

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10922 - L2 Version 2
Chandra X-Ray Center

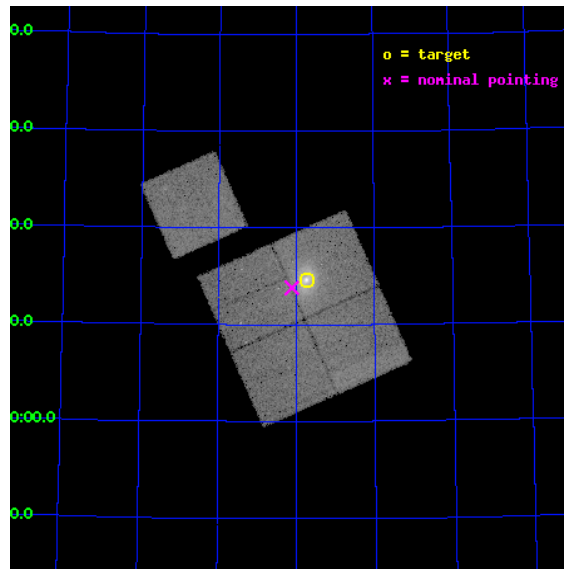
L2 Processing Date : Jun 9 2012

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1 Front

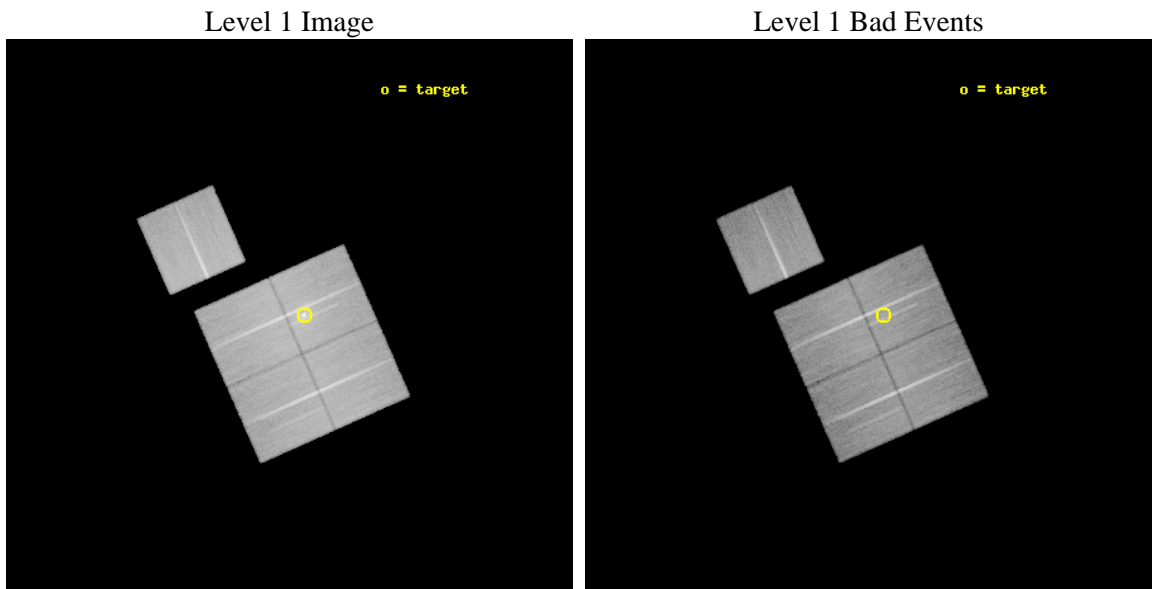
seq_num	800829	Sequence number
obs_id	10922	Observation id
title	A Deep Image of the Most Powerful Cluster AGN Outburst	Proposal ti
observer	Prof. Brian McNamara	Principal investigator
object	MS0735.6+7421	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	115.433333	Observer's specified target RA [deg]
dec_targ	74.243972	Observer's specified target Dec [deg]
ra_nom	115.52947765968	Nominal RA [deg]
dec_nom	74.230403106328	Nominal Dec [deg]
roll_nom	336.11615889234	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35876.022044659	Sum of GTIs [s]
livetime	35407.275405102	Livetime [s]
ontime0	35872.757914484	Sum of GTIs [s]
ontime1	35875.939994514	Sum of GTIs [s]
ontime2	35869.699223399	Sum of GTIs [s]
ontime3	35876.022044659	Sum of GTIs [s]
ontime6	35869.576103389	Sum of GTIs [s]
l2events	154211	Number of level 2 events



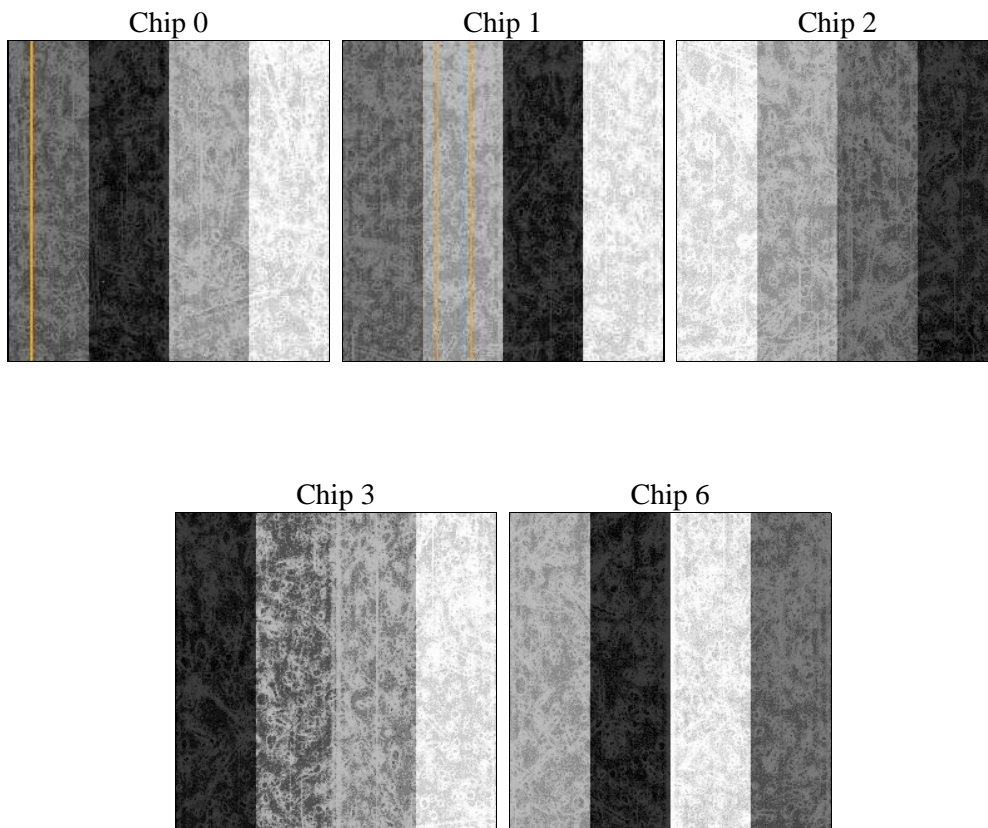
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	36108.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	35876.022044659	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	35872.757914484	Sum of GTIs [s]
date	2012-06-09T09:19:05	Date and time of file creation	ontime1	35875.939994514	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	35869.699223399	Sum of GTIs [s]
			ontime3	35876.022044659	Sum of GTIs [s]
			ontime6	35869.576103389	Sum of GTIs [s]
			l1events	1541941	Number of level 1 events

2.1.4 Events

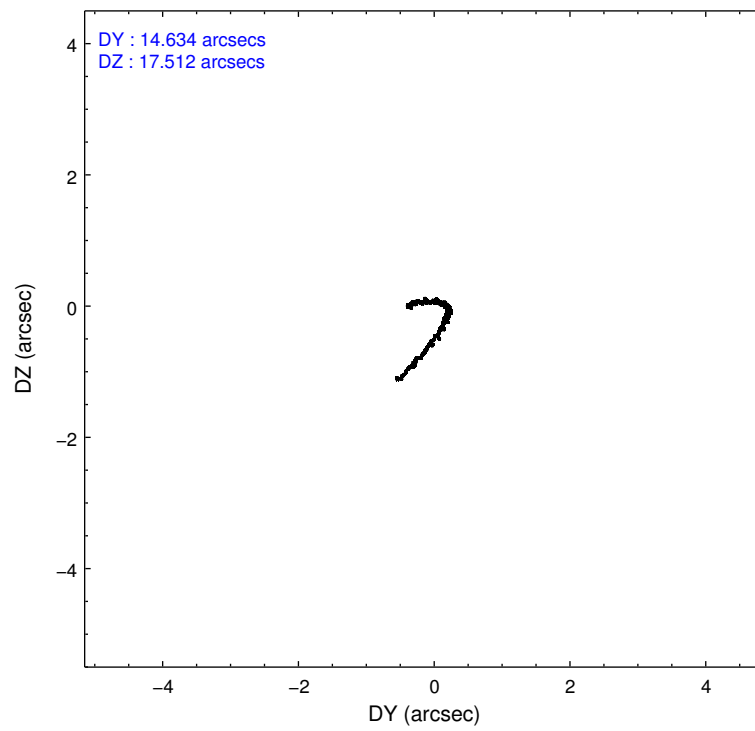
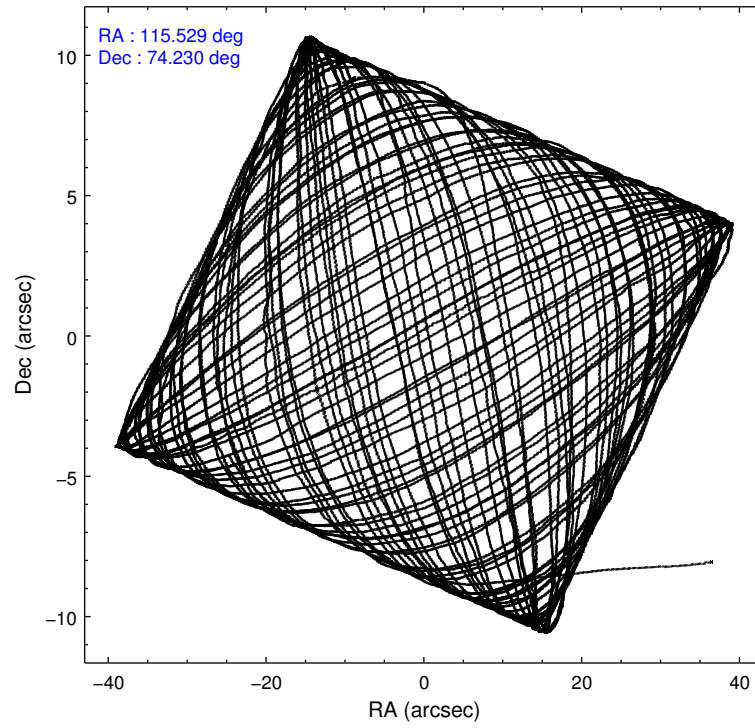
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	285603	296290	321329	329145	309574
rejected events	254251	260552	289307	278203	277213
rejected %	89%	87%	90%	84%	89%

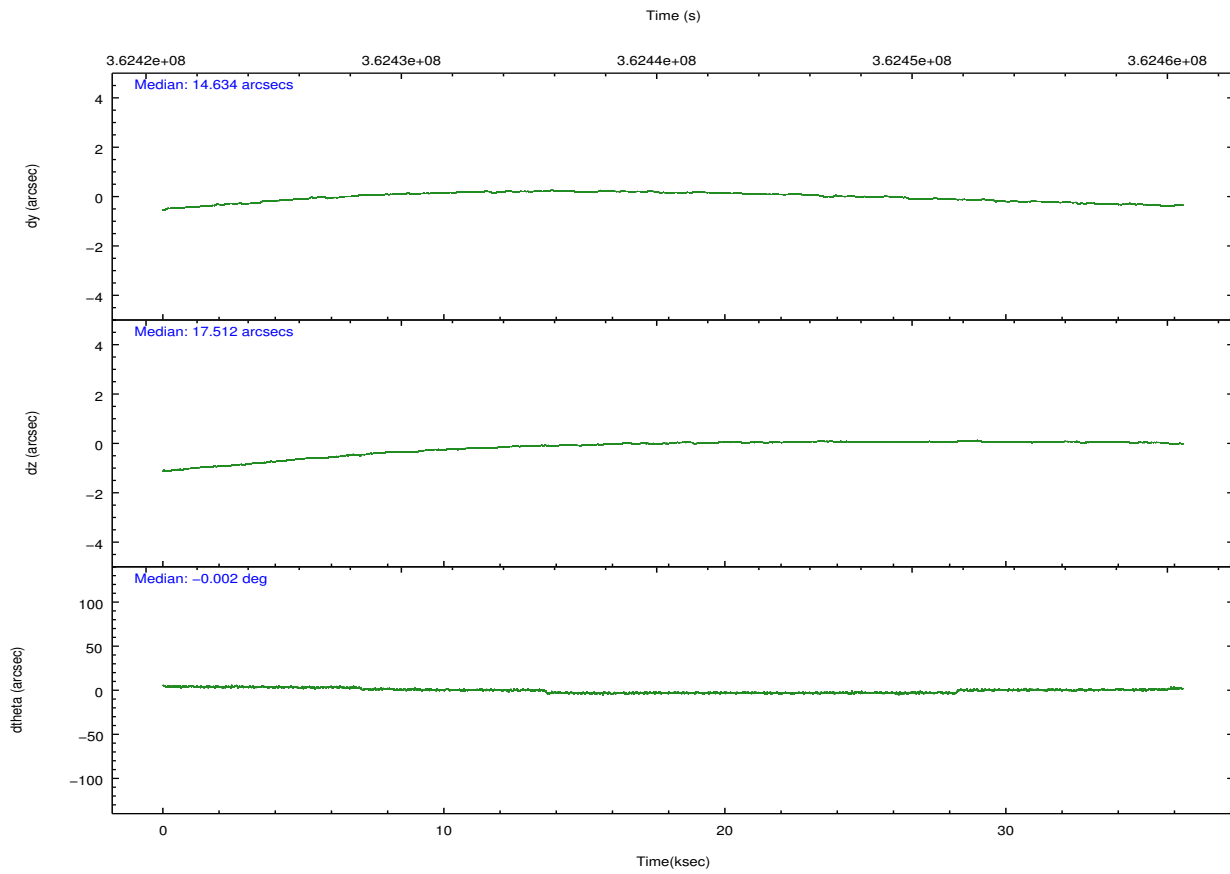
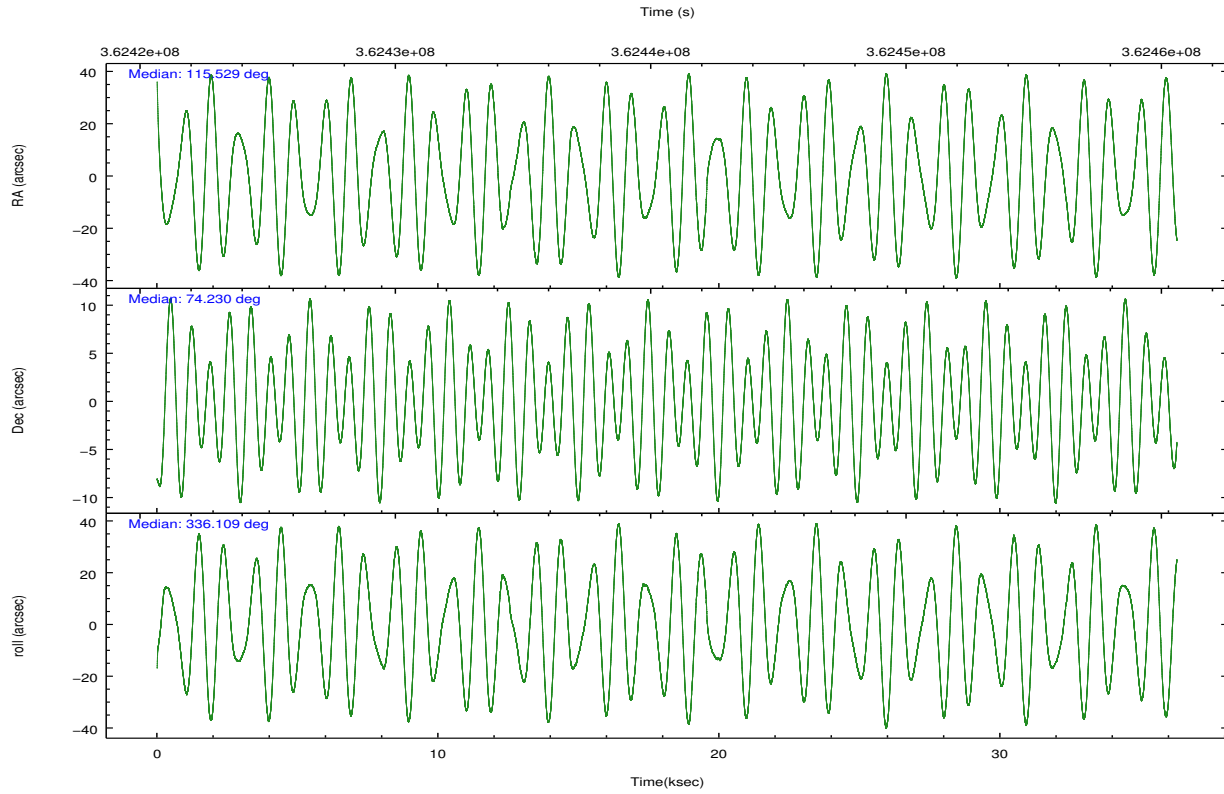
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10874	12655	11916	28027	11382
	3%	4%	3%	8%	3%
grade 1 events	186	166	210	339	158
	0%	0%	0%	0%	0%
grade 2 events	7770	8310	7860	8608	7092
	2%	2%	2%	2%	2%
grade 3 events	3502	3823	3265	3838	3538
	1%	1%	1%	1%	1%
grade 4 events	3157	3665	3289	3950	3387
	1%	1%	1%	1%	1%
grade 5 events	11204	12179	10554	12969	12777
	3%	4%	3%	3%	4%
grade 6 events	6050	7287	5694	6524	6963
	2%	2%	1%	1%	2%
grade 7 events	242860	248205	278541	264890	264277
	85%	83%	86%	80%	85%

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	115.428929	115.5294776596785	Subarray requested	NONE	NONE
[deg] Pointing Dec	74.227365	74.23040310632784	Alternating exposures requested	N	N
[deg] Pointing Roll	336.004234	336.1161588923381	[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	-225.592463	-225.5843688559632			
[mm] SIM translation stage offset	-8	-8.008084146966468			
[s] Observation start time (MET)	362422690.184000	362421809.51908			
Observation start date	2009-06-26T16:57:04	2009-06-26T16:43:29			
[s] Observation end time (MET)	362458798.184000	362459565.90847			
Observation end date	2009-06-27T02:58:52	2009-06-27T03:12:45			
Read mode	TIMED	TIMED			

2.3 Aspect



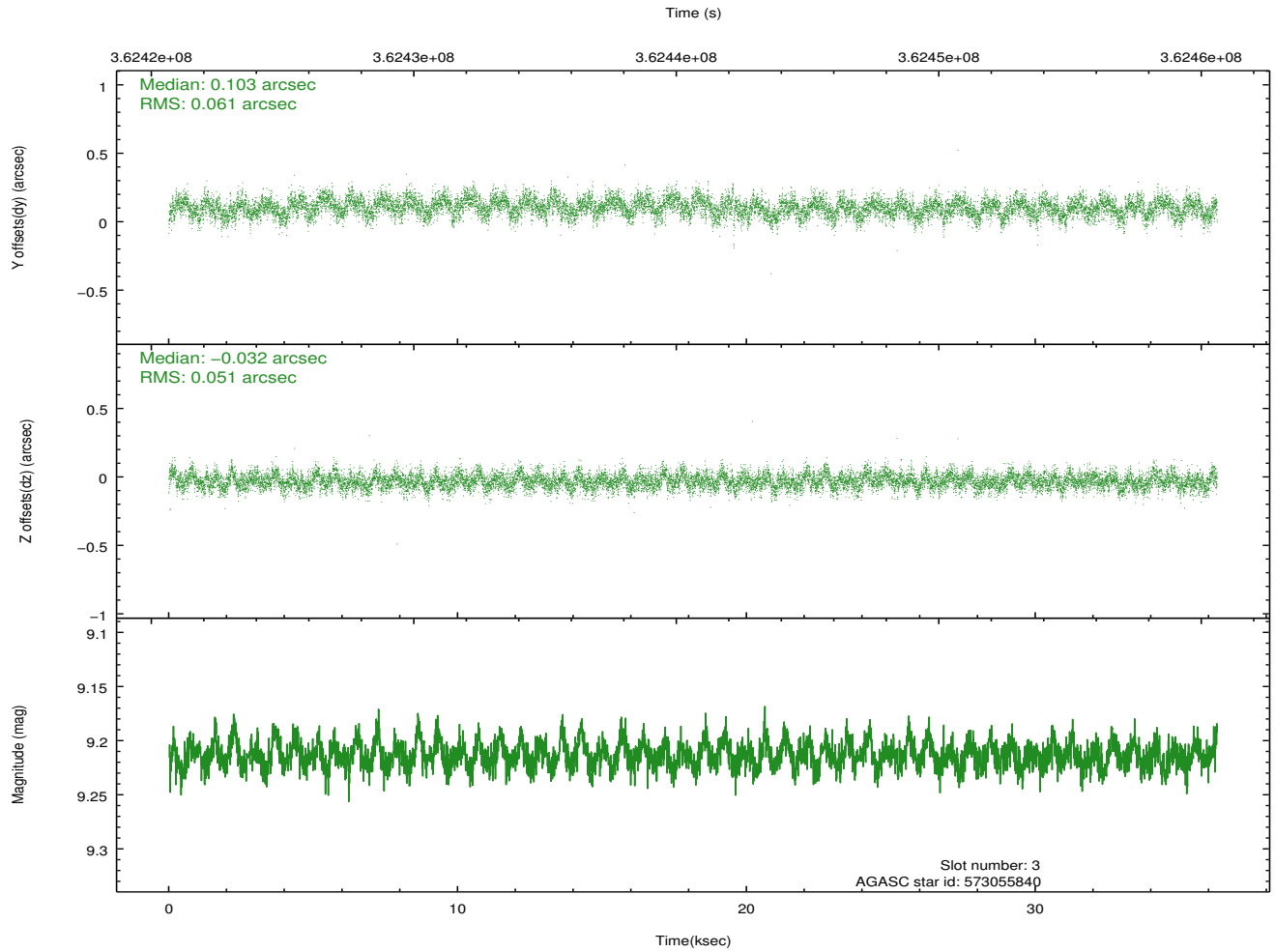
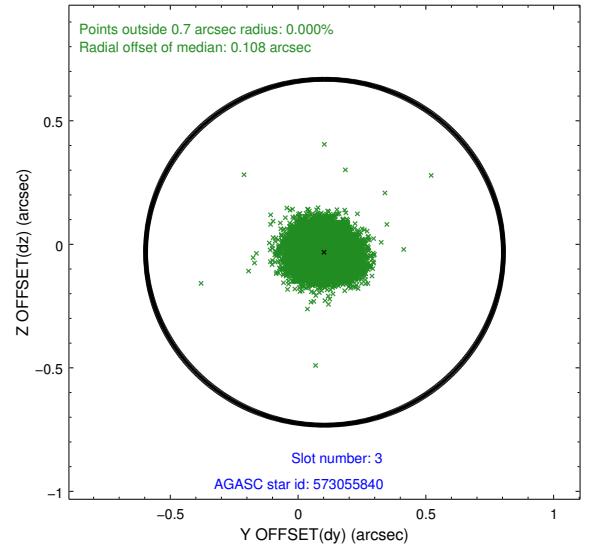
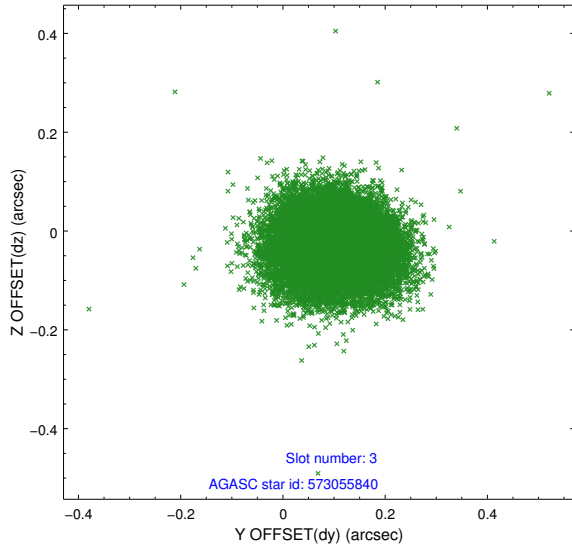


Slot Statistics

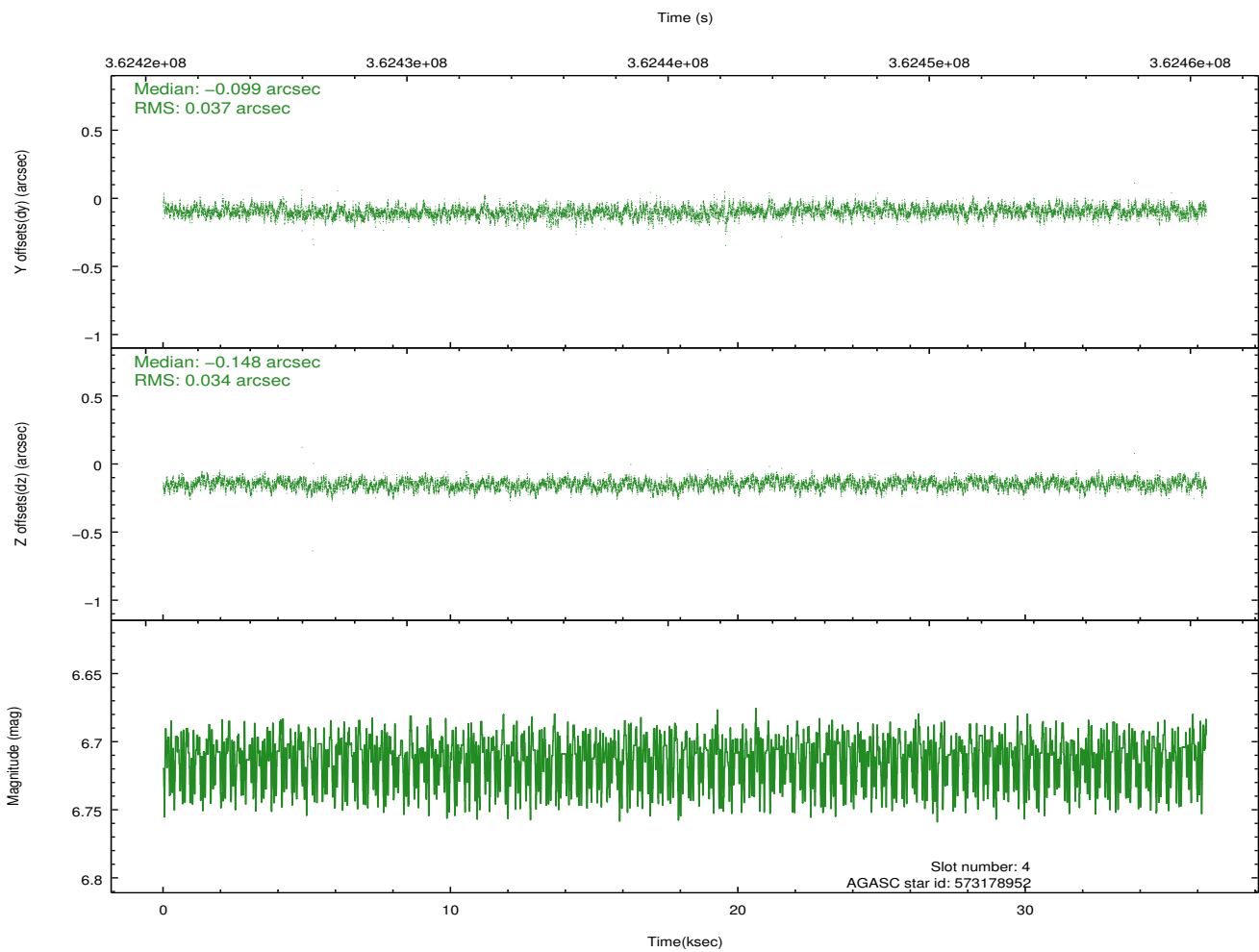
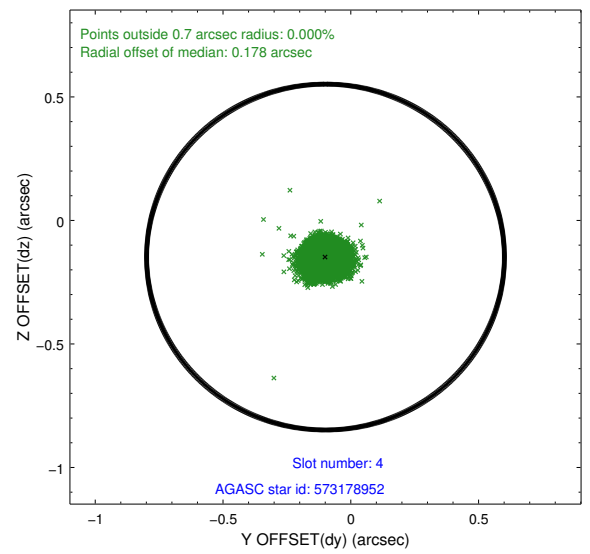
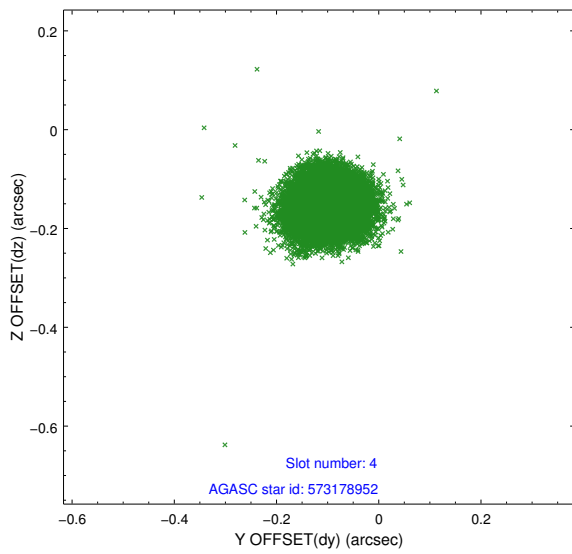
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	8852	-0.089	-0.076	0.015	0.044	0.000000	0.000000	-769.96	-1010.77
1	FID	ACIS-I-4	6.91	8852	0.144	0.074	0.018	0.027	0.000000	0.000000	2144.28	895.47
2	FID	ACIS-I-5	6.98	8852	-0.157	0.070	0.022	0.034	0.000000	0.000000	-1823.40	892.32
3	GUIDE	573055840	9.21	17688	0.103	-0.032	0.085	0.137	113.597023	74.523847	-2052.10	284.16
4	GUIDE	573178952	6.71	17704	-0.099	-0.148	0.053	0.085	117.150959	74.043209	1816.93	109.61
5	GUIDE	573179104	9.23	17675	0.113	0.149	0.099	0.164	116.721510	73.777279	1841.43	-938.24
6	GUIDE	573179776	9.11	17678	-0.031	-0.143	0.099	0.158	115.887555	74.372574	193.76	659.80
7	GUIDE	573180248	7.76	17697	-0.081	0.170	0.072	0.117	114.639898	73.595816	190.10	-2398.71

2.4 Star Slots

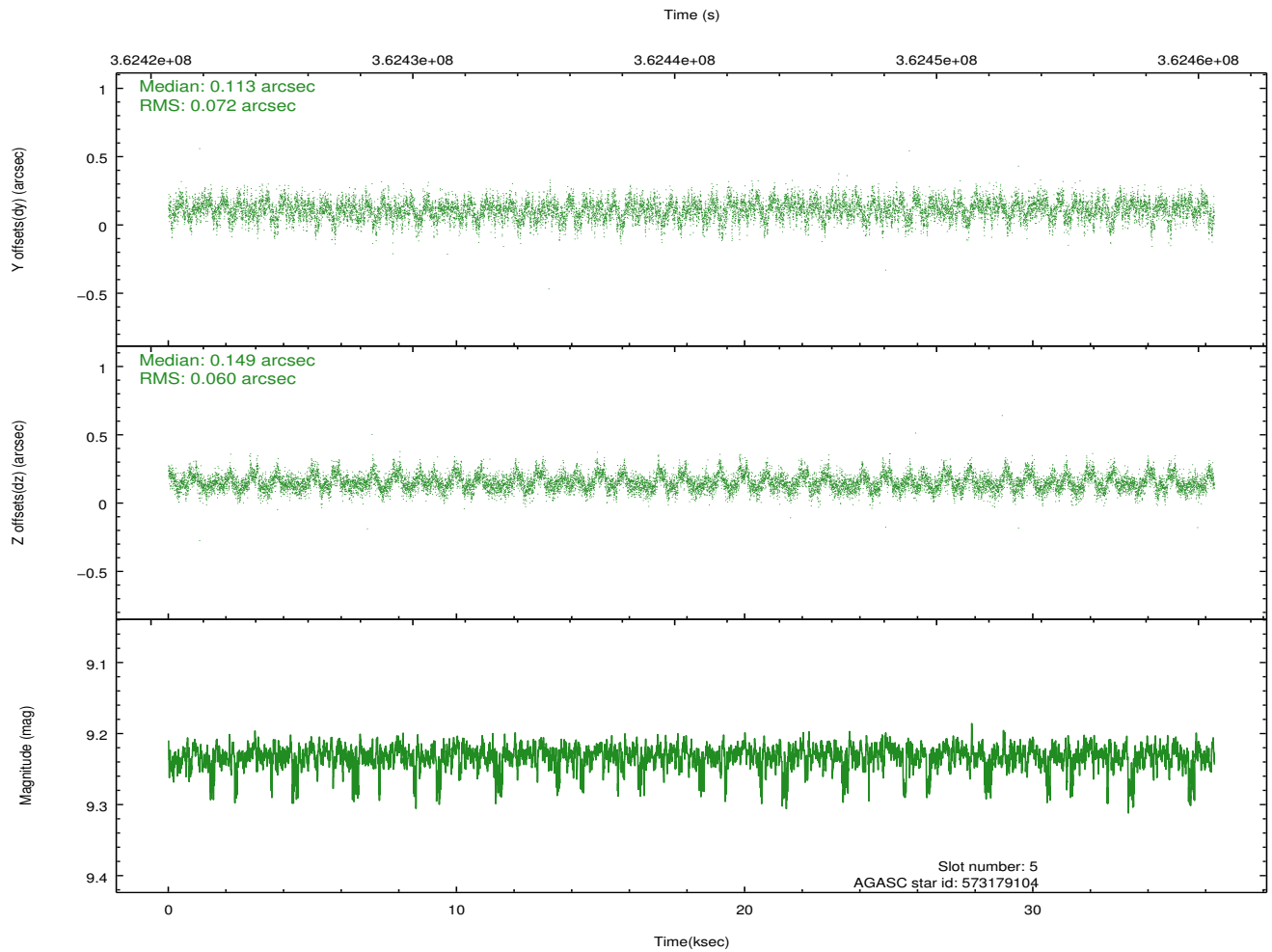
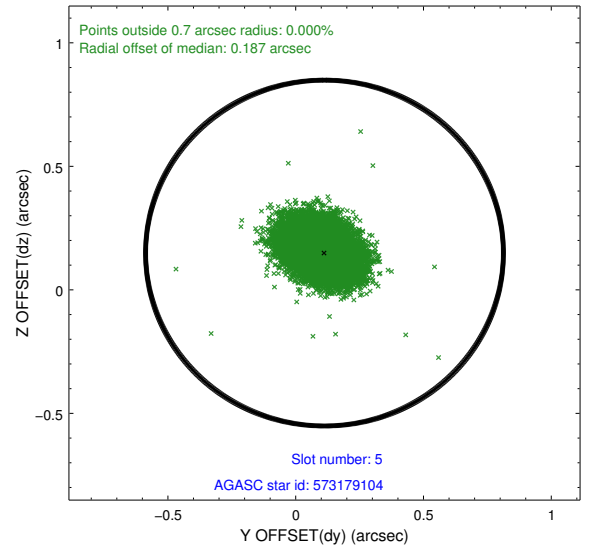
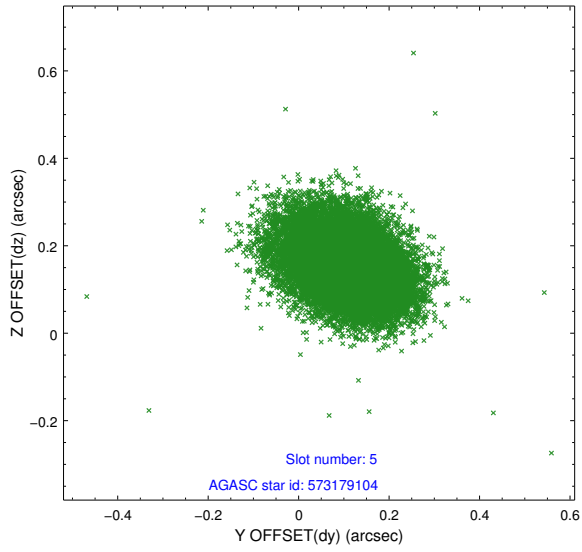
2.4.1 Slot 3



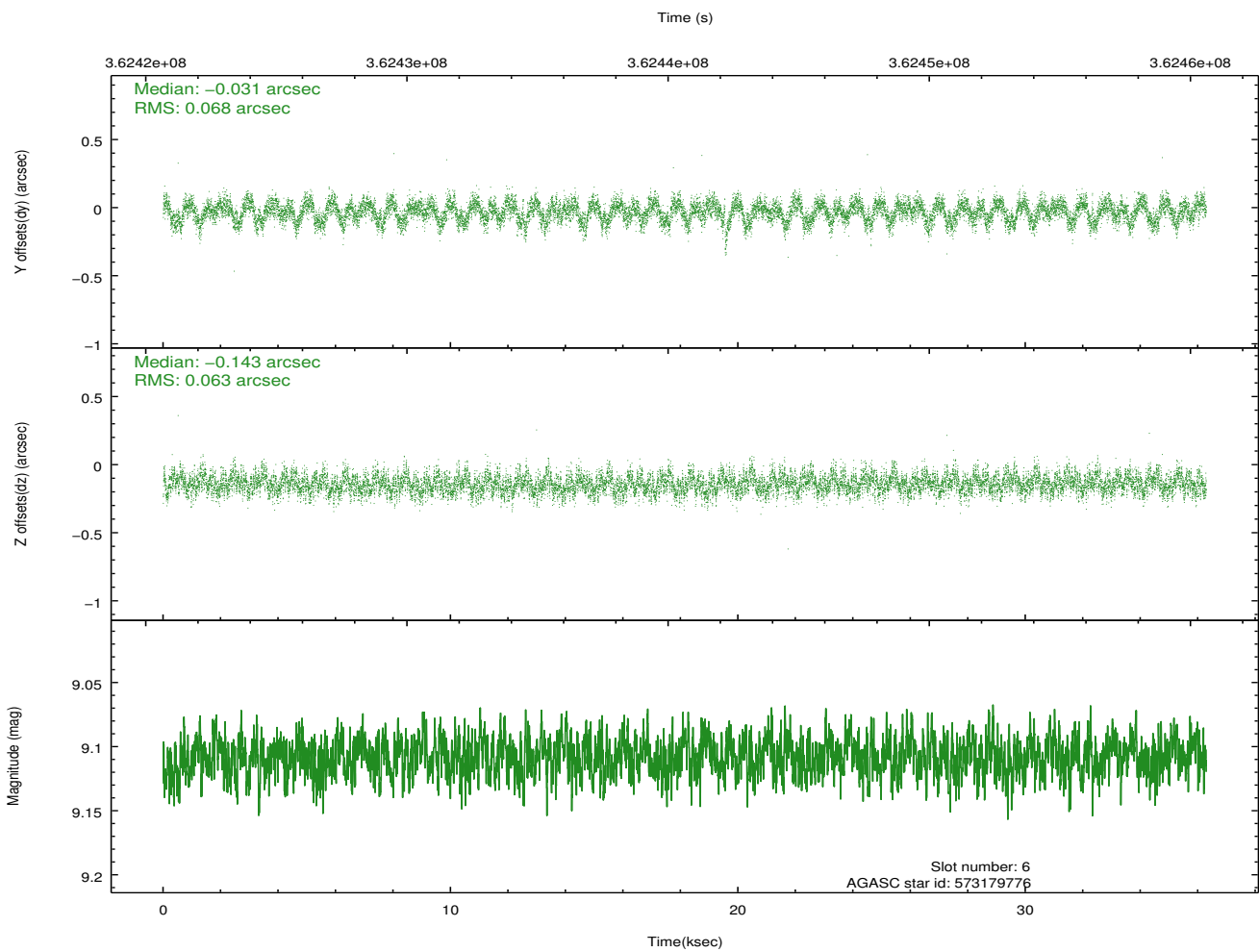
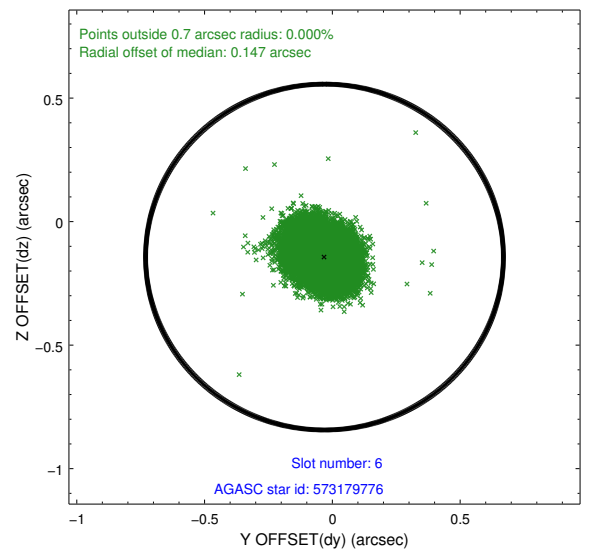
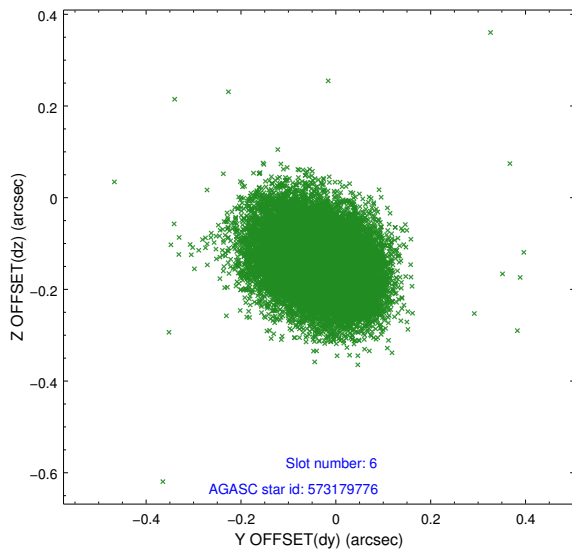
2.4.2 Slot 4



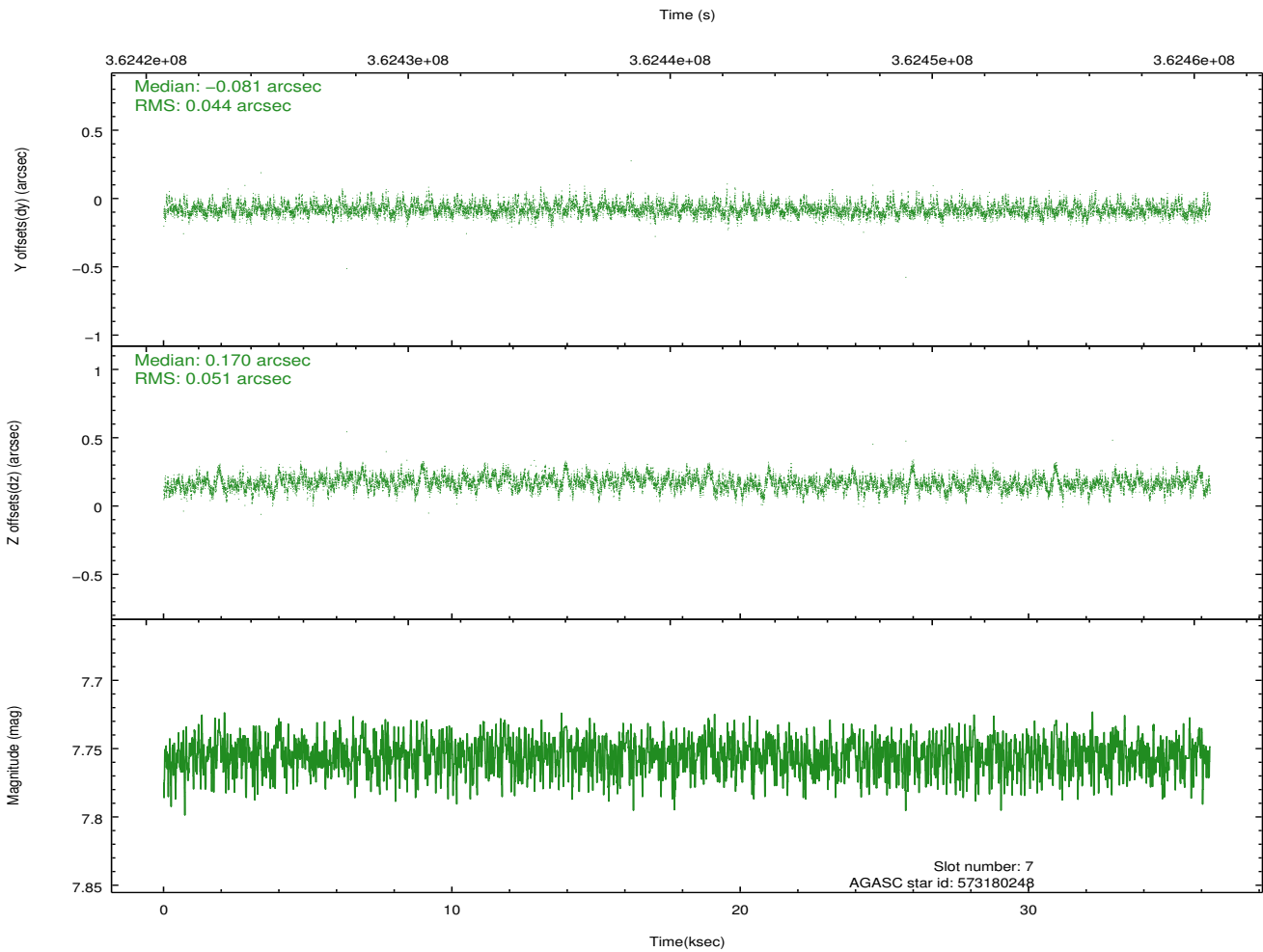
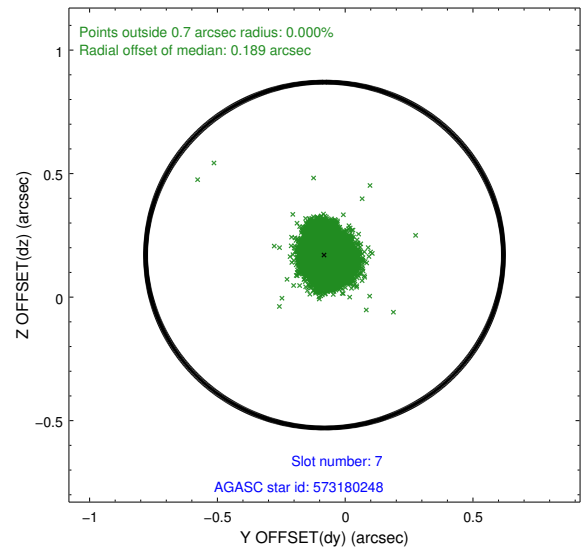
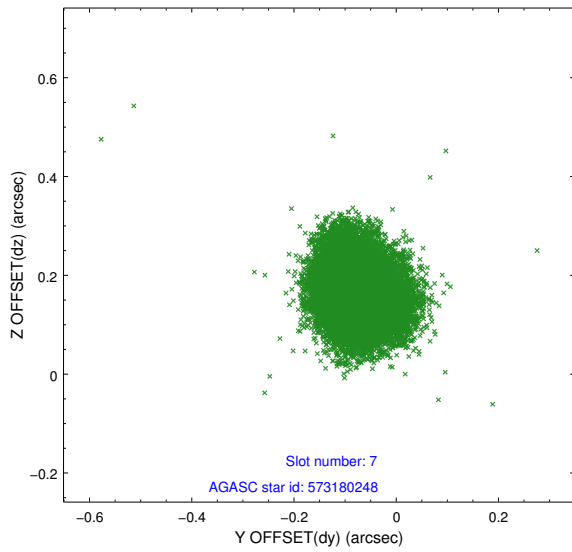
2.4.3 Slot 5



2.4.4 Slot 6

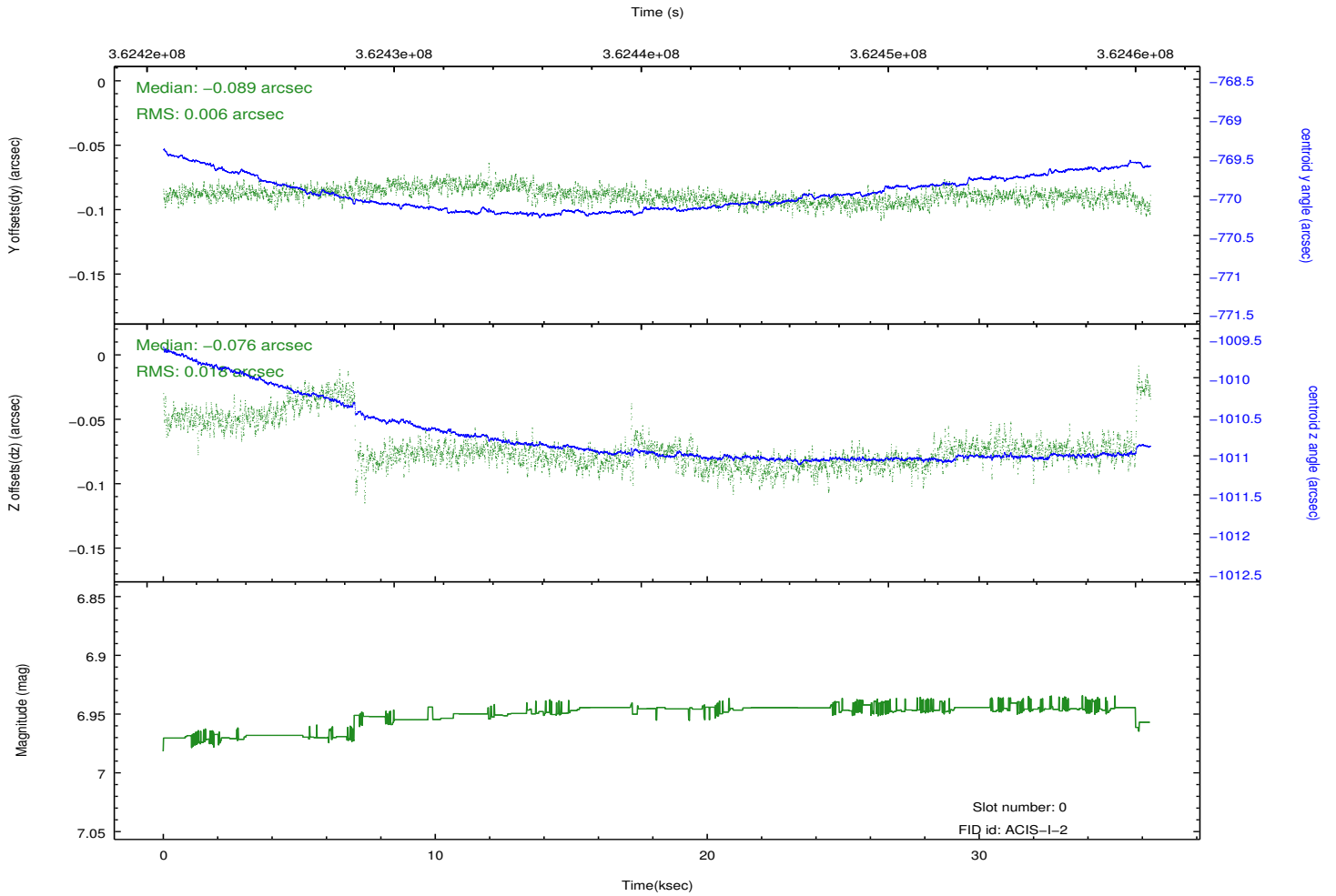
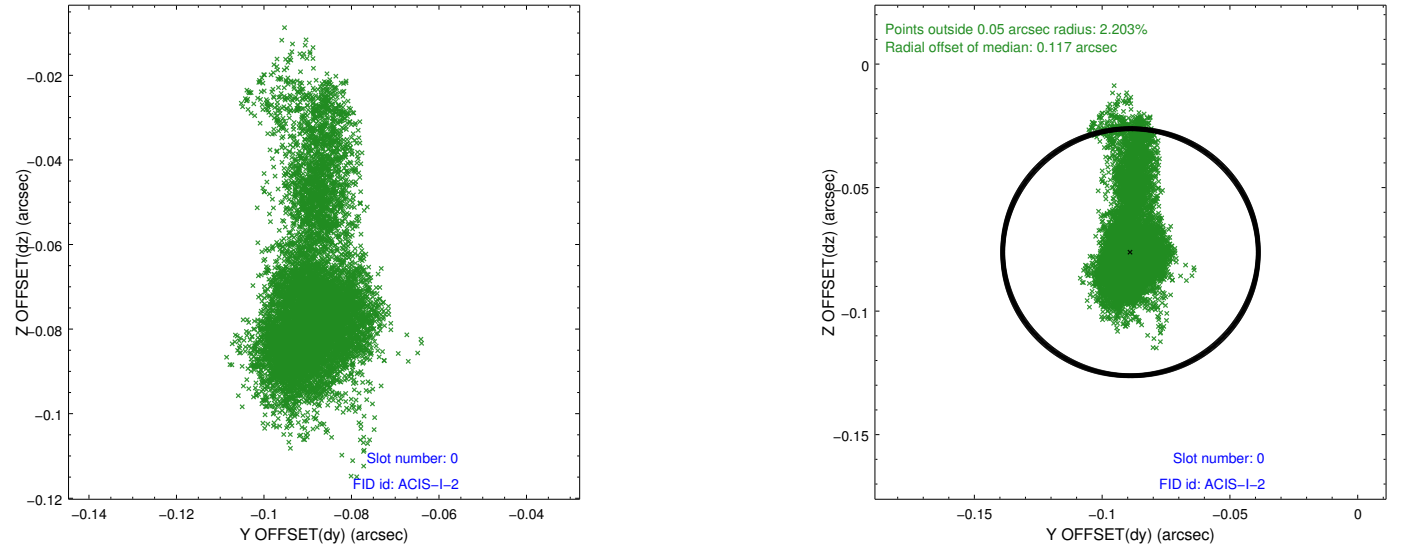


2.4.5 Slot 7

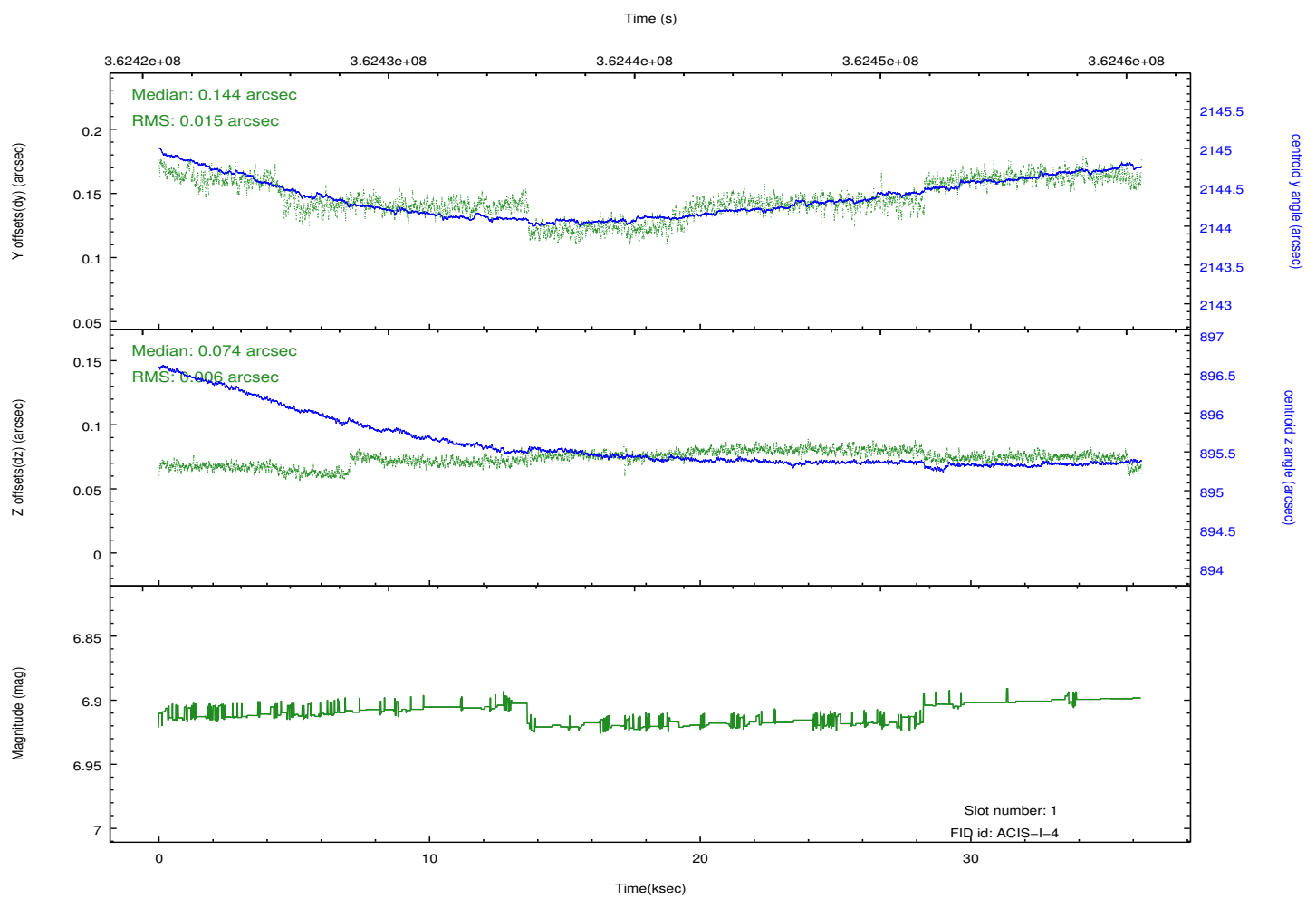
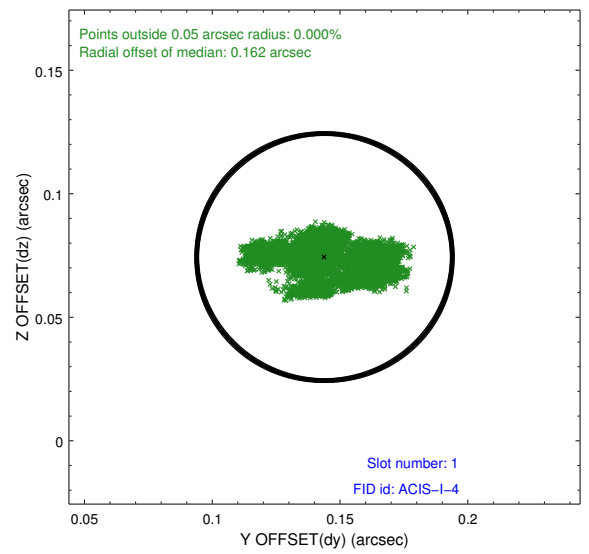
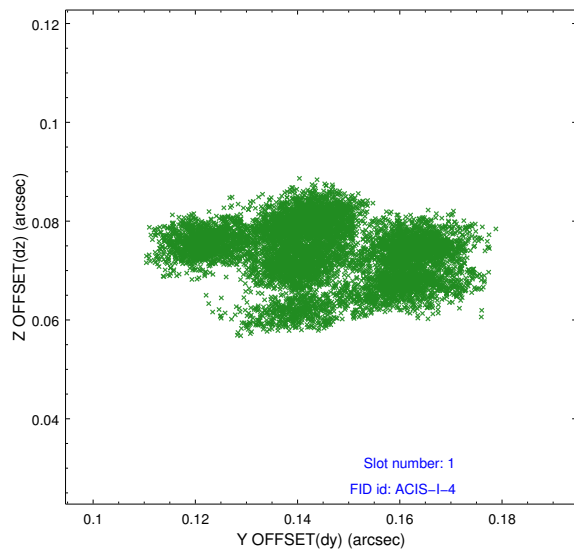


2.5 FID Slots

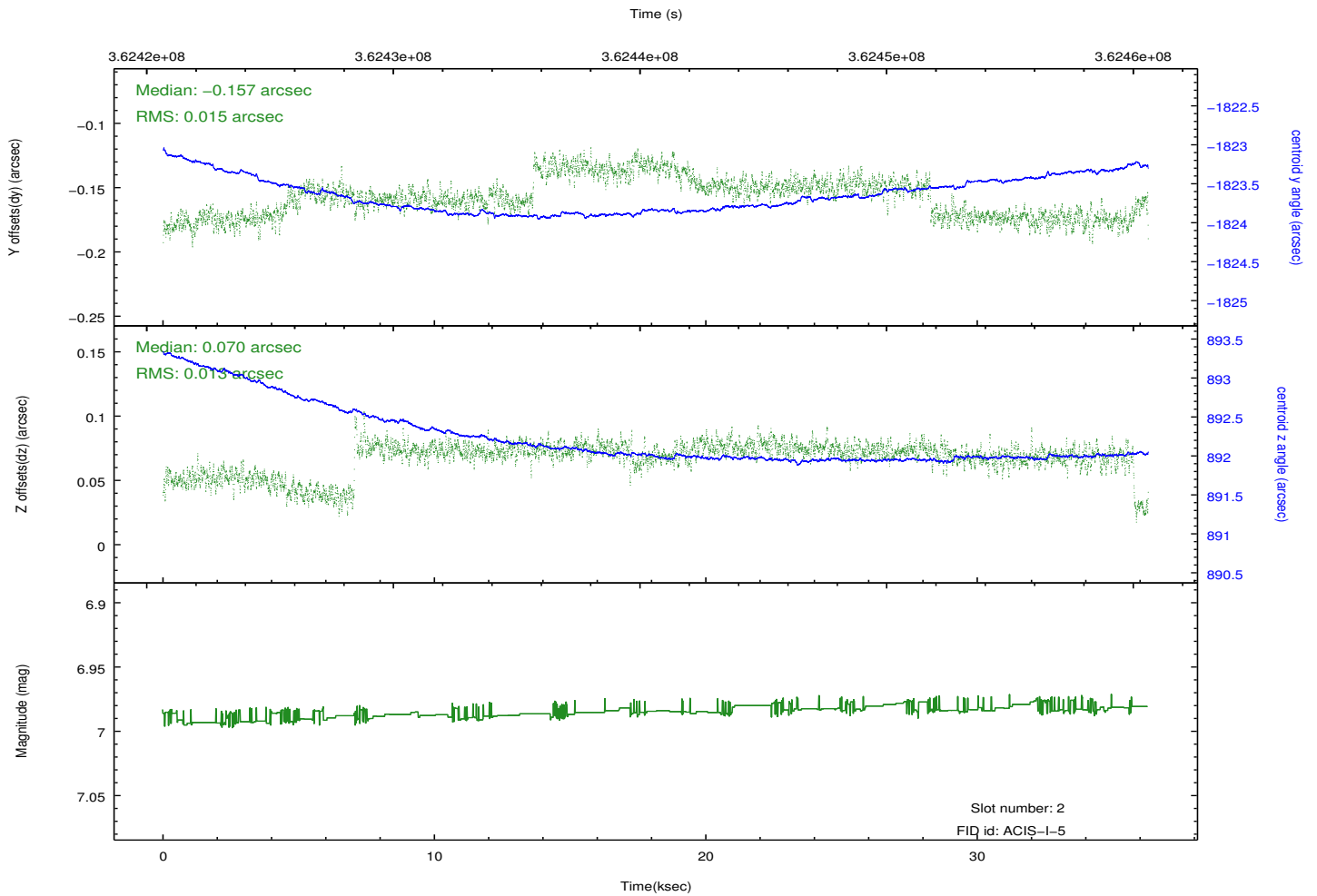
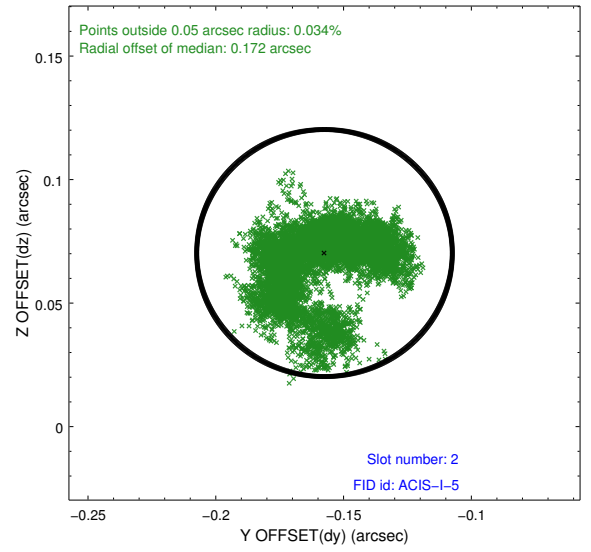
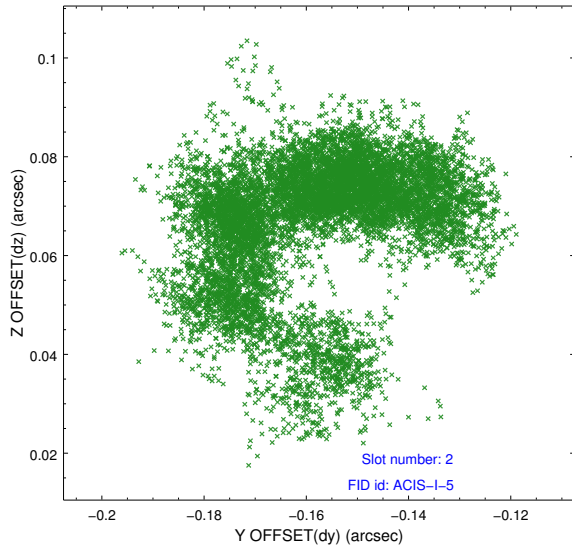
2.5.1 Slot 0



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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.8762183

A.2 Comments