

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 7017 - L2 Version 2  
Chandra X-Ray Center

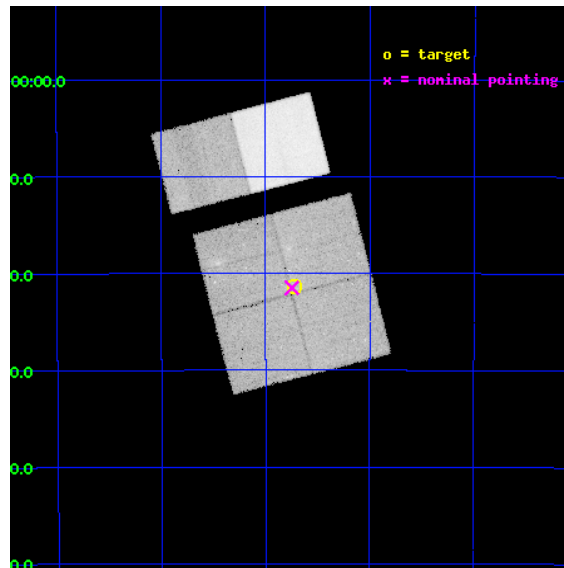
L2 Processing Date : Apr 11 2012

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# 1 Front

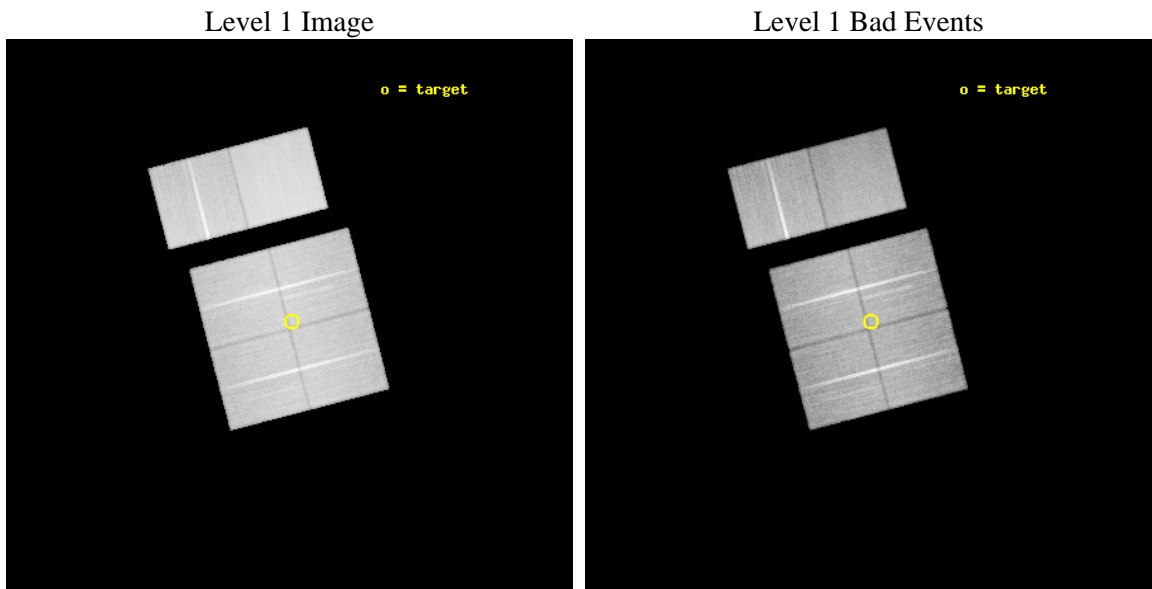
seq_num	900433	Sequence number
obs_id	7017	Observation id
title	The dark side of accretion: chasing type 2 QSOs	Proposal title
observer	Dr Fabrizio Fiore	Principal investigator
object	ELAIS-S1 B	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	8.431667	Observer's specified target RA [deg]
dec_targ	-43.355556	Observer's specified target Dec [deg]
ra_nom	8.4367398920077	Nominal RA [deg]
dec_nom	-43.358367970649	Nominal Dec [deg]
roll_nom	345.51188089527	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37080.445297182	Sum of GTIs [s]
livetime	36610.910371665	Livetime [s]
ontime0	37080.322177172	Sum of GTIs [s]
ontime1	37080.363217175	Sum of GTIs [s]
ontime2	37080.404257178	Sum of GTIs [s]
ontime3	37080.445297182	Sum of GTIs [s]
ontime6	37080.527377188	Sum of GTIs [s]
ontime7	37080.486337185	Sum of GTIs [s]
l2events	369244	Number of level 2 events



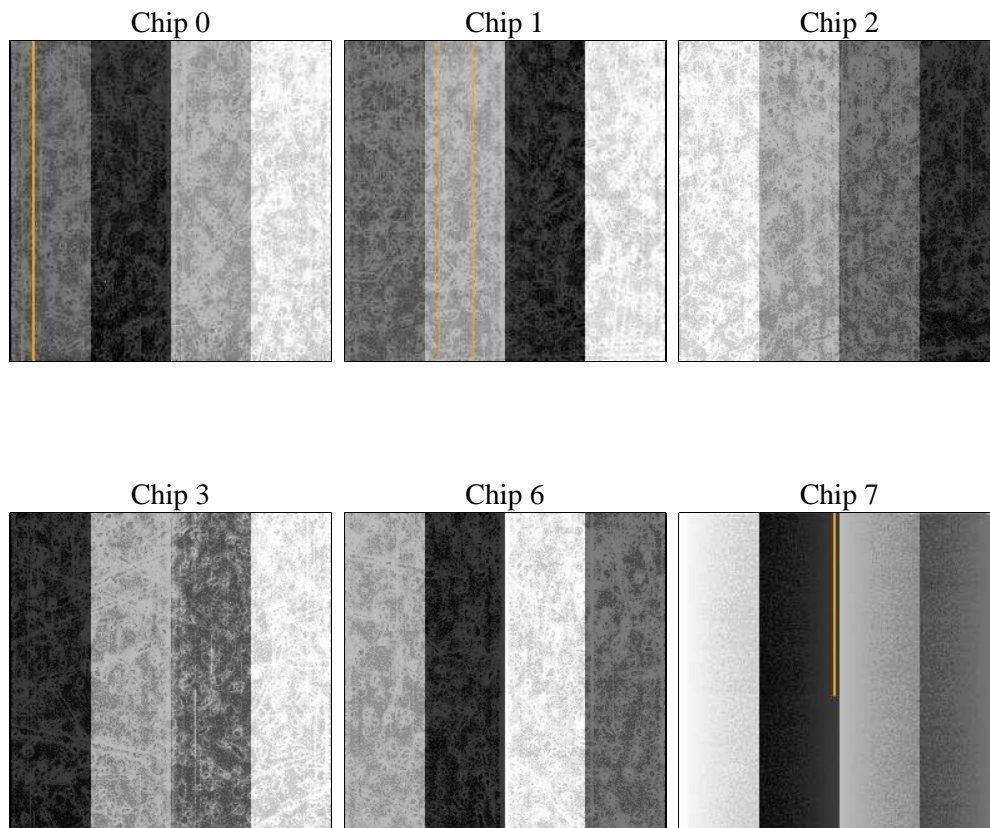
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37068.755000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	37080.445297182	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	37080.322177172	Sum of GTIs [s]
date	2012-04-11T16:19:38	Date and time of file creation	ontime1	37080.363217175	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	37080.404257178	Sum of GTIs [s]
			ontime3	37080.445297182	Sum of GTIs [s]
			ontime6	37080.527377188	Sum of GTIs [s]
			ontime7	37080.486337185	Sum of GTIs [s]
			l1events	2102543	Number of level 1 events

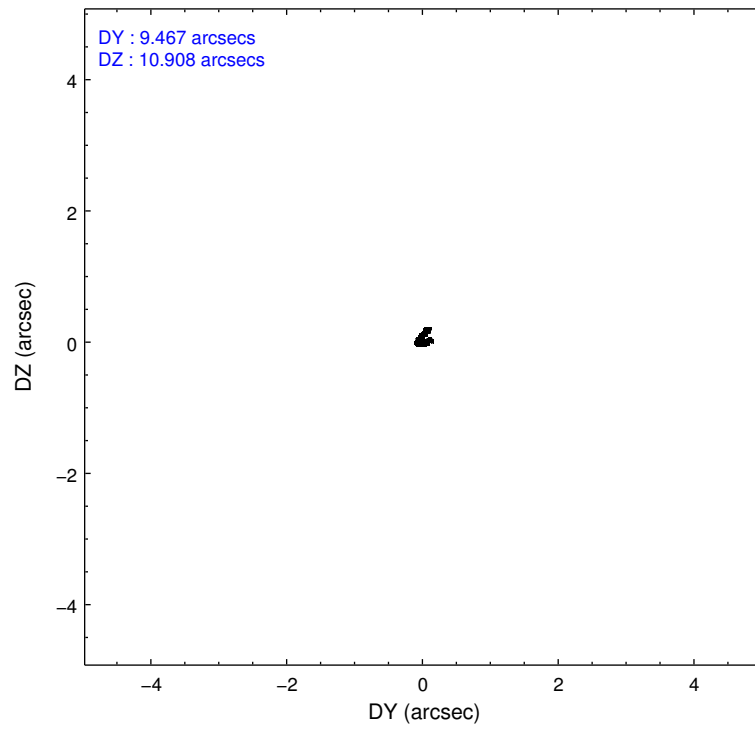
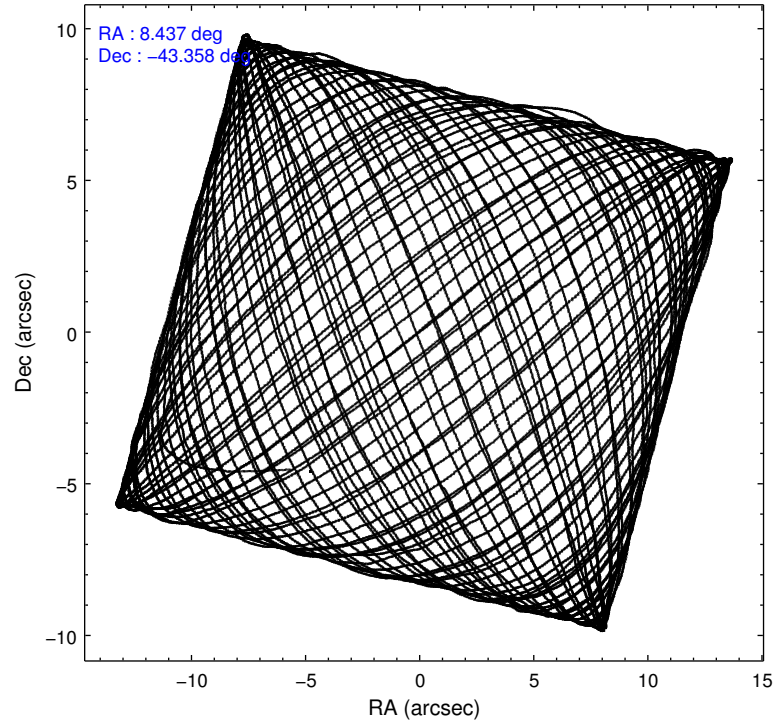
### 2.1.4 Events

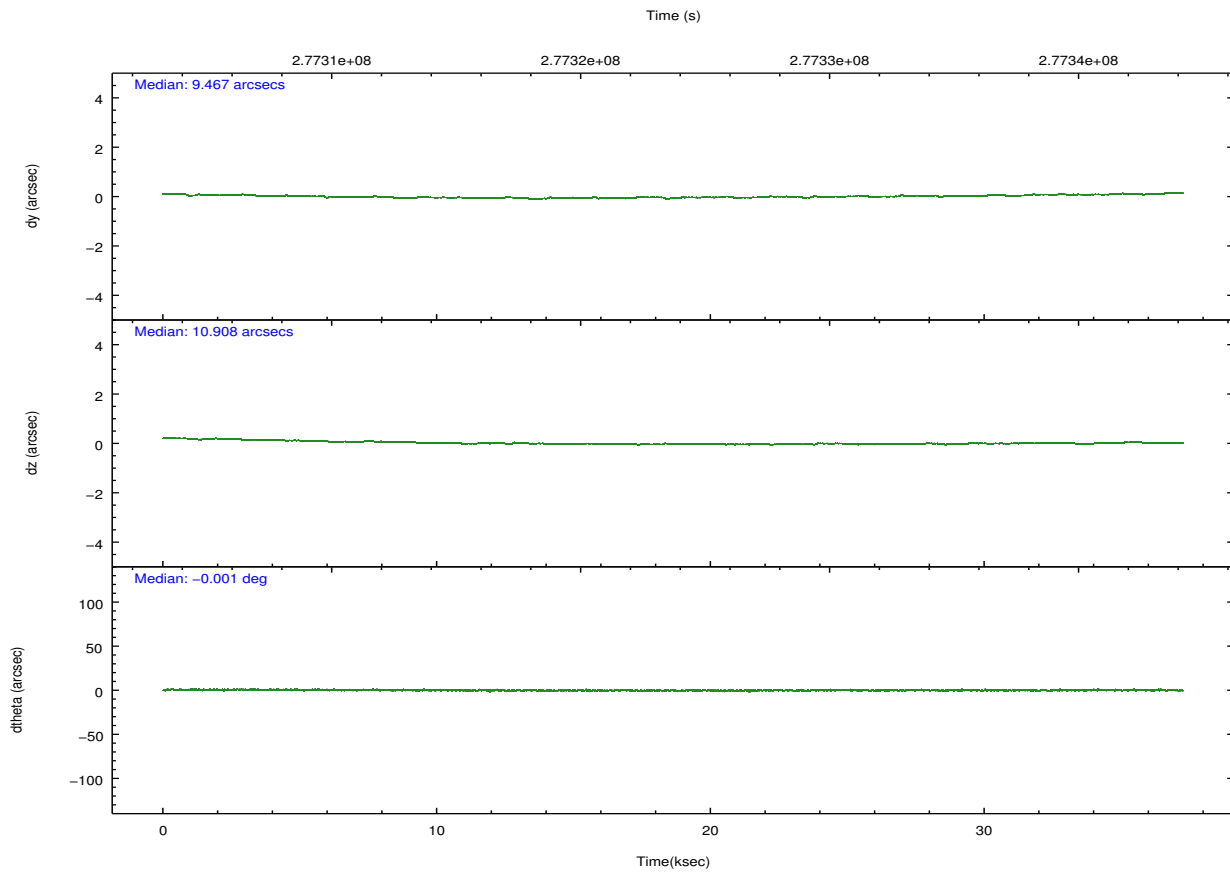
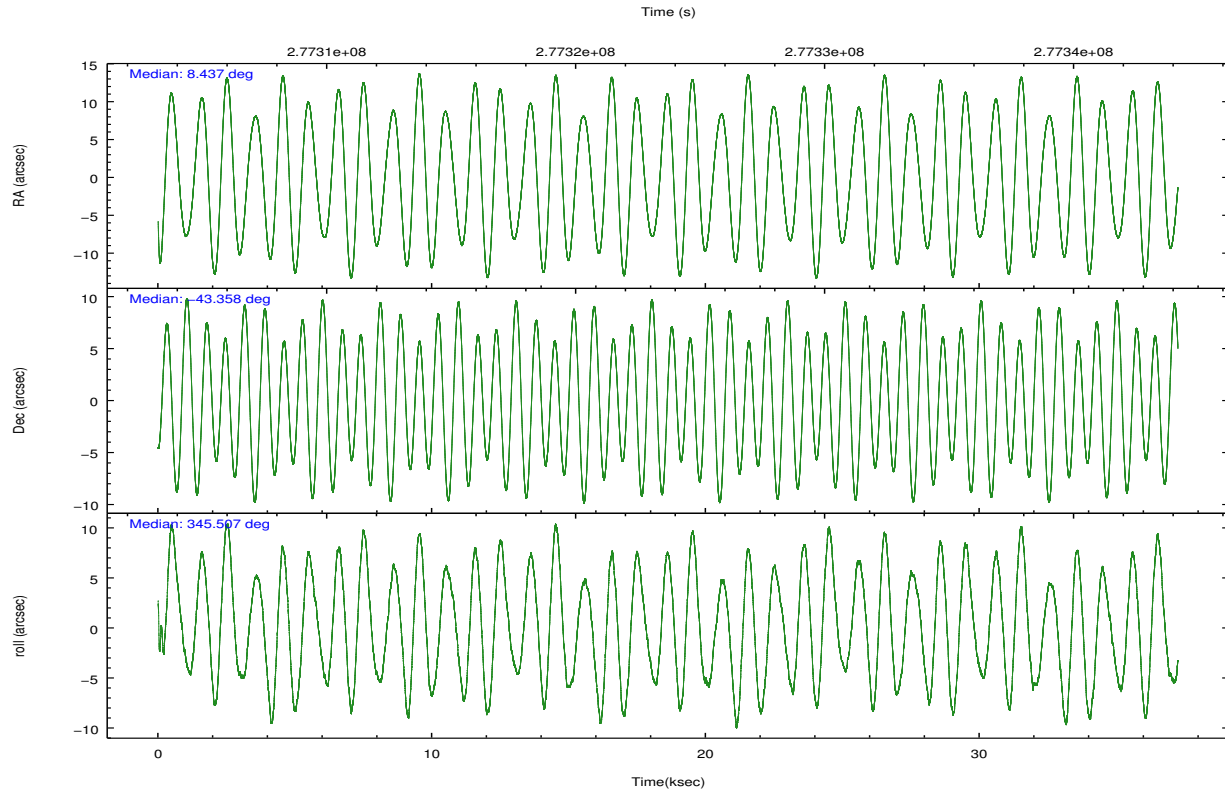
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	311769	311561	339521	327680	349179	462833	grade 0 events	17298	17087	18267	18536	16135	17004
rejected events	270952	268575	299017	286739	308451	266709		5%	5%	5%	5%	4%	3%
rejected %	86%	86%	88%	87%	88%	57%	grade 1 events	190	165	217	219	173	448
								0%	0%	0%	0%	0%	0%
							grade 2 events	9026	9632	8437	7787	8928	38883
								2%	3%	2%	2%	2%	8%
							grade 3 events	3947	4055	3684	3812	3717	16847
								1%	1%	1%	1%	1%	3%
							grade 4 events	3594	4024	3757	3849	3746	16719
								1%	1%	1%	1%	1%	3%
							grade 5 events	13070	14363	12795	15301	15811	42906
								4%	4%	3%	4%	4%	9%
							grade 6 events	6956	8192	6361	6960	8204	106691
								2%	2%	1%	2%	2%	23%
							grade 7 events	257688	254043	286003	271216	292465	223335
								82%	81%	84%	82%	83%	48%

## 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	8.400476	8.436739892007722	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.365804	-43.35836797064947	Alternating exposures requested	N	N
[deg] Pointing Roll	345.278293	345.5118808952746	[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)	277305283.184000	277304293.73886			
Observation start date	2006-10-15T13:13:38	2006-10-15T12:58:13			
[s] Observation end time (MET)	277342351.184000	277342583.12816			
Observation end date	2006-10-15T23:31:26	2006-10-15T23:36:23			
Read mode	TIMED	TIMED			

## 2.3 Aspect



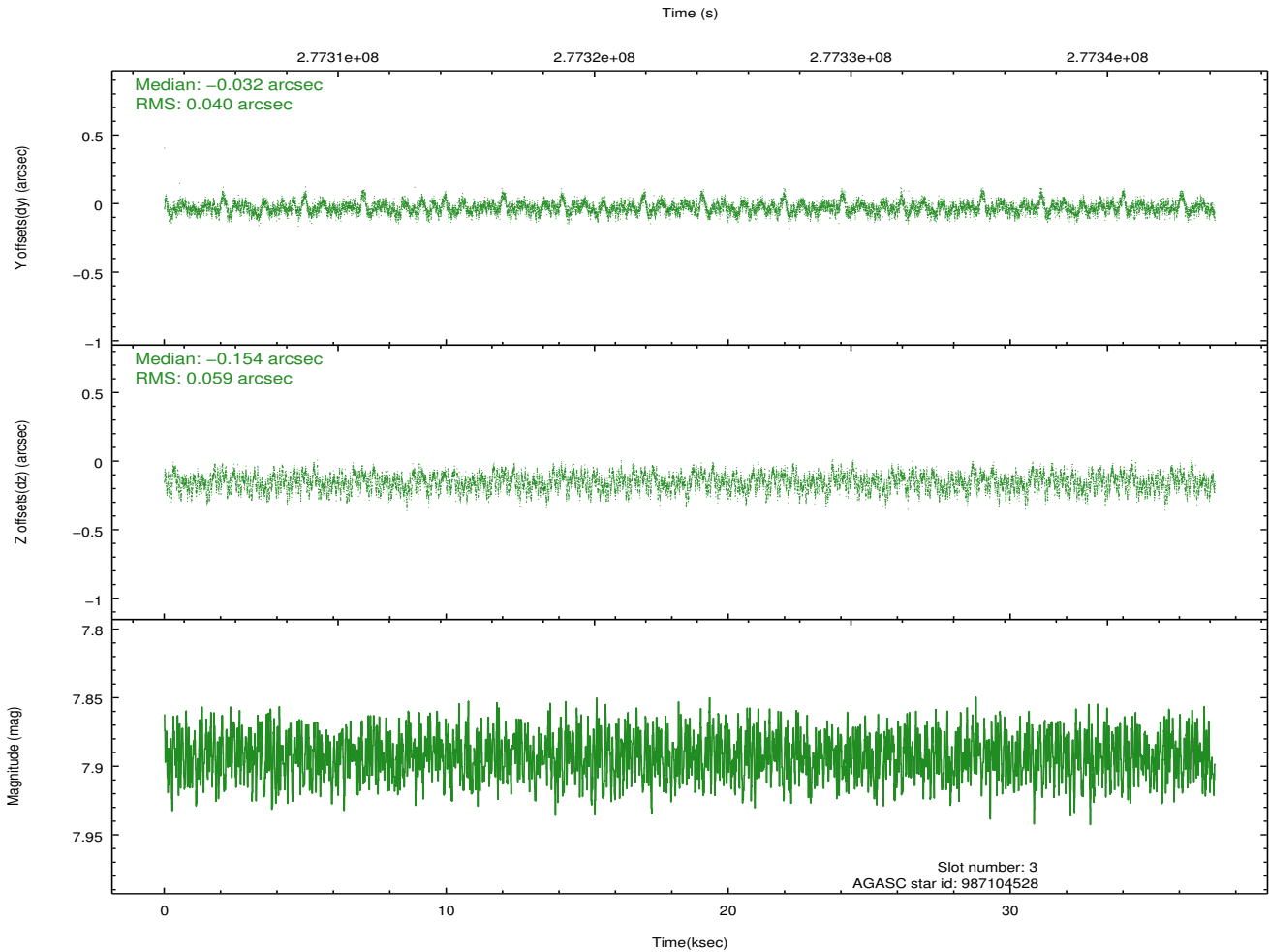
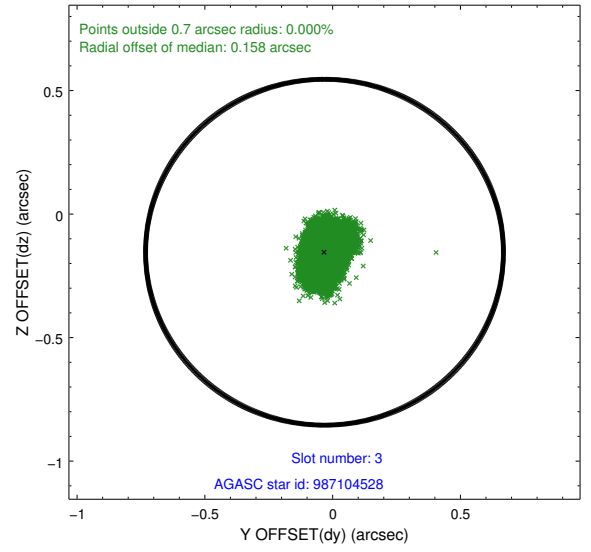
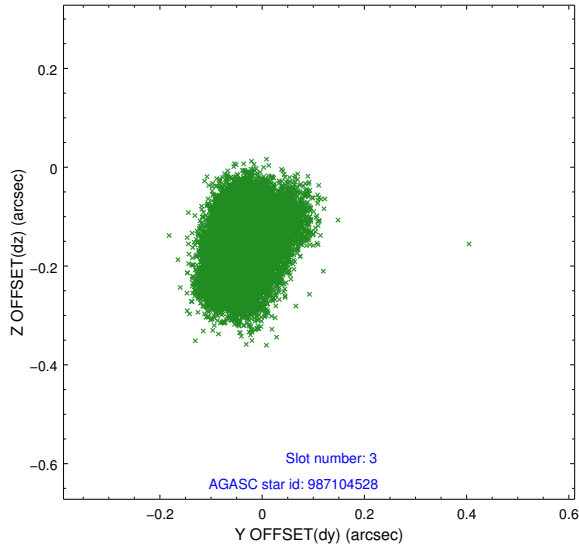


### Slot Statistics

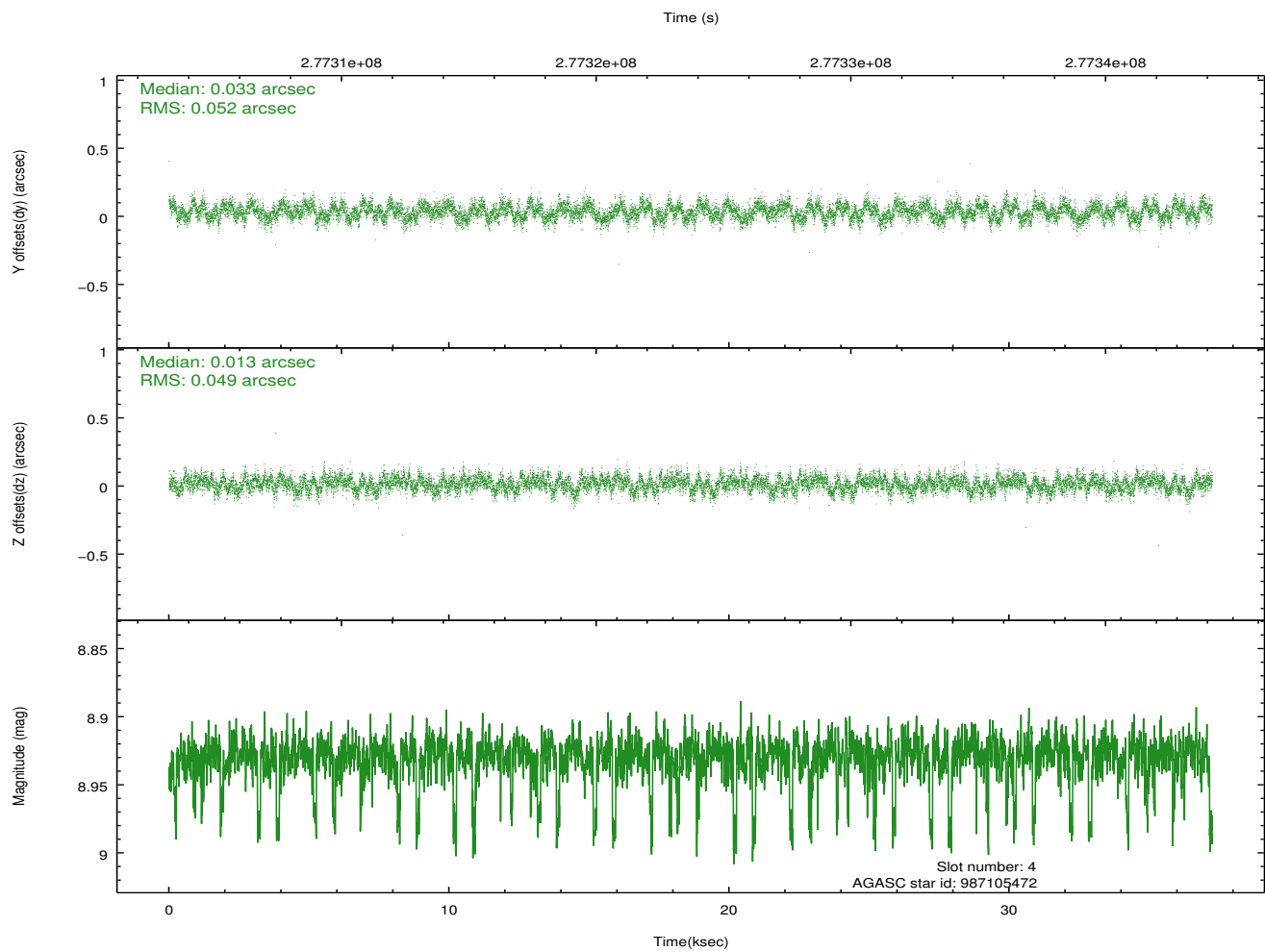
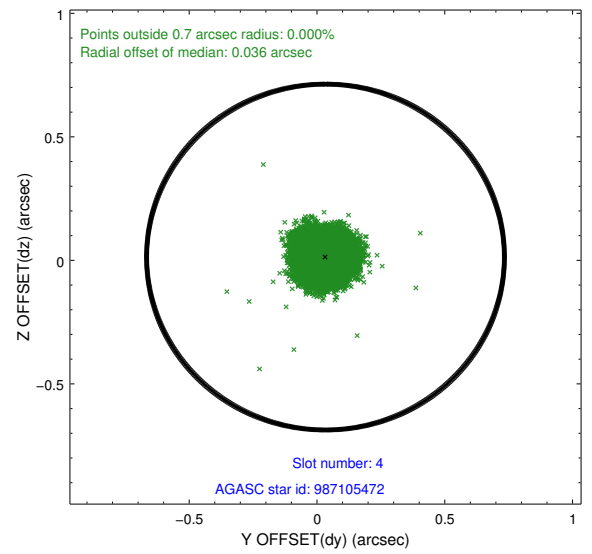
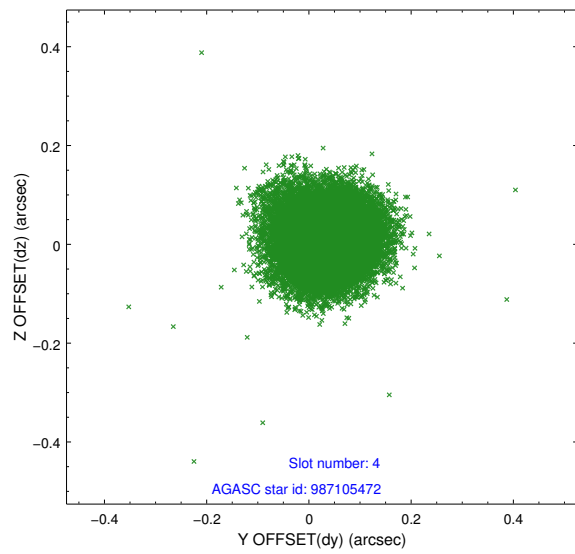
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	9085	0.051	-0.044	0.007	0.012	0.000000	0.000000	930.18	-834.48
1	FID	ACIS-I-5	7.24	9087	-0.213	0.048	0.007	0.011	0.000000	0.000000	-1818.16	1063.12
2	FID	ACIS-I-6	7.25	9086	0.071	0.066	0.008	0.013	0.000000	0.000000	395.74	1707.65
3	GUIDE	987104528	7.89	18173	-0.032	-0.154	0.077	0.124	7.827041	-43.606390	-1223.85	-1222.81
4	GUIDE	987105472	8.93	18153	0.033	0.013	0.077	0.122	9.076108	-43.240154	1600.20	880.51
5	GUIDE	987105504	8.50	18165	0.074	0.146	0.065	0.105	7.758108	-43.292185	-1693.03	-177.61
6	GUIDE	987110288	9.45	18130	-0.076	0.095	0.097	0.156	8.853930	-43.126927	934.89	1131.48
7	GUIDE	987105008	8.50	18161	-0.002	-0.095	0.066	0.108	8.512368	-44.078521	932.70	-2408.15

## 2.4 Star Slots

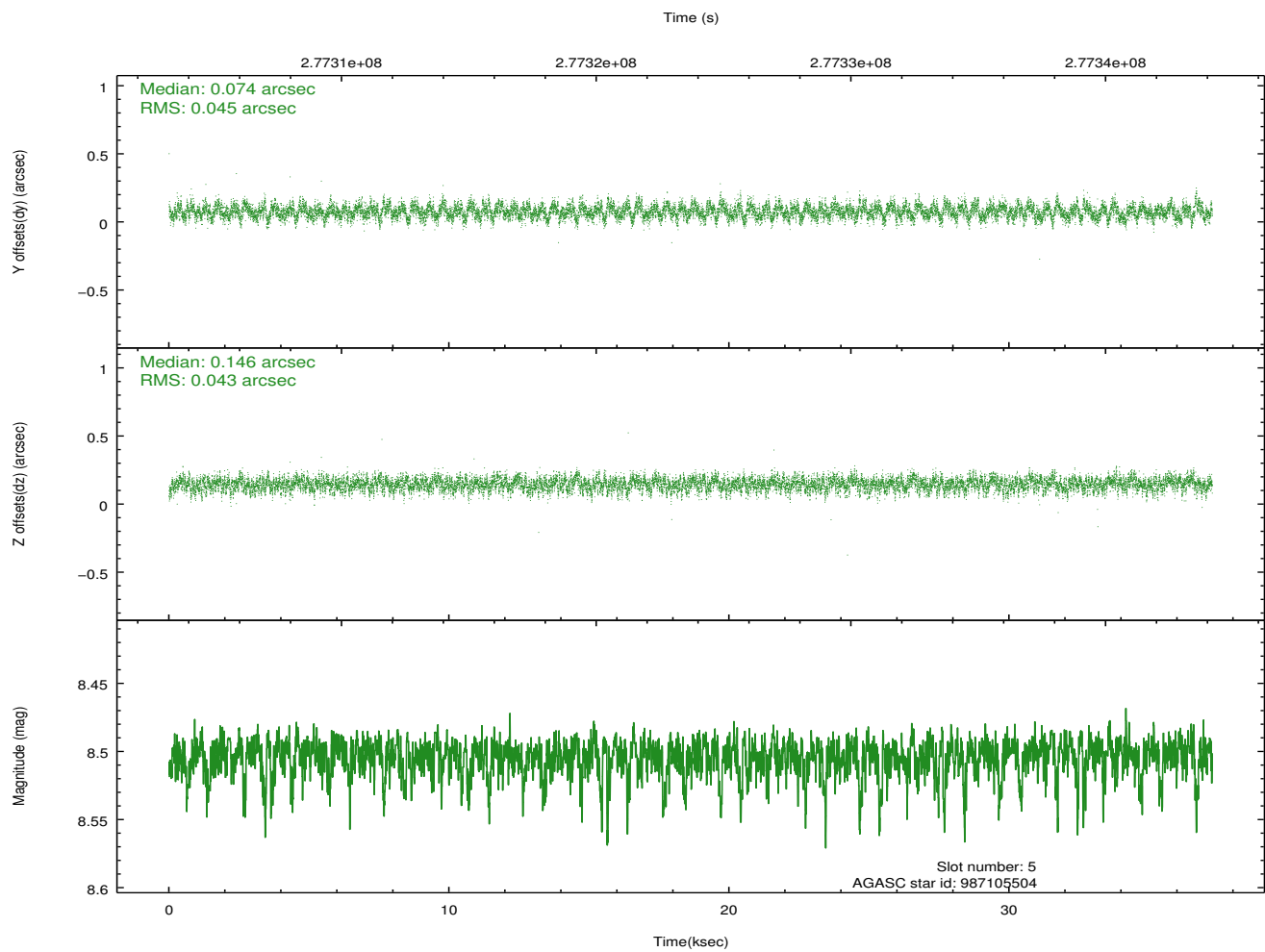
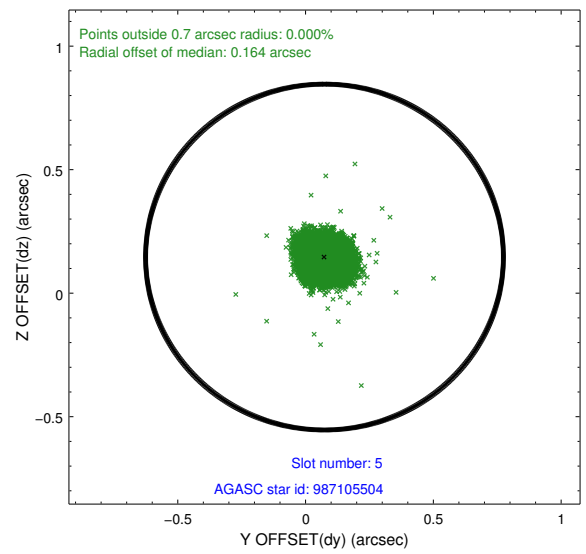
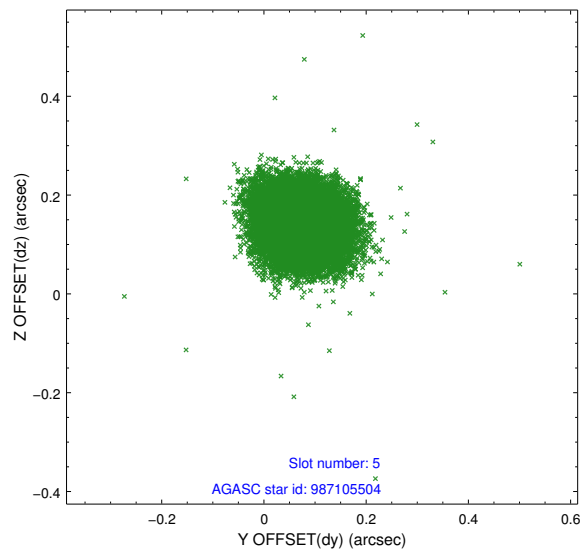
### 2.4.1 Slot 3



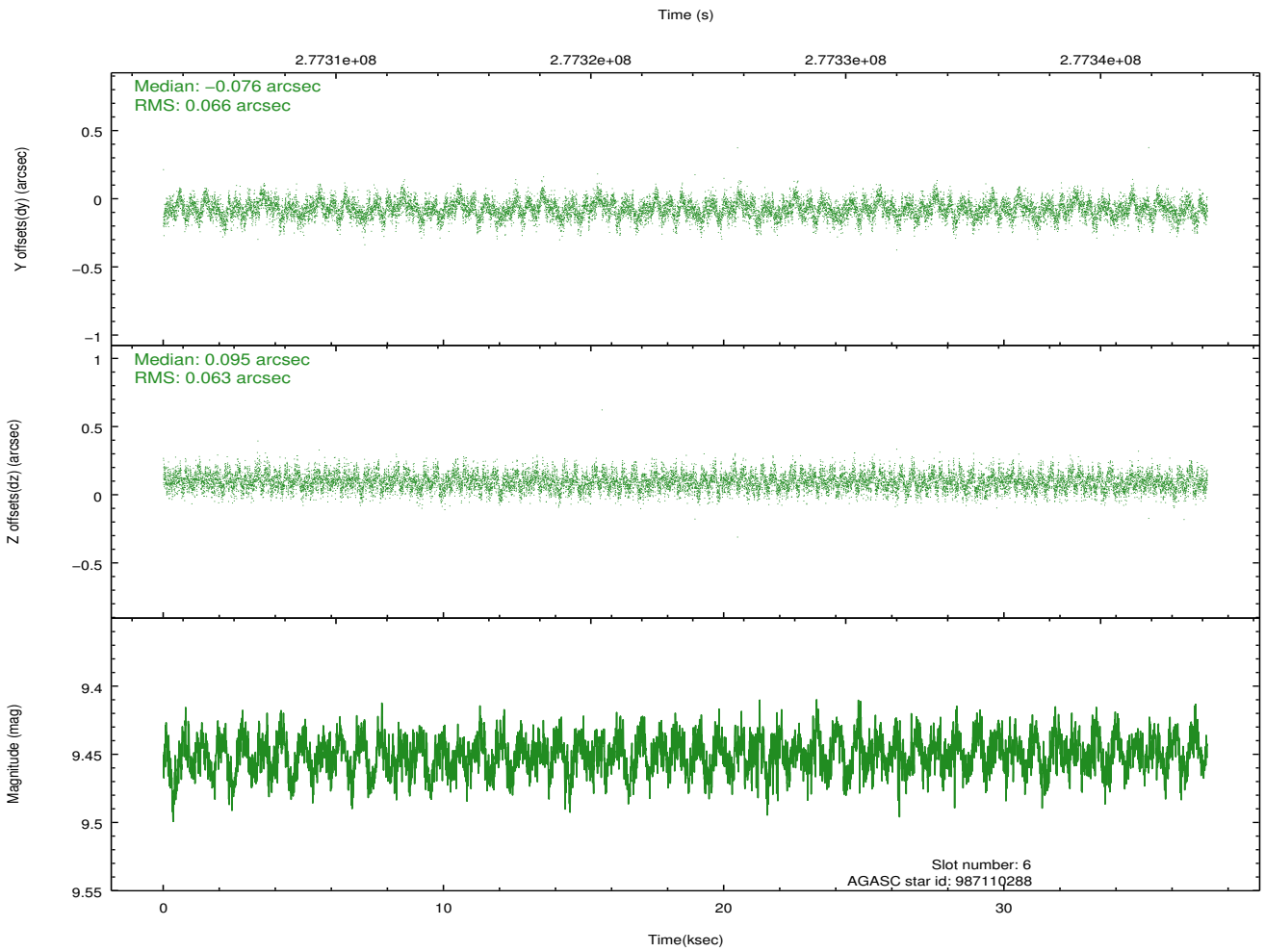
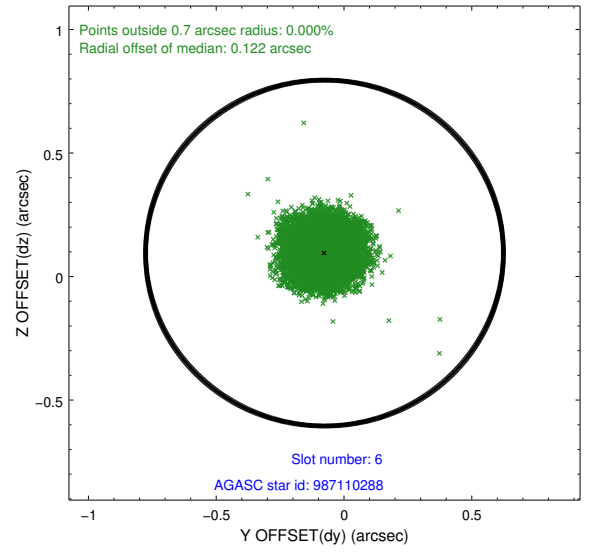
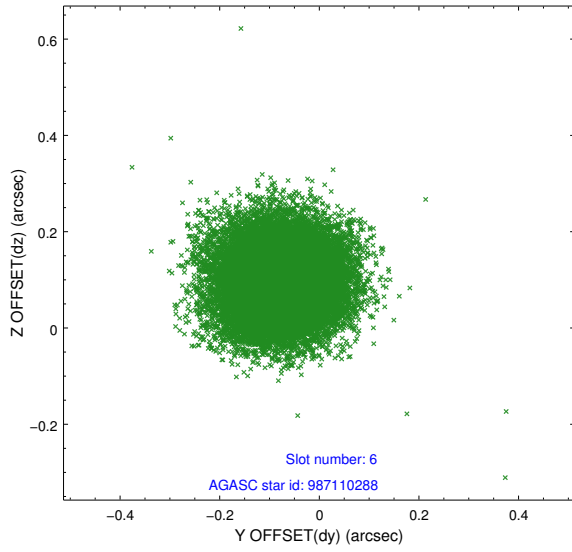
## 2.4.2 Slot 4



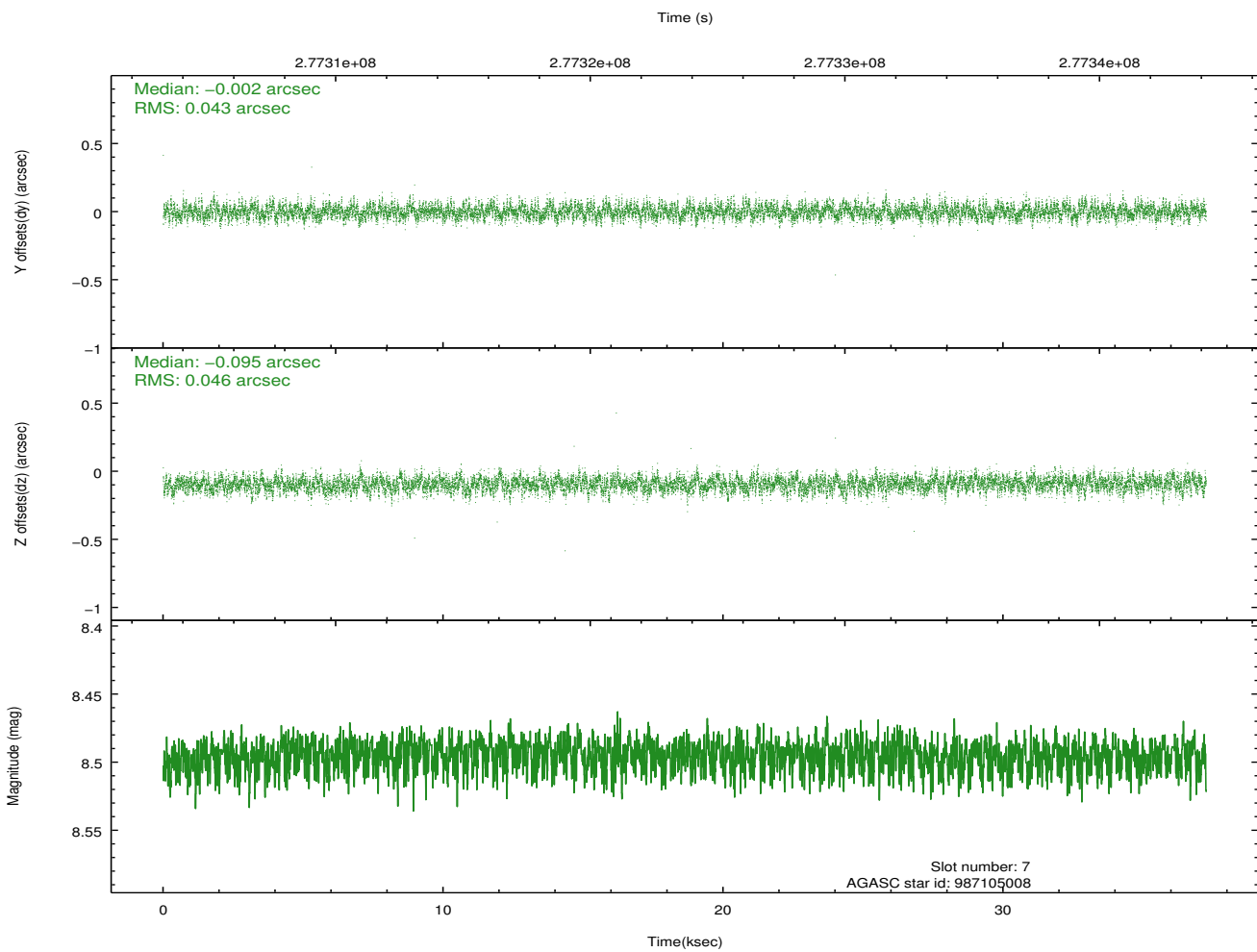
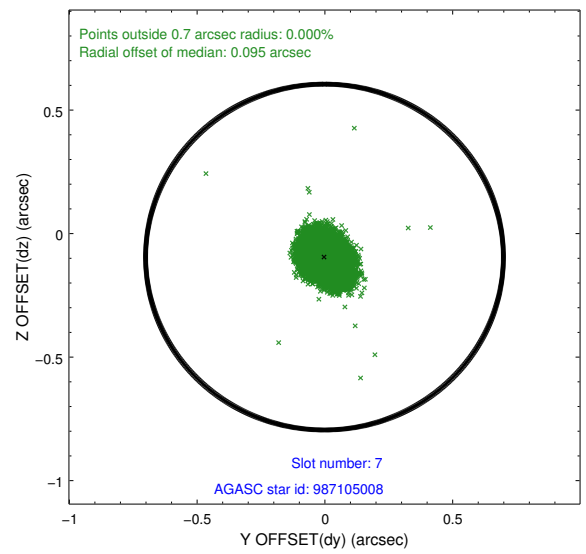
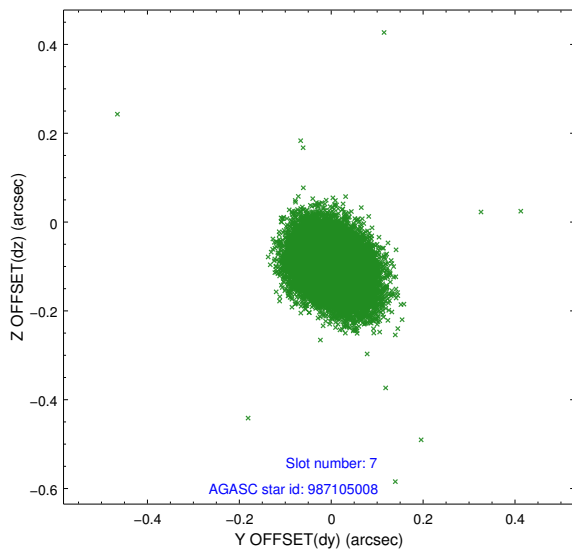
### 2.4.3 Slot 5



### 2.4.4 Slot 6

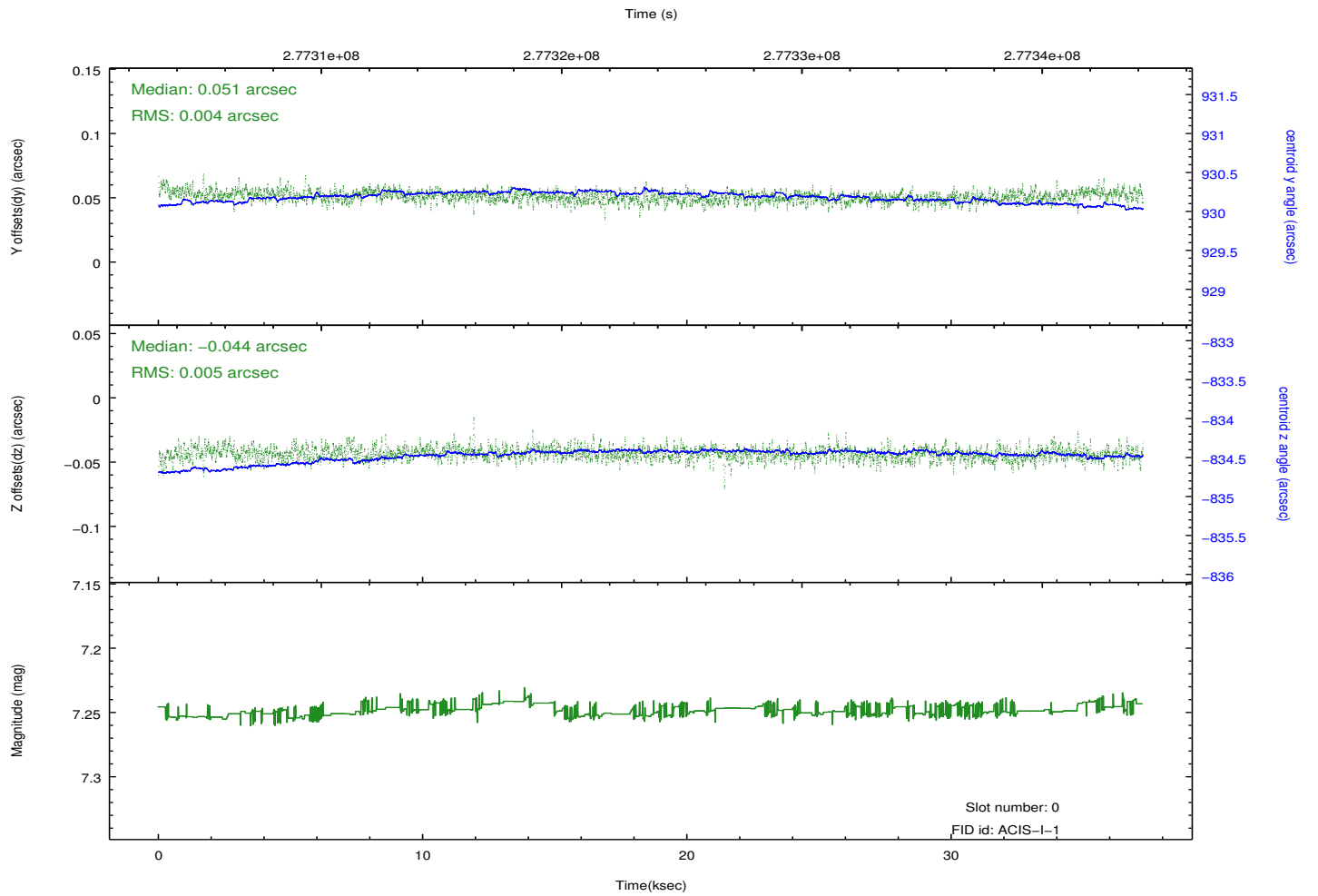
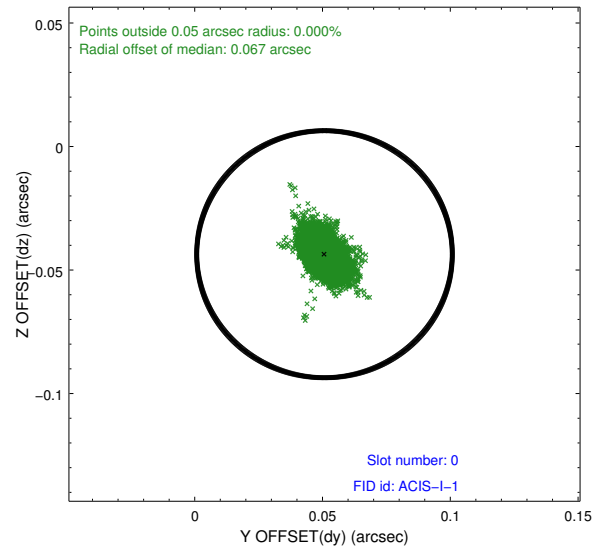
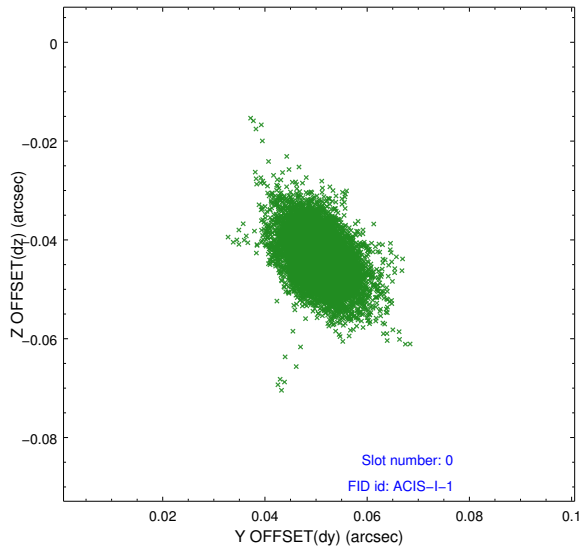


## 2.4.5 Slot 7

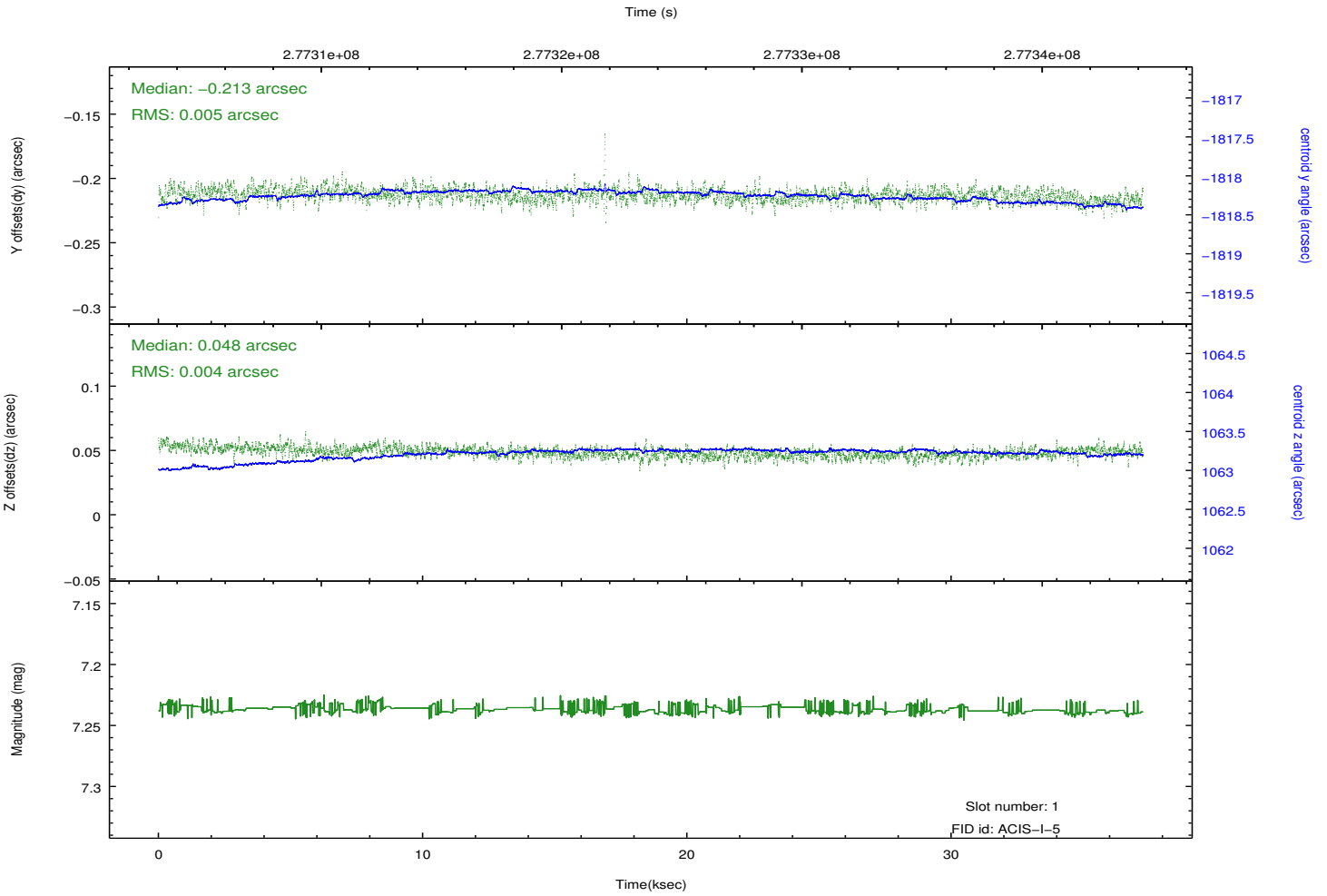
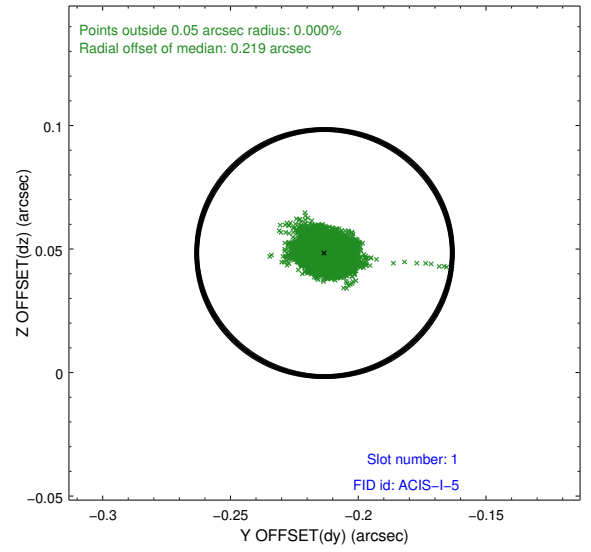
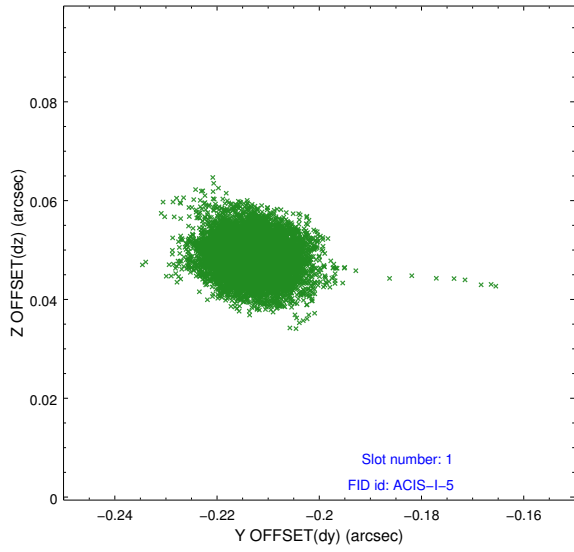


## 2.5 FID Slots

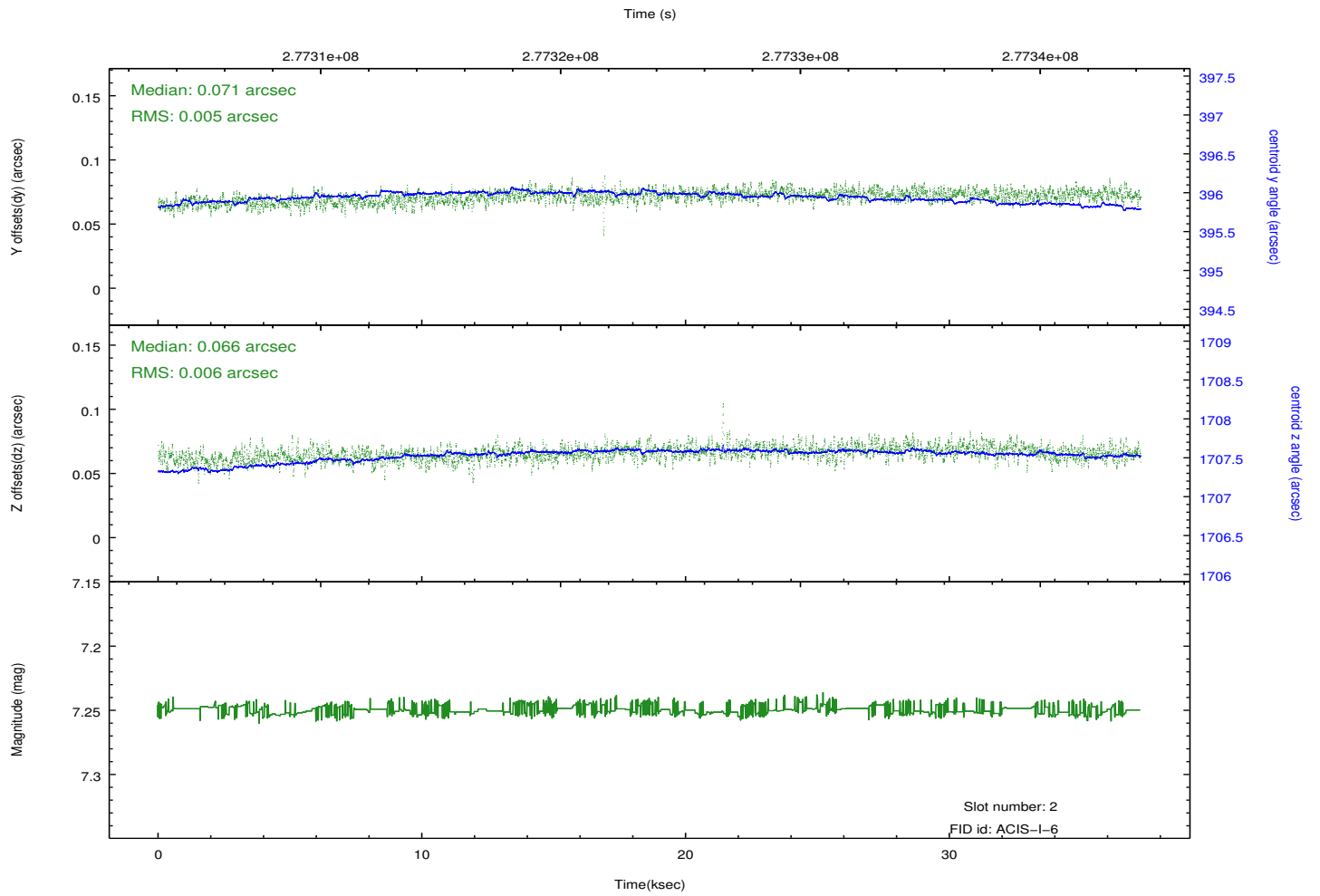
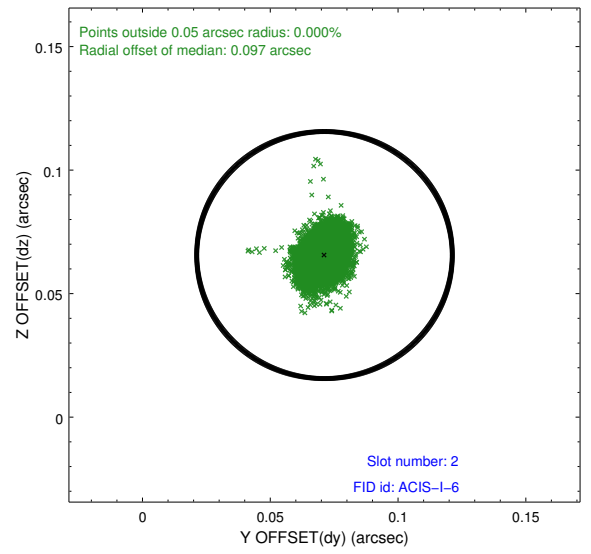
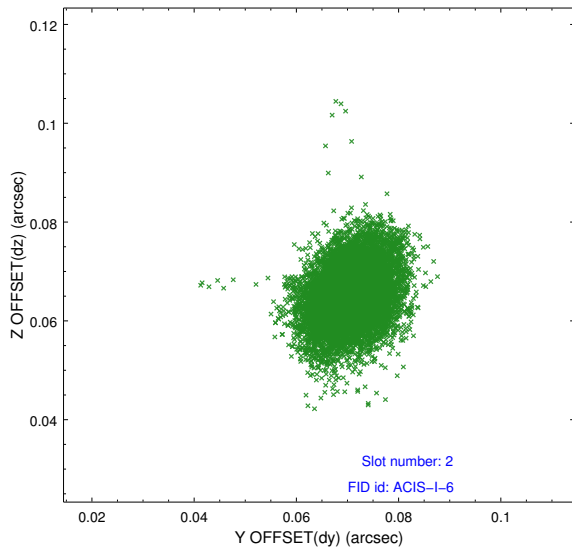
### 2.5.1 Slot 0



## 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)	2012.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.0815998

## A.2 Comments