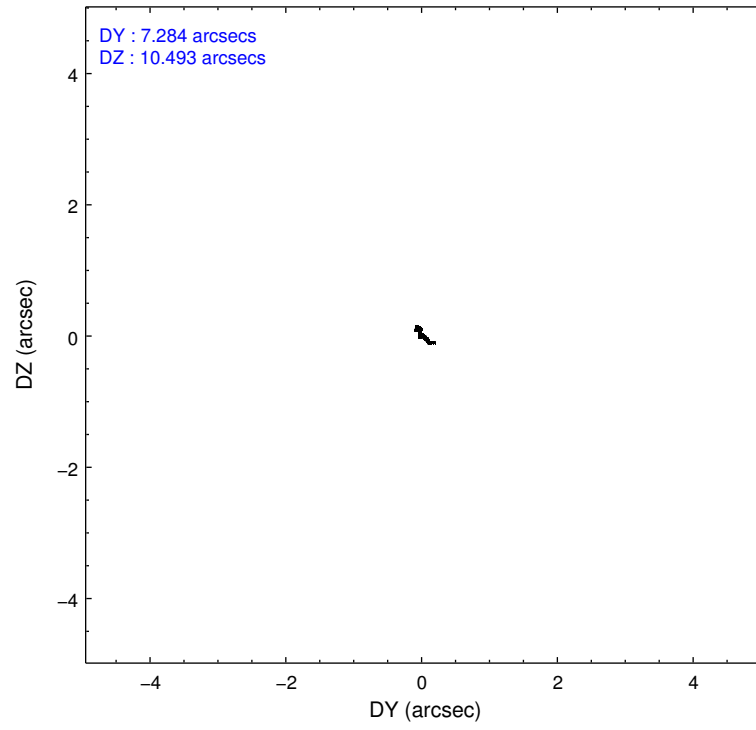
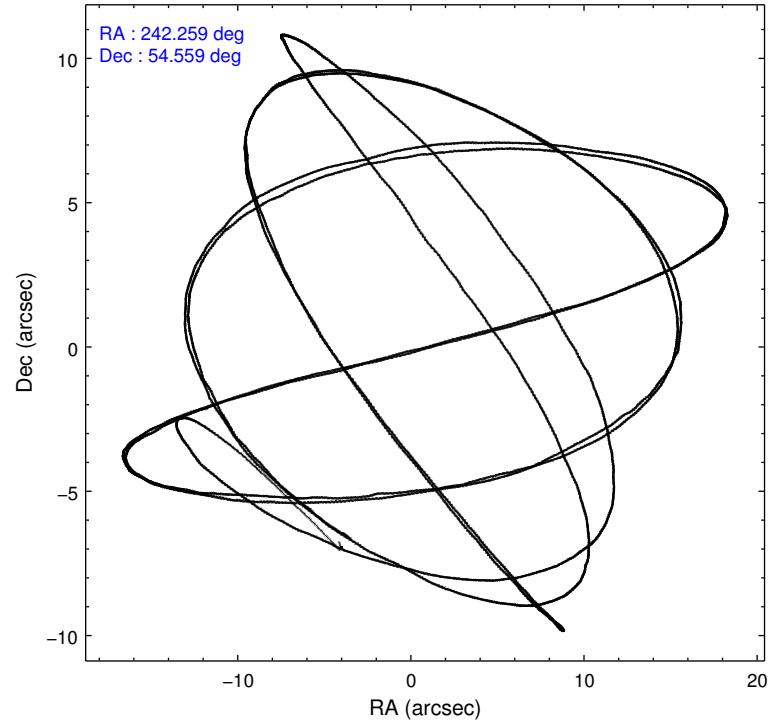
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	38617	38808	41681	40043	42968	56302	grade 0 events	2190	2031	2182	2083	1844	2114
rejected events	33524	33557	36825	35108	38119	32939		5%	5%	5%	5%	4%	3%
rejected %	86%	86%	88%	87%	88%	58%	grade 1 events	26	17	24	37	20	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	1053	1114	1025	985	1053	4601
								2%	2%	2%	2%	2%	8%
							grade 3 events	509	535	440	496	459	2058
								1%	1%	1%	1%	1%	3%
							grade 4 events	470	539	468	494	498	2069
								1%	1%	1%	1%	1%	3%
							grade 5 events	1633	1849	1610	1891	2008	5439
								4%	4%	3%	4%	4%	9%
							grade 6 events	873	1036	745	883	997	12550
								2%	2%	1%	2%	2%	22%
							grade 7 events	31863	31687	35187	33174	36089	27415
								82%	81%	84%	82%	83%	48%

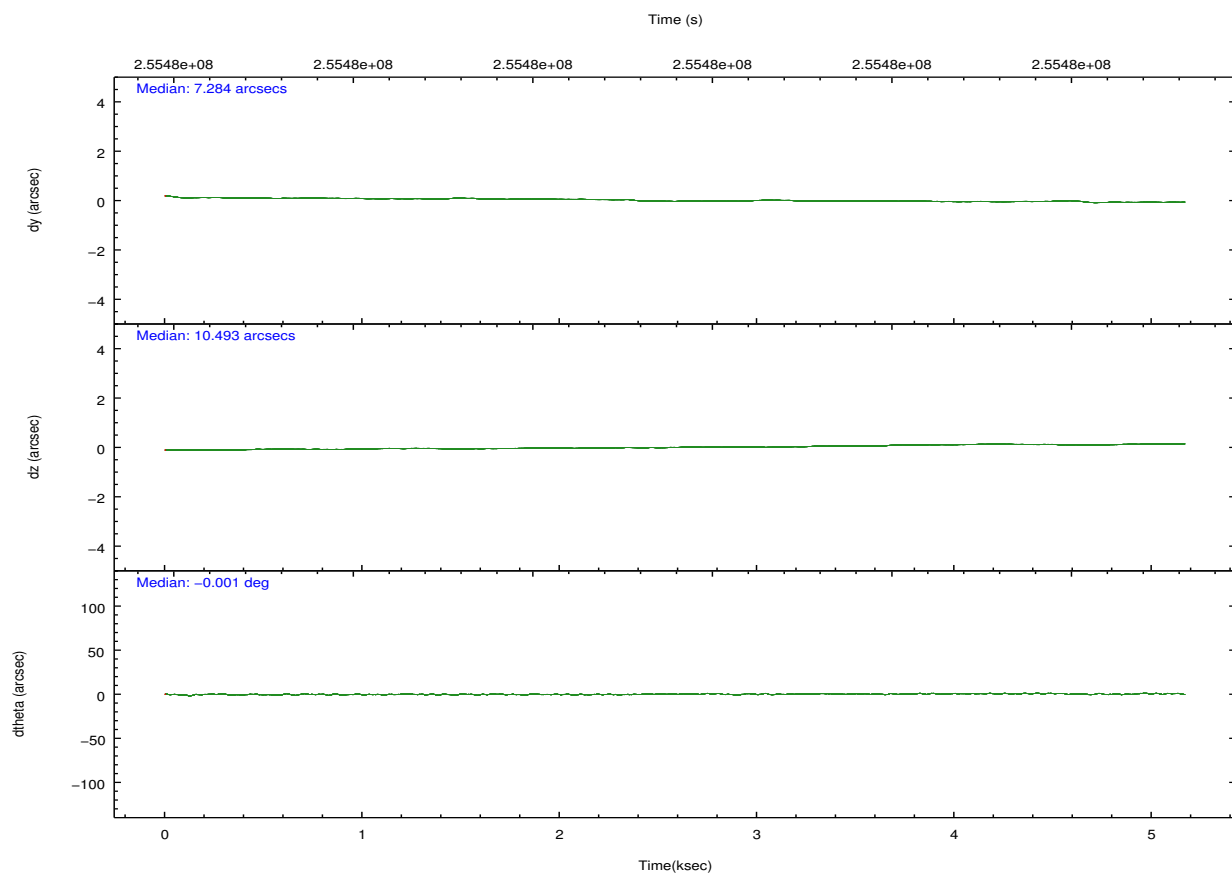
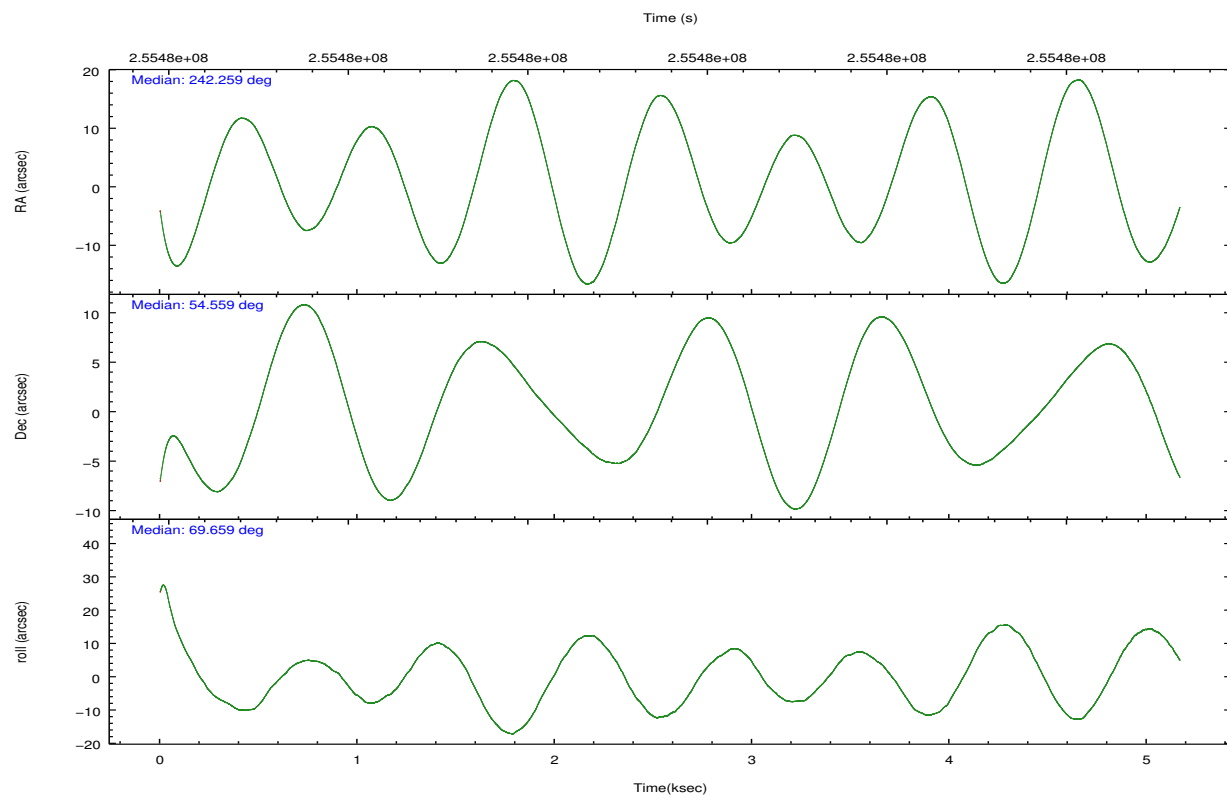


## 2.2 Compared Parameters

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	242.267341	242.2590934072136	Subarray requested	NONE	NONE
[deg] Pointing Dec	54.532590	54.55955422238701	Alternating exposures requested	N	N
[deg] Pointing Roll	69.455305	69.6707607428099	[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)	255478379.184000	255477415.86829			
Observation start date	2006-02-04T22:11:54	2006-02-04T21:56:55			
[s] Observation end time (MET)	255483379.184000	255483513.08107			
Observation end date	2006-02-04T23:35:14	2006-02-04T23:38:33			
Read mode	TIMED	TIMED			

## 2.3 Aspect



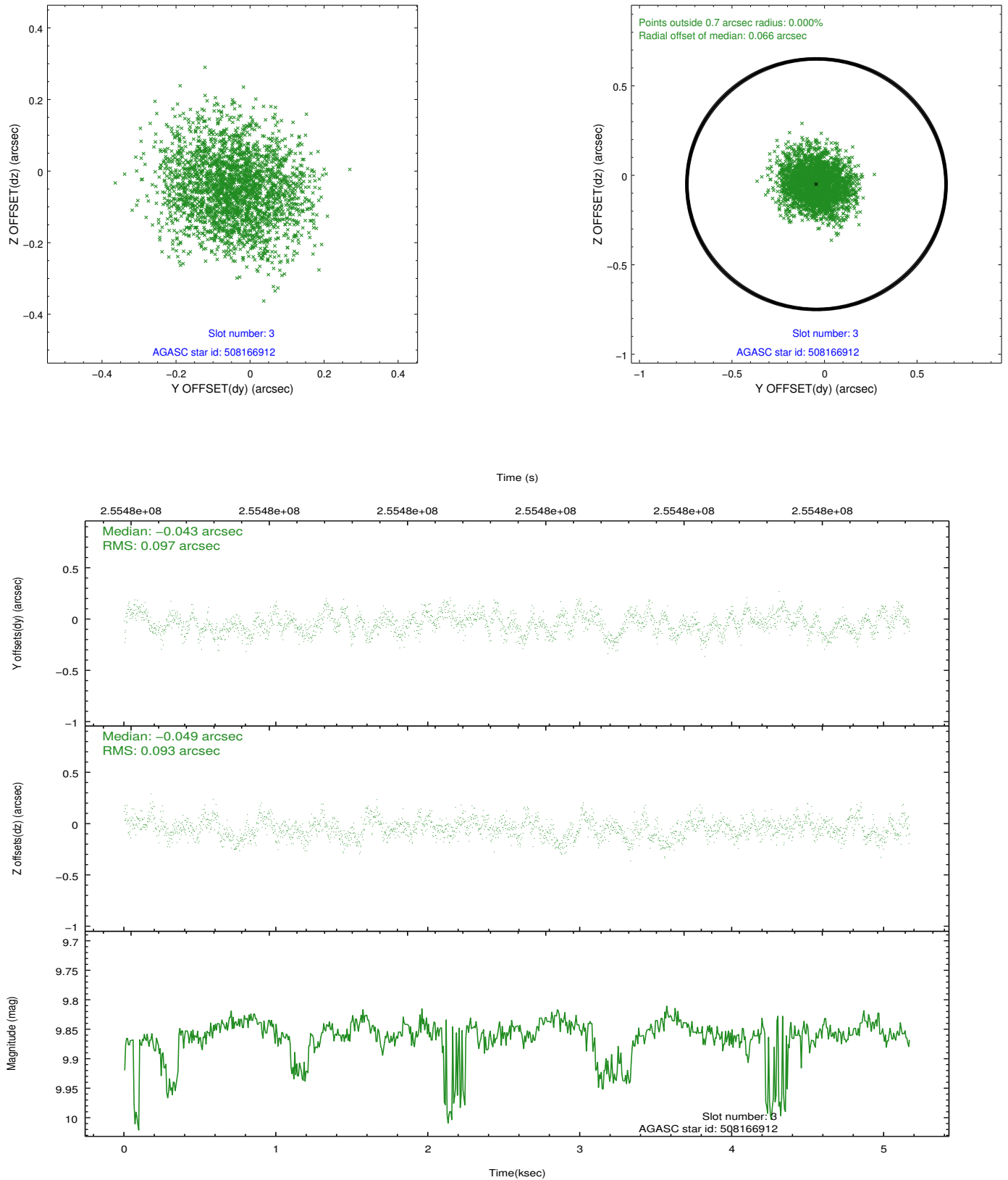


### Slot Statistics

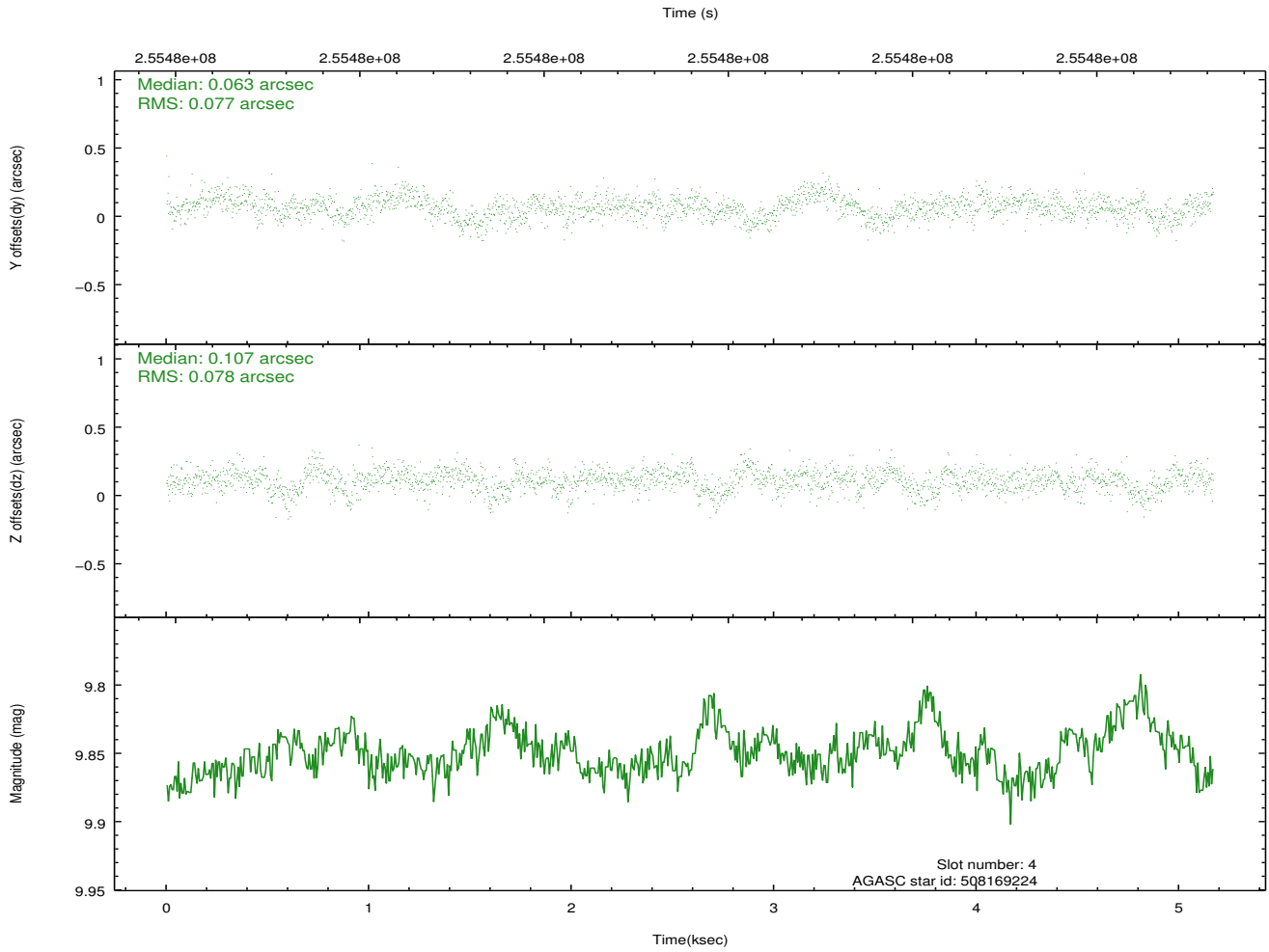
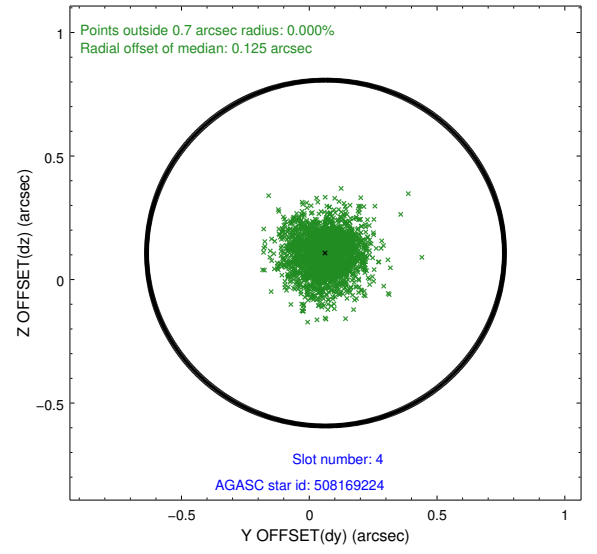
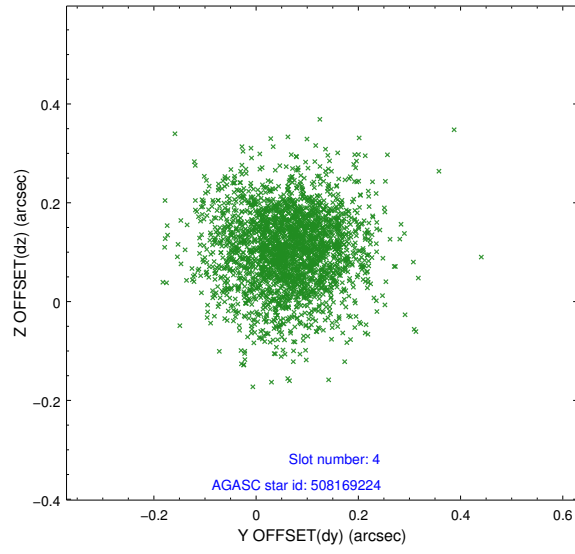
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1261	0.027	-0.017	0.007	0.012	0.000000	0.000000	932.39	-834.01
1	FID	ACIS-I-5	7.22	1260	-0.171	0.040	0.006	0.011	0.000000	0.000000	-1815.25	1062.97
2	FID	ACIS-I-6	7.25	1261	0.052	0.047	0.008	0.013	0.000000	0.000000	396.71	1708.79
3	GUIDE	508166912	9.86	2516	-0.043	-0.049	0.146	0.228	241.478927	54.924337	756.71	2025.42
4	GUIDE	508169224	9.85	2520	0.063	0.107	0.114	0.193	242.580277	53.826359	-2145.02	-1514.04
5	GUIDE	508170896	9.00	2518	0.112	-0.012	0.079	0.128	242.052968	54.527984	-172.53	413.03
6	GUIDE	508172800	7.91	2516	-0.192	0.150	0.057	0.089	242.573753	54.657892	647.82	-438.38
7	GUIDE	508173376	8.33	2518	0.062	-0.200	0.083	0.135	241.134254	54.422412	-1186.30	2089.14

## 2.4 Star Slots

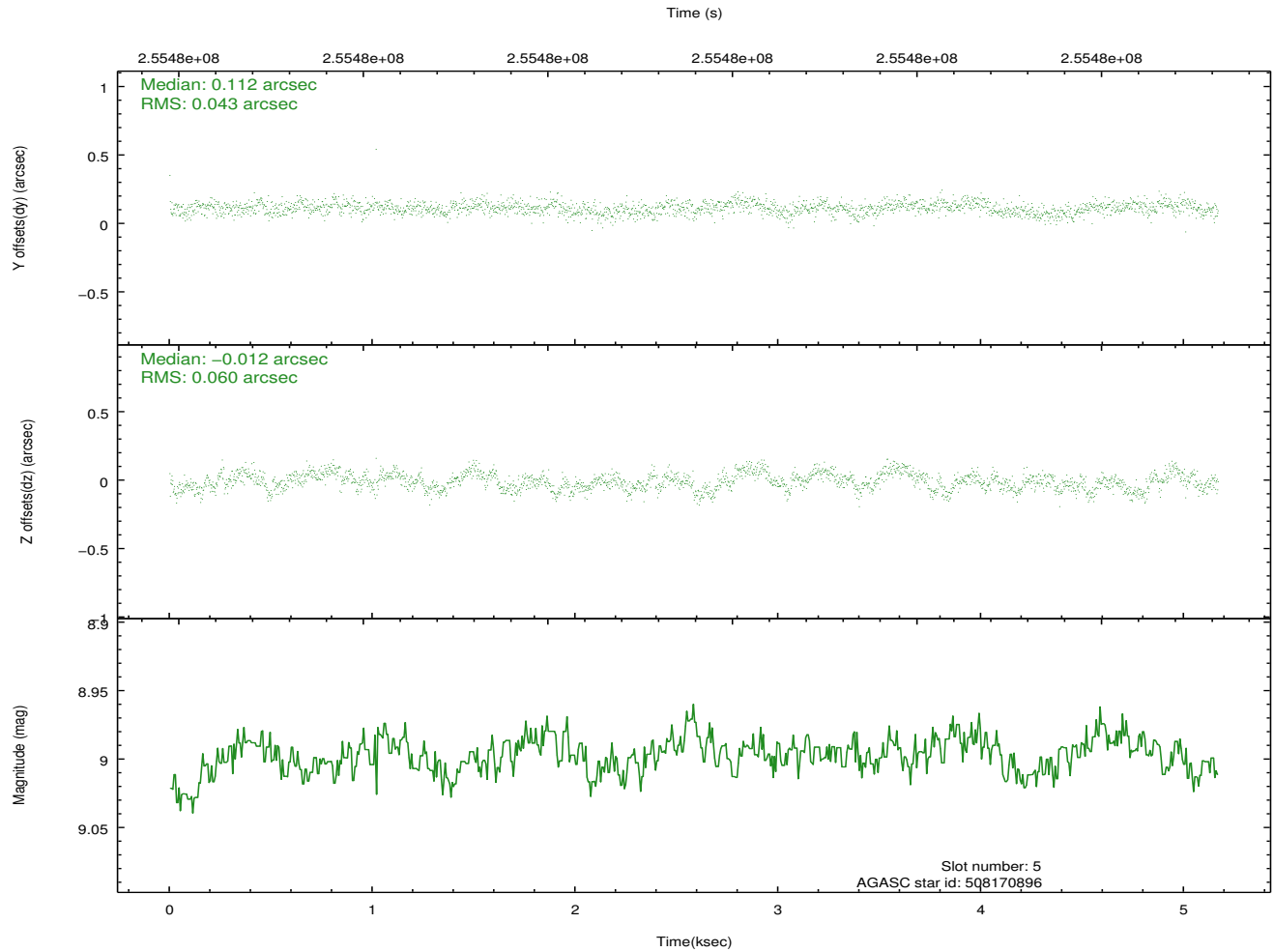
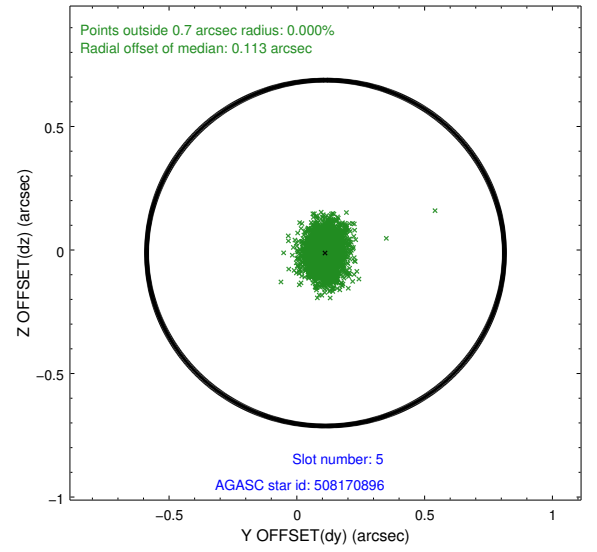
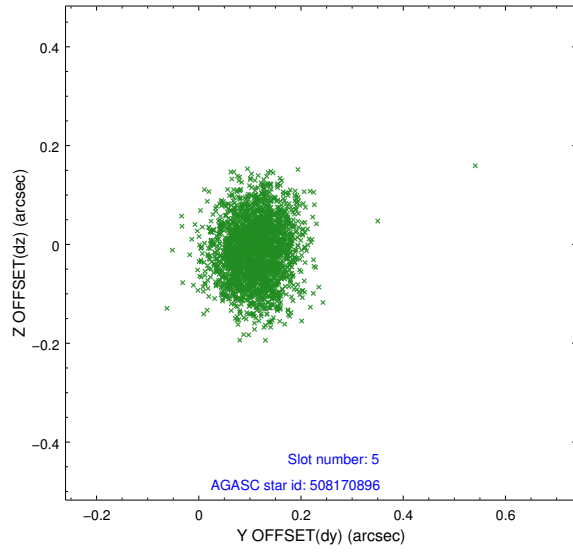
### 2.4.1 Slot 3



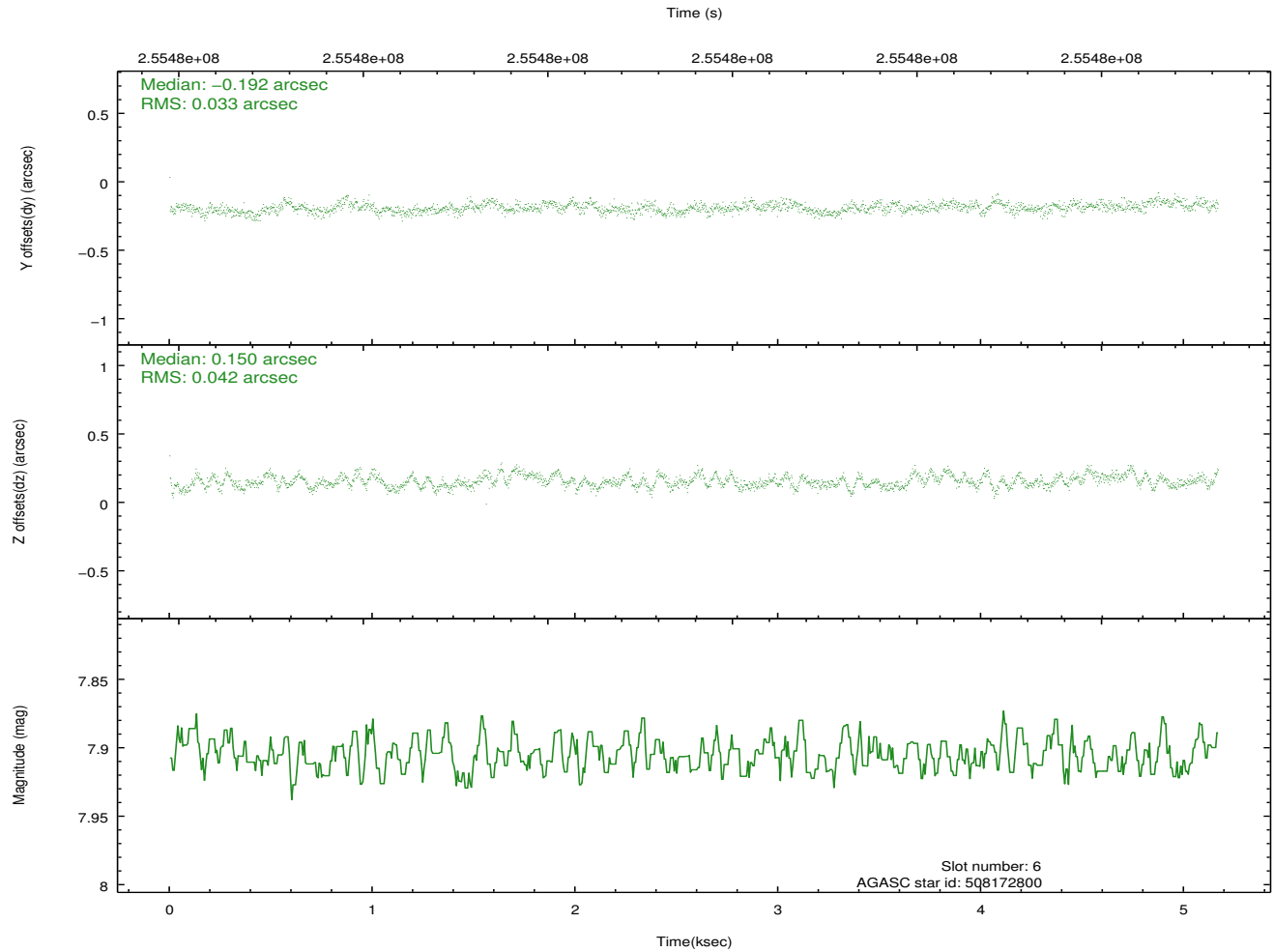
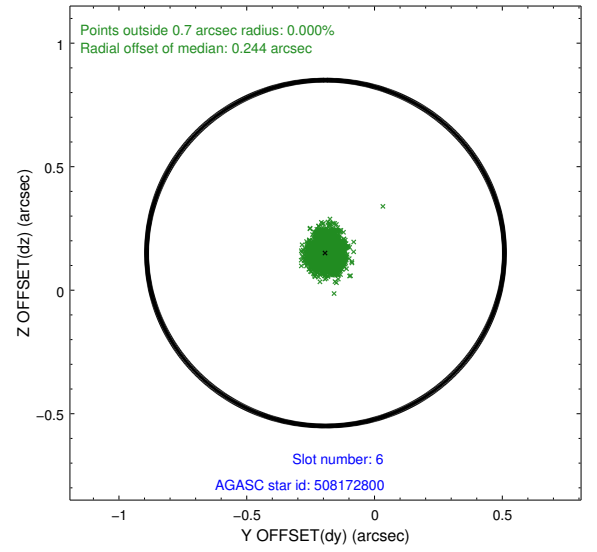
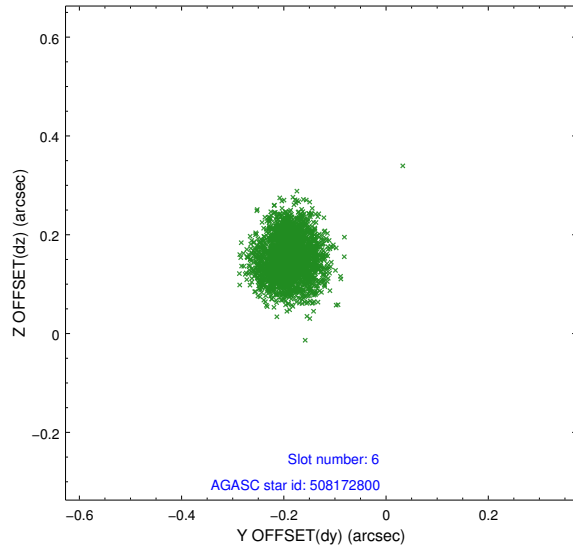
## 2.4.2 Slot 4



### 2.4.3 Slot 5

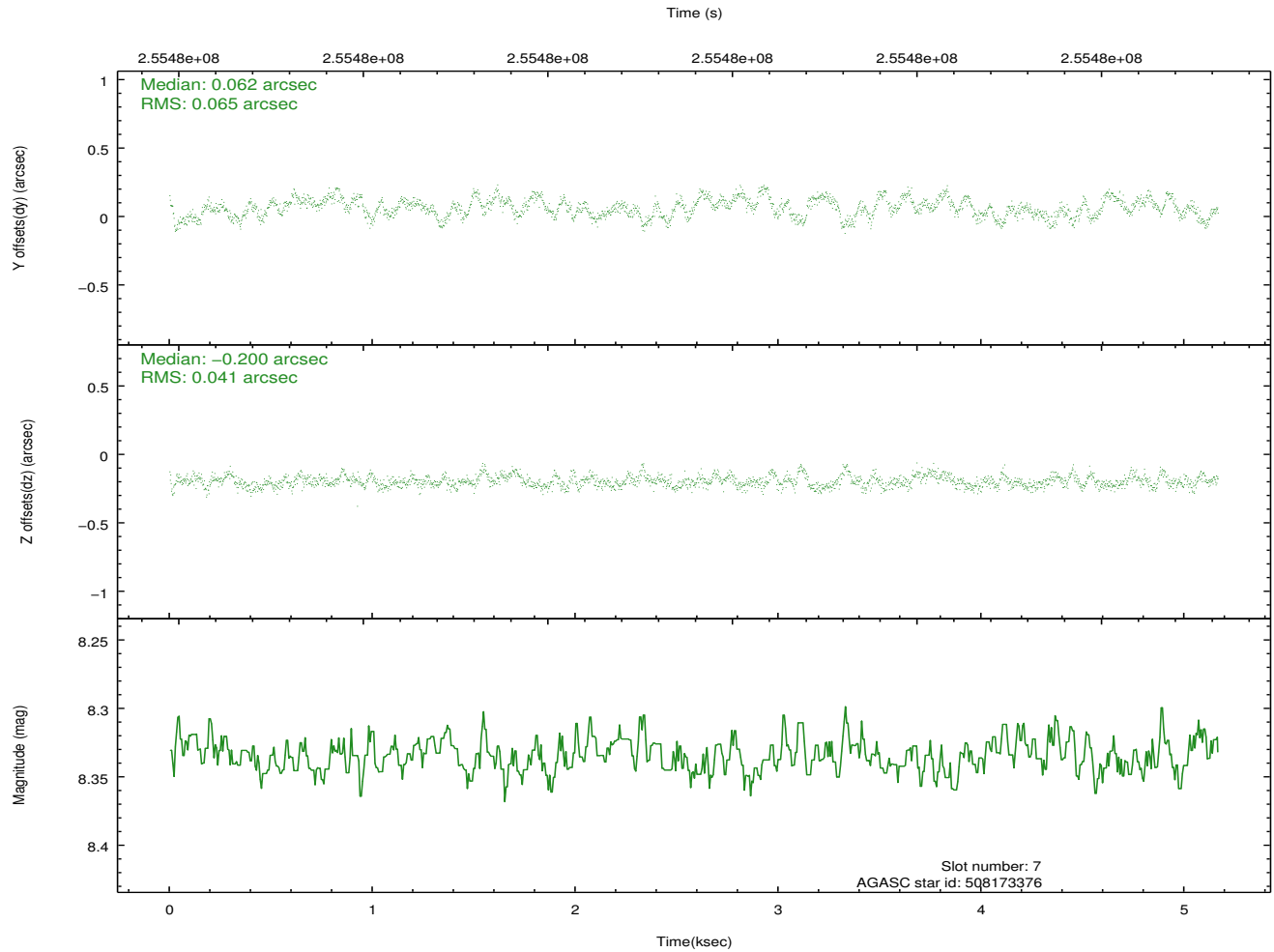
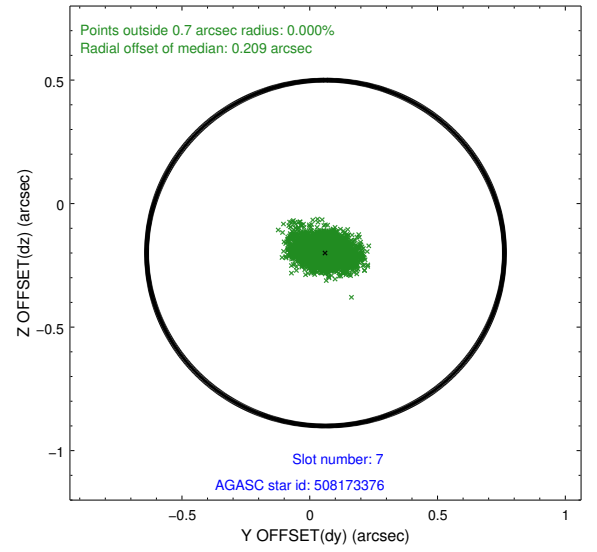
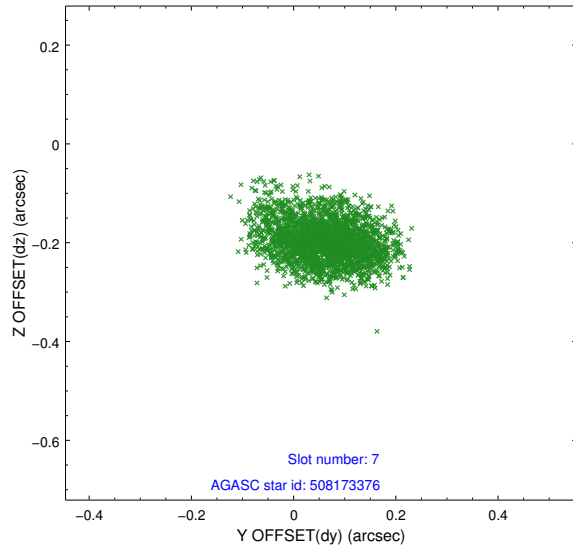


## 2.4.4 Slot 6



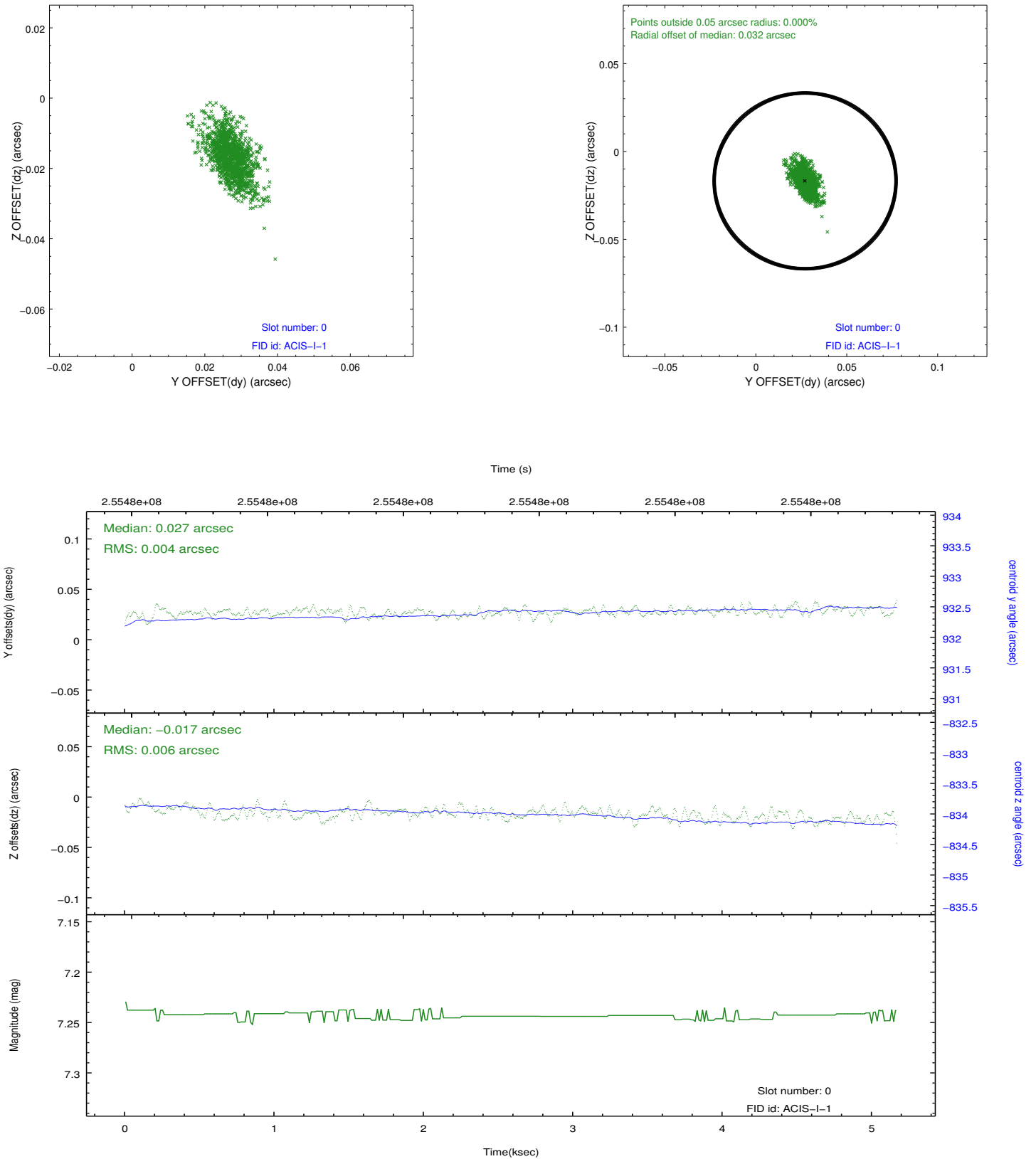


## 2.4.5 Slot 7

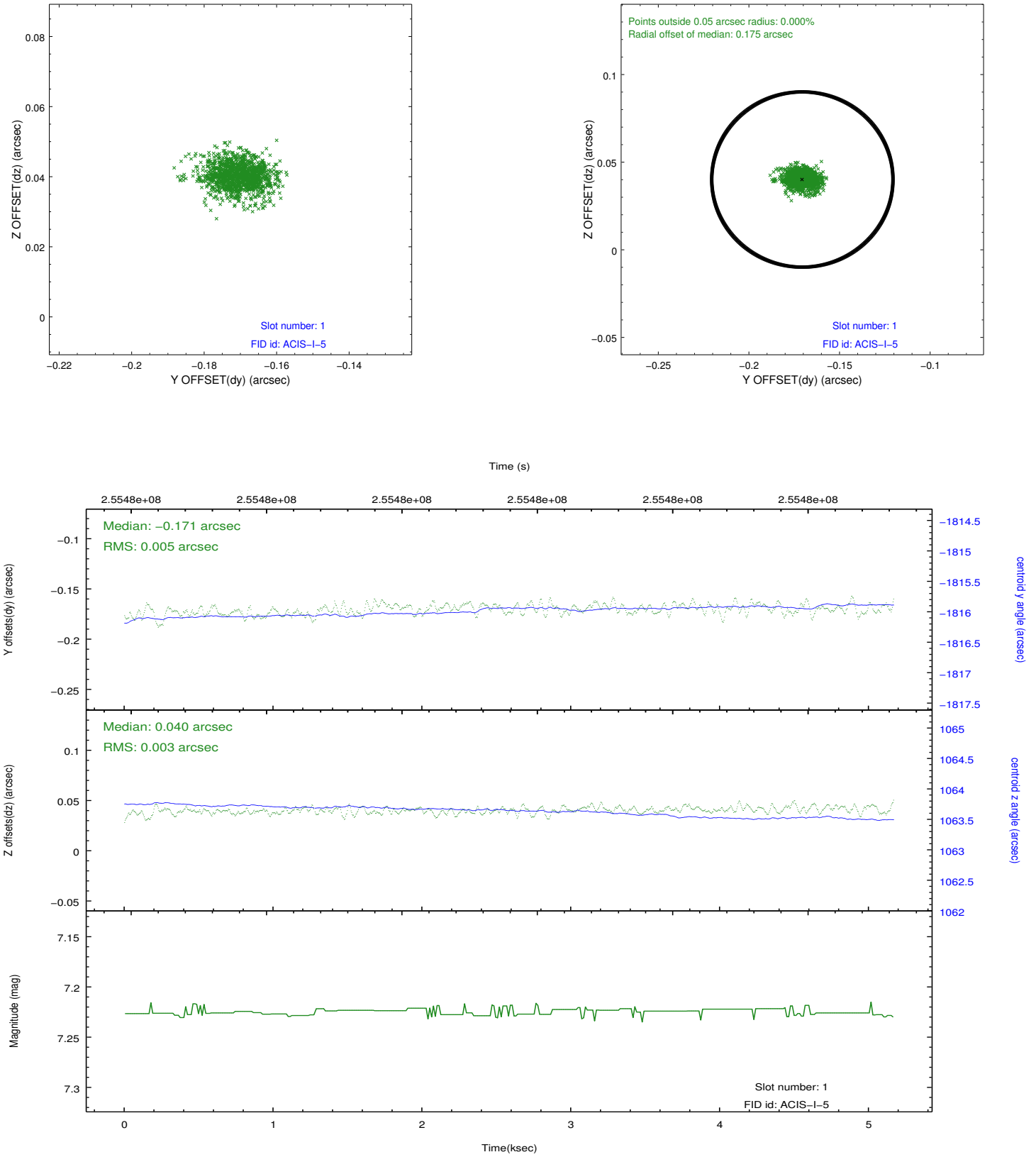


## 2.5 FID Slots

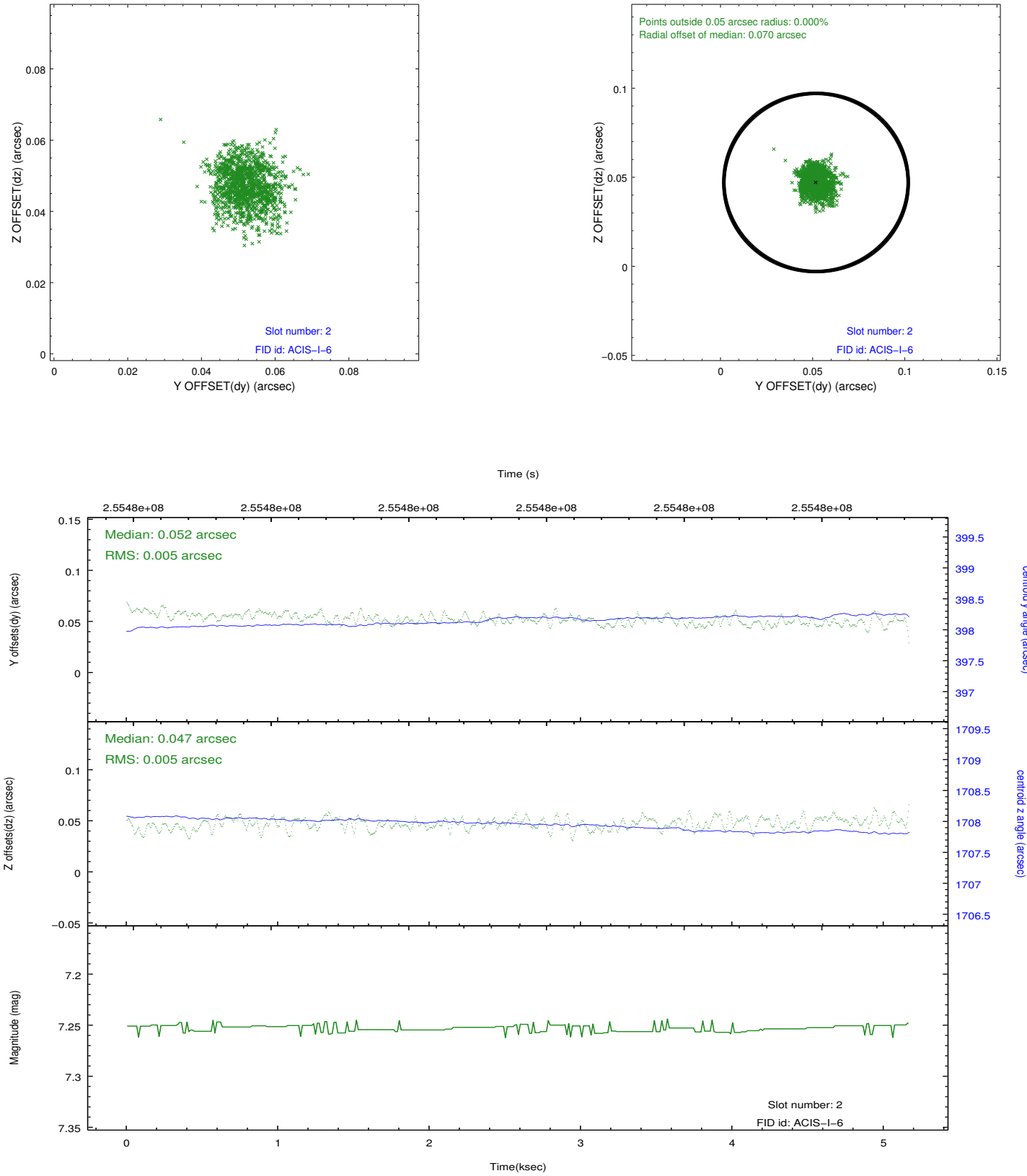
### 2.5.1 Slot 0



## 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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95999998

### A.2 Comments