

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4256 - L2 Version 3  
Chandra X-Ray Center

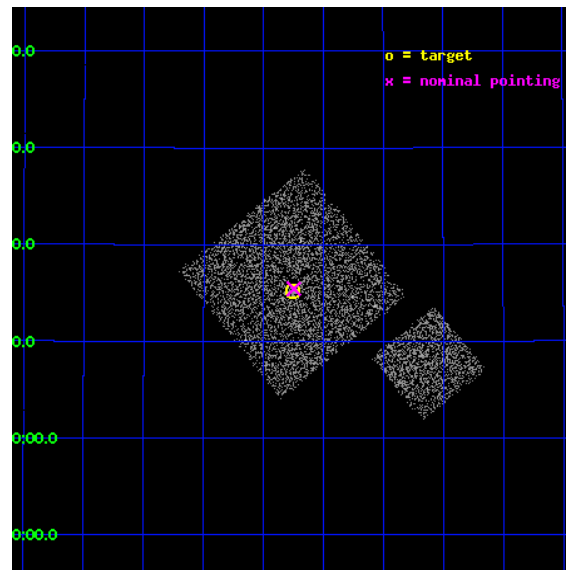
L2 Processing Date : Oct 24 2012

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# 1 Front

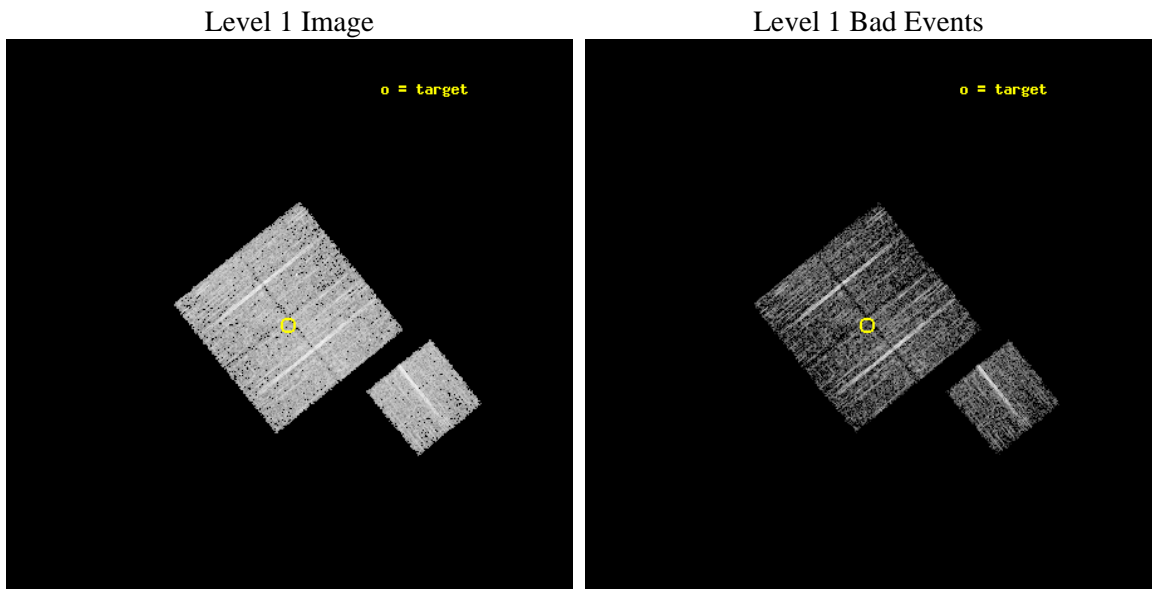
seq_num	900299	Sequence number
obs_id	4256	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SD41	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.314346	Observer's specified target RA [deg]
dec_targ	33.253224	Observer's specified target Dec [deg]
ra_nom	216.31174931328	Nominal RA [deg]
dec_nom	33.2573753425	Nominal Dec [deg]
roll_nom	141.01012477678	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4777.074429512	Sum of GTIs [s]
livetime	4714.6584352594	Livetime [s]
ontime0	4776.9513193965	Sum of GTIs [s]
ontime1	4773.8513691425	Sum of GTIs [s]
ontime2	4777.0333895087	Sum of GTIs [s]
ontime3	4777.074429512	Sum of GTIs [s]
ontime6	4773.7692792416	Sum of GTIs [s]
l2events	9904	Number of level 2 events



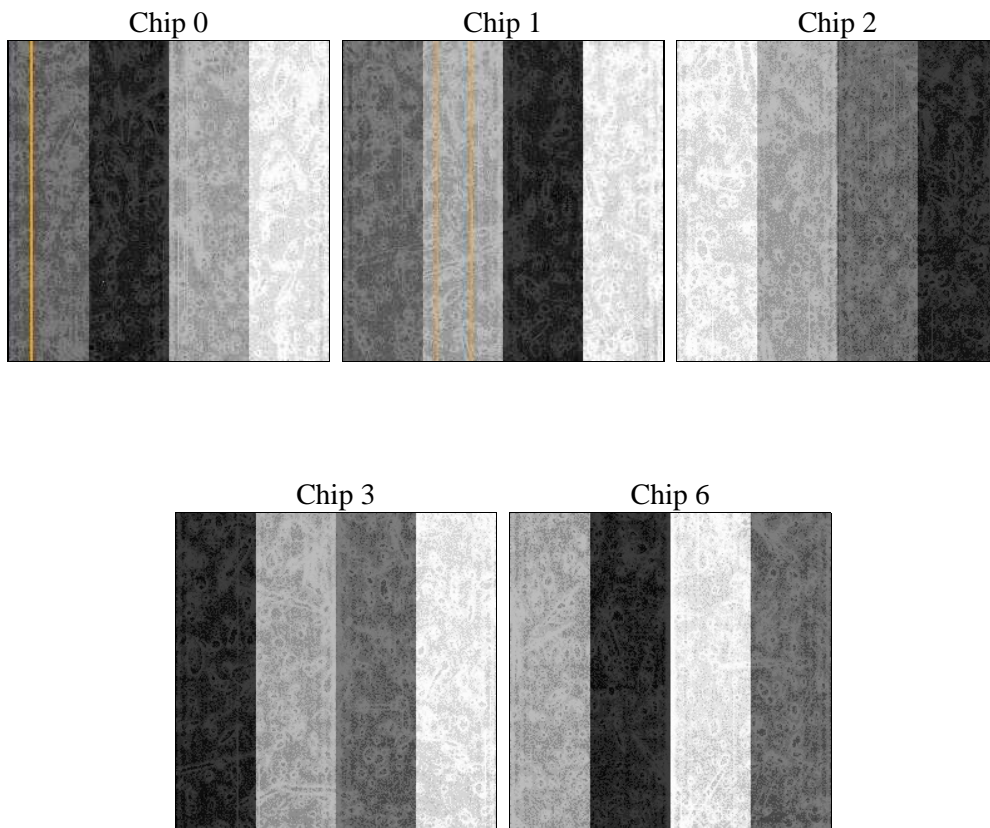
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	4777.074429512	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4776.9513193965	Sum of GTIs [s]
date	2012-10-24T20:47:50	Date and time of file creation	ontime1	4773.8513691425	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4777.0333895087	Sum of GTIs [s]
			ontime3	4777.074429512	Sum of GTIs [s]
			ontime6	4773.7692792416	Sum of GTIs [s]
			l1events	124007	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	22066	25048	26993	24498	25402
rejected events	19561	22601	24565	22281	22891
rejected %	88%	90%	91%	90%	90%

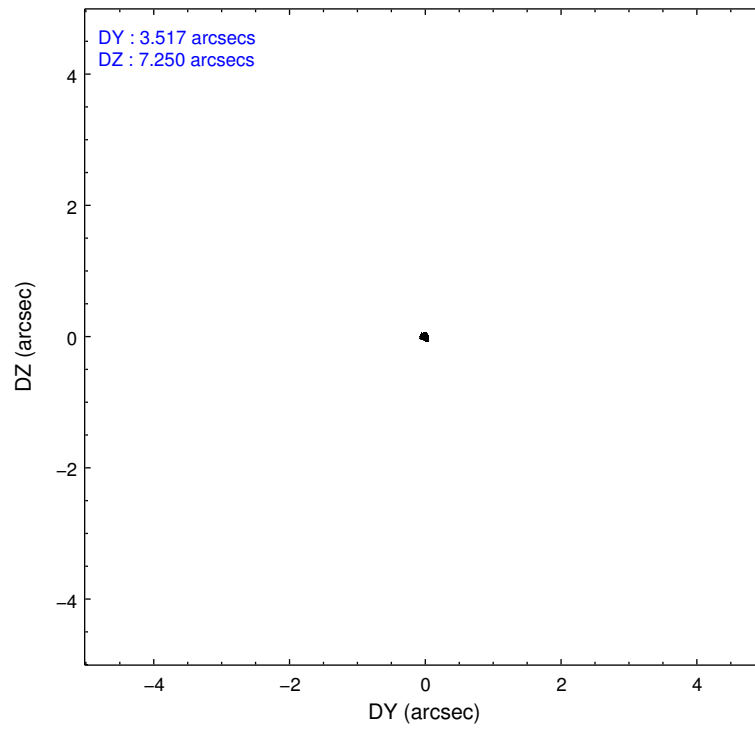
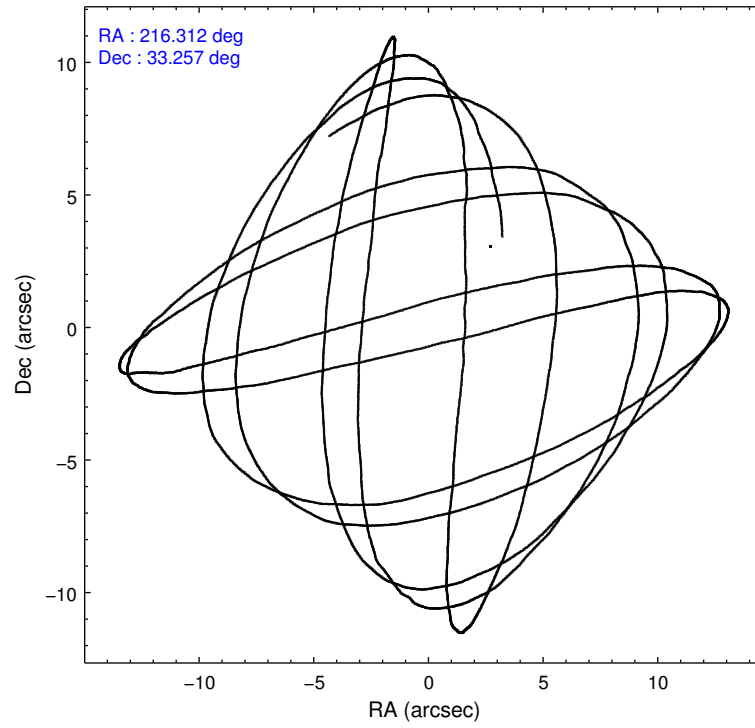
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	980	810	921	814	919
	4%	3%	3%	3%	3%
grade 1 events	5	13	16	12	10
	0%	0%	0%	0%	0%
grade 2 events	559	529	524	487	512
	2%	2%	1%	1%	2%
grade 3 events	283	328	266	272	275
	1%	1%	0%	1%	1%
grade 4 events	262	289	264	233	307
	1%	1%	0%	0%	1%
grade 5 events	719	794	676	784	796
	3%	3%	2%	3%	3%
grade 6 events	422	493	454	413	501
	1%	1%	1%	1%	1%
grade 7 events	18836	21792	23872	21483	22082
	85%	87%	88%	87%	86%

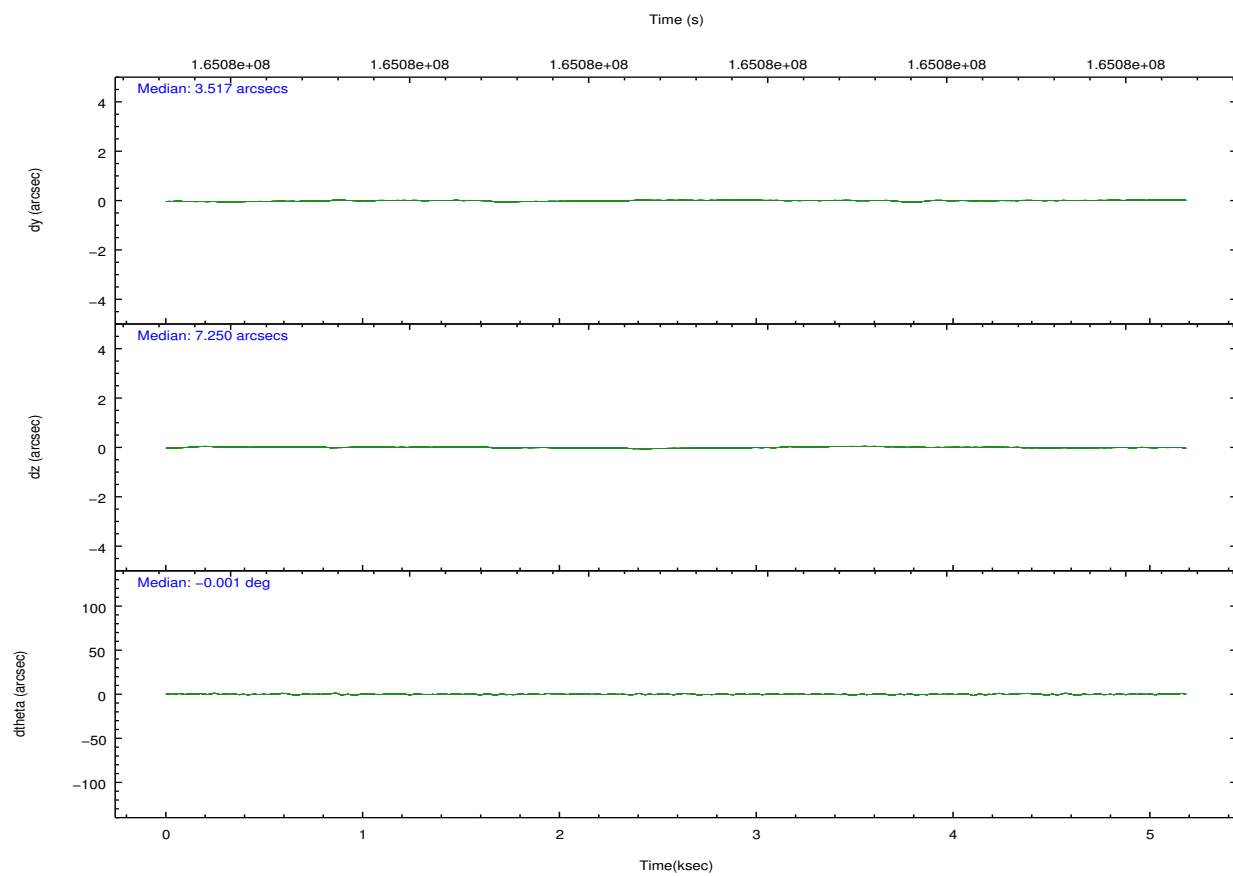
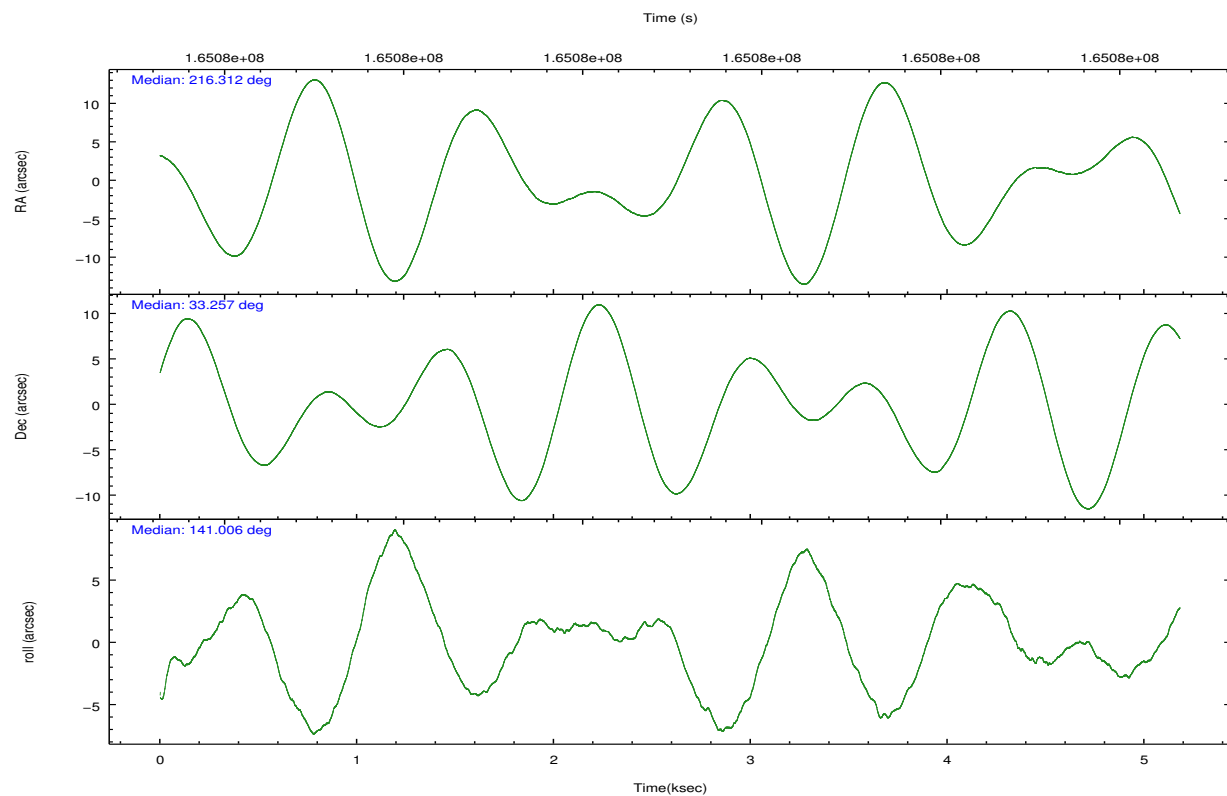


## 2.2 Compared Parameters

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	216.344102	216.3117493132771	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.253139	33.25737534250043	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783686	141.0101247767785	[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)	165079079.184000	165078703.81179			
Observation start date	2003-03-26T15:16:55	2003-03-26T15:11:43			
[s] Observation end time (MET)	165084079.184000	165084213.69953			
Observation end date	2003-03-26T16:40:15	2003-03-26T16:43:33			
Read mode	TIMED	TIMED			

## 2.3 Aspect



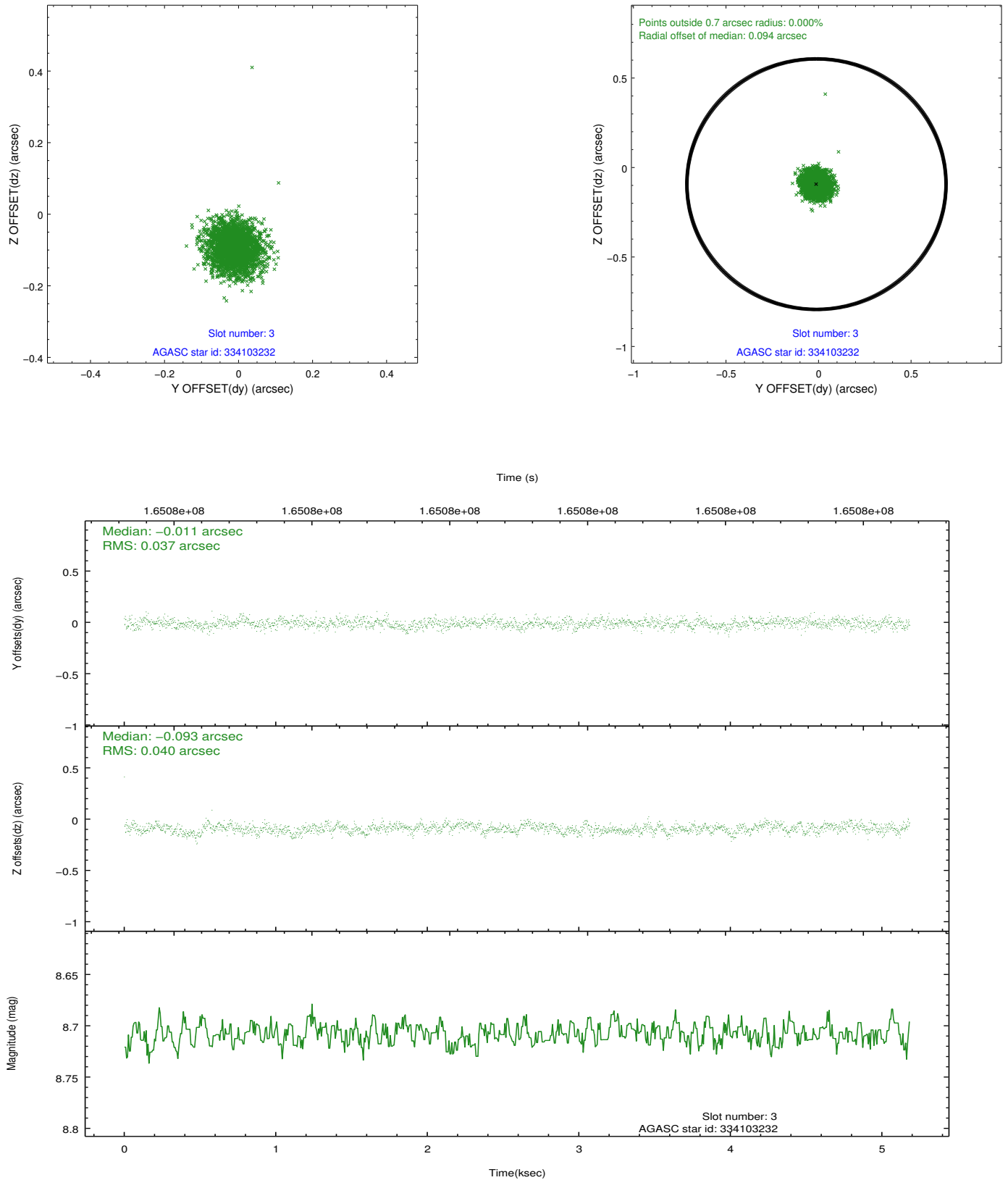


### Slot Statistics

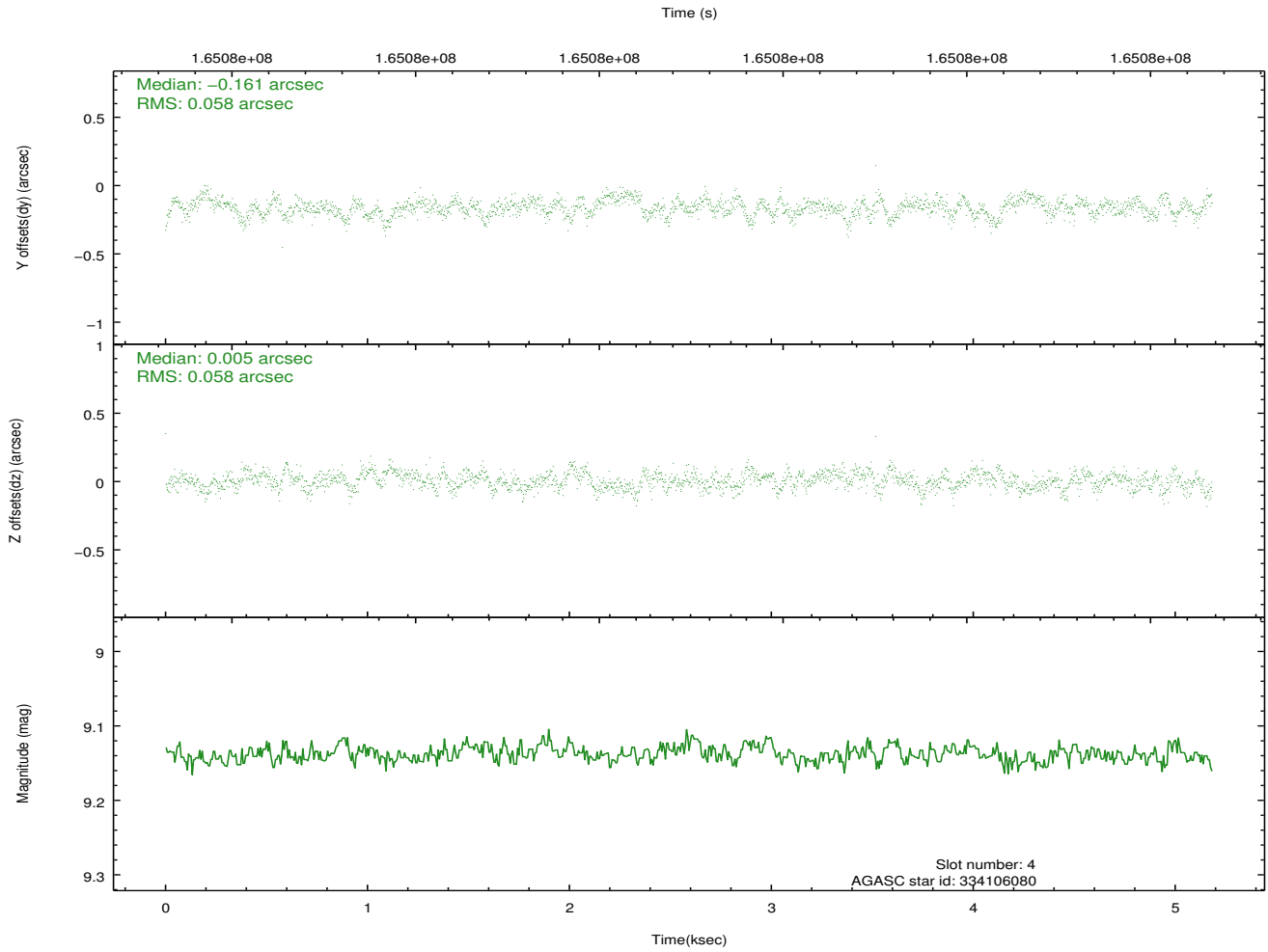
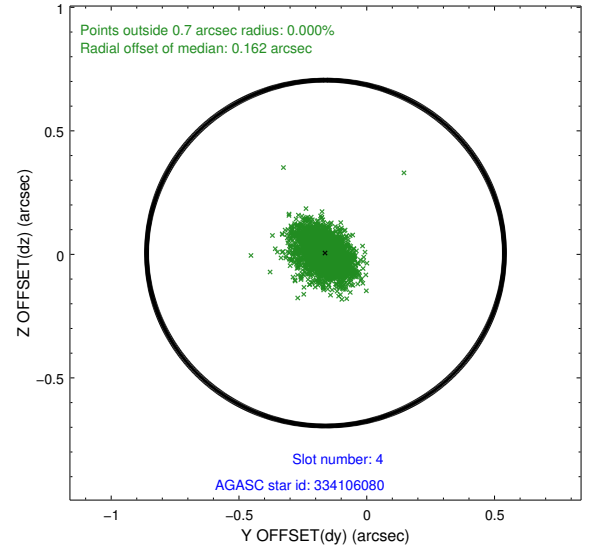
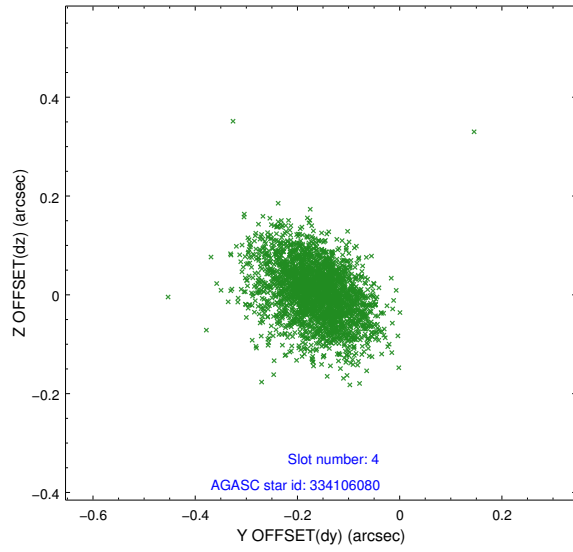
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1264	0.022	0.016	0.007	0.012	0.000000	0.000000	936.28	-830.64
1	FID	ACIS-I-5	7.24	1264	-0.096	0.063	0.006	0.010	0.000000	0.000000	-1811.27	1066.35
2	FID	ACIS-I-6	7.26	1264	-0.017	-0.009	0.007	0.011	0.000000	0.000000	400.56	1712.08
3	GUIDE	334103232	8.71	2529	-0.011	-0.093	0.057	0.093	215.850271	33.571936	1875.33	45.10
4	GUIDE	334106080	9.14	2529	-0.161	0.005	0.085	0.144	215.767785	32.987168	746.30	1839.00
5	GUIDE	335021200	8.87	2529	0.037	0.010	0.068	0.112	216.377257	32.627867	-1500.81	1681.58
6	GUIDE	335022112	9.22	2529	0.062	0.041	0.077	0.132	216.659296	32.794758	-1782.24	675.43
7	GUIDE	335028240	9.17	2524	0.074	0.038	0.080	0.128	216.746851	33.385009	-636.77	-1134.33

## 2.4 Star Slots

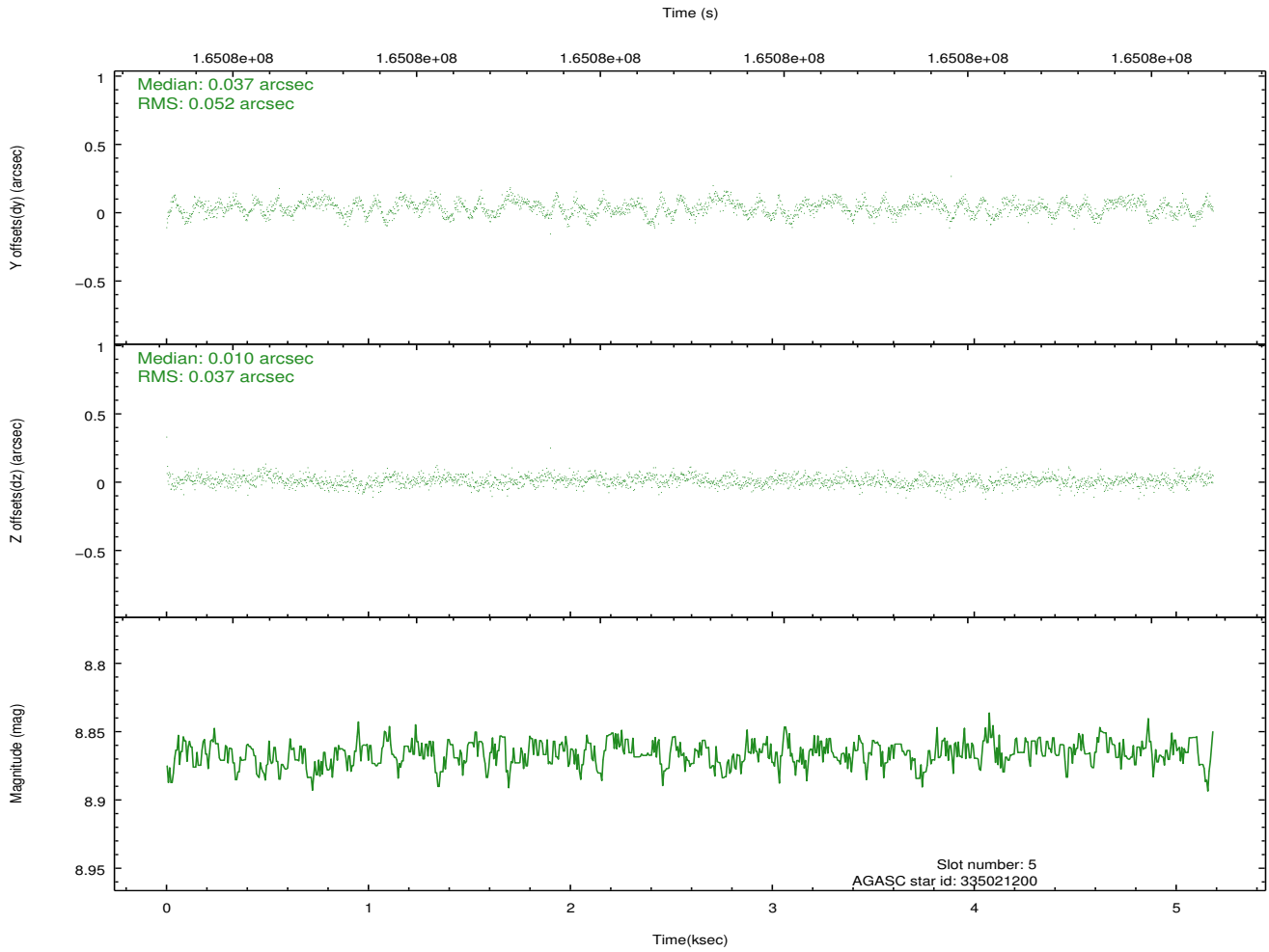
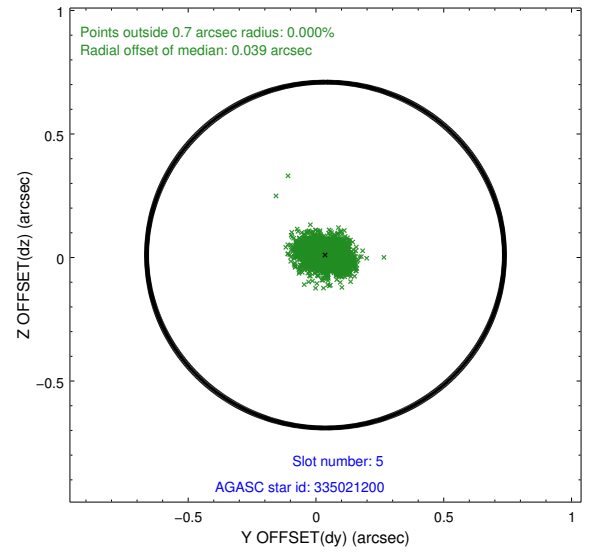
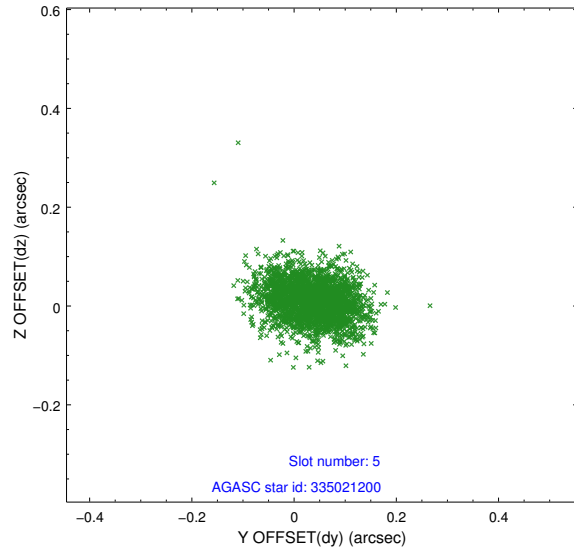
### 2.4.1 Slot 3



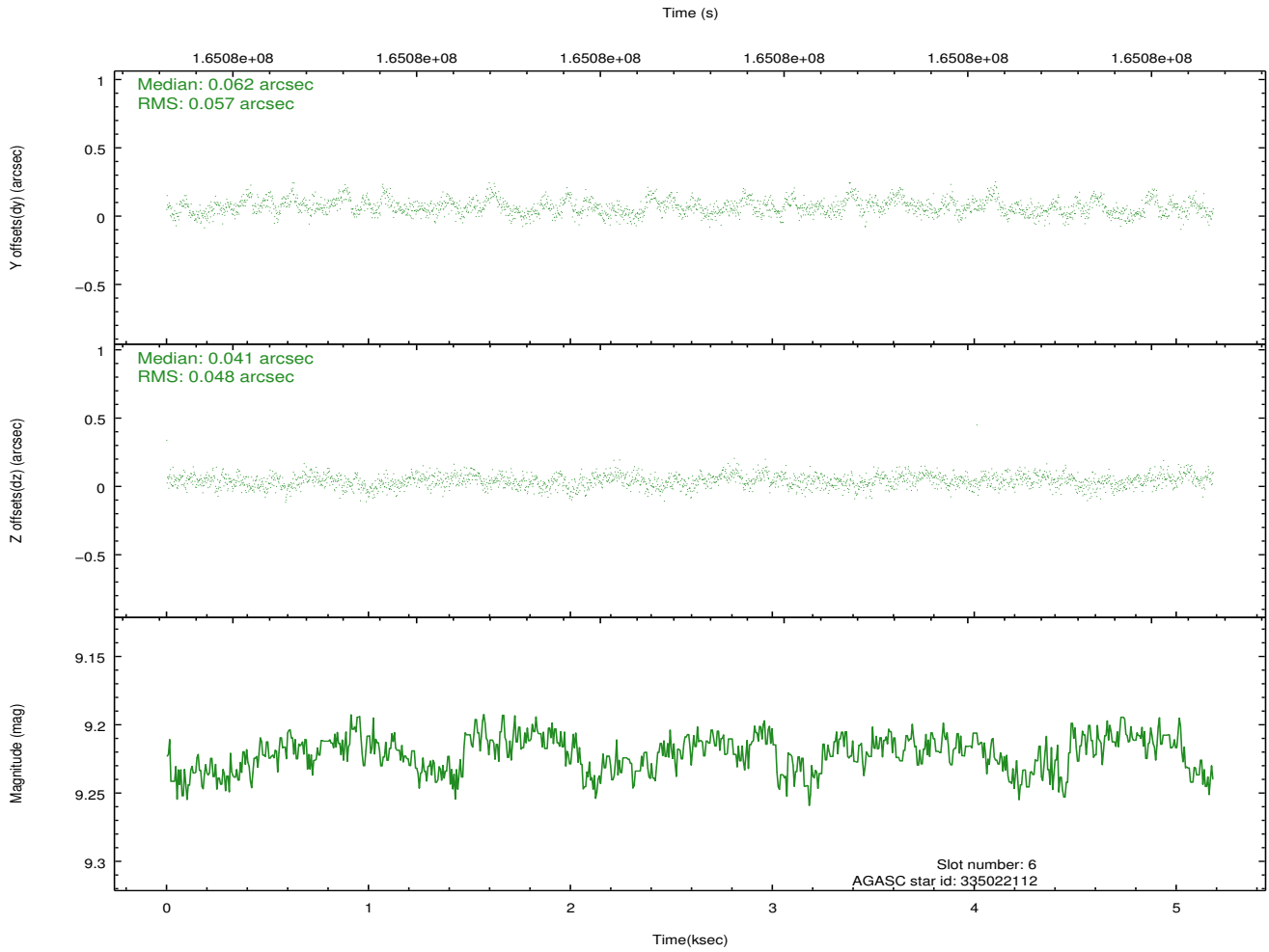
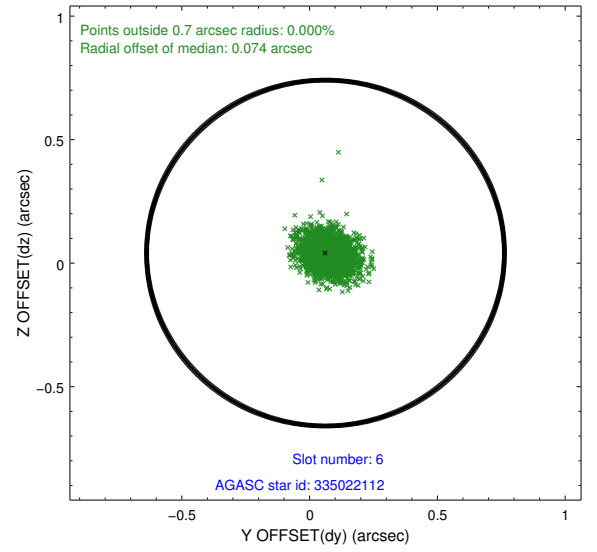
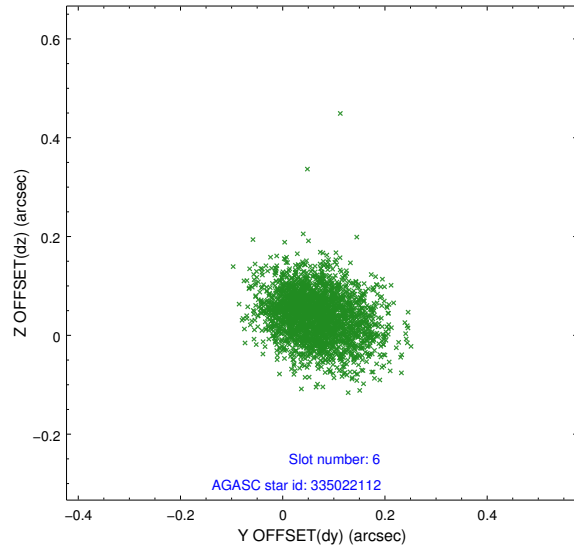
## 2.4.2 Slot 4



### 2.4.3 Slot 5

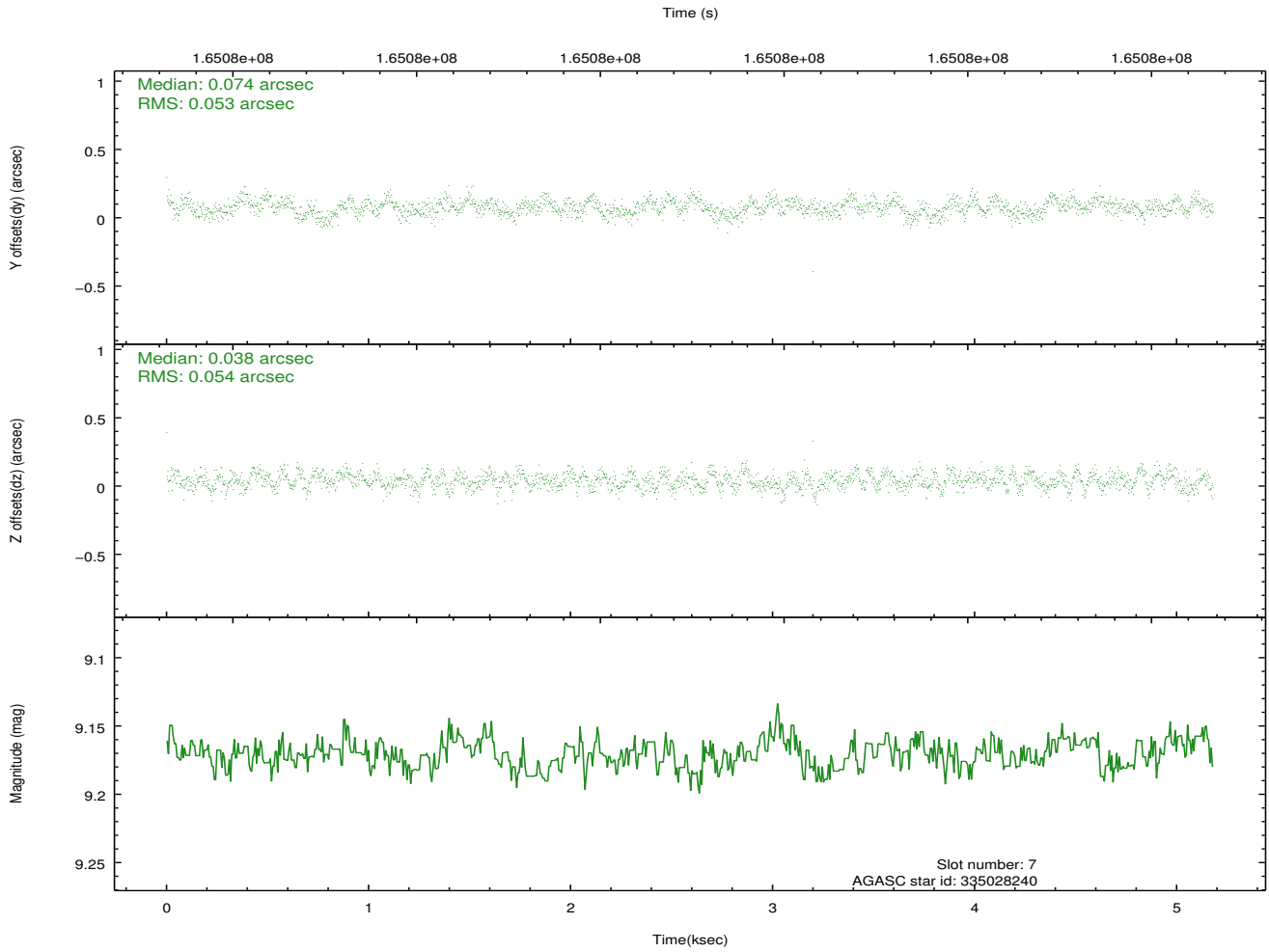
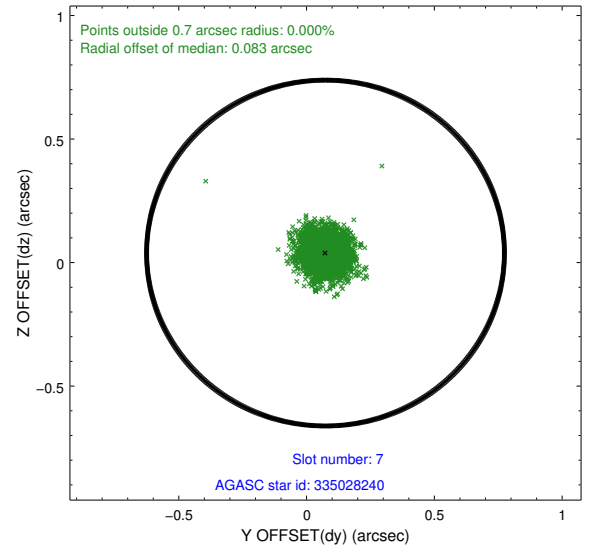
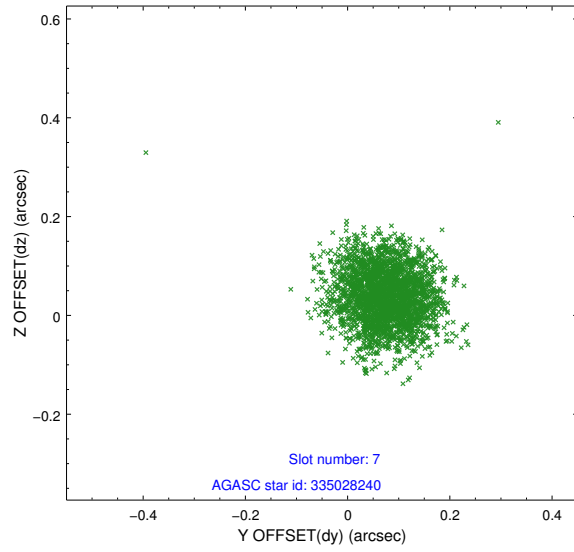


## 2.4.4 Slot 6



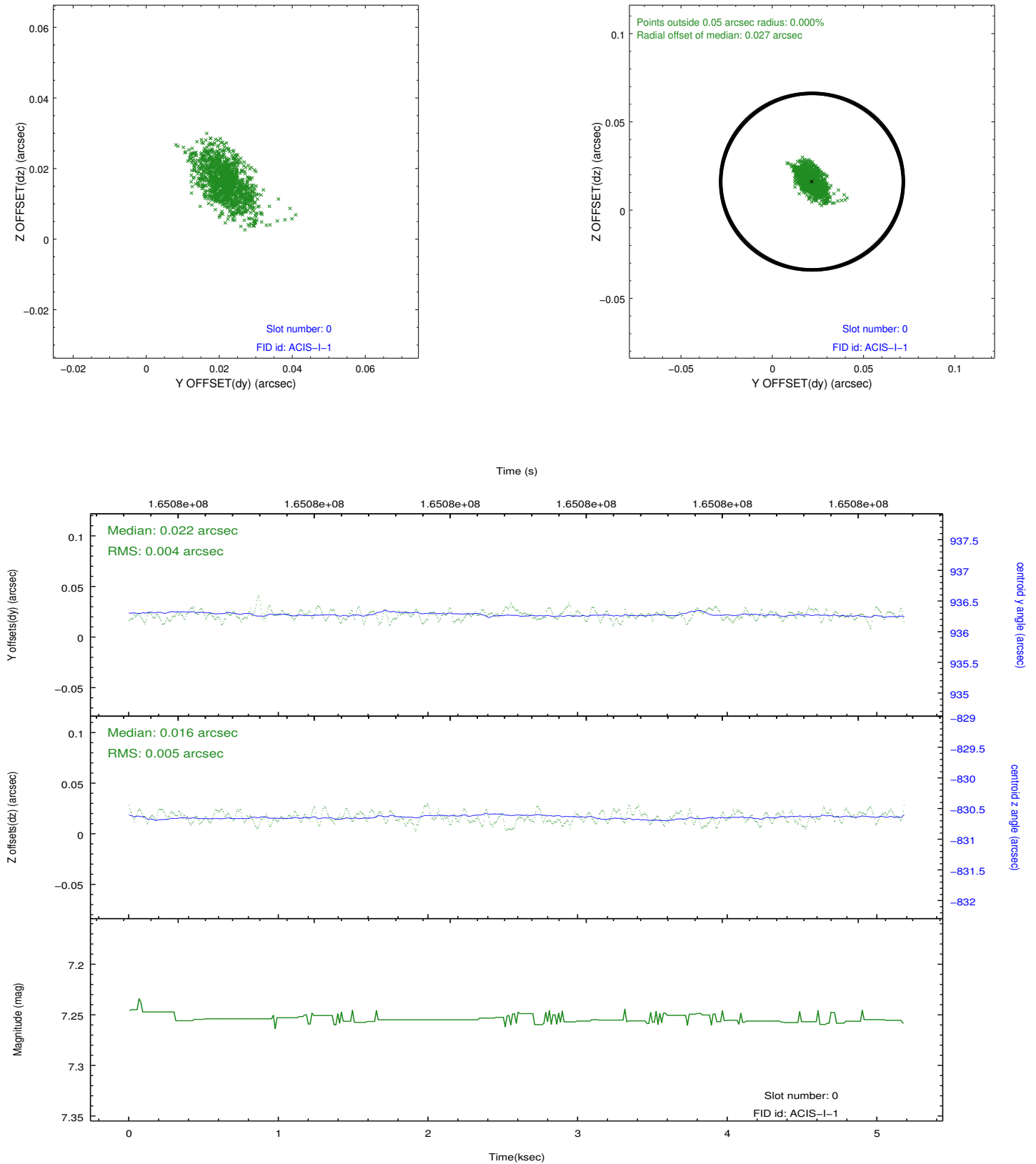


## 2.4.5 Slot 7

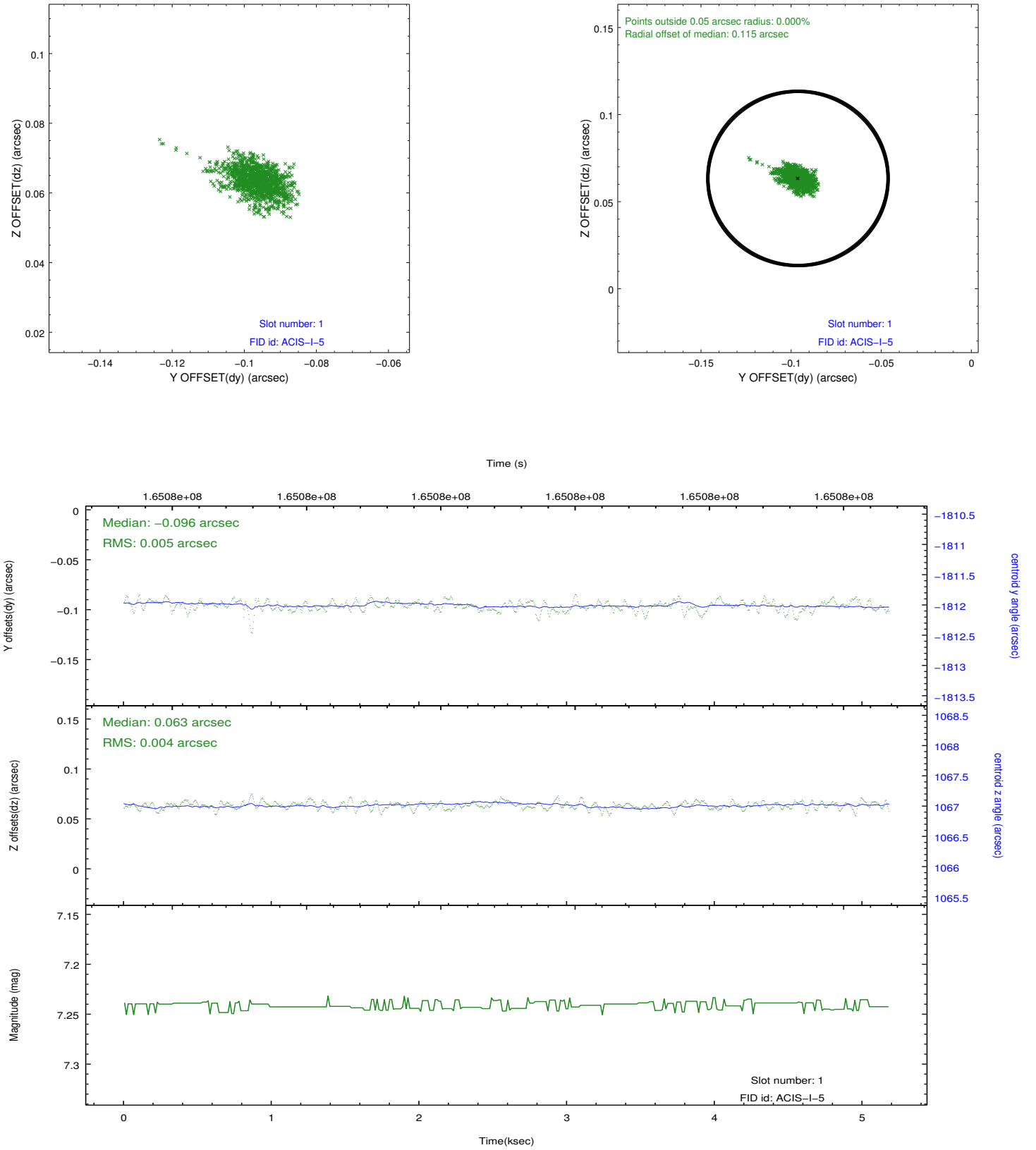


## 2.5 FID Slots

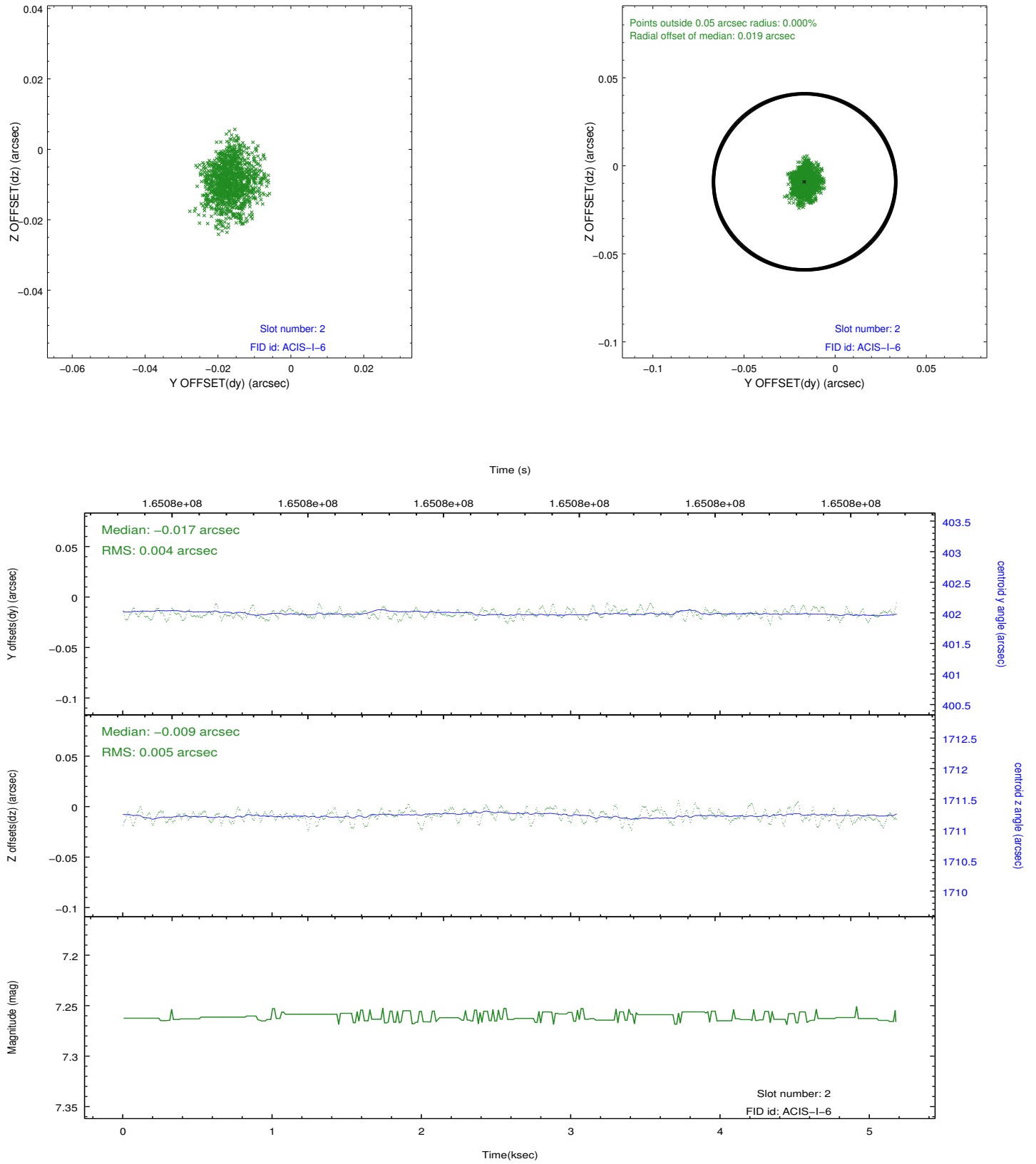
### 2.5.1 Slot 0



## 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)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.777

### A.2 Comments