

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3352 - L2 Version 3  
Chandra X-Ray Center

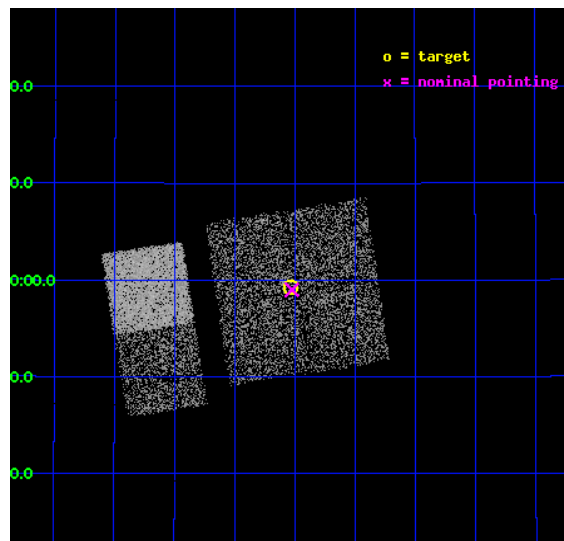
L2 Processing Date : Oct 11 2012

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# 1 Front

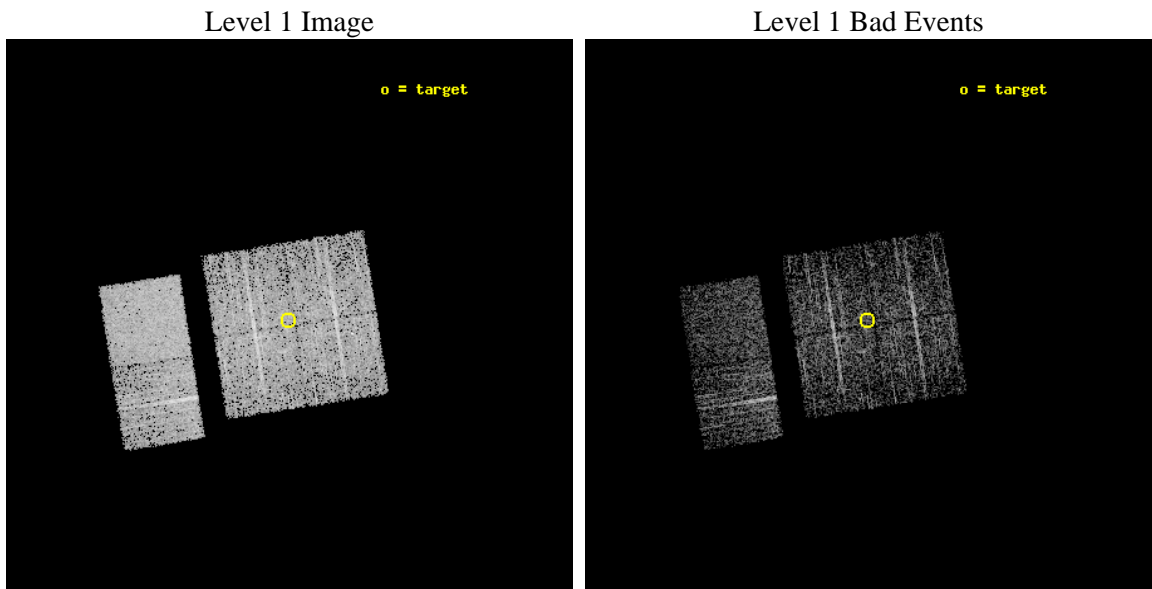
seq_num	900191	Sequence number
obs_id	3352	Observation id
title	CHANDRA OBSERVATIONS OF OPTICALLY FAINT SOURCES DISCOVERED WITH ASCA	&#160
observer	Dr Yoshihiro Ueda	Principal investigator
object	AX J131832+3259	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	199.634167	Observer's specified target RA [deg]
dec_targ	32.987306	Observer's specified target Dec [deg]
ra_nom	199.63124056818	Nominal RA [deg]
dec_nom	32.983354297218	Nominal Dec [deg]
roll_nom	261.13325223509	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2661.8311667144	Sum of GTIs [s]
livetime	2628.1254577192	Livetime [s]
ontime0	2661.7080467343	Sum of GTIs [s]
ontime1	2661.7490867078	Sum of GTIs [s]
ontime2	2661.7901267111	Sum of GTIs [s]
ontime3	2661.8311667144	Sum of GTIs [s]
ontime6	2661.913246721	Sum of GTIs [s]
ontime7	2661.8722067177	Sum of GTIs [s]
l2events	20709	Number of level 2 events



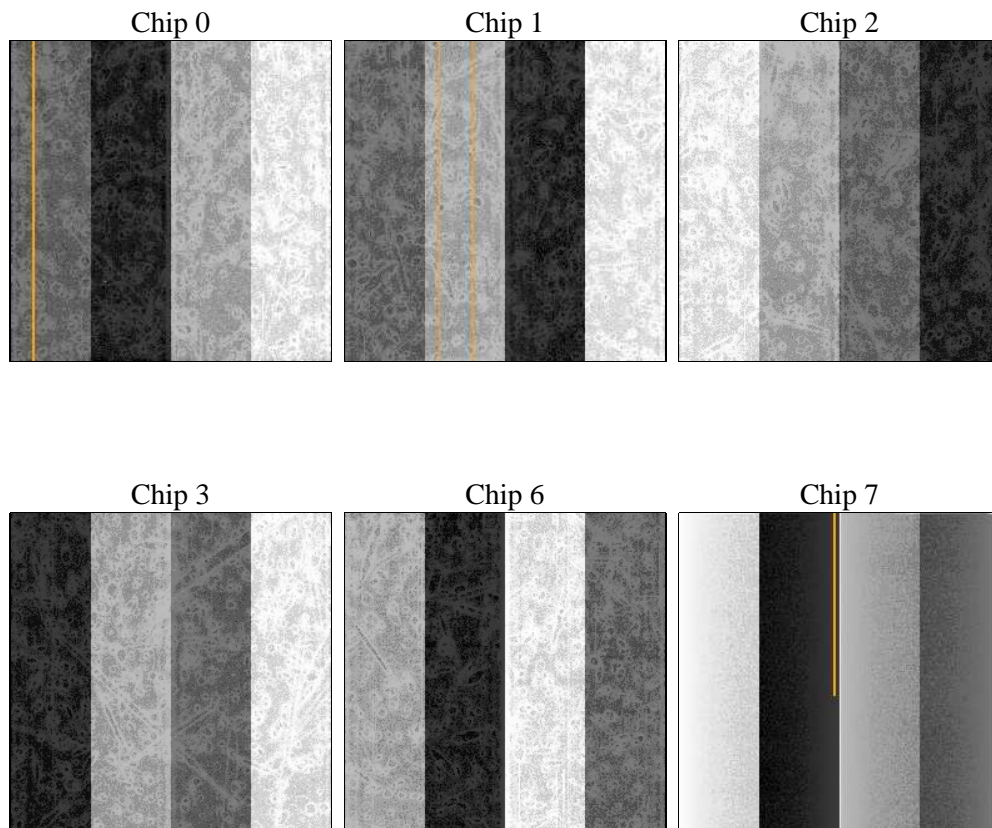
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2661.8311667144	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	2661.7080467343	Sum of GTIs [s]
date	2012-10-11T15:42:32	Date and time of file creation	ontime1	2661.7490867078	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2661.7901267111	Sum of GTIs [s]
			ontime3	2661.8311667144	Sum of GTIs [s]
			ontime6	2661.913246721	Sum of GTIs [s]
			ontime7	2661.8722067177	Sum of GTIs [s]
			l1events	108669	Number of level 1 events

### 2.1.4 Events

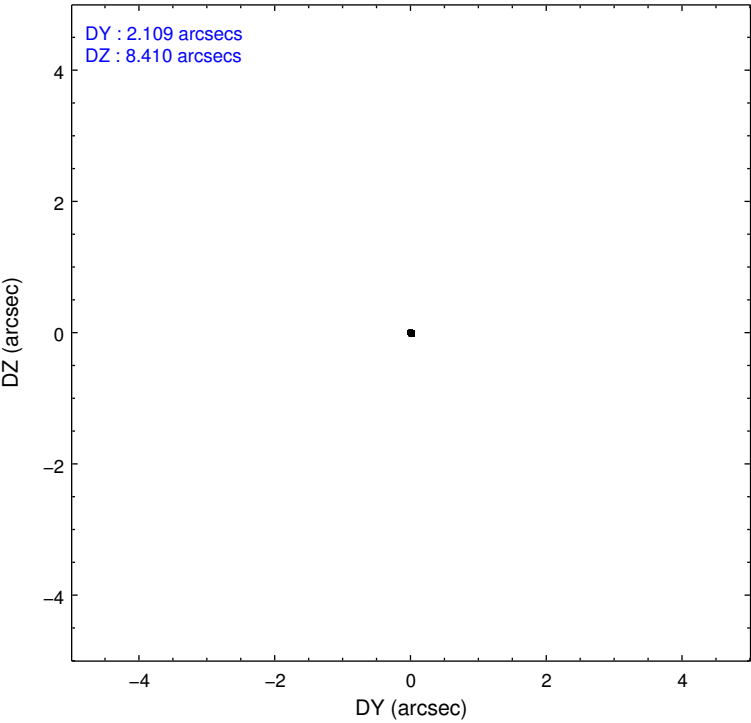
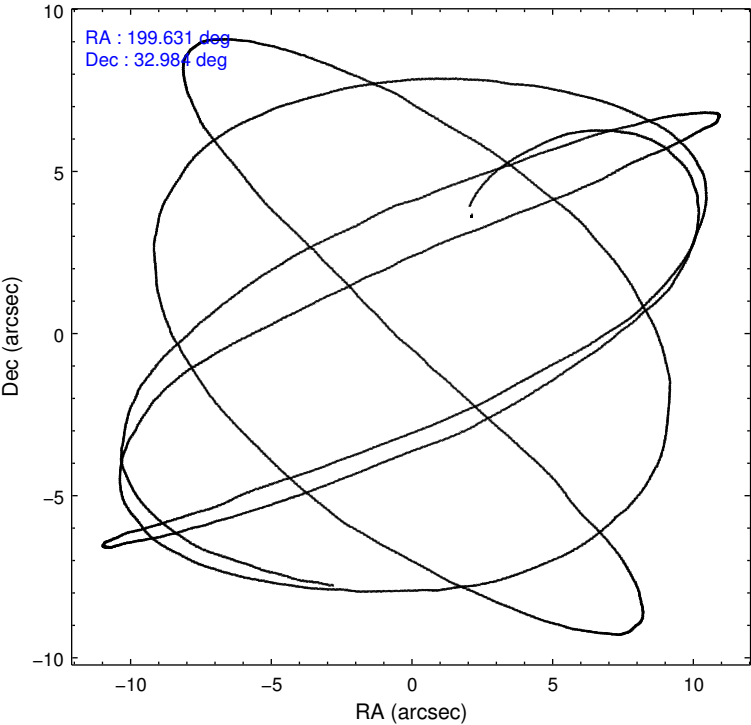
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	17015	15994	17560	17020	18104	22976	grade 0 events	1253	1074	1124	1119	1089	996
rejected events	14404	13439	15106	14628	15707	12764		7%	6%	6%	6%	6%	4%
rejected %	84%	84%	86%	85%	86%	55%	grade 1 events	7	5	10	8	14	19
								0%	0%	0%	0%	0%	0%
							grade 2 events	544	490	565	470	451	2050
								3%	3%	3%	2%	2%	8%
							grade 3 events	212	254	195	212	220	920
								1%	1%	1%	1%	1%	4%
							grade 4 events	190	251	192	216	216	939
								1%	1%	1%	1%	1%	4%
							grade 5 events	621	647	590	697	775	2235
								3%	4%	3%	4%	4%	9%
							grade 6 events	424	494	381	382	423	5334
								2%	3%	2%	2%	2%	23%
							grade 7 events	13764	12779	14503	13916	14916	10483
								80%	79%	82%	81%	82%	45%

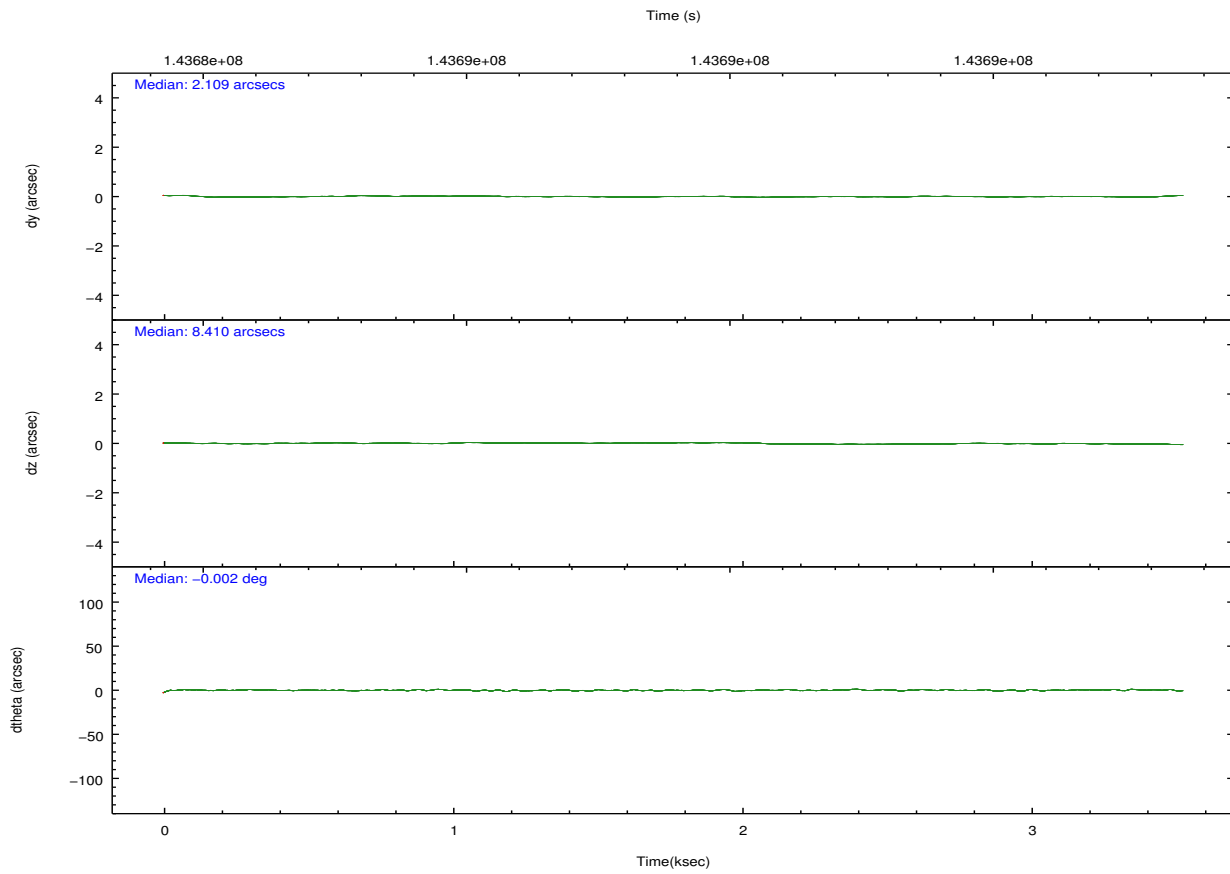
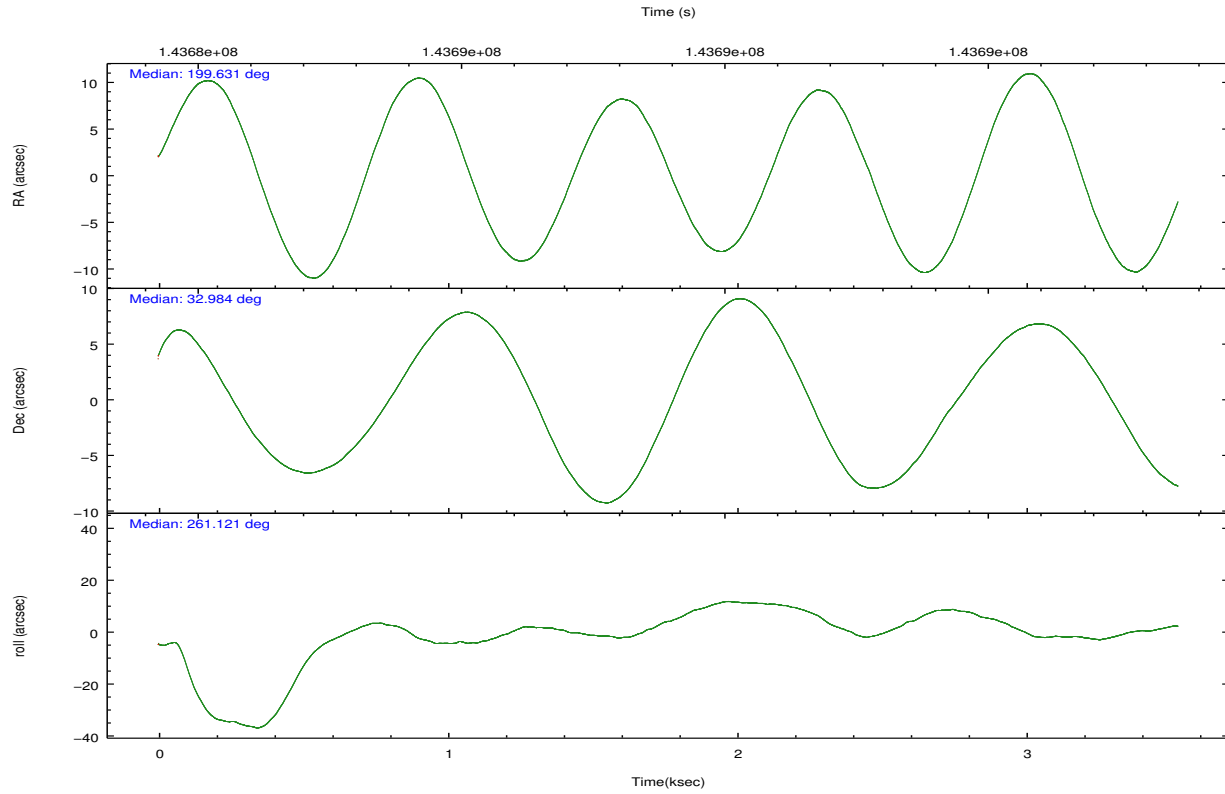


## 2.2 Compared Parameters

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	199.619356	199.6312405681784	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.008875	32.98335429721777	Alternating exposures requested	N	N
[deg] Pointing Roll	260.931053	261.1332522350946	[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)	143685845.184000	143684562.62101			
Observation start date	2002-07-22T00:43:01	2002-07-22T00:22:42			
[s] Observation end time (MET)	143688545.184000	143688968.5837			
Observation end date	2002-07-22T01:28:01	2002-07-22T01:36:08			
Read mode	TIMED	TIMED			

2.3 Aspect



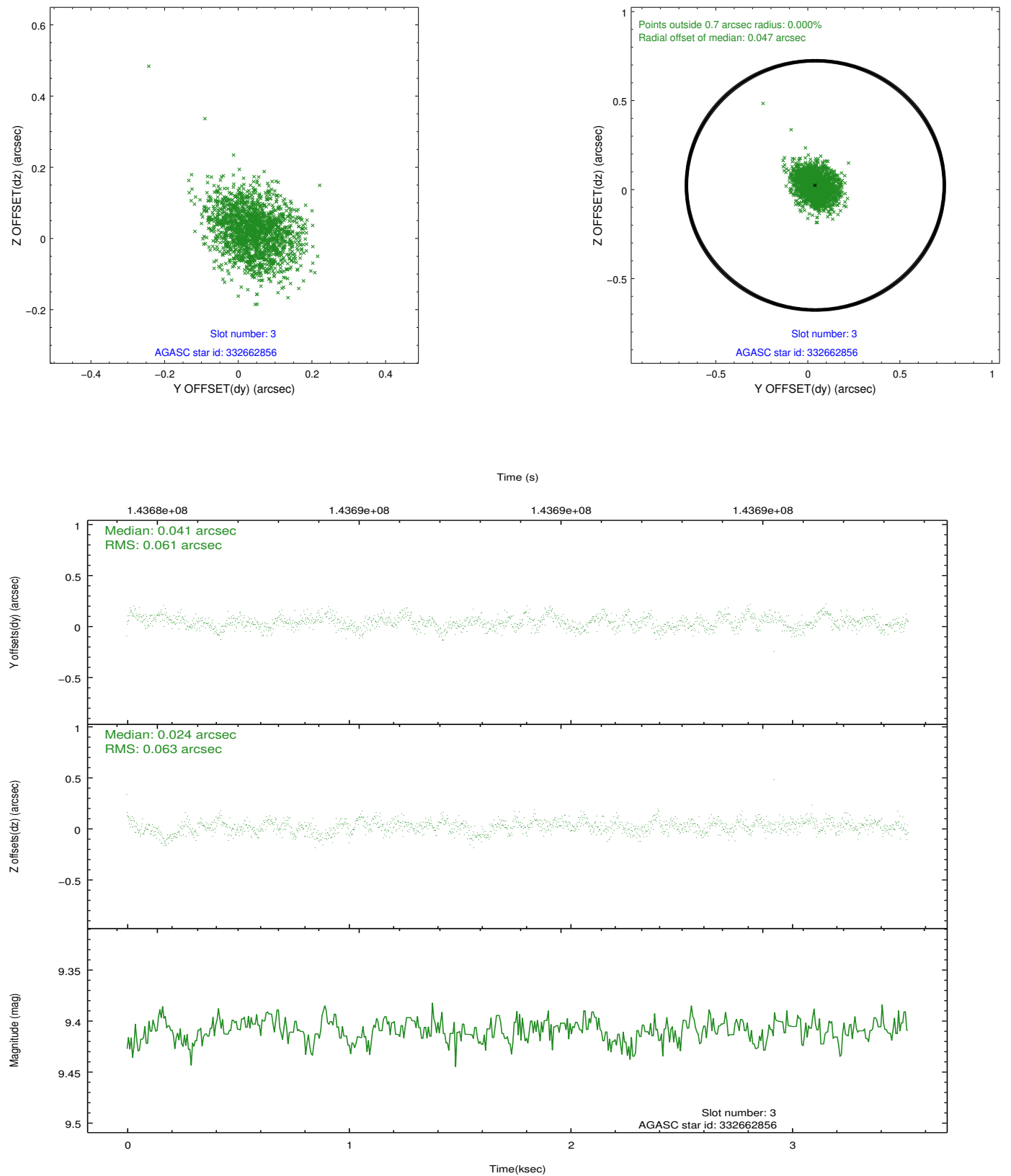


### Slot Statistics

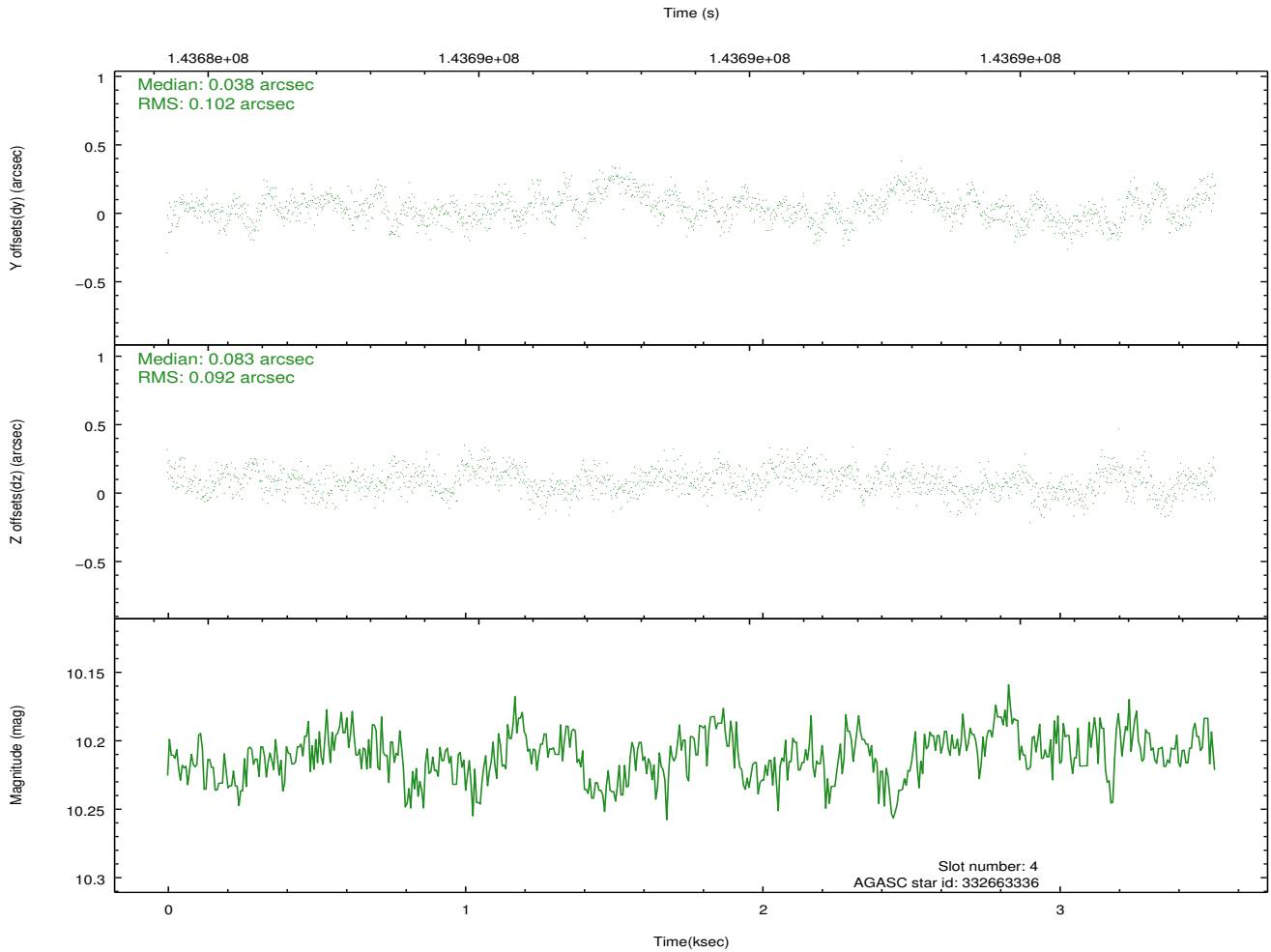
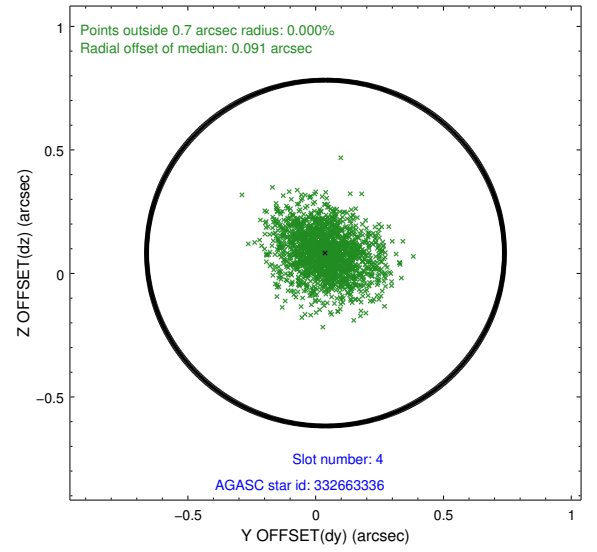
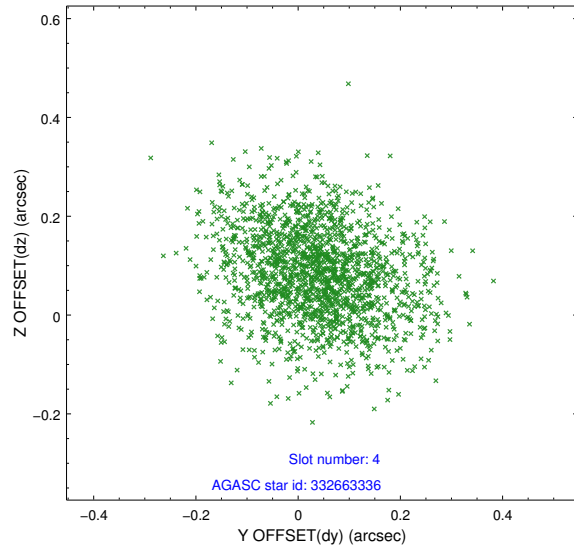
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	861	-0.042	0.079	0.006	0.010	0.000000	0.000000	937.66	-831.77
1	FID	ACIS-I-5	7.24	861	-0.028	0.025	0.006	0.010	0.000000	0.000000	-1809.42	1064.80
2	FID	ACIS-I-6	7.26	861	-0.021	-0.033	0.006	0.011	0.000000	0.000000	401.31	1711.25
3	GUIDE	332662856	9.41	1712	0.041	0.024	0.093	0.146	200.000182	32.747147	747.03	1286.73
4	GUIDE	332663336	10.21	1721	0.038	0.083	0.146	0.239	200.152981	32.741672	692.09	1747.00
5	GUIDE	332666152	7.87	1721	-0.208	-0.160	0.063	0.101	199.716427	33.438695	-1573.29	44.18
6	GUIDE	332666552	9.92	1720	0.049	0.017	0.131	0.200	200.269618	33.352698	-1537.09	1734.33
7	GUIDE	332668216	9.87	1719	0.076	0.042	0.097	0.162	200.013897	33.038163	-294.44	1159.44

## 2.4 Star Slots

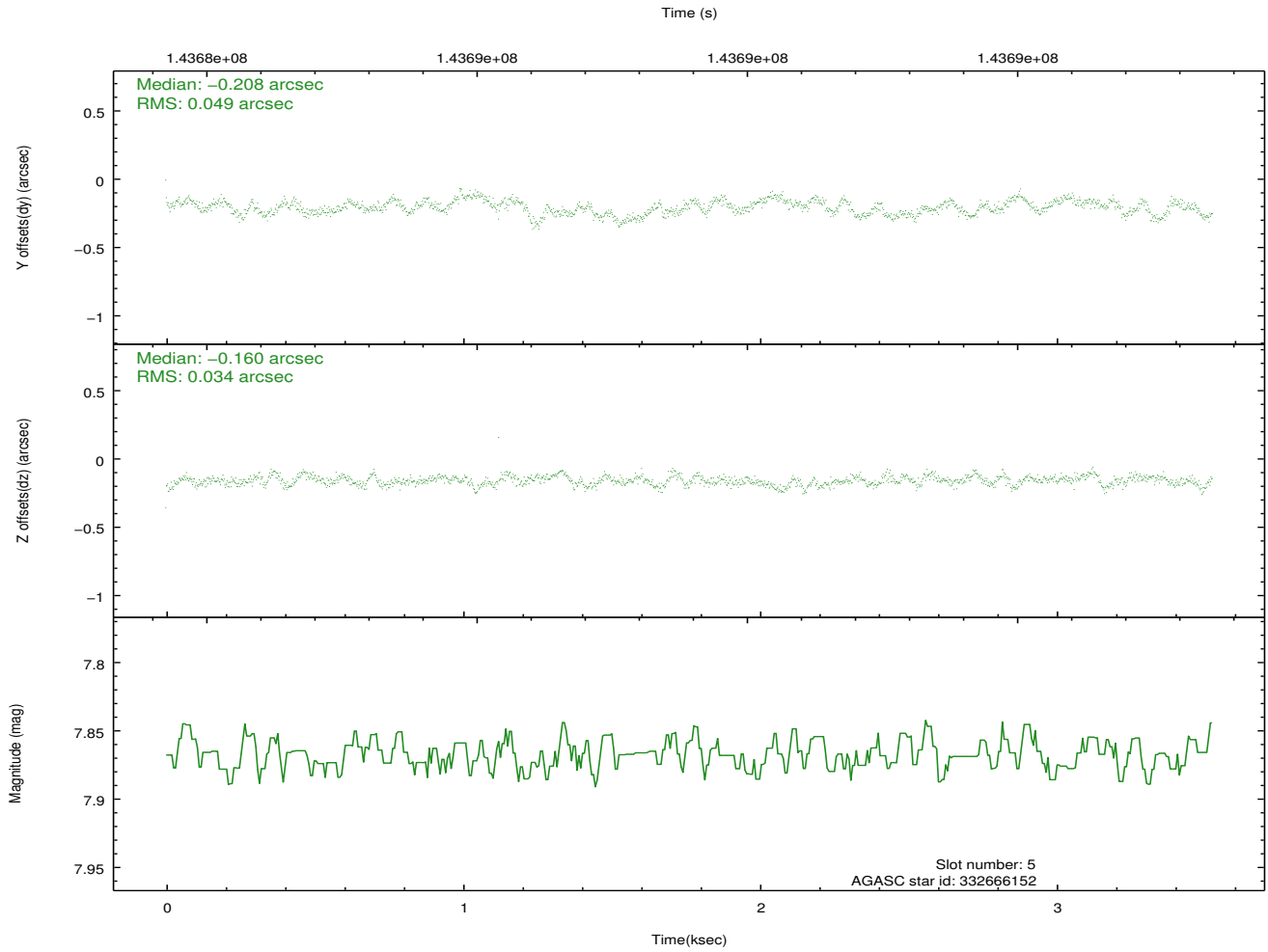
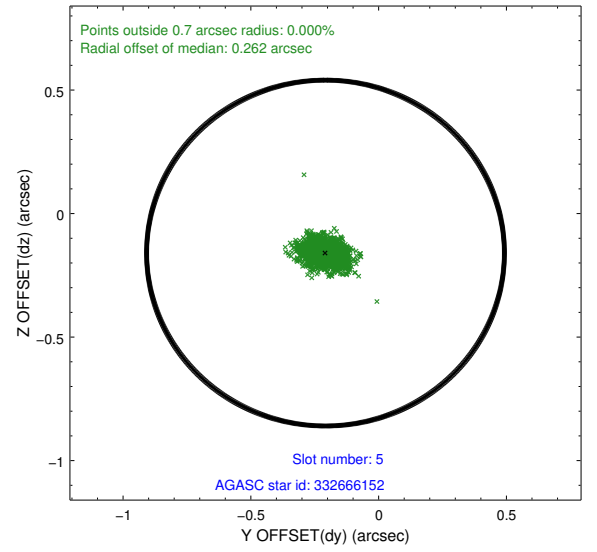
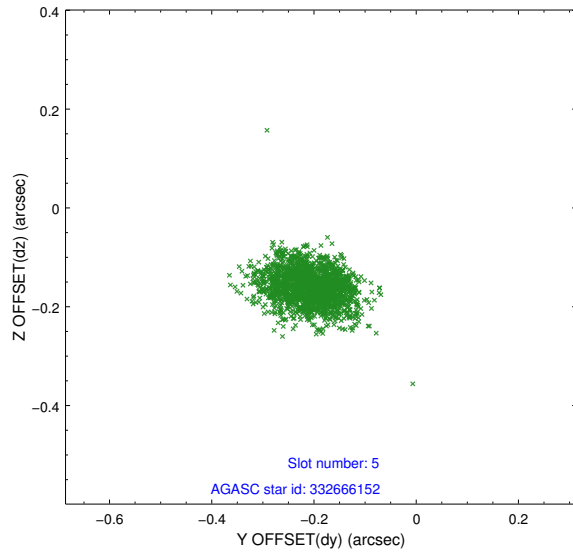
### 2.4.1 Slot 3



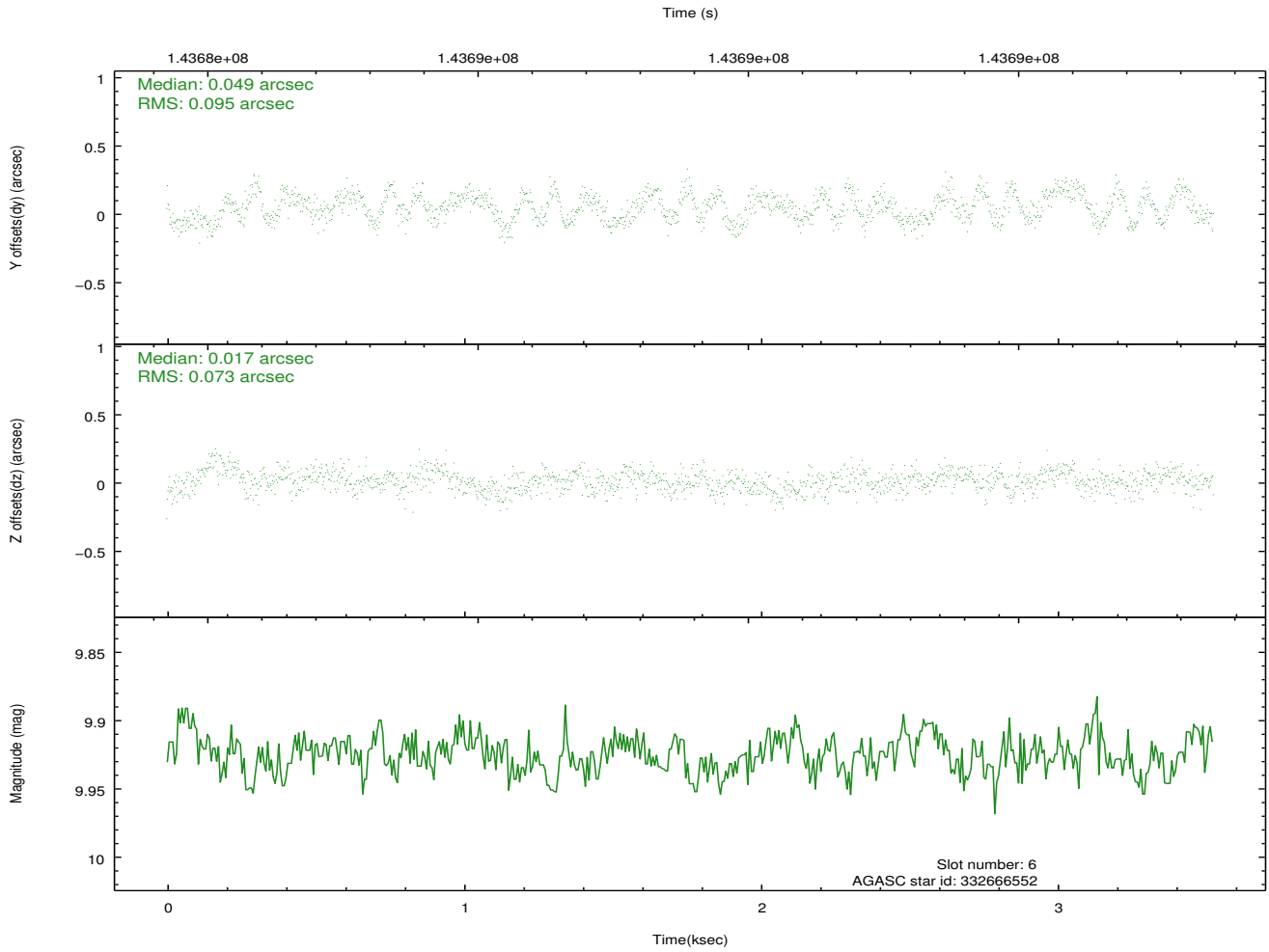
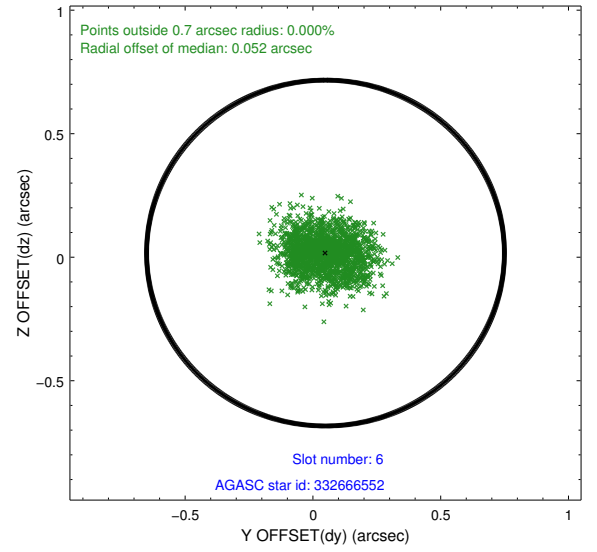
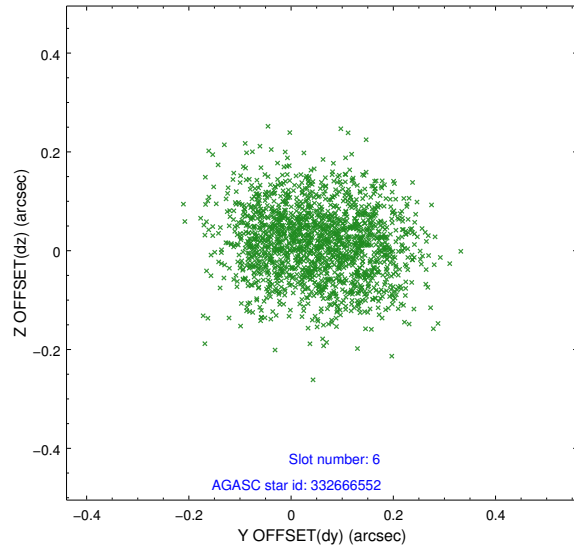
## 2.4.2 Slot 4



### 2.4.3 Slot 5

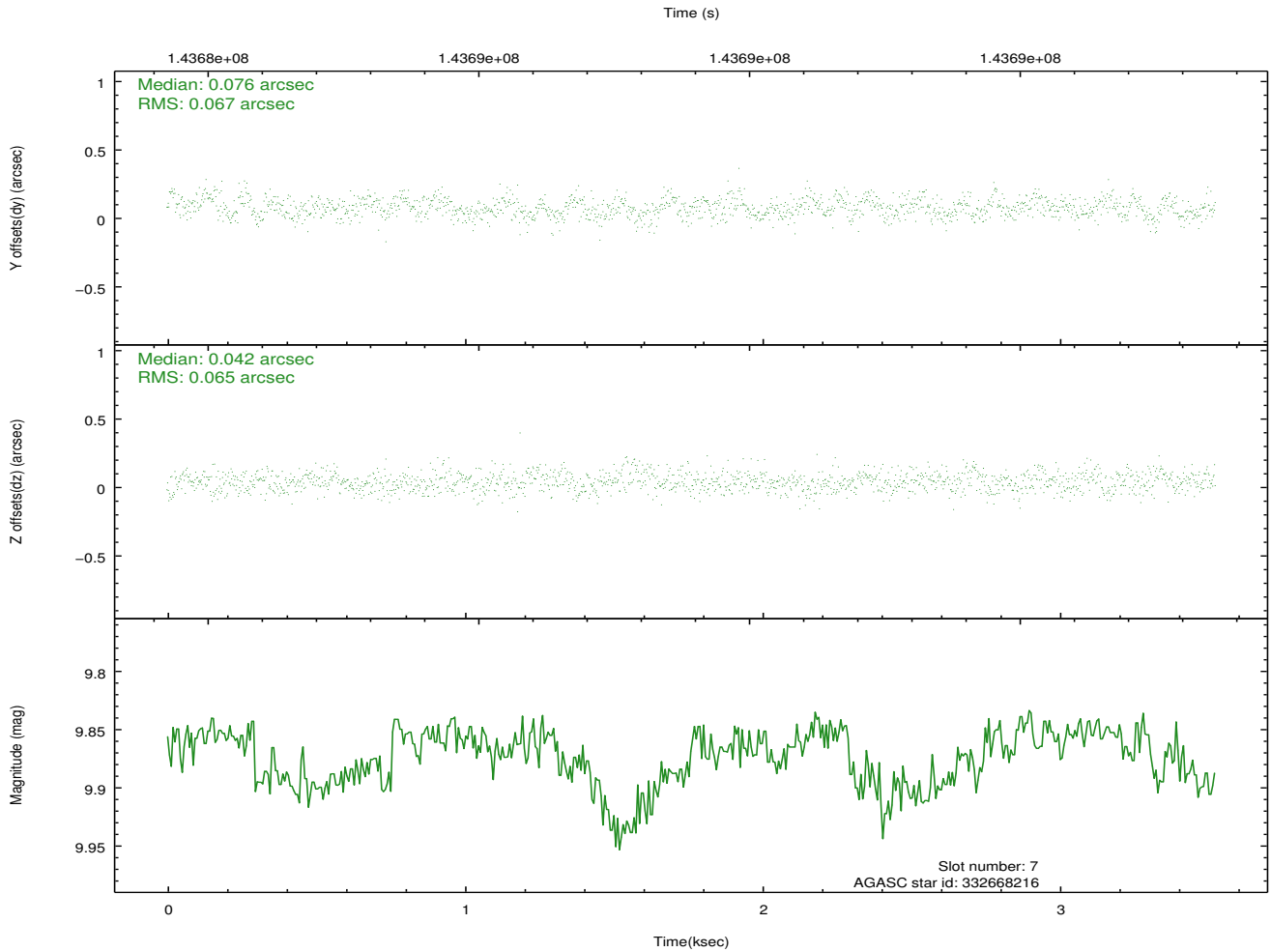
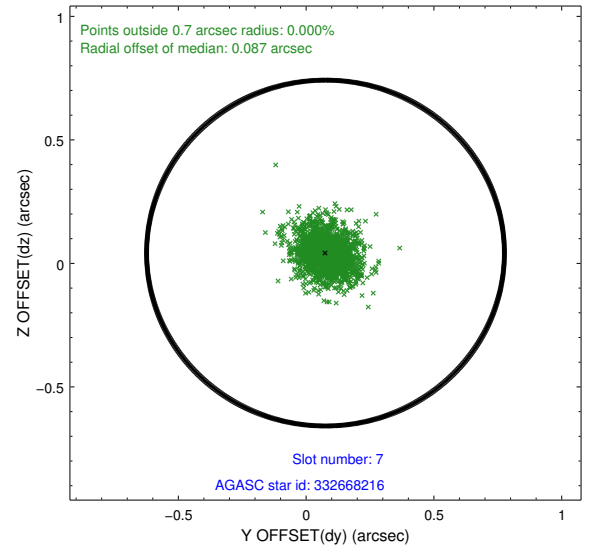
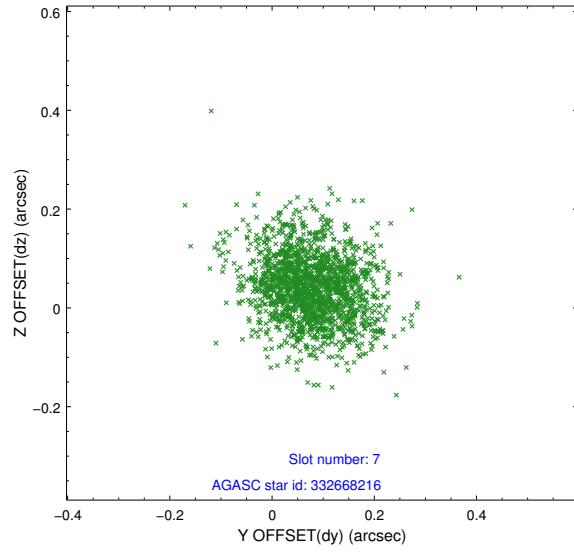


## 2.4.4 Slot 6



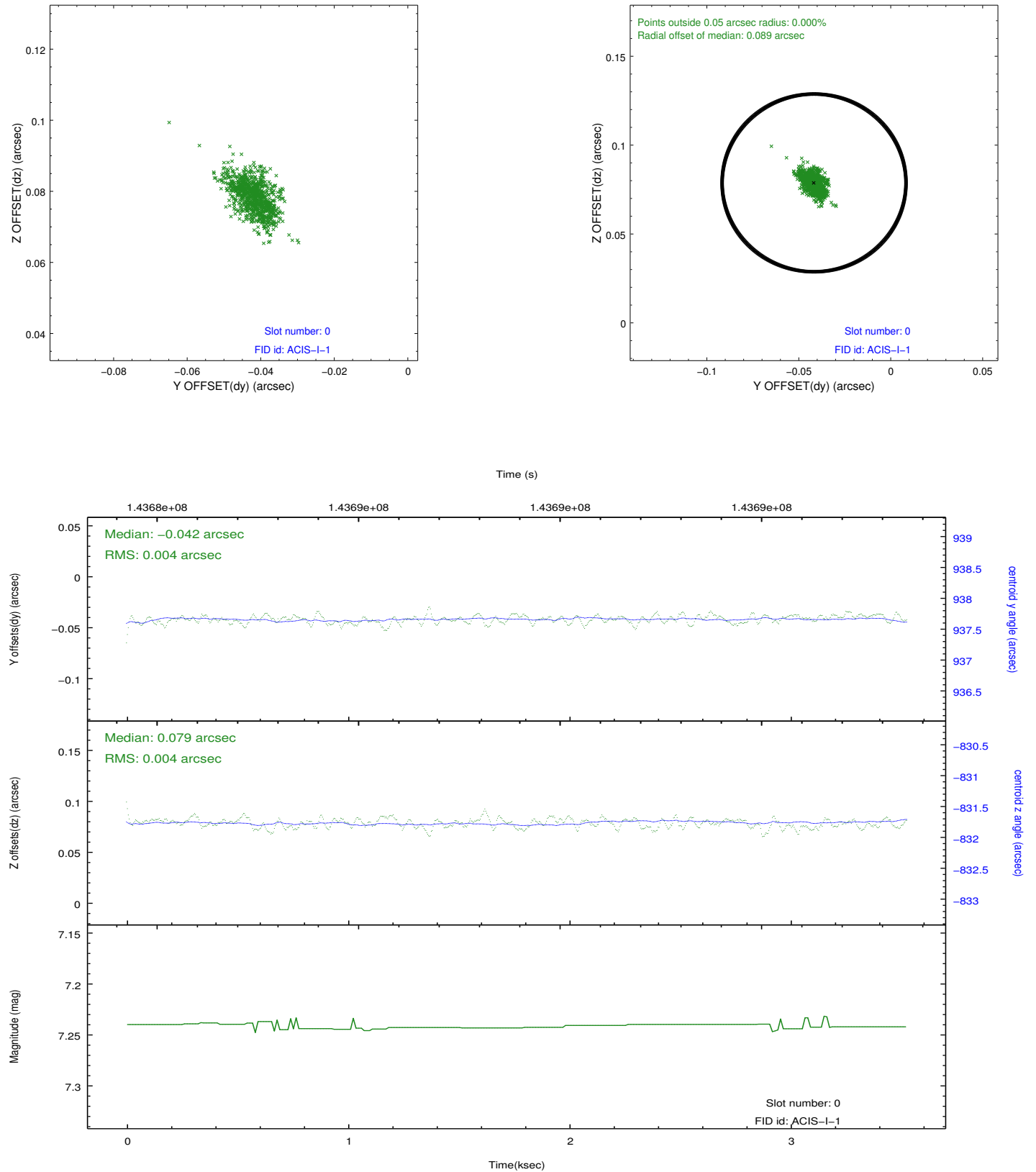


## 2.4.5 Slot 7

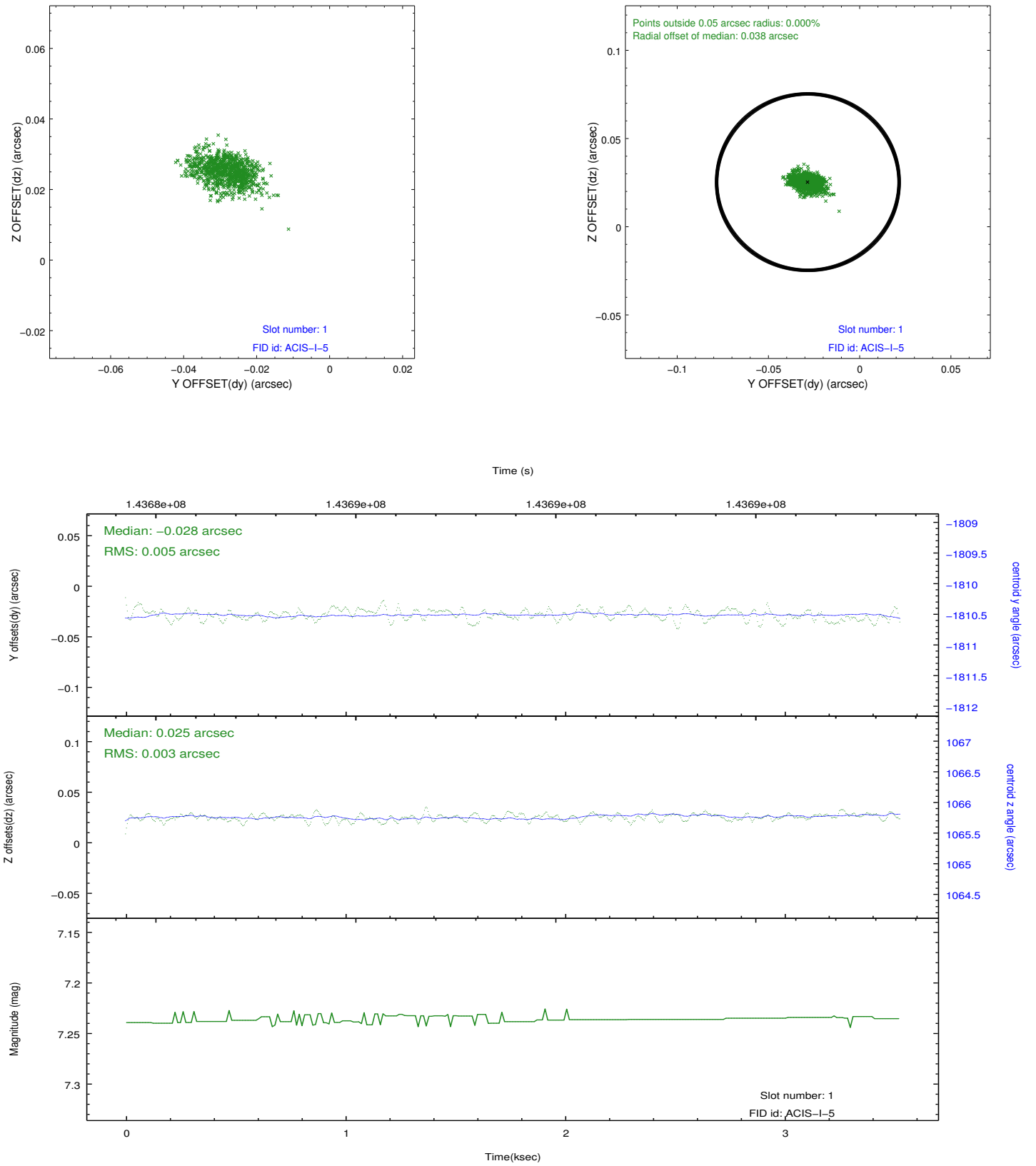


## 2.5 FID Slots

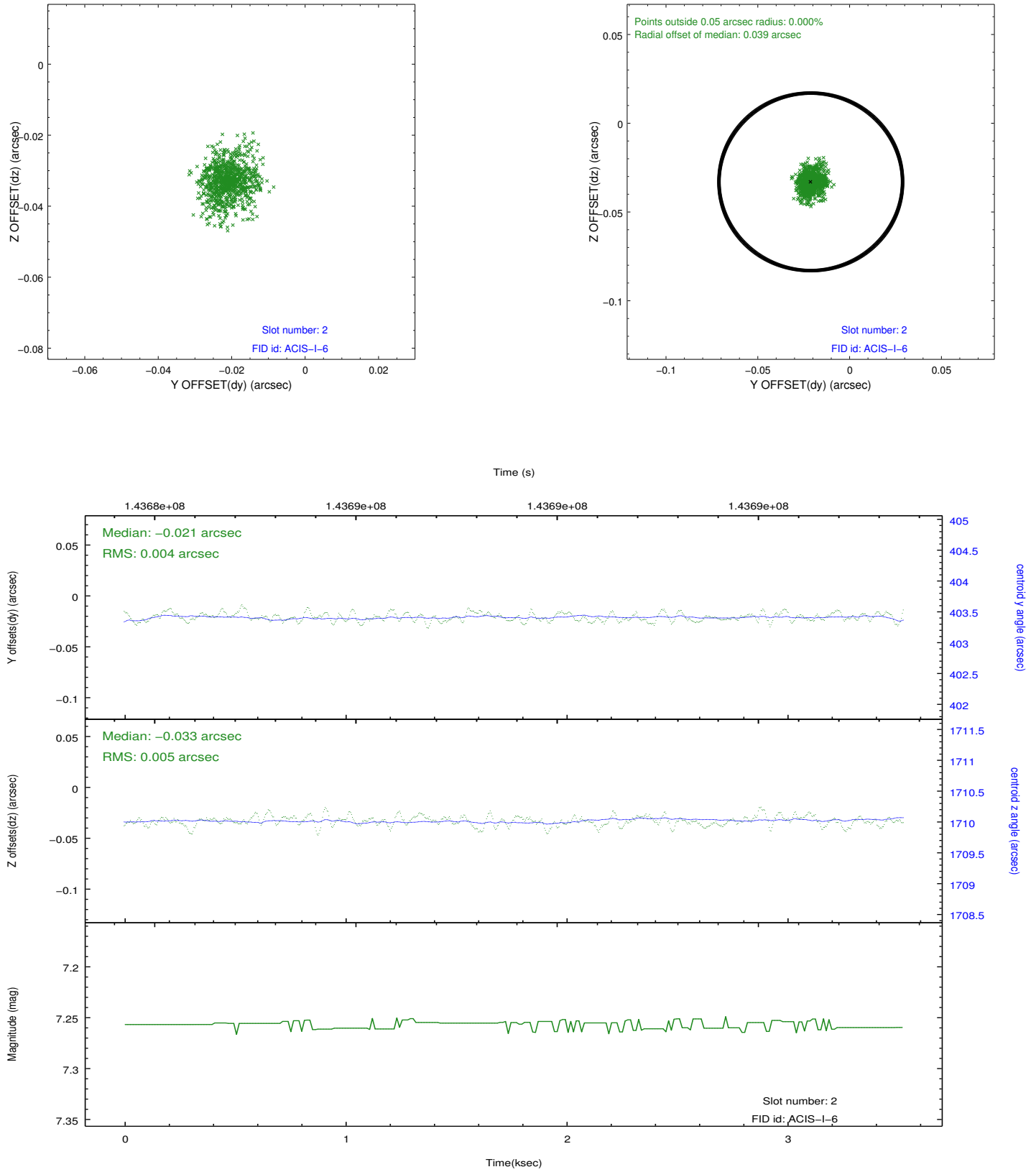
### 2.5.1 Slot 0



## 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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.662

### A.2 Comments