

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16184 - L2 Version 1
Chandra X-Ray Center

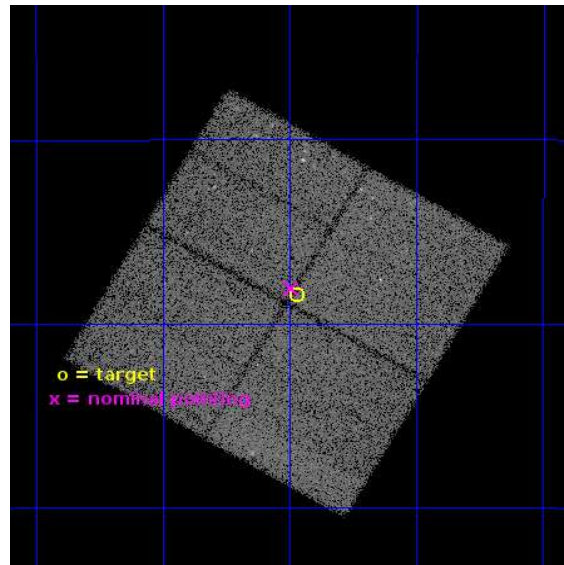
L2 Processing Date : Oct 27 2014

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1 Front

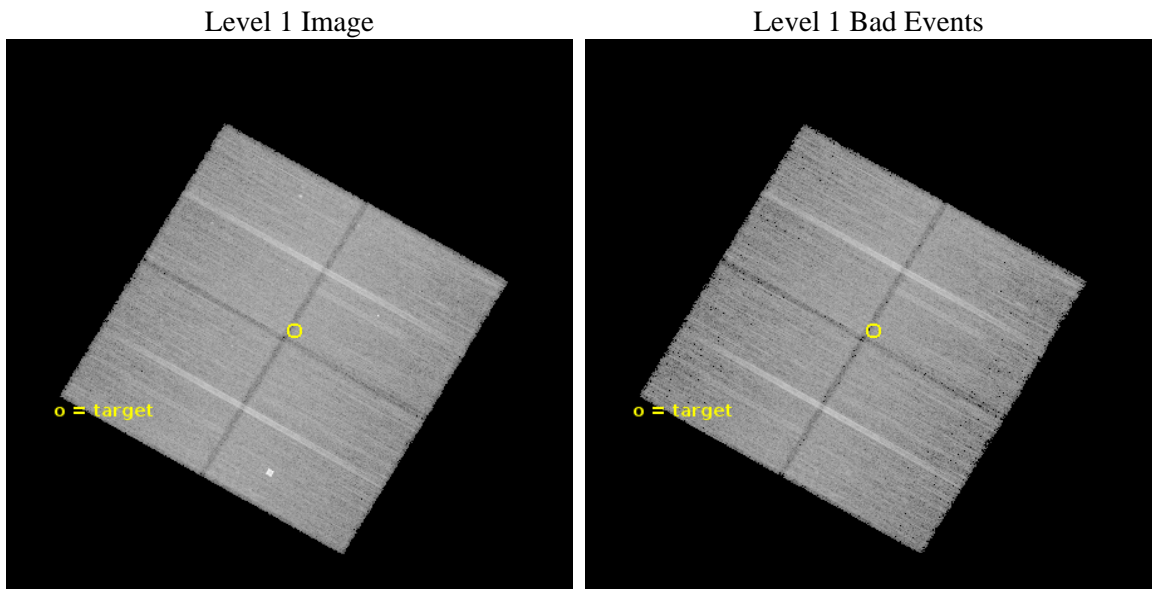
seq_num	901115	Sequence number
obs_id	16184	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. W.N. Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from 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	53.123322664147	Nominal RA [deg]
dec_nom	-27.801293433366	Nominal Dec [deg]
roll_nom	30.211588898022	Nominal Roll [deg]
revision	1	Processing version of data
ontime	56116.11842078	Sum of GTIs [s]
livetime	55382.920021527	Livetime [s]
ontime0	56116.118390977	Sum of GTIs [s]
ontime1	56122.400431633	Sum of GTIs [s]
ontime2	56122.400431633	Sum of GTIs [s]
ontime3	56116.11842078	Sum of GTIs [s]
l2events	133346	Number of level 2 events



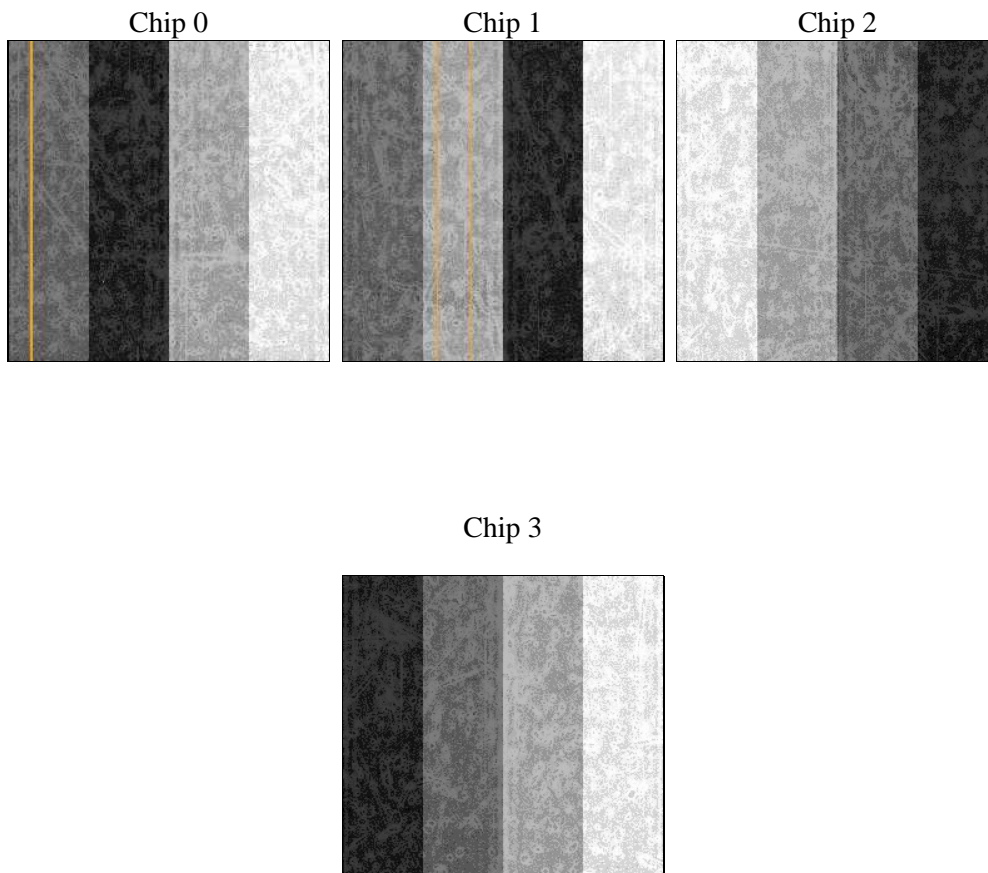
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	56035.782000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	56116.11842078	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	56116.118390977	Sum of GTIs [s]
date	2014-10-27T18:45:00	Date and time of file creation	ontime1	56122.400431633	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	56122.400431633	Sum of GTIs [s]
			ontime3	56116.11842078	Sum of GTIs [s]
			l1events	1091039	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	258389	272326	283659	276665
rejected events	220264	225198	245376	239013
rejected %	85%	82%	86%	86%

	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	12863	19334	13624	13055
	4%	7%	4%	4%
grade 1 events	148	215	175	173
	0%	0%	0%	0%
grade 2 events	9121	9881	8772	8245
	3%	3%	3%	2%
grade 3 events	3762	3931	3865	3767
	1%	1%	1%	1%
grade 4 events	3660	4039	3723	3837
	1%	1%	1%	1%
grade 5 events	13166	13937	12378	14769
	5%	5%	4%	5%
grade 6 events	8723	9948	8305	8751
	3%	3%	2%	3%
grade 7 events	206946	211041	232817	224068
	80%	77%	82%	80%

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	53.107919	53.12332266414703	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.825297	-27.80129343336574	Alternating exposures requested	N	N
[deg] Pointing Roll	29.995716	30.2115888980221	[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)	530683350.184000	530682459.93033			
Observation start date	2014-10-26T04:01:23	2014-10-26T03:47:39			
[s] Observation end time (MET)	530739386.184000	530739623.15851			
Observation end date	2014-10-26T19:35:19	2014-10-26T19:40:23			
Read mode	TIMED	TIMED			

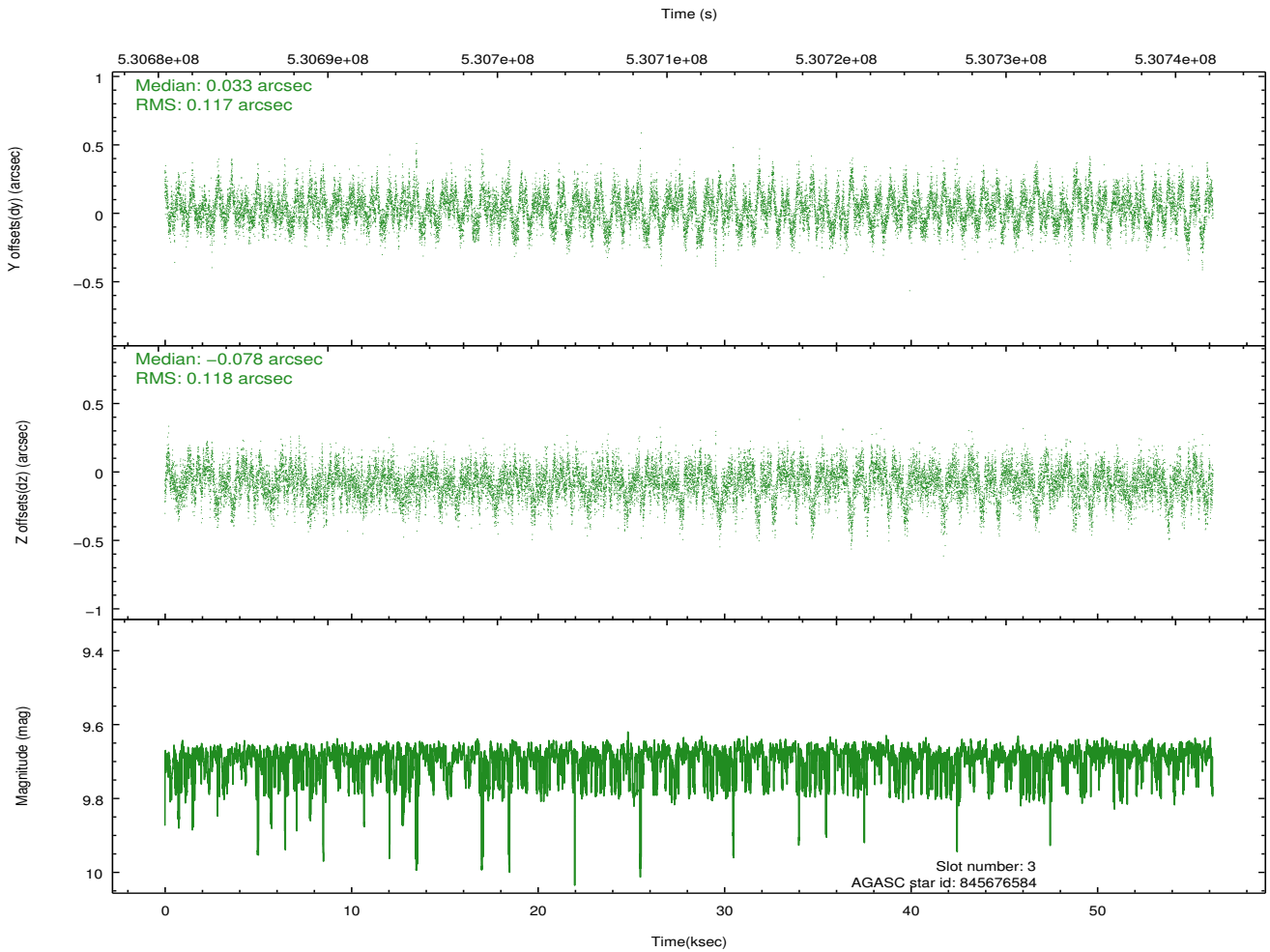
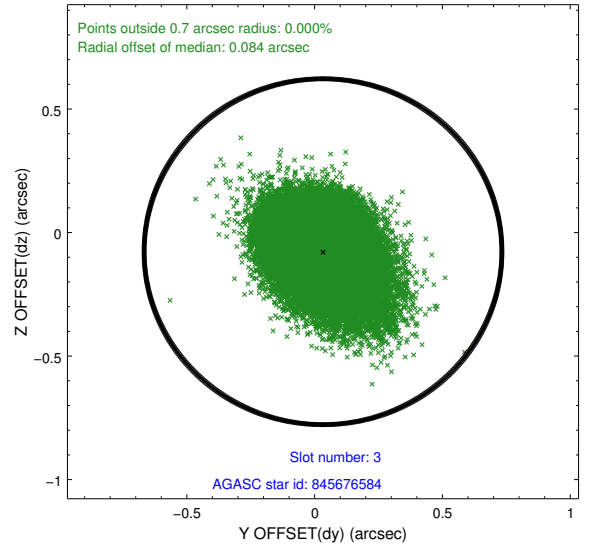
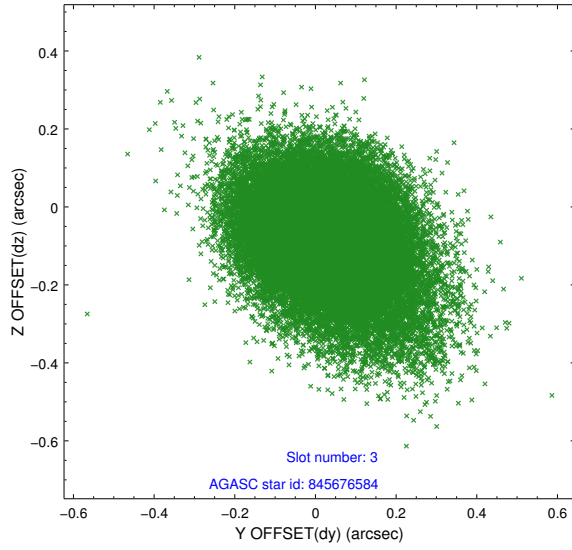
2.3 Aspect

Slot Statistics

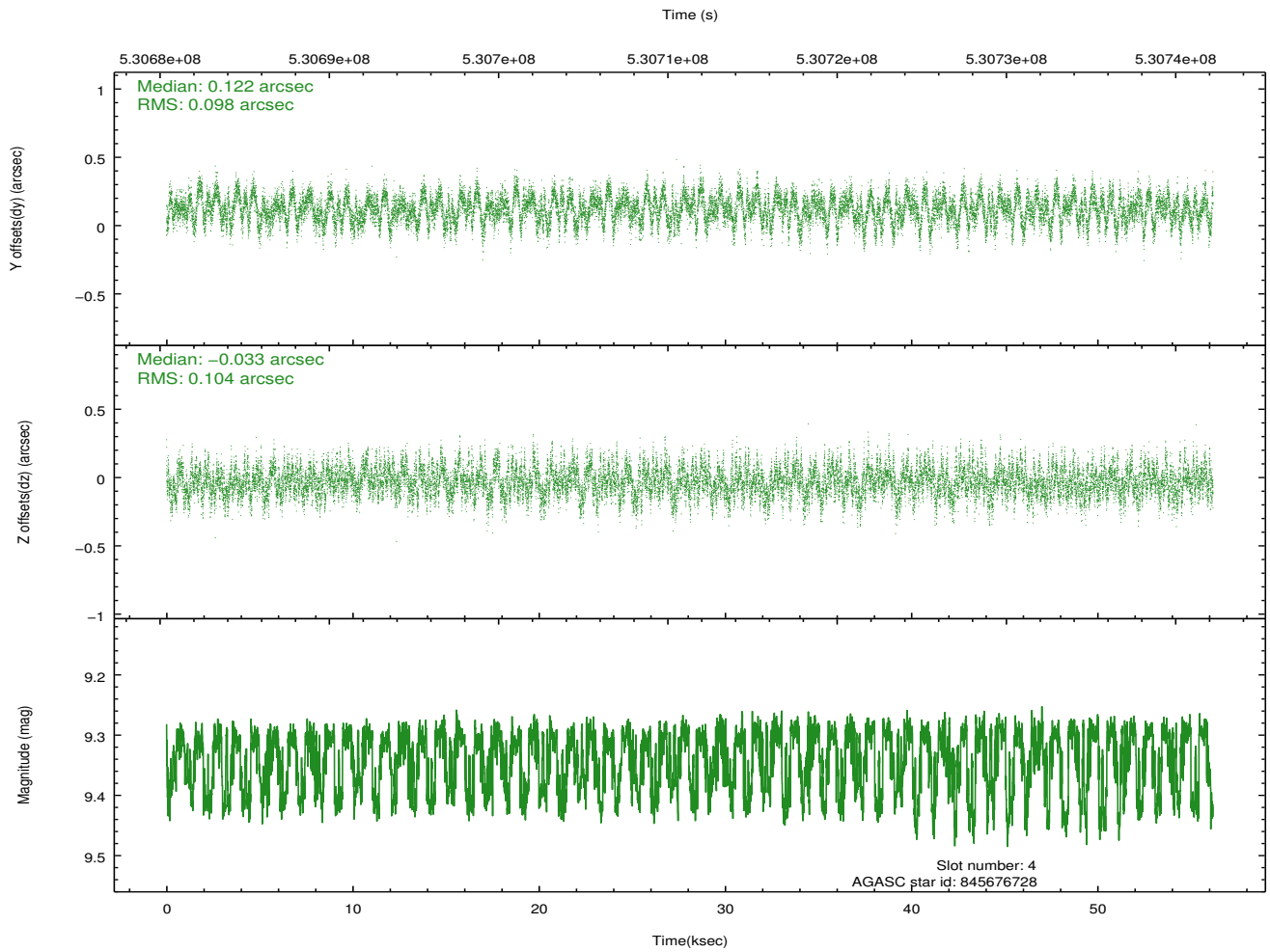
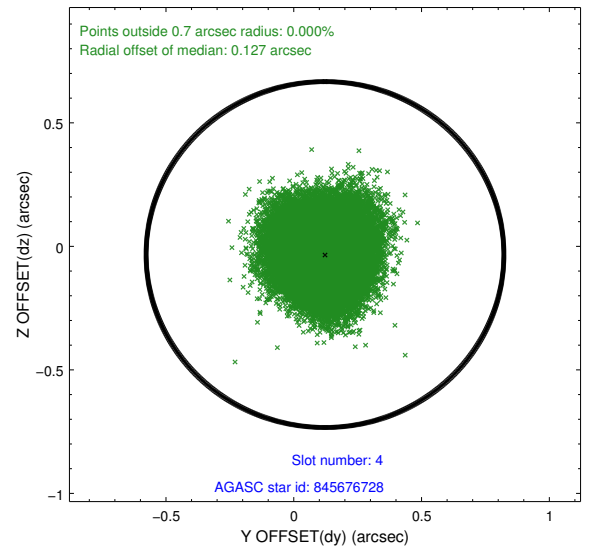
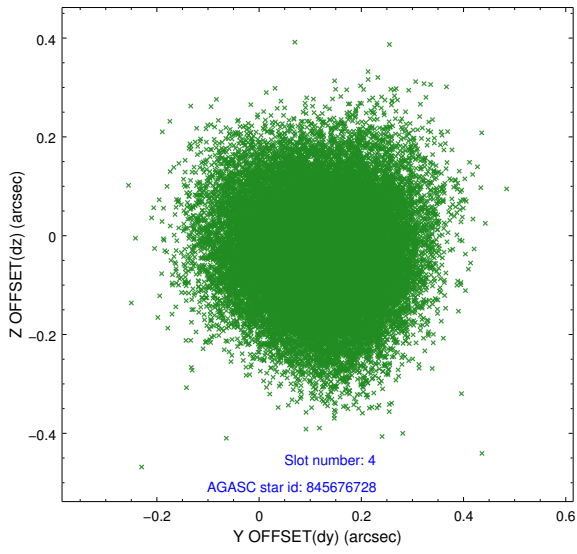
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.26	13708	0.074	-0.028	0.010	0.018	0.000000	0.000000	912.21	-845.71
1	FID	ACIS-I-5	7.25	13706	-0.311	0.051	0.008	0.015	0.000000	0.000000	-1836.35	1051.81
2	FID	ACIS-I-6	7.25	13708	0.145	0.048	0.010	0.025	0.000000	0.000000	377.80	1696.32
3	GUIDE	845676584	9.69	27304	0.033	-0.078	0.175	0.288	52.264247	-27.542890	-1828.93	2218.76
4	GUIDE	845676728	9.33	27392	0.122	-0.033	0.154	0.241	52.877179	-27.664318	-347.55	869.63
5	GUIDE	845676936	9.50	27399	-0.060	0.023	0.215	0.338	52.843773	-27.880153	-826.24	248.67
6	GUIDE	845807880	8.79	27403	-0.165	0.134	0.133	0.214	53.382027	-27.886093	645.95	-625.52
7	GUIDE	845813656	10.15	26794	0.082	-0.029	0.365	0.674	53.922767	-28.083703	1773.61	-2105.99

2.4 Star Slots

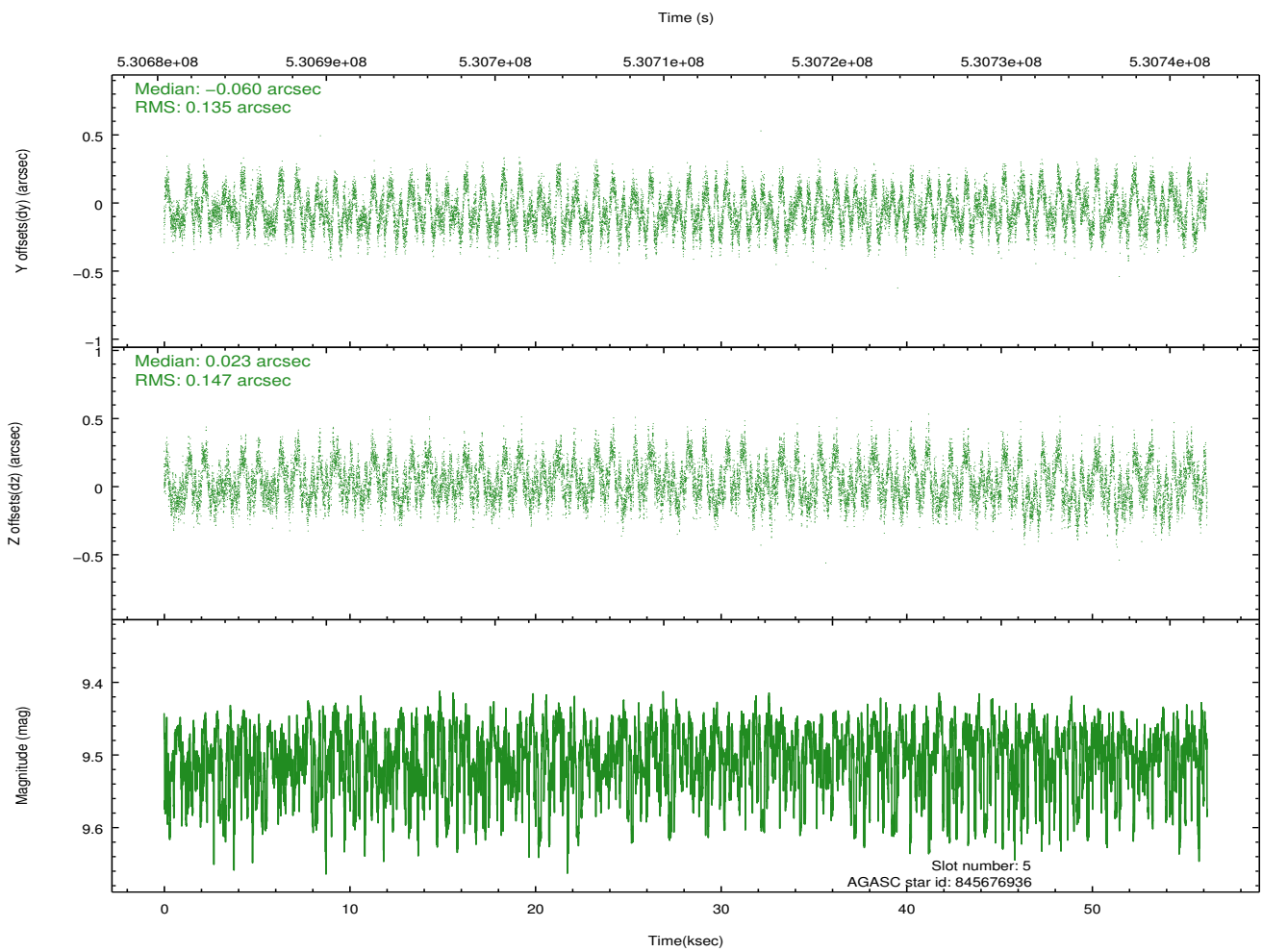
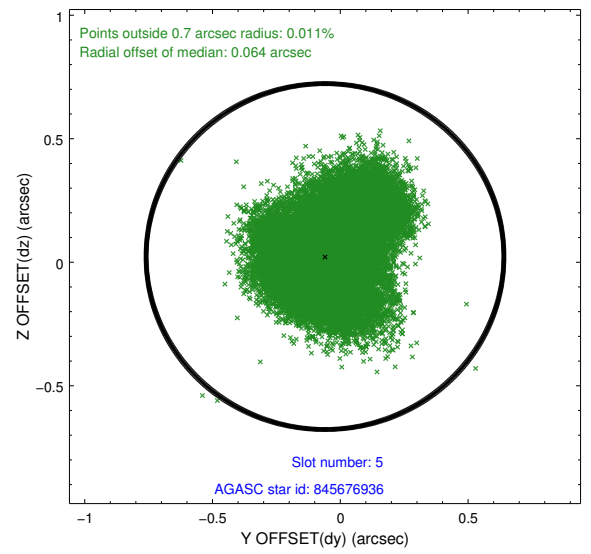
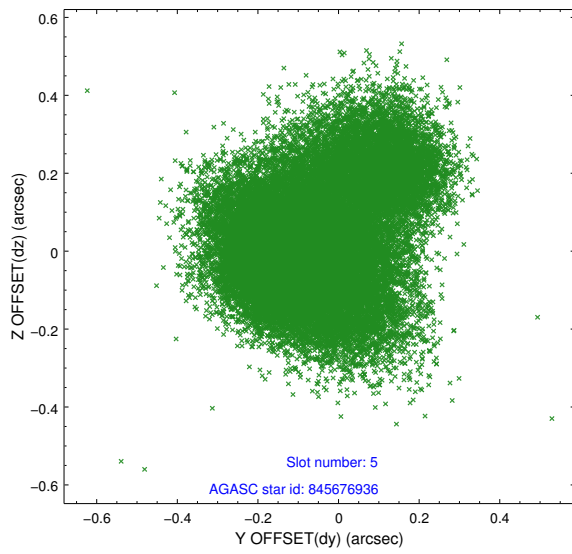
2.4.1 Slot 3



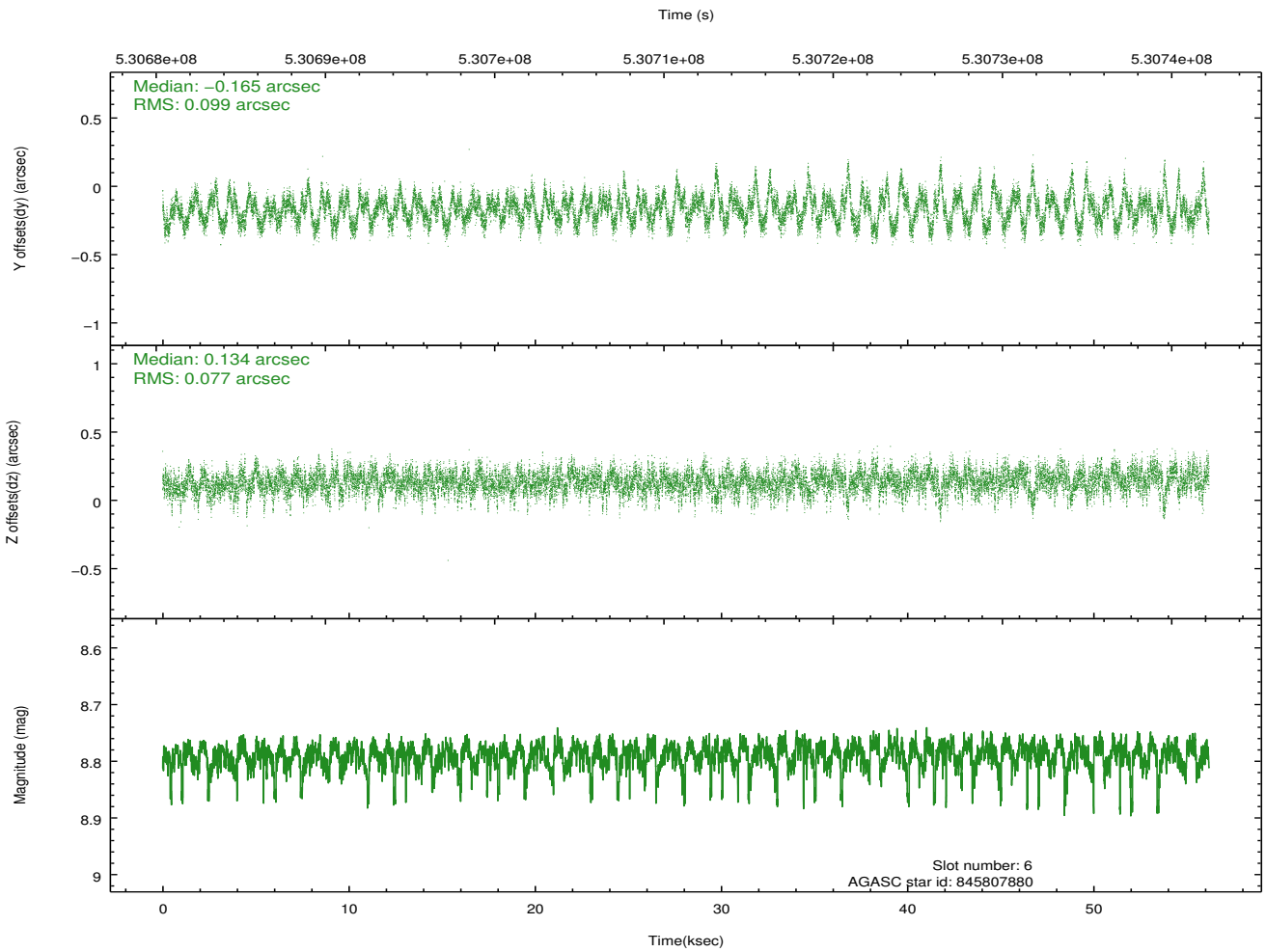
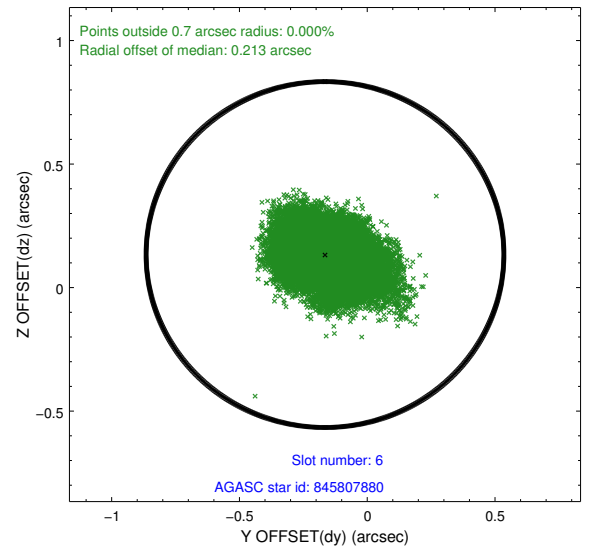
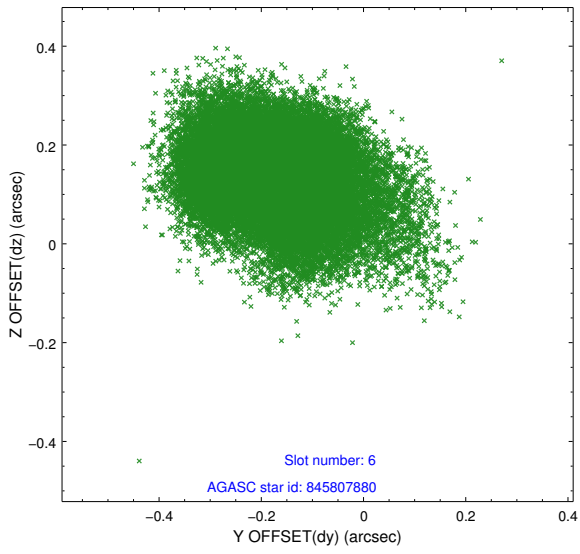
2.4.2 Slot 4



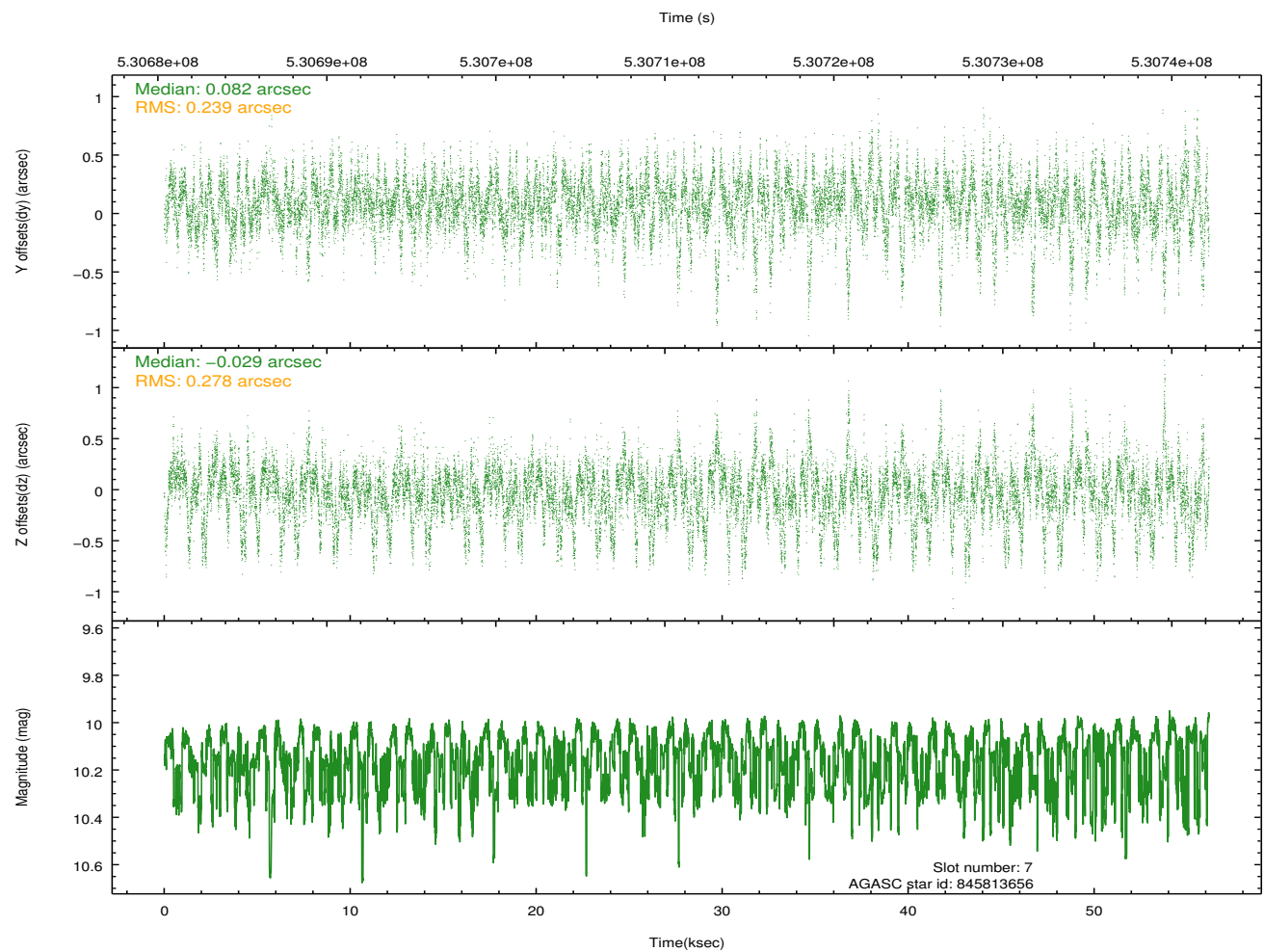
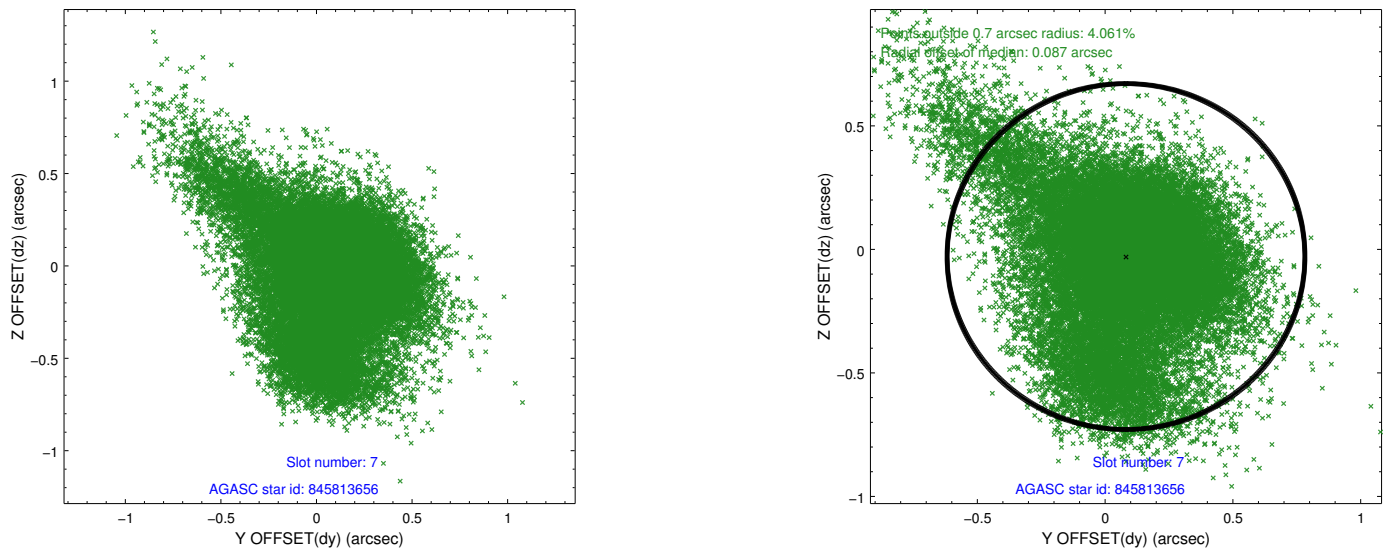
2.4.3 Slot 5



2.4.4 Slot 6

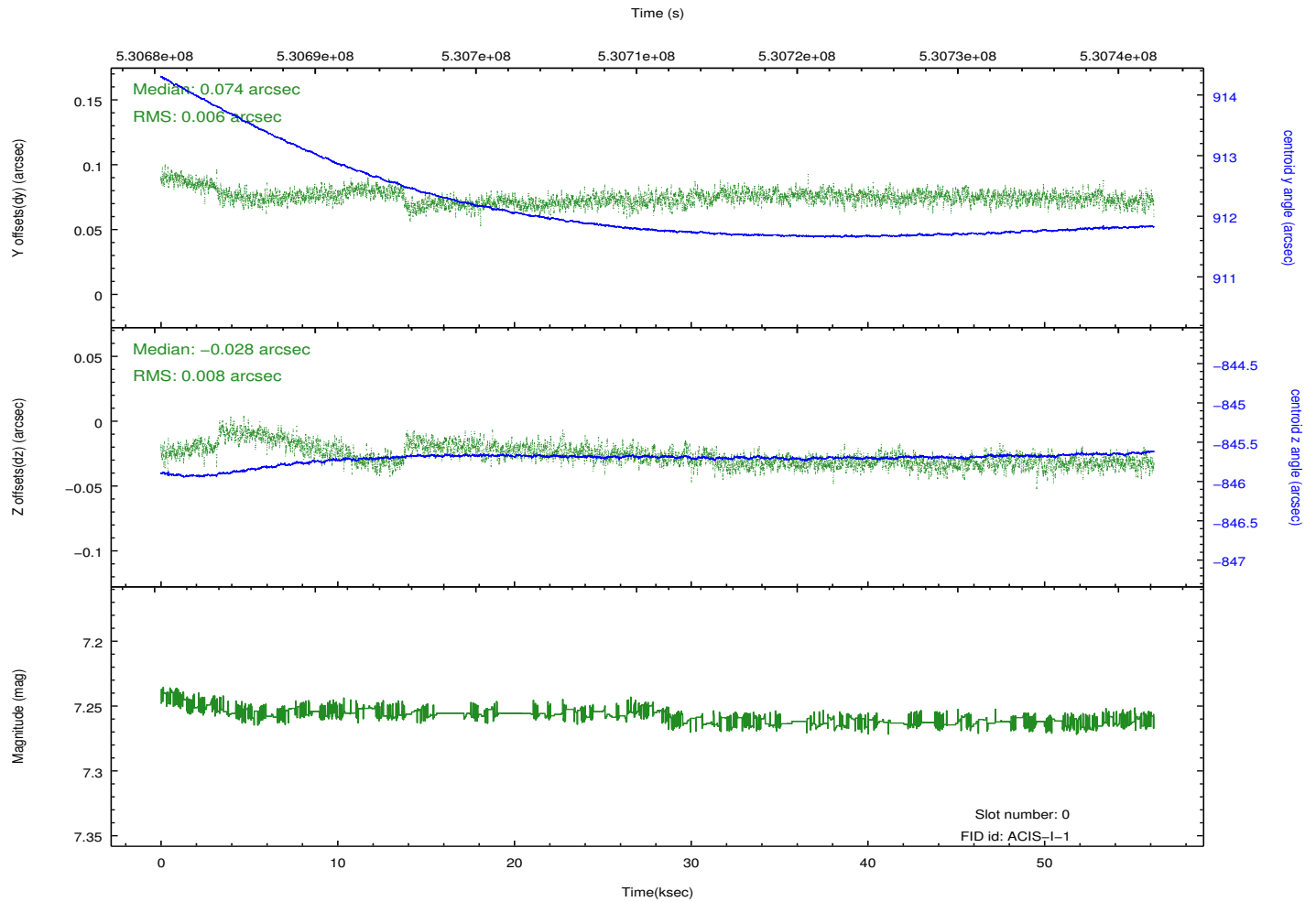
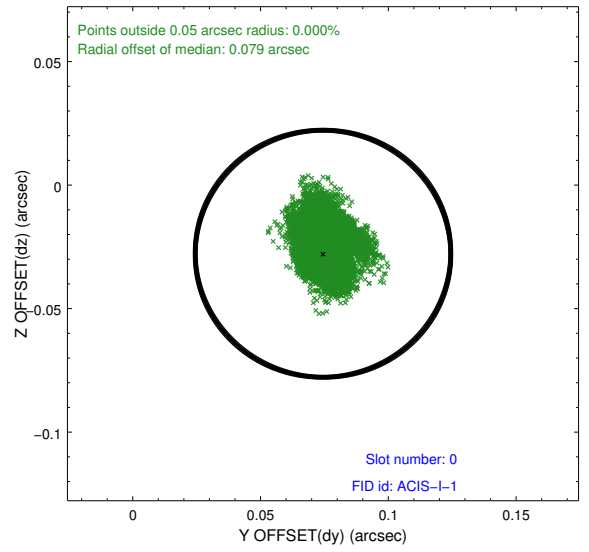
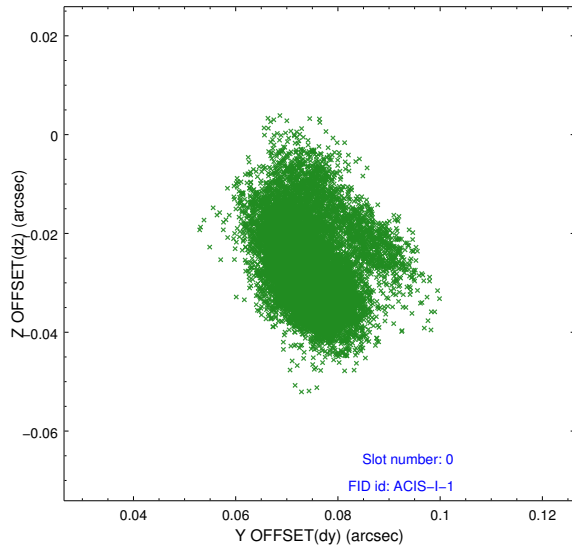


2.4.5 Slot 7

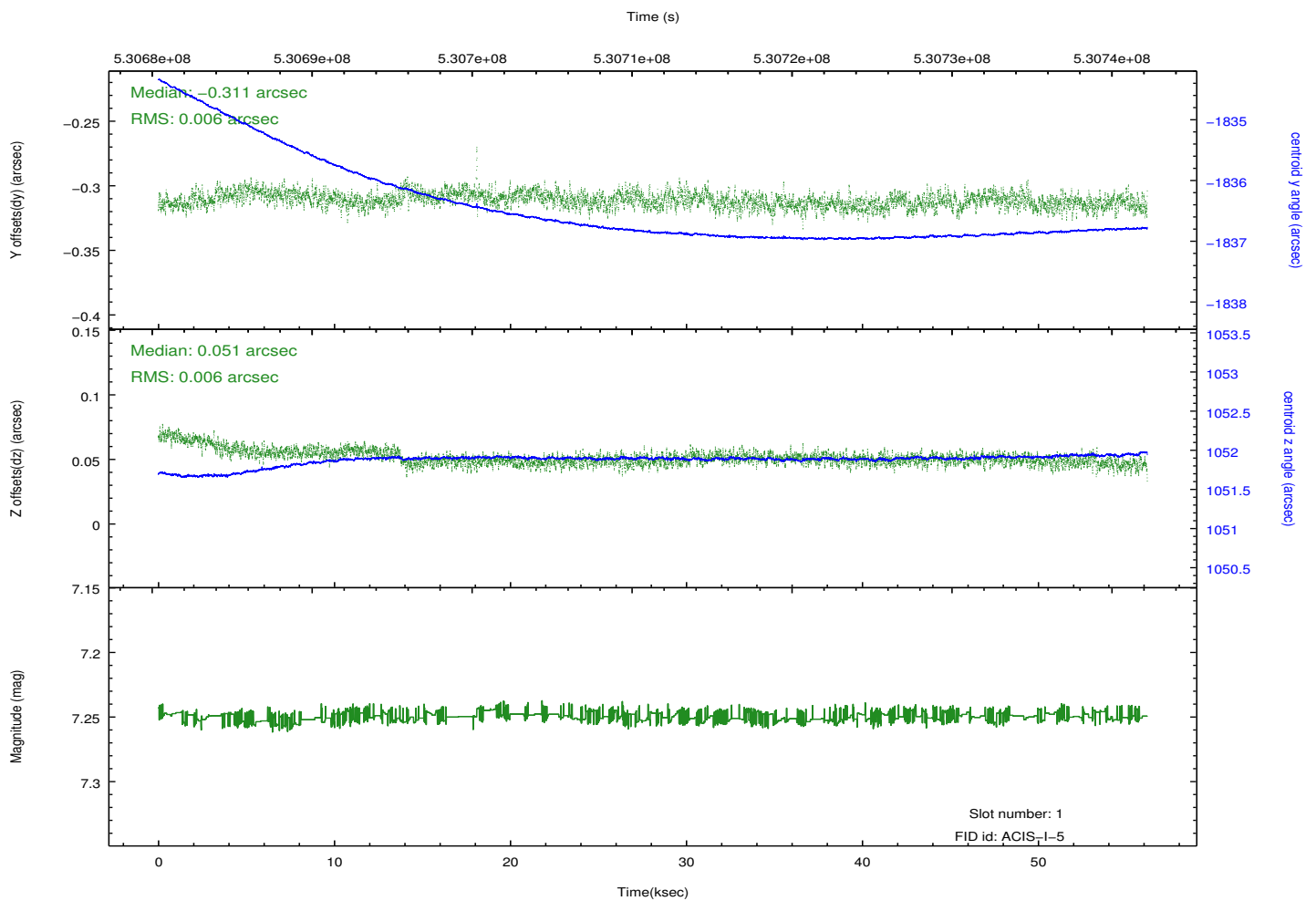
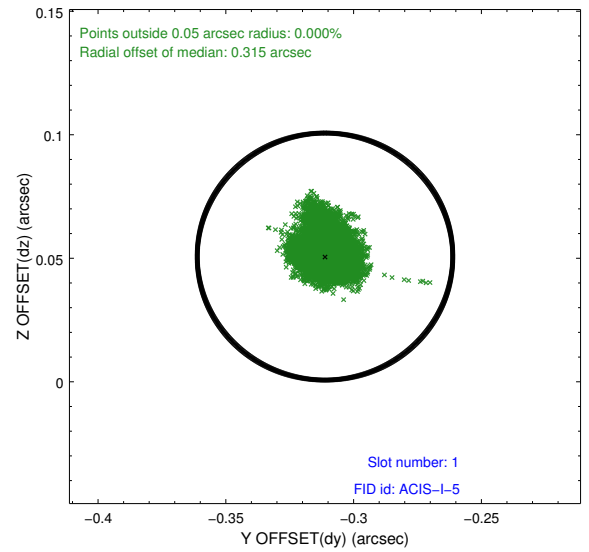
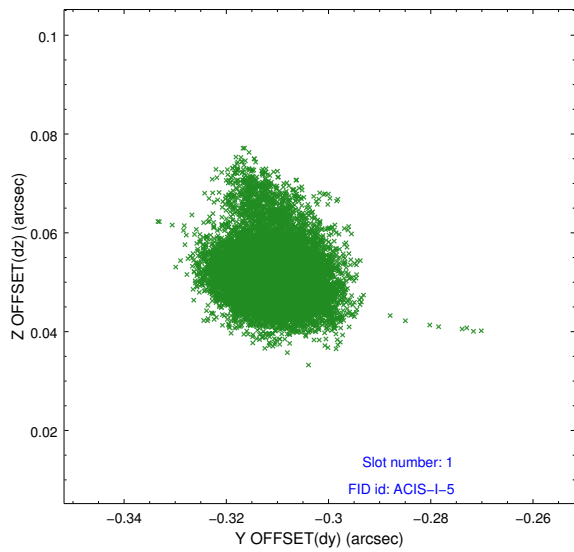


2.5 FID Slots

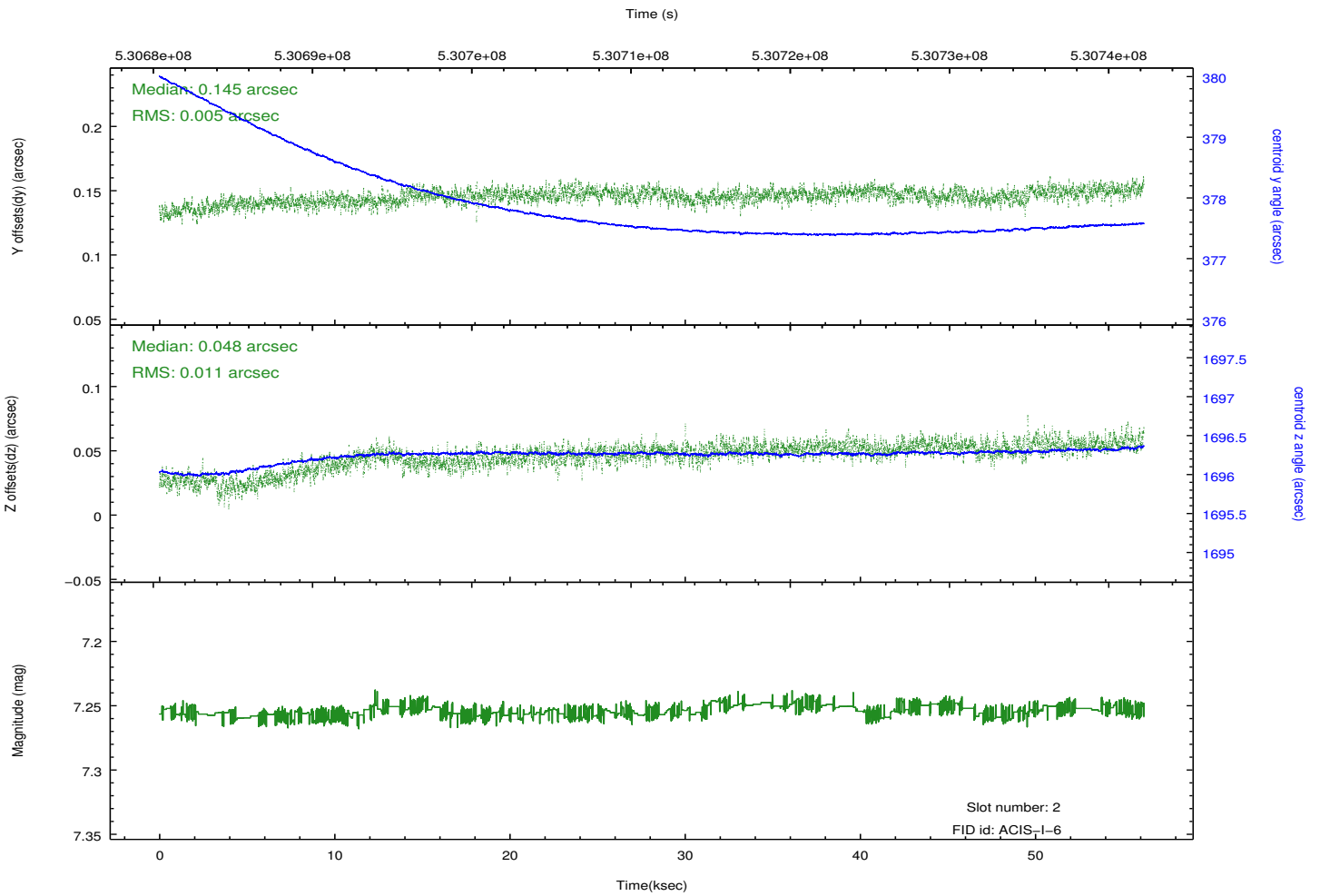
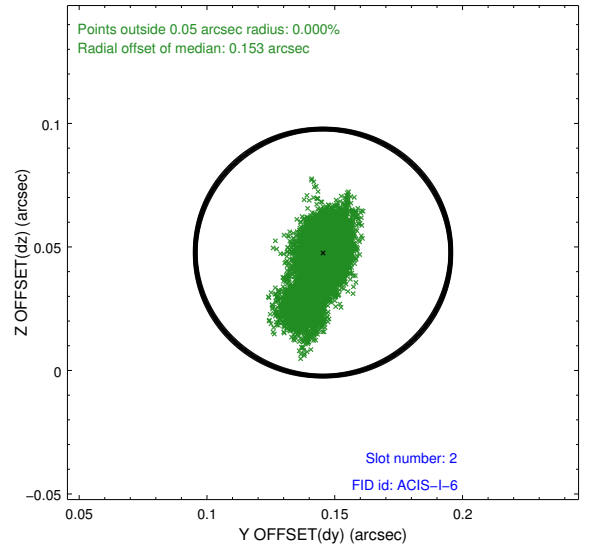
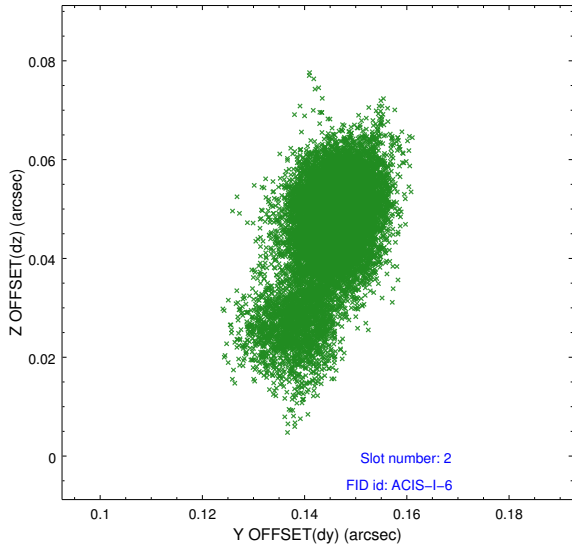
2.5.1 Slot 0



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)	2014.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	56.11611842078

A.2 Comments