

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16175 - L2 Version 1
Chandra X-Ray Center

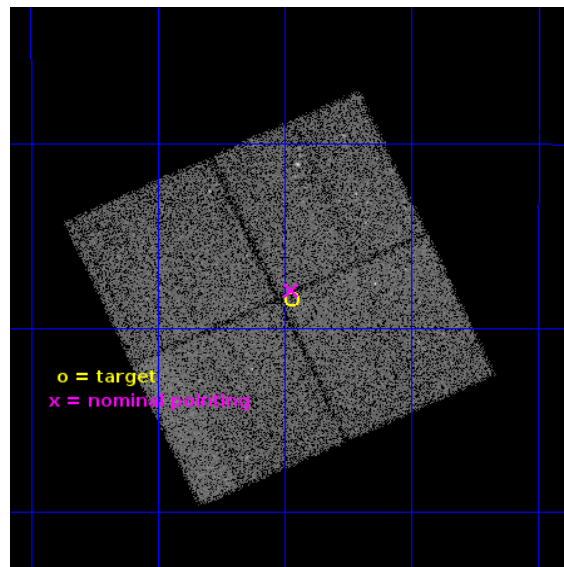
L2 Processing Date : Oct 4 2014

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1 Front

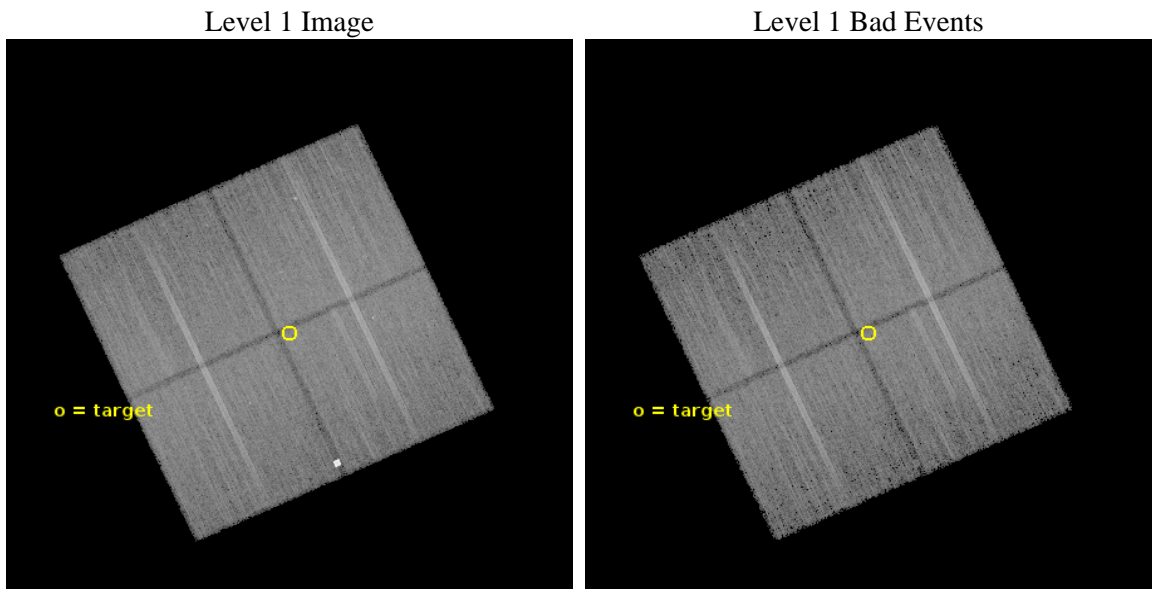
seq_num	901115	Sequence number
obs_id	16175	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. W.N. Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.117083	Observer's specified target RA [deg]
dec_targ	-27.807333	Observer's specified target Dec [deg]
ra_nom	53.118276230176	Nominal RA [deg]
dec_nom	-27.799211393722	Nominal Dec [deg]
roll_nom	65.209257233078	Nominal Roll [deg]
revision	1	Processing version of data
ontime	53791.200413704	Sum of GTIs [s]
livetime	53088.378779793	Livetime [s]
ontime0	53788.059383333	Sum of GTIs [s]
ontime1	53788.059373319	Sum of GTIs [s]
ontime2	53781.777302563	Sum of GTIs [s]
ontime3	53791.200413704	Sum of GTIs [s]
l2events	105001	Number of level 2 events



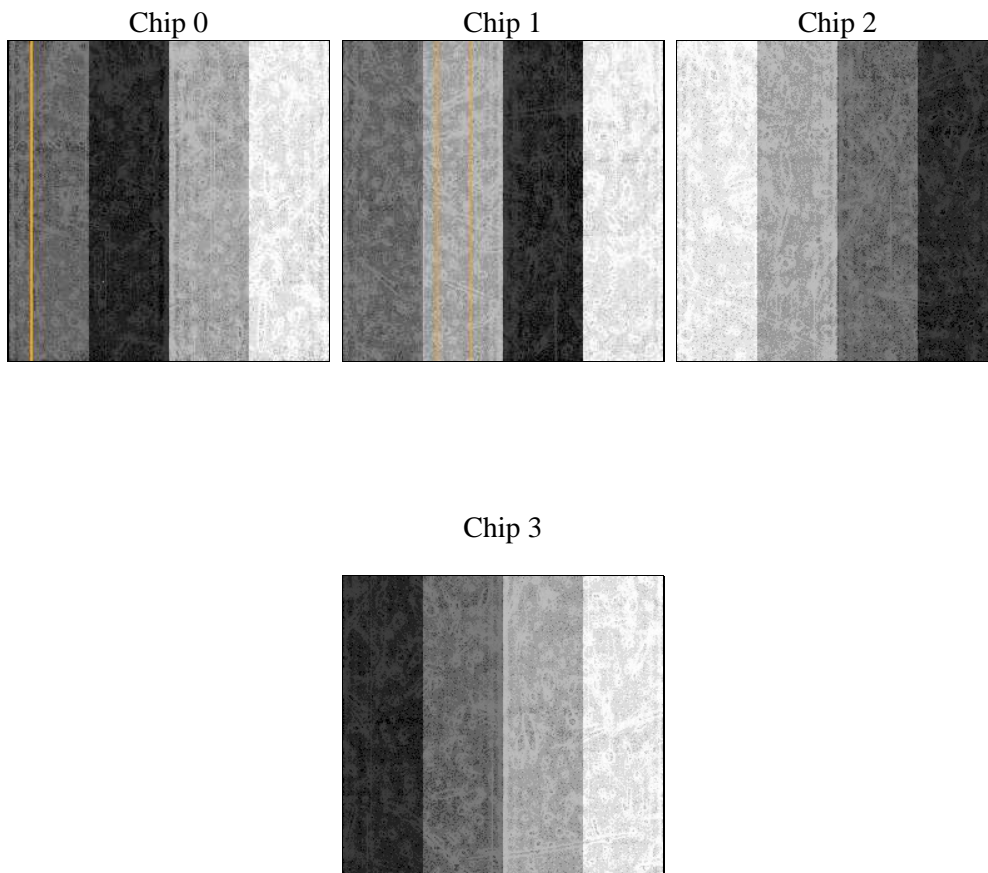
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	53700.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	53791.200413704	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	53788.059383333	Sum of GTIs [s]
date	2014-10-04T20:15:30	Date and time of file creation	ontime1	53788.059373319	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	53781.777302563	Sum of GTIs [s]
			ontime3	53791.200413704	Sum of GTIs [s]
			l1events	1009713	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	234618	259039	261492	254564
rejected events	203788	208362	230365	225195
rejected %	86%	80%	88%	88%

	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	10131	28037	11133	10194
	4%	10%	4%	4%
grade 1 events	135	169	131	158
	0%	0%	0%	0%
grade 2 events	7898	8368	7583	6557
	3%	3%	2%	2%
grade 3 events	3298	3320	3128	3175
	1%	1%	1%	1%
grade 4 events	3053	3408	3164	3166
	1%	1%	1%	1%
grade 5 events	12425	13195	12045	14350
	5%	5%	4%	5%
grade 6 events	6456	7550	6121	6281
	2%	2%	2%	2%
grade 7 events	191222	194992	218187	210683
	81%	75%	83%	82%

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	53.121220	53.11827623017609	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.826695	-27.79921139372187	Alternating exposures requested	N	N
[deg] Pointing Roll	65.001928	65.20925723307761	[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)	528736172.184000	528734833.74711			
Observation start date	2014-10-03T15:08:25	2014-10-03T14:47:13			
[s] Observation end time (MET)	528789872.184000	528790394.3877			
Observation end date	2014-10-04T06:03:25	2014-10-04T06:13:14			
Read mode	TIMED	TIMED			

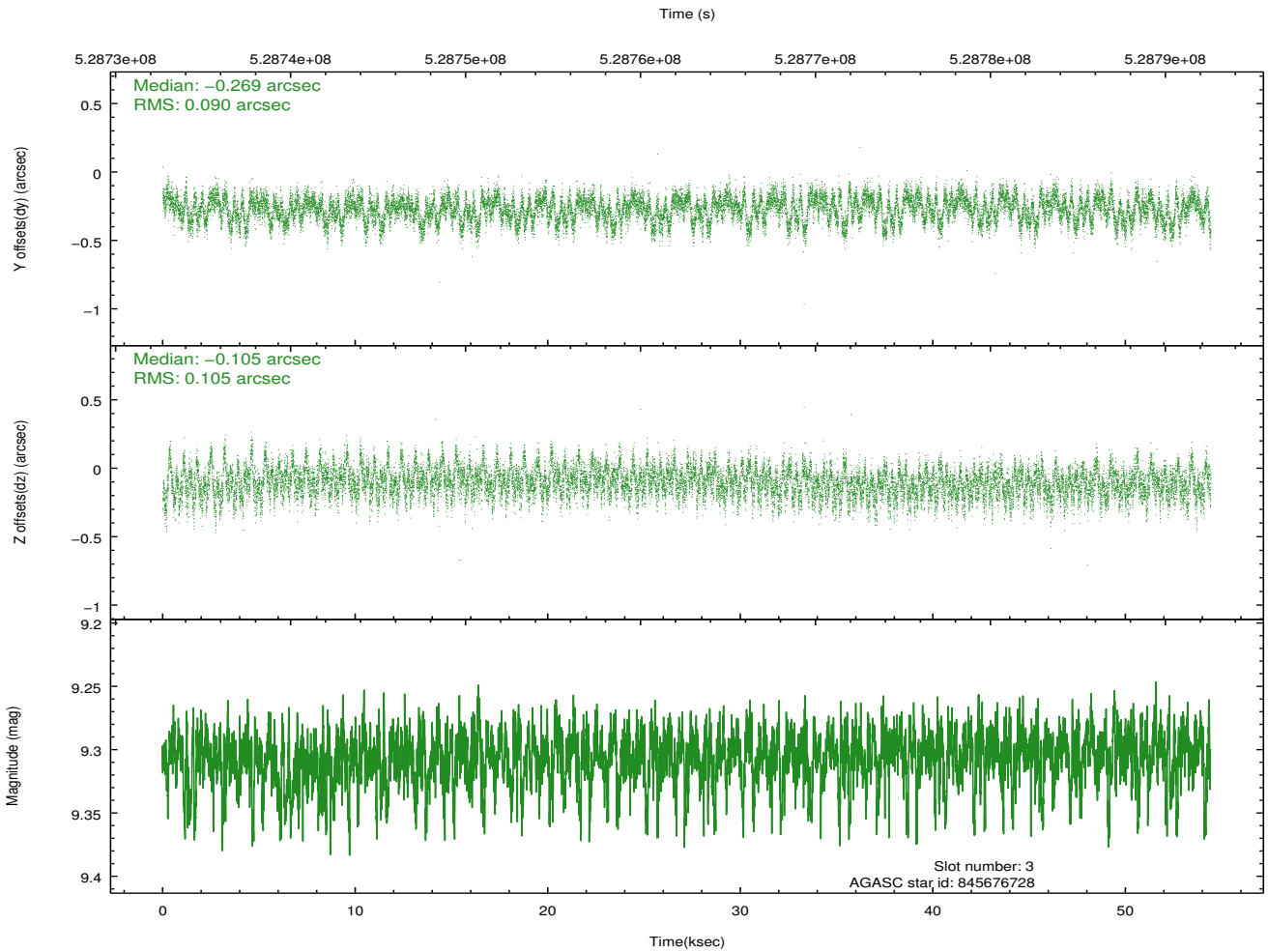
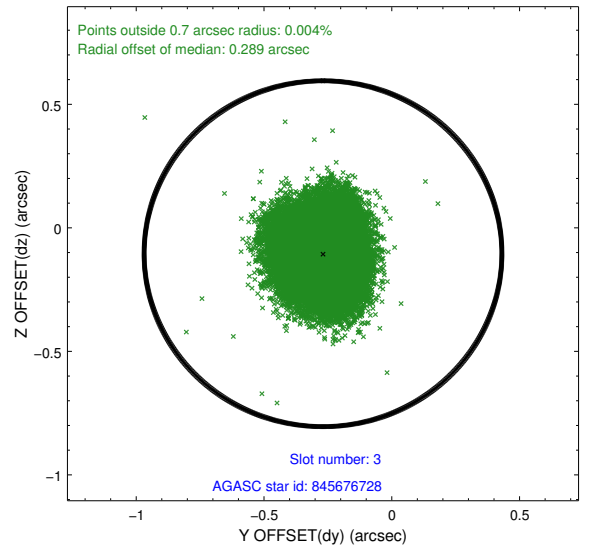
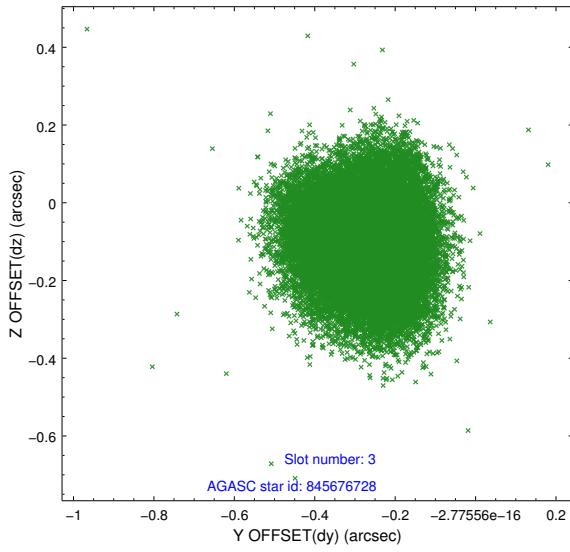
2.3 Aspect

Slot Statistics

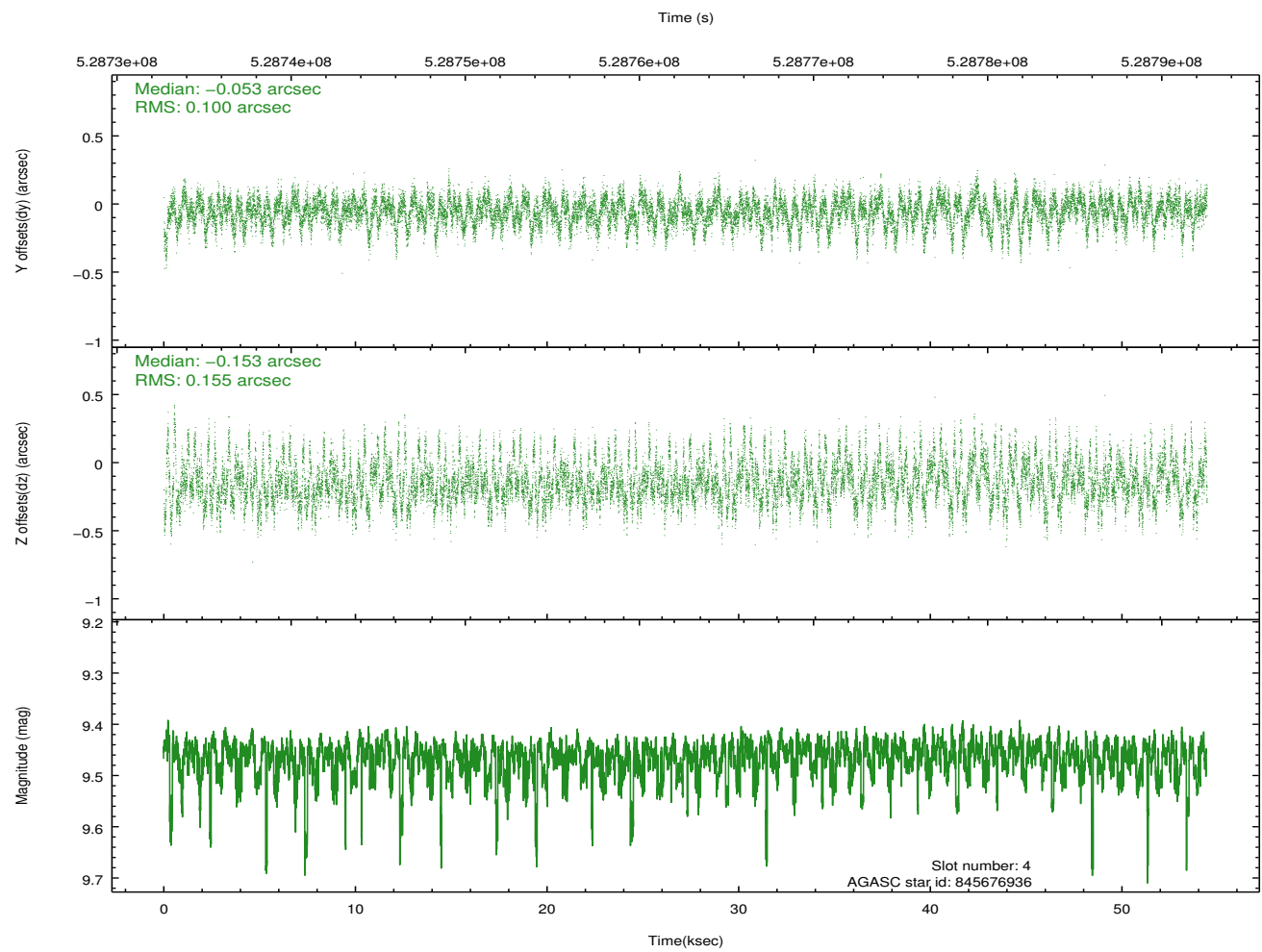
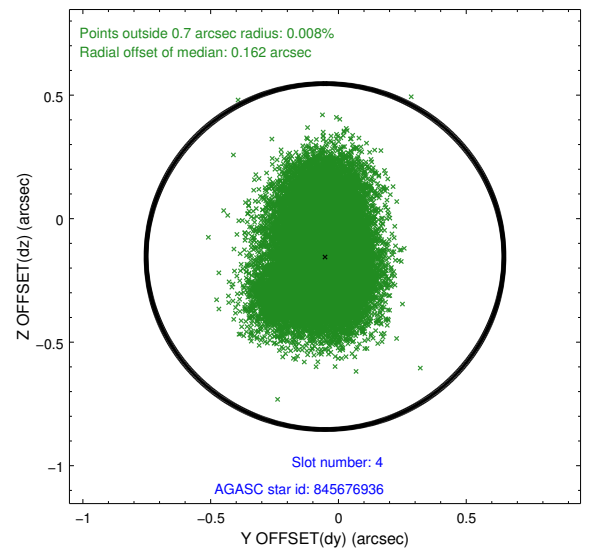
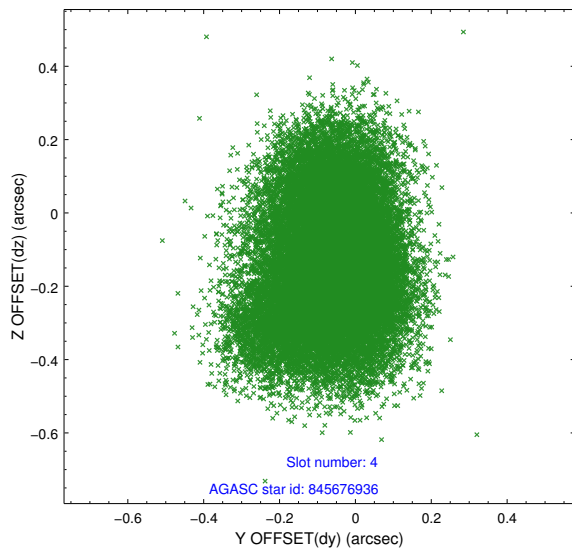
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.14	13275	0.052	-0.027	0.011	0.023	0.000000	0.000000	913.69	-844.50
1	FID	ACIS-I-5	7.12	13277	-0.292	0.030	0.009	0.017	0.000000	0.000000	-1834.84	1052.98
2	FID	ACIS-I-6	7.13	13277	0.149	0.067	0.008	0.014	0.000000	0.000000	379.28	1697.55
3	GUIDE	845676728	9.31	26534	-0.269	-0.105	0.149	0.233	52.877179	-27.664318	200.47	951.91
4	GUIDE	845676936	9.46	26519	-0.053	-0.153	0.195	0.328	52.843773	-27.880153	-547.61	718.05
5	GUIDE	845807880	8.81	26546	0.410	0.250	0.120	0.196	53.382027	-27.886093	156.79	-842.49
6	GUIDE	845808496	10.16	26348	0.503	0.439	0.230	0.373	53.777917	-27.725281	1210.95	-1744.27
7	BAD	845808968	9.91	25089	-0.586	-0.472	0.214	0.361	54.016598	-27.589085	1973.70	-2231.87

2.4 Star Slots

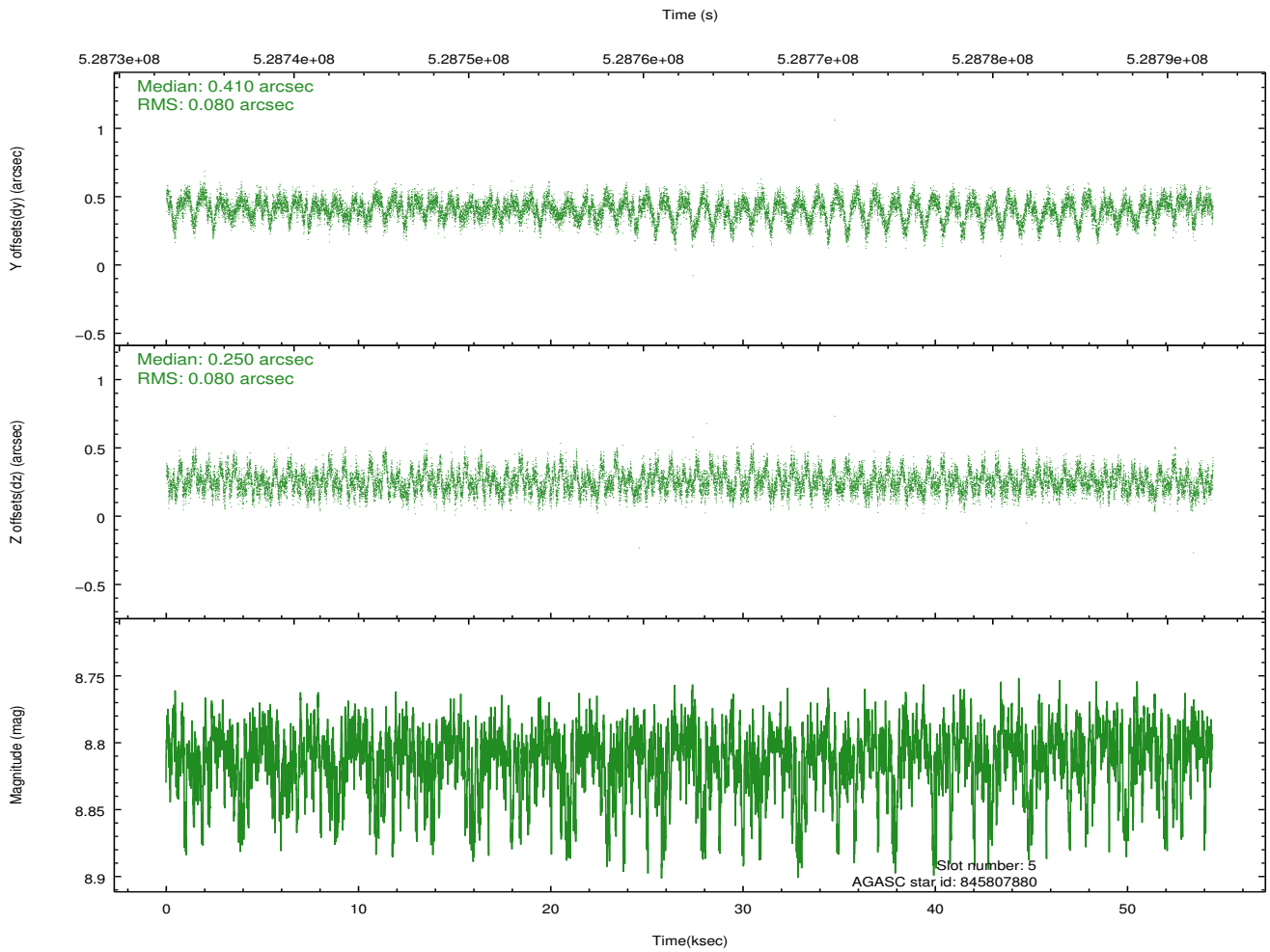
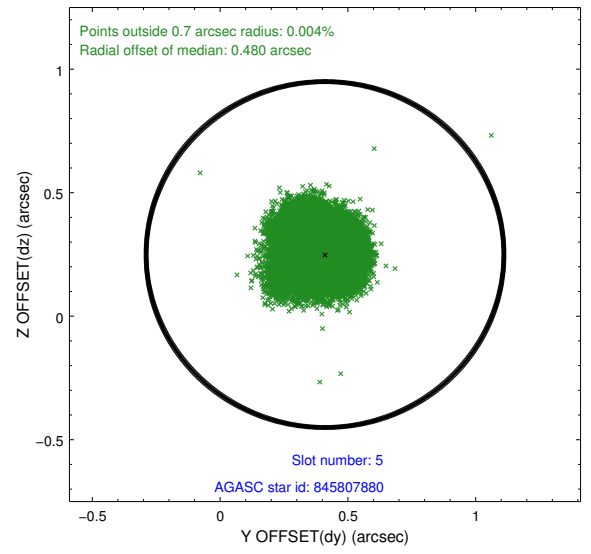
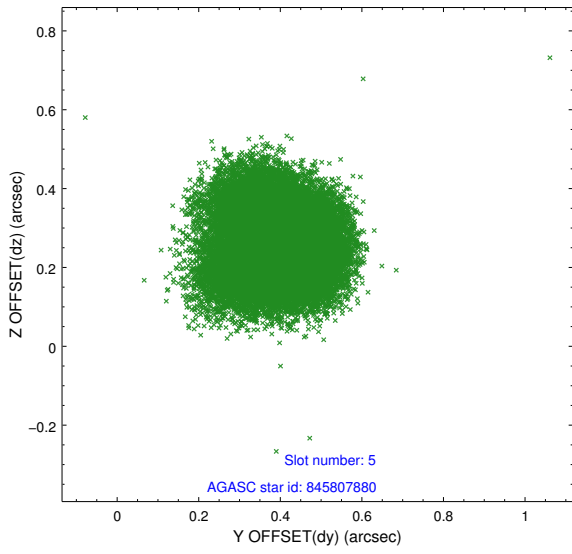
2.4.1 Slot 3



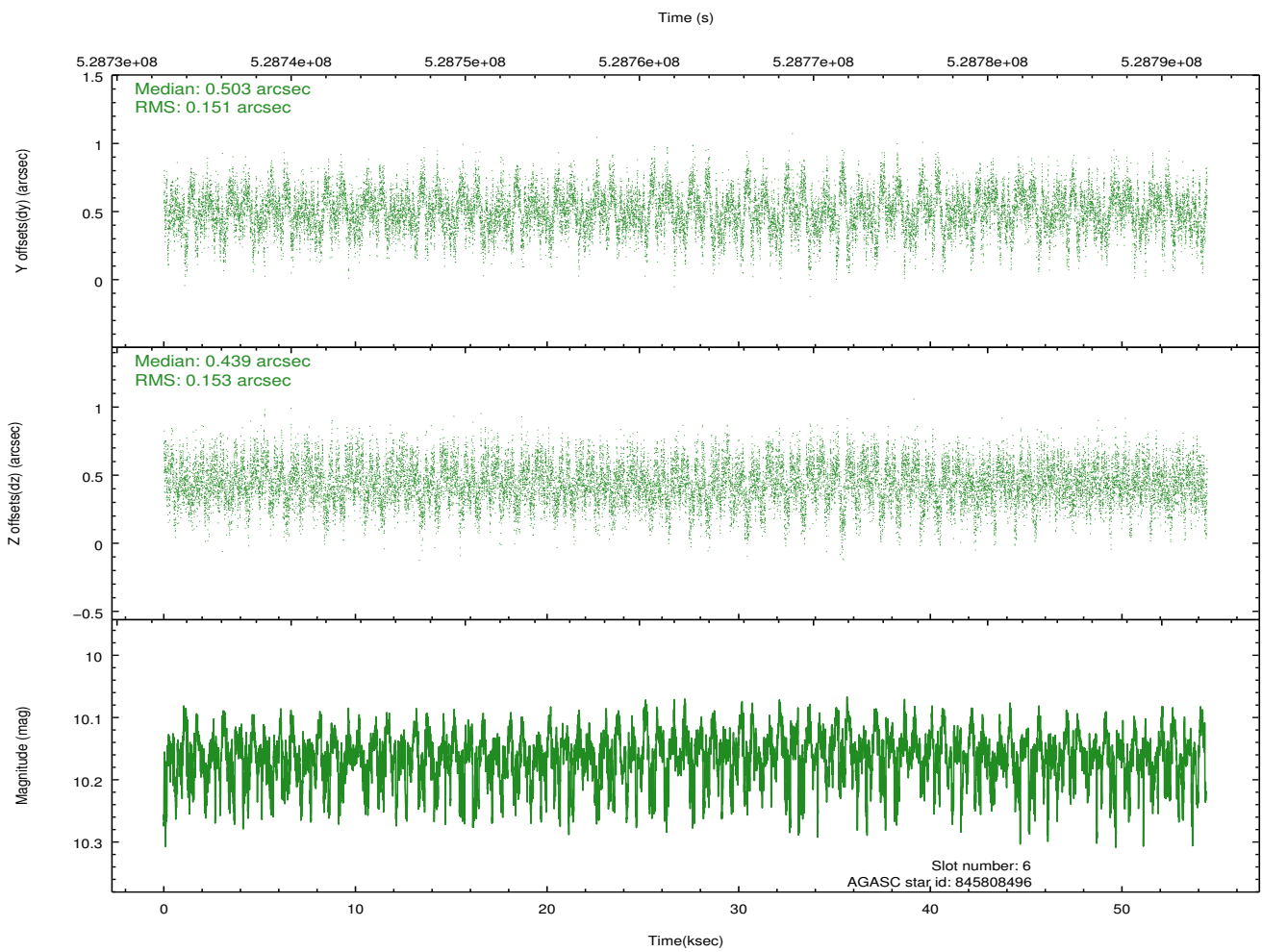
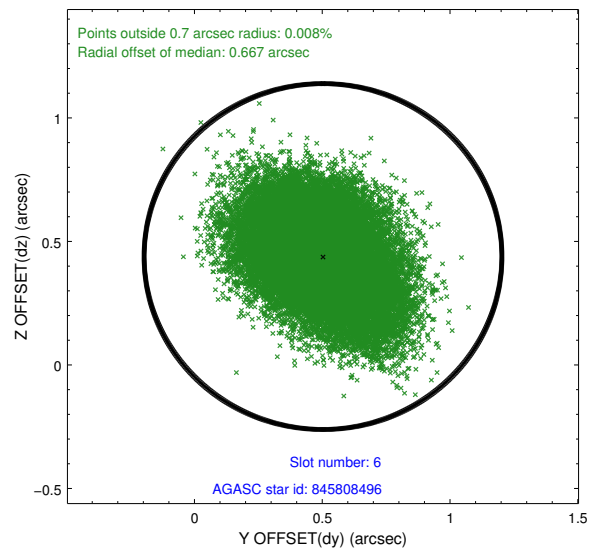
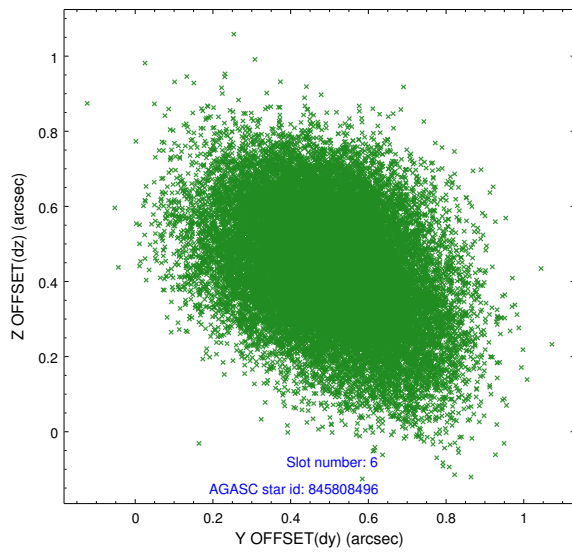
2.4.2 Slot 4



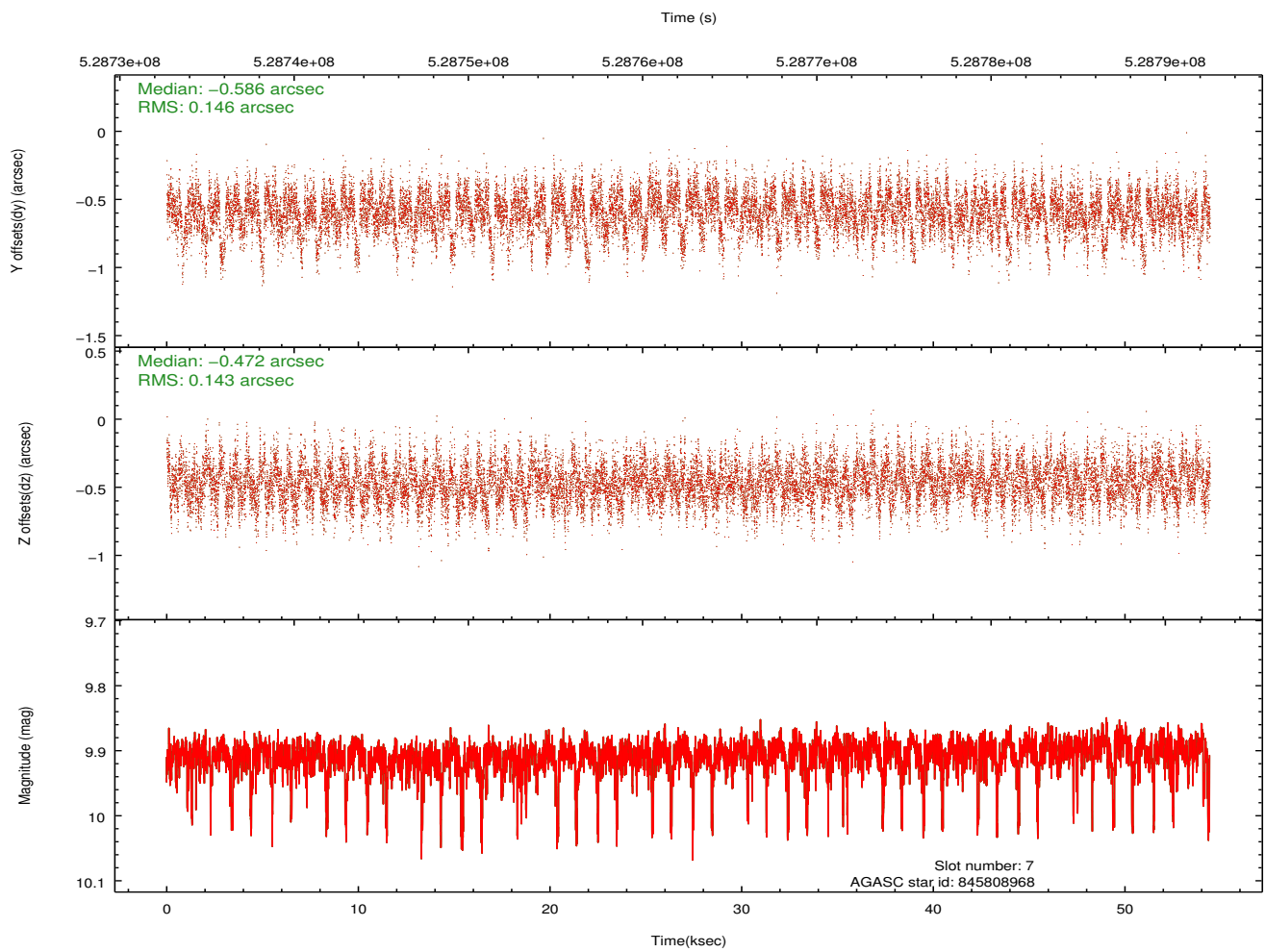
2.4.3 Slot 5



2.4.4 Slot 6

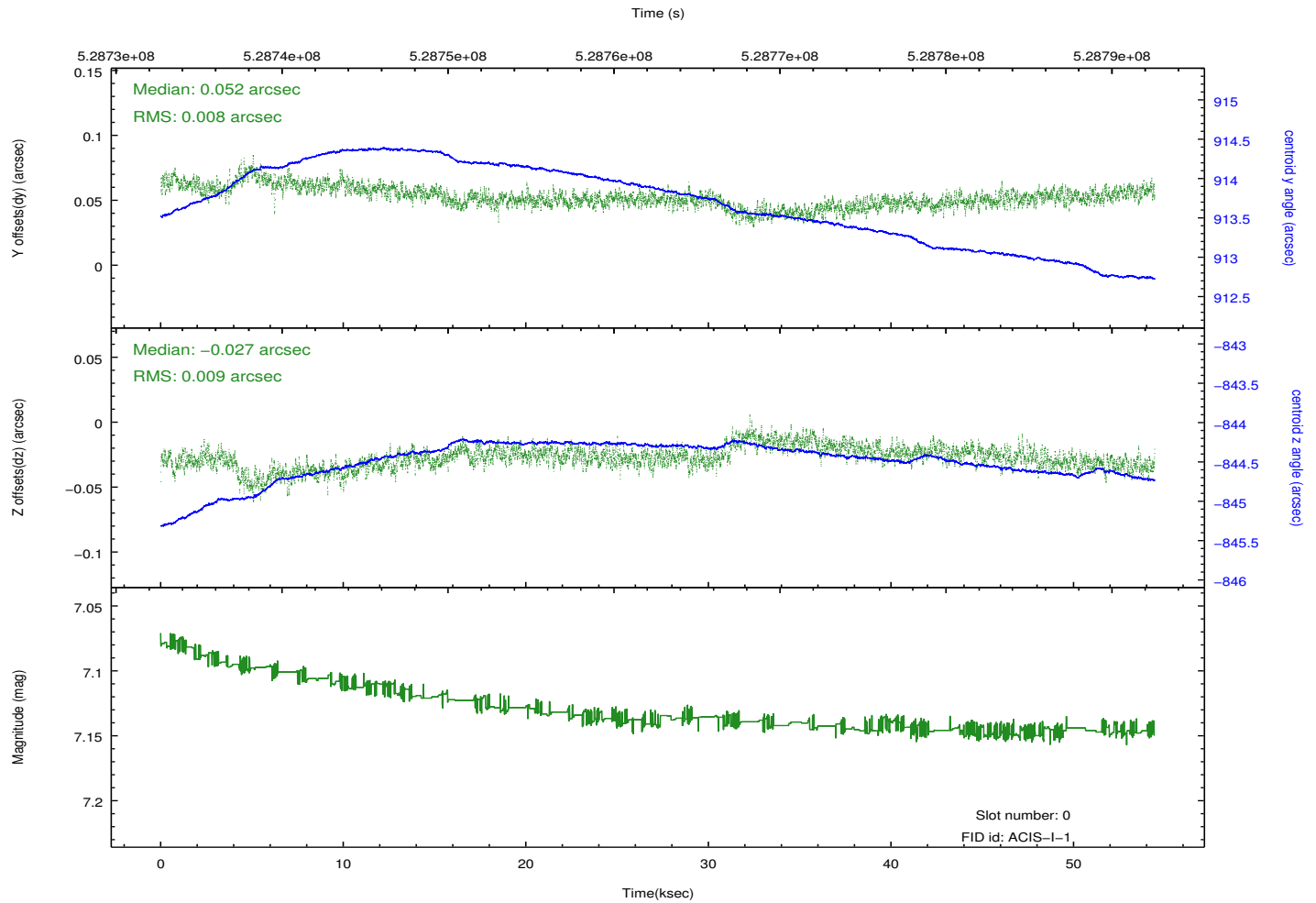
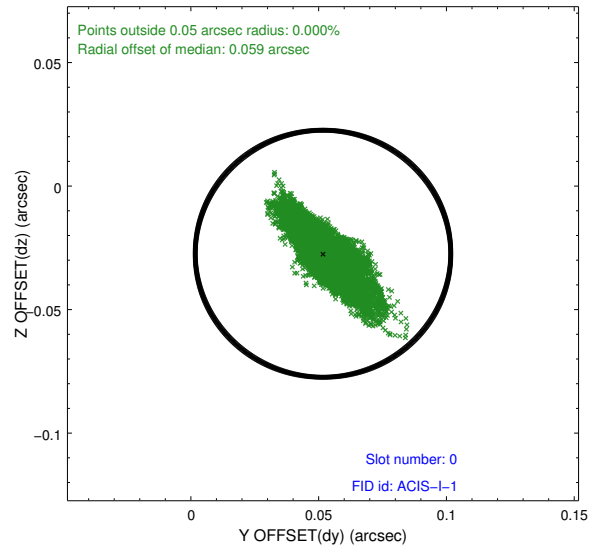
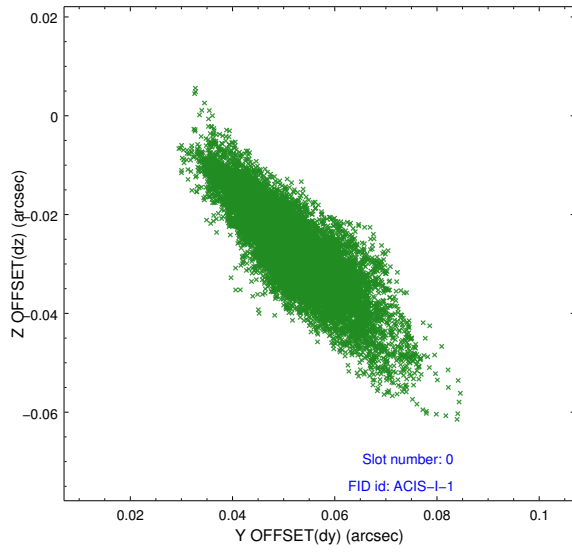


2.4.5 Slot 7

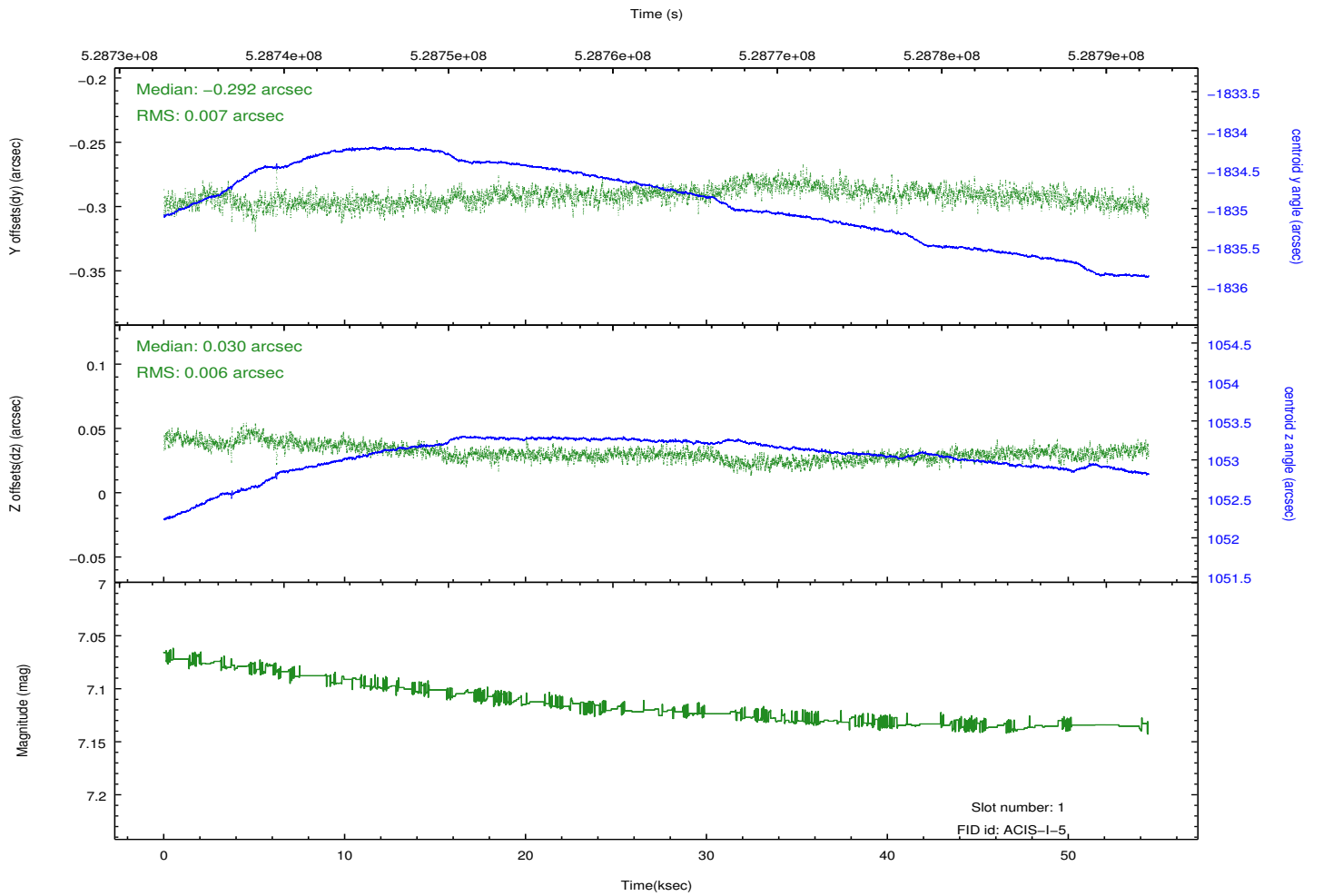
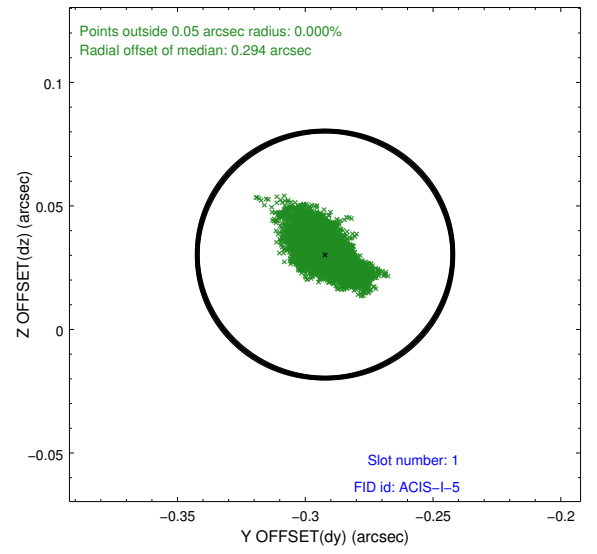
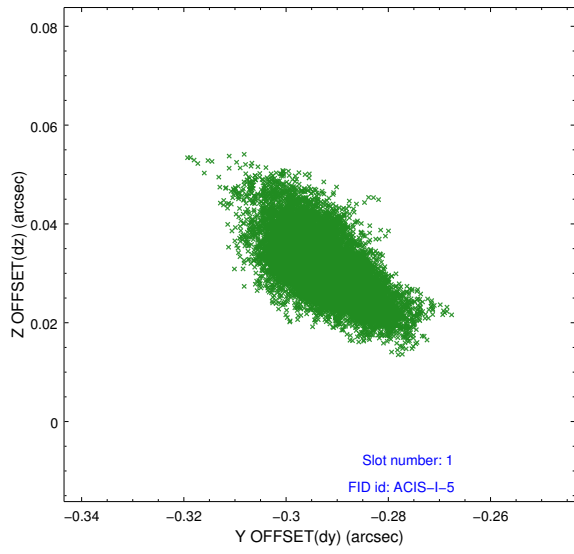


2.5 FID Slots

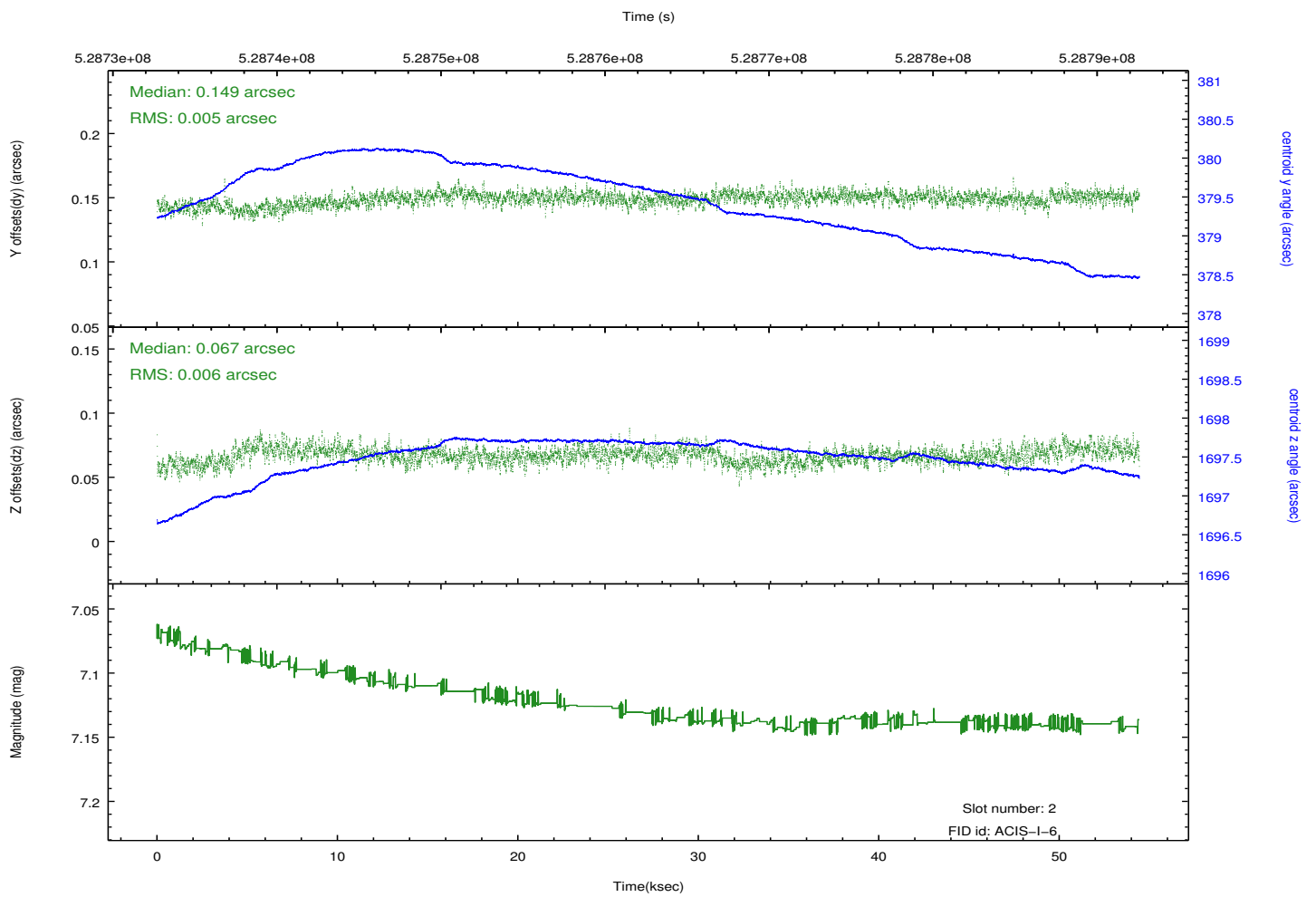
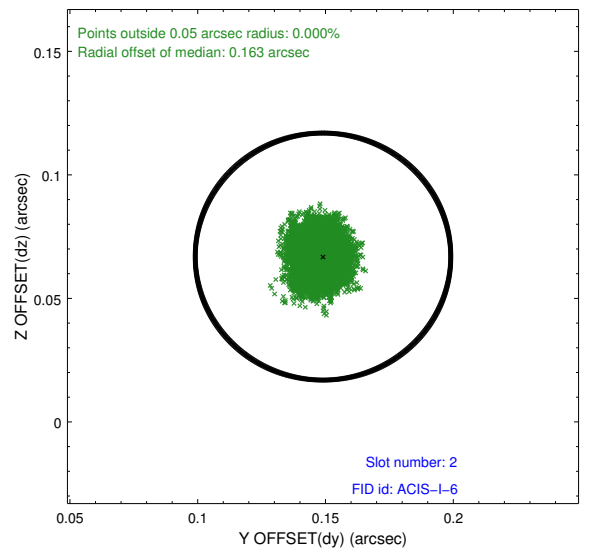
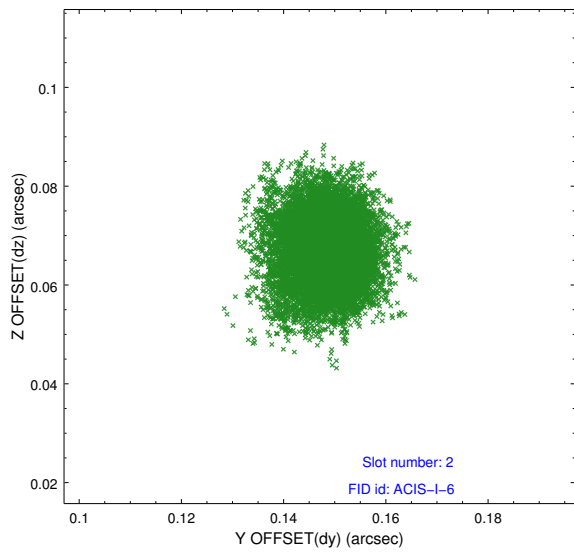
2.5.1 Slot 0



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)	2014.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	53.791200413704

A.2 Comments