

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7716 - L2 Version 3
Chandra X-Ray Center

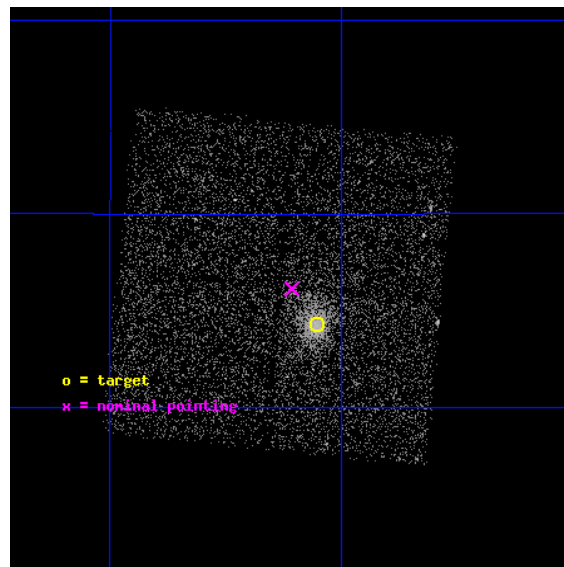
L2 Processing Date : Apr 15 2012

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1 Front

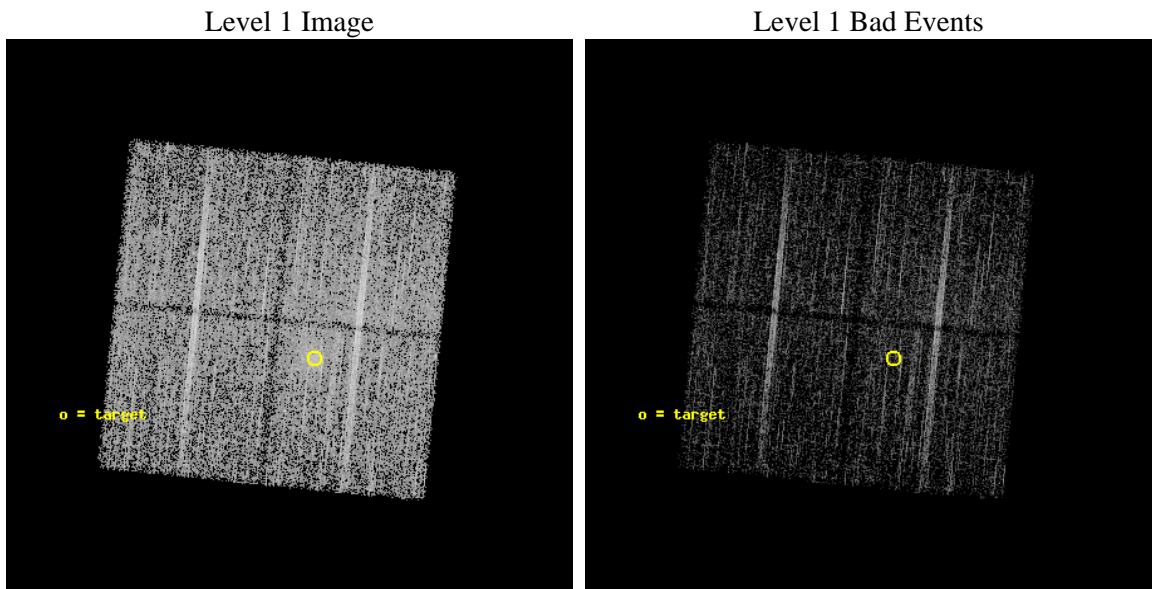
seq_num	701384	Sequence number
obs_id	7716	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	ZWCL1953	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.52625	Observer's specified target RA [deg]
dec_targ	36.072222	Observer's specified target Dec [deg]
ra_nom	132.55374387371	Nominal RA [deg]
dec_nom	36.102260424432	Nominal Dec [deg]
roll_nom	95.740191029289	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7080.4000544548	Sum of GTIs [s]
livetime	6987.8894152287	Livetime [s]
ontime0	7080.4000544548	Sum of GTIs [s]
ontime1	7077.2590740919	Sum of GTIs [s]
ontime2	7080.4000544548	Sum of GTIs [s]
ontime3	7080.4000544548	Sum of GTIs [s]
l2events	13846	Number of level 2 events



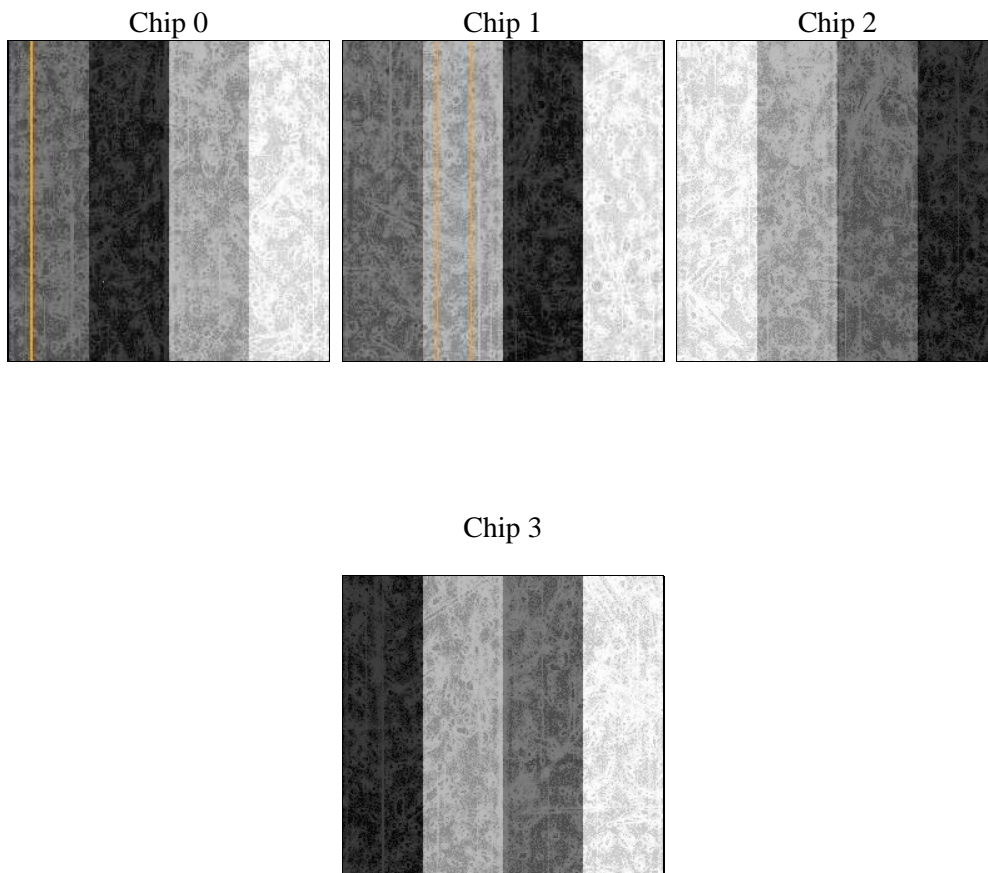
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	7080.4000544548	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	7080.4000544548	Sum of GTIs [s]
date	2012-04-15T15:31:29	Date and time of file creation	ontime1	7077.2590740919	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7080.4000544548	Sum of GTIs [s]
			ontime3	7080.4000544548	Sum of GTIs [s]
			l1events	166317	Number of level 1 events

2.1.4 Events

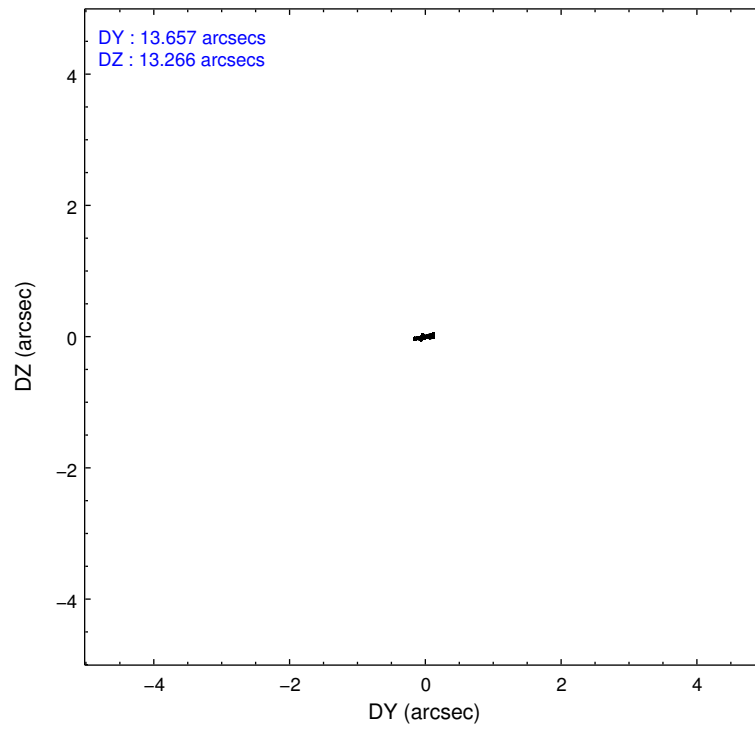
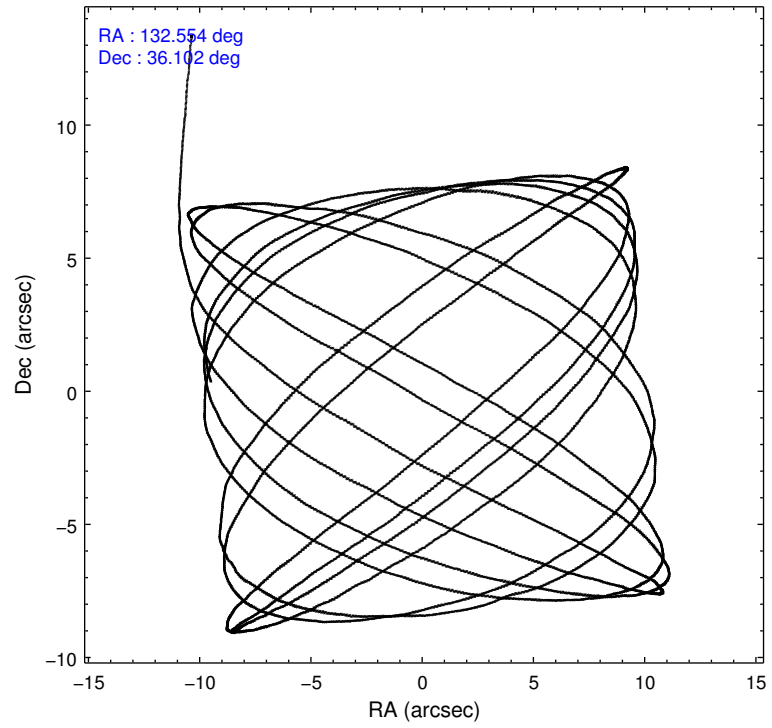
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	39216	37499	45411	44191
rejected events	35520	33551	41727	38461
rejected %	90%	89%	91%	87%

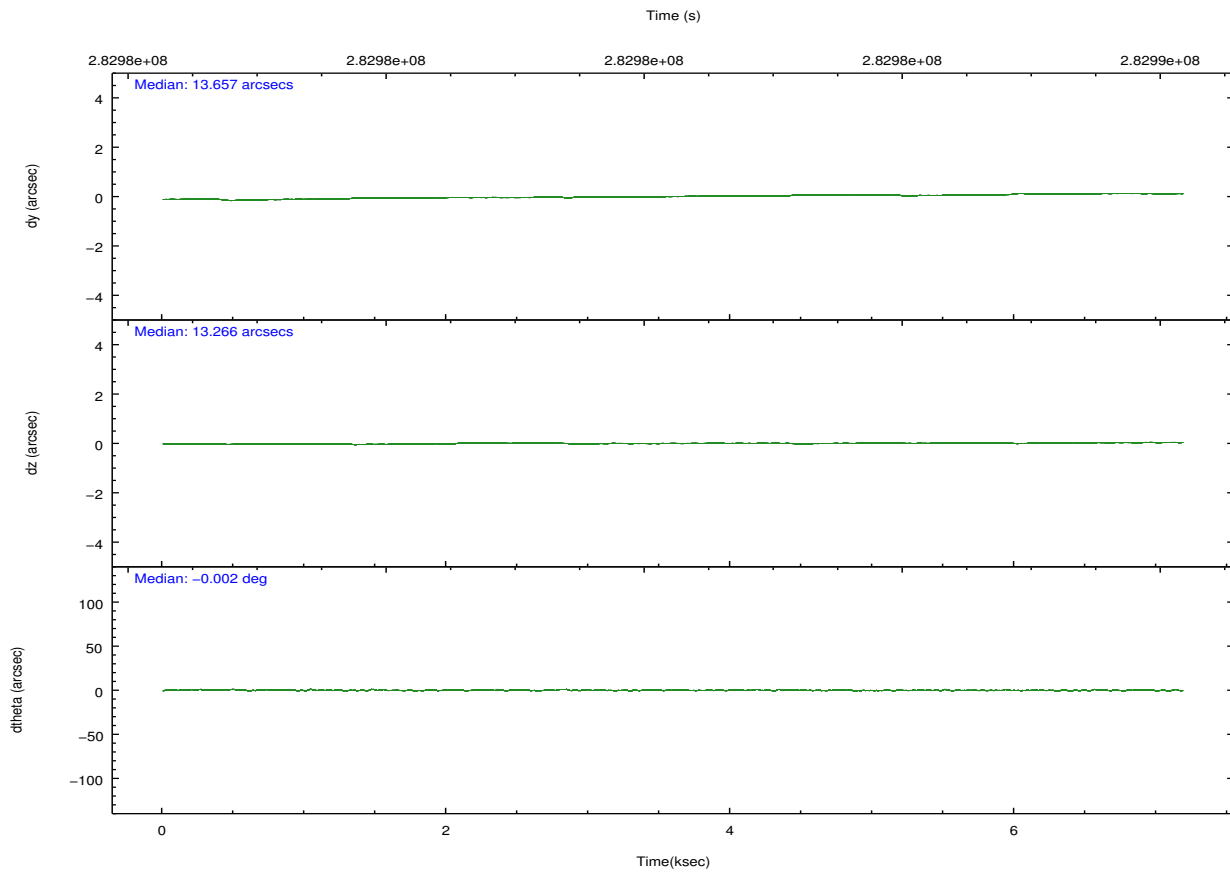
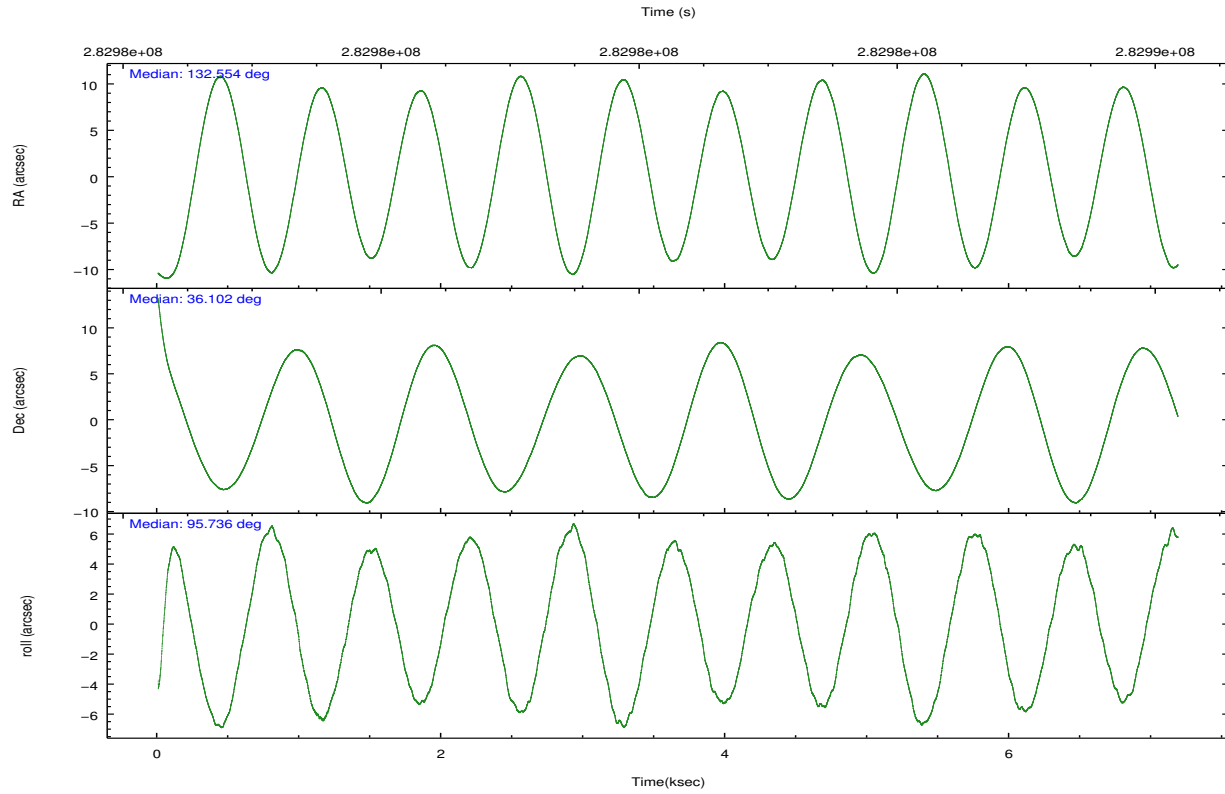
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1474	1474	1625	3249
	3%	3%	3%	7%
grade 1 events	22	15	25	31
	0%	0%	0%	0%
grade 2 events	904	879	836	936
	2%	2%	1%	2%
grade 3 events	412	502	362	522
	1%	1%	0%	1%
grade 4 events	389	462	372	449
	0%	1%	0%	1%
grade 5 events	647	783	688	857
	1%	2%	1%	1%
grade 6 events	519	635	490	578
	1%	1%	1%	1%
grade 7 events	34849	32749	41013	37569
	88%	87%	90%	85%

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	132.573798	132.5537438737066	Subarray requested	NONE	NONE
[deg] Pointing Dec	36.079959	36.10226042443218	Alternating exposures requested	N	N
[deg] Pointing Roll	95.519703	95.74019102928862	[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)	282978817.184000	282977929.86934			
Observation start date	2006-12-20T05:12:32	2006-12-20T04:58:49			
[s] Observation end time (MET)	282985817.184000	282986723.85726			
Observation end date	2006-12-20T07:09:12	2006-12-20T07:25:23			
Read mode	TIMED	TIMED			

2.3 Aspect



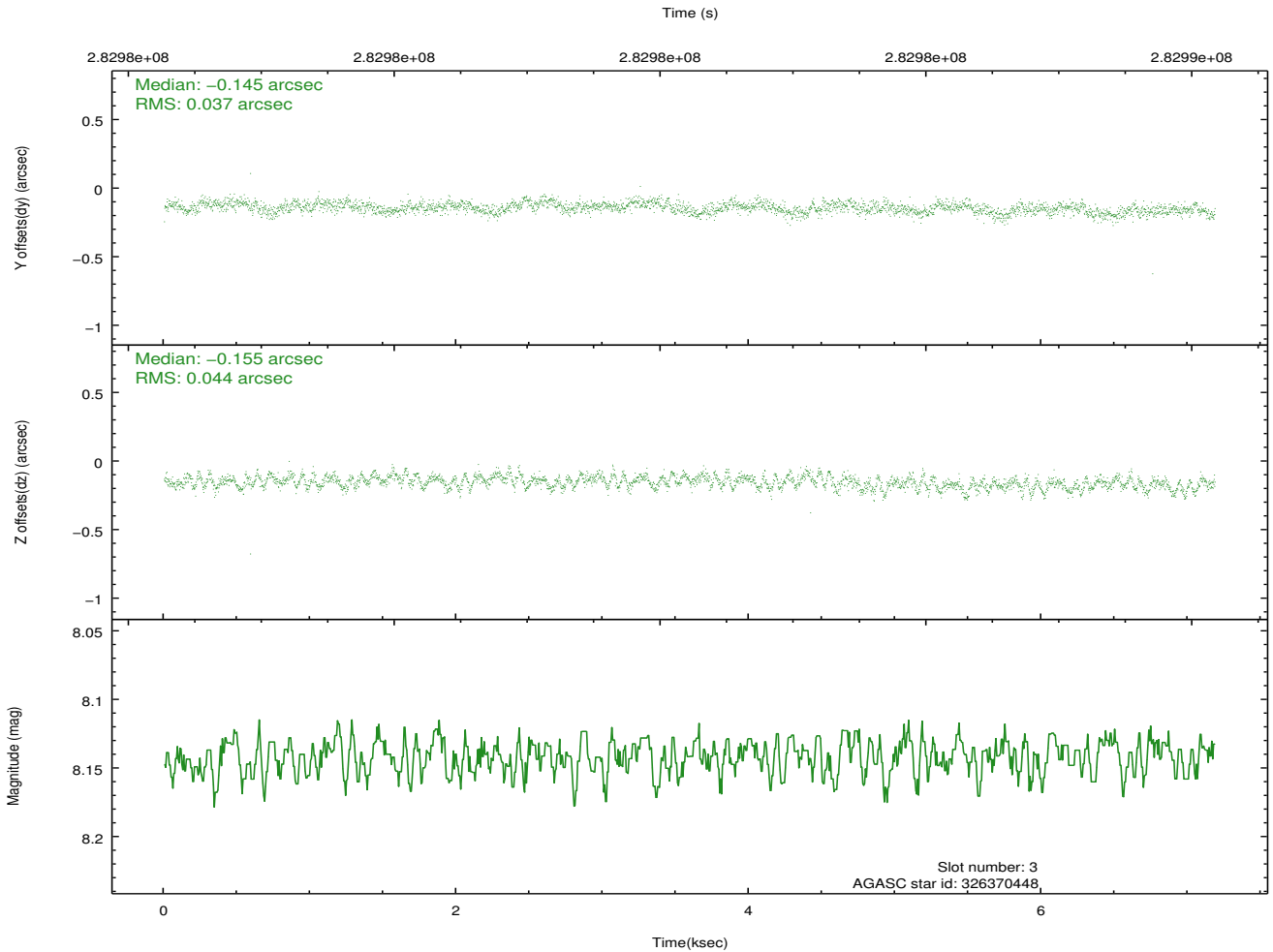
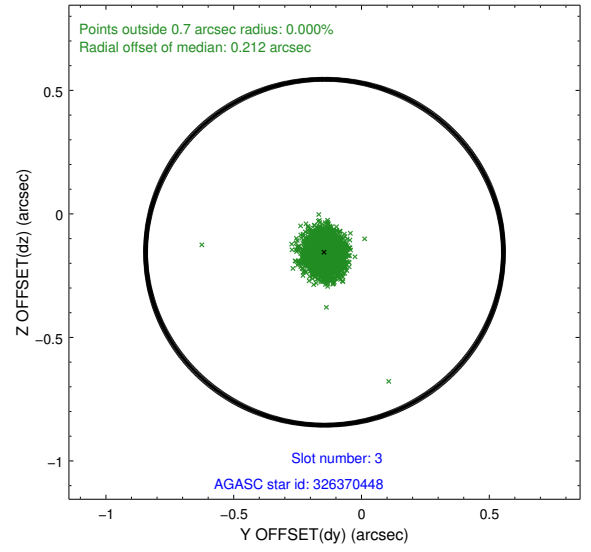
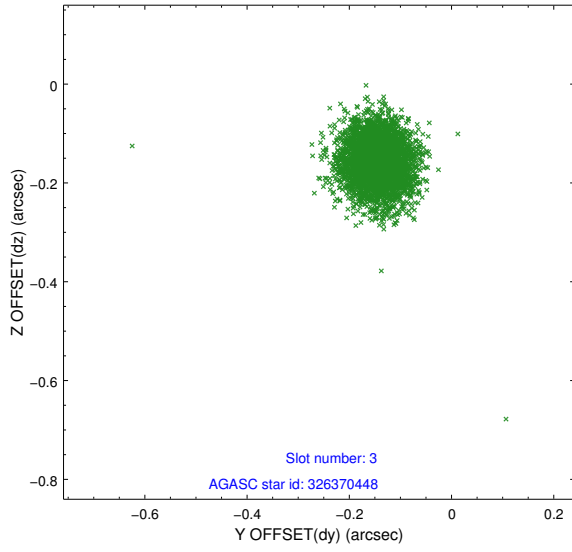


Slot Statistics

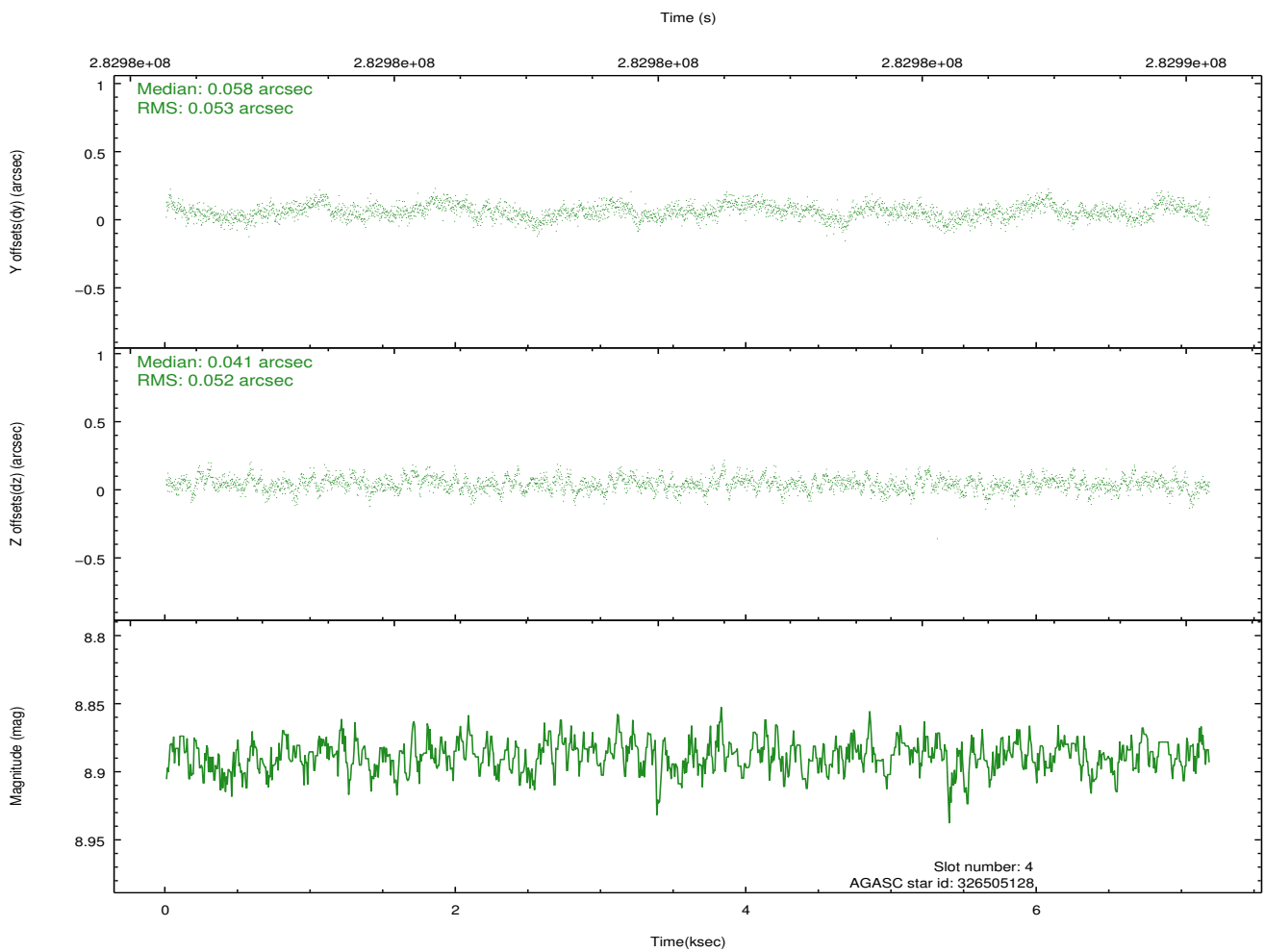
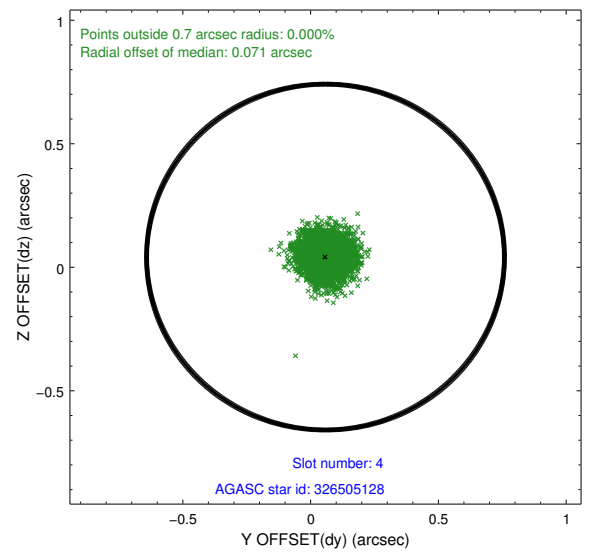
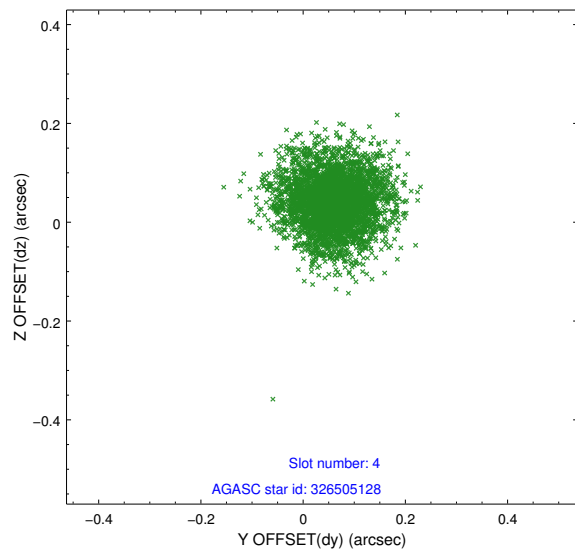
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1752	0.061	-0.009	0.011	0.020	0.000000	0.000000	925.90	-836.83
1	FID	ACIS-I-5	7.23	1752	-0.243	0.059	0.010	0.017	0.000000	0.000000	-1822.07	1060.34
2	FID	ACIS-I-6	7.24	1752	0.091	0.019	0.009	0.015	0.000000	0.000000	390.61	1705.70
3	GUIDE	326370448	8.14	3505	-0.145	-0.155	0.061	0.099	131.848080	36.456421	1558.70	1960.35
4	GUIDE	326505128	8.89	3504	0.058	0.041	0.079	0.128	132.632760	36.107186	81.49	-179.51
5	GUIDE	326506672	7.81	3503	-0.033	0.069	0.055	0.087	133.078821	36.266205	530.29	-1523.99
6	GUIDE	326506056	7.88	3505	0.199	0.030	0.056	0.089	133.086548	35.461076	-2358.10	-1283.08
7	GUIDE	326506192	6.57	3504	-0.080	0.010	0.070	0.114	133.482010	35.538290	-2185.35	-2462.33

2.4 Star Slots

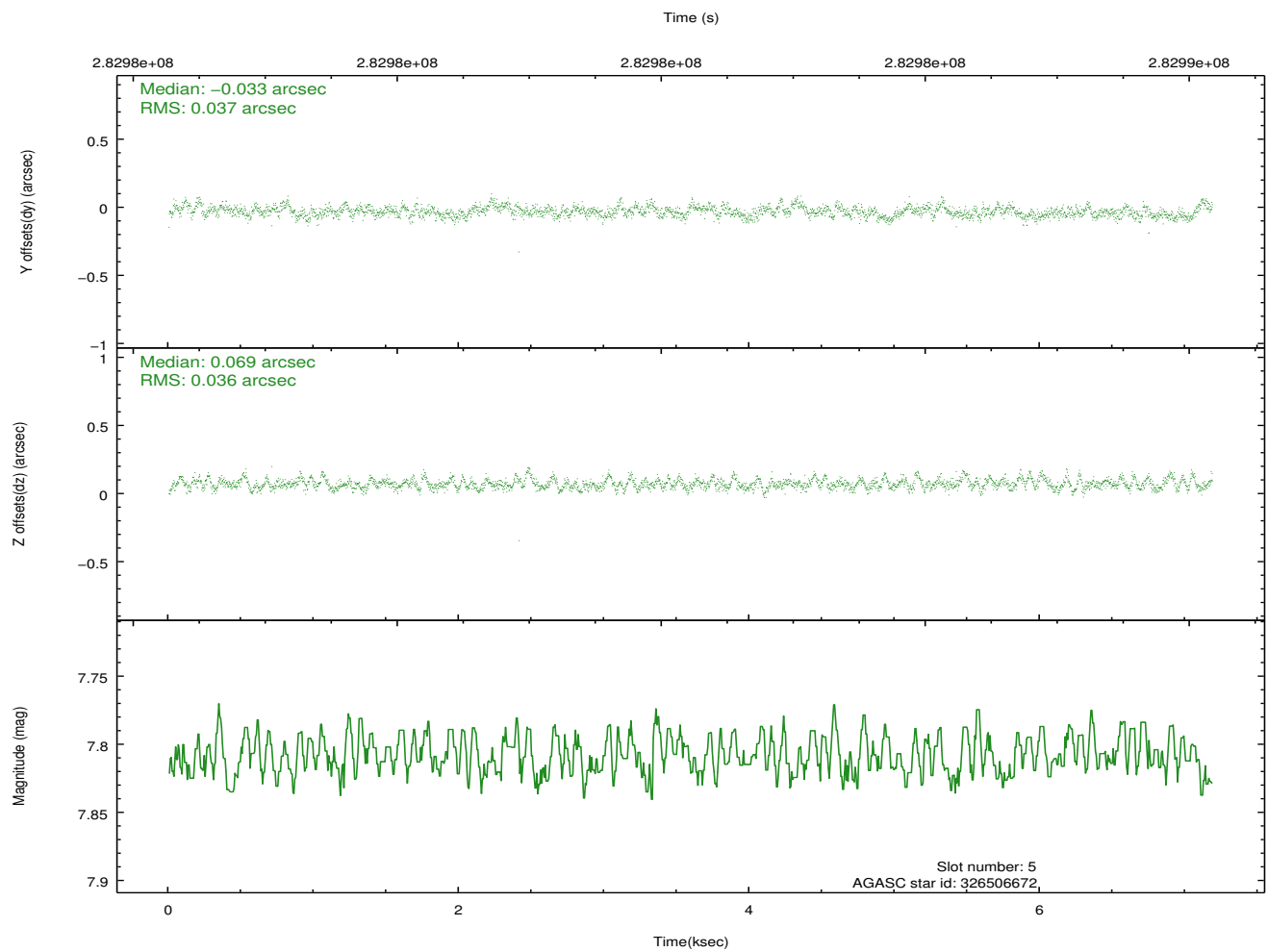
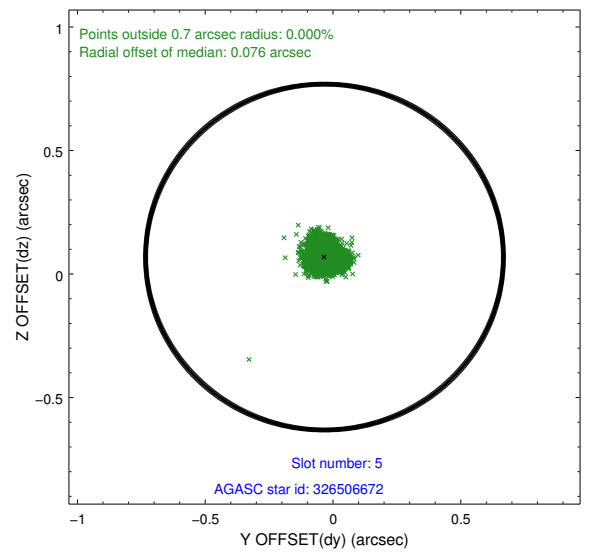
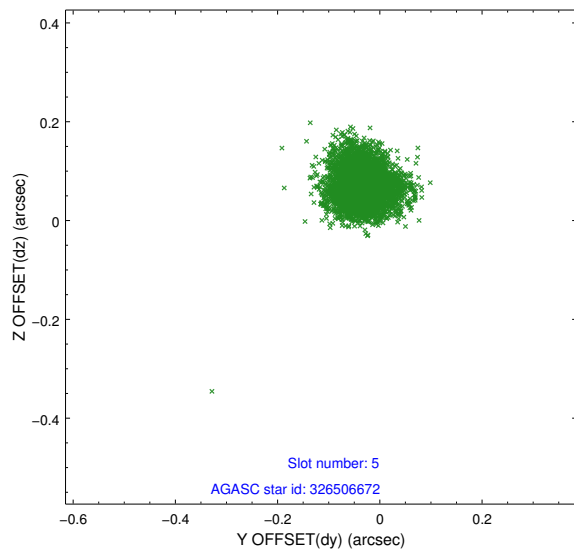
2.4.1 Slot 3



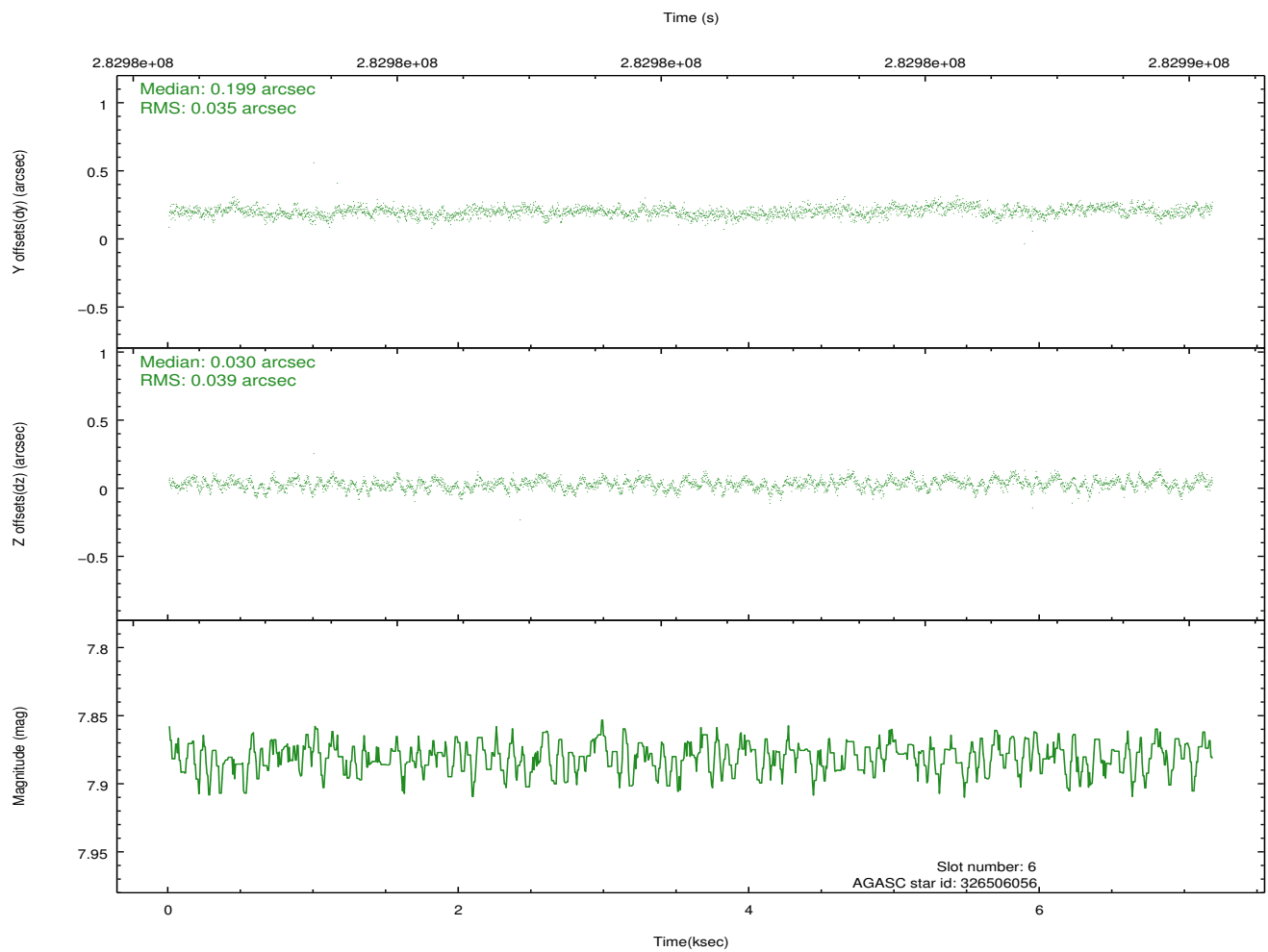
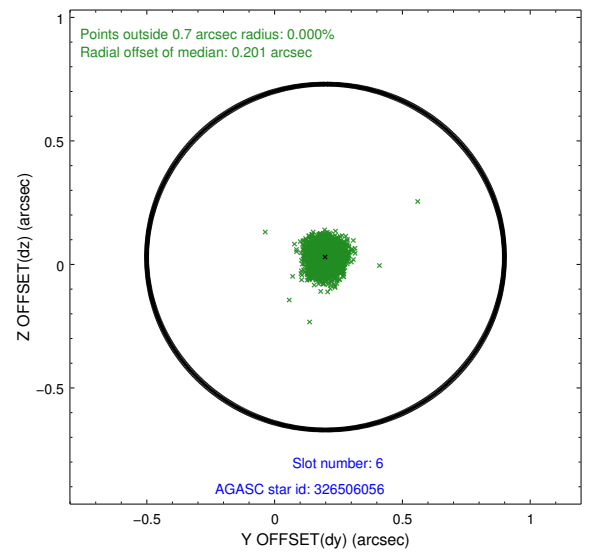
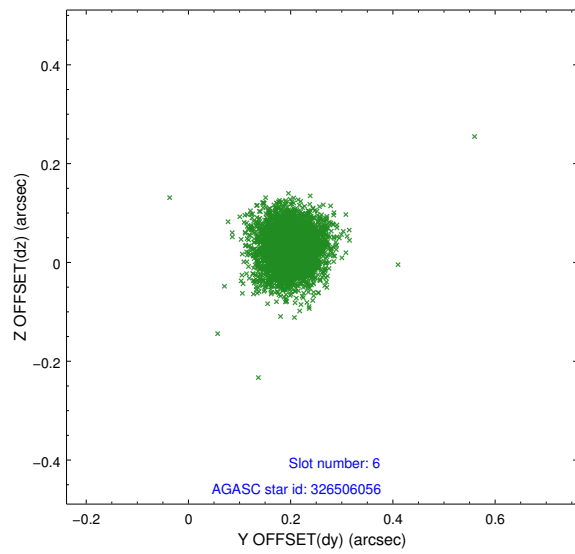
2.4.2 Slot 4



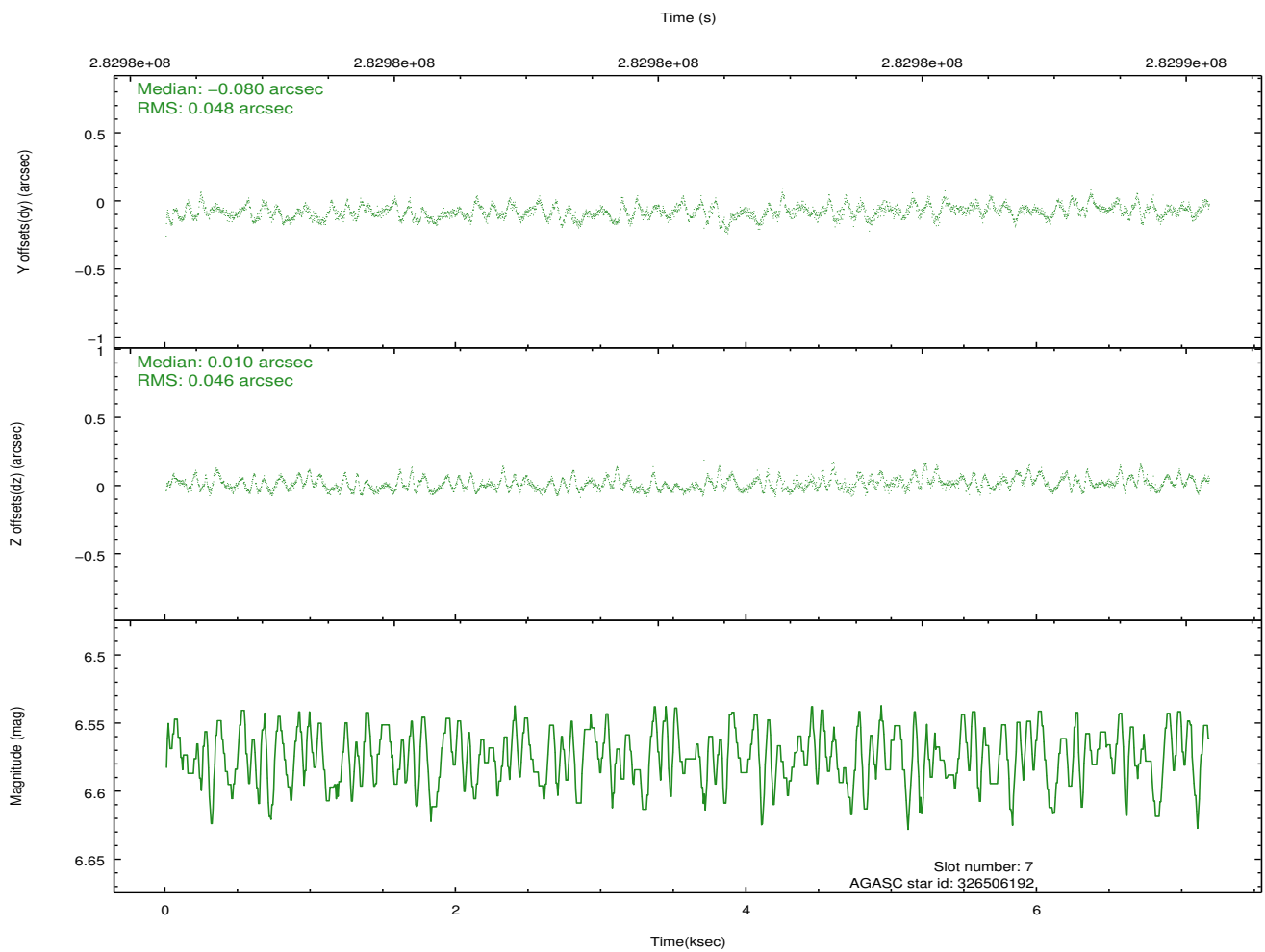
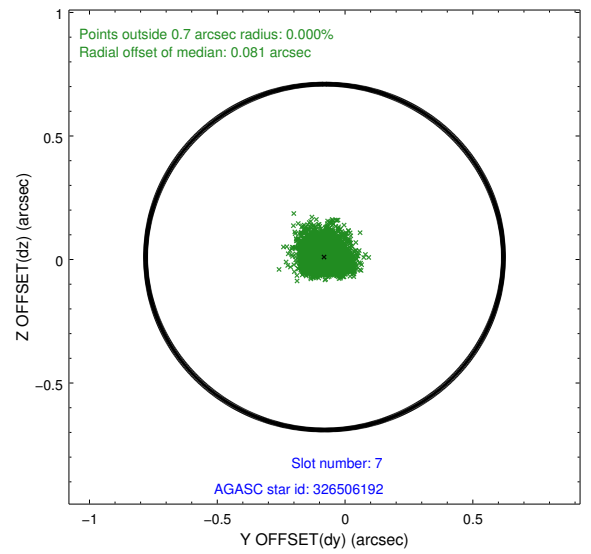
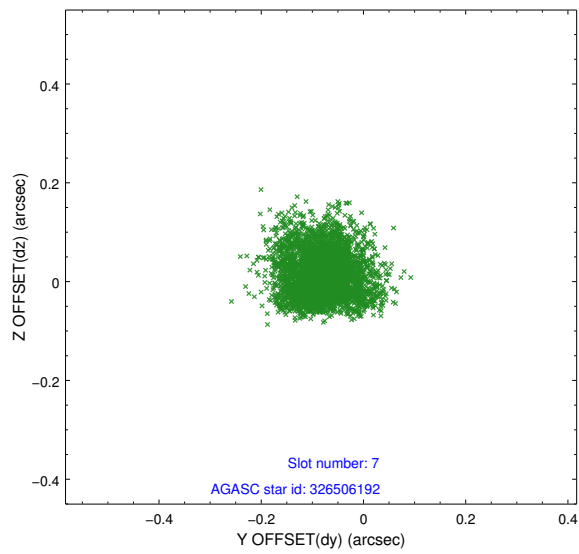
2.4.3 Slot 5



2.4.4 Slot 6

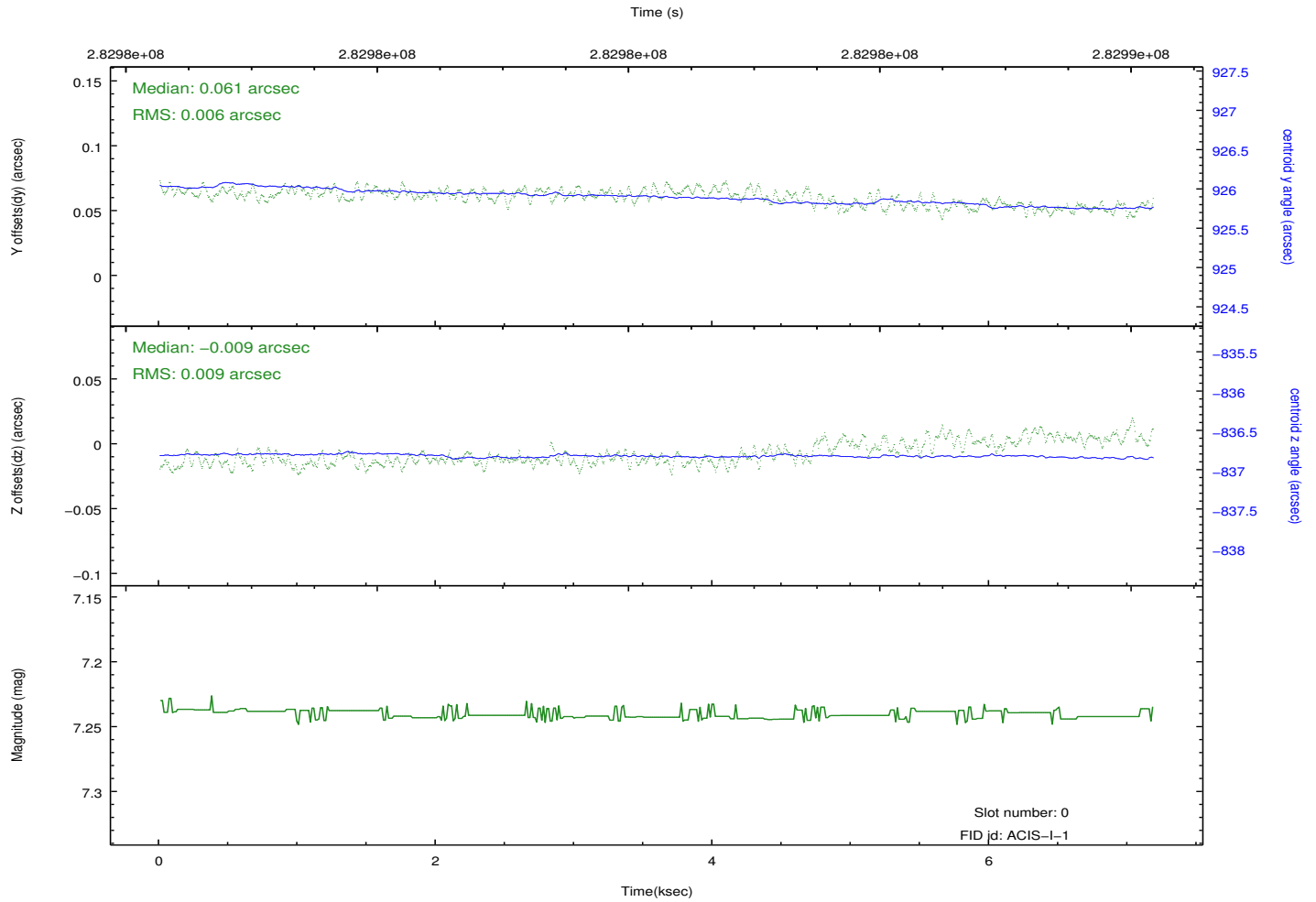
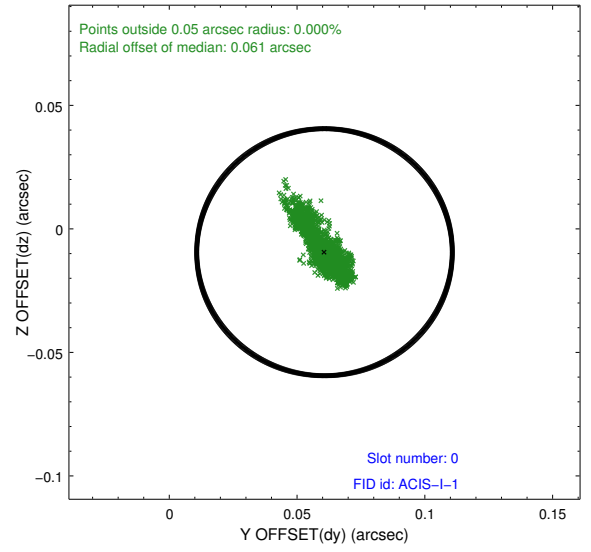
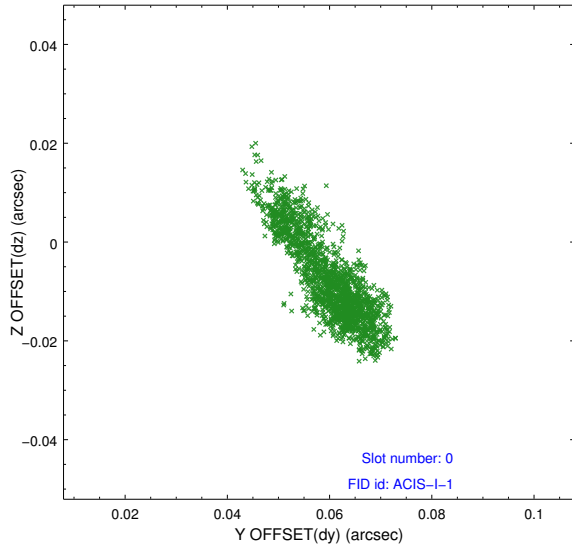


2.4.5 Slot 7

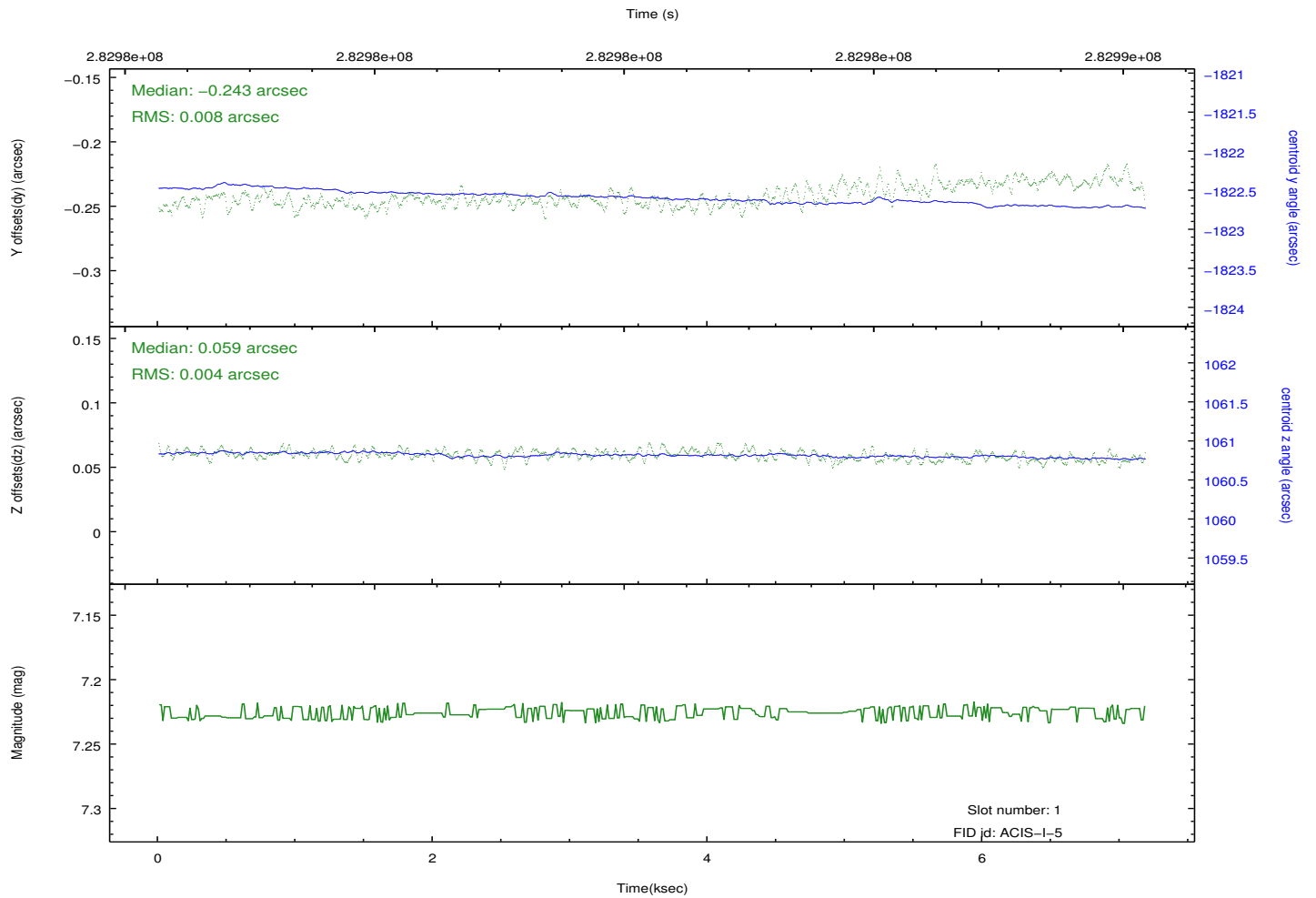
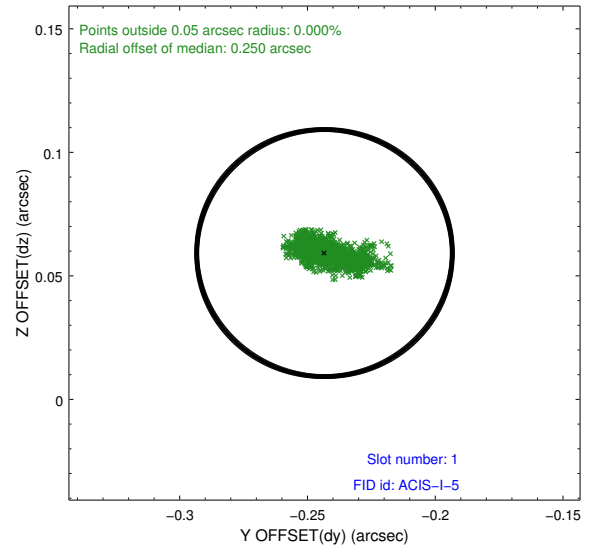
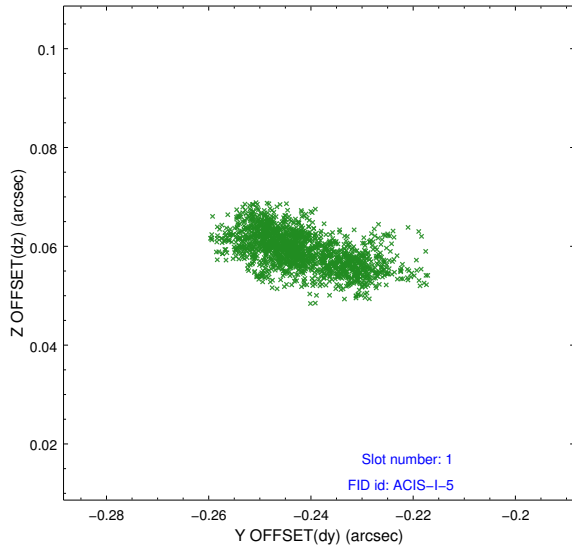


2.5 FID Slots

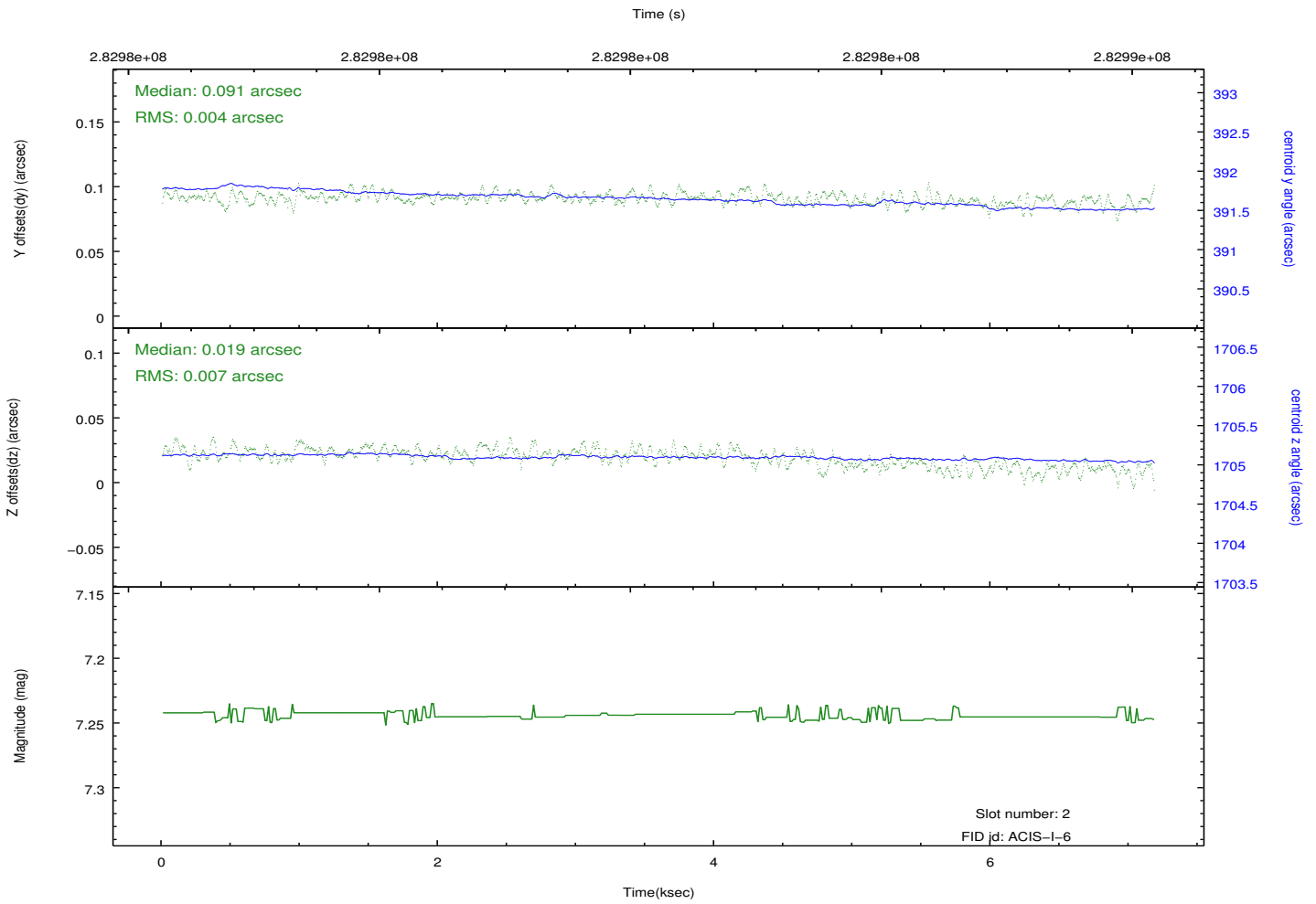
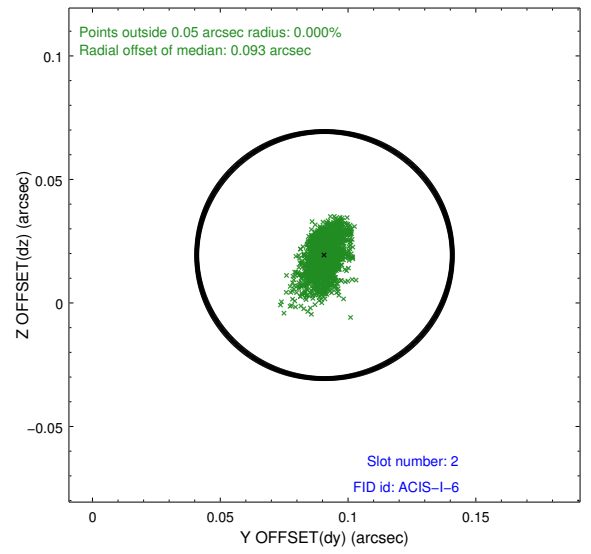
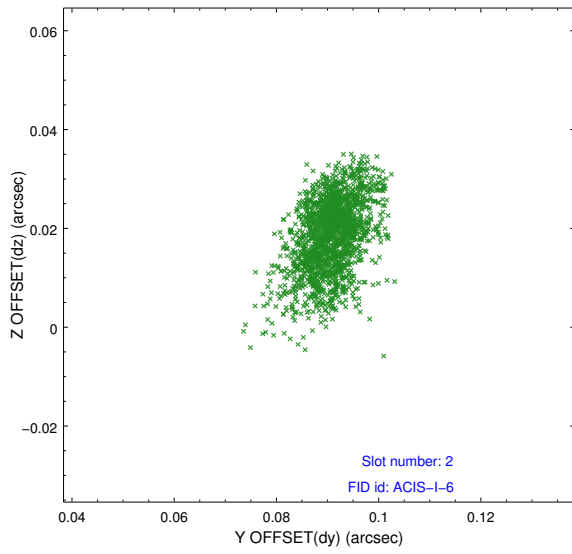
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.08040005

A.2 Comments