

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14046 - L2 Version 1
Chandra X-Ray Center

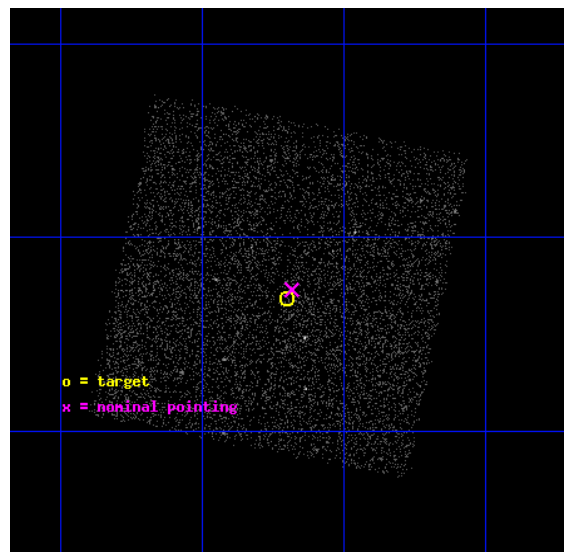
L2 Processing Date : Mar 20 2012

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1 Front

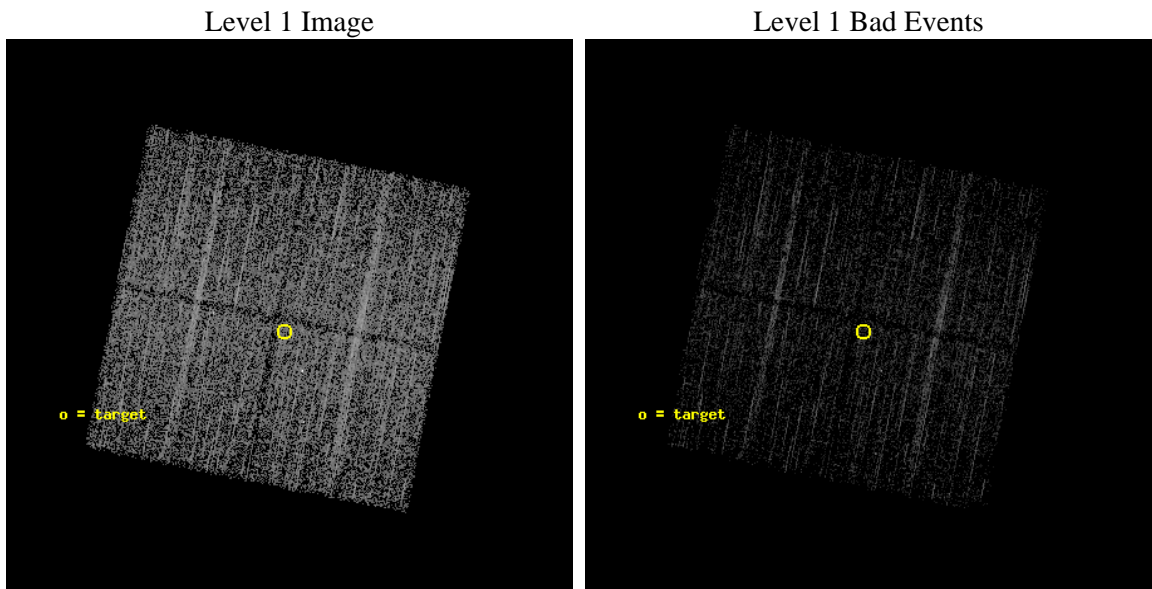
seq_num	901012	Sequence number
obs_id	14046	Observation id
title	BAT, Chandra, NuSTAR and The origin of the Cosmic X-ray Background	
observer	Dr. marco ajello	Principal investigator
object	J1419.2+0756	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.8	Observer's specified target RA [deg]
dec_targ	7.948	Observer's specified target Dec [deg]
ra_nom	214.79599522832	Nominal RA [deg]
dec_nom	7.9550938826224	Nominal Dec [deg]
roll_nom	101.29044688033	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5089.0312771797	Sum of GTIs [s]
livetime	5022.539337053	Livetime [s]
ontime0	5088.9081571698	Sum of GTIs [s]
ontime1	5088.9491971731	Sum of GTIs [s]
ontime2	5088.9902371764	Sum of GTIs [s]
ontime3	5089.0312771797	Sum of GTIs [s]
l2events	11809	Number of level 2 events



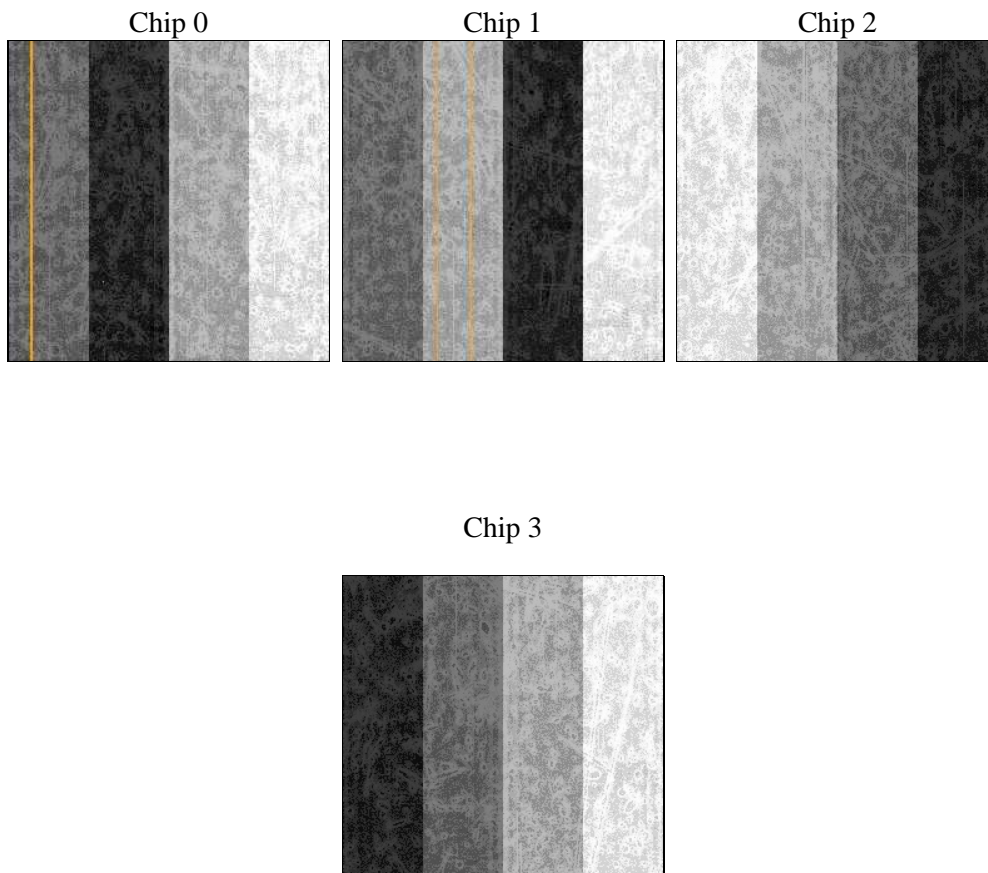
2 OBI

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	8.4.3	Processing system revision	ontime	5089.0312771797	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5088.9081571698	Sum of GTIs [s]
date	2012-03-21T03:13:16	Date and time of file creation	ontime1	5088.9491971731	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5088.9902371764	Sum of GTIs [s]
			ontime3	5089.0312771797	Sum of GTIs [s]
			l1events	110261	Number of level 1 events

2.1.4 Events

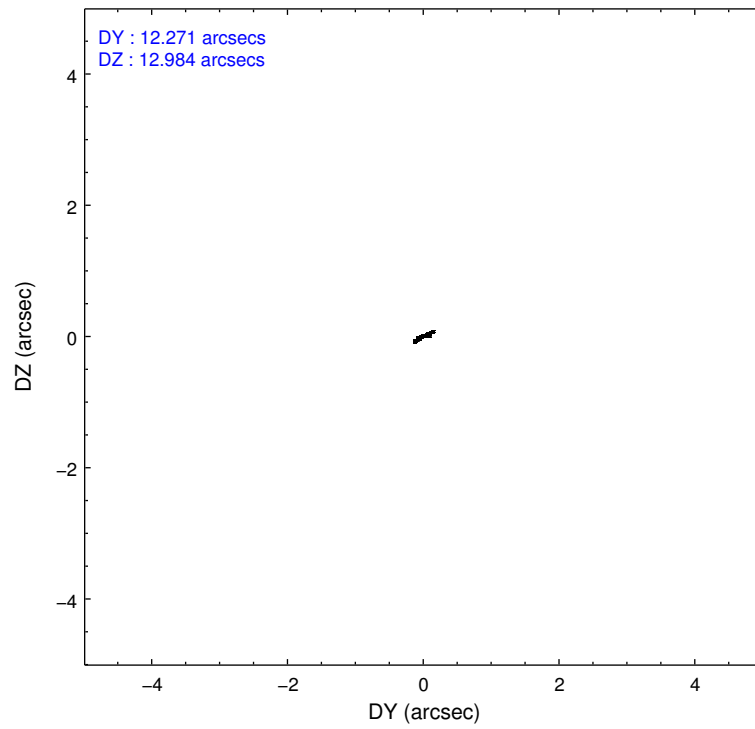
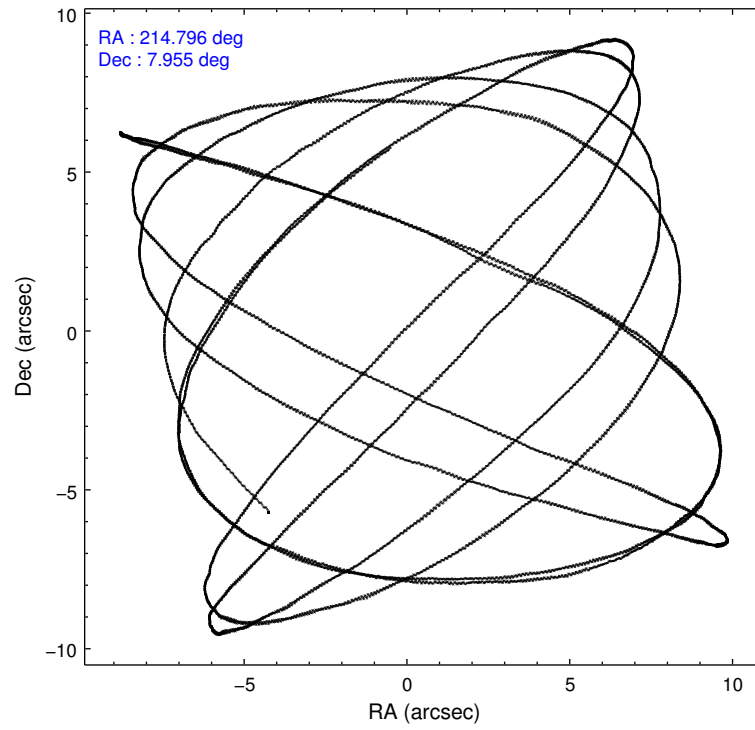
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	26546	26437	28579	28699
rejected events	23332	22792	25352	24936
rejected %	87%	86%	88%	86%

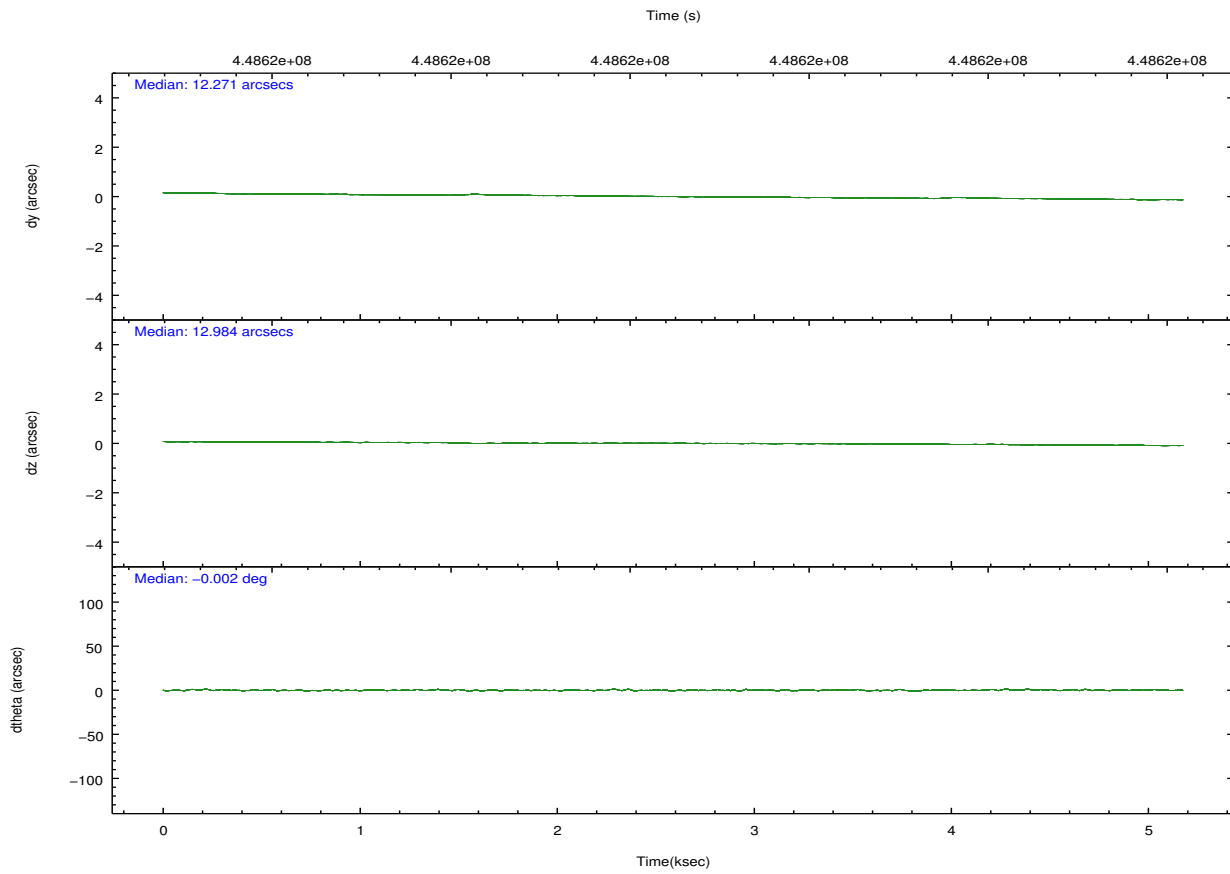
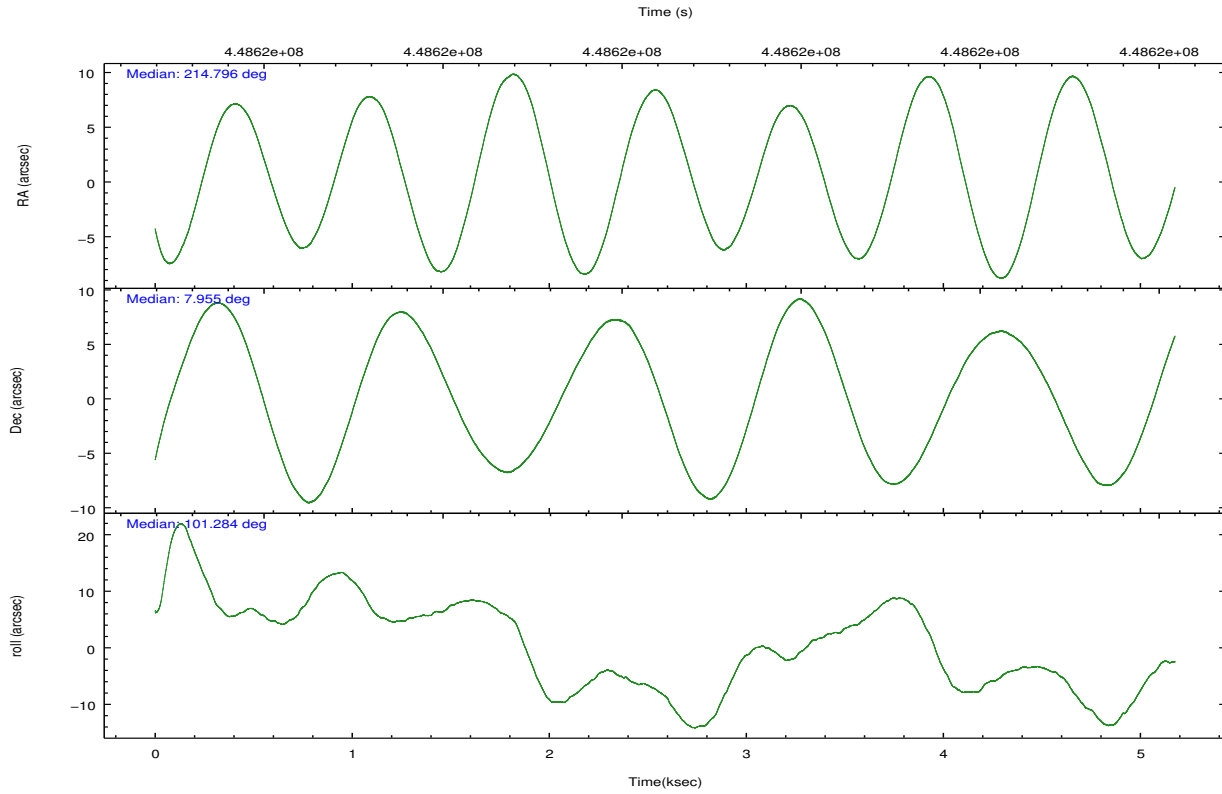
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1128	1378	1268	1570
	4%	5%	4%	5%
grade 1 events	19	6	14	24
	0%	0%	0%	0%
grade 2 events	789	830	700	778
	2%	3%	2%	2%
grade 3 events	362	351	322	363
	1%	1%	1%	1%
grade 4 events	316	378	316	371
	1%	1%	1%	1%
grade 5 events	1291	1256	1245	1406
	4%	4%	4%	4%
grade 6 events	622	711	624	683
	2%	2%	2%	2%
grade 7 events	22019	21527	24090	23504
	82%	81%	84%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	214.814496	214.7959952283227	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.934507	7.955093882622432	Alternating exposures requested	N	N
[deg] Pointing Roll	101.079235	101.2904468803252	[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)	448619824.184000	448618902.3962			
Observation start date	2012-03-20T08:35:58	2012-03-20T08:21:42			
[s] Observation end time (MET)	448624824.184000	448625599.23406			
Observation end date	2012-03-20T09:59:18	2012-03-20T10:13:19			
Read mode	TIMED	TIMED			

2.3 Aspect



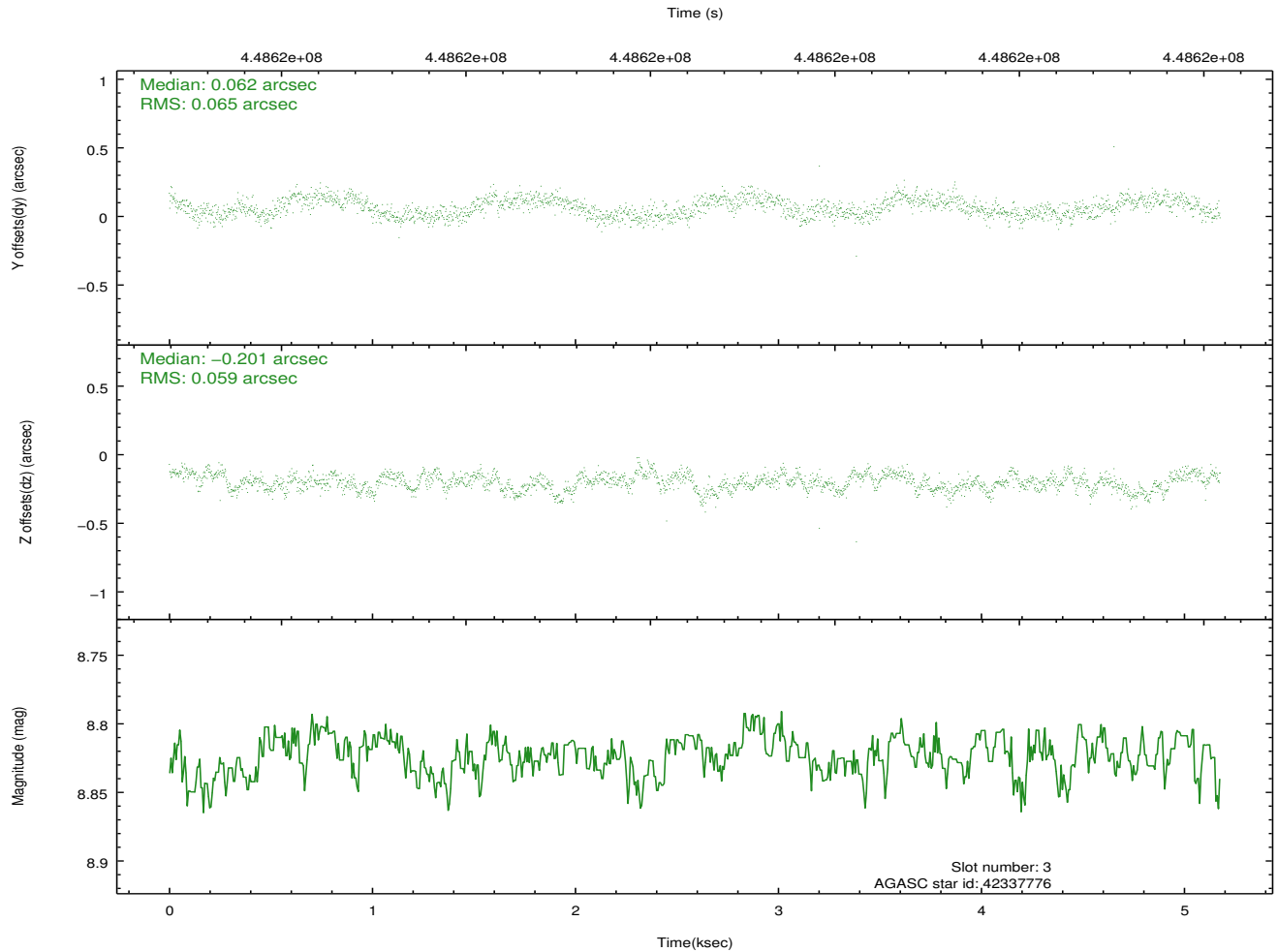
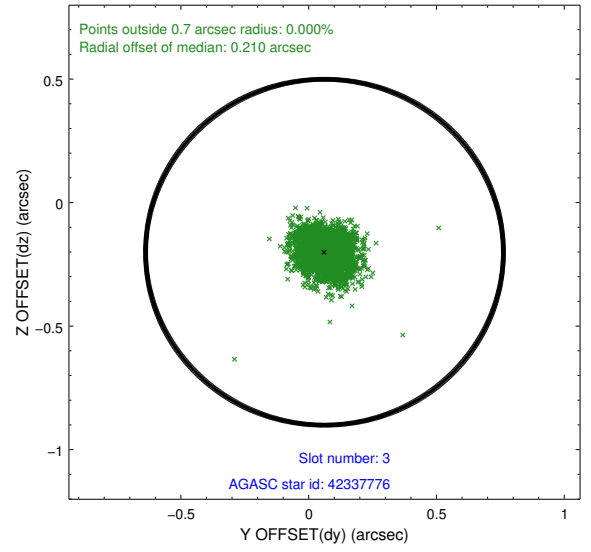
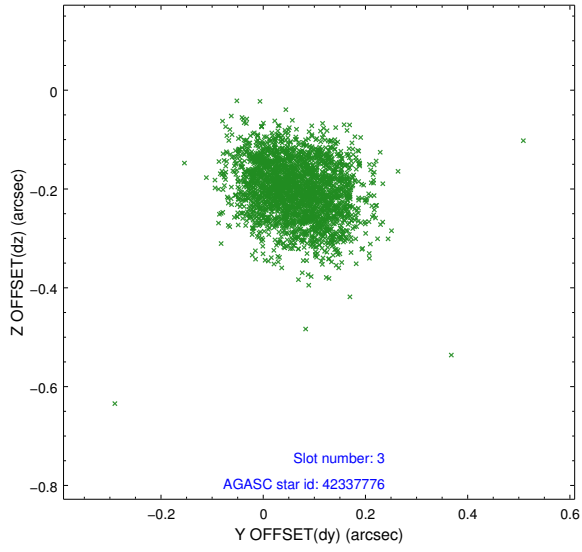


Slot Statistics

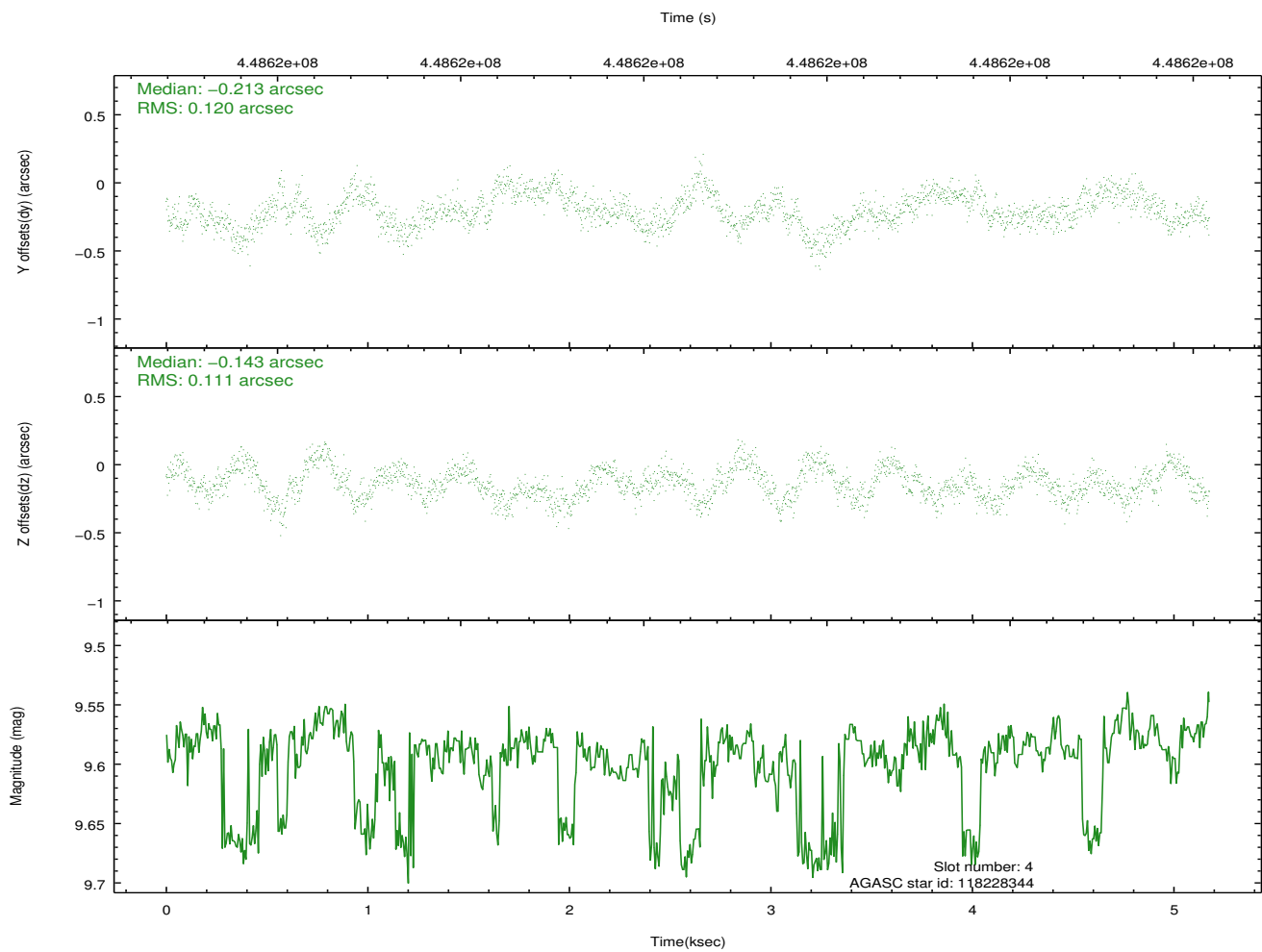
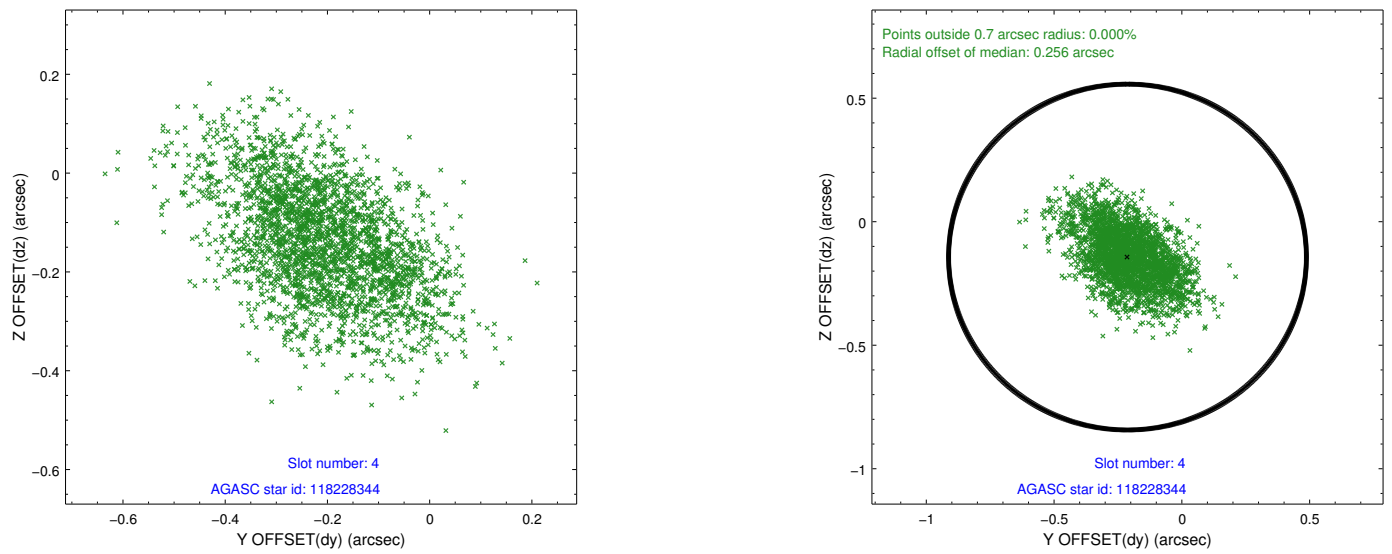
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.17	1263	0.080	-0.031	0.007	0.012	0.000000	0.000000	927.33	-836.56
1	FID	ACIS-I-5	7.16	1263	-0.221	0.082	0.006	0.011	0.000000	0.000000	-1820.42	1060.47
2	FID	ACIS-I-6	7.17	1263	0.050	0.019	0.006	0.012	0.000000	0.000000	391.59	1706.22
3	GUIDE	42337776	8.82	2526	0.062	-0.201	0.093	0.145	214.782884	7.378990	-1941.16	494.85
4	GUIDE	118228344	9.59	2506	-0.213	-0.143	0.173	0.288	214.140992	8.424095	2191.77	2015.43
5	GUIDE	119146840	9.31	2523	-0.005	0.384	0.141	0.235	214.909401	7.618244	-1181.35	-112.65
6	GUIDE	119146944	9.83	2513	-0.099	-0.229	0.284	0.410	214.768212	8.088129	574.12	55.43
7	GUIDE	119155448	9.96	2522	0.255	0.177	0.178	0.287	215.360835	7.551608	-1725.56	-1648.49

2.4 Star Slots

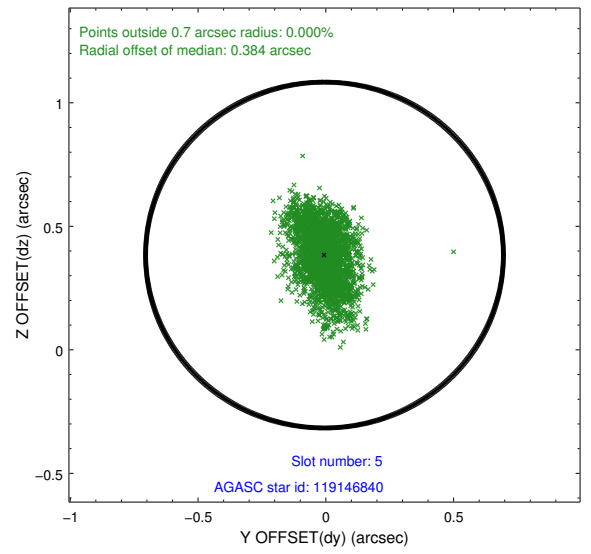
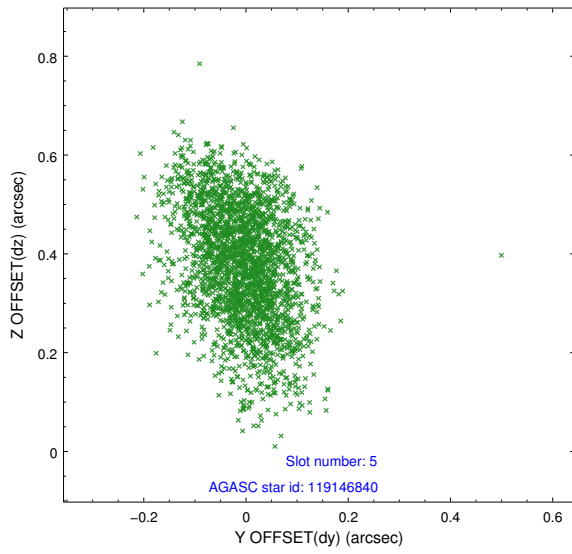
2.4.1 Slot 3



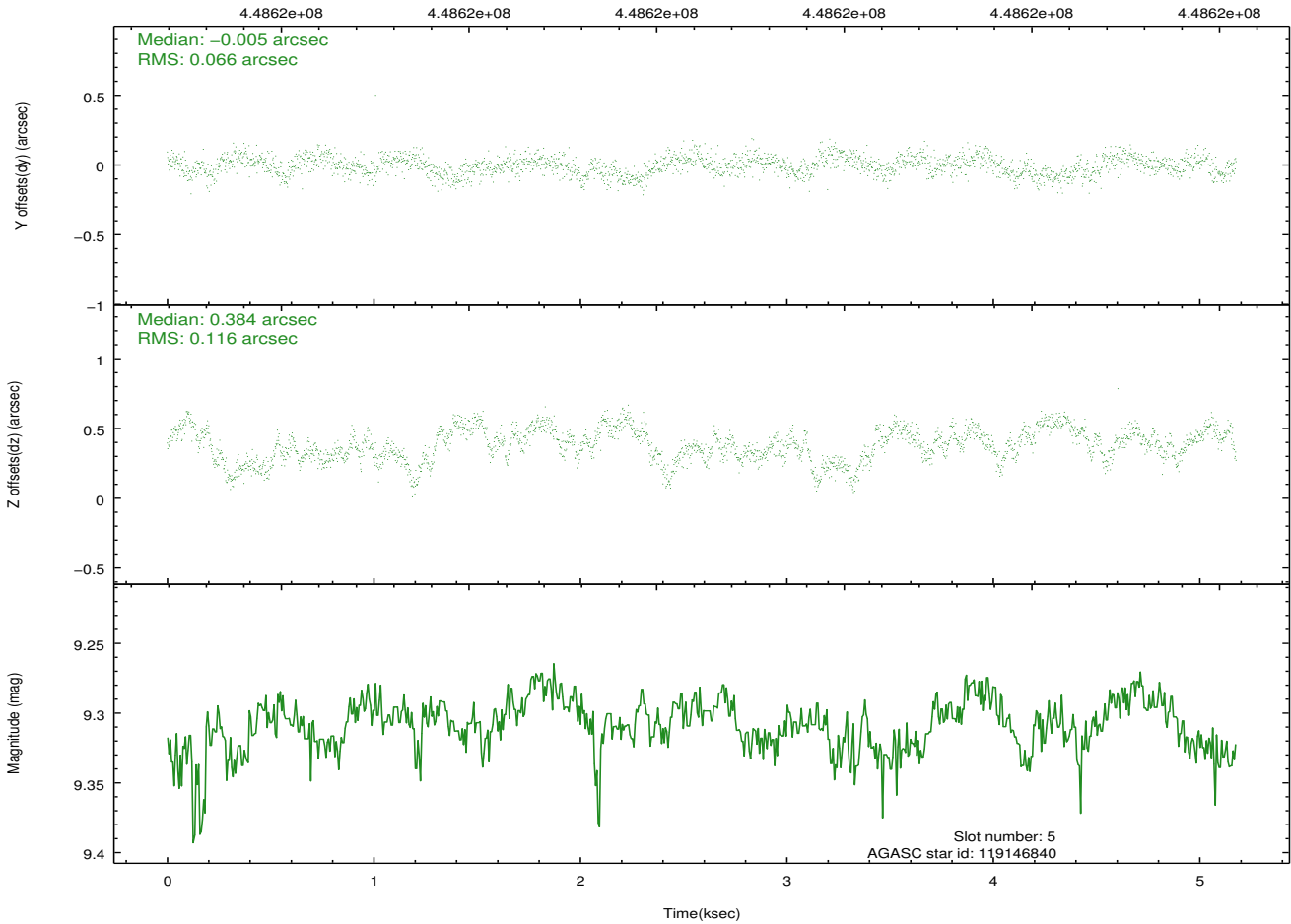
2.4.2 Slot 4



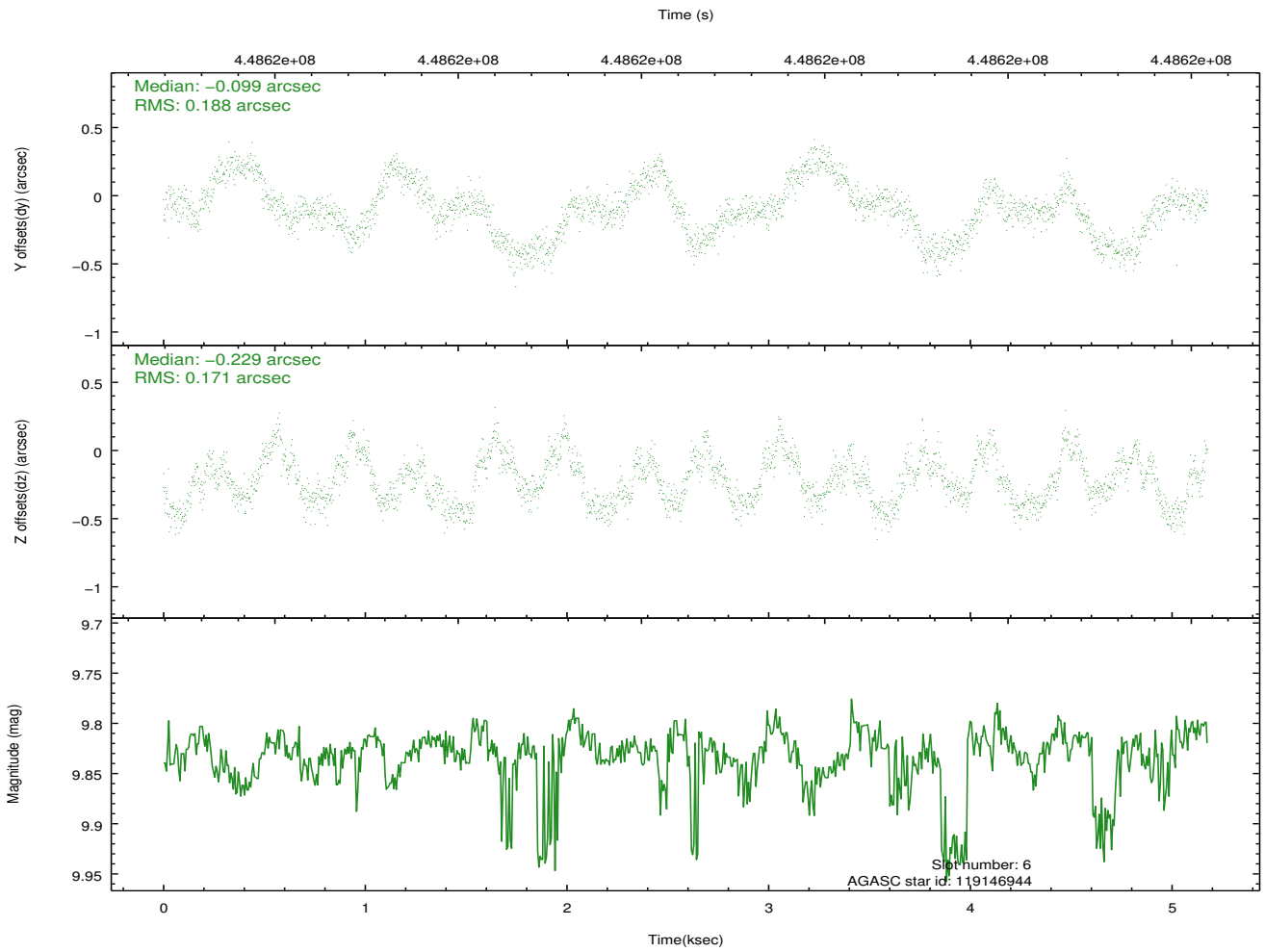
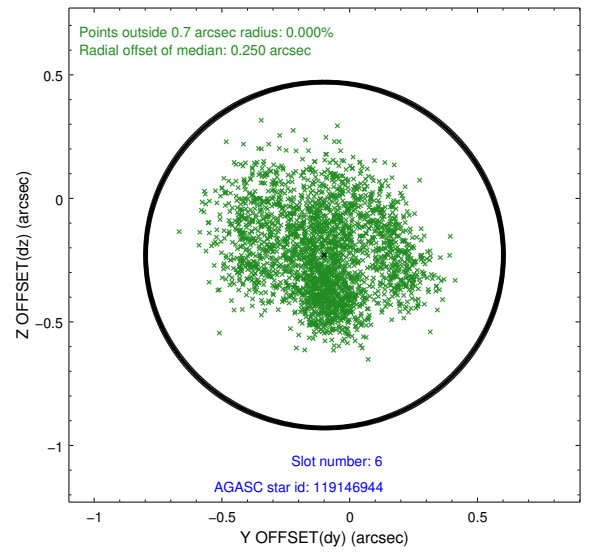
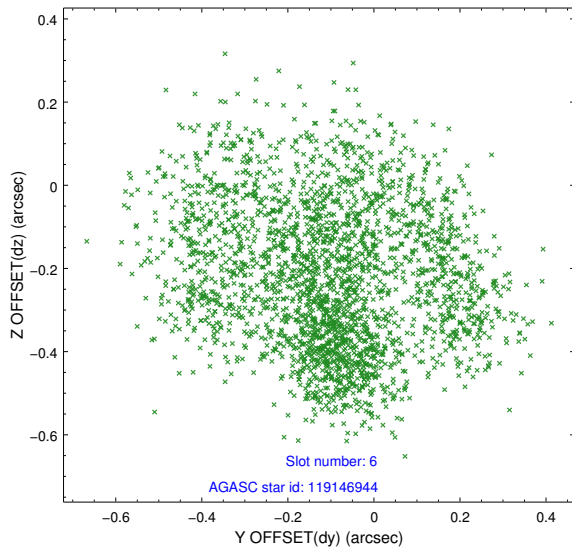
2.4.3 Slot 5



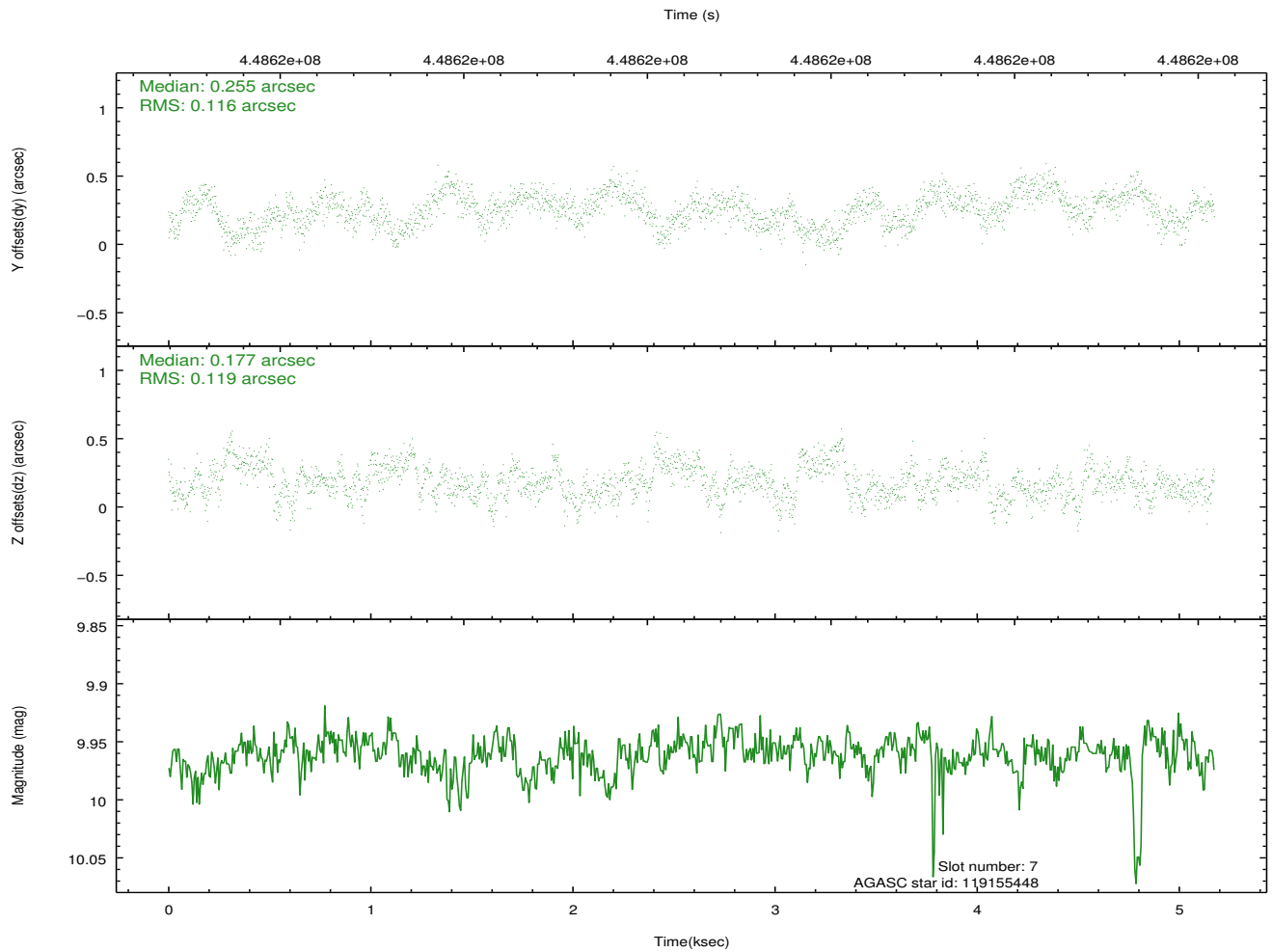
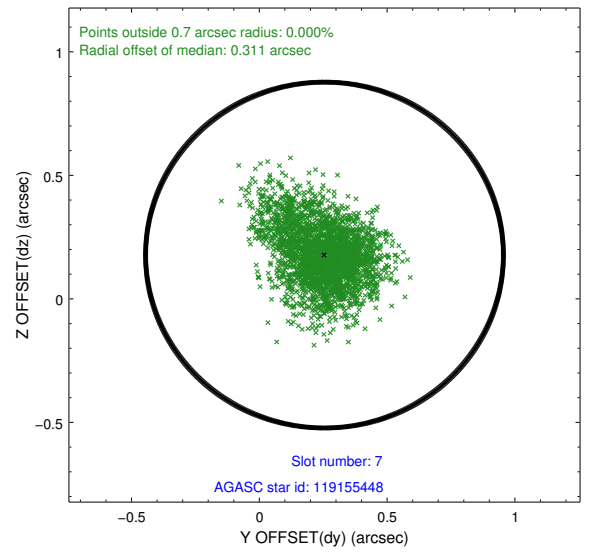
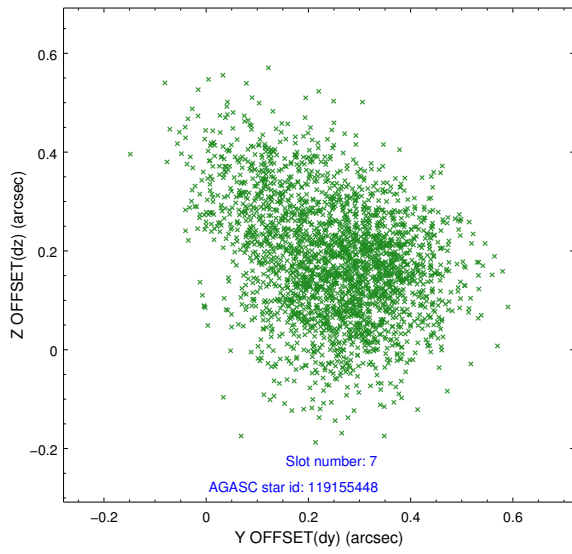
Time (s)



2.4.4 Slot 6

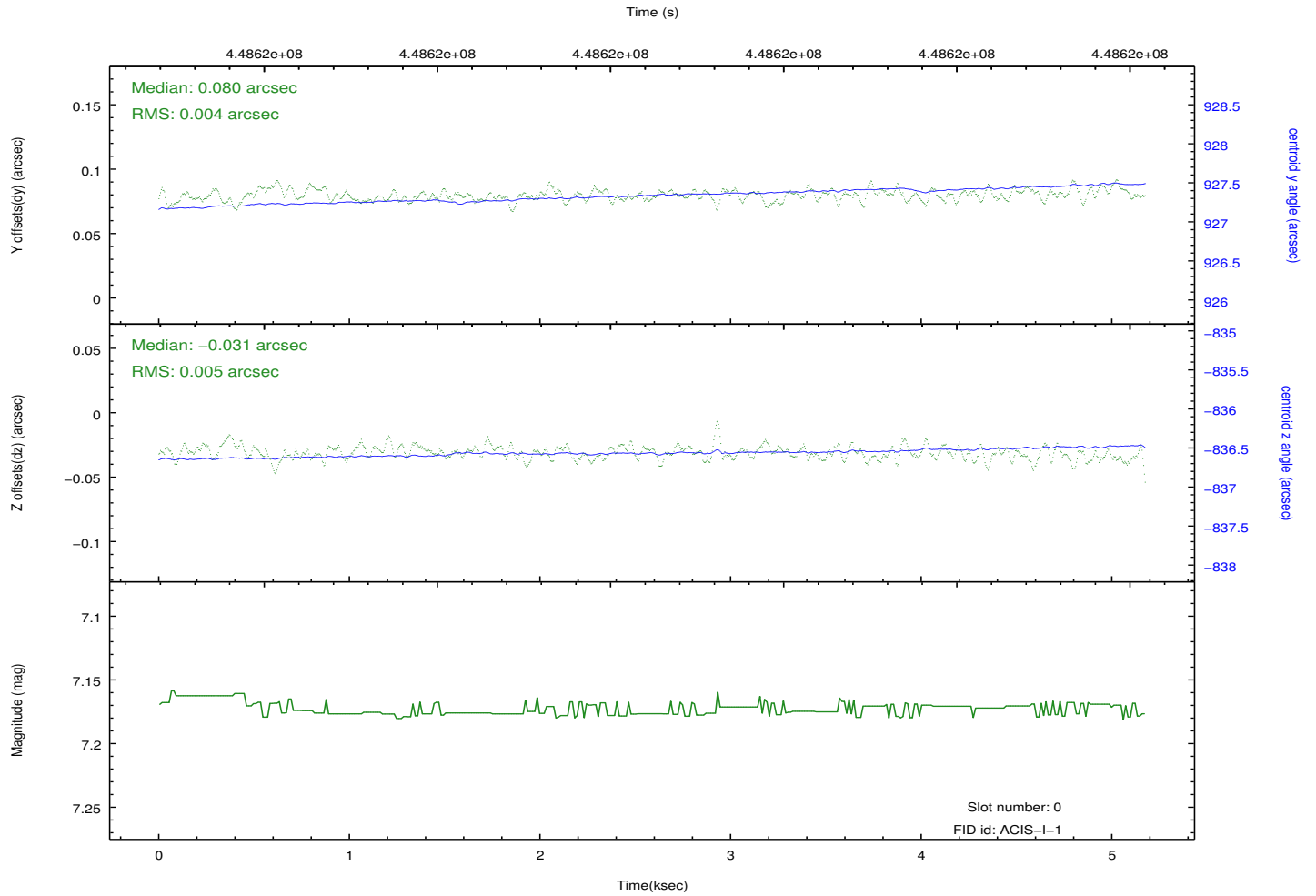
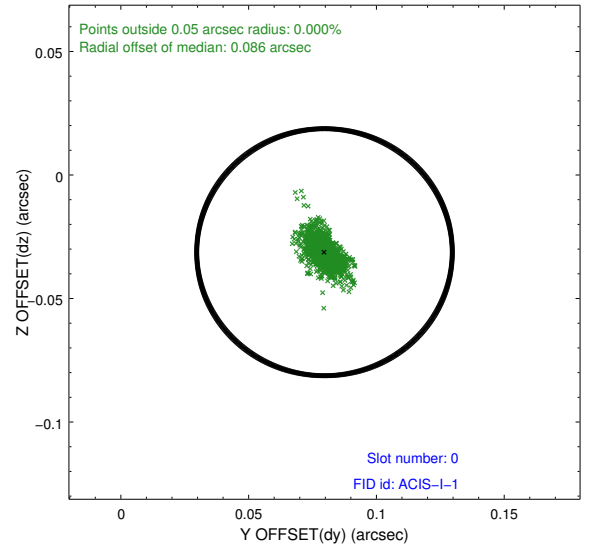
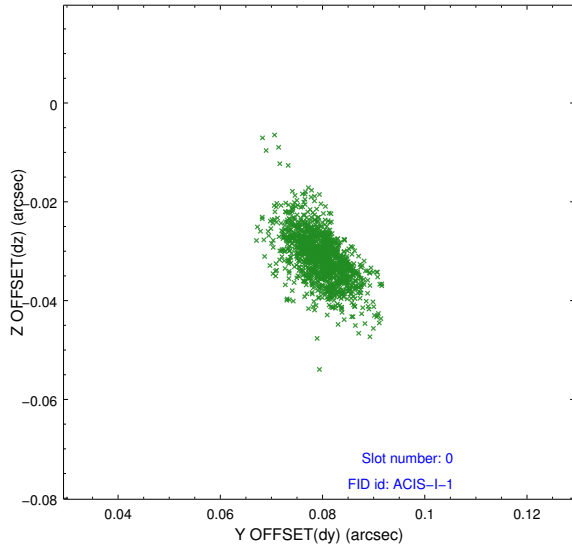


2.4.5 Slot 7

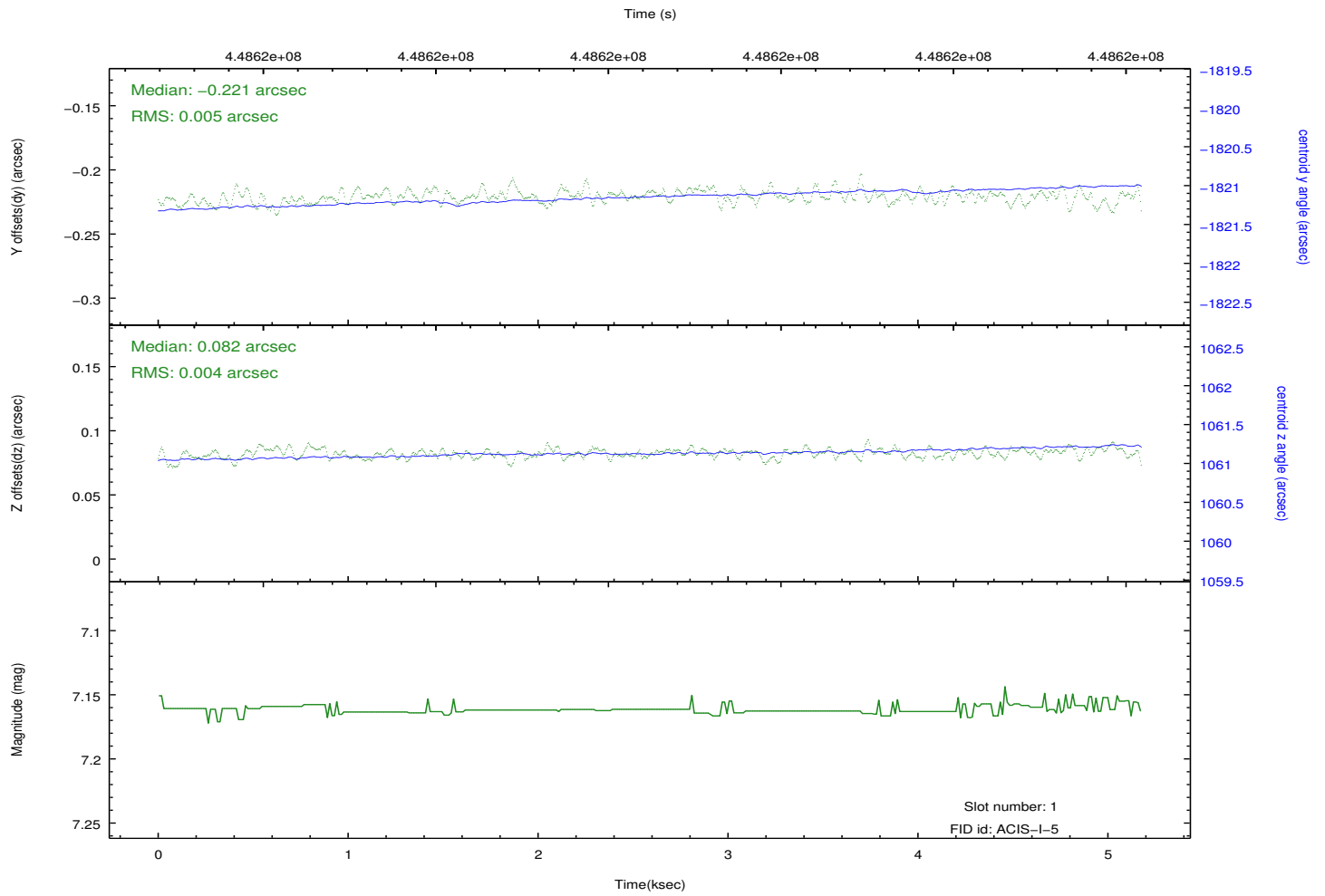
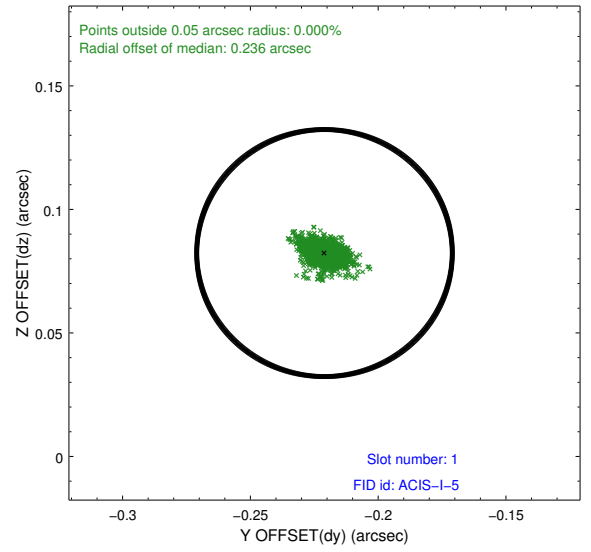
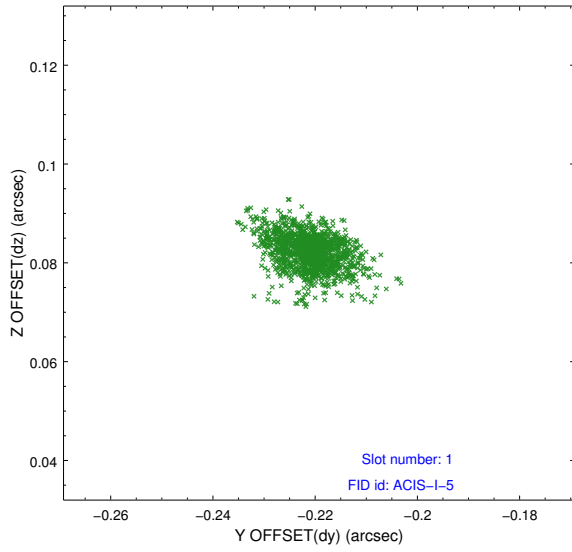


2.5 FID Slots

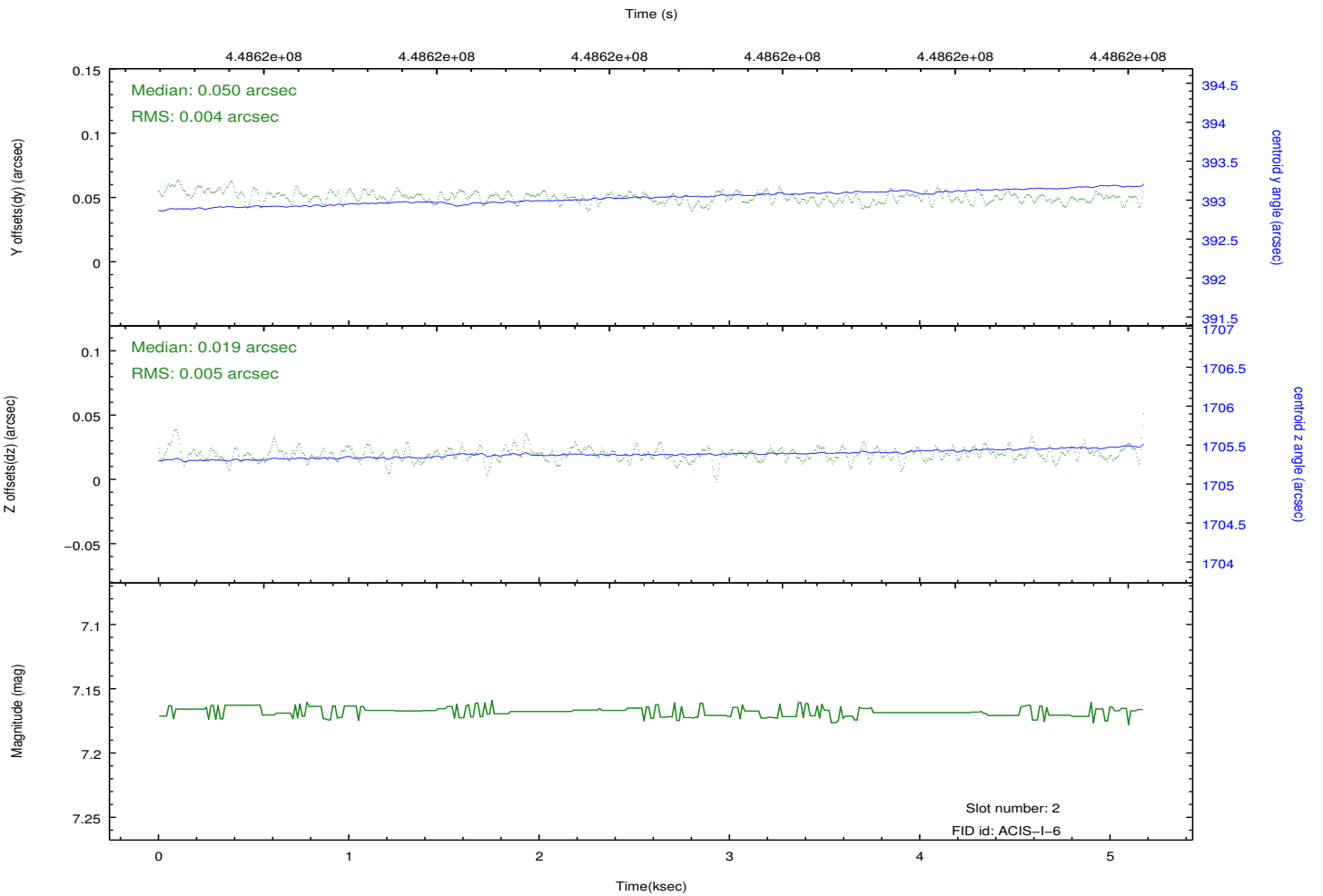
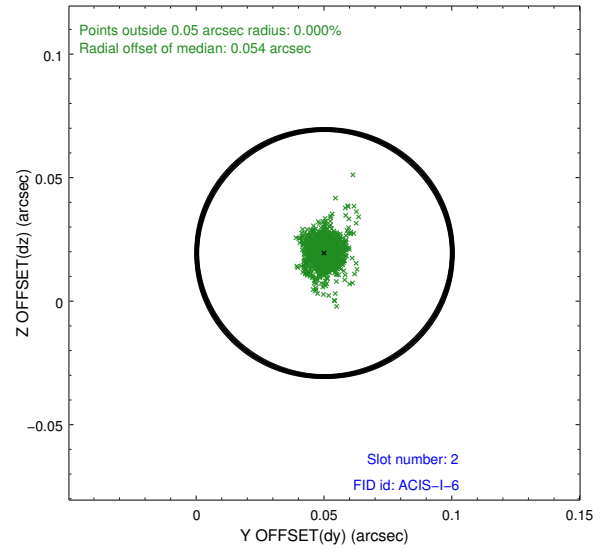
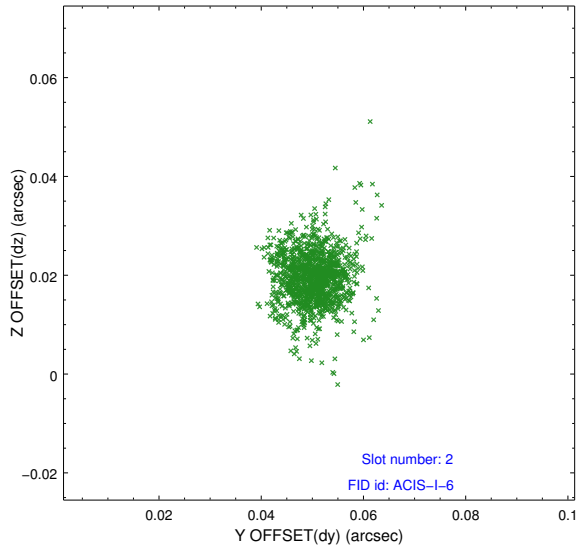
2.5.1 Slot 0



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)	2012.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0890312771797

A.2 Comments