

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11690 - L2 Version 2  
Chandra X-Ray Center

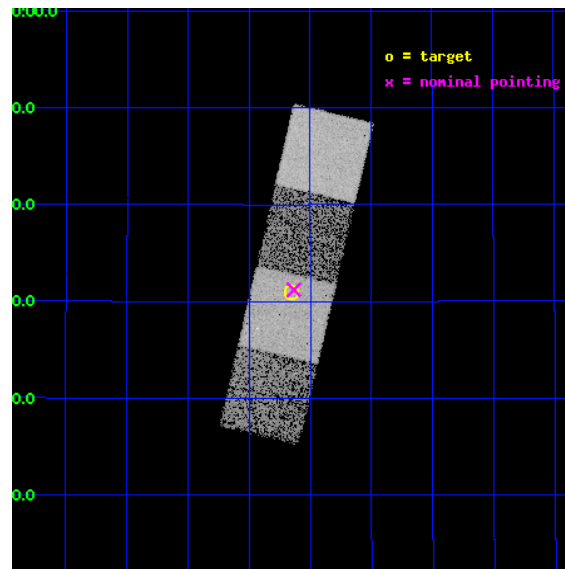
L2 Processing Date : Jun 18 2012

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# 1 Front

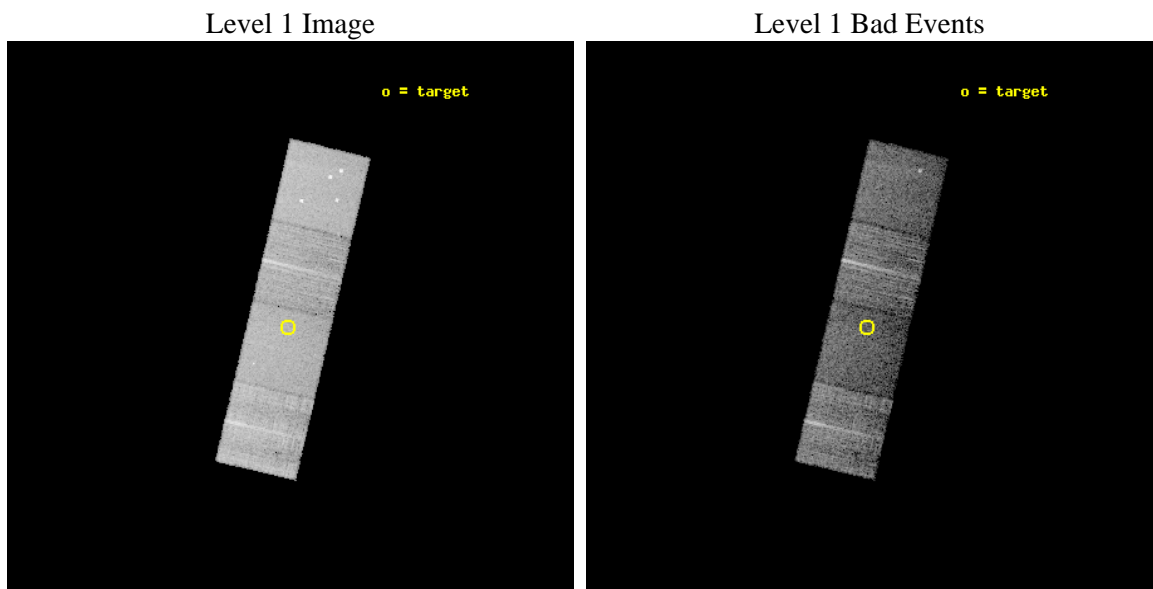
seq_num	702275	Sequence number
obs_id	11690	Observation id
title	Chandra survey of Polar Broad Absorption-Line Quasars	Proposal tit
observer	Dr. Kajal Ghosh	Principal investigator
object	SDSS J081839.00+313100.1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	124.6625	Observer's specified target RA [deg]
dec_targ	31.516694	Observer's specified target Dec [deg]
ra_nom	124.65844585444	Nominal RA [deg]
dec_nom	31.520126066536	Nominal Dec [deg]
roll_nom	103.15873829401	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6041.6721956134	Sum of GTIs [s]
livetime	5962.7333005633	Livetime [s]
ontime5	6041.6311556101	Sum of GTIs [s]
ontime6	6041.5901156068	Sum of GTIs [s]
ontime7	6041.6721956134	Sum of GTIs [s]
ontime8	6041.5490756035	Sum of GTIs [s]
l2events	73007	Number of level 2 events



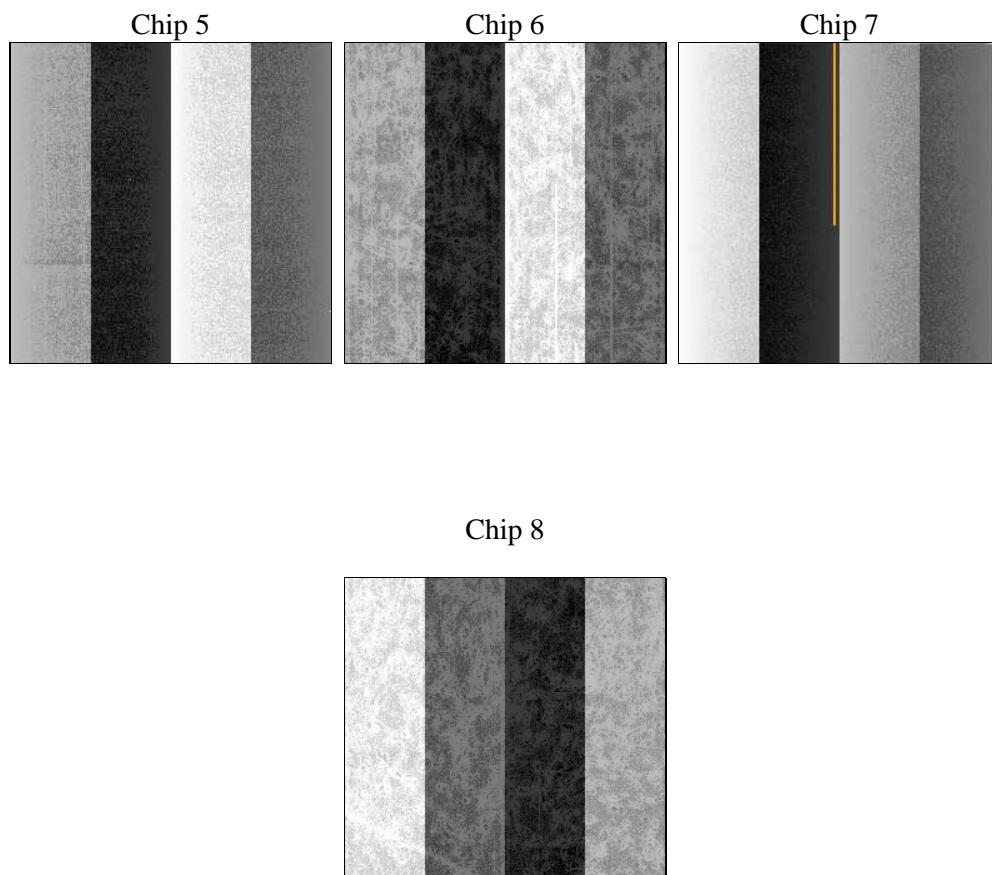
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6041.6721956134	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime5	6041.6311556101	Sum of GTIs [s]
date	2012-06-18T07:34:34	Date and time of file creation	ontime6	6041.5901156068	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	6041.6721956134	Sum of GTIs [s]
			ontime8	6041.5490756035	Sum of GTIs [s]
			l1events	265077	Number of level 1 events

### 2.1.4 Events

	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	77434	54056	60656	72931
rejected events	38397	48465	32929	55239
rejected %	49%	89%	54%	75%

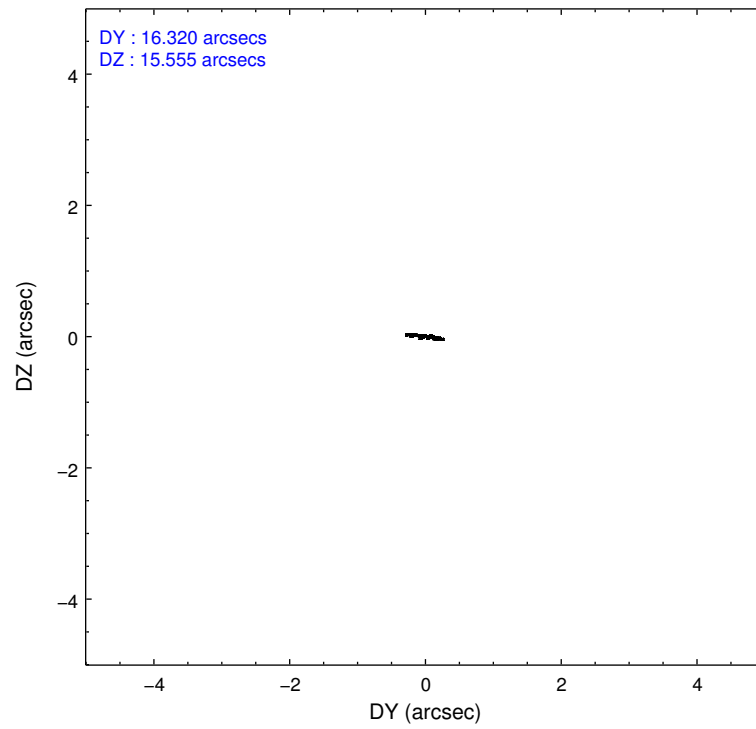
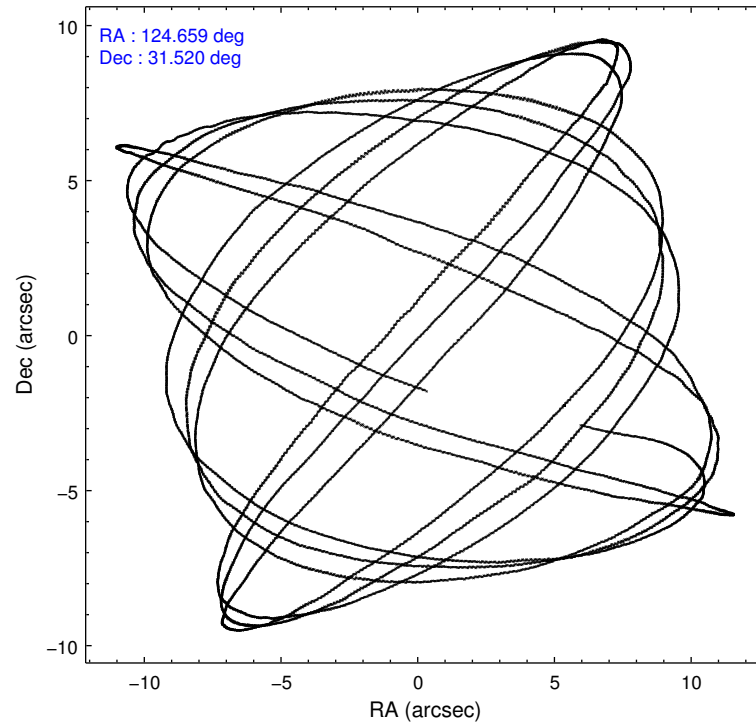
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4888	1950	2701	5074
	6%	3%	4%	6%
grade 1 events	147	20	74	53
	0%	0%	0%	0%
grade 2 events	11350	1225	5774	4247
	14%	2%	9%	5%
grade 3 events	1628	588	2453	1825
	2%	1%	4%	2%
grade 4 events	1420	620	2482	1696
	1%	1%	4%	2%
grade 5 events	6141	2200	6354	3253
	7%	4%	10%	4%
grade 6 events	19800	1217	14348	4861
	25%	2%	23%	6%
grade 7 events	32060	46236	26470	51922
	41%	85%	43%	71%

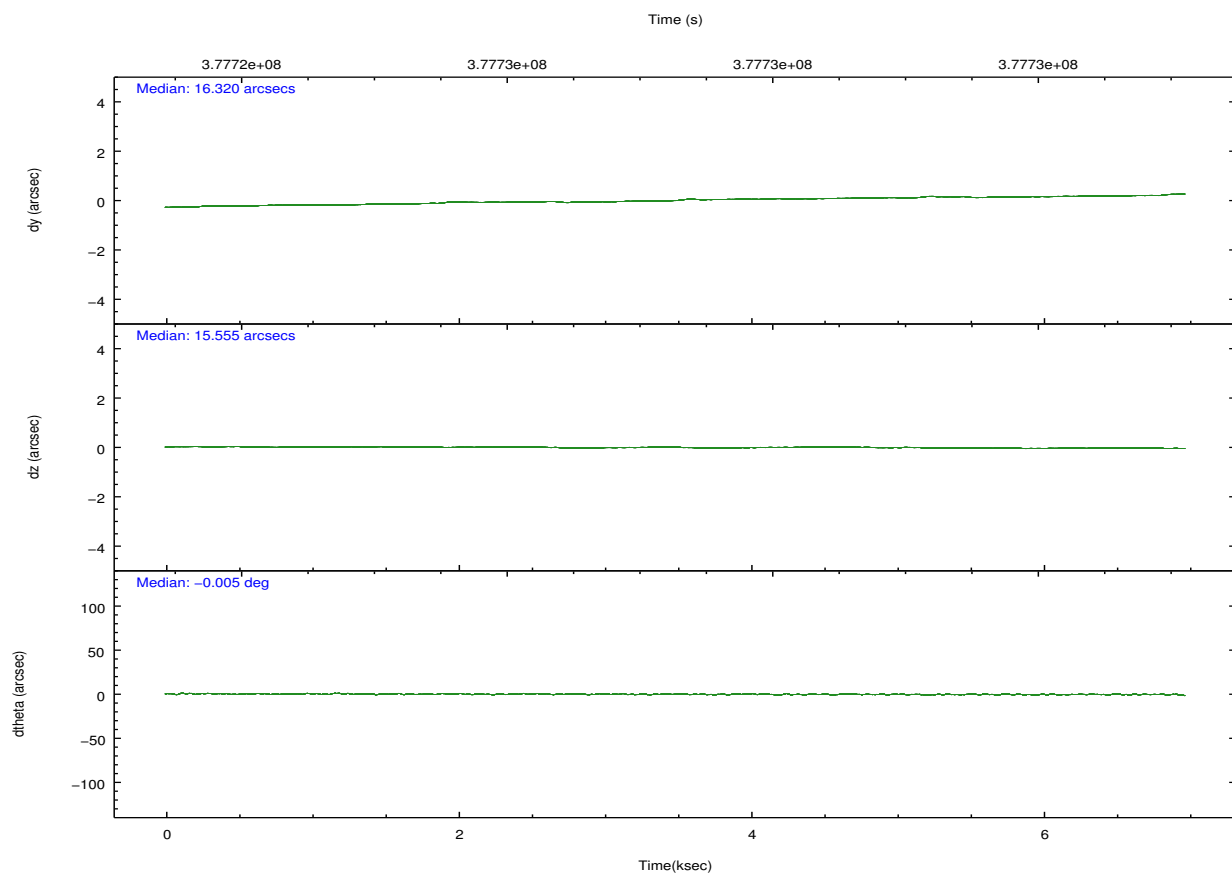
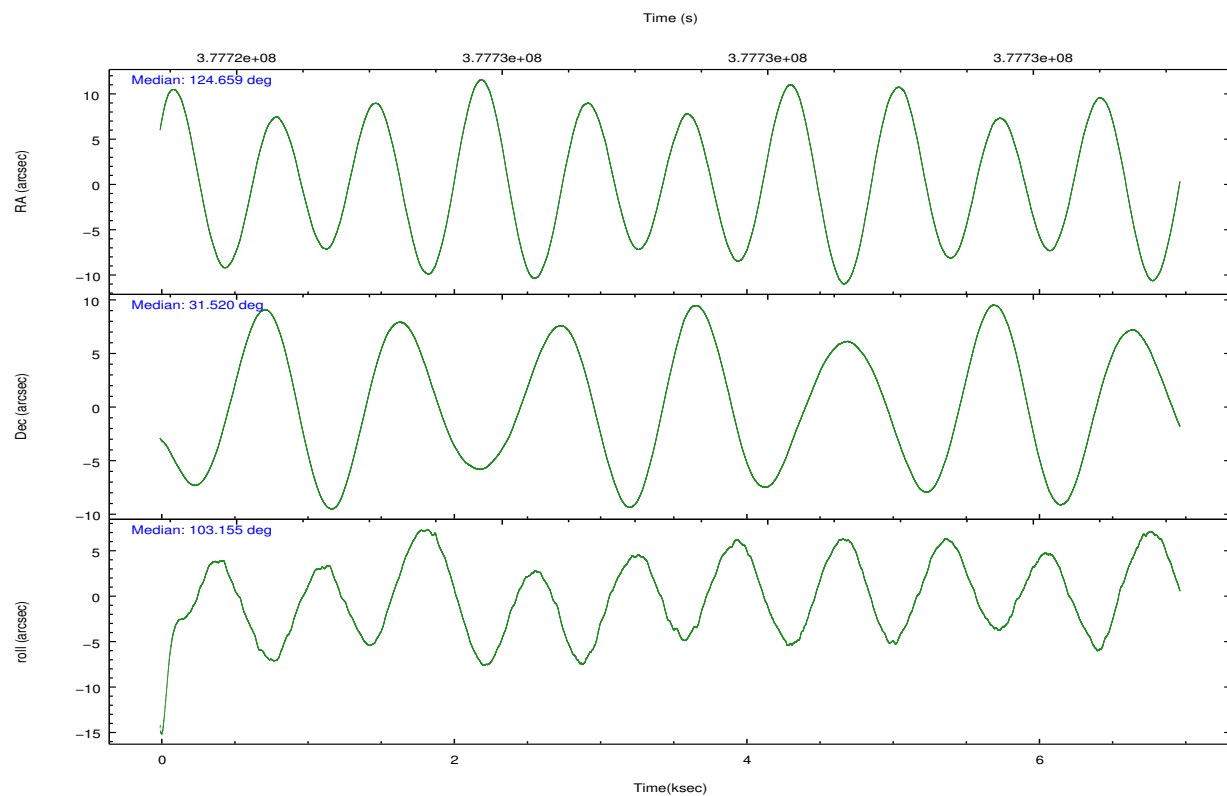


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	124.680735	124.6584458544438	Subarray requested	NONE	NONE
[deg] Pointing Dec	31.500444	31.52012606653568	Alternating exposures requested	N	N
[deg] Pointing Roll	102.990470	103.1587382940135	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	377724737.184000	377723472.05029			
Observation start date	2009-12-20T19:31:11	2009-12-20T19:11:12			
[s] Observation end time (MET)	377730737.184000	377731357.88819			
Observation end date	2009-12-20T21:11:11	2009-12-20T21:22:37			
Read mode	TIMED	TIMED			

## 2.3 Aspect



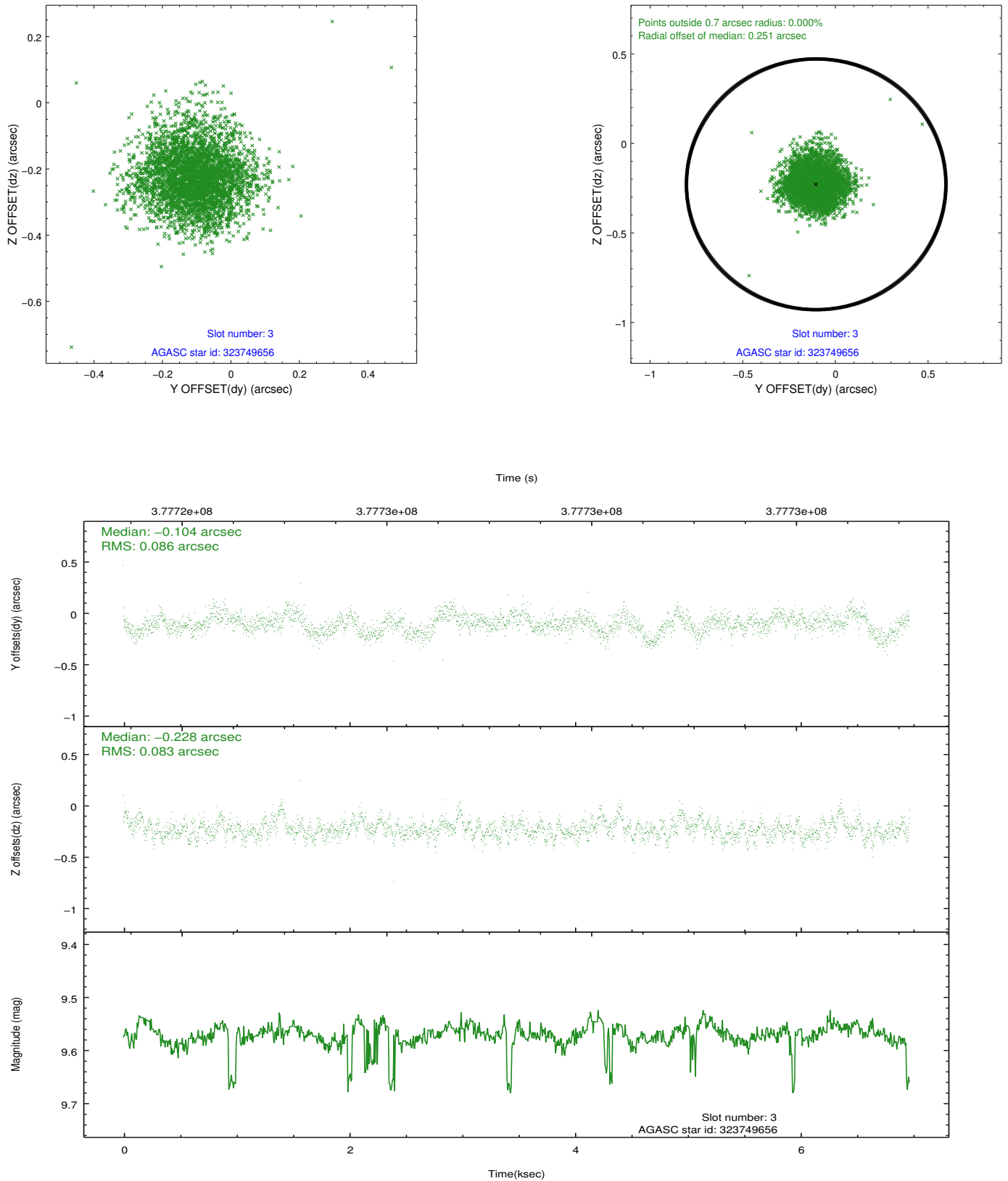


### Slot Statistics

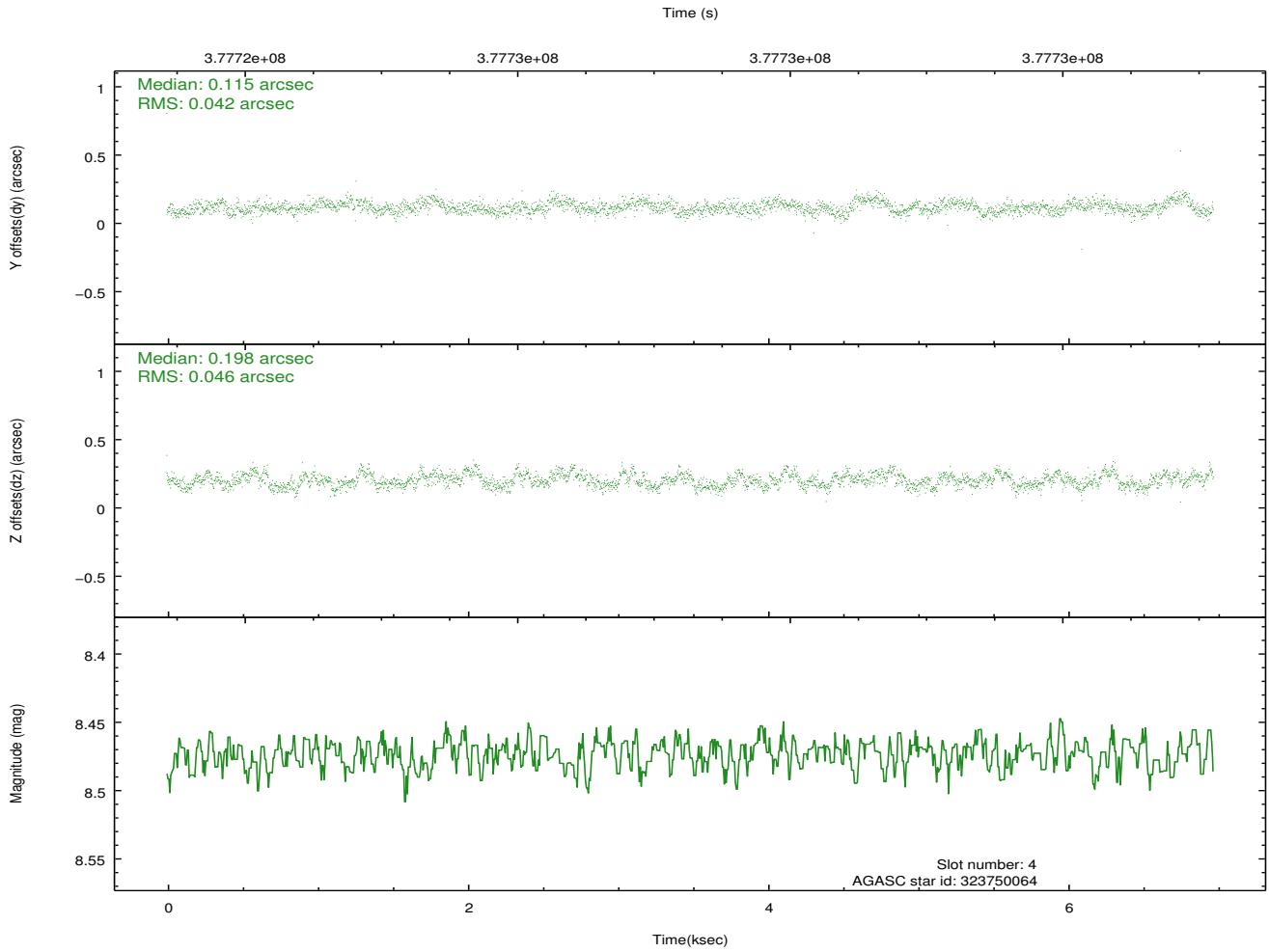
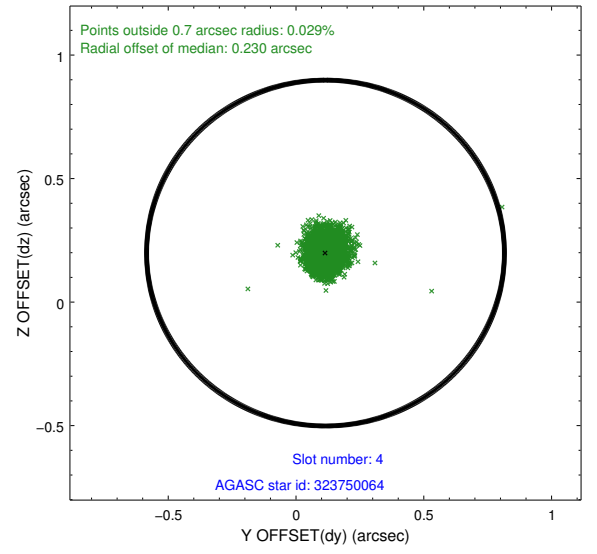
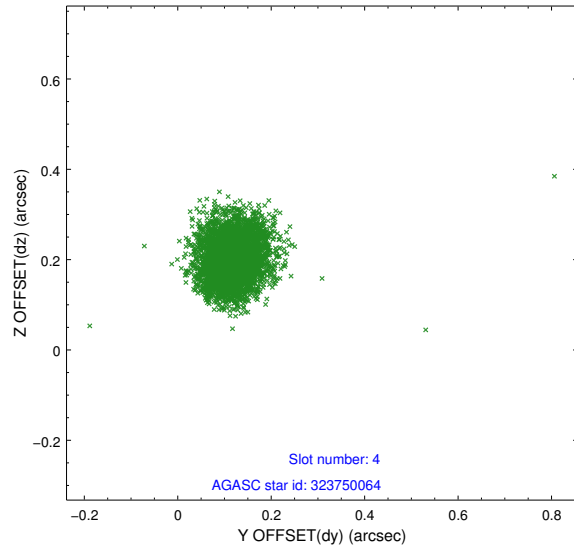
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1701	-0.098	-0.015	0.006	0.010	0.000000	0.000000	-769.40	-1736.97
1	FID	ACIS-S-4	6.97	1701	0.186	0.051	0.005	0.009	0.000000	0.000000	2143.76	170.76
2	FID	ACIS-S-5	7.00	1701	-0.120	-0.027	0.006	0.010	0.000000	0.000000	-1821.23	165.24
3	GUIDE	323749656	9.57	3384	-0.104	-0.228	0.127	0.202	124.580983	31.739365	906.74	104.20
4	GUIDE	323750064	8.47	3397	0.115	0.198	0.065	0.103	125.414441	31.095173	-1922.02	-1877.47
5	GUIDE	323753248	9.19	3400	-0.024	0.014	0.097	0.158	124.664286	31.809592	1095.60	-201.46
6	GUIDE	323753632	9.52	3385	-0.017	-0.242	0.097	0.162	124.613929	30.845391	-2250.86	731.00
7	GUIDE	323750984	9.56	3398	0.025	0.255	0.118	0.183	125.535533	31.359805	-1074.32	-2448.44

## 2.4 Star Slots

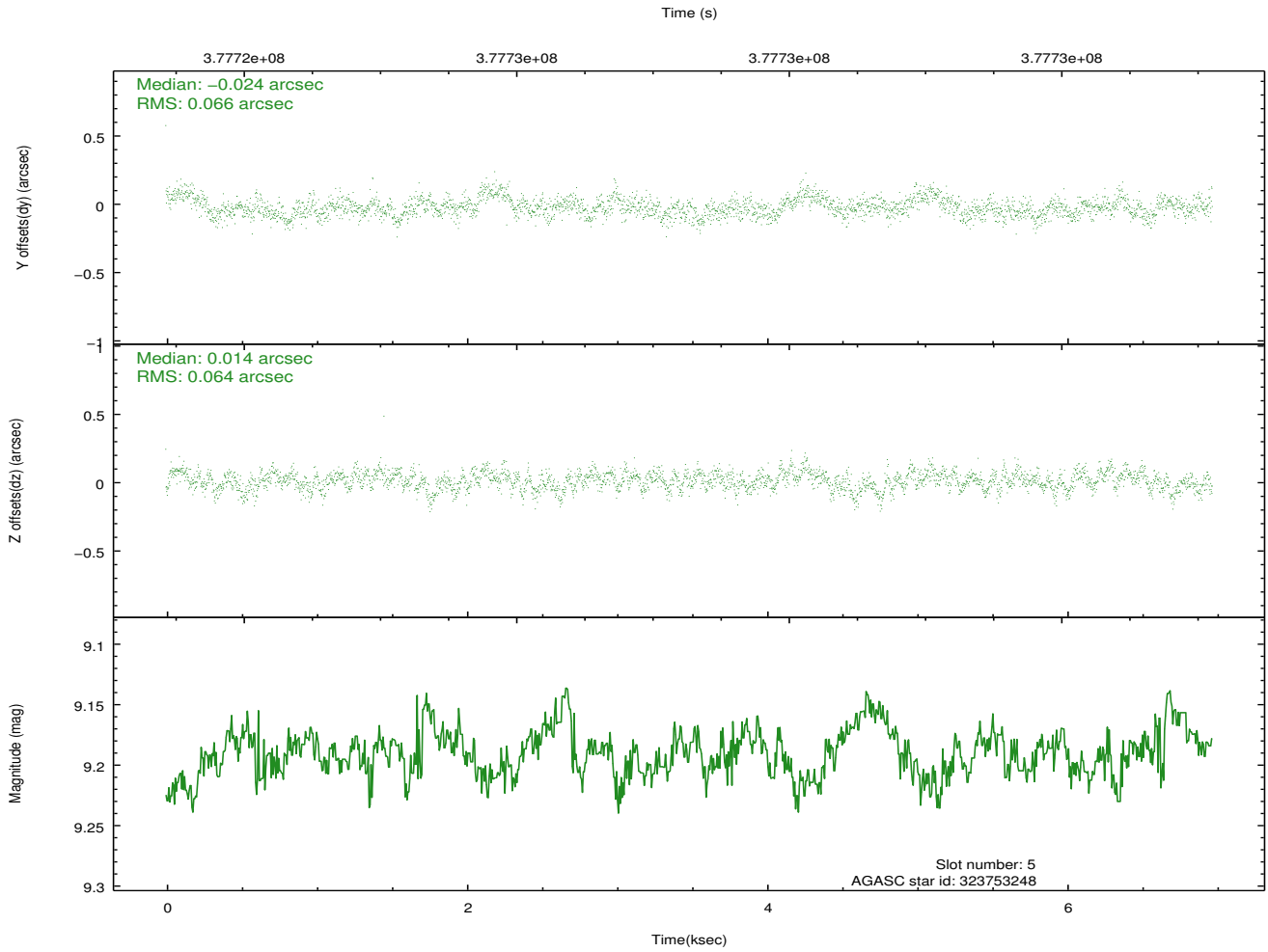
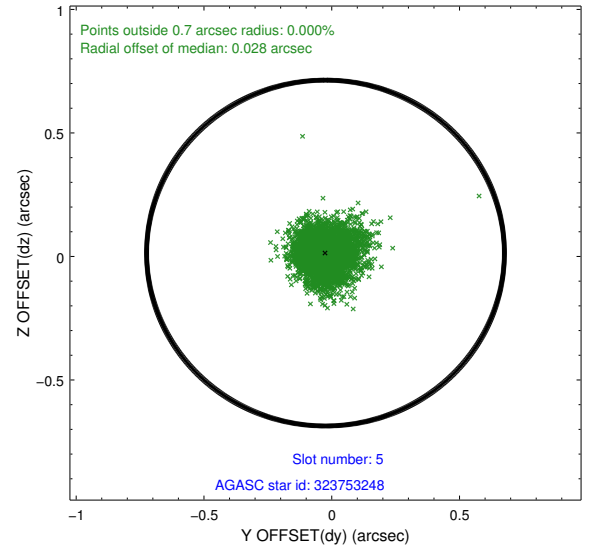
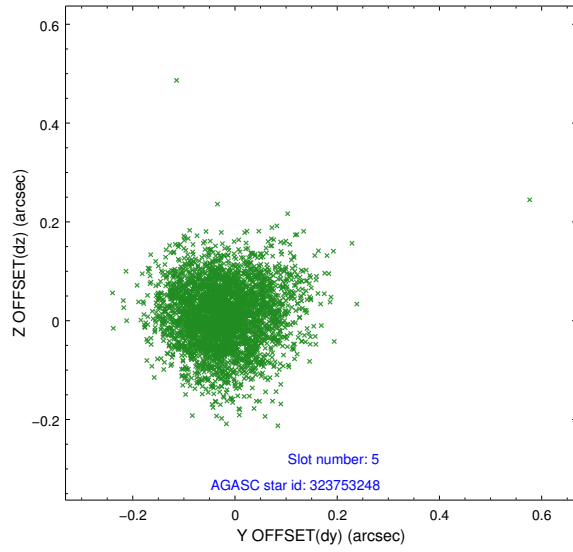
### 2.4.1 Slot 3



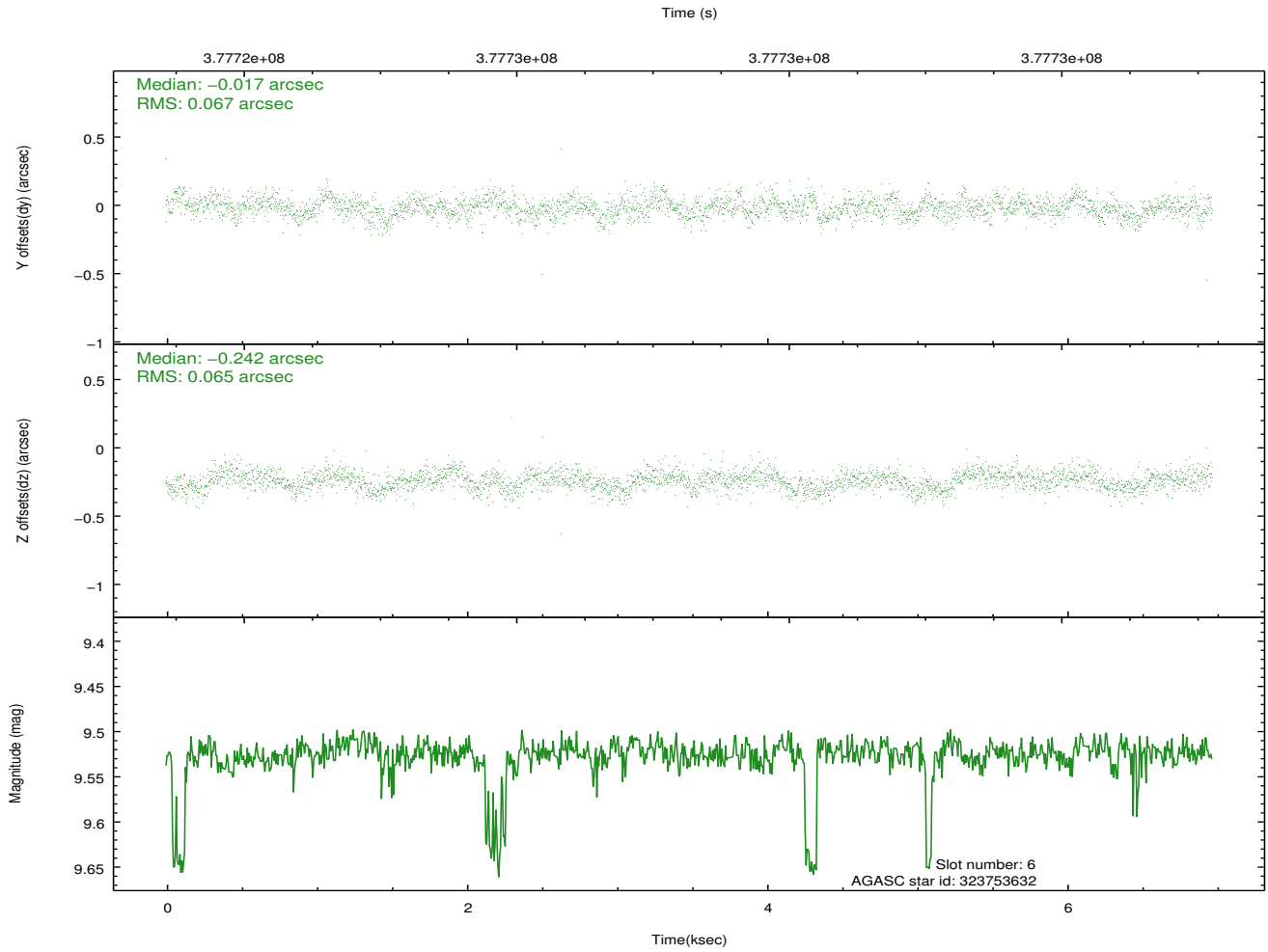
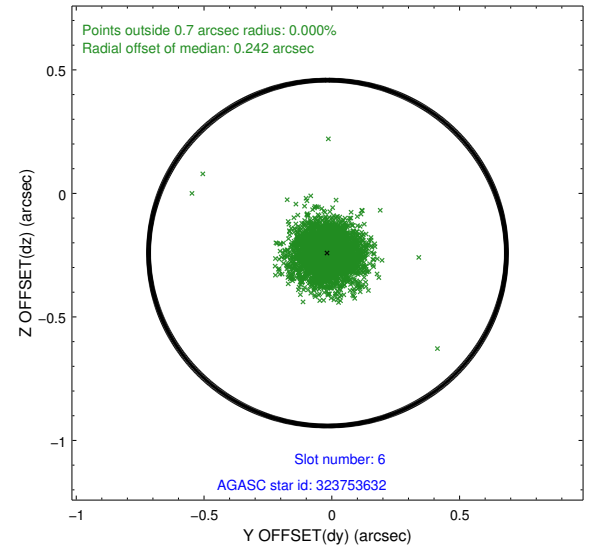
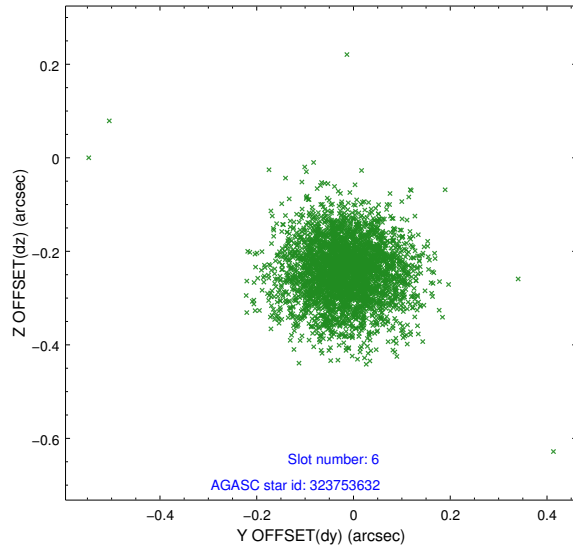
## 2.4.2 Slot 4



### 2.4.3 Slot 5

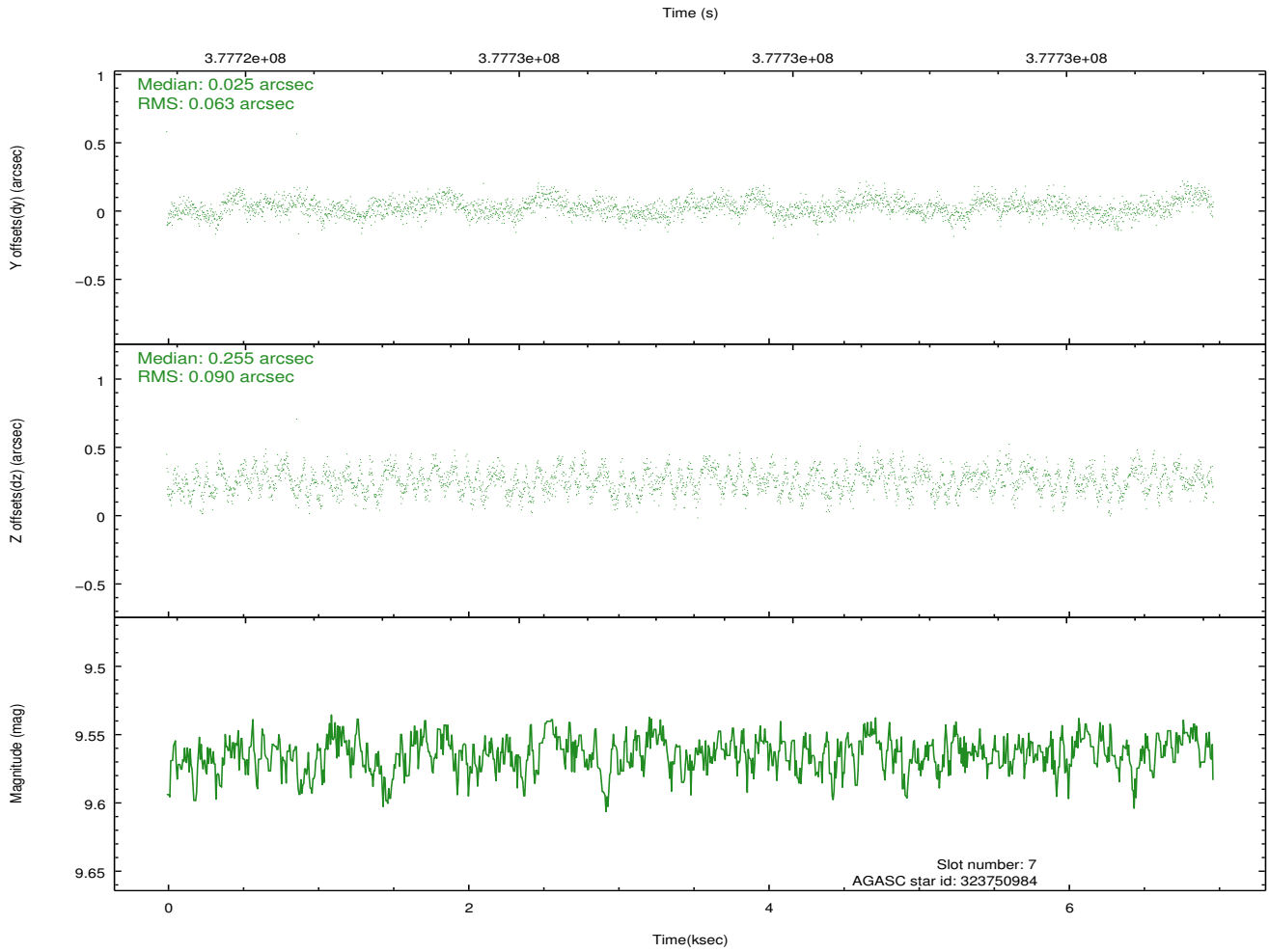
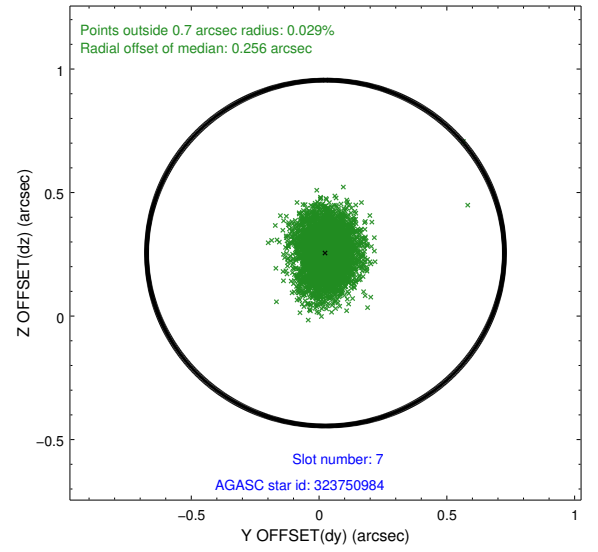
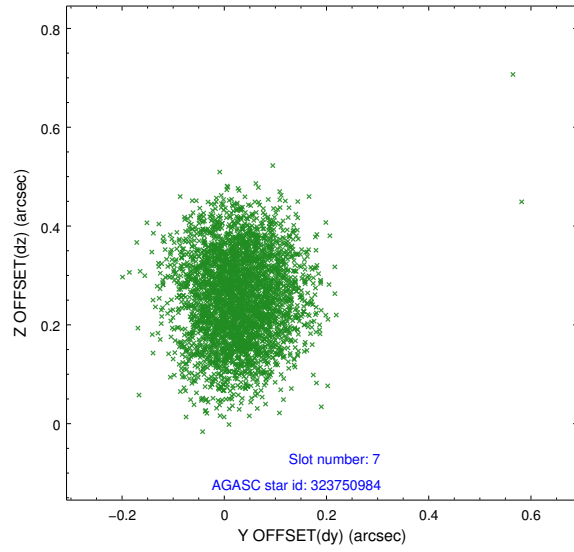


## 2.4.4 Slot 6



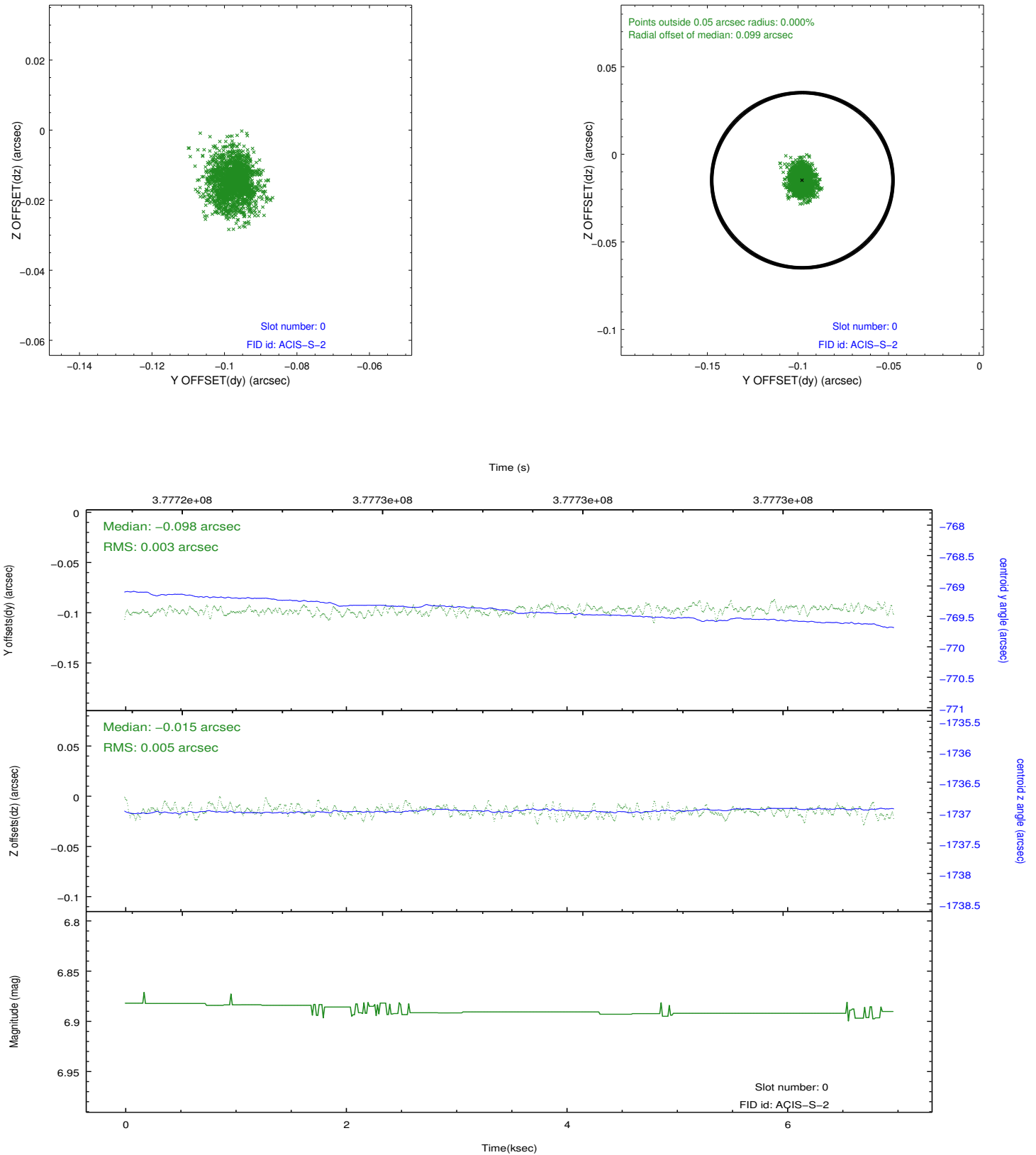


## 2.4.5 Slot 7

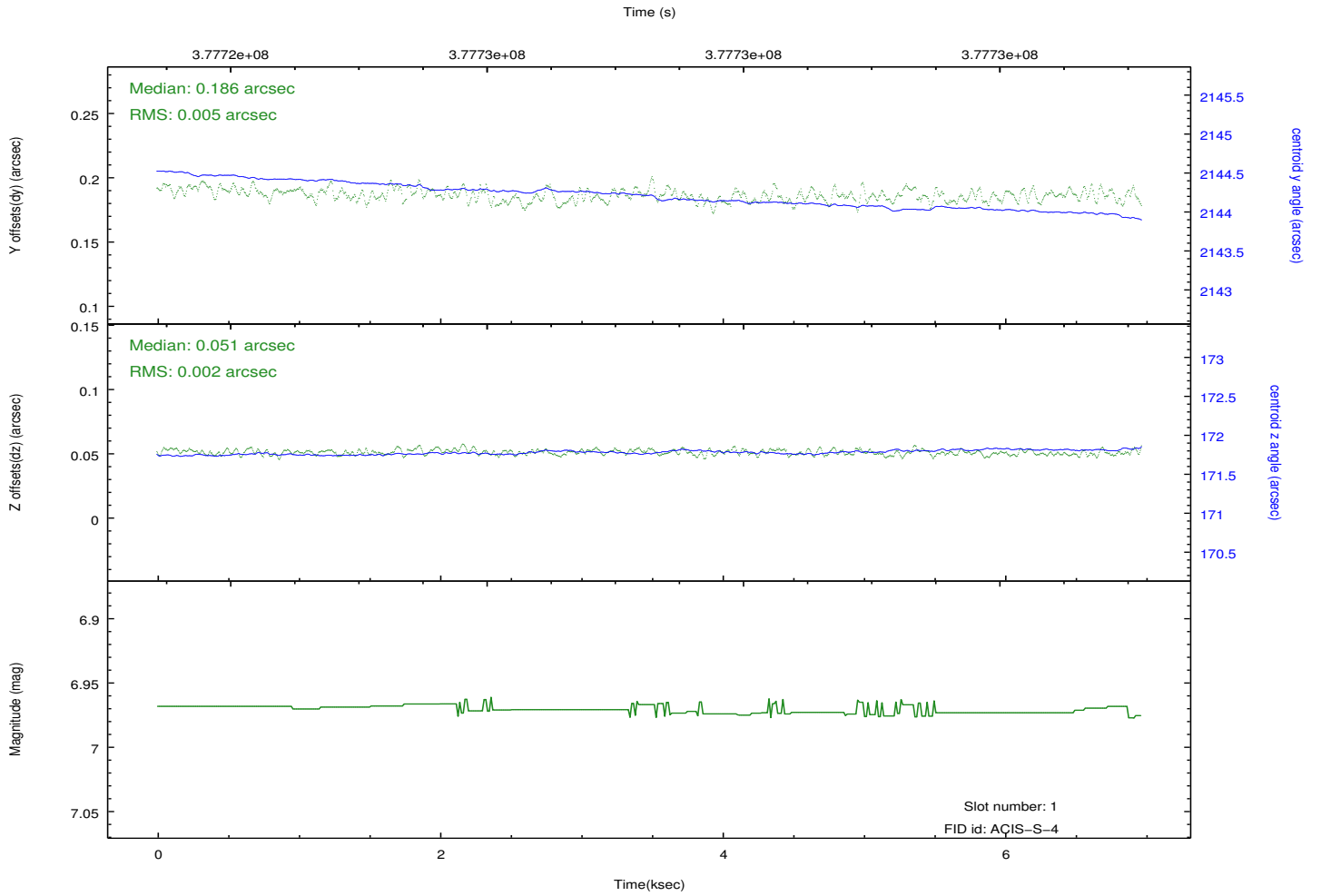
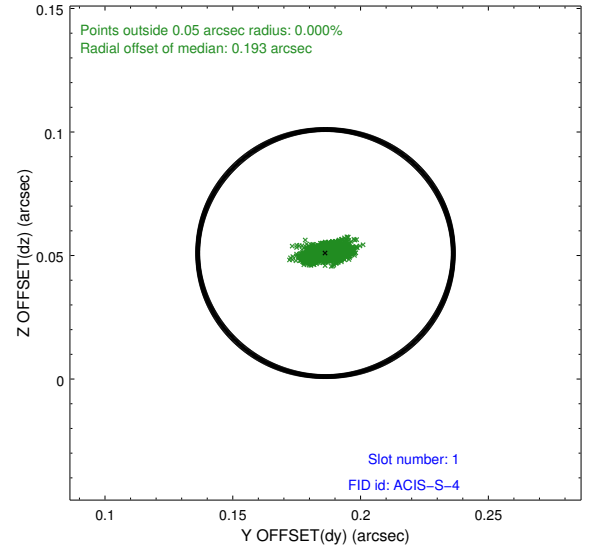
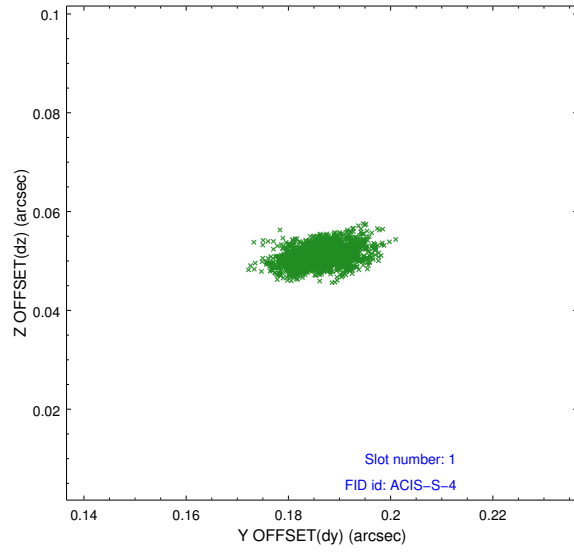


## 2.5 FID Slots

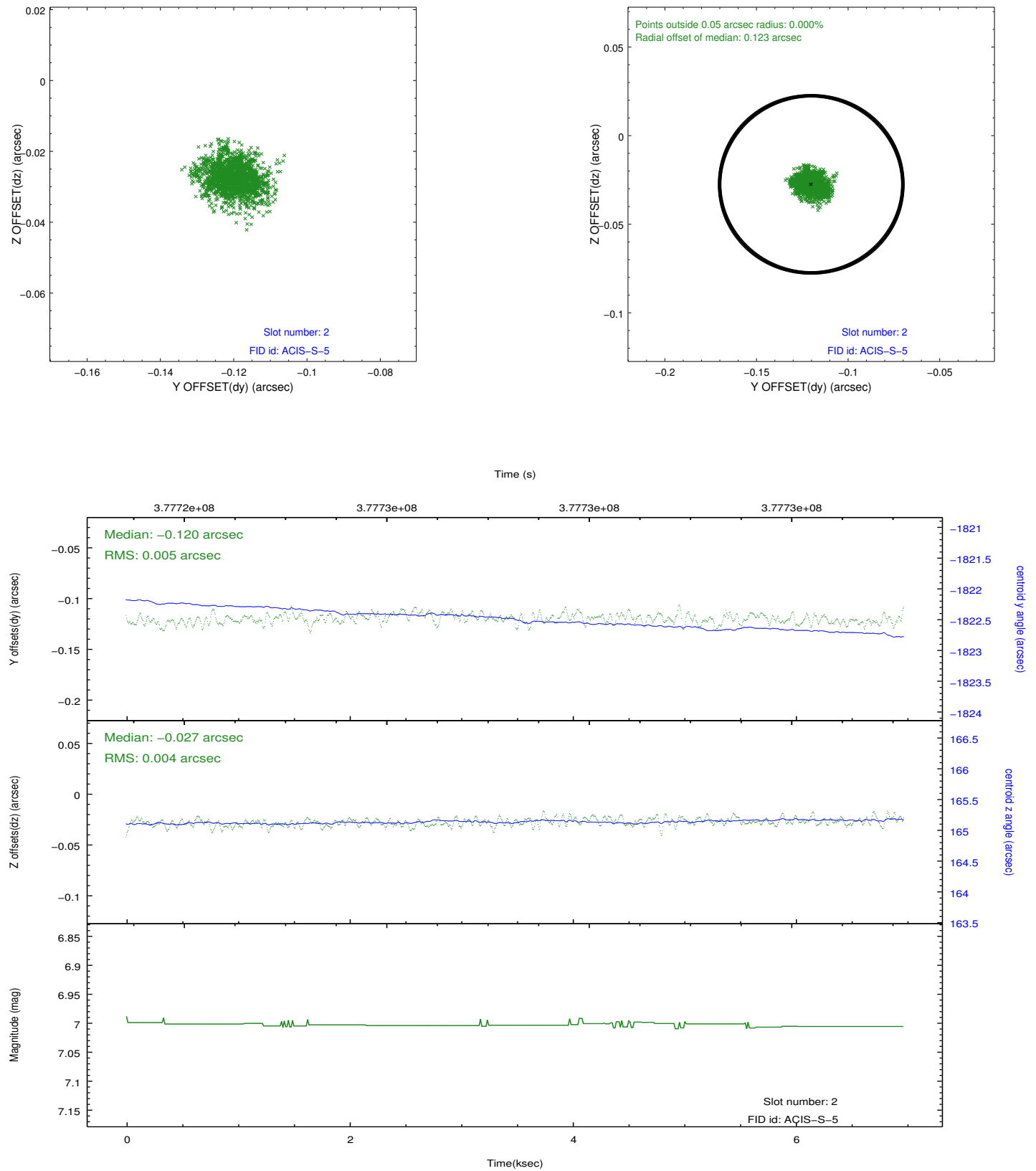
### 2.5.1 Slot 0



## 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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0416721977592

### A.2 Comments