

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3283 - L2 Version 3
Chandra X-Ray Center

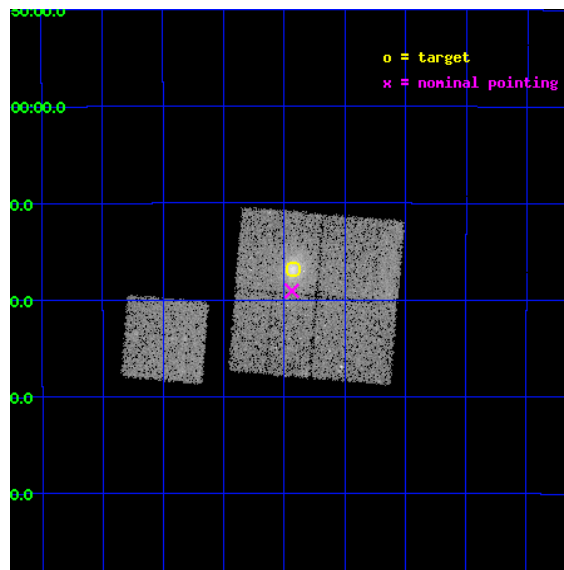
L2 Processing Date : Oct 19 2012

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1 Front

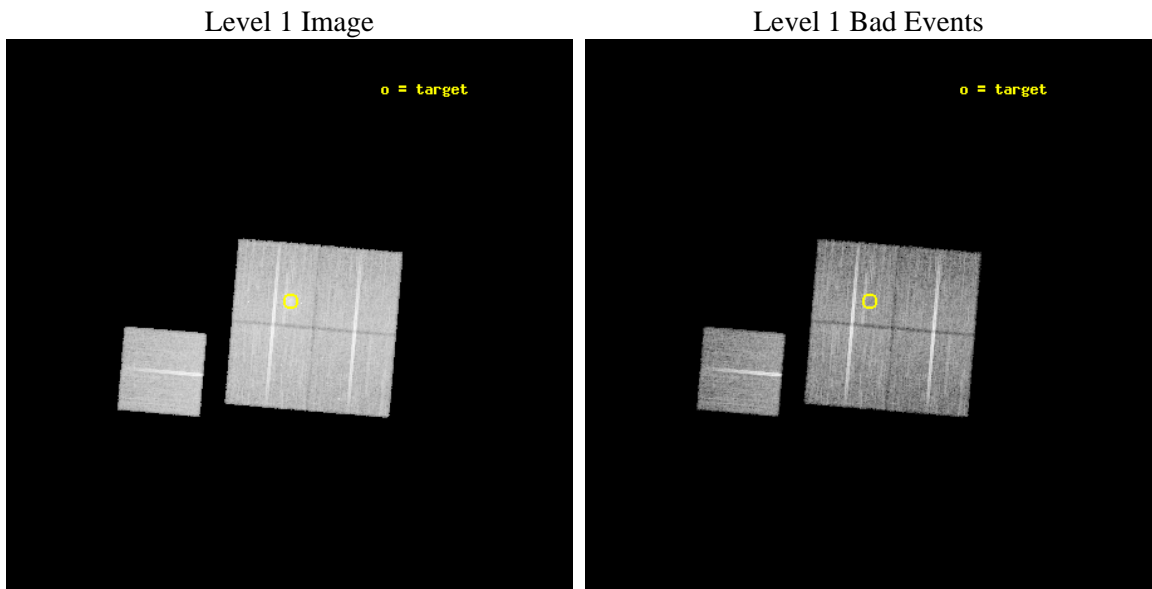
seq_num	800283	Sequence number
obs_id	3283	Observation id
title	MACS: THE X-RAY PROPERTIES OF THE MOST MASSIVE GALAXY CLUSTERS AT Z>0.3	Proposal title
observer	Dr. Harald Ebeling	Principal investigator
object	MACSJ2049.9-3217	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	312.482917	Observer's specified target RA [deg]
dec_targ	-32.280278	Observer's specified target Dec [deg]
ra_nom	312.48443504586	Nominal RA [deg]
dec_nom	-32.317891261328	Nominal Dec [deg]
roll_nom	274.8674569954	Nominal Roll [deg]
revision	3	Processing version of data
ontime	24113.744522214	Sum of GTIs [s]
livetime	23798.680697751	Livetime [s]
ontime0	24113.621452093	Sum of GTIs [s]
ontime1	24110.521511883	Sum of GTIs [s]
ontime2	24110.562631637	Sum of GTIs [s]
ontime3	24113.744522214	Sum of GTIs [s]
ontime6	24110.439431936	Sum of GTIs [s]
l2events	60296	Number of level 2 events



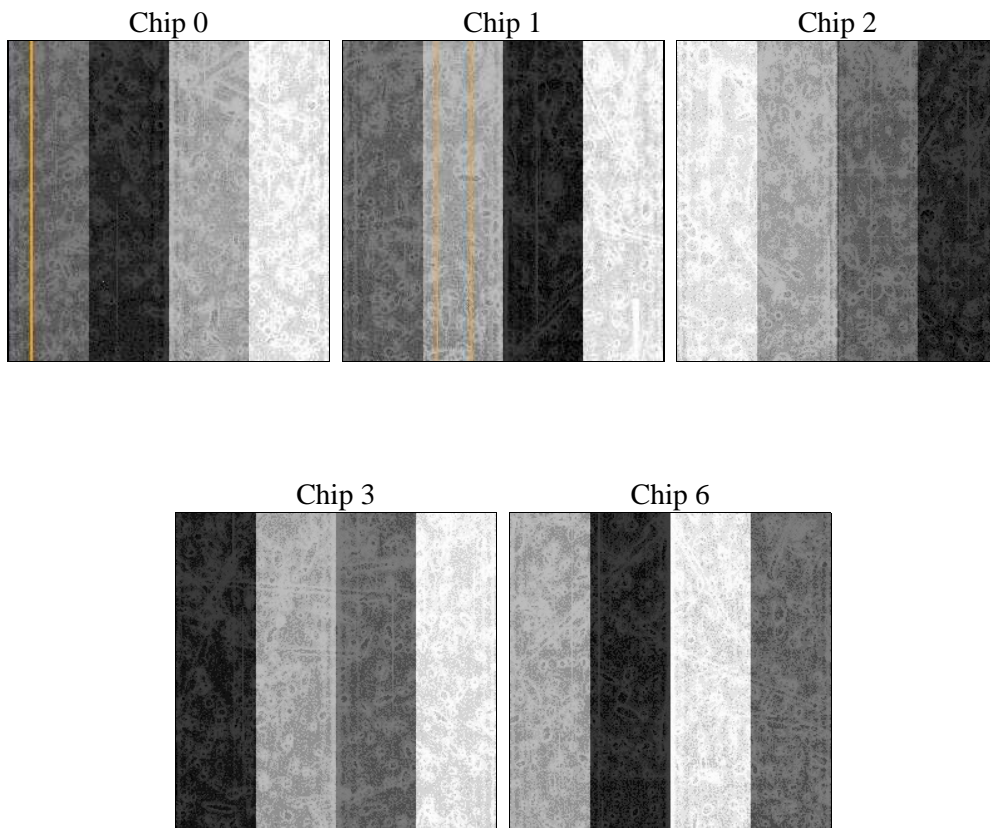
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	24000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	24113.744522214	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	24113.621452093	Sum of GTIs [s]
date	2012-10-19T05:27:40	Date and time of file creation	ontime1	24110.521511883	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	24110.562631637	Sum of GTIs [s]
			ontime3	24113.744522214	Sum of GTIs [s]
			ontime6	24110.439431936	Sum of GTIs [s]
			l1events	620876	Number of level 1 events

2.1.4 Events

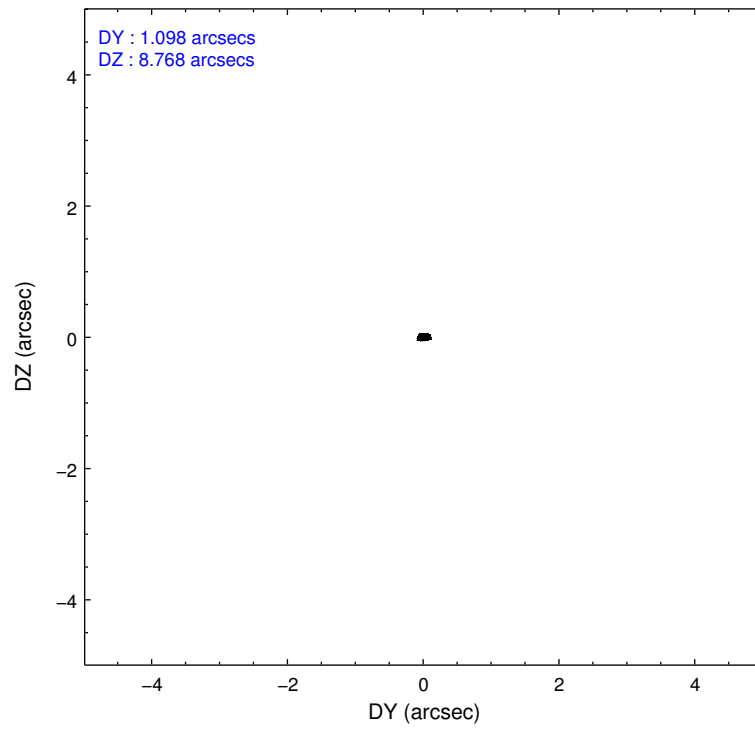
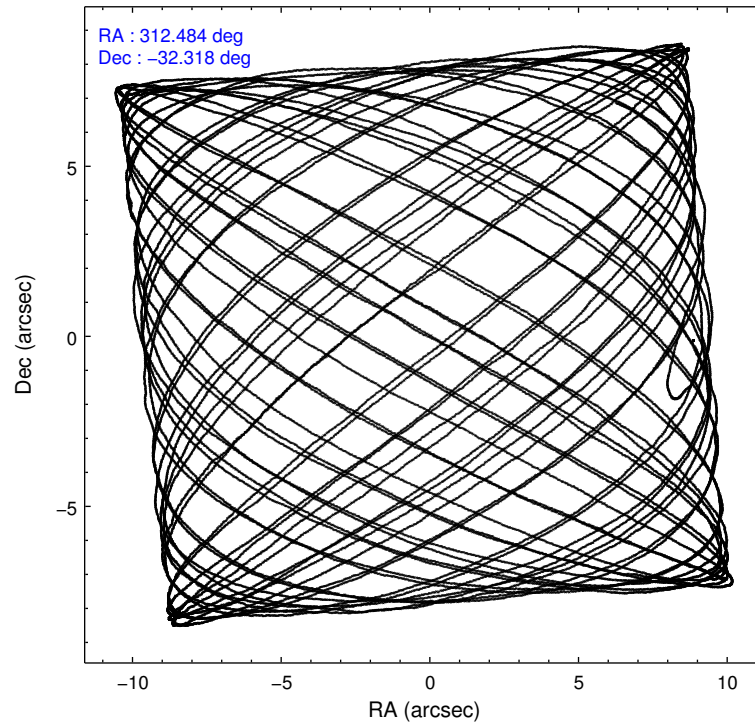
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	114924	116492	131365	132133	125962
rejected events	102303	102571	118629	112915	112978
rejected %	89%	88%	90%	85%	89%

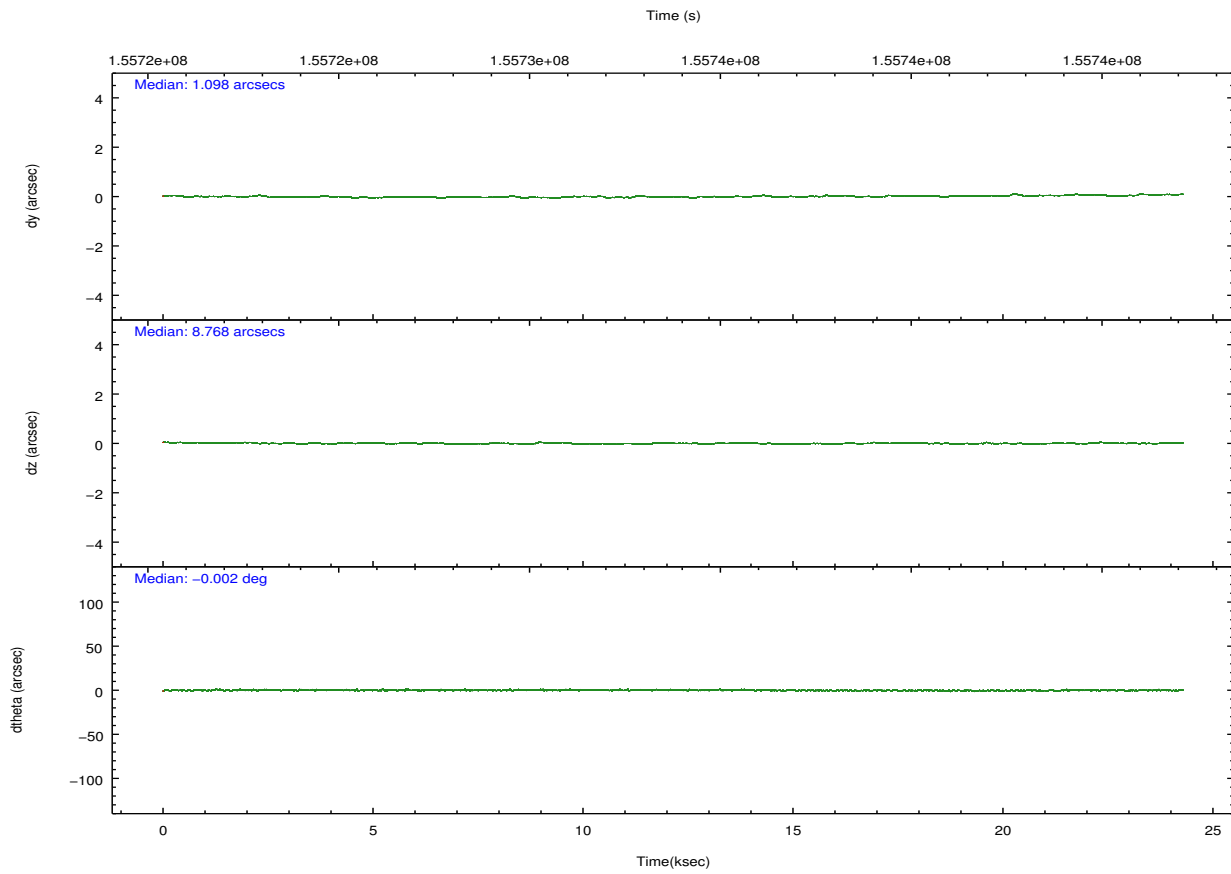
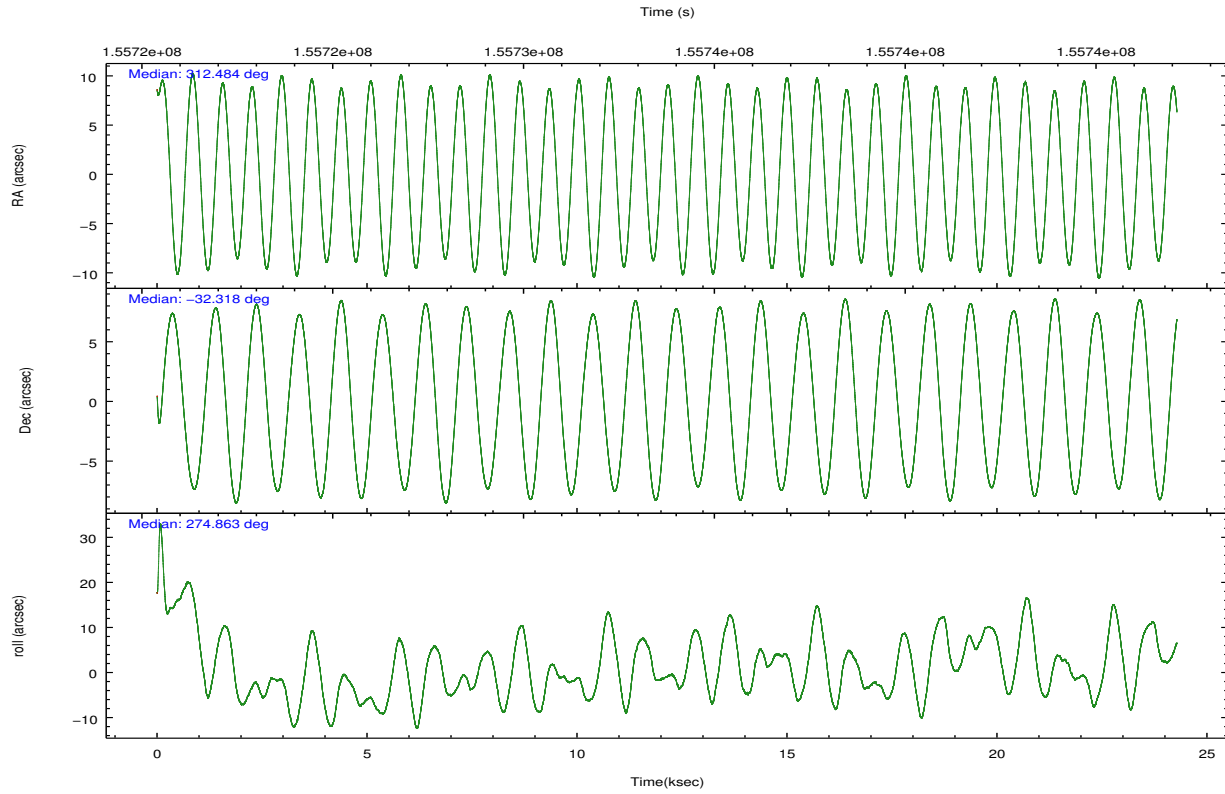
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4579	5131	4865	10448	4656
	3%	4%	3%	7%	3%
grade 1 events	56	57	66	83	48
	0%	0%	0%	0%	0%
grade 2 events	2805	2864	2822	3181	2768
	2%	2%	2%	2%	2%
grade 3 events	1476	1587	1360	1608	1514
	1%	1%	1%	1%	1%
grade 4 events	1395	1558	1397	1601	1401
	1%	1%	1%	1%	1%
grade 5 events	4262	4532	4072	4762	4715
	3%	3%	3%	3%	3%
grade 6 events	2369	2783	2294	2392	2650
	2%	2%	1%	1%	2%
grade 7 events	97982	97980	114489	108058	108210
	85%	84%	87%	81%	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	312.465791	312.4844350458583	Subarray requested	NONE	NONE
[deg] Pointing Dec	-32.295502	-32.31789126132801	Alternating exposures requested	N	N
[deg] Pointing Roll	274.648818	274.8674569953954	[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	-227.742463	-227.734108438797			
[mm] SIM translation stage offset	-5.85	-5.858344564132665			
[s] Observation start time (MET)	155721902.184000	155720892.63189			
Observation start date	2002-12-08T08:03:58	2002-12-08T07:48:12			
[s] Observation end time (MET)	155745902.184000	155746691.88297			
Observation end date	2002-12-08T14:43:58	2002-12-08T14:58:11			
Read mode	TIMED	TIMED			

2.3 Aspect





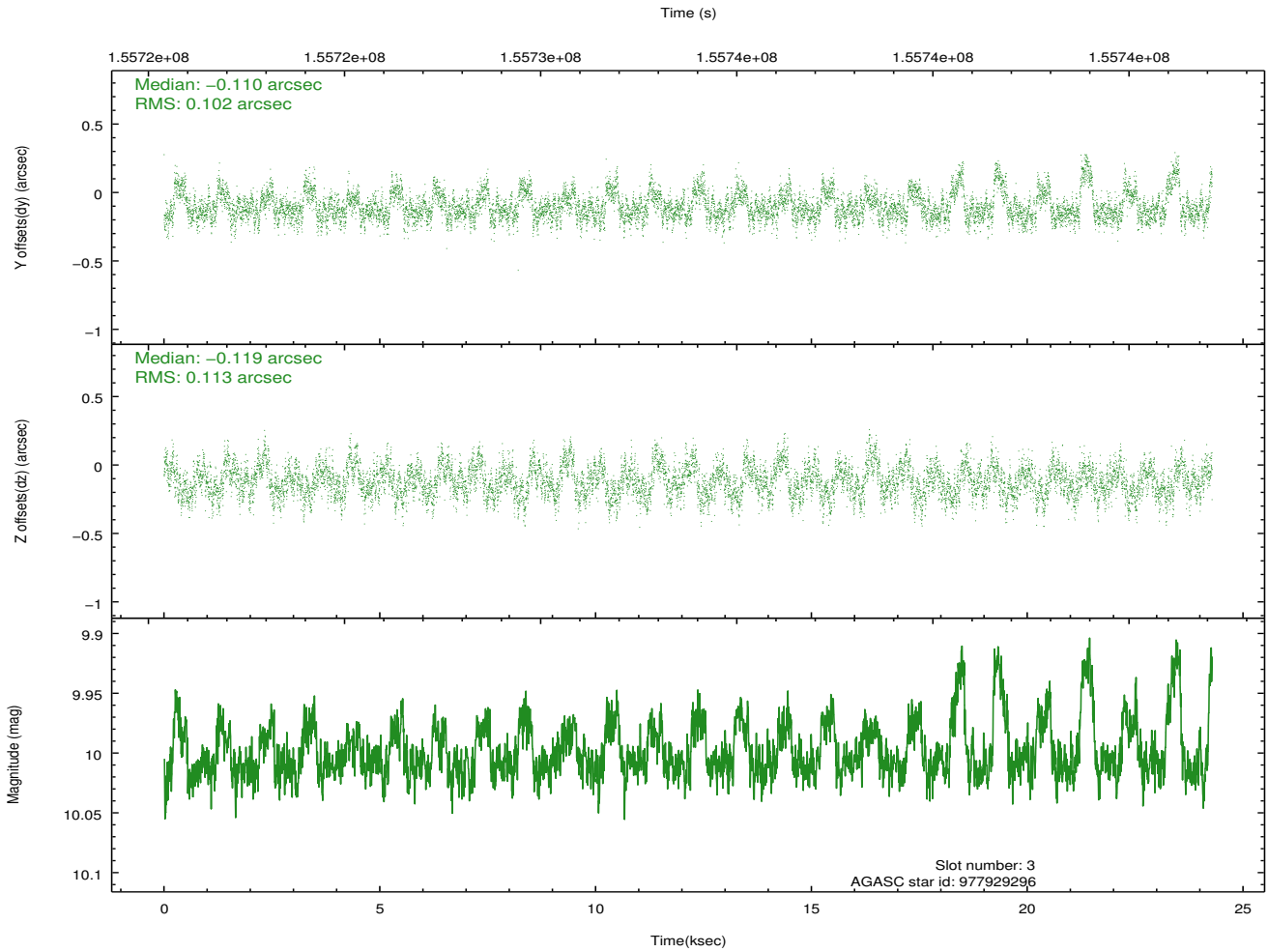
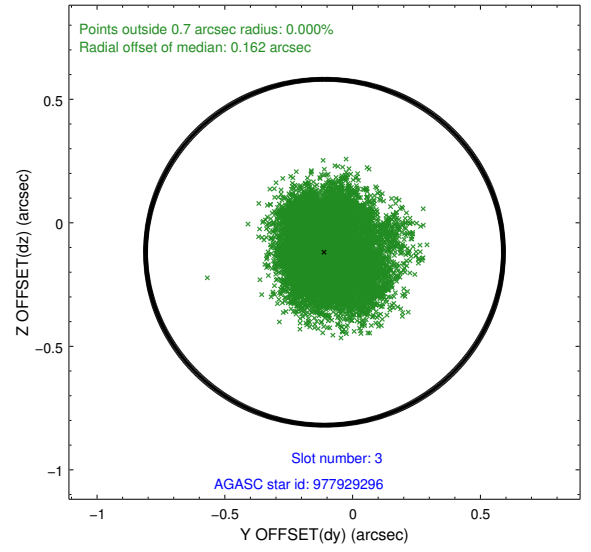
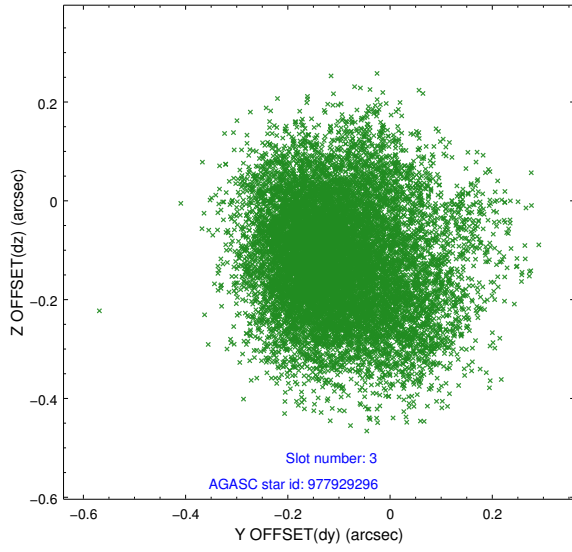
Slot Statistics

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	5923	0.032	-0.002	0.007	0.011	0.000000	0.000000	938.65	-952.46
1	FID	ACIS-I-5	7.24	5923	-0.162	0.052	0.007	0.012	0.000000	0.000000	-1809.56	945.02
2	FID	ACIS-I-6	7.26	5923	0.038	0.021	0.008	0.013	0.000000	0.000000	404.08	1589.63
3	GUIDE	977929296	10.00	11811	-0.110	-0.119	0.161	0.266	311.692079	-31.909619	-1567.29	-2244.63
4	GUIDE	977933384	9.30	11840	0.043	-0.128	0.083	0.141	311.943152	-32.559926	824.60	-1657.93
5	GUIDE	978060760	9.36	11844	0.112	0.157	0.100	0.158	312.956910	-32.611979	1260.19	1392.27
6	GUIDE	978062128	9.77	11829	0.093	0.145	0.116	0.188	312.915446	-32.136983	-454.23	1412.94
7	GUIDE	977416456	7.15	11844	-0.153	-0.057	0.054	0.091	312.662713	-31.725622	-1995.07	767.66

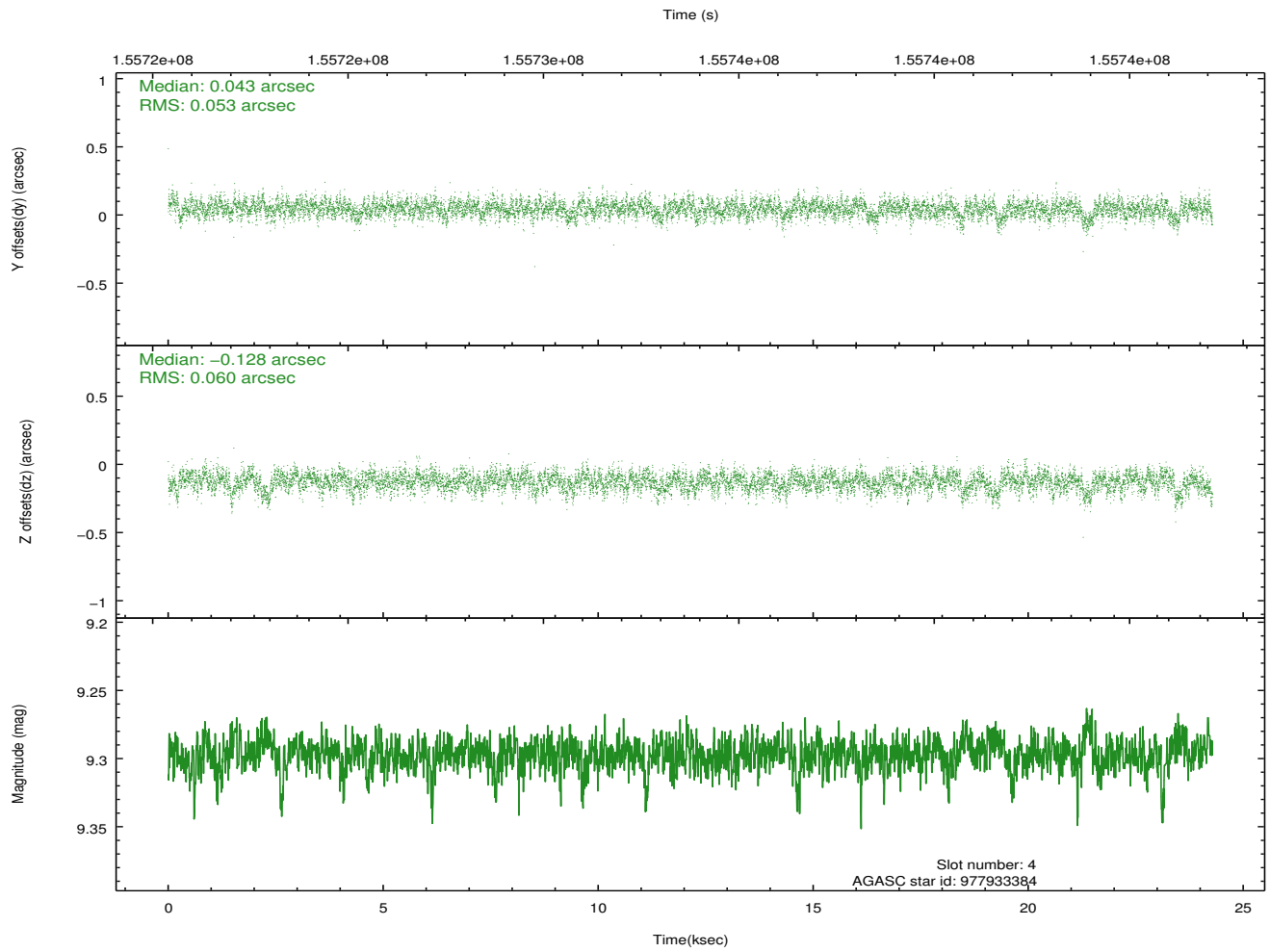
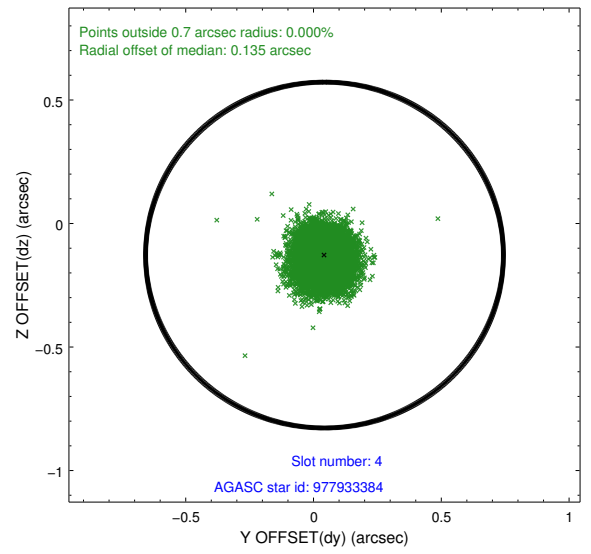
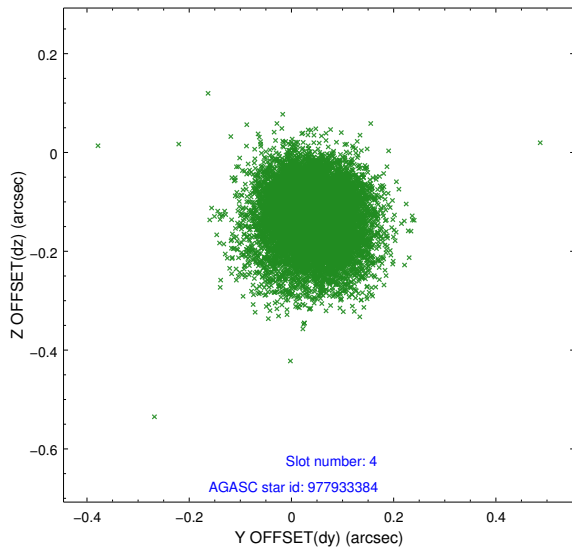
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2.4 Star Slots

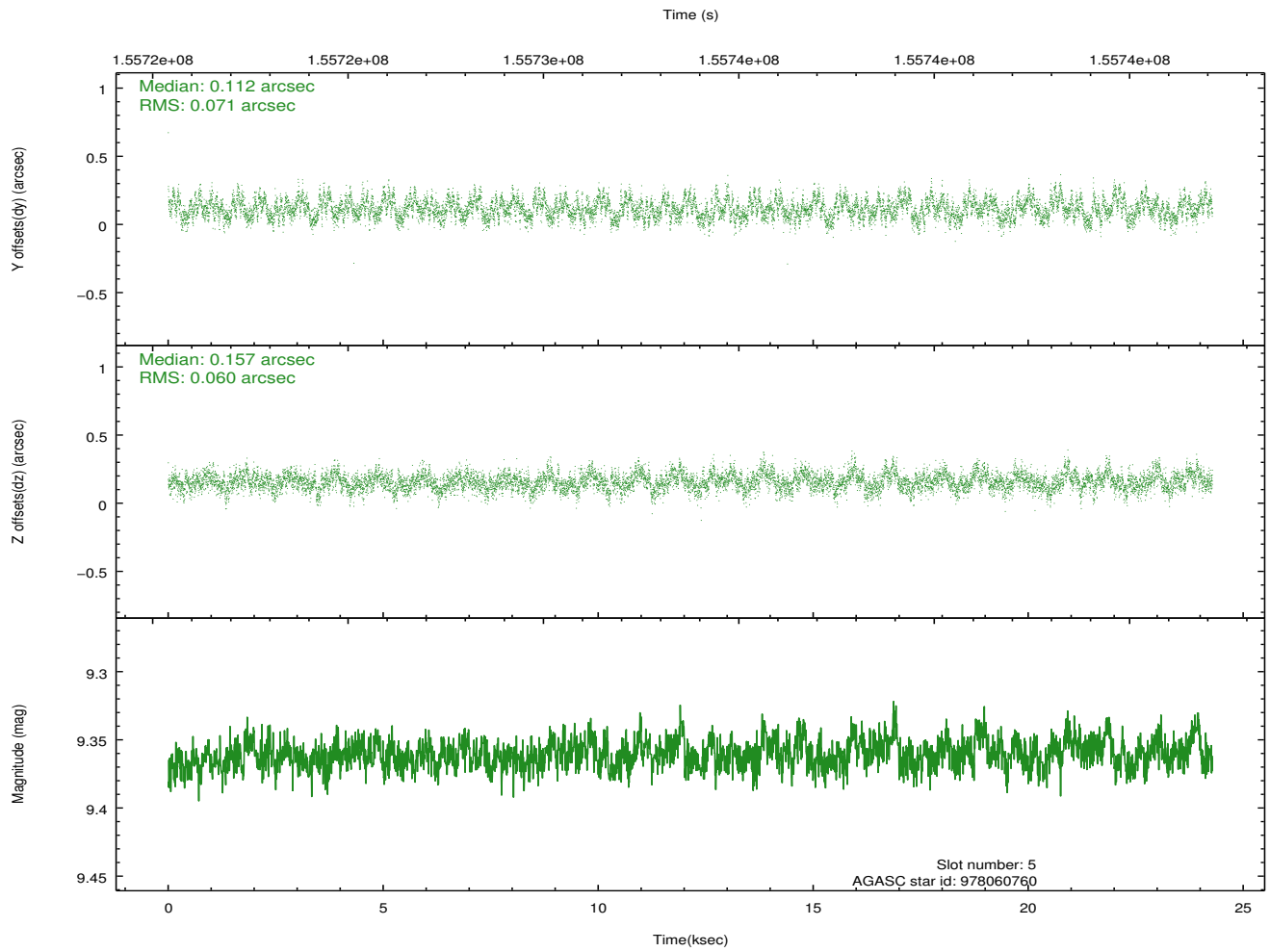
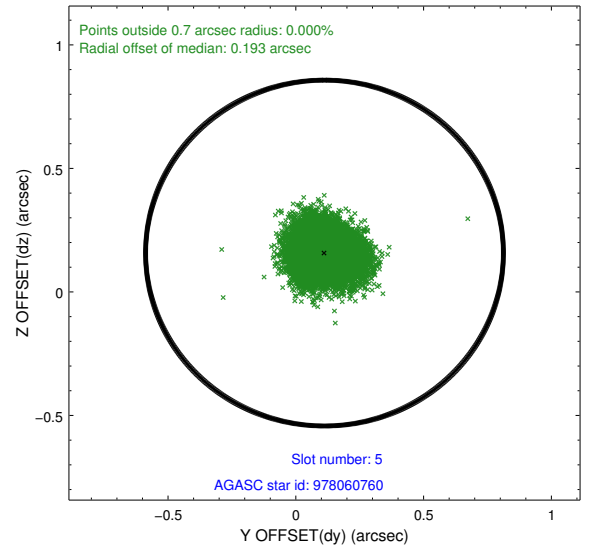
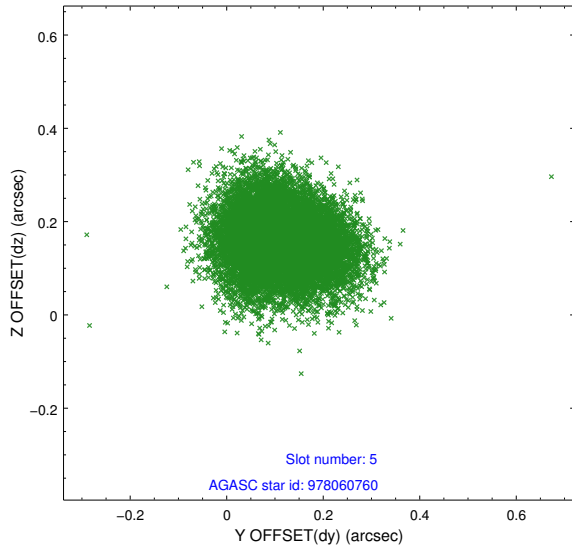
2.4.1 Slot 3



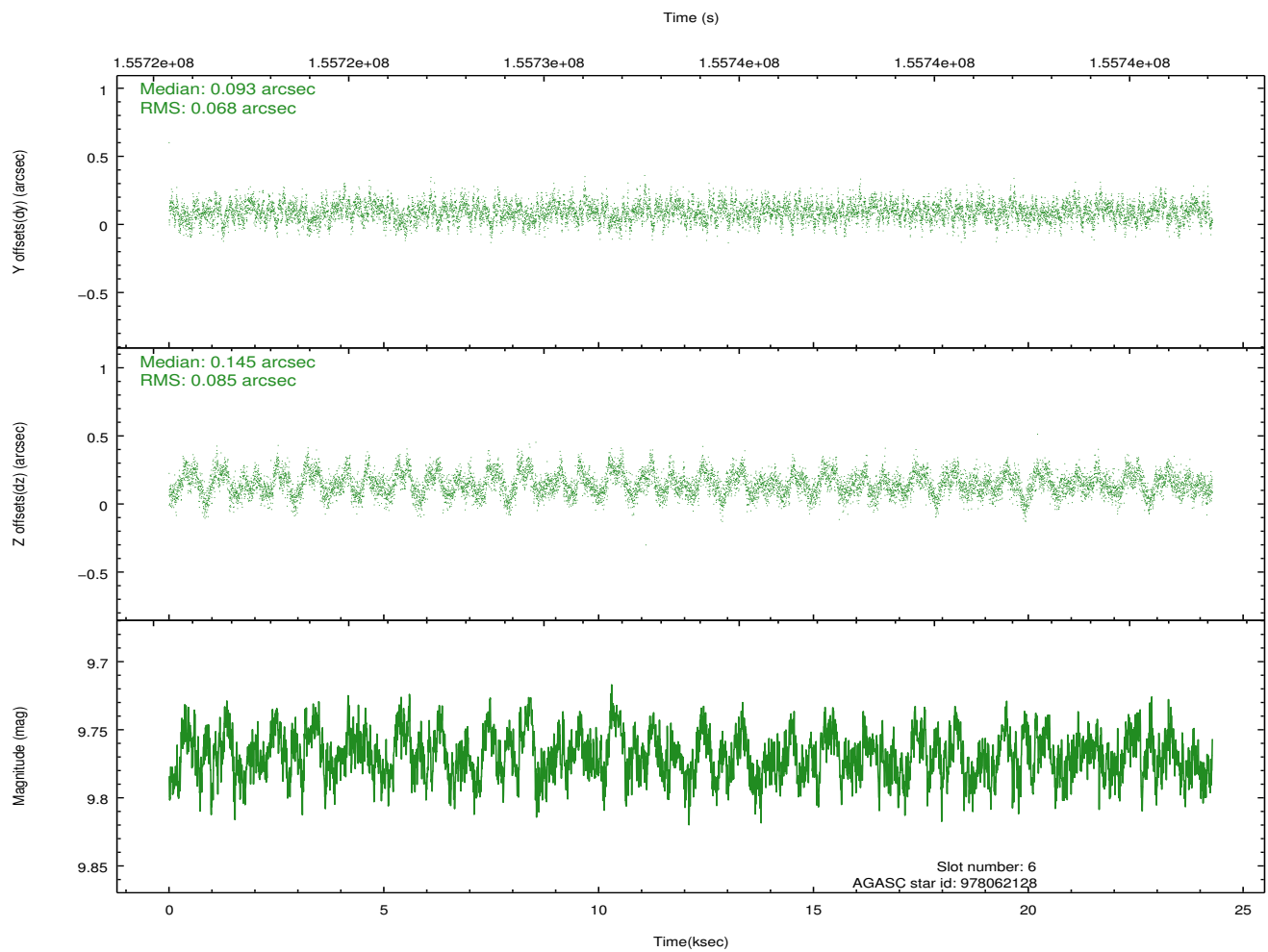
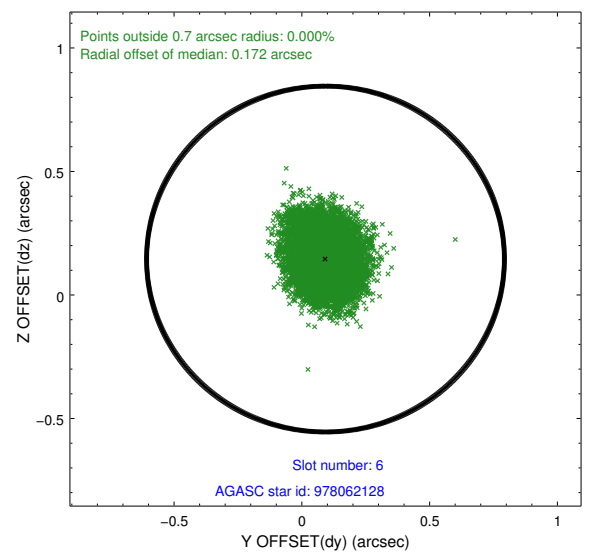
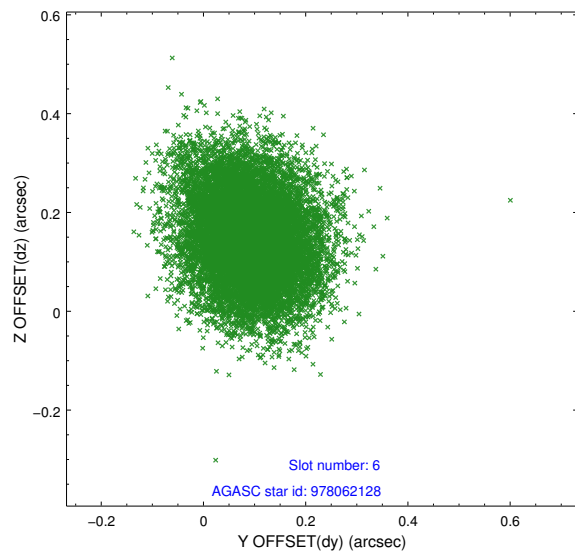
2.4.2 Slot 4



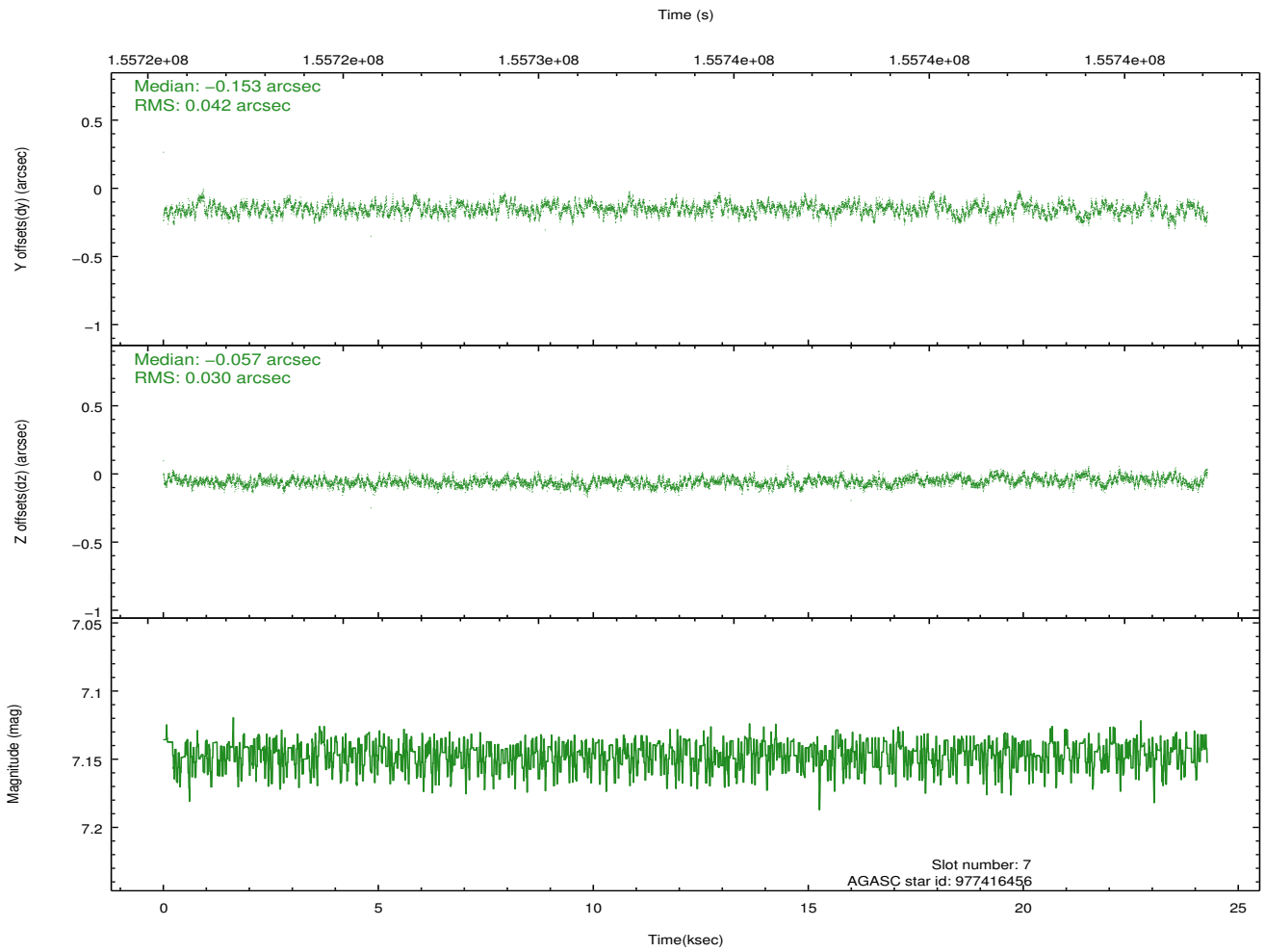
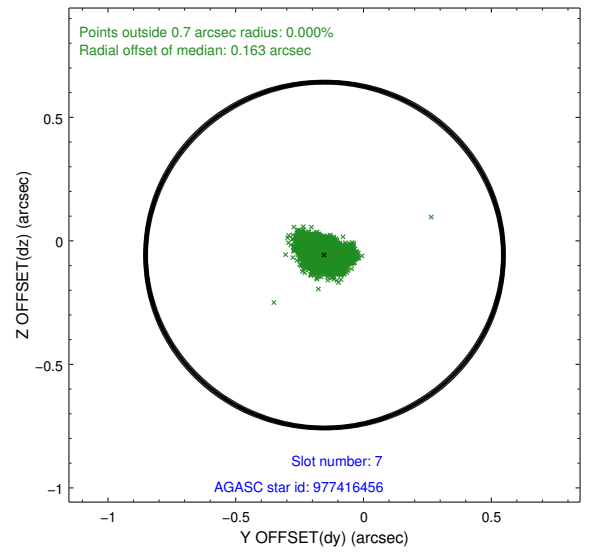
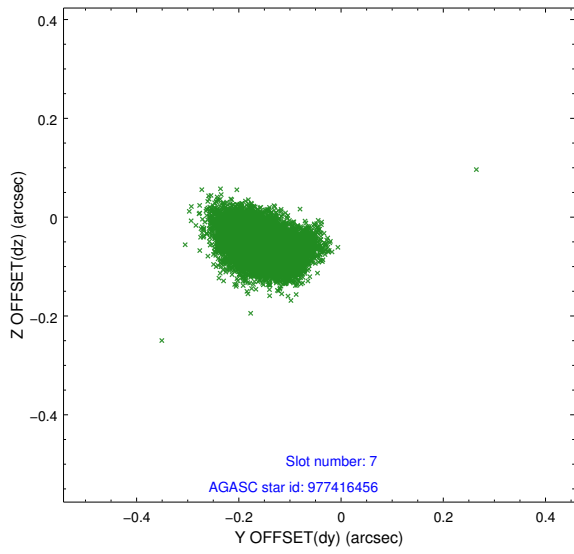
2.4.3 Slot 5



2.4.4 Slot 6

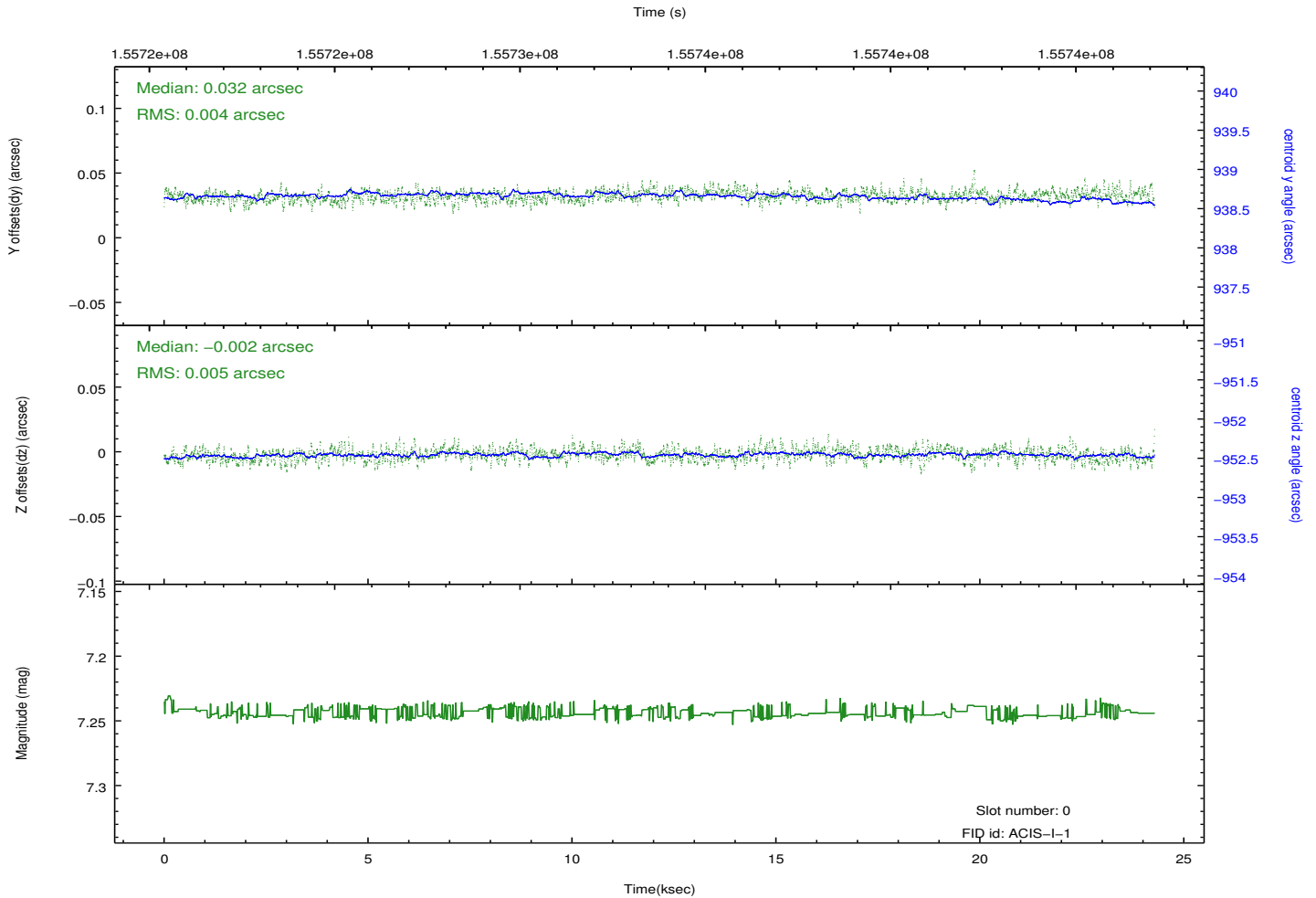
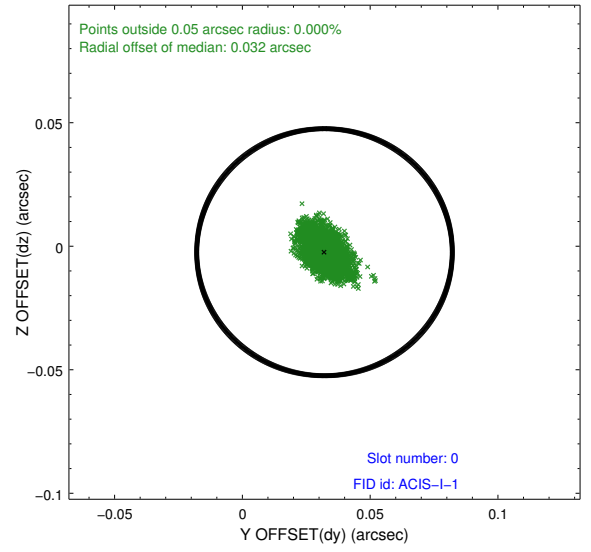
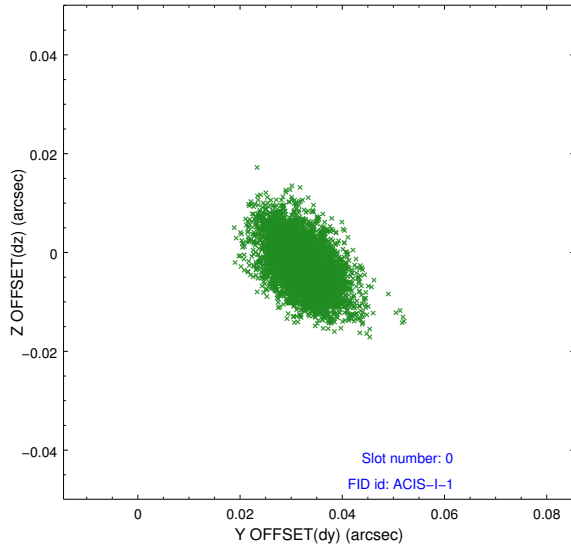


2.4.5 Slot 7

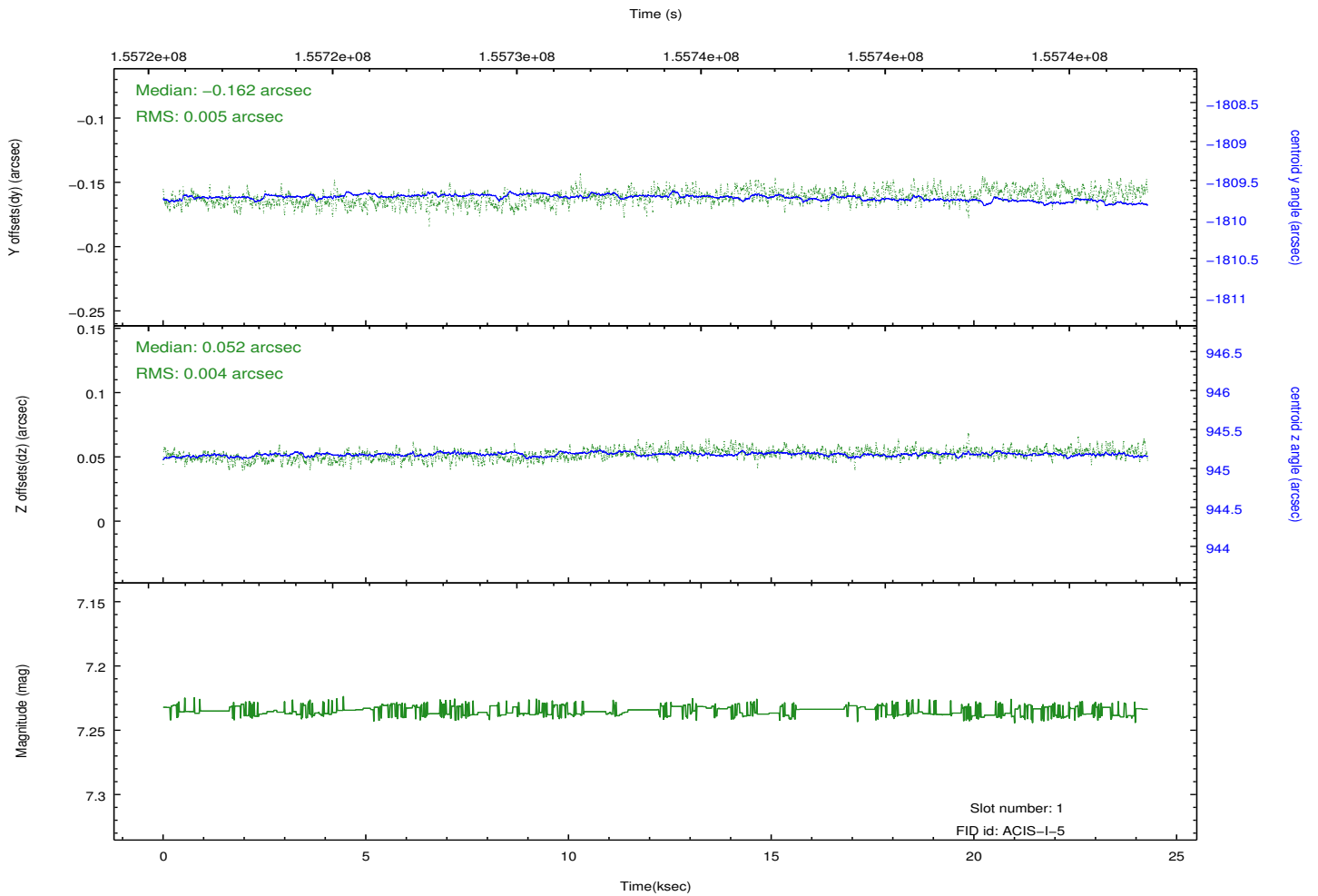
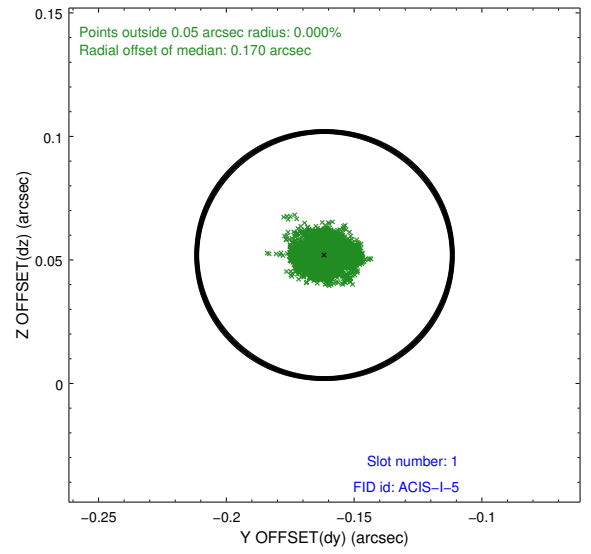
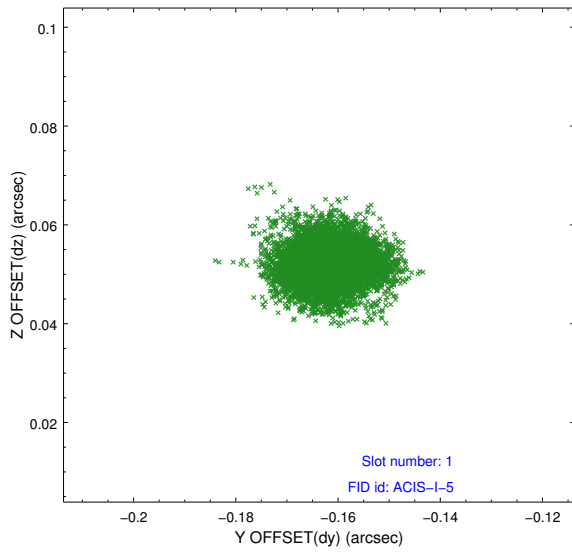


2.5 FID Slots

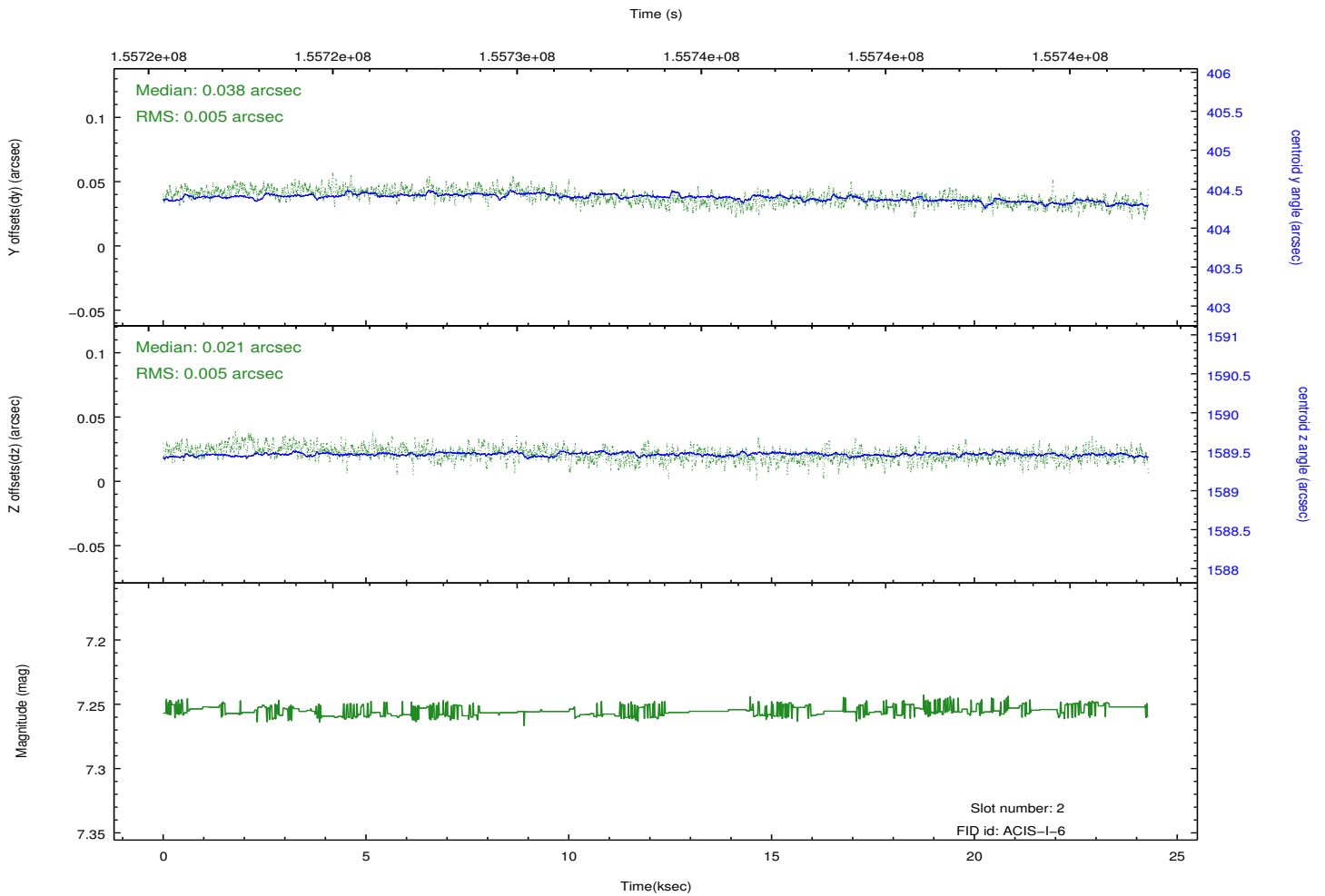
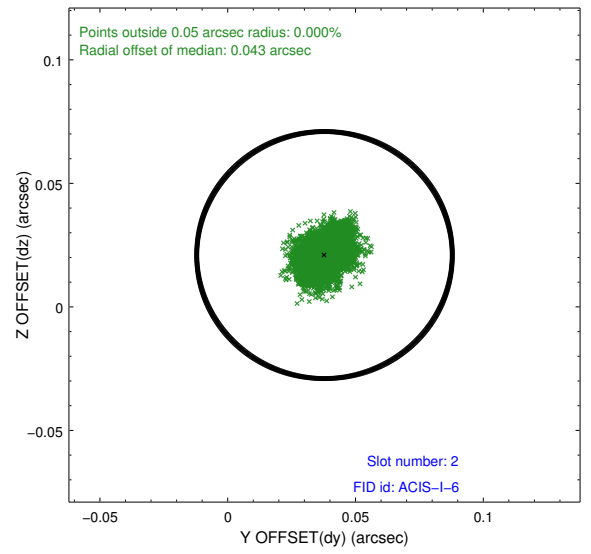
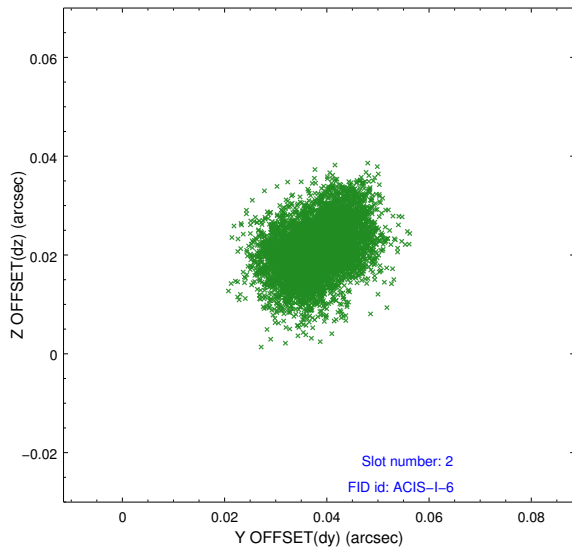
2.5.1 Slot 0



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)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.114

A.2 Comments