

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9112 - L2 Version 2  
Chandra X-Ray Center

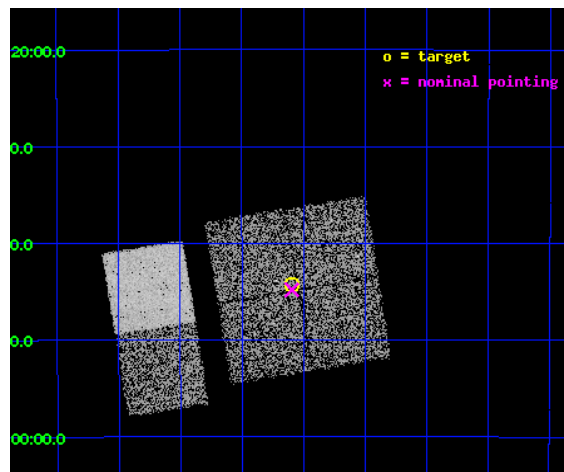
L2 Processing Date : May 25 2012

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# 1 Front

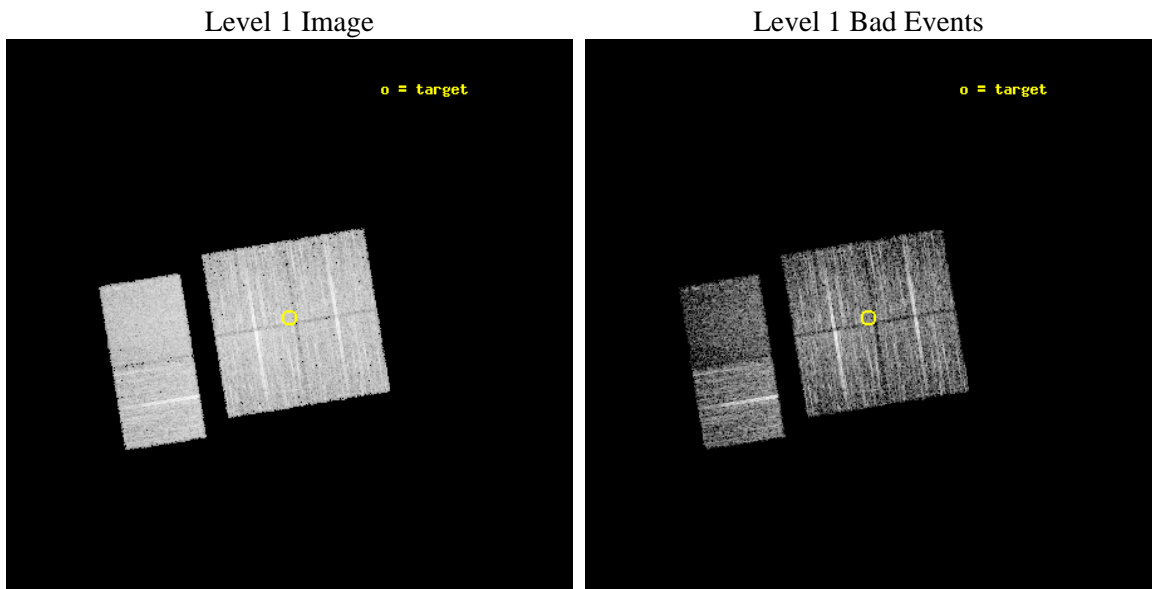
seq_num	500974	Sequence number
obs_id	9112	Observation id
title	Completing a Small Chandra Survey of Hard X-ray Sources in Gamma-Ray Error Boxes	Proposal title
observer	Dr. Mallory Roberts	Principal investigator
object	AX J1732.2-3044	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.022083	Observer's specified target RA [deg]
dec_targ	-30.738972	Observer's specified target Dec [deg]
ra_nom	263.02339736189	Nominal RA [deg]
dec_nom	-30.746909706408	Nominal Dec [deg]
roll_nom	260.71278129698	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5132.7999809384	Sum of GTIs [s]
livetime	5067.8053769787	Livetime [s]
ontime0	5132.7999809384	Sum of GTIs [s]
ontime1	5132.7999809384	Sum of GTIs [s]
ontime2	5132.7999809384	Sum of GTIs [s]
ontime3	5132.7999809384	Sum of GTIs [s]
ontime6	5132.7999809384	Sum of GTIs [s]
ontime7	5132.7999809384	Sum of GTIs [s]
l2events	37358	Number of level 2 events



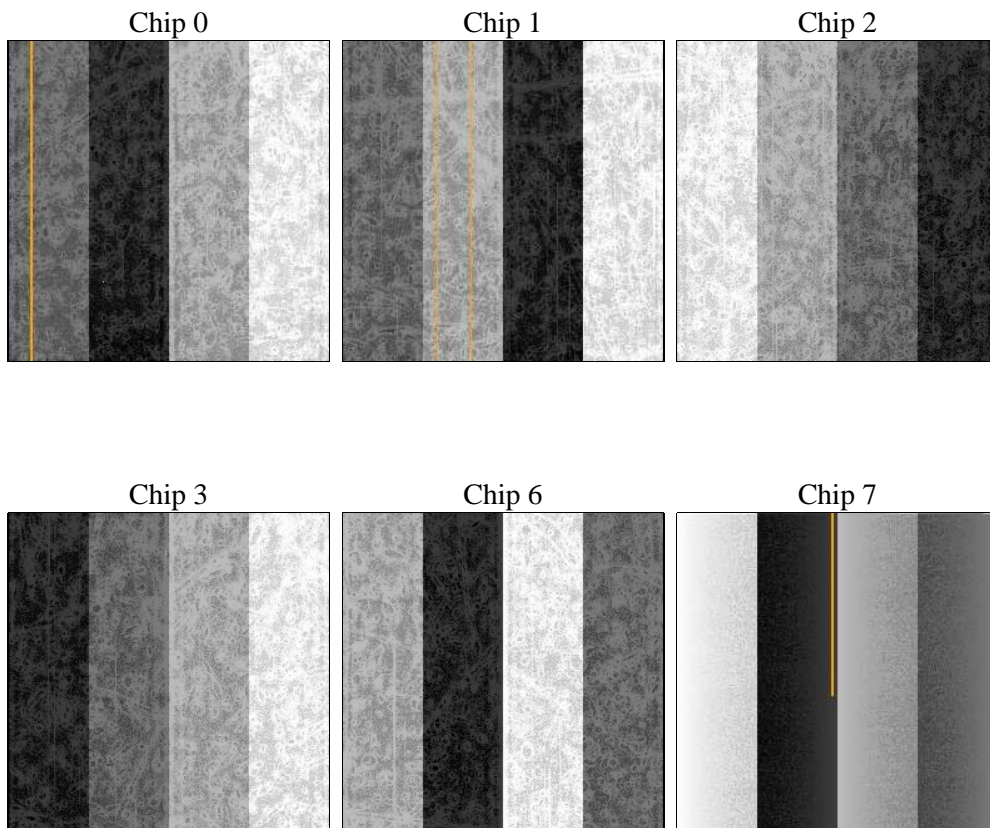
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	5132.7999809384	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	5132.7999809384	Sum of GTIs [s]
date	2012-05-25T05:04:41	Date and time of file creation	ontime1	5132.7999809384	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5132.7999809384	Sum of GTIs [s]
			ontime3	5132.7999809384	Sum of GTIs [s]
			ontime6	5132.7999809384	Sum of GTIs [s]
			ontime7	5132.7999809384	Sum of GTIs [s]
			l1events	256653	Number of level 1 events

### 2.1.4 Events

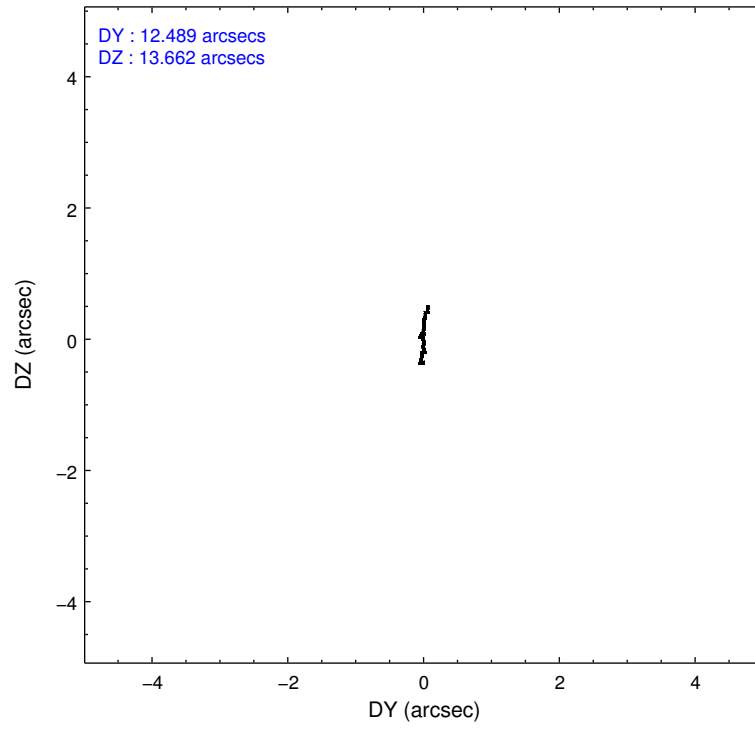
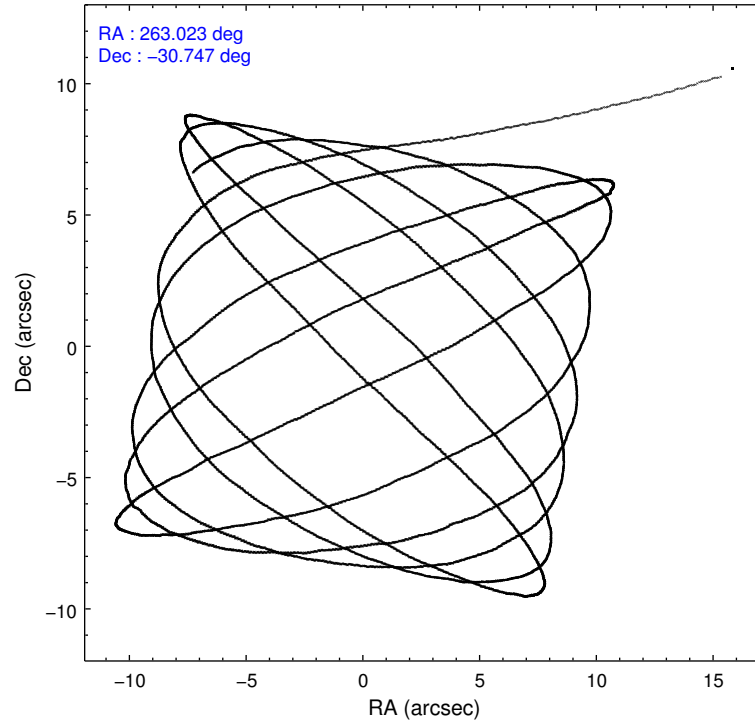
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	40389	40102	46821	43271	43408	42662	grade 0 events	1985	2204	2145	2019	2000	2181
rejected events	36016	35352	42429	39049	38951	23389		4%	5%	4%	4%	4%	5%
rejected %	89%	88%	90%	90%	89%	54%	grade 1 events	27	24	26	37	31	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	1205	1077	1101	956	1071	4673
								2%	2%	2%	2%	2%	10%
							grade 3 events	511	517	526	462	477	2018
								1%	1%	1%	1%	1%	4%
							grade 4 events	445	486	458	474	483	2011
								1%	1%	0%	1%	1%	4%
							grade 5 events	1277	1410	1200	1552	1490	4487
								3%	3%	2%	3%	3%	10%
							grade 6 events	770	959	740	769	949	10527
								1%	2%	1%	1%	2%	24%
							grade 7 events	34169	33425	40625	37002	36907	16701
								84%	83%	86%	85%	85%	39%

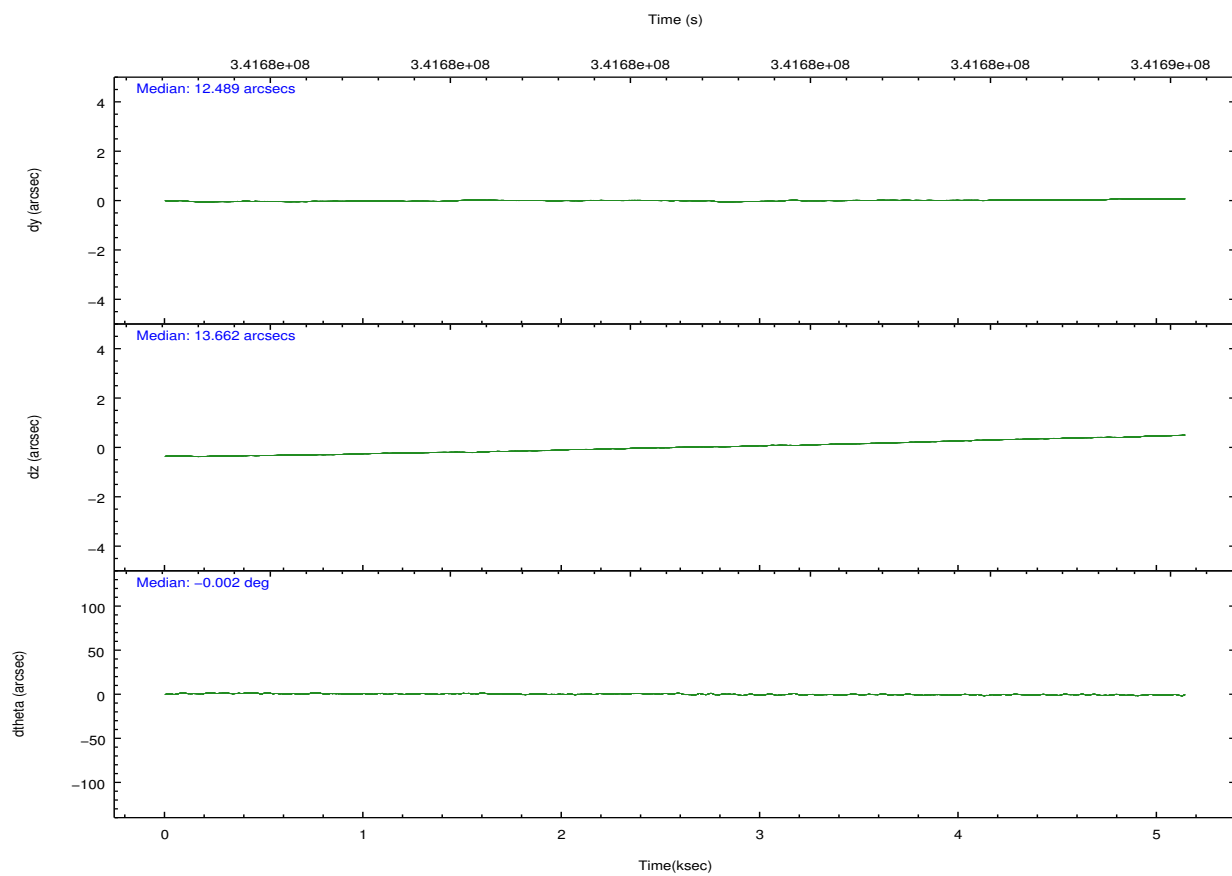
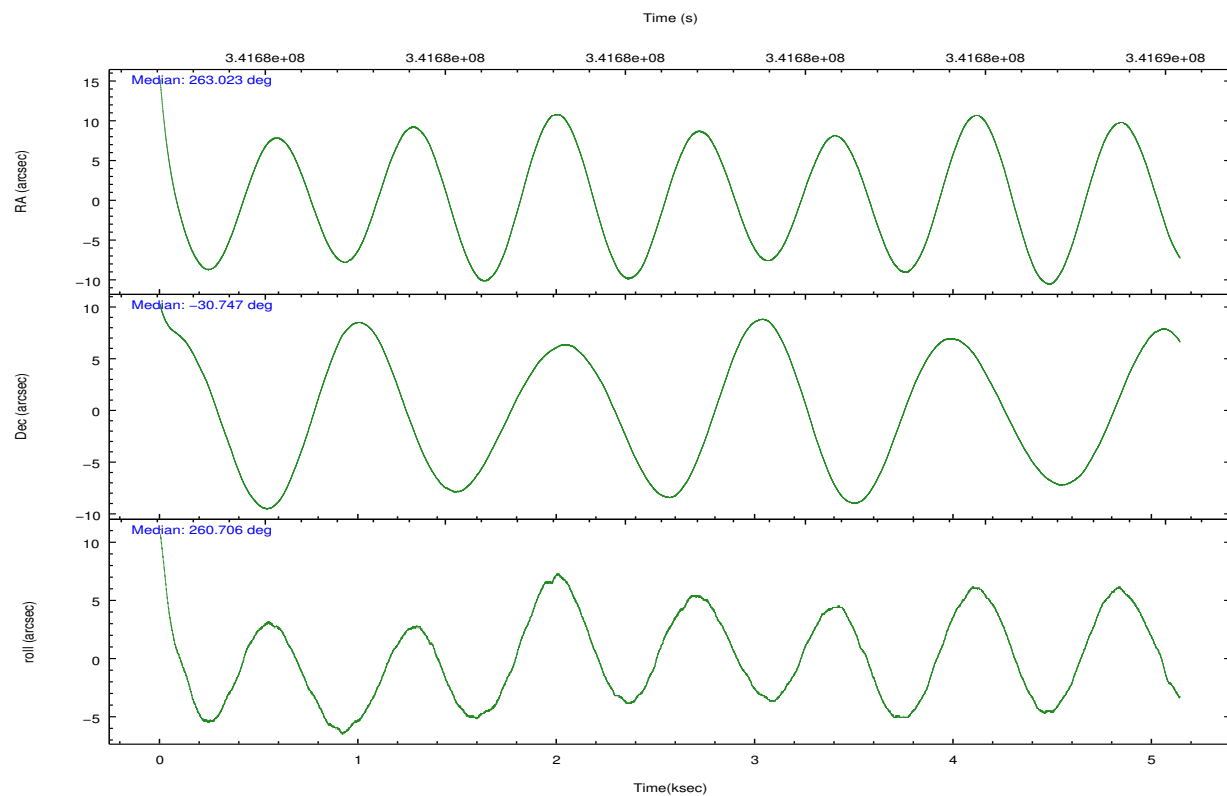


## 2.2 Compared Parameters

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	263.011960	263.0233973618874	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.721292	-30.74690970640798	CCD I3 on	Y	Y
[deg] Pointing Roll	260.498255	260.7127812969769	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	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	341680815.184000	341679509.25225	CCD S5 on	N	N
Observation start date	2008-10-29T15:19:10	2008-10-29T14:58:29	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	341685815.184000	341686778.5526	On-chip summing requested	N	N
Observation end date	2008-10-29T16:42:30	2008-10-29T16:59:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



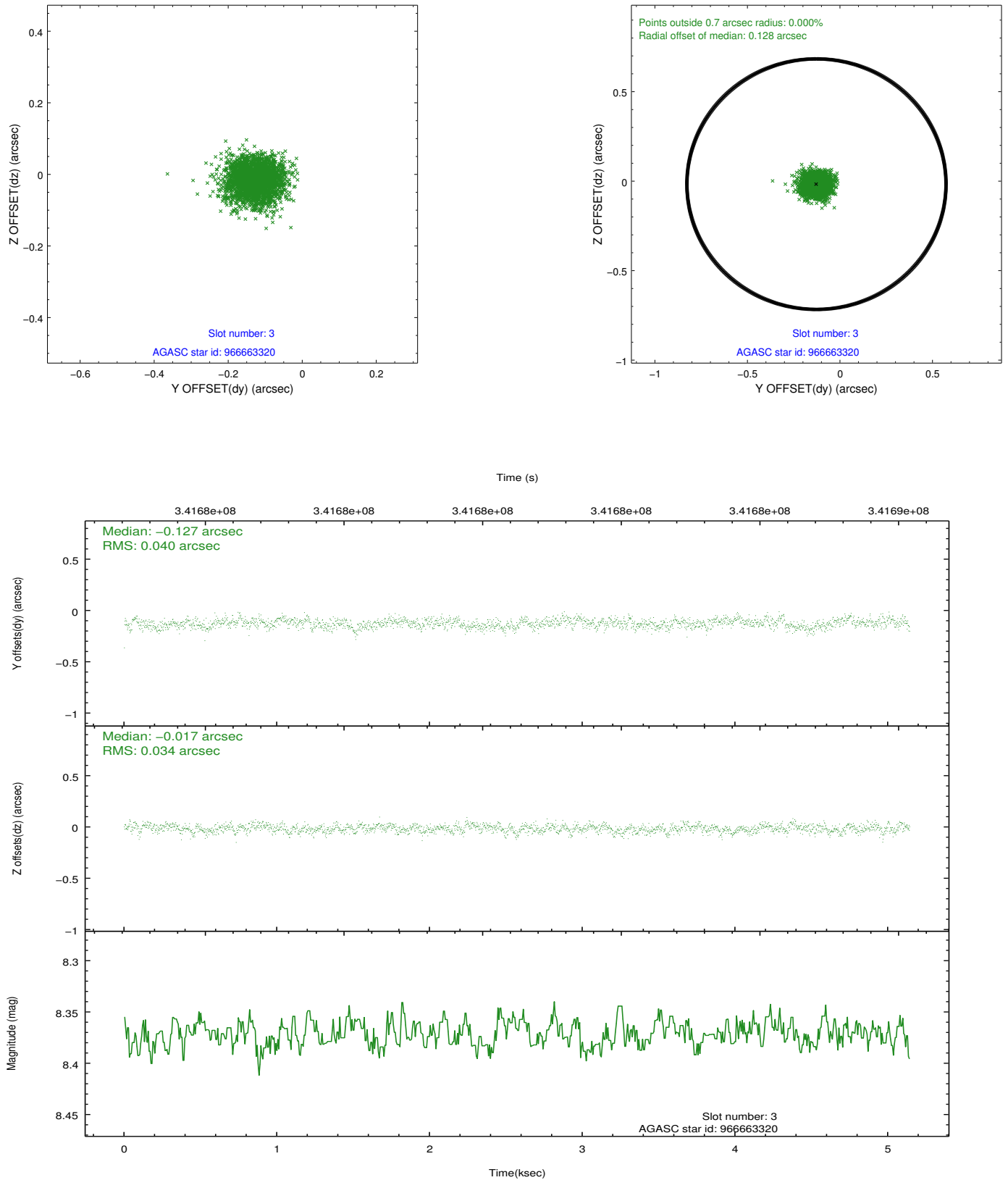


### Slot Statistics

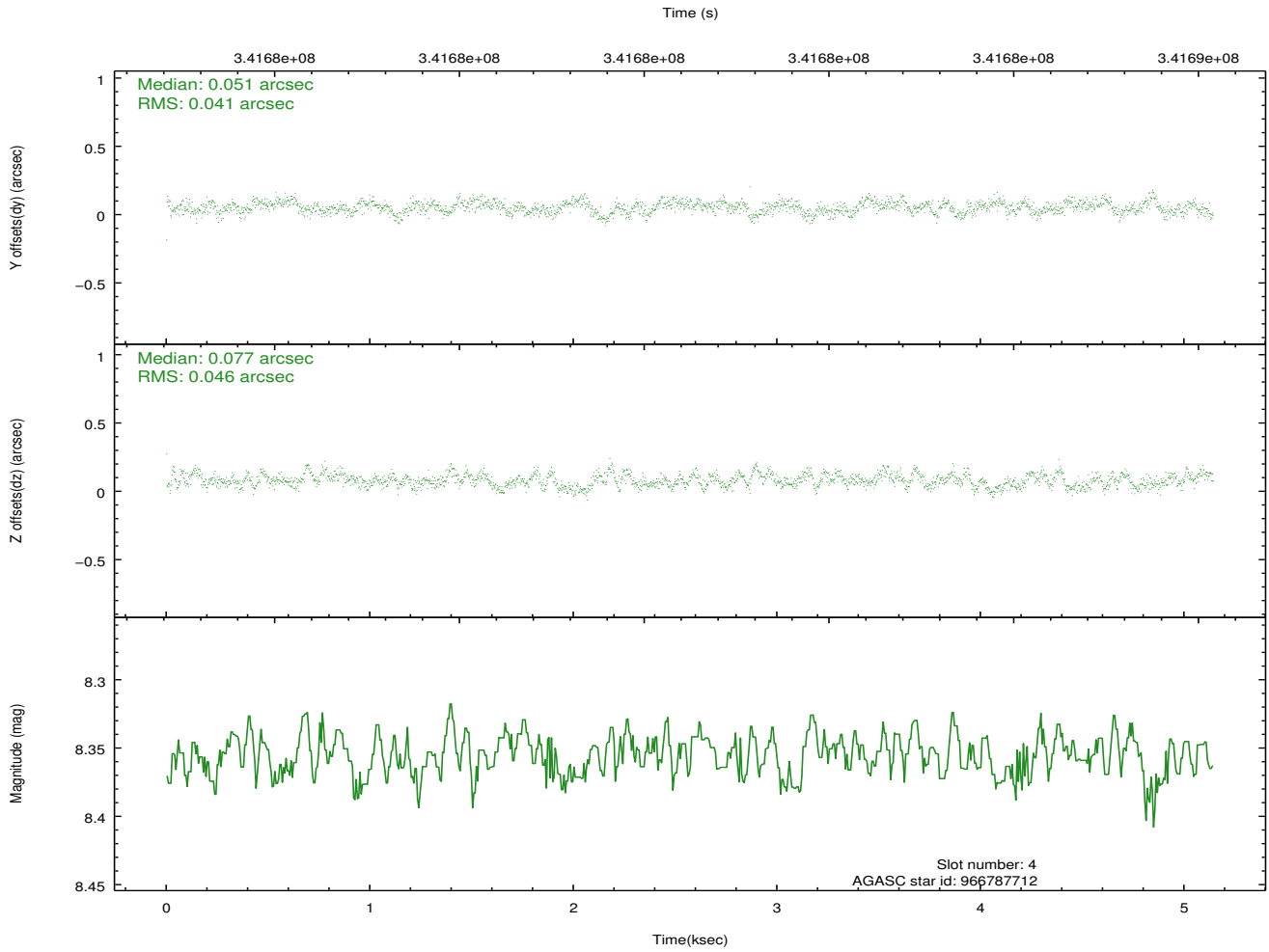
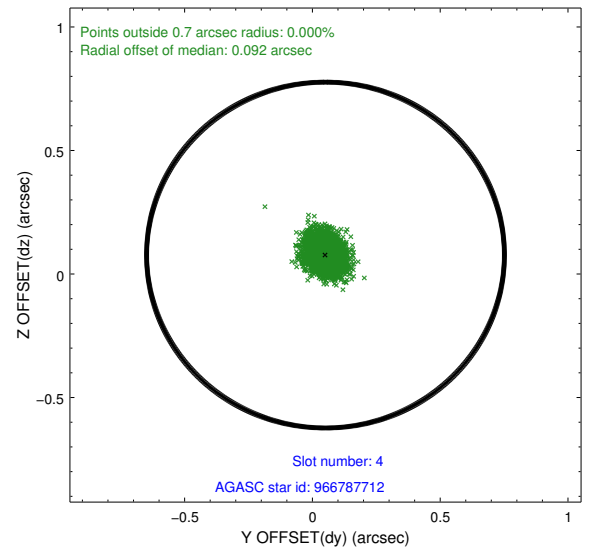
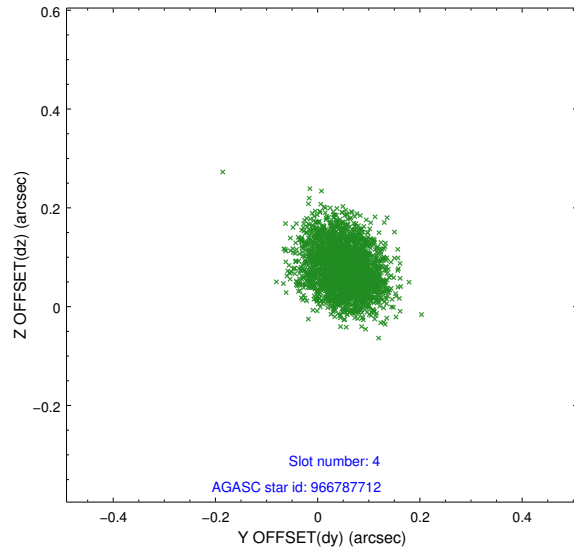
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.09	1254	0.050	-0.007	0.008	0.014	0.000000	0.000000	927.10	-837.24
1	FID	ACIS-I-5	7.08	1255	-0.208	0.058	0.008	0.013	0.000000	0.000000	-1820.63	1059.71
2	FID	ACIS-I-6	7.09	1254	0.067	0.018	0.008	0.014	0.000000	0.000000	391.36	1705.52
3	GUIDE	966663320	8.37	2508	-0.127	-0.017	0.056	0.091	263.144579	-30.119819	-2202.89	49.76
4	GUIDE	966787712	8.35	2509	0.051	0.077	0.067	0.105	263.530944	-31.066254	963.76	1784.45
5	GUIDE	966788616	8.80	2504	0.039	0.021	0.060	0.099	263.482843	-31.275596	1732.78	1759.97
6	GUIDE	966659240	8.11	2504	0.107	-0.183	0.077	0.122	262.189777	-30.931568	1176.54	-2376.74
7	GUIDE	966787992	7.73	2508	-0.076	0.101	0.059	0.096	263.507229	-30.411177	-1350.90	1332.03

## 2.4 Star Slots

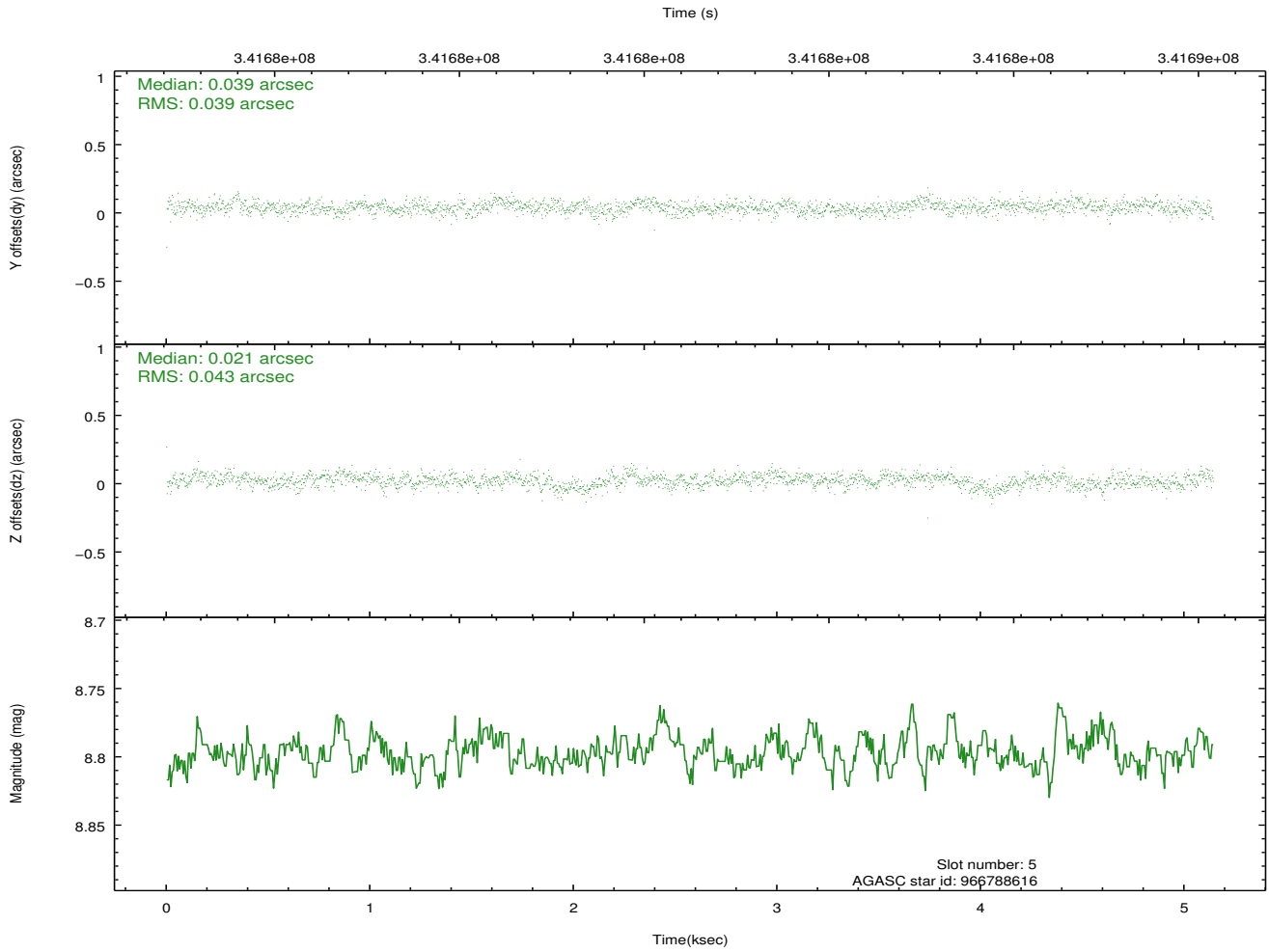
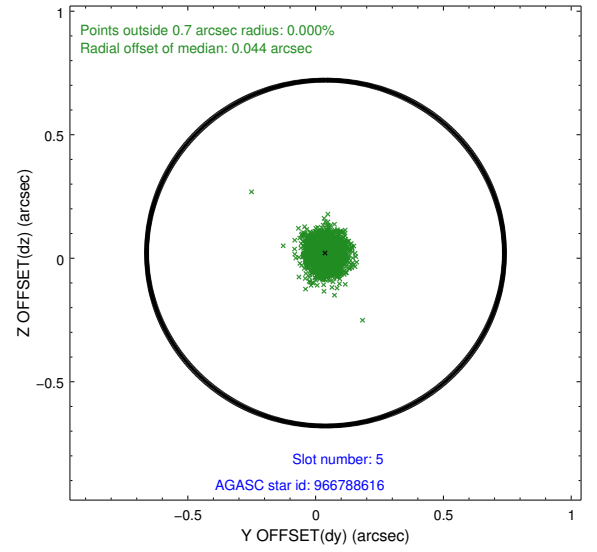
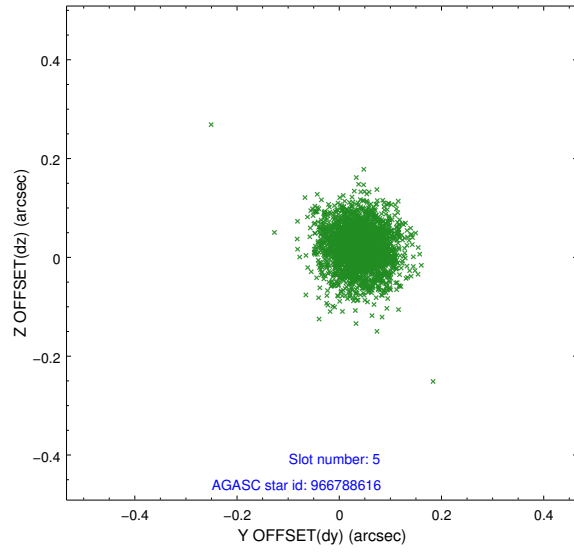
### 2.4.1 Slot 3



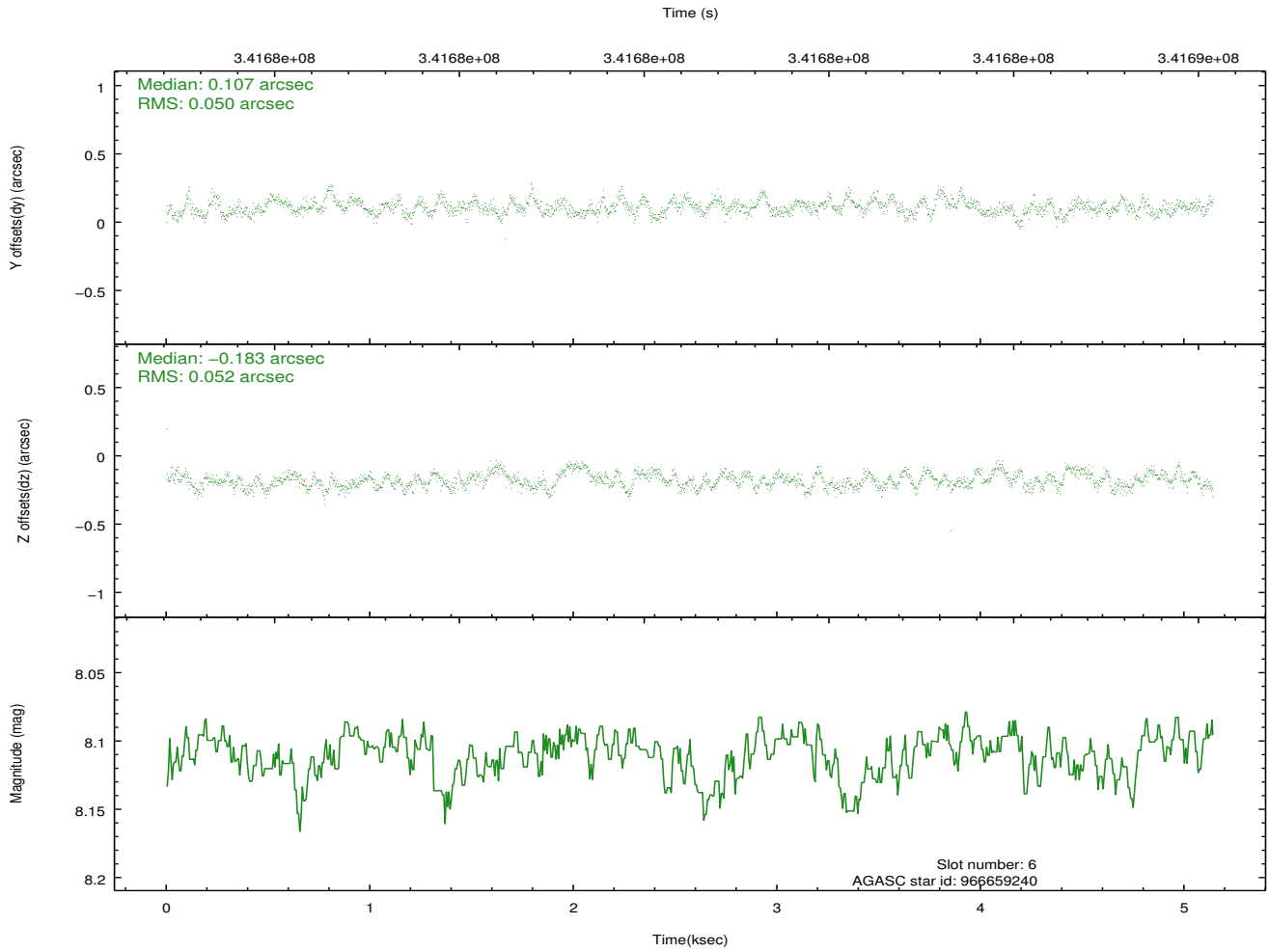
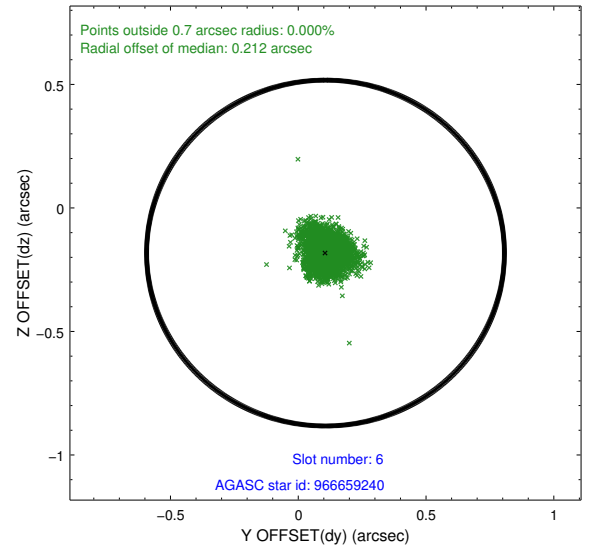
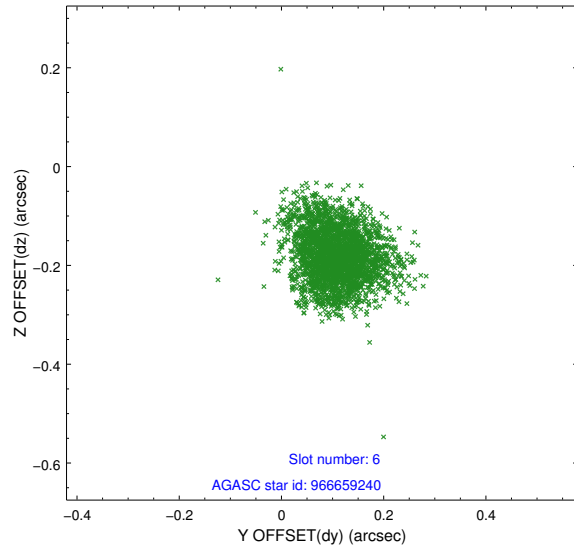
## 2.4.2 Slot 4



### 2.4.3 Slot 5

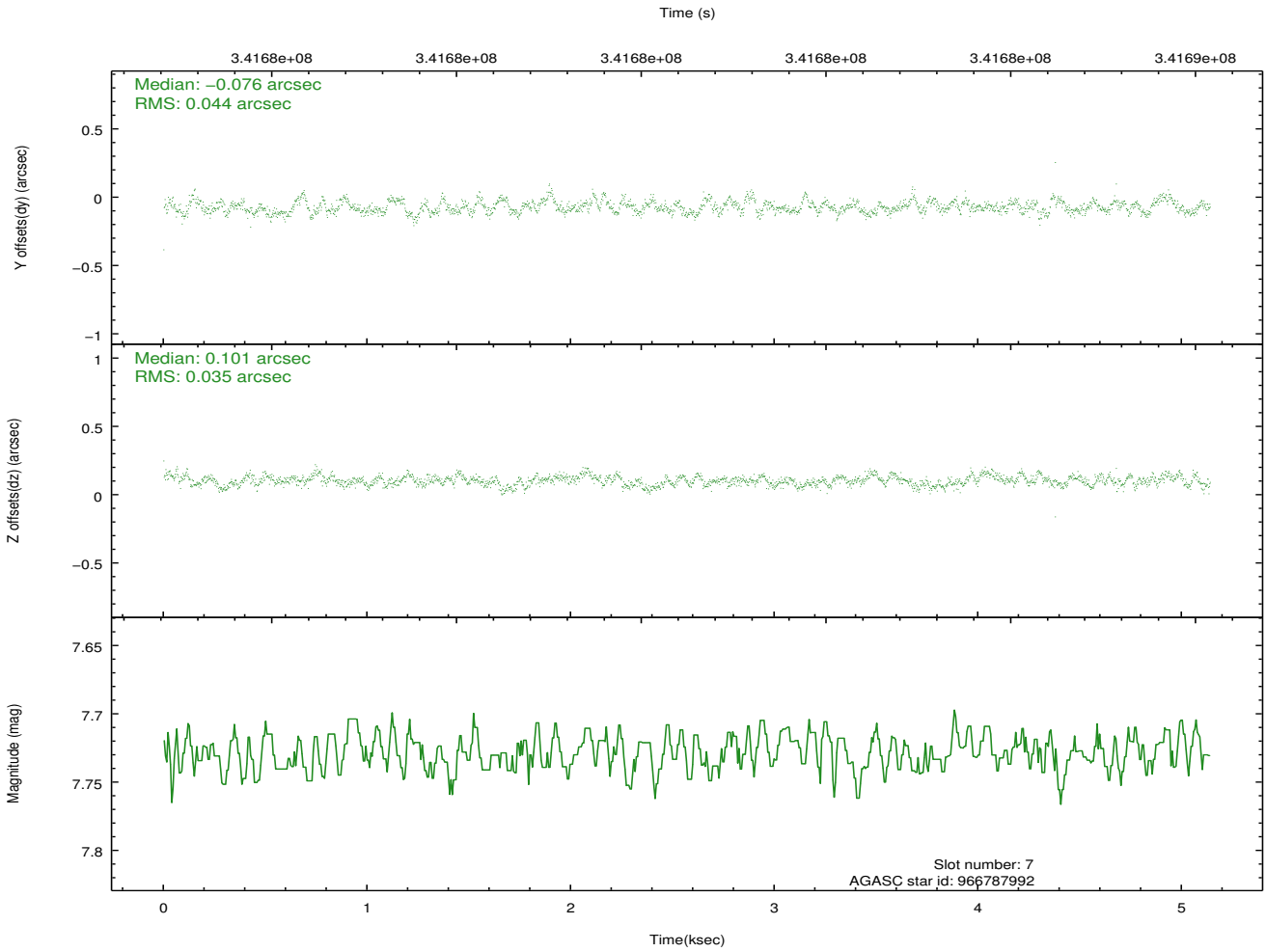
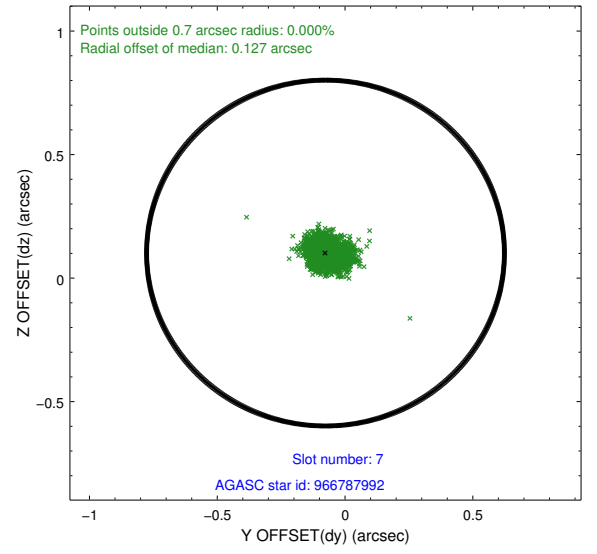
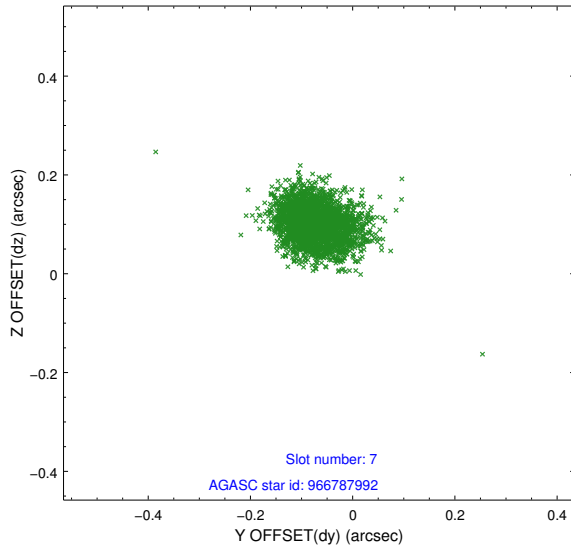


## 2.4.4 Slot 6



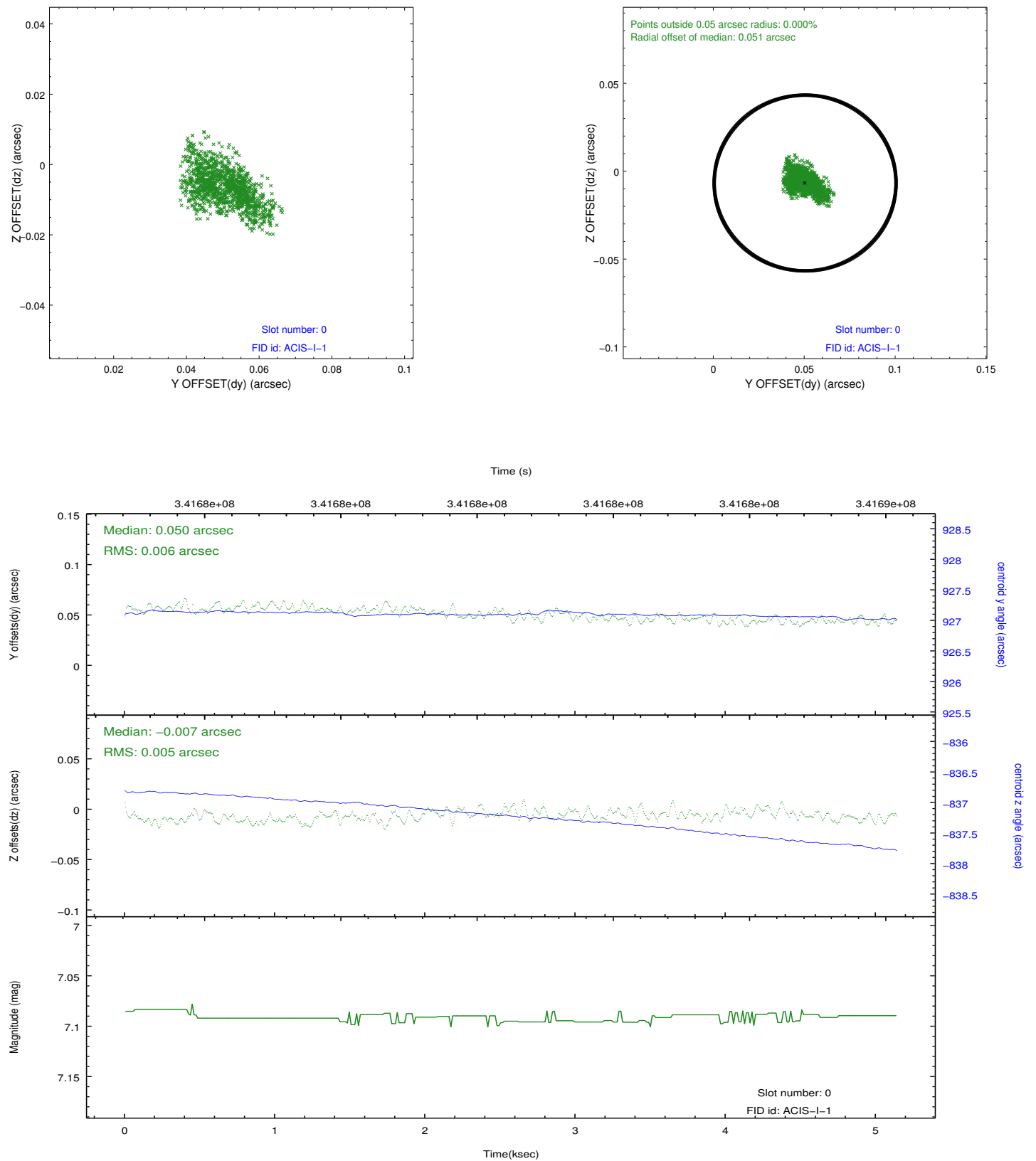


## 2.4.5 Slot 7

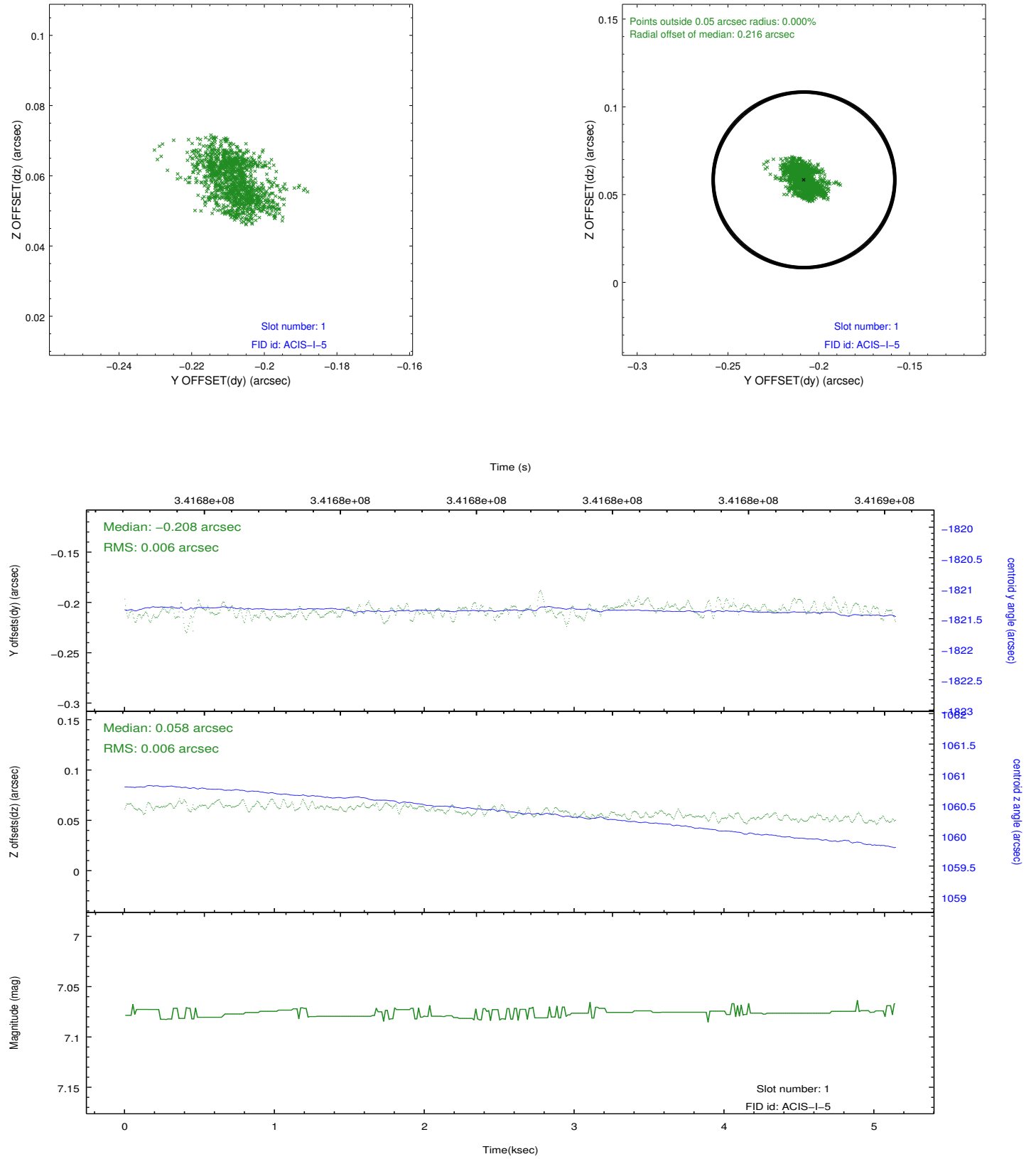


## 2.5 FID Slots

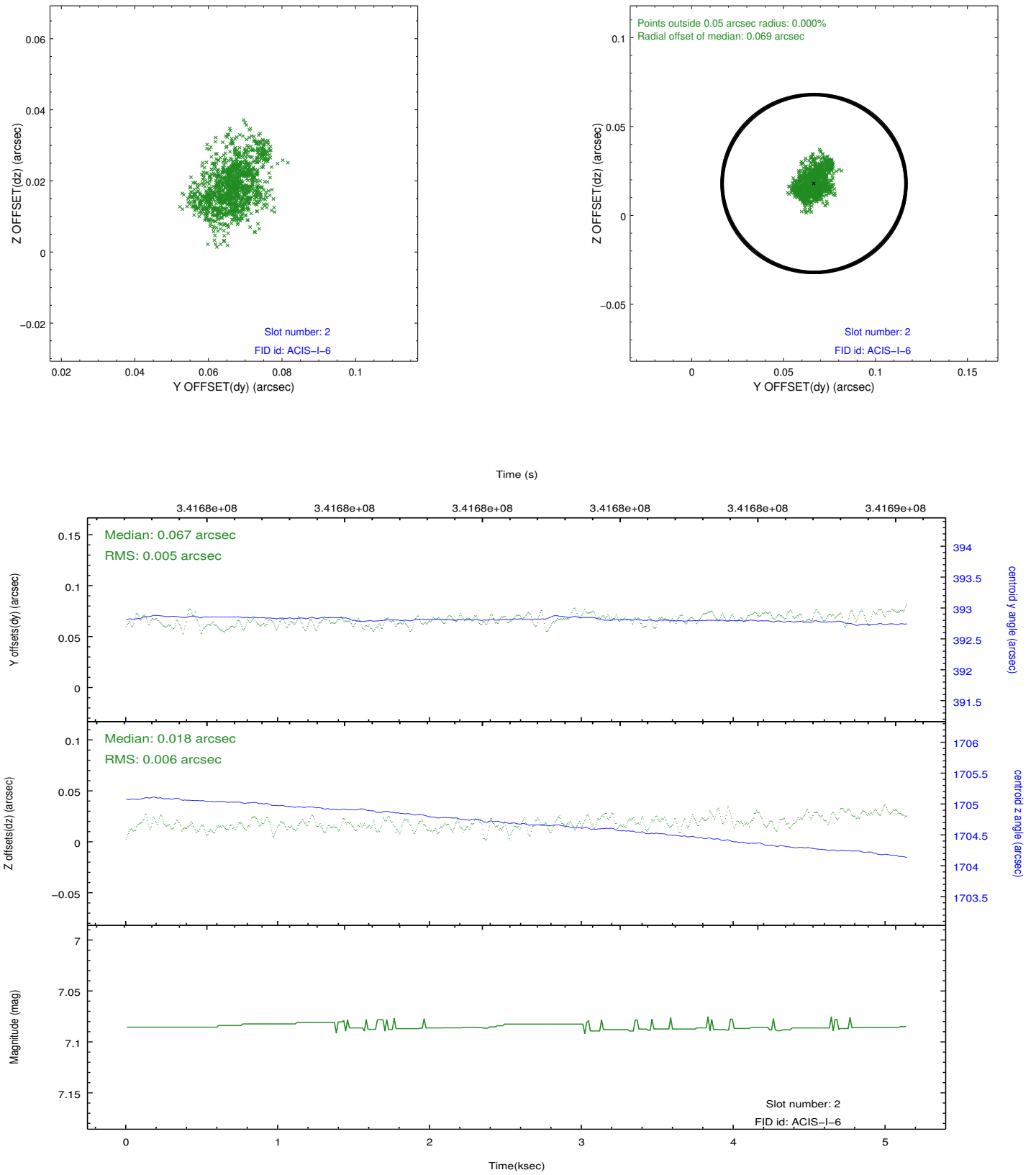
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.13279998

### A.2 Comments