

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6992 - L2 Version 2  
Chandra X-Ray Center

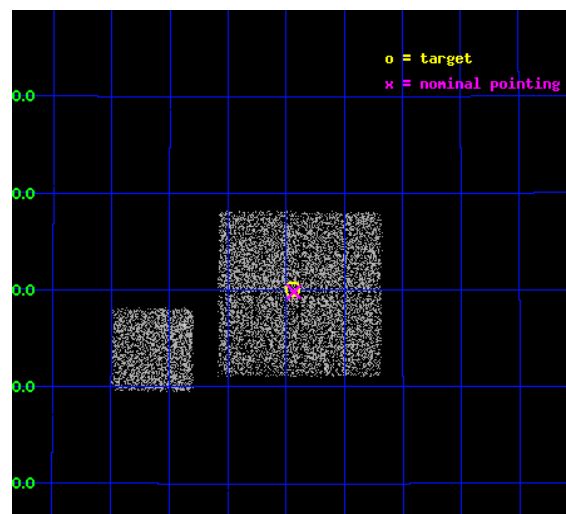
L2 Processing Date : Apr 7 2012

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# 1 Front

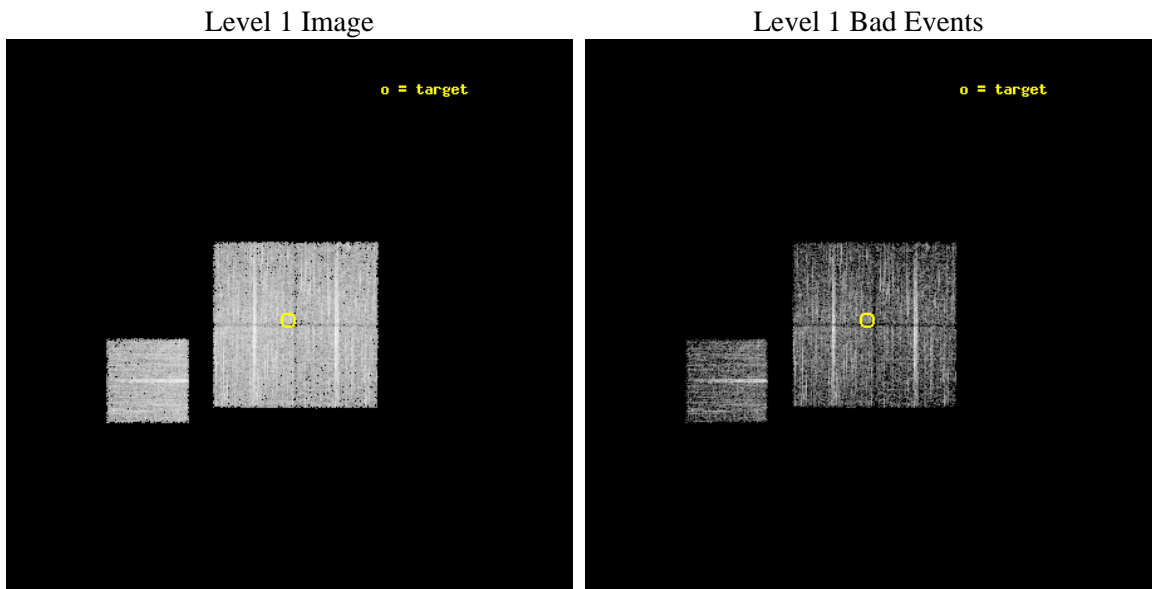
seq_num	900408	Sequence number
obs_id	6992	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (A)	Propo
observer	Dr Stephen Murray	Principal investigator
object	Bootes2 14	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.23557	Observer's specified target RA [deg]
dec_targ	35.50136	Observer's specified target Dec [deg]
ra_nom	218.23337592615	Nominal RA [deg]
dec_nom	35.497056596891	Nominal Dec [deg]
roll_nom	270.20997794866	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4475.9900892973	Sum of GTIs [s]
livetime	4417.5079836047	Livetime [s]
ontime0	4475.866949439	Sum of GTIs [s]
ontime1	4472.767019093	Sum of GTIs [s]
ontime2	4475.949049294	Sum of GTIs [s]
ontime3	4475.9900892973	Sum of GTIs [s]
ontime6	4475.8259292841	Sum of GTIs [s]
l2events	12794	Number of level 2 events



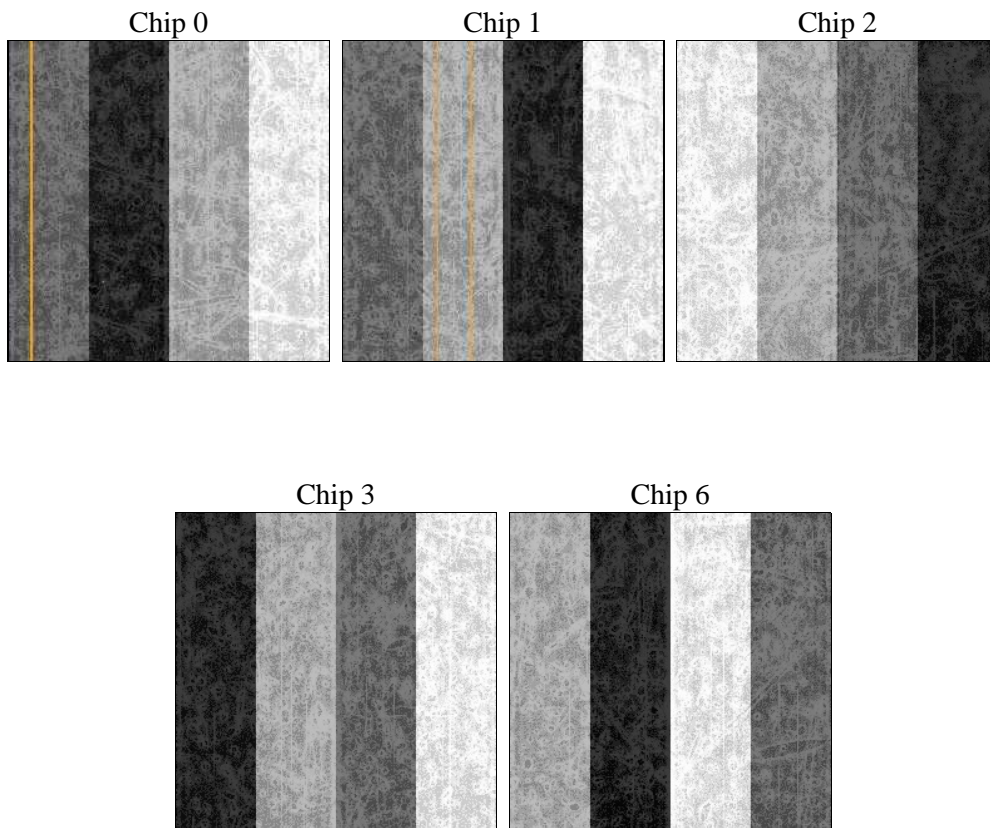
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4475.9900892973	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	4475.866949439	Sum of GTIs [s]
date	2012-04-07T09:05:00	Date and time of file creation	ontime1	4472.767019093	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4475.949049294	Sum of GTIs [s]
			ontime3	4475.9900892973	Sum of GTIs [s]
			ontime6	4475.8259292841	Sum of GTIs [s]
			l1events	159609	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	30390	30044	36170	30838	32167
rejected events	27343	26879	33059	27883	28898
rejected %	89%	89%	91%	90%	89%

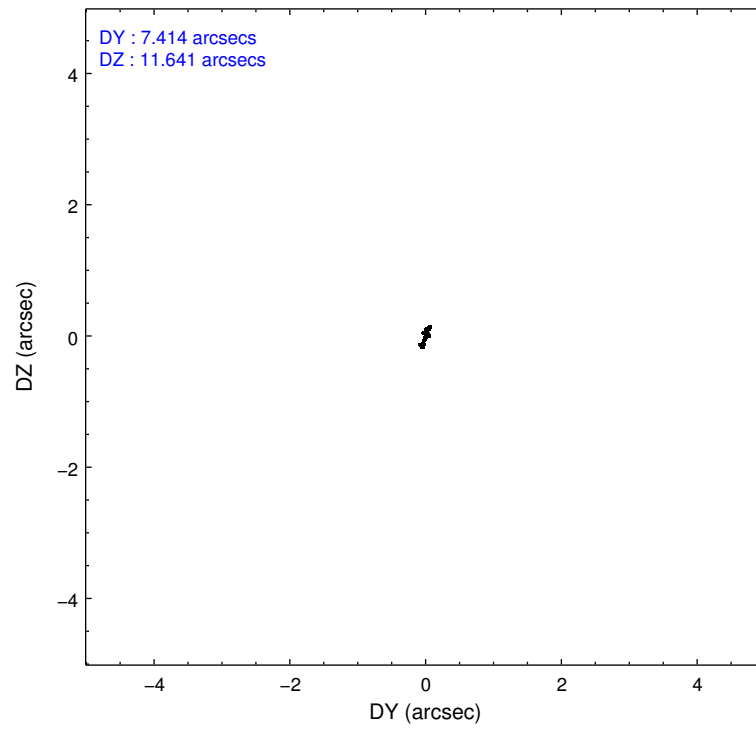
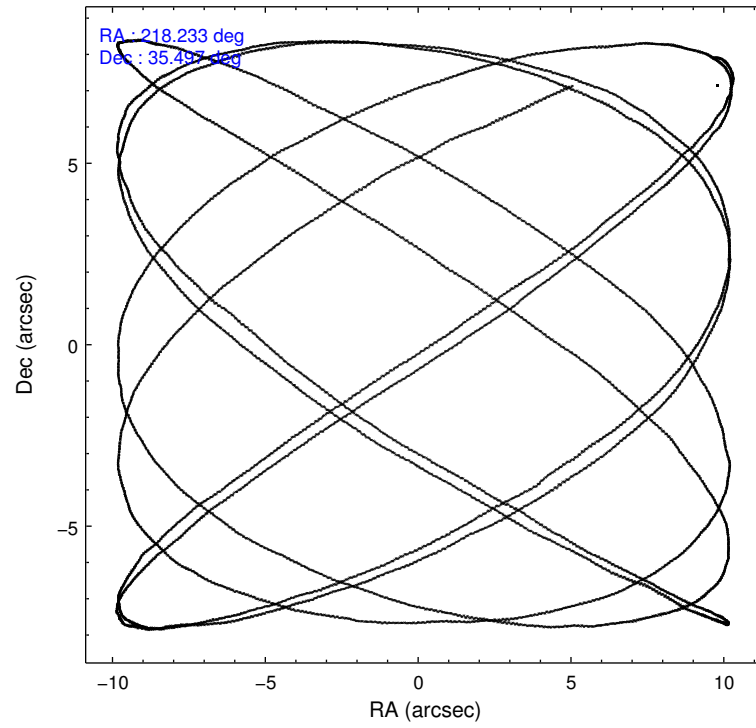
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1140	1084	1121	1083	1179
	3%	3%	3%	3%	3%
grade 1 events	13	8	15	21	11
	0%	0%	0%	0%	0%
grade 2 events	692	625	754	607	709
	2%	2%	2%	1%	2%
grade 3 events	359	428	329	339	355
	1%	1%	0%	1%	1%
grade 4 events	317	375	335	356	396
	1%	1%	0%	1%	1%
grade 5 events	923	960	904	1101	1077
	3%	3%	2%	3%	3%
grade 6 events	539	660	575	575	638
	1%	2%	1%	1%	1%
grade 7 events	26407	25904	32137	26756	27802
	86%	86%	88%	86%	86%

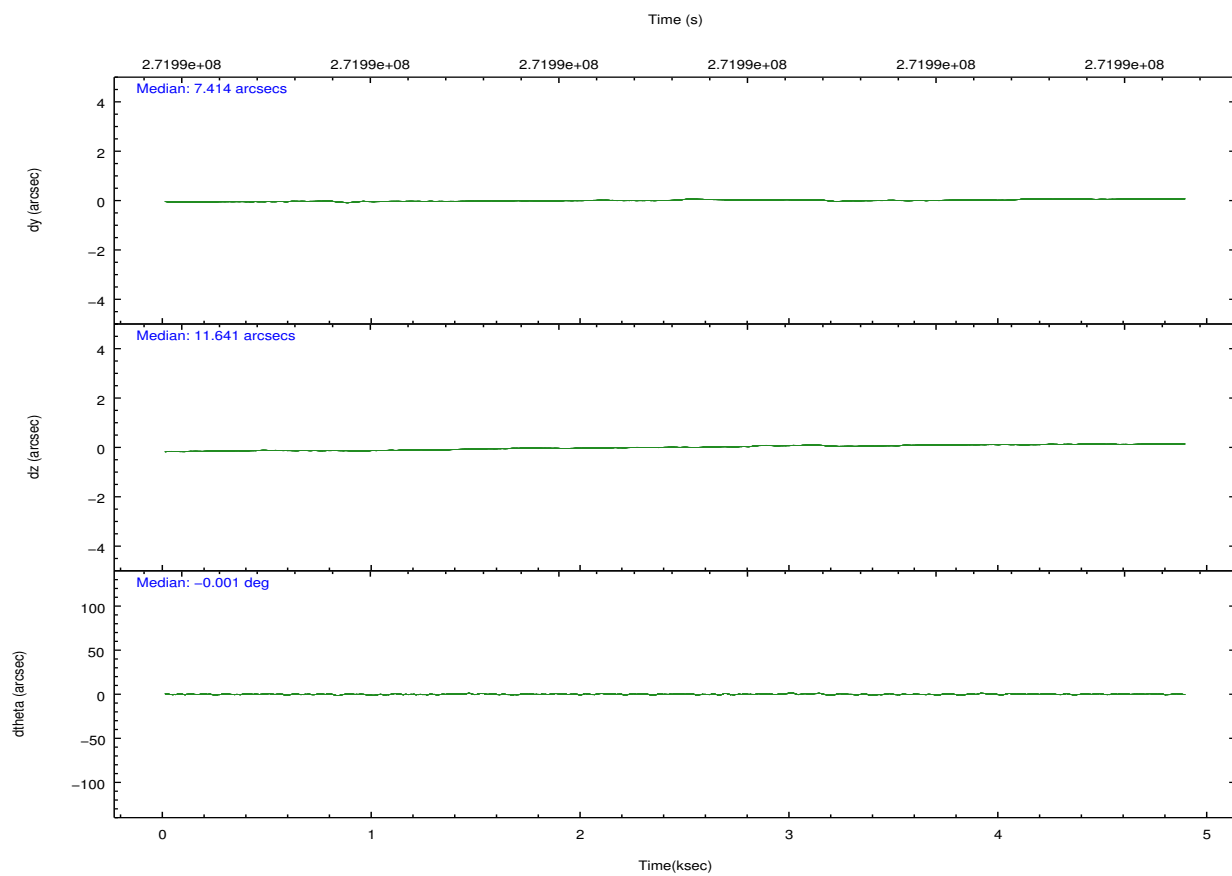
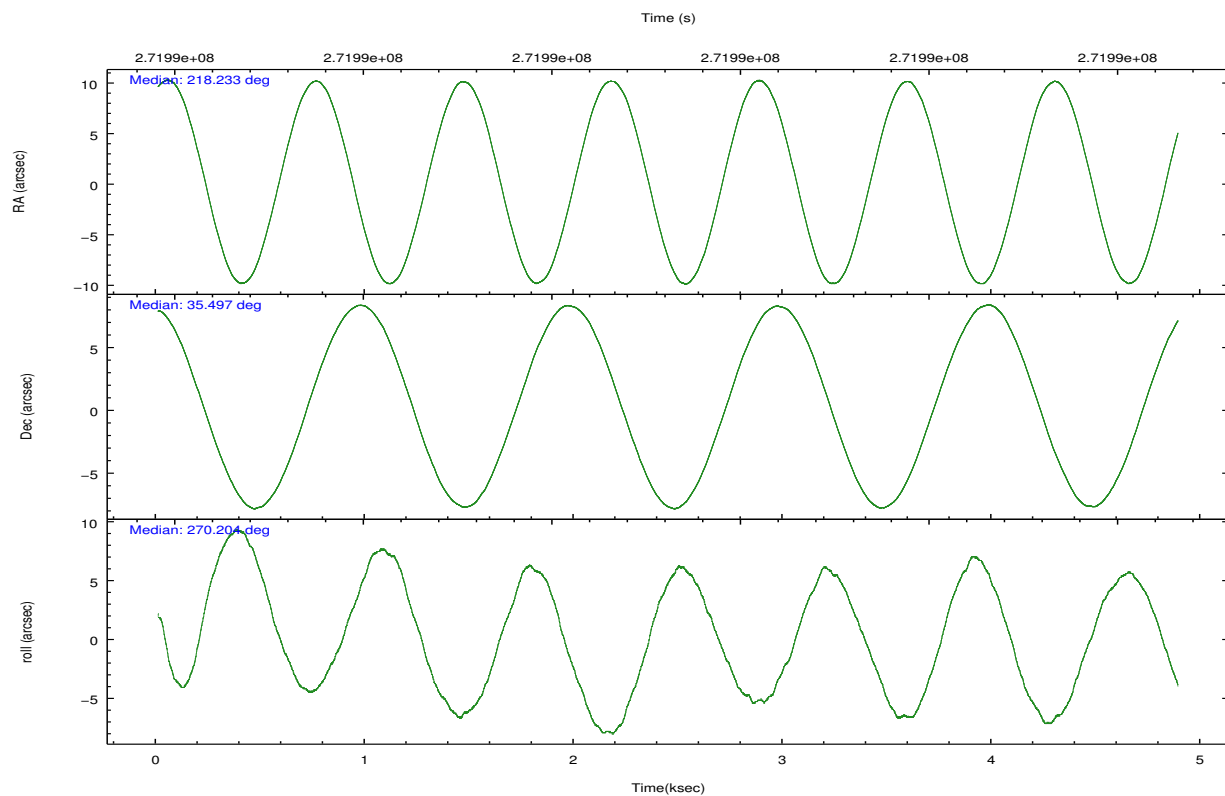


## 2.2 Compared Parameters

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	218.216347	218.2333759261466	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.520725	35.4970565968908	Alternating exposures requested	N	N
[deg] Pointing Roll	270.011190	270.2099779486562	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	271987363.184000	271986987.60126			
Observation start date	2006-08-15T00:01:38	2006-08-14T23:56:27			
[s] Observation end time (MET)	271992063.184000	271992197.67651			
Observation end date	2006-08-15T01:19:58	2006-08-15T01:23:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect



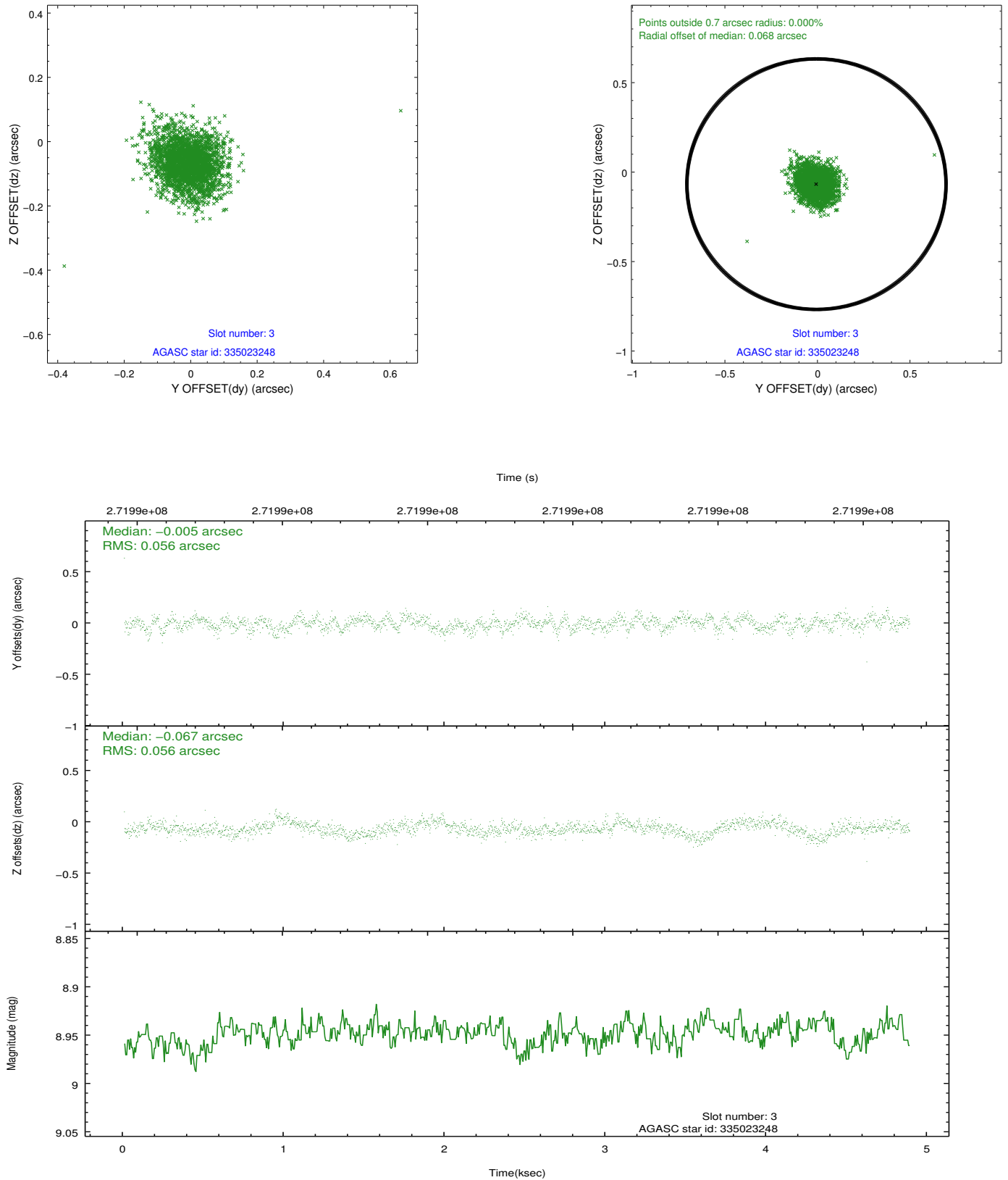


### Slot Statistics

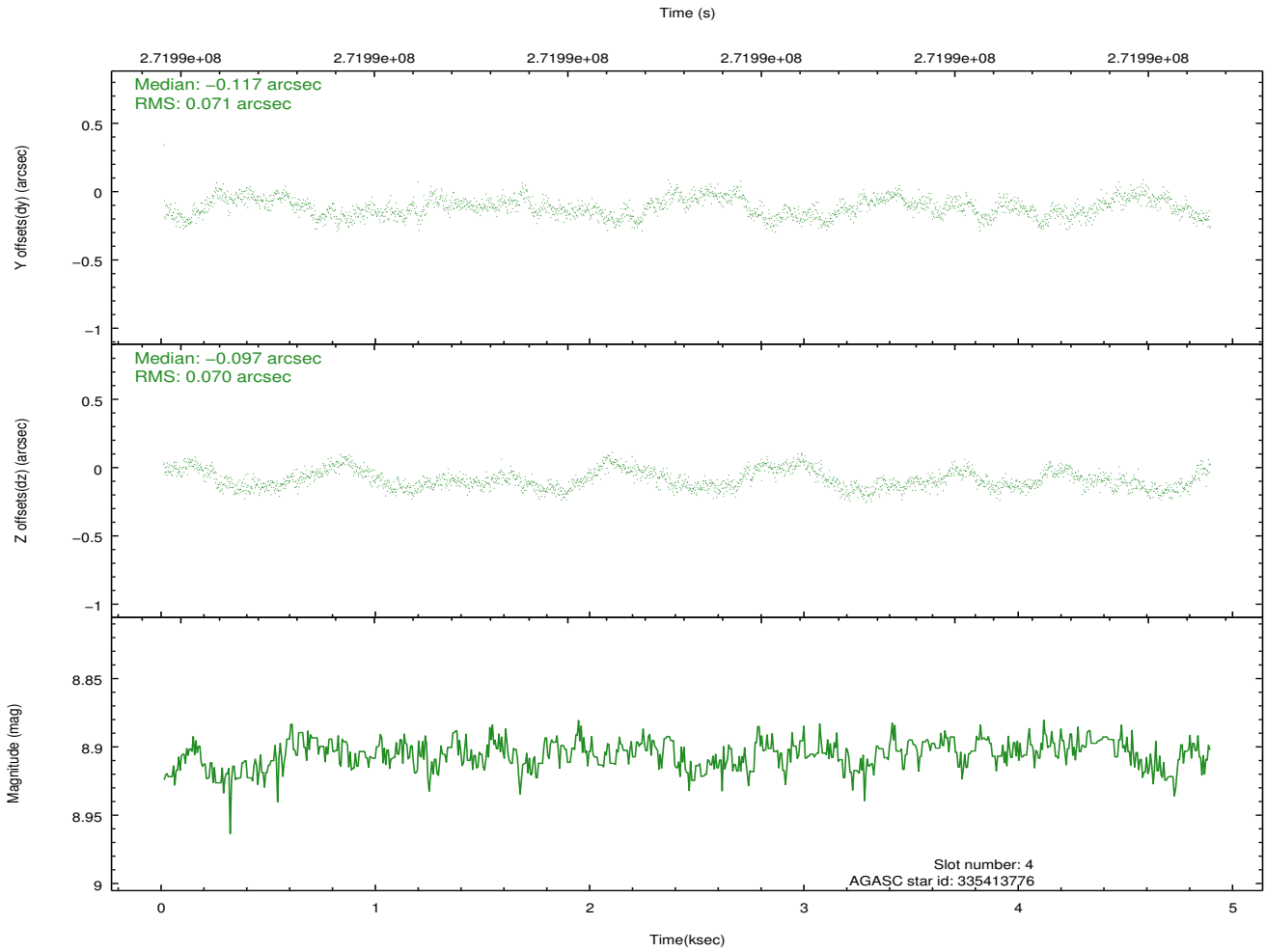
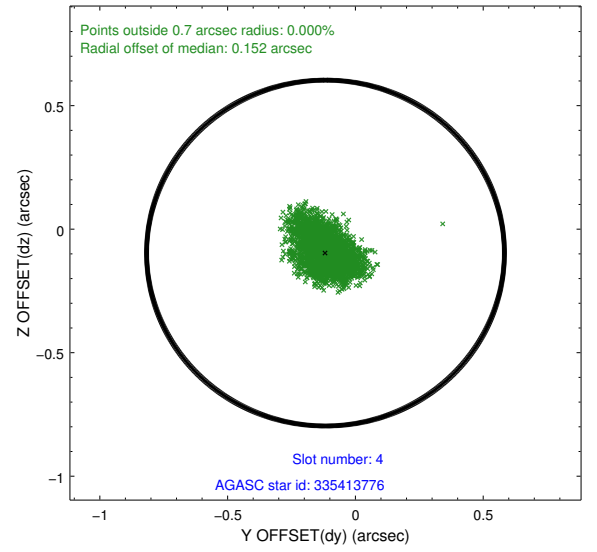
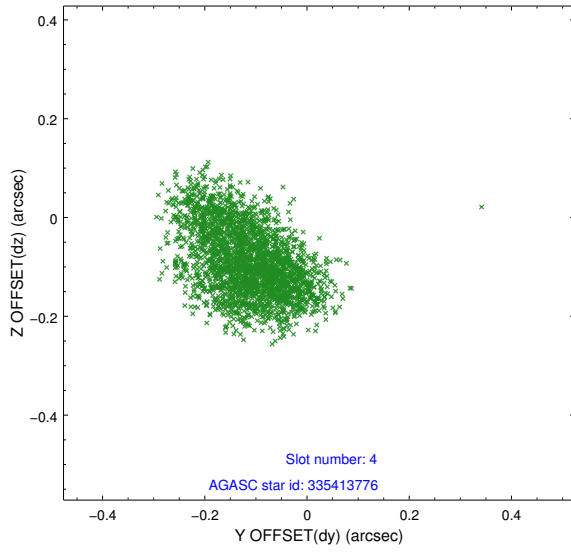
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1191	0.057	-0.056	0.007	0.011	0.000000	0.000000	932.30	-835.22
1	FID	ACIS-I-5	7.23	1191	-0.175	0.063	0.006	0.010	0.000000	0.000000	-1815.32	1061.80
2	FID	ACIS-I-6	7.24	1191	0.027	0.063	0.007	0.012	0.000000	0.000000	396.49	1707.69
3	GUIDE	335023248	8.95	2381	-0.005	-0.067	0.082	0.135	217.634832	34.944512	2069.41	-1716.06
4	GUIDE	335413776	8.91	2382	-0.117	-0.097	0.107	0.168	218.421411	36.051962	-1912.16	596.24
5	GUIDE	335414336	8.95	2383	0.078	0.106	0.082	0.131	218.979022	35.090910	1538.43	2247.13
6	GUIDE	335415168	9.79	2378	-0.006	-0.019	0.111	0.180	217.681296	35.301767	784.56	-1571.71
7	GUIDE	335421696	8.97	2379	0.048	0.075	0.097	0.146	218.045699	35.772449	-905.84	-498.32

## 2.4 Star Slots

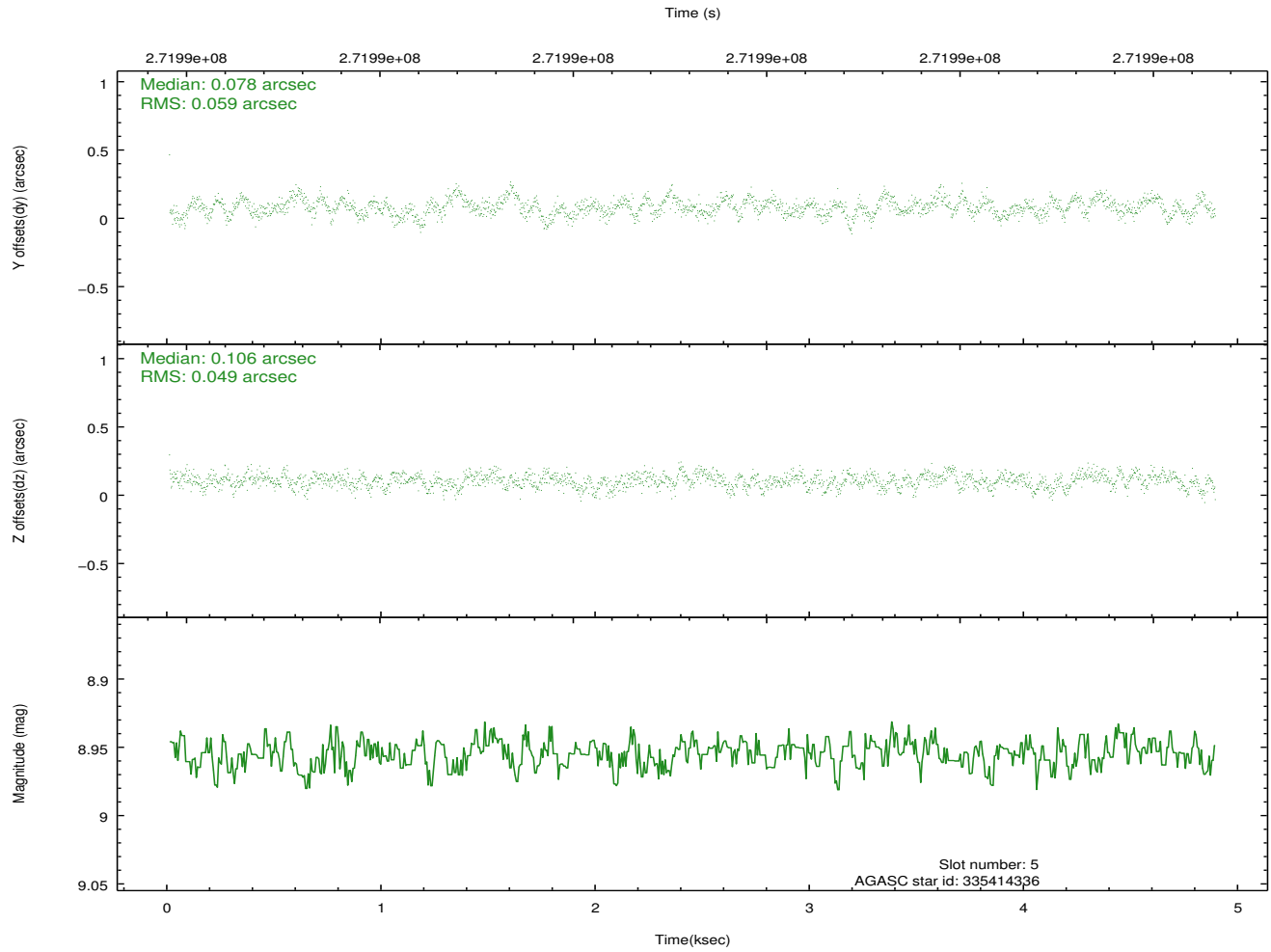
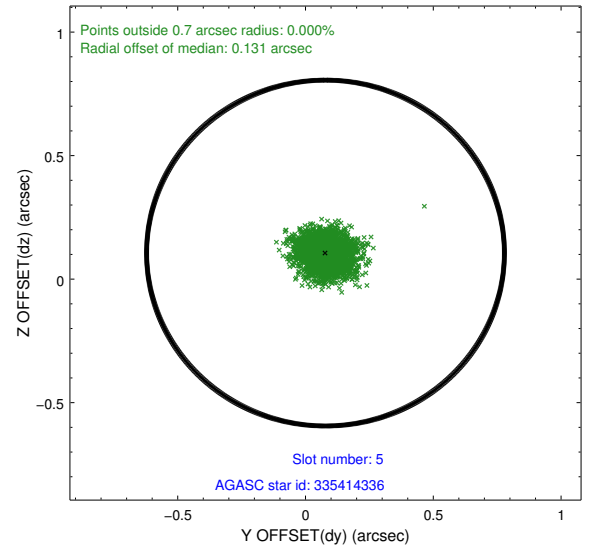
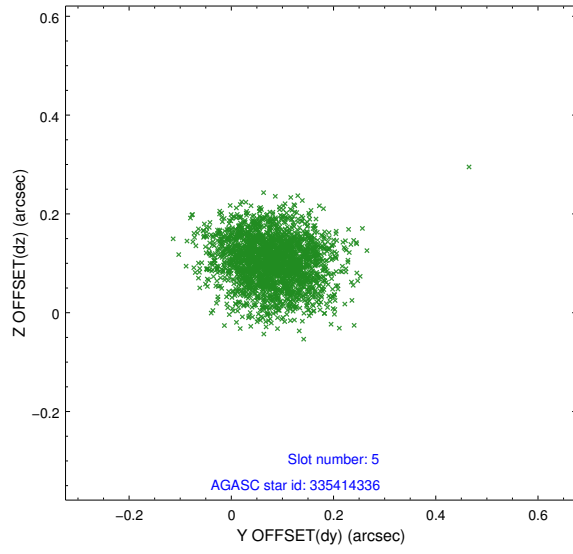
### 2.4.1 Slot 3



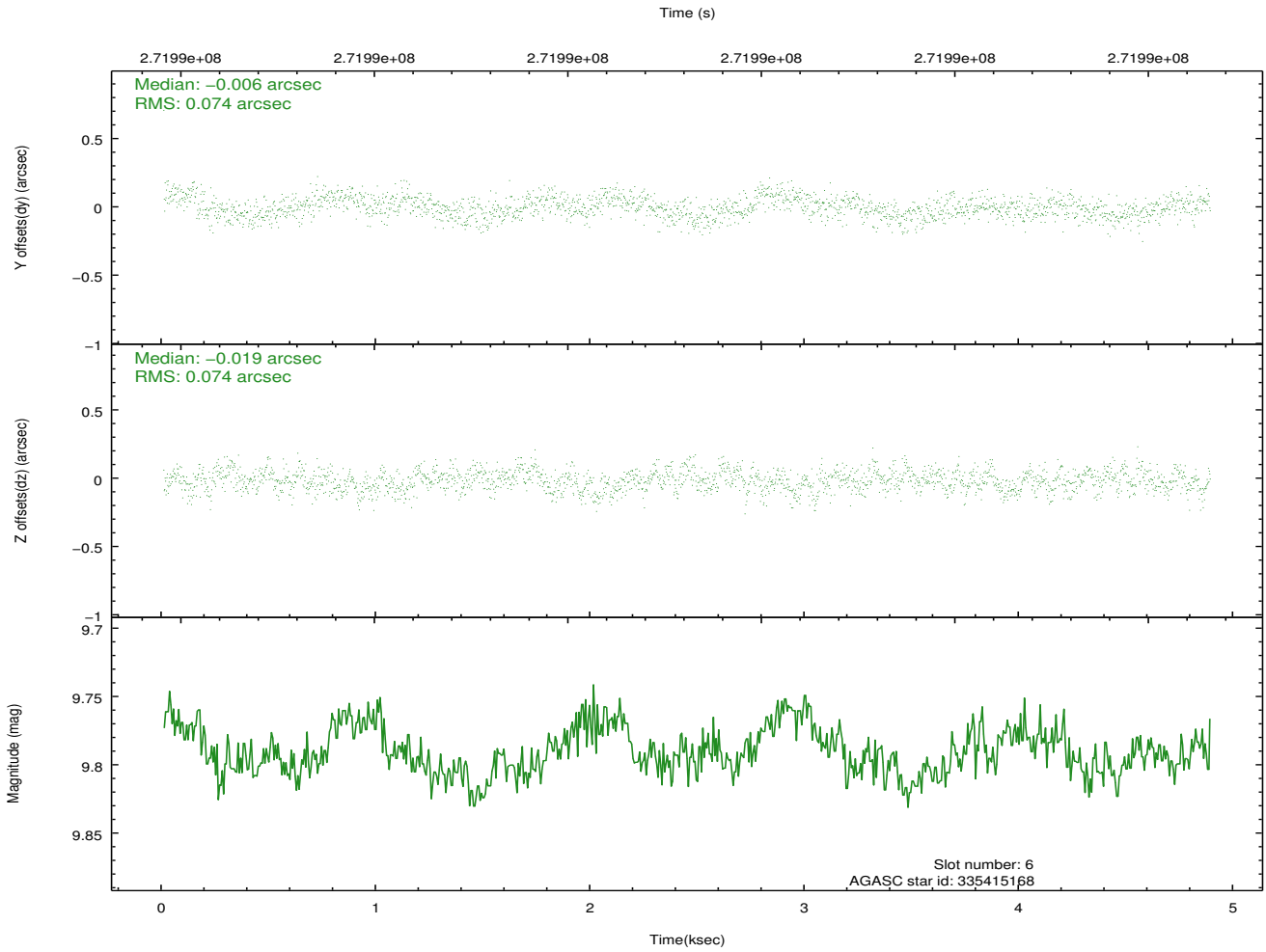
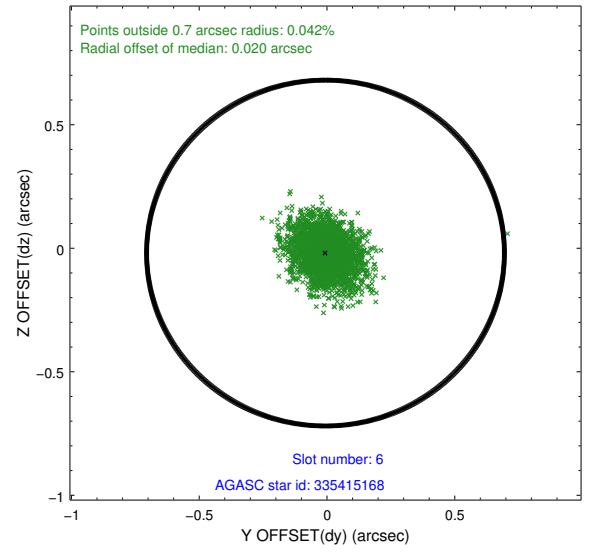
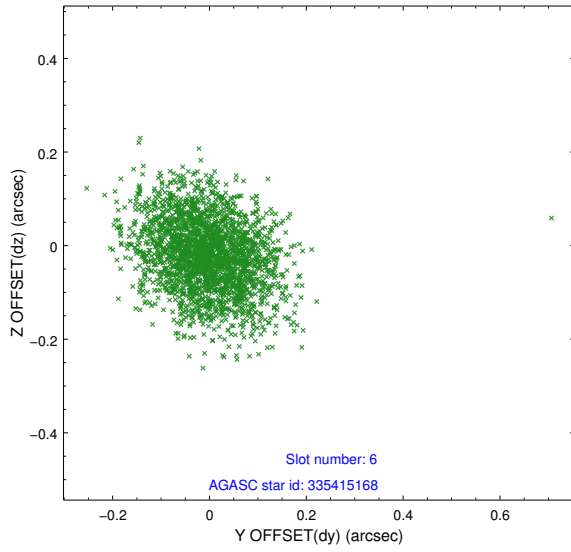
## 2.4.2 Slot 4



### 2.4.3 Slot 5

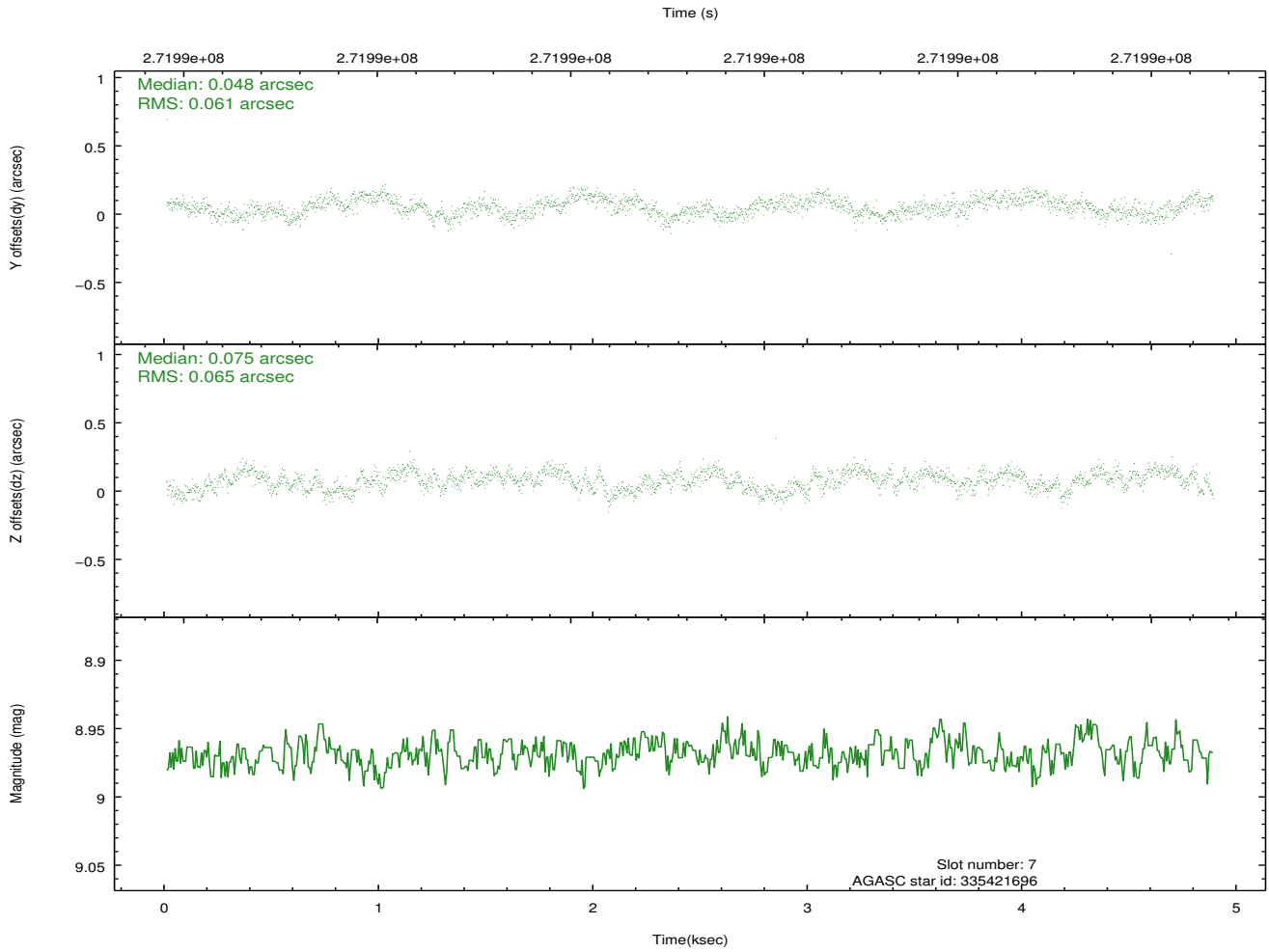
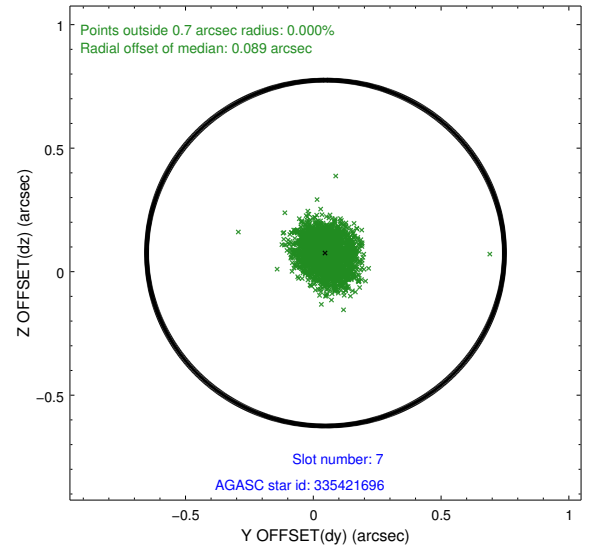
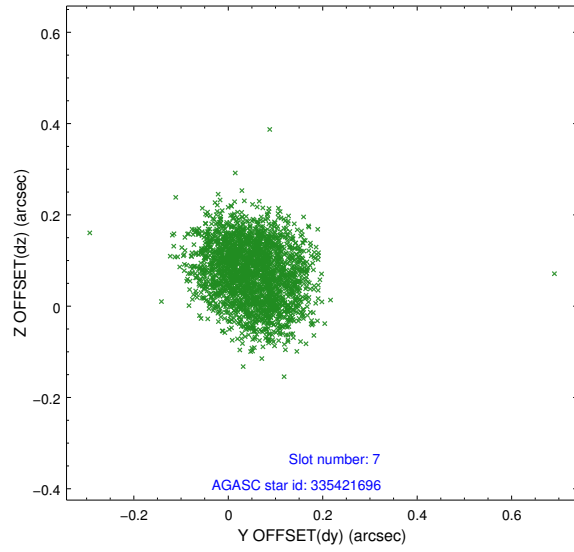


## 2.4.4 Slot 6



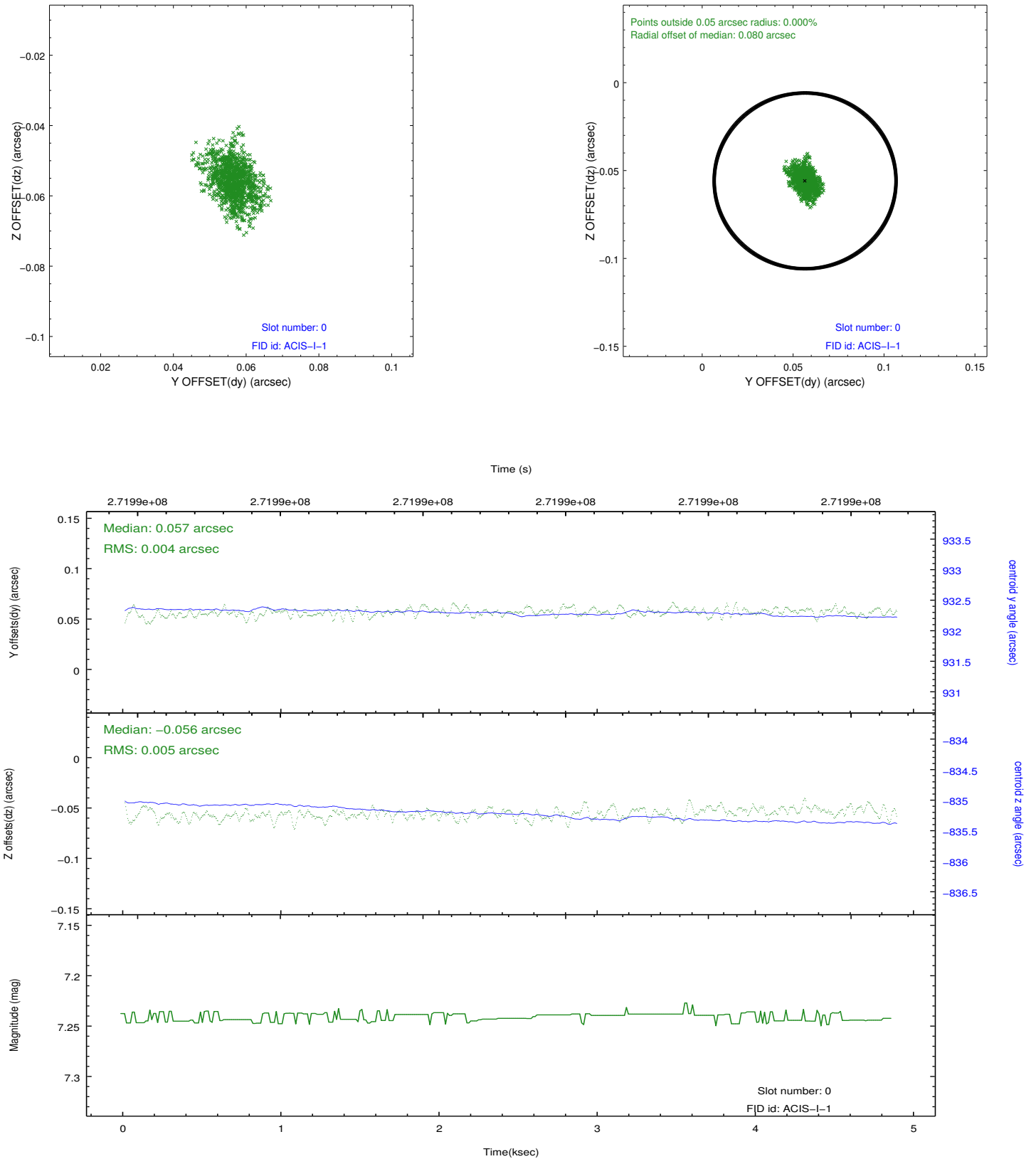


## 2.4.5 Slot 7

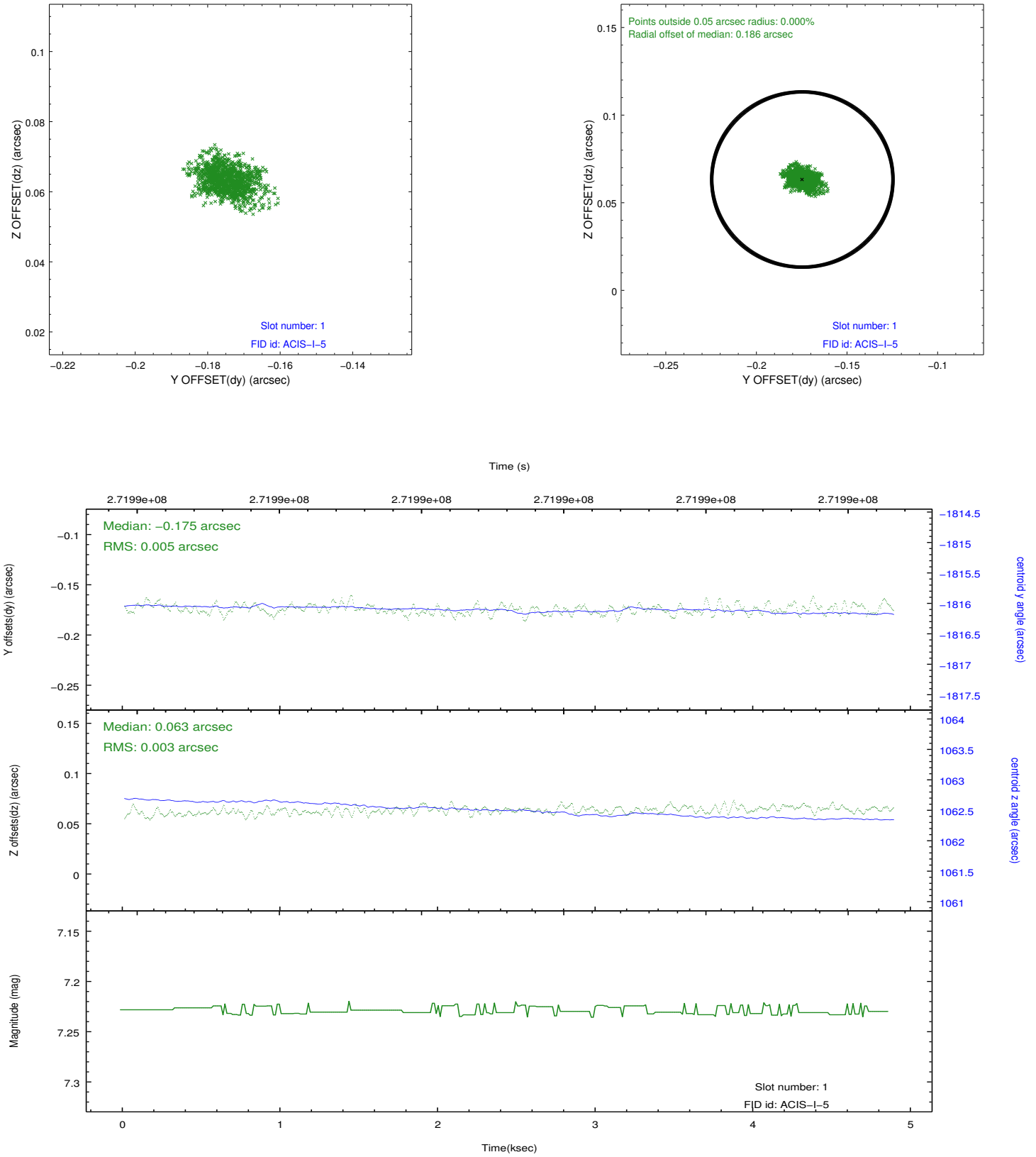


## 2.5 FID Slots

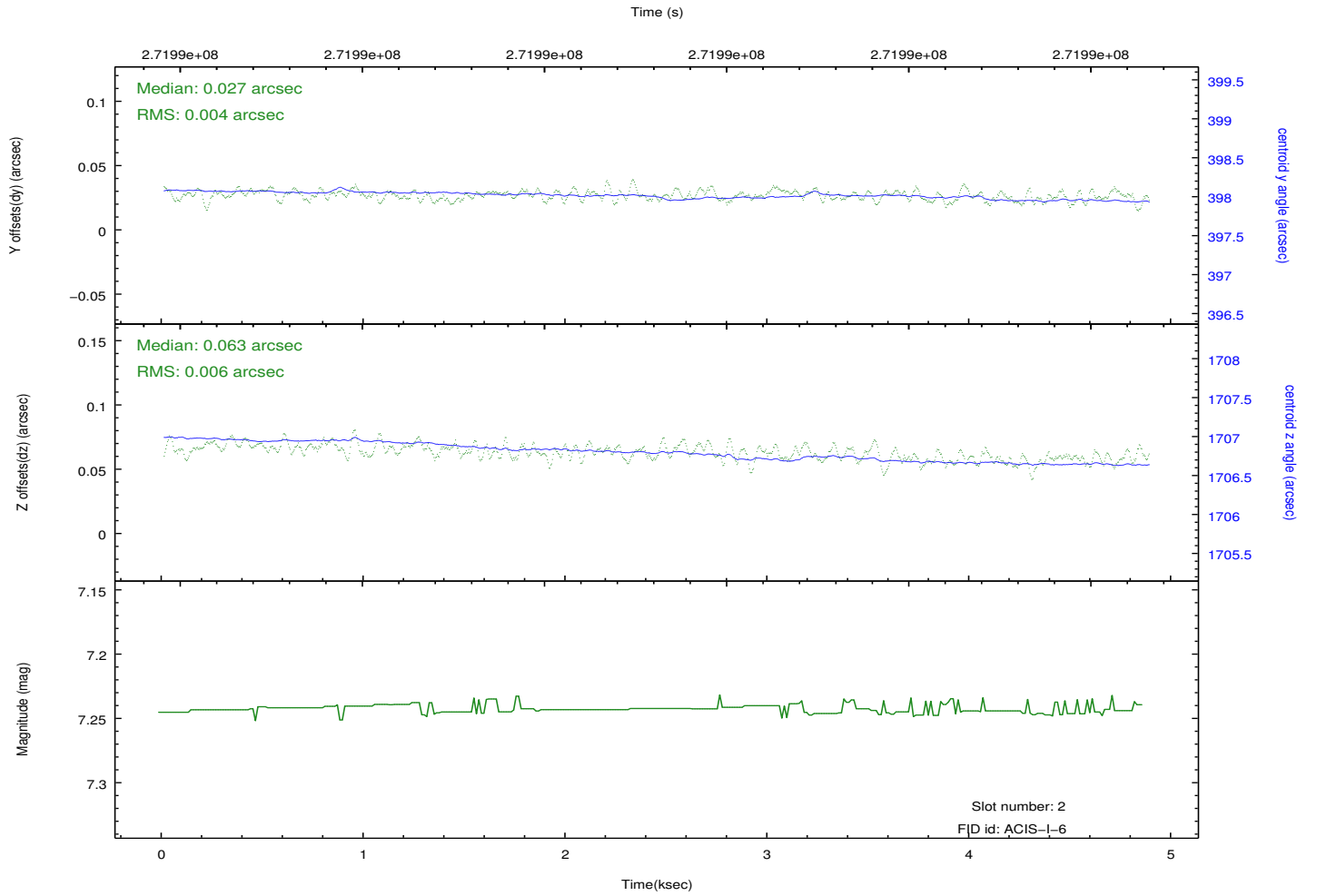
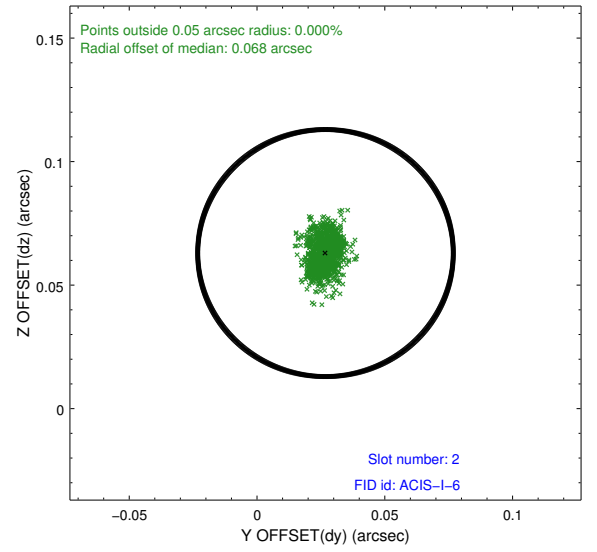
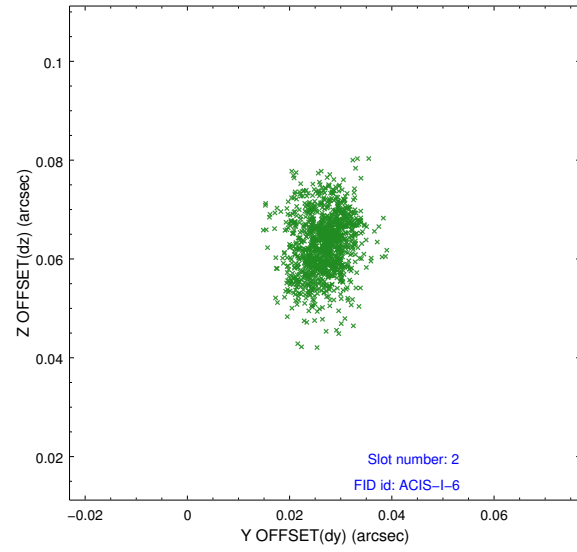
### 2.5.1 Slot 0



## 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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.47640003

### A.2 Comments