

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10002 - L2 Version 2  
Chandra X-Ray Center

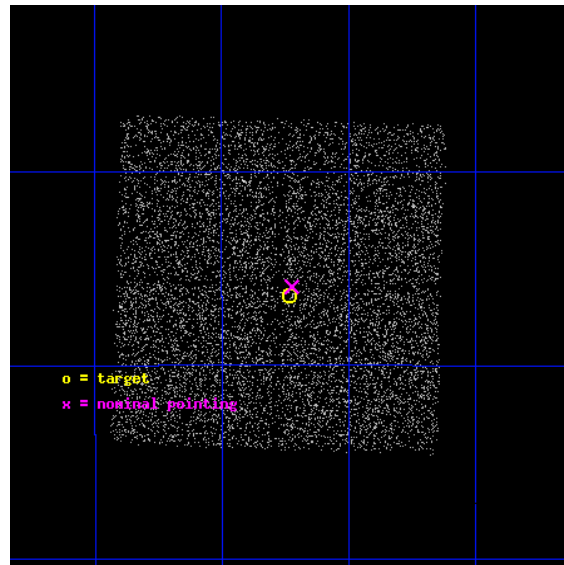
L2 Processing Date : Jun 1 2012

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# 1 Front

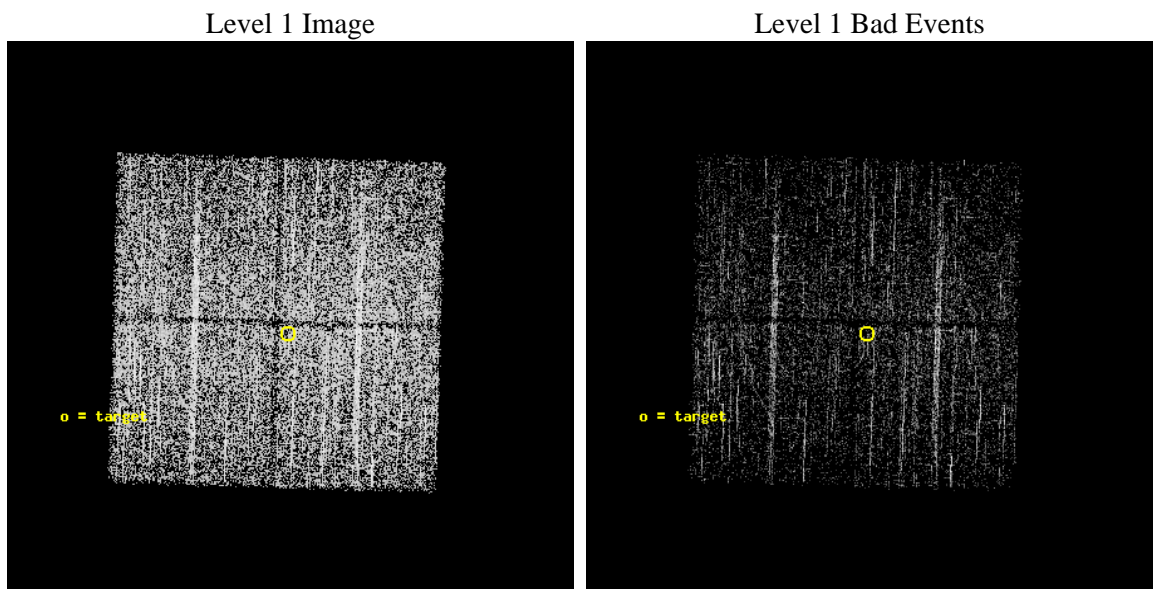
seq_num	400966	Sequence number
obs_id	10002	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS5-10	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.683833	Observer's specified target RA [deg]
dec_targ	-27.773444	Observer's specified target Dec [deg]
ra_nom	264.68091187213	Nominal RA [deg]
dec_nom	-27.765665620275	Nominal Dec [deg]
roll_nom	91.69084760054	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
l2events	10499	Number of level 2 events



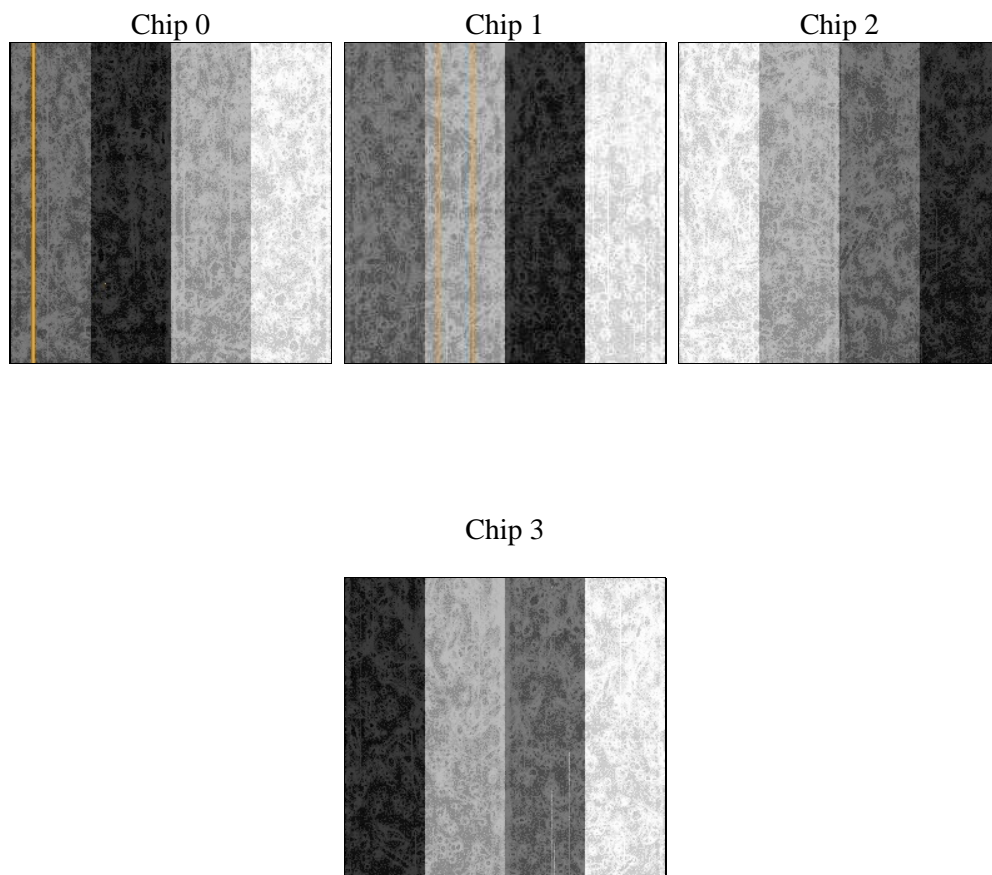
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2182.4000167847	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-06-01T06:03:38	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			l1events	97431	Number of level 1 events

### 2.1.4 Events

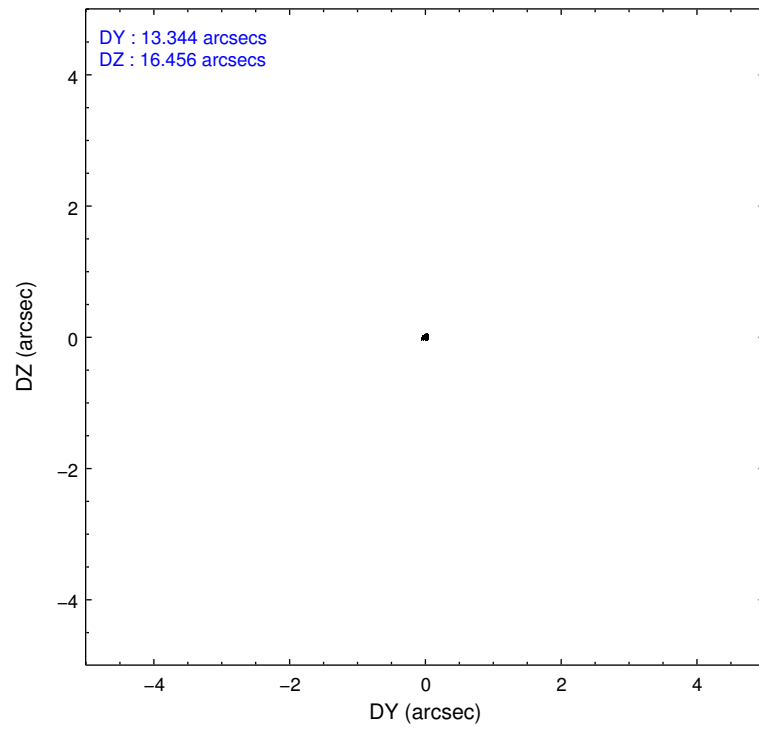
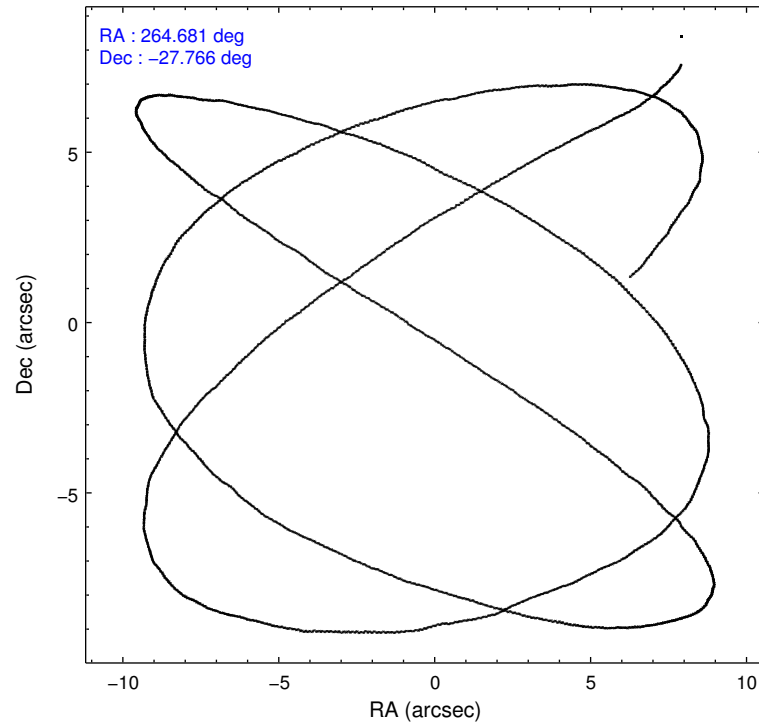
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	22788	24226	24393	26024
rejected events	19826	20978	21443	23028
rejected %	87%	86%	87%	88%

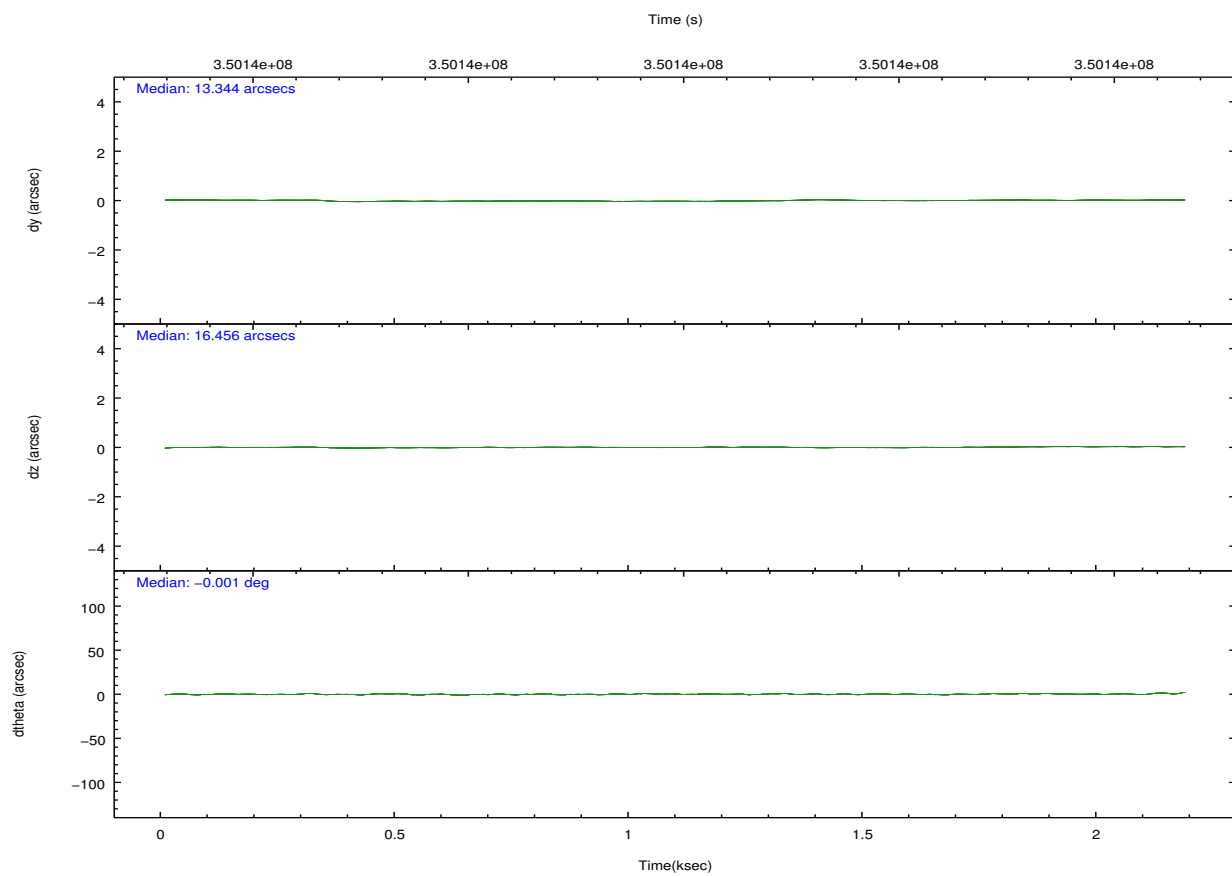
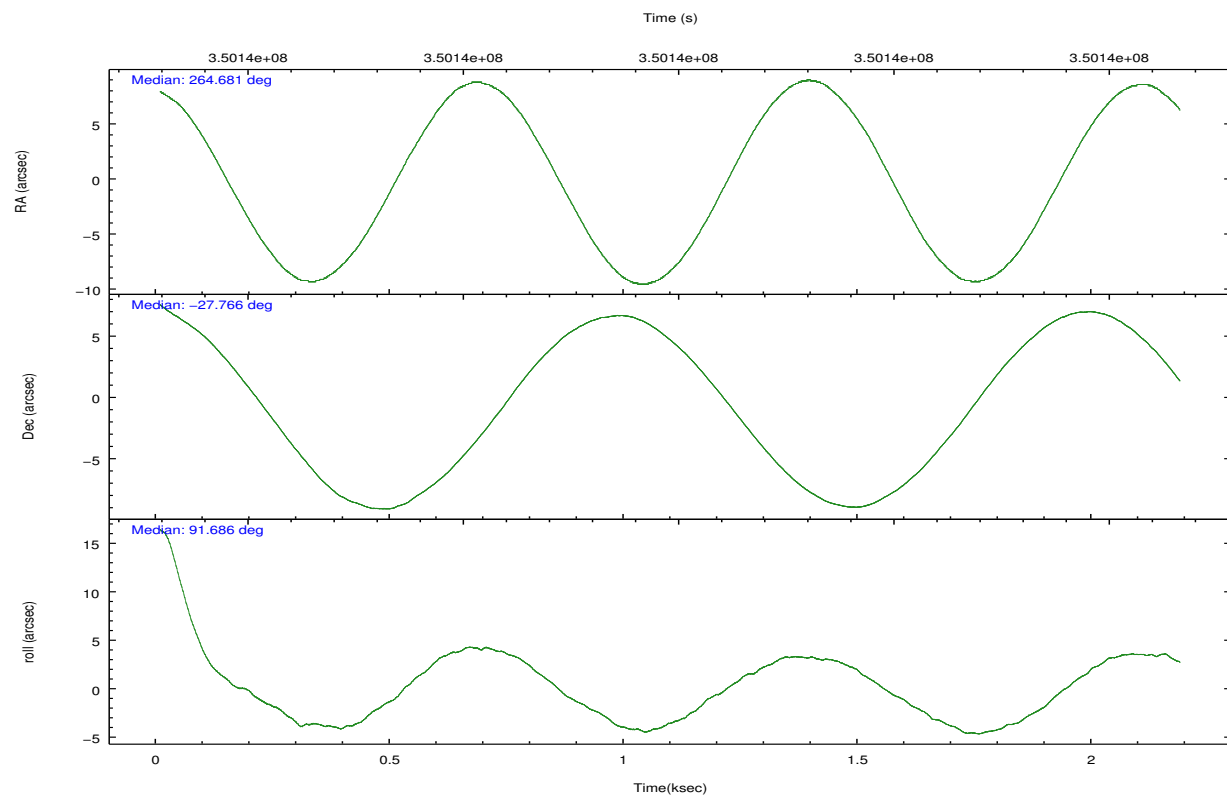
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1530	1559	1652	1625
	6%	6%	6%	6%
grade 1 events	12	9	25	28
	0%	0%	0%	0%
grade 2 events	756	842	671	634
	3%	3%	2%	2%
grade 3 events	309	327	284	294
	1%	1%	1%	1%
grade 4 events	304	326	268	328
	1%	1%	1%	1%
grade 5 events	1077	1124	1043	1215
	4%	4%	4%	4%
grade 6 events	528	657	552	561
	2%	2%	2%	2%
grade 7 events	18272	19382	19898	21339
	80%	80%	81%	81%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	264.697302	264.6809118721293	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.789137	-27.76566562027532	Alternating exposures requested	N	N
[deg] Pointing Roll	91.489811	91.69084760054042	[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)	350139584.184000	350139207.77039			
Observation start date	2009-02-04T12:58:38	2009-02-04T12:53:27			
[s] Observation end time (MET)	350141584.184000	350141717.48301			
Observation end date	2009-02-04T13:31:58	2009-02-04T13:35:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect





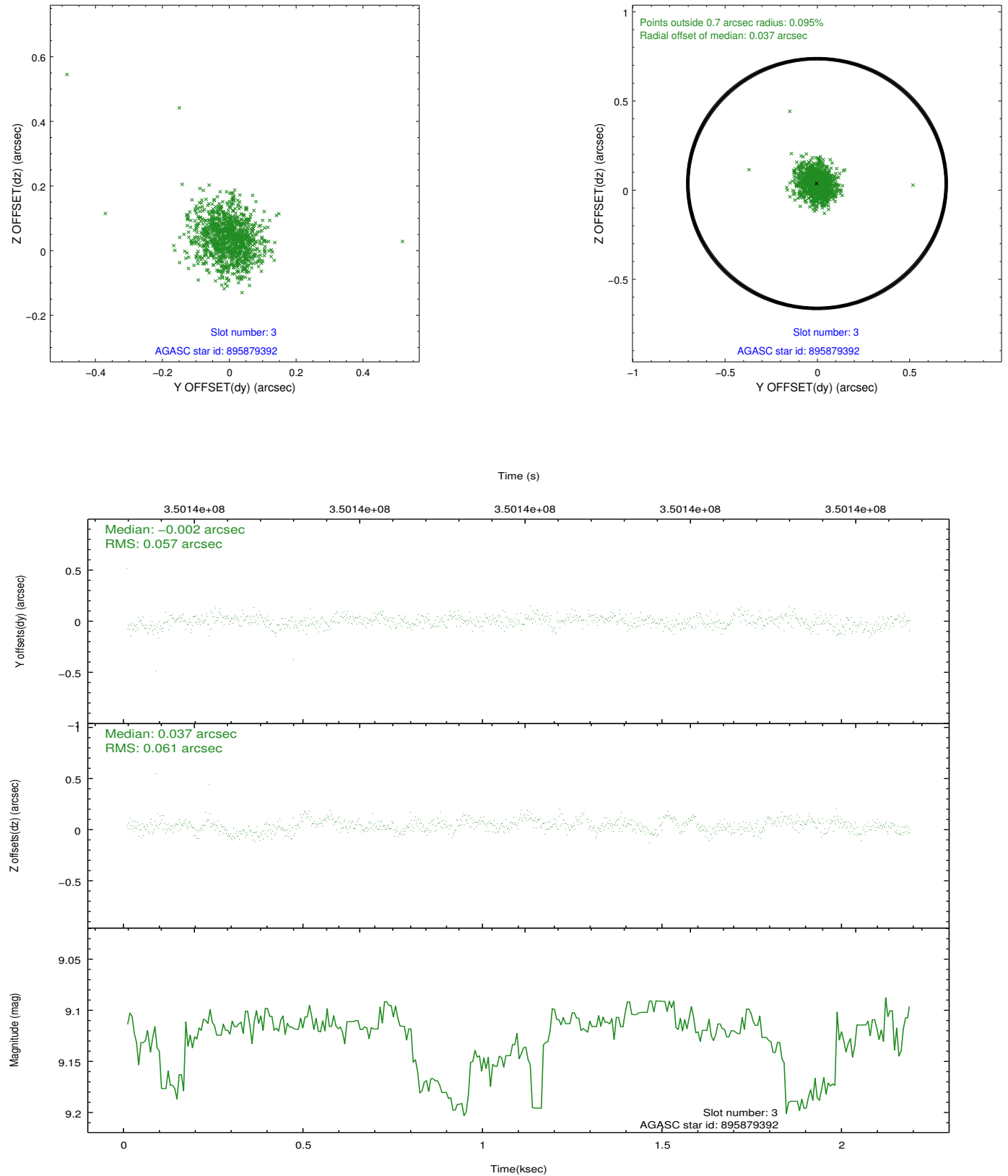
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	532	0.060	-0.035	0.006	0.010	0.000000	0.000000	926.21	-840.15
1	FID	ACIS-I-5	7.01	532	-0.196	0.066	0.005	0.010	0.000000	0.000000	-1820.47	1055.98
2	FID	ACIS-I-6	7.00	532	0.045	0.039	0.007	0.010	0.000000	0.000000	388.53	1703.81
3	GUIDE	895879392	9.12	1058	-0.002	0.037	0.083	0.136	264.792874	-27.441876	1241.41	-337.22
4	GUIDE	895879840	7.22	1065	-0.261	0.211	0.061	0.092	265.218397	-27.395778	1369.49	-1701.17
5	GUIDE	896403960	8.57	1065	0.081	-0.142	0.059	0.094	264.379044	-28.245612	-1616.84	1050.24
6	GUIDE	896405048	8.29	1065	0.057	-0.267	0.068	0.105	264.482575	-28.152230	-1291.37	716.33
7	GUIDE	896405616	7.84	1064	0.129	0.160	0.069	0.110	264.752771	-28.412560	-2250.18	-115.56

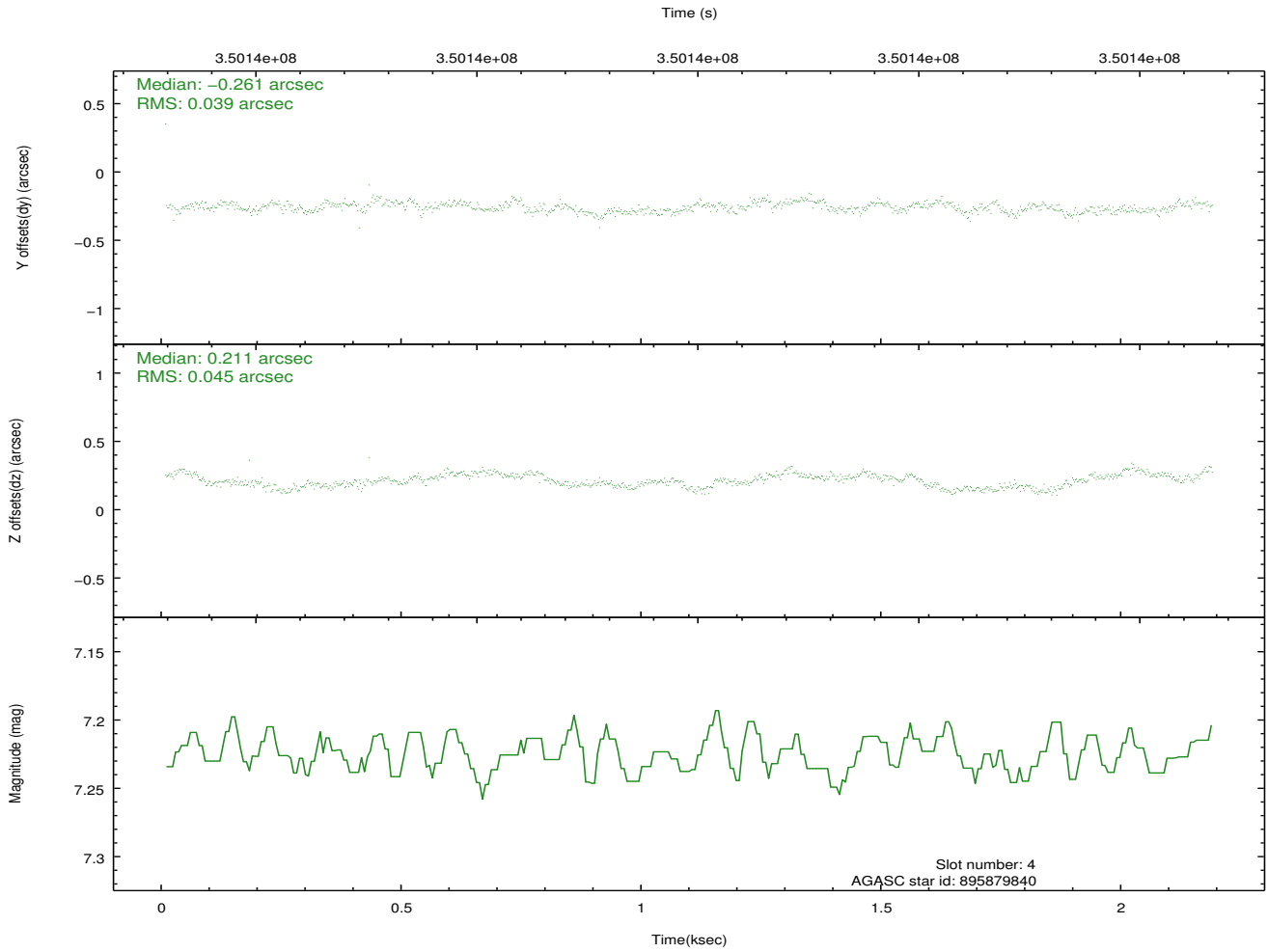
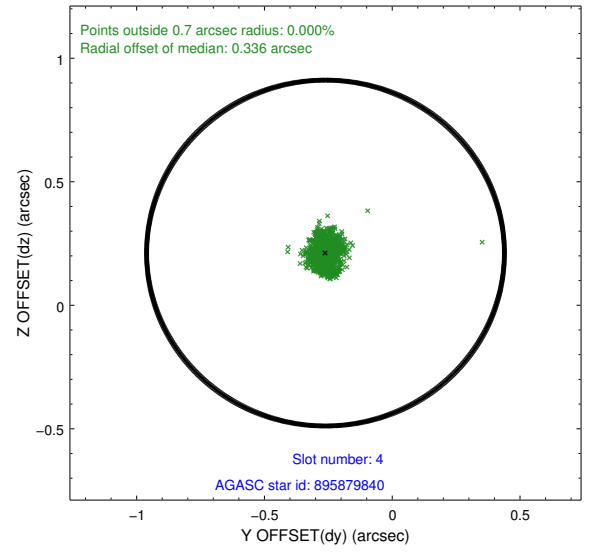
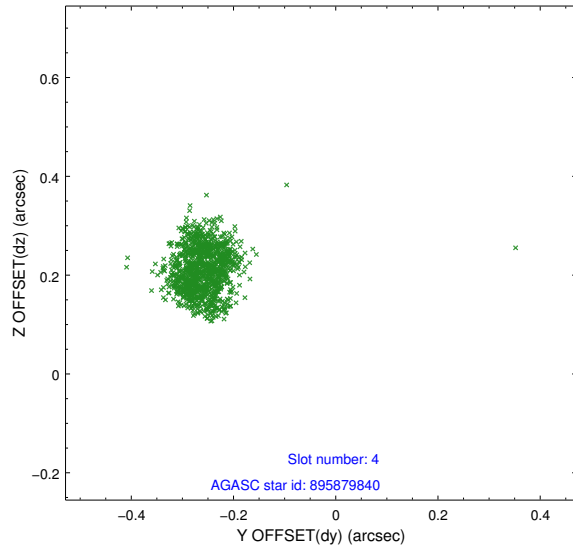


## 2.4 Star Slots

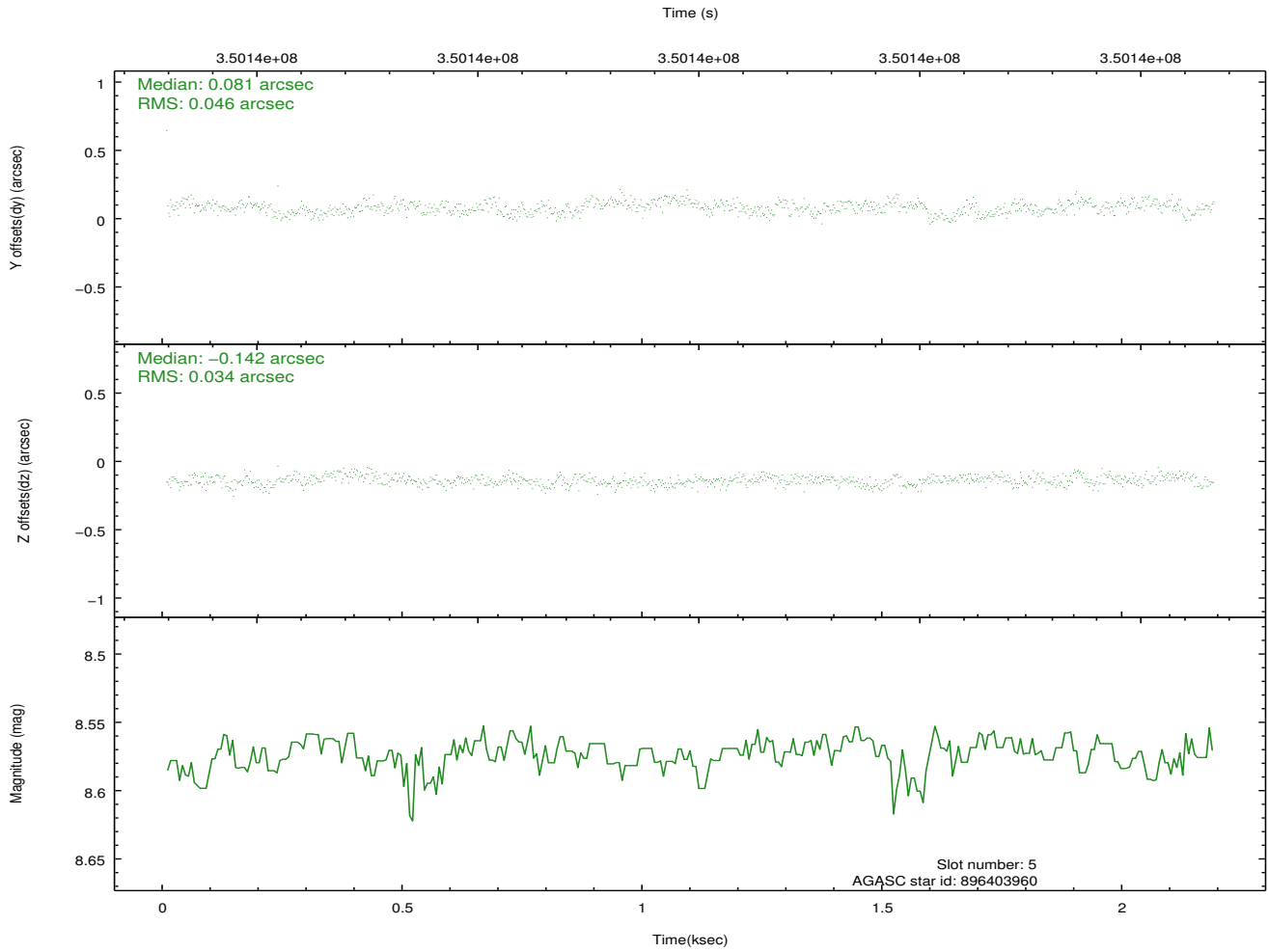
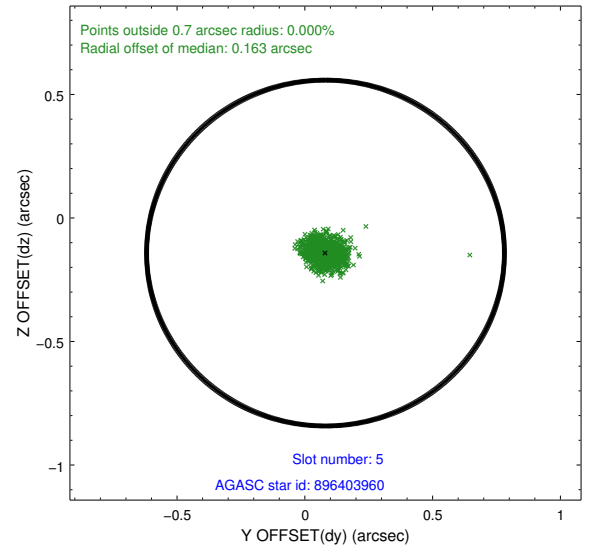
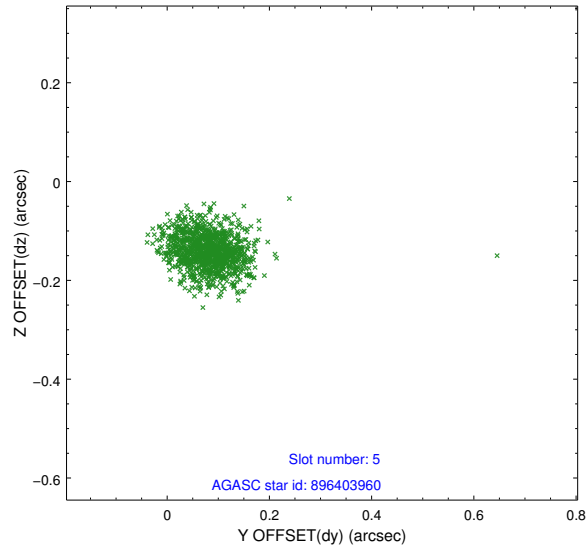
### 2.4.1 Slot 3



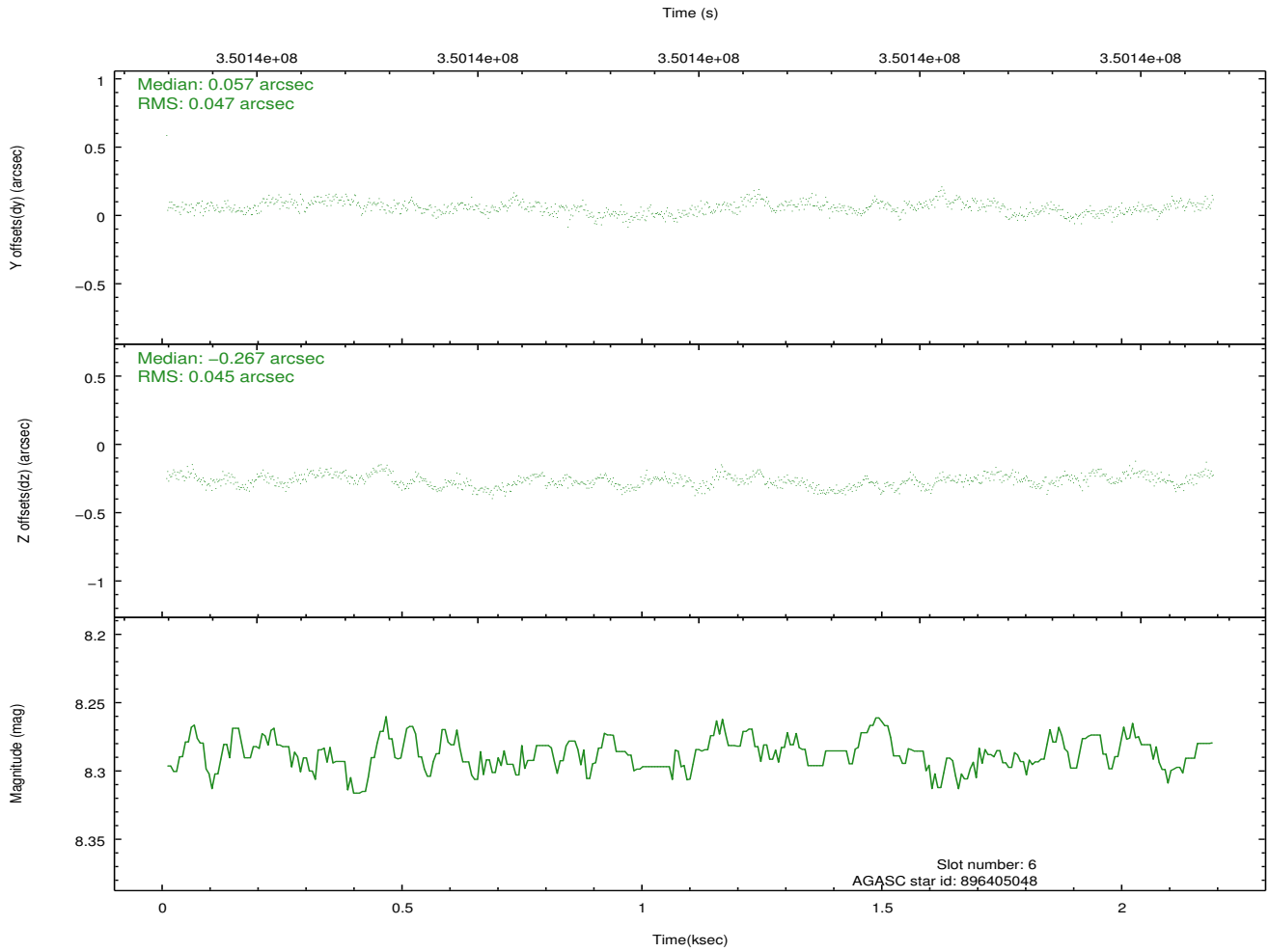
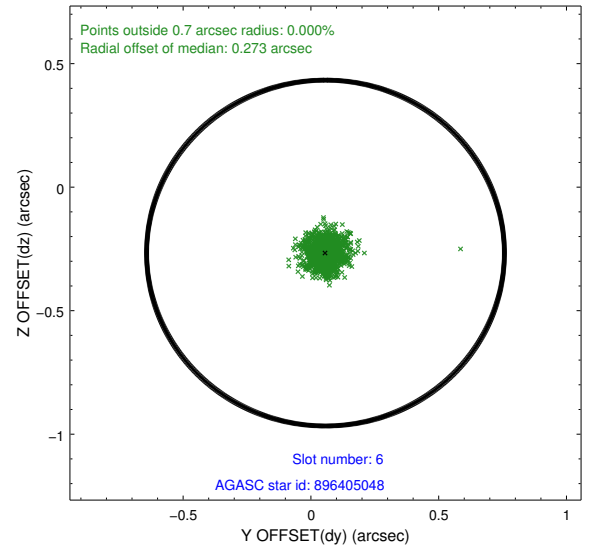
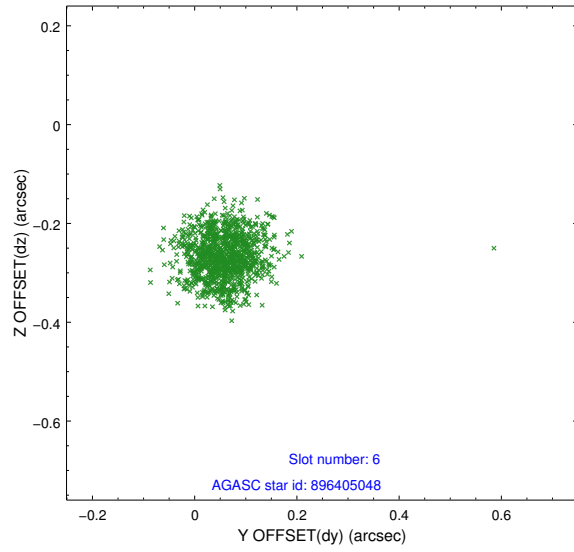
## 2.4.2 Slot 4



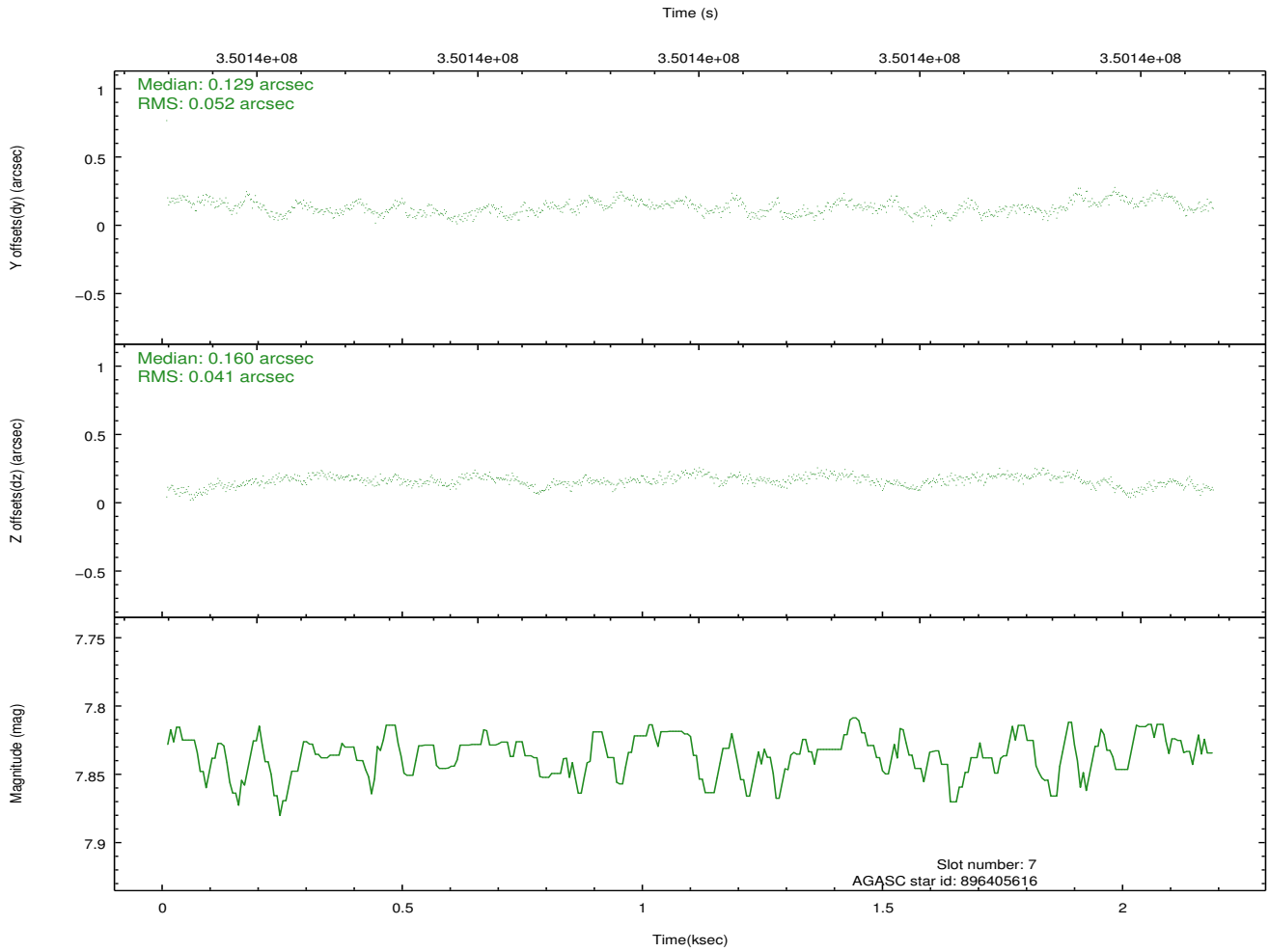
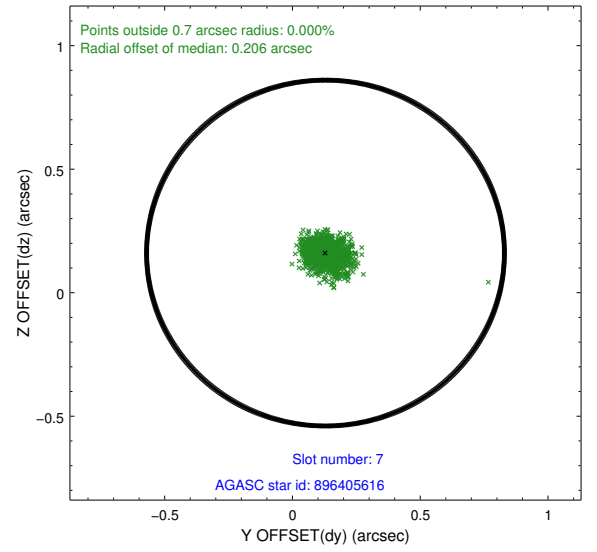
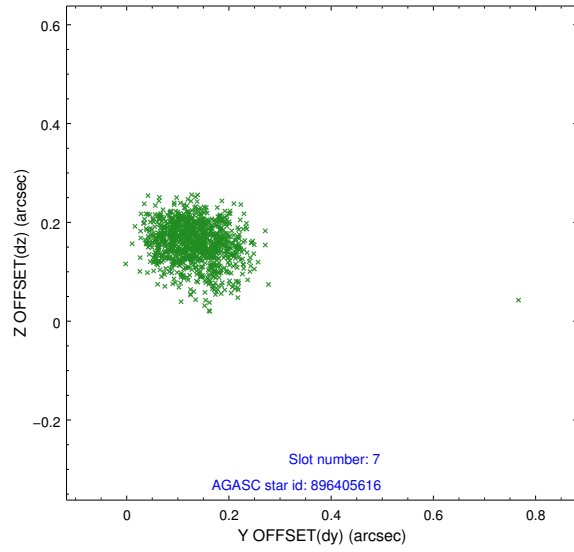
### 2.4.3 Slot 5



## 2.4.4 Slot 6

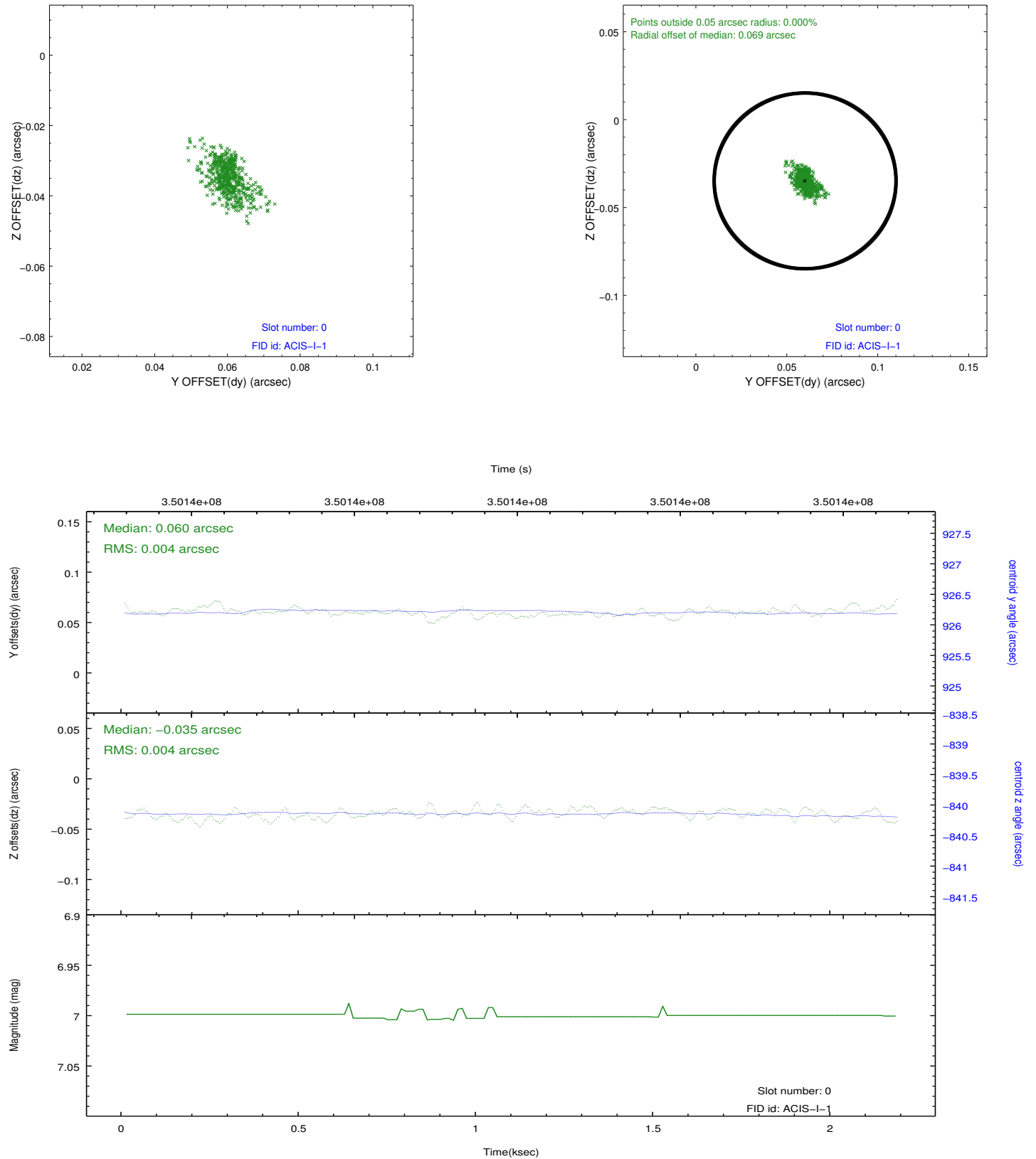


## 2.4.5 Slot 7

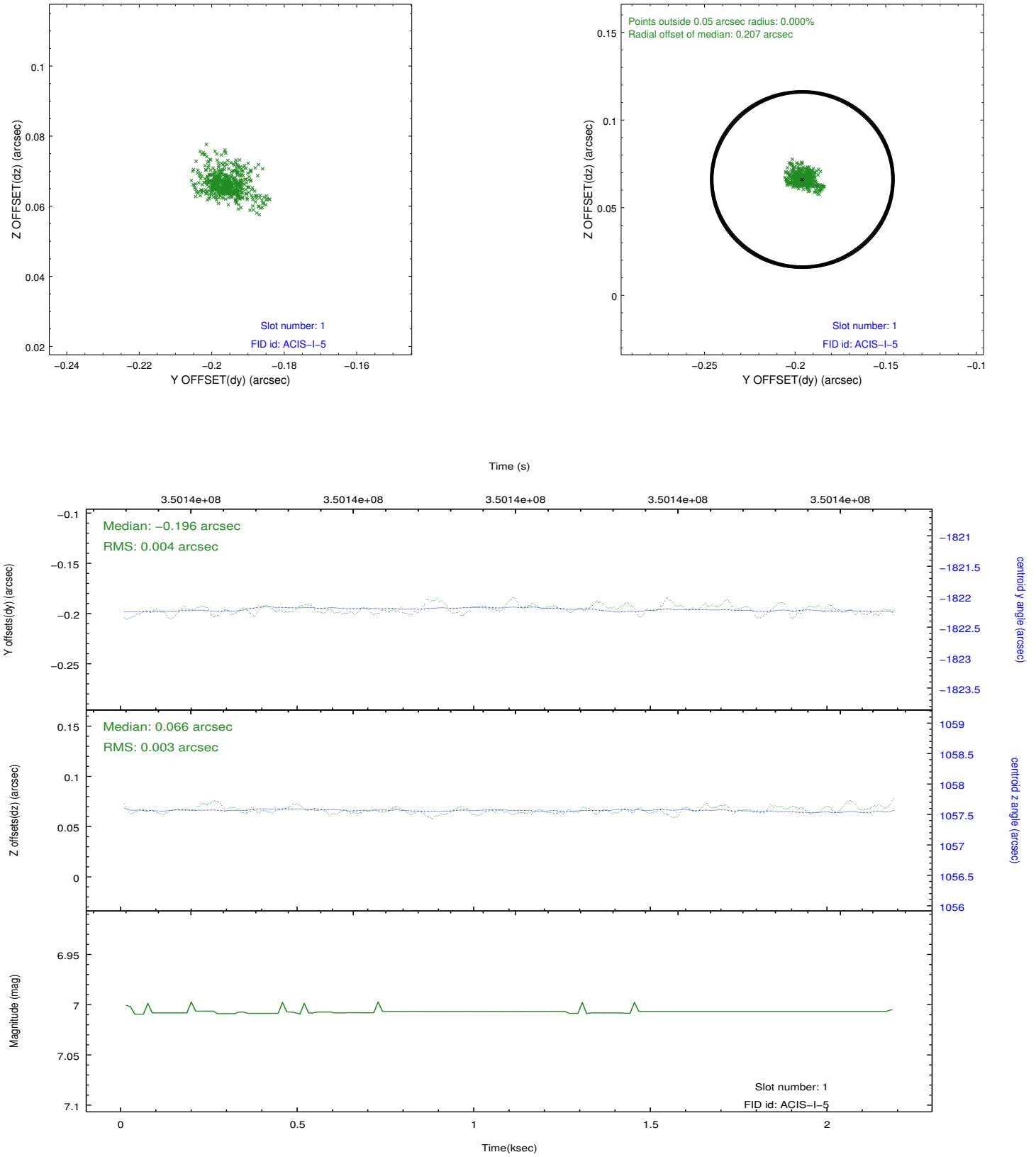


## 2.5 FID Slots

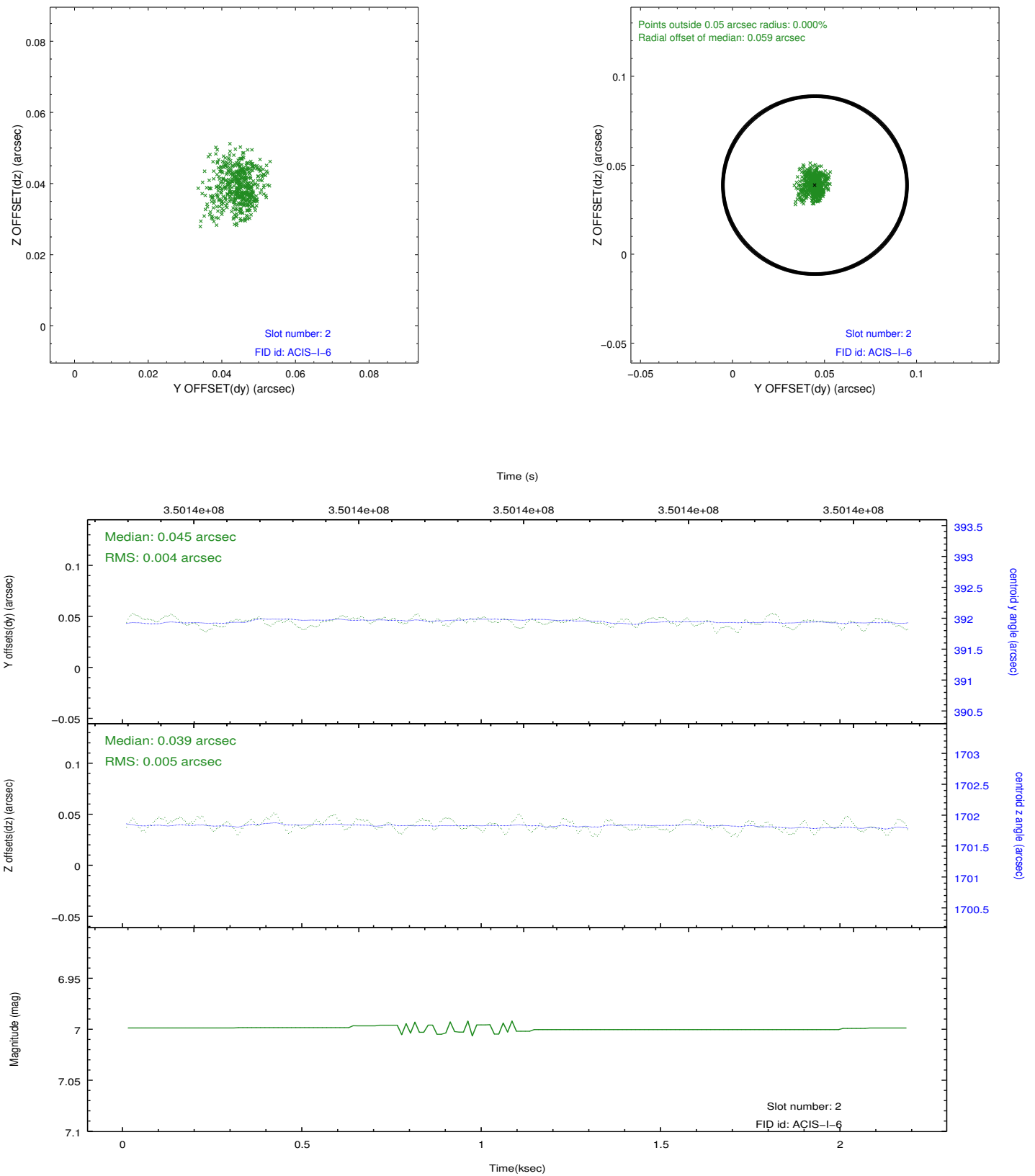
### 2.5.1 Slot 0



## 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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

### A.2 Comments

Joint Proposal:NOAO