

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16456 - L2 Version 1
Chandra X-Ray Center

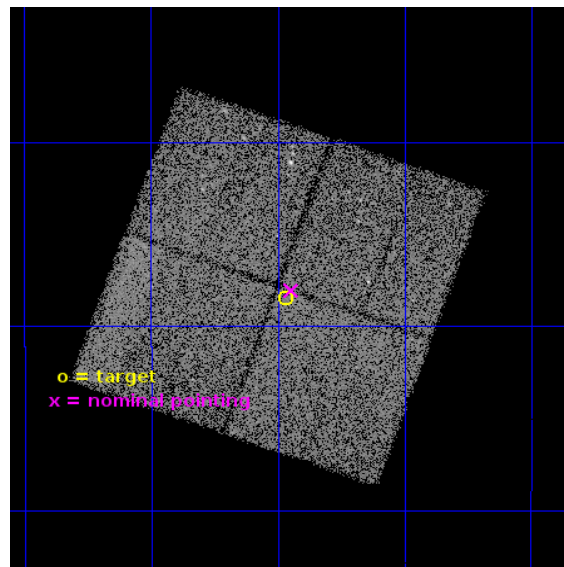
L2 Processing Date : Jul 30 2014

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1 Front

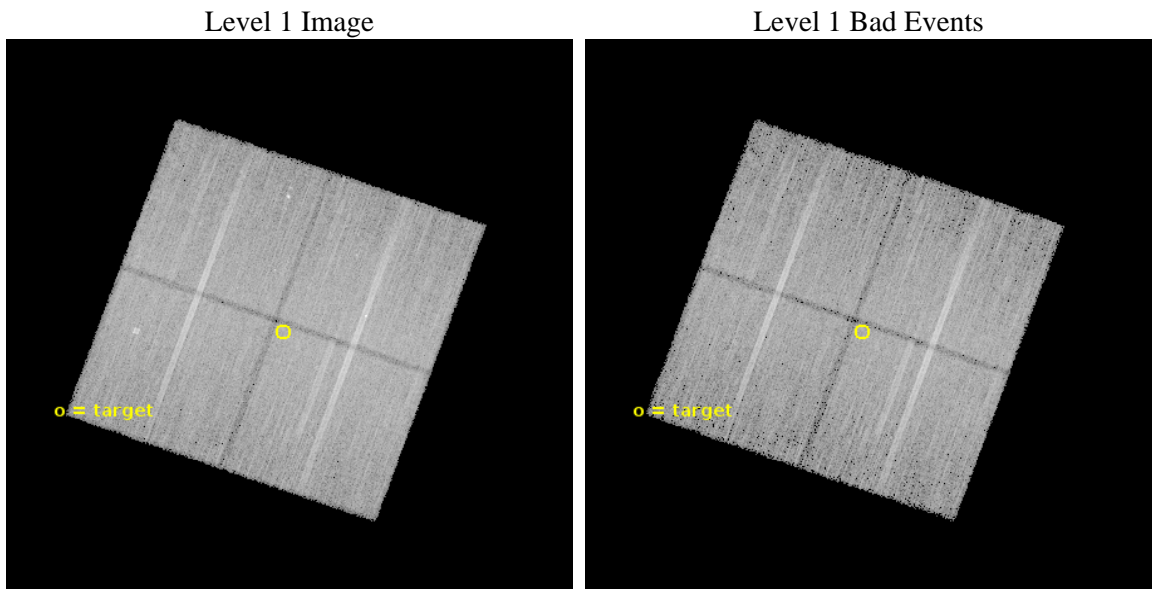
seq_num	901115	Sequence number
obs_id	16456	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. W.N. Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from 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	53.11150138635	Nominal RA [deg]
dec_nom	-27.800798196249	Nominal Dec [deg]
roll_nom	109.70608595839	Nominal Roll [deg]
revision	1	Processing version of data
ontime	48090.057271004	Sum of GTIs [s]
livetime	47461.725269373	Livetime [s]
ontime0	48089.934150994	Sum of GTIs [s]
ontime1	48083.693320036	Sum of GTIs [s]
ontime2	48083.73421061	Sum of GTIs [s]
ontime3	48090.057271004	Sum of GTIs [s]
l2events	93184	Number of level 2 events



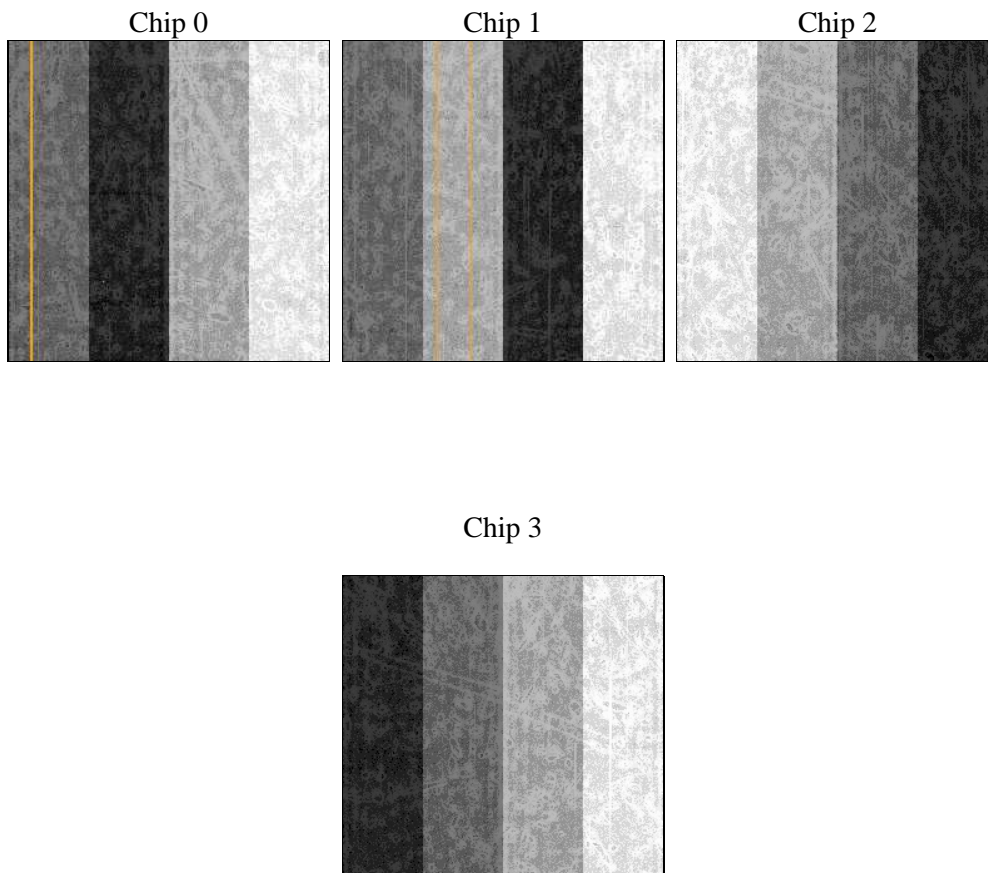
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	48000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	48090.057271004	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	48089.934150994	Sum of GTIs [s]
date	2014-07-30T16:41:07	Date and time of file creation	ontime1	48083.693320036	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	48083.73421061	Sum of GTIs [s]
			ontime3	48090.057271004	Sum of GTIs [s]
			l1events	880155	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	208820	213830	230932	226573
rejected events	180601	183201	203690	200614
rejected %	86%	85%	88%	88%

	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	10025	10872	9680	8762
	4%	5%	4%	3%
grade 1 events	118	132	147	129
	0%	0%	0%	0%
grade 2 events	6992	7324	6743	5924
	3%	3%	2%	2%
grade 3 events	2908	2894	2696	2847
	1%	1%	1%	1%
grade 4 events	2780	2993	2718	2806
	1%	1%	1%	1%
grade 5 events	11294	11606	10498	12476
	5%	5%	4%	5%
grade 6 events	5516	6548	5409	5631
	2%	3%	2%	2%
grade 7 events	169187	171461	193041	187998
	81%	80%	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	53.135375	53.1115013863501	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.818575	-27.80079819624852	Alternating exposures requested	N	N
[deg] Pointing Roll	109.508545	109.7060859583949	[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)	523053470.184000	523052017.66924			
Observation start date	2014-07-29T20:36:43	2014-07-29T20:13:37			
[s] Observation end time (MET)	523101470.184000	523102194.49703			
Observation end date	2014-07-30T09:56:43	2014-07-30T10:09:54			
Read mode	TIMED	TIMED			

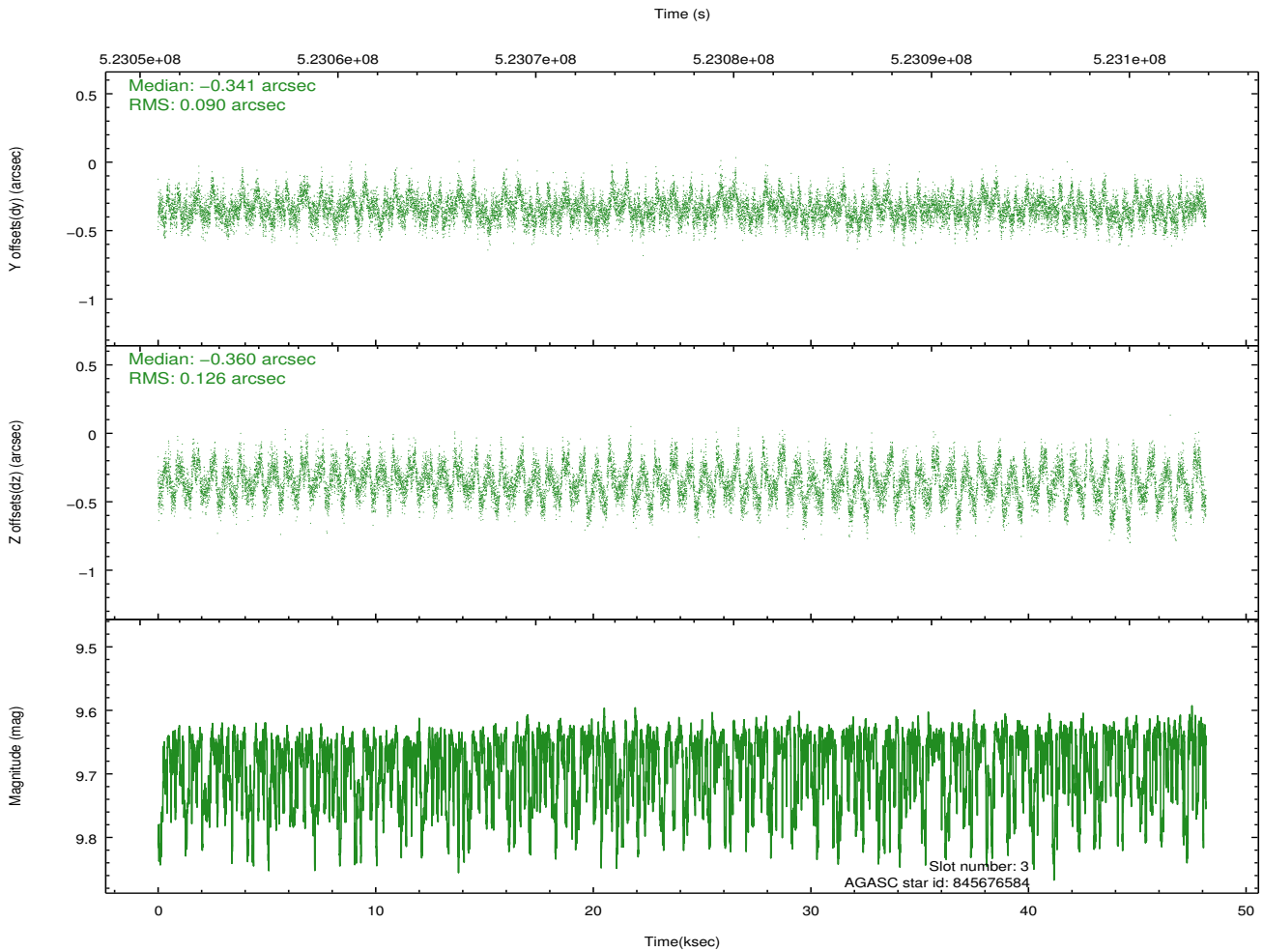
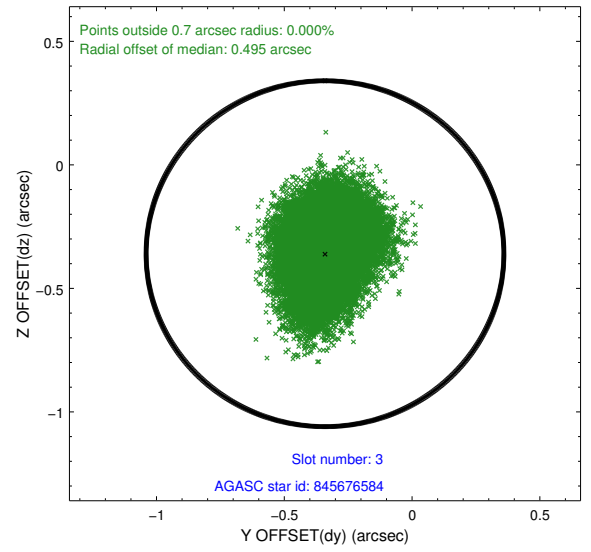
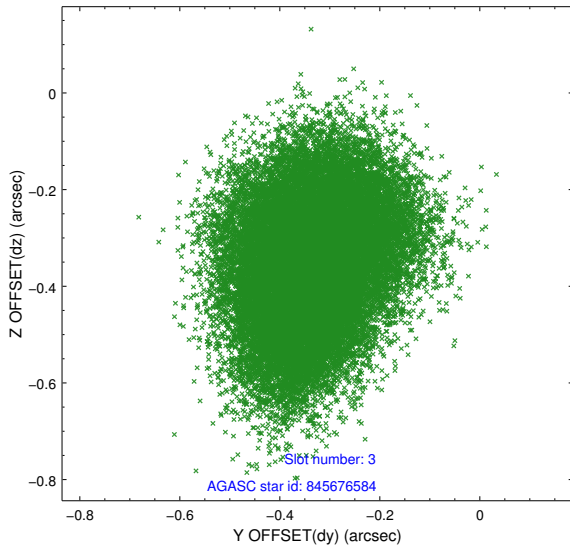
2.3 Aspect

Slot Statistics

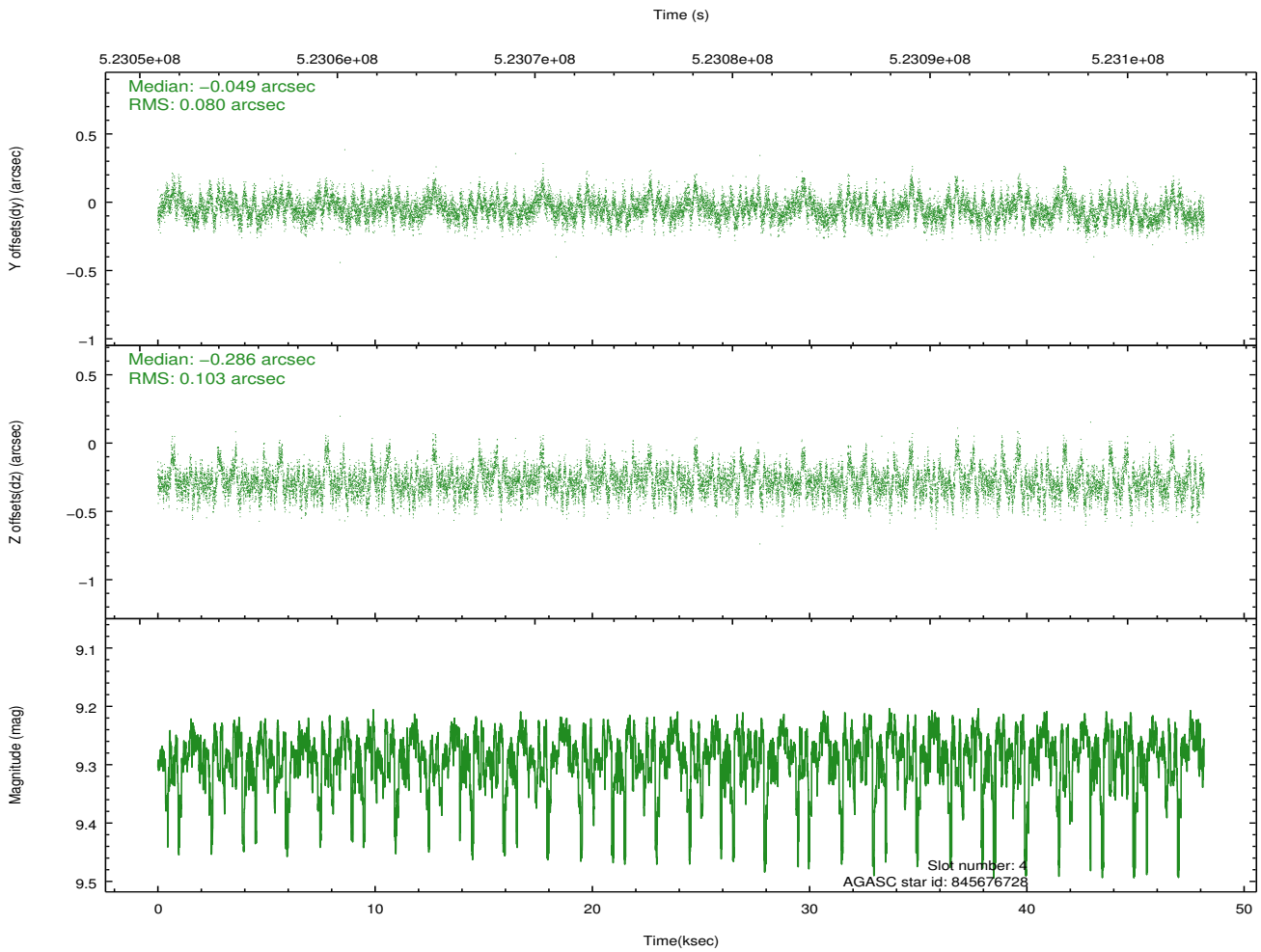
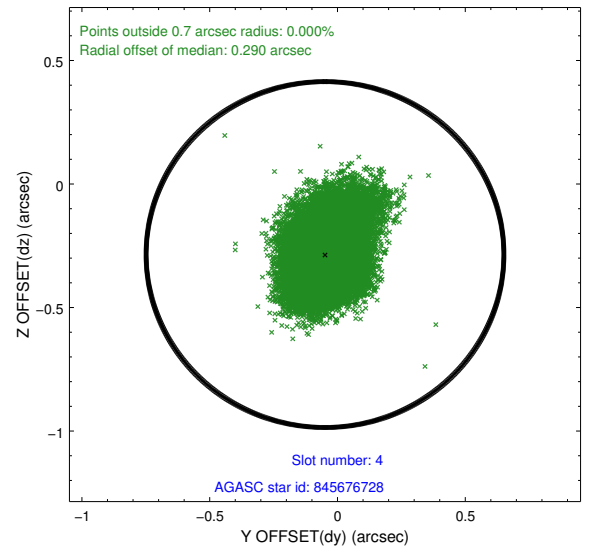
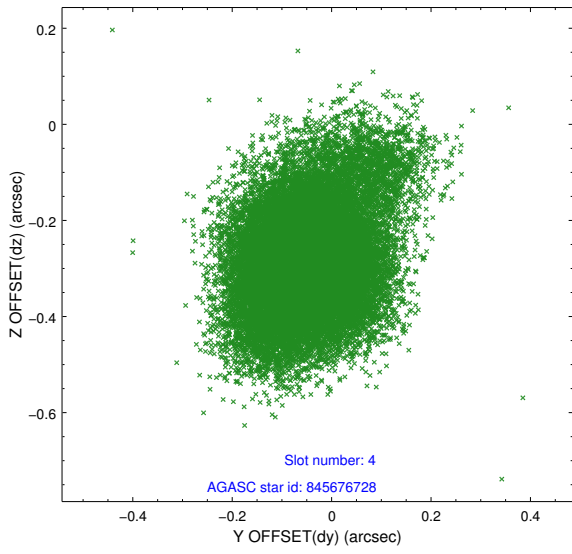
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.09	11747	0.039	0.019	0.028	0.059	0.000000	0.000000	919.71	-843.07
1	FID	ACIS-I-5	7.07	11747	-0.266	0.036	0.012	0.022	0.000000	0.000000	-1828.75	1054.38
2	FID	ACIS-I-6	7.08	11747	0.134	0.015	0.029	0.047	0.000000	0.000000	385.30	1698.90
3	GUIDE	845676584	9.67	23396	-0.341	-0.360	0.168	0.263	52.264247	-27.542890	1854.42	2293.01
4	GUIDE	845676728	9.28	23485	-0.049	-0.286	0.133	0.238	52.877179	-27.664318	797.69	591.01
5	GUIDE	845676936	9.48	23474	-0.287	-0.106	0.166	0.258	52.843773	-27.880153	99.68	948.66
6	GUIDE	845807880	8.79	23486	0.223	0.208	0.126	0.203	53.382027	-27.886093	-491.48	-657.89
7	GUIDE	845813816	10.07	23454	0.462	0.550	0.302	0.484	54.061891	-28.212182	-2327.25	-2293.32

2.4 Star Slots

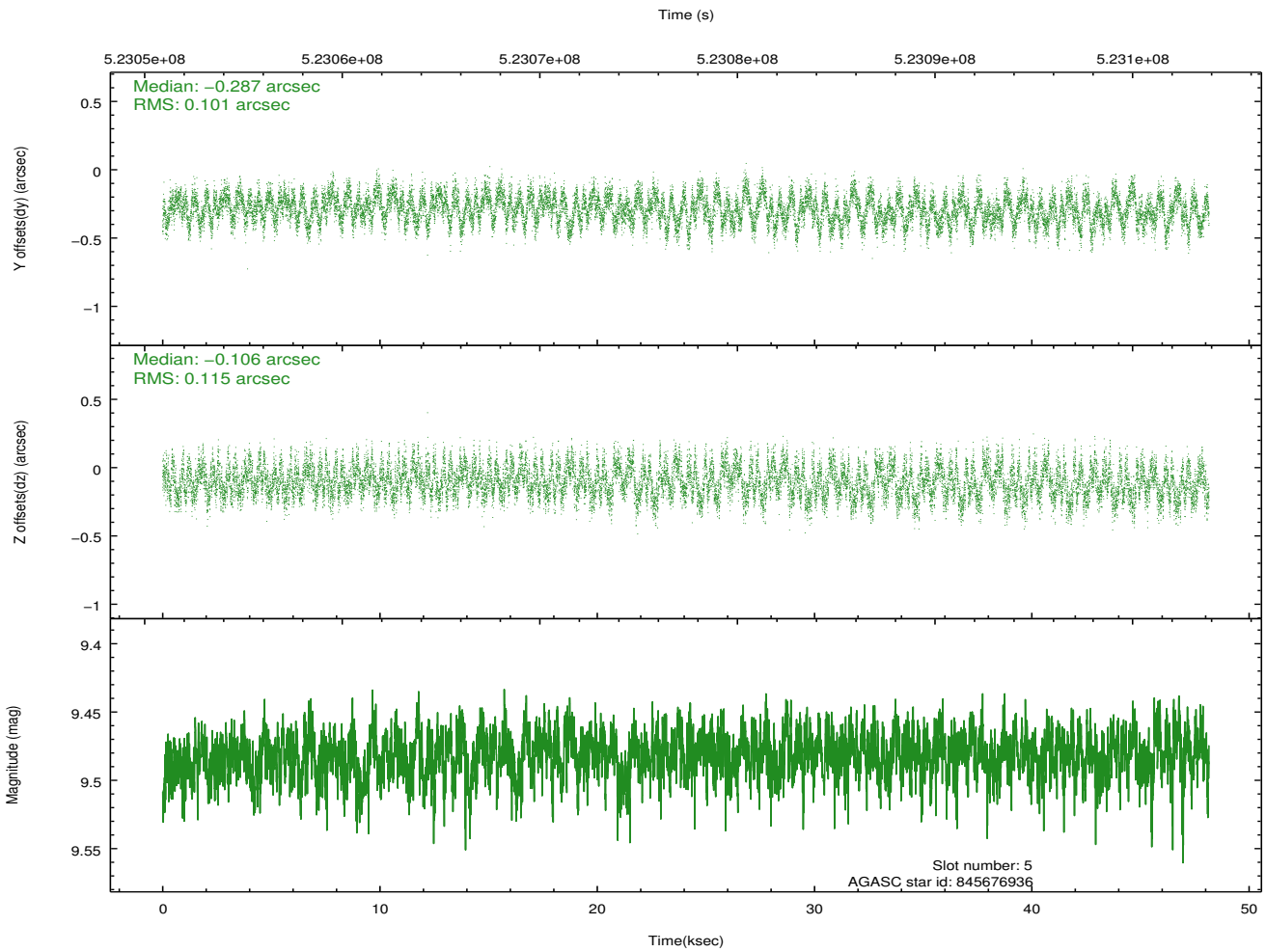
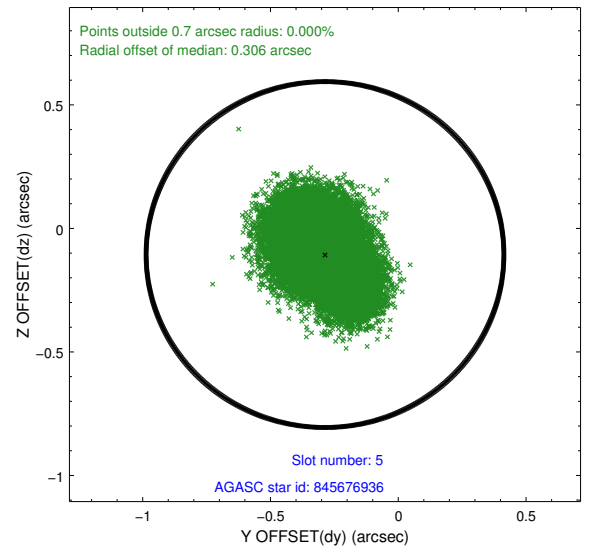
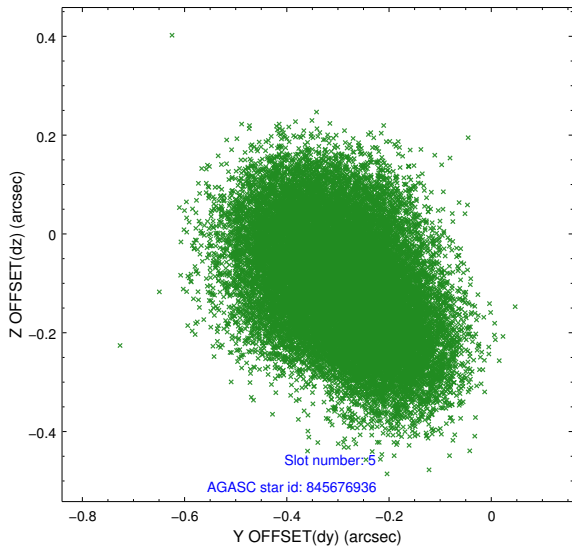
2.4.1 Slot 3



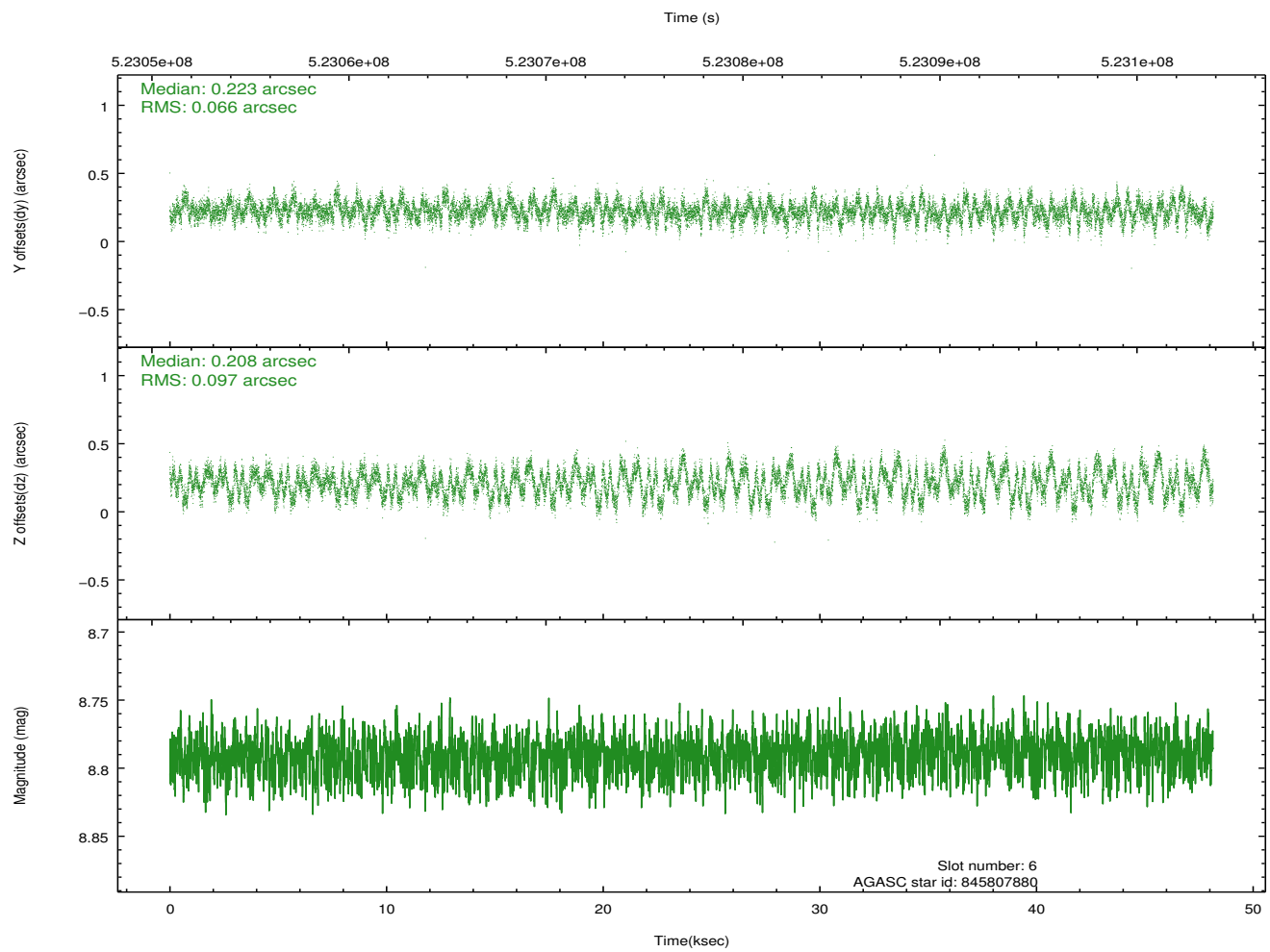
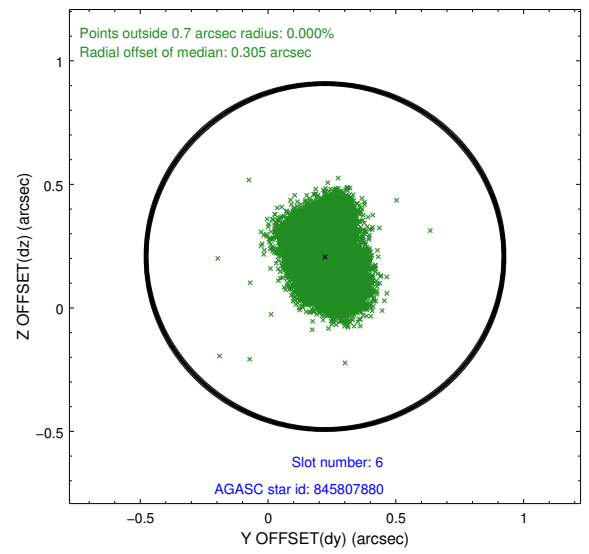
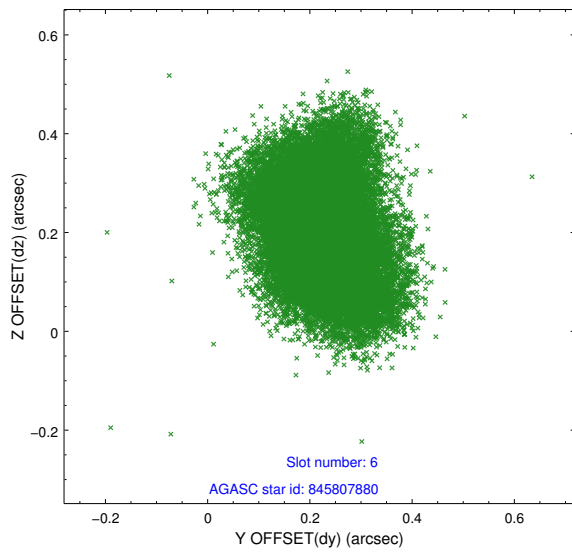
2.4.2 Slot 4



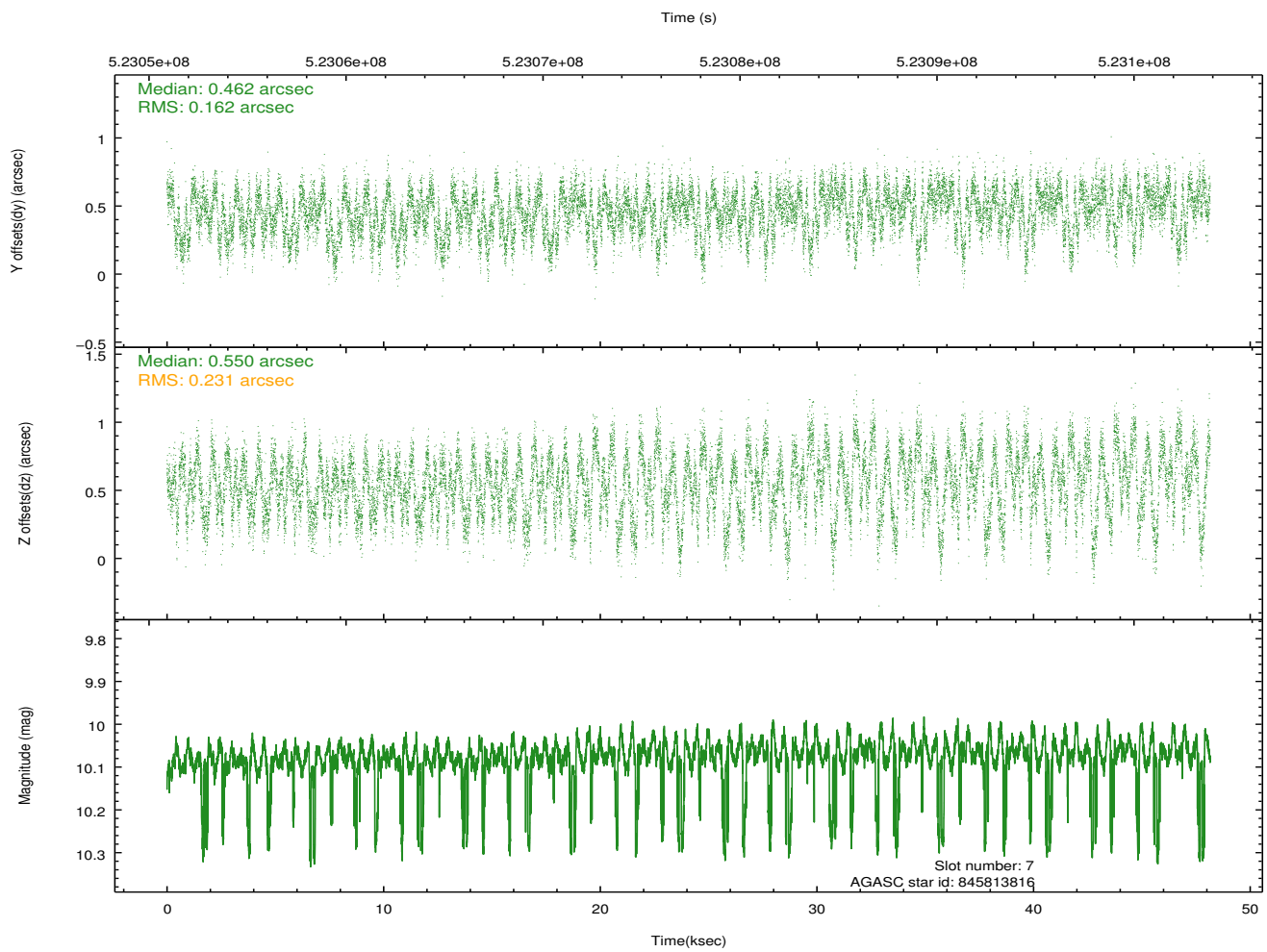
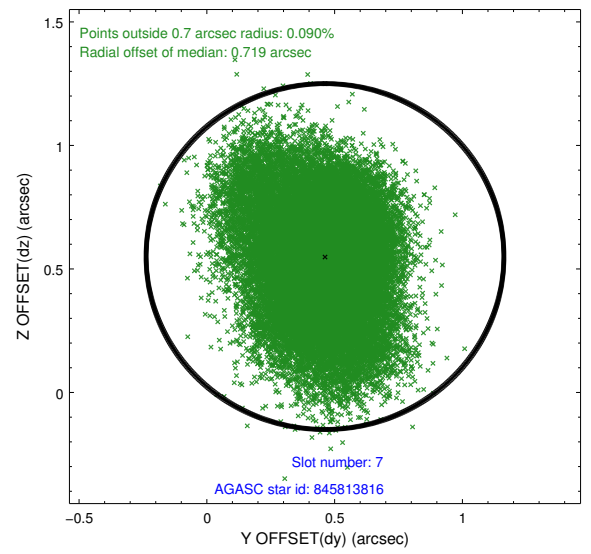
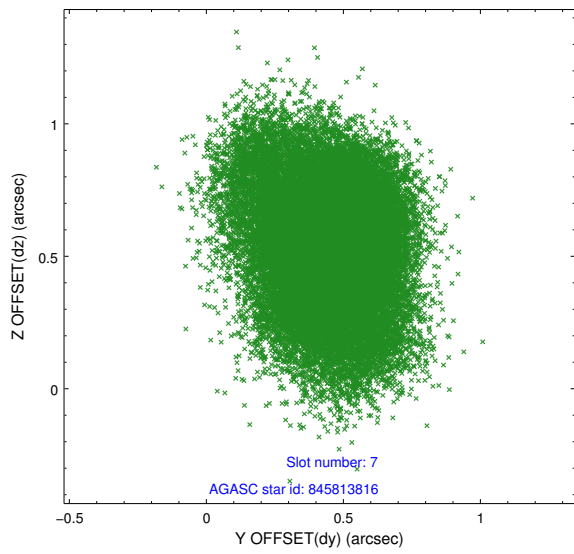
2.4.3 Slot 5



2.4.4 Slot 6

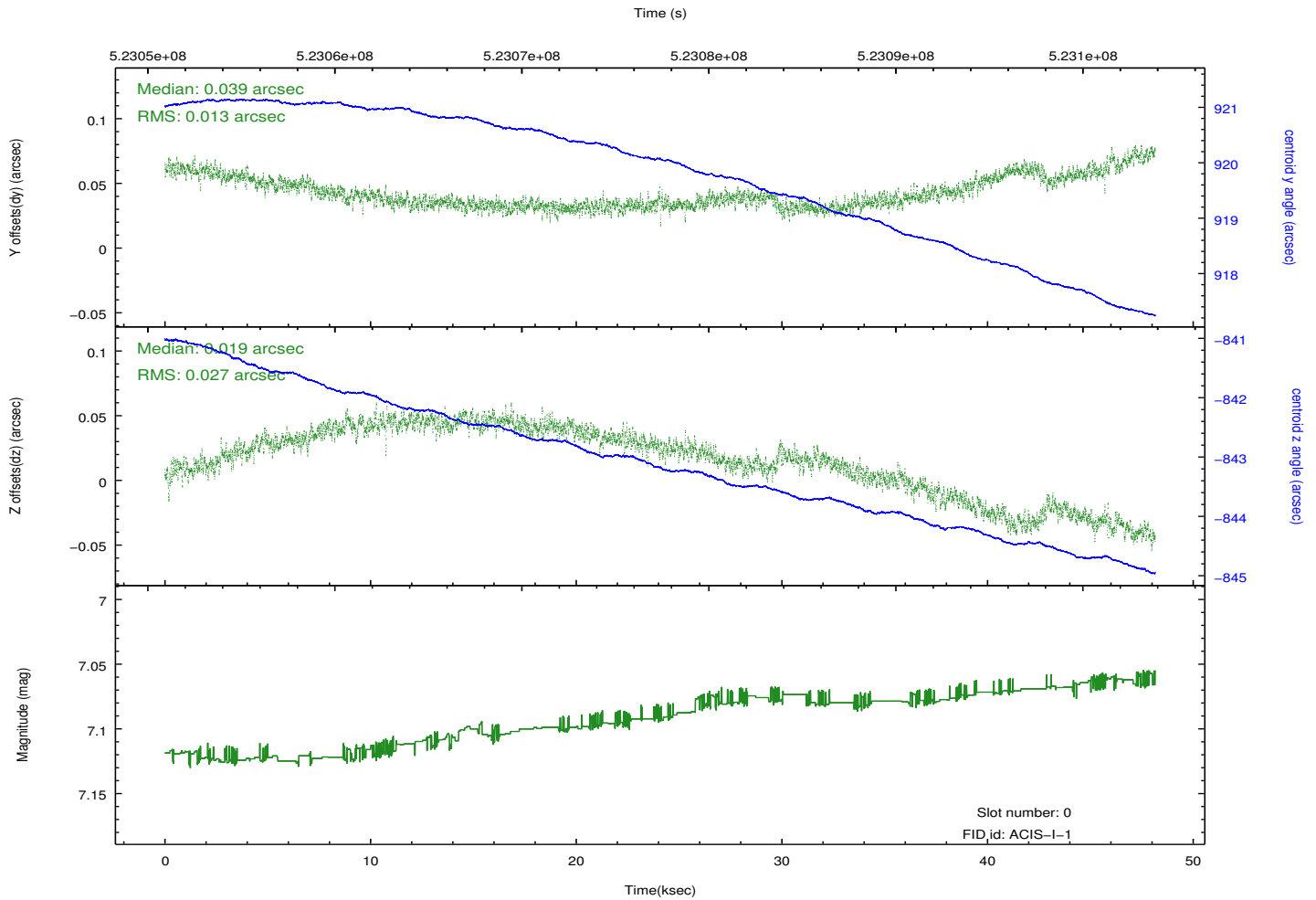
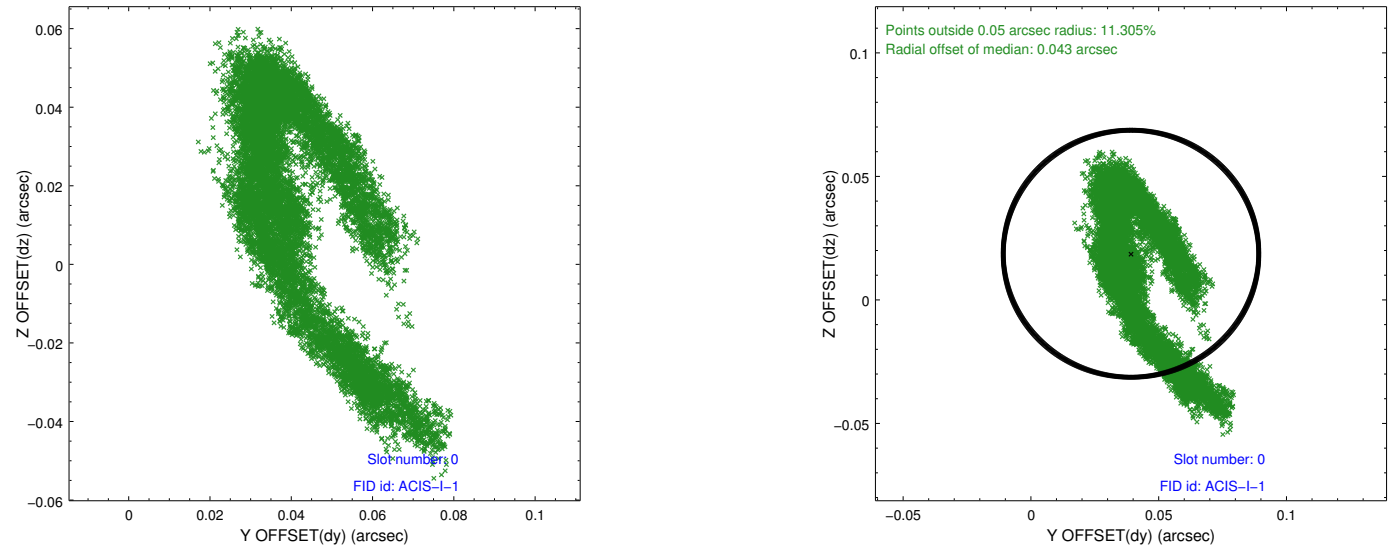


2.4.5 Slot 7

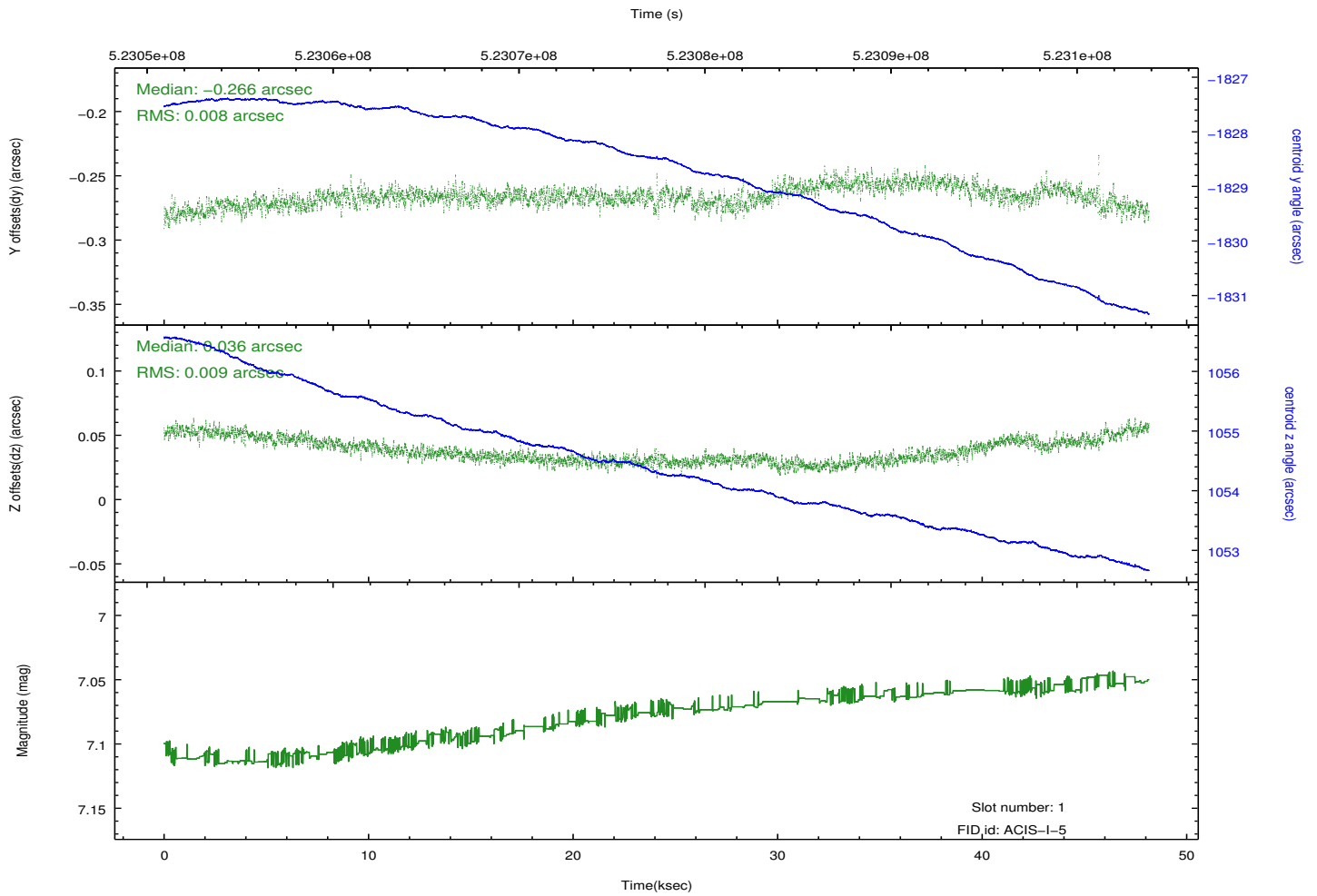
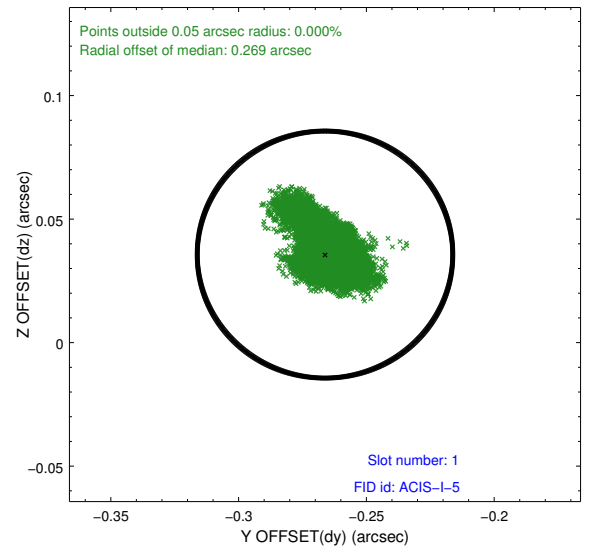
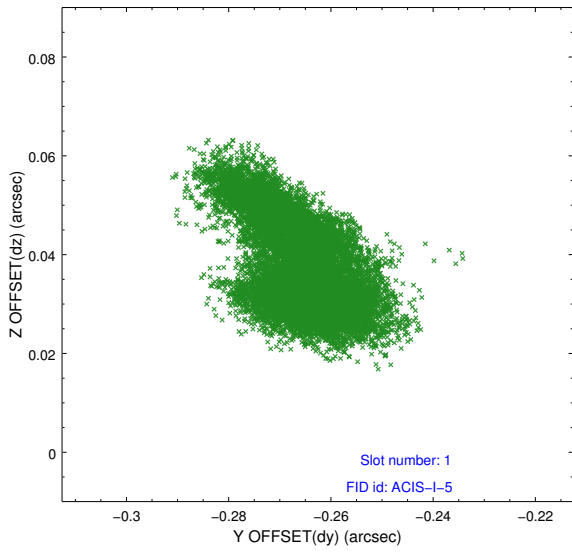


2.5 FID Slots

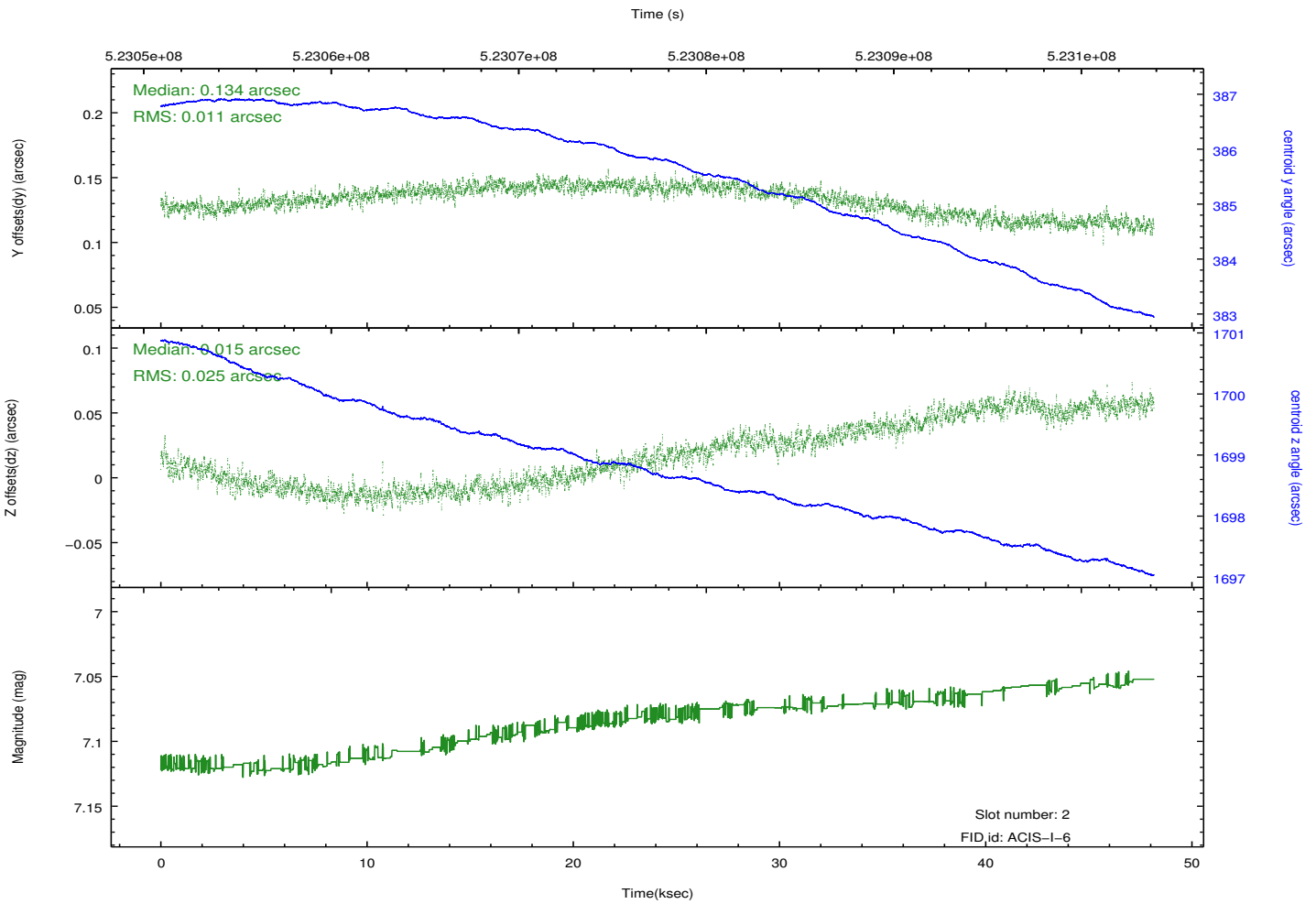
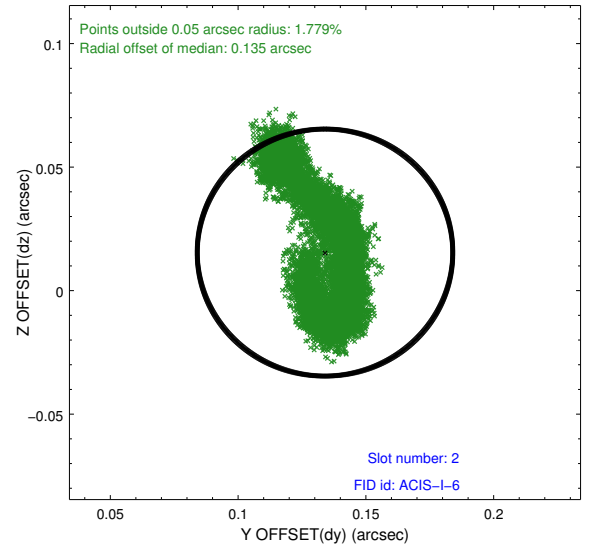
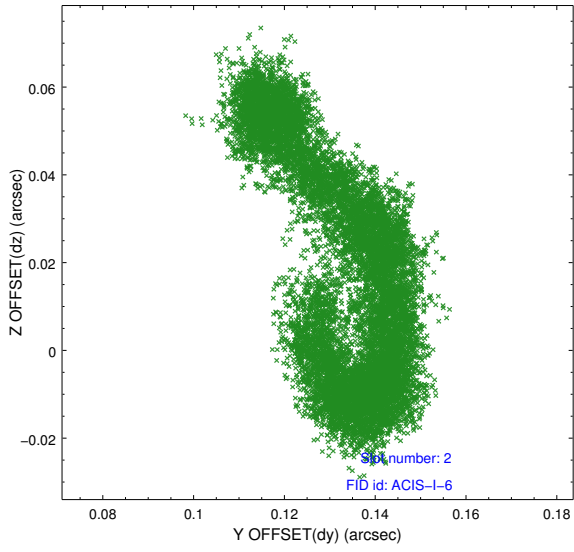
2.5.1 Slot 0



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)	2014.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.090057271004

A.2 Comments