

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2814 - L2 Version 3
Chandra X-Ray Center

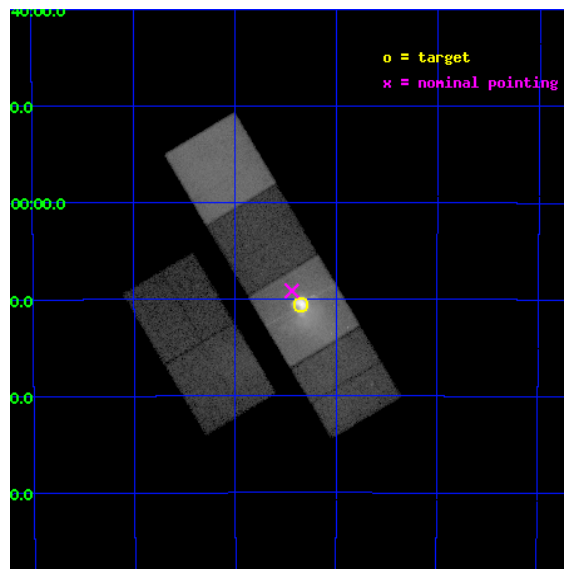
L2 Processing Date : Sep 28 2012

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1 Front

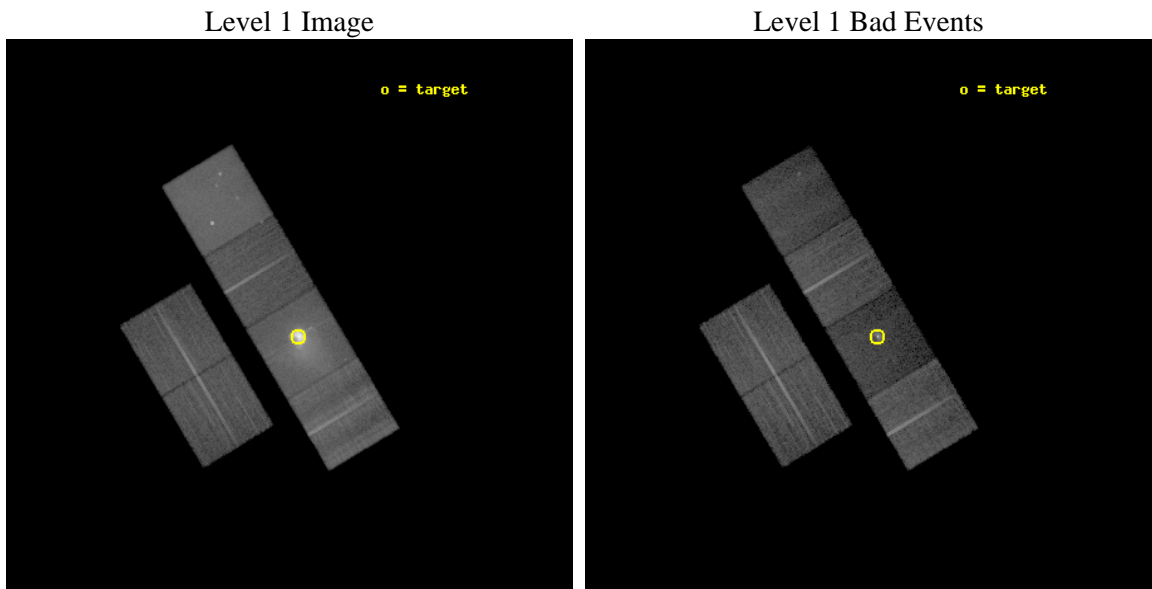
seq_num	500264	Sequence number
obs_id	2814	Observation id
title	THE DYNAMICAL PULSAR-WIND NEBULA IN THE VELA SNR	Proposal title
observer	Dr. George Pavlov	Principal investigator
object	VELA PWN	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	128.83625	Observer's specified target RA [deg]
dec_targ	-45.176667	Observer's specified target Dec [deg]
ra_nom	128.85954297723	Nominal RA [deg]
dec_nom	-45.152591213056	Nominal Dec [deg]
roll_nom	59.173147345919	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20124.800018728	Sum of GTIs [s]
livetime	19869.967683191	Livetime [s]
ontime2	20124.800018728	Sum of GTIs [s]
ontime3	20124.800018728	Sum of GTIs [s]
ontime5	20124.800018728	Sum of GTIs [s]
ontime6	20124.800018728	Sum of GTIs [s]
ontime7	20124.800018728	Sum of GTIs [s]
ontime8	20124.800018728	Sum of GTIs [s]
l2events	643973	Number of level 2 events



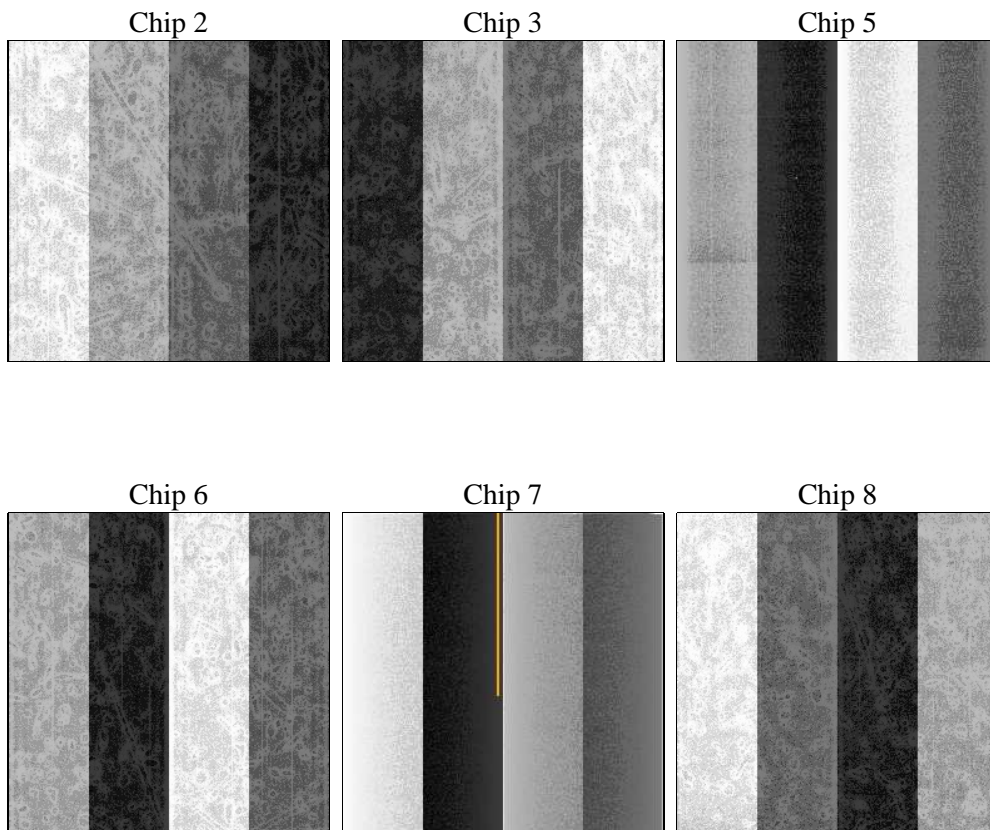
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20124.800018728	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	20124.800018728	Sum of GTIs [s]
date	2012-09-28T06:23:58	Date and time of file creation	ontime3	20124.800018728	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	20124.800018728	Sum of GTIs [s]
			ontime6	20124.800018728	Sum of GTIs [s]
			ontime7	20124.800018728	Sum of GTIs [s]
			ontime8	20124.800018728	Sum of GTIs [s]
			l1events	1251518	Number of level 1 events

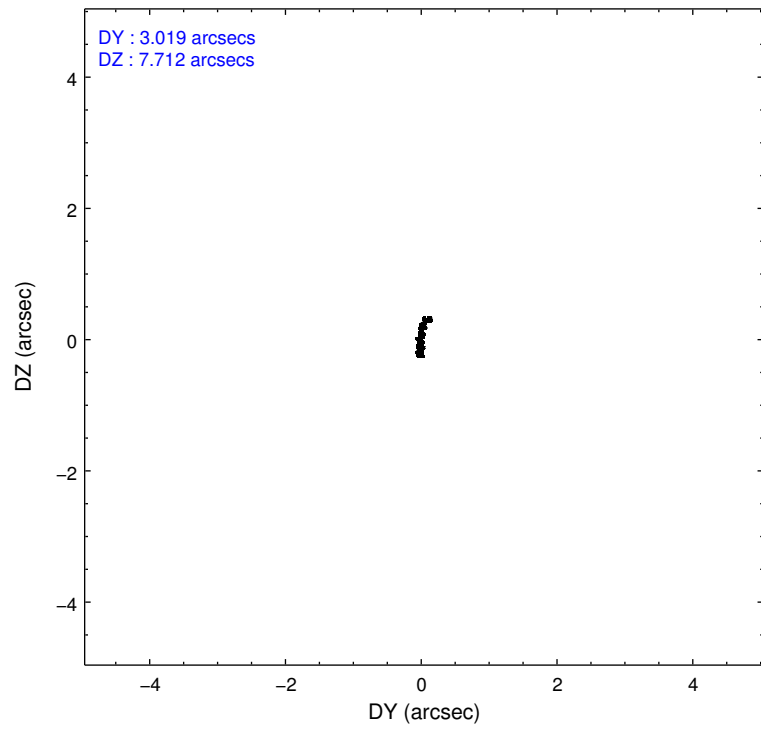
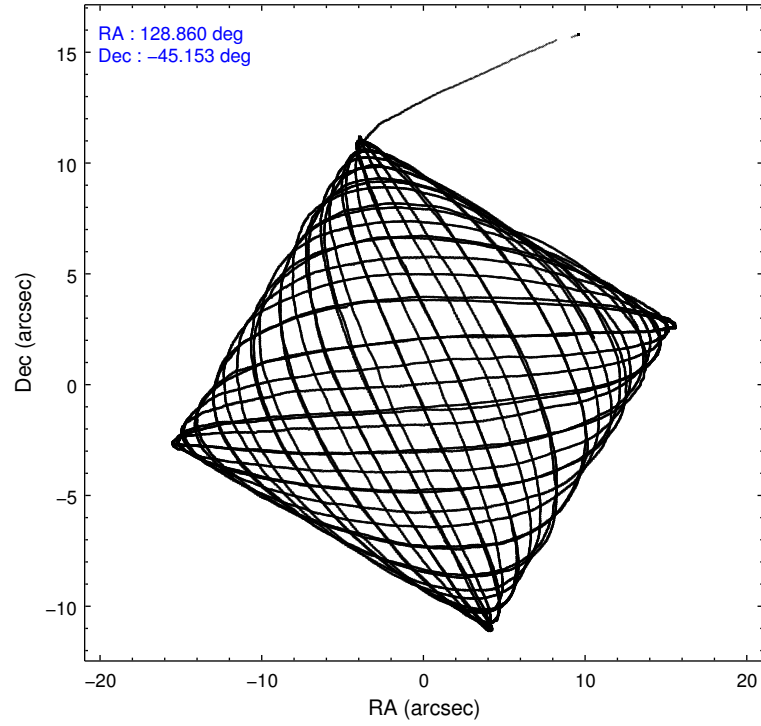
2.1.4 Events

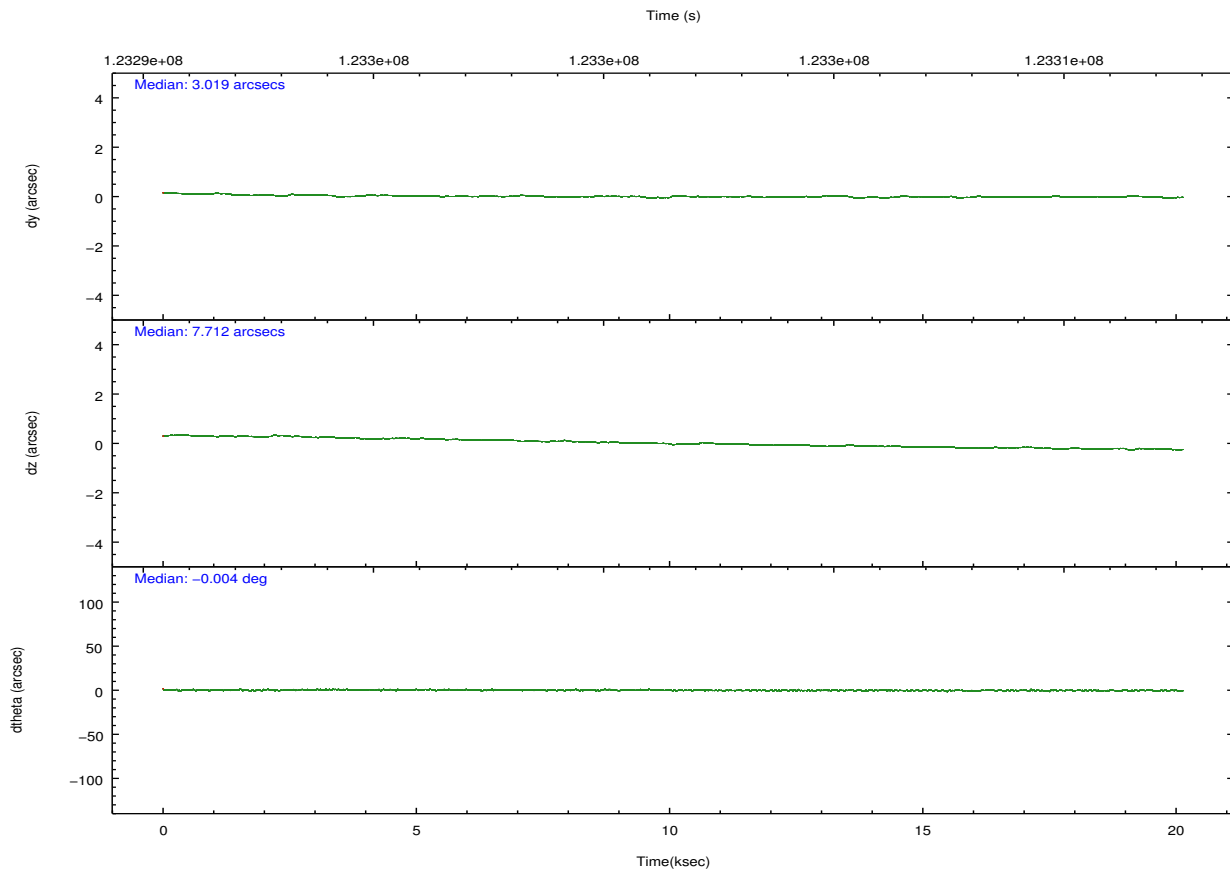
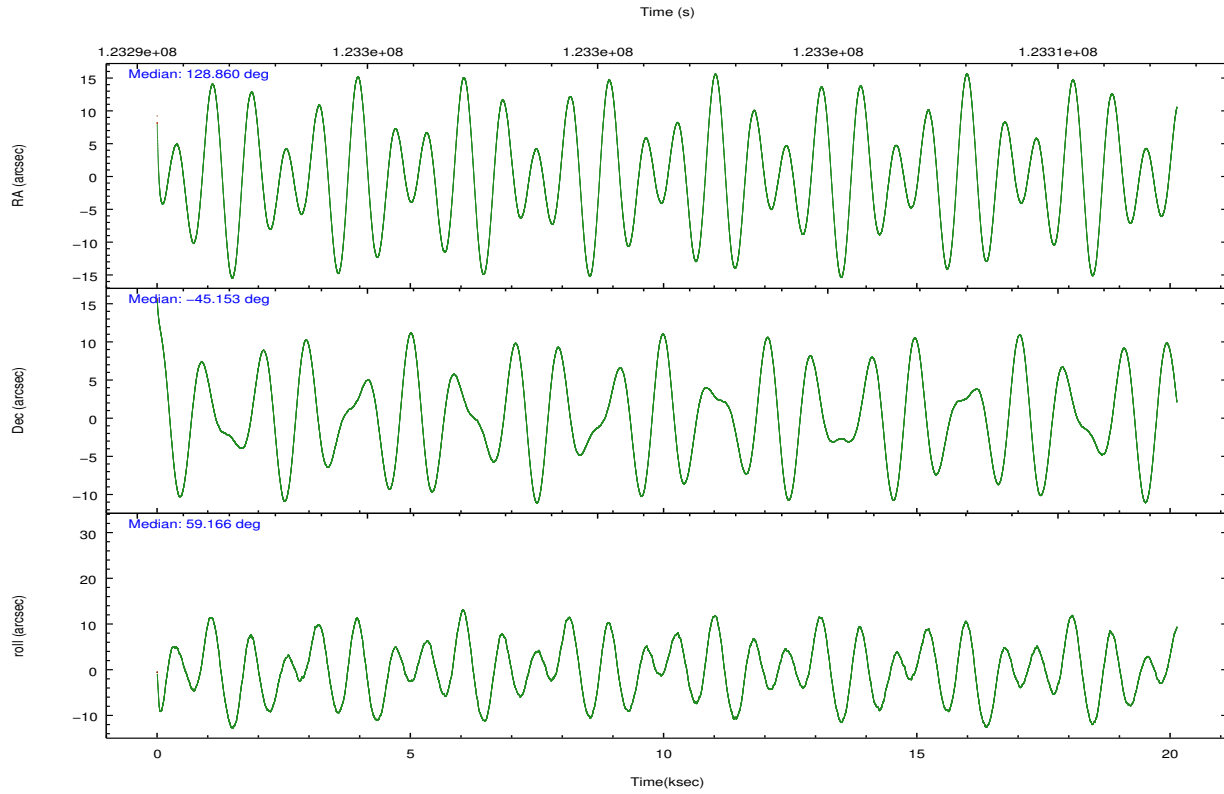
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	130715	130182	220410	132070	437009	201132	grade 0 events	16971	23124	66279	24542	118796	47770
rejected events	105555	98334	61757	98220	61950	108262		12%	17%	30%	18%	27%	23%
rejected %	80%	75%	28%	74%	14%	53%	grade 1 events	114	121	207	106	810	279
								0%	0%	0%	0%	0%	0%
							grade 2 events	3766	3955	38766	4202	94454	12522
								2%	3%	17%	3%	21%	6%
							grade 3 events	1312	1502	9543	1630	41726	10220
								1%	1%	4%	1%	9%	5%
							grade 4 events	1408	1521	9307	1593	41432	9356
								1%	1%	4%	1%	9%	4%
							grade 5 events	2713	3066	10823	3330	13397	5102
								2%	2%	4%	2%	3%	2%
							grade 6 events	1996	2089	37567	2330	83139	14264
								1%	1%	17%	1%	19%	7%
							grade 7 events	102435	94804	47918	94337	43255	101619
								78%	72%	21%	71%	9%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	128.859444	128.8595429772287	Subarray requested	NONE	NONE
[deg] Pointing Dec	-45.179871	-45.15259121305611	Alternating exposures requested	N	N
[deg] Pointing Roll	59.016447	59.17314734591858	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	123291575.184000	123290301.81904			
Observation start date	2001-11-27T23:38:31	2001-11-27T23:18:21			
[s] Observation end time (MET)	123311575.184000	123312605.30744			
Observation end date	2001-11-28T05:11:51	2001-11-28T05:30:05			
Read mode	TIMED	TIMED			

2.3 Aspect



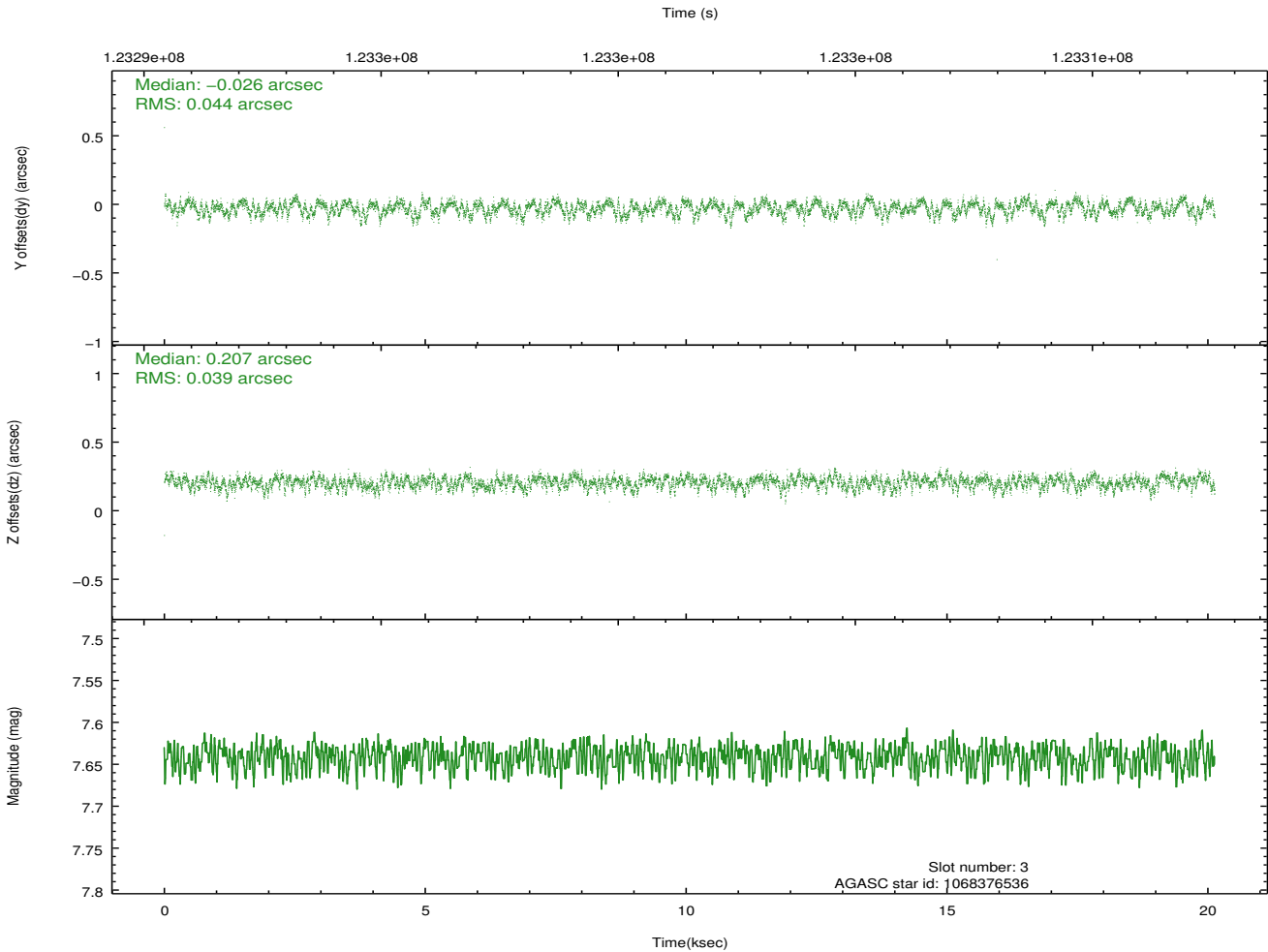
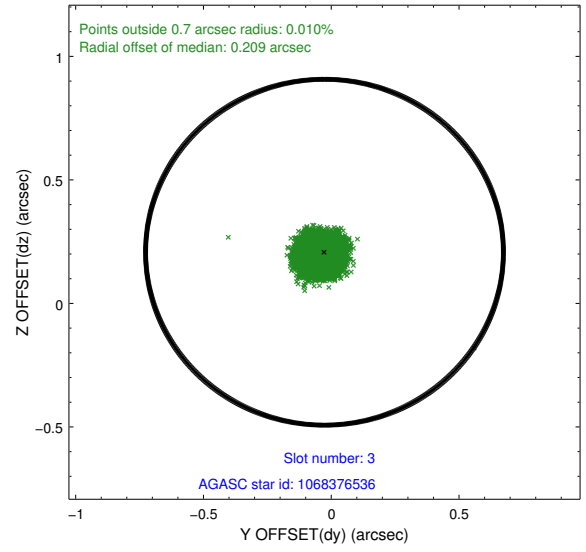
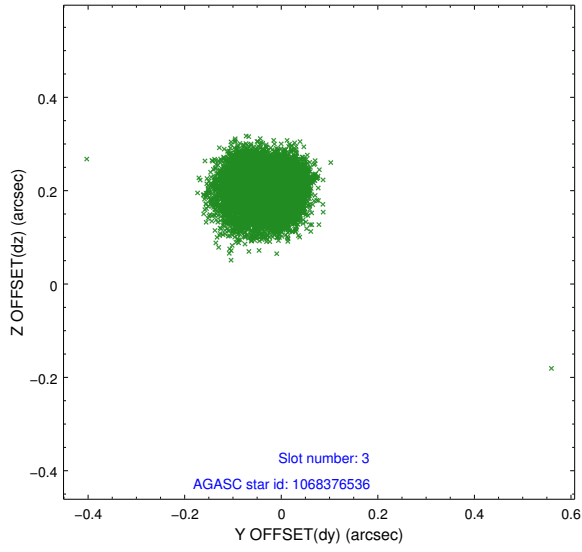


Slot Statistics

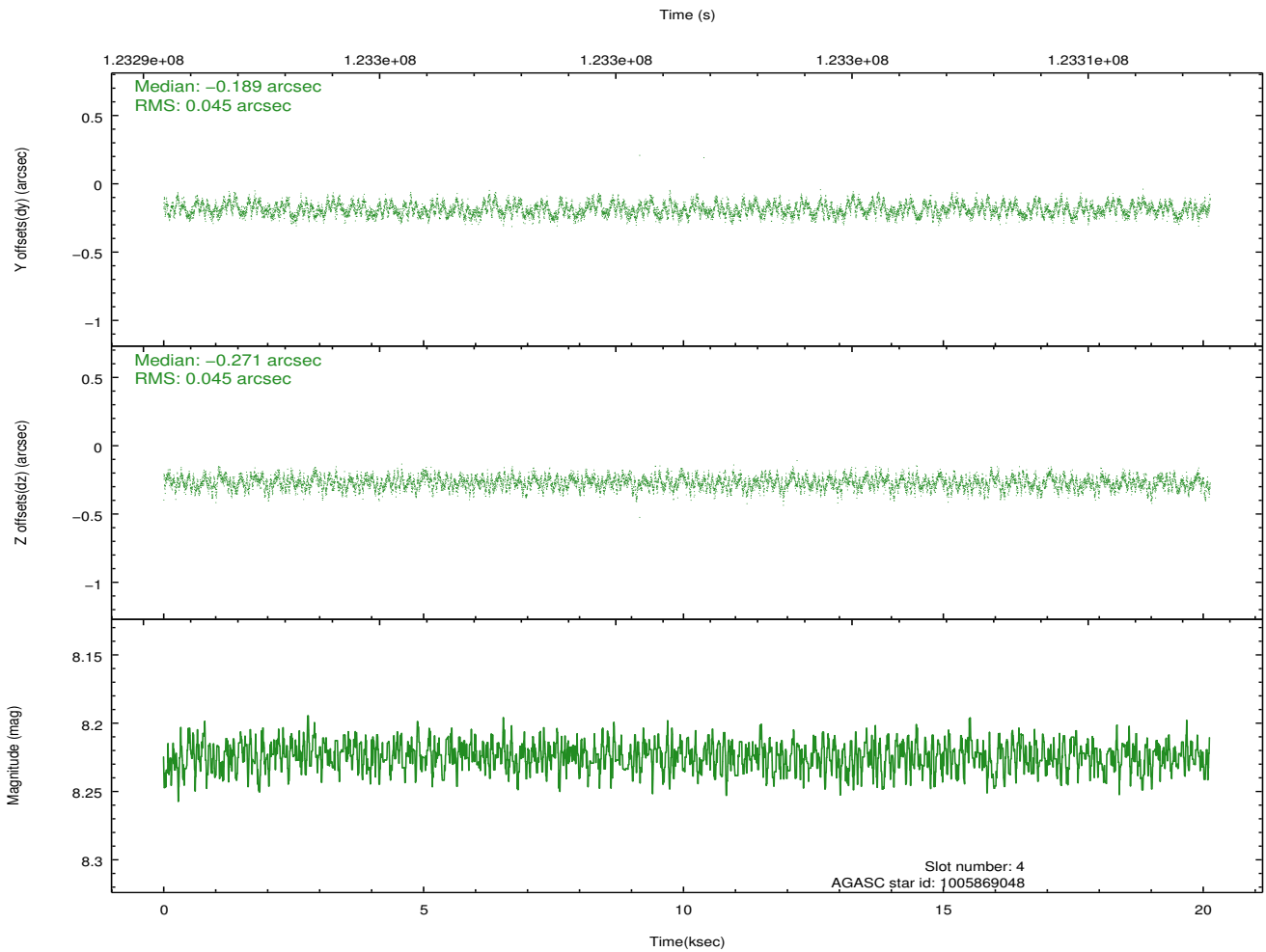
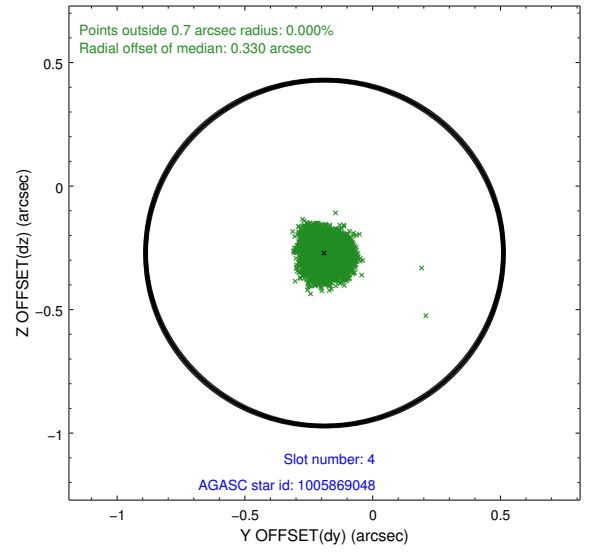
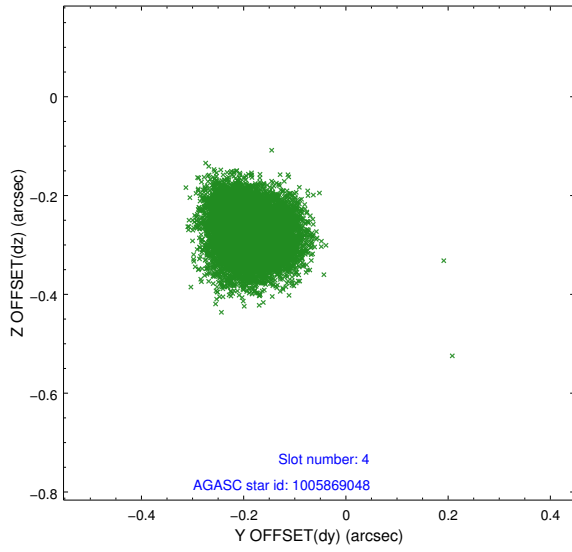
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4911	-0.002	0.003	0.007	0.012	0.000000	0.000000	-755.68	-1728.86
1	FID	ACIS-S-4	7.20	4910	-0.040	0.000	0.006	0.010	0.000000	0.000000	2157.48	179.42
2	FID	ACIS-S-5	7.24	4910	0.012	0.006	0.008	0.014	0.000000	0.000000	-1808.26	173.32
3	GUIDE	1068376536	7.64	9821	-0.026	0.207	0.062	0.099	129.556408	-45.593502	-379.32	-2275.47
4	GUIDE	1005869048	8.22	9822	-0.189	-0.271	0.068	0.105	128.429058	-44.495949	1538.65	2213.21
5	GUIDE	1068239704	8.57	9817	0.049	0.093	0.057	0.094	129.331182	-45.207211	528.64	-1077.88
6	GUIDE	1005872888	8.42	9821	-0.039	-0.084	0.051	0.082	128.718363	-44.887099	717.72	850.79
7	GUIDE	1068238552	9.30	9793	0.207	0.060	0.092	0.145	128.941120	-45.368483	-475.79	-526.64

2.4 Star Slots

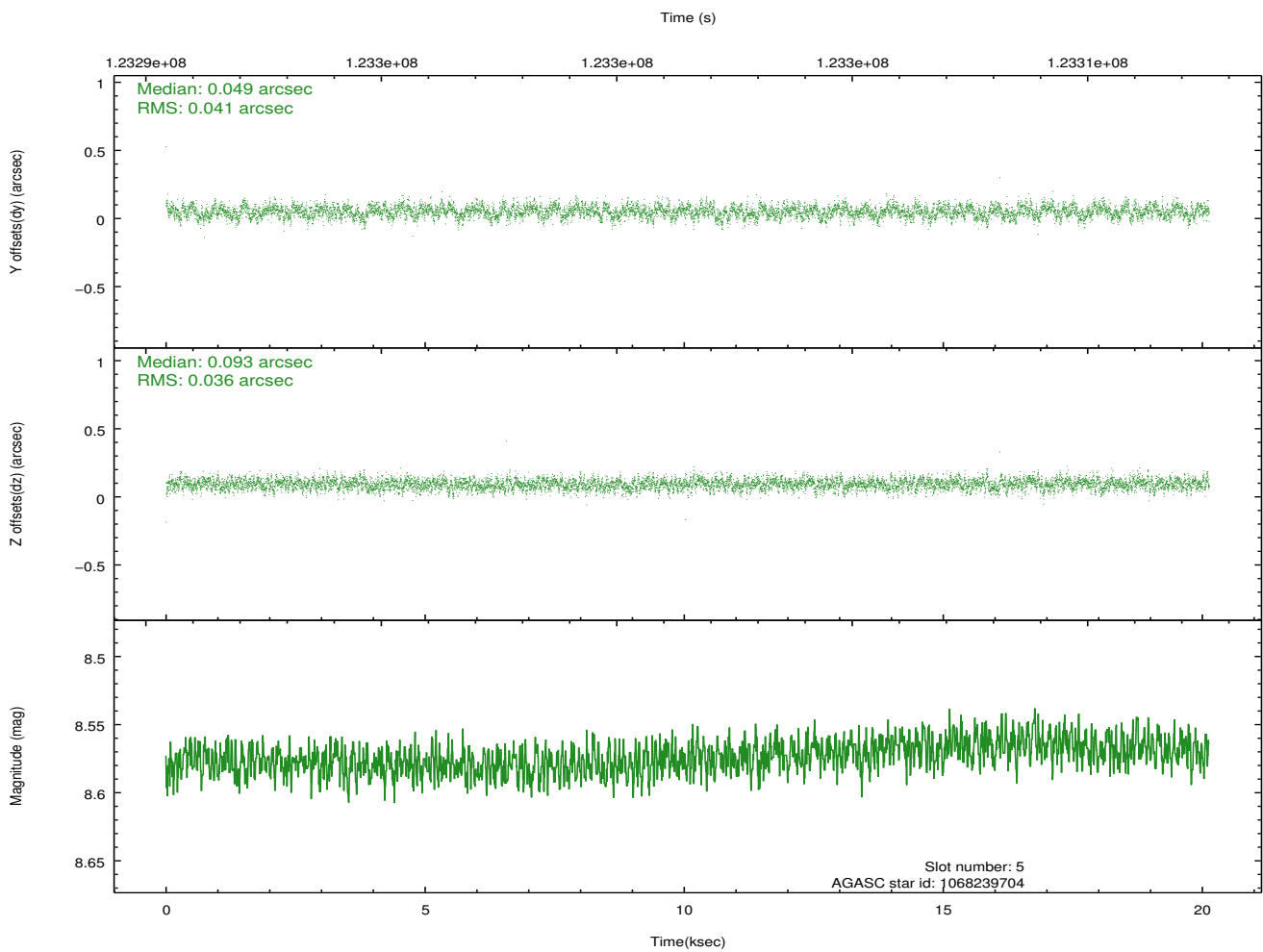
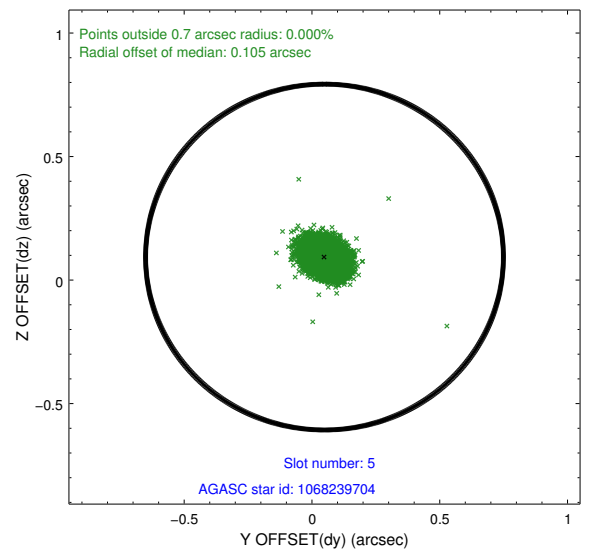
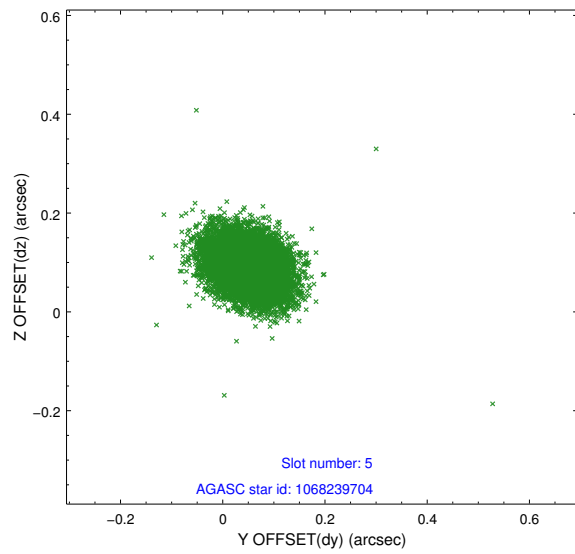
2.4.1 Slot 3



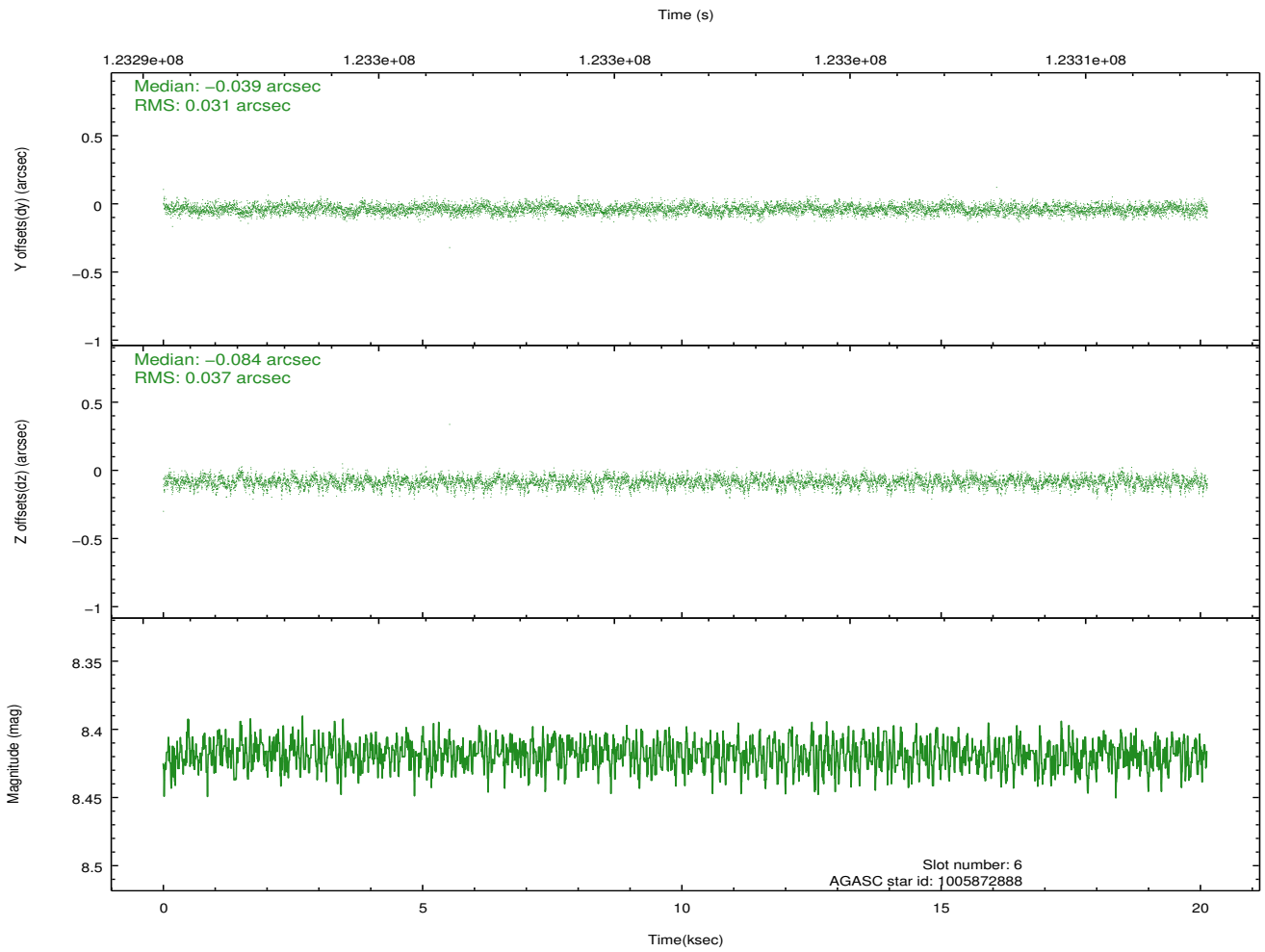
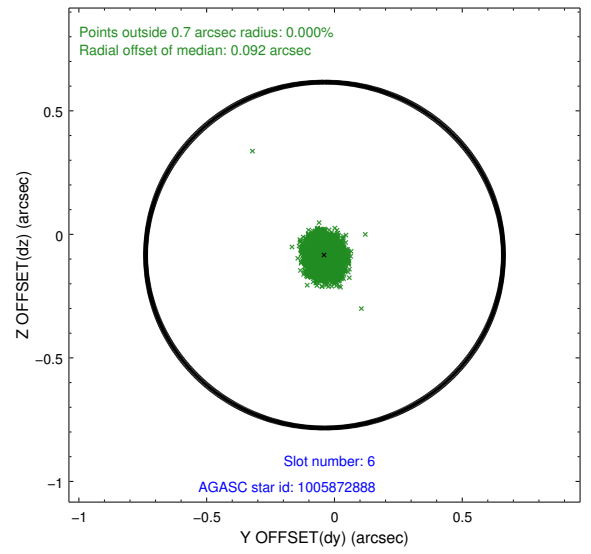
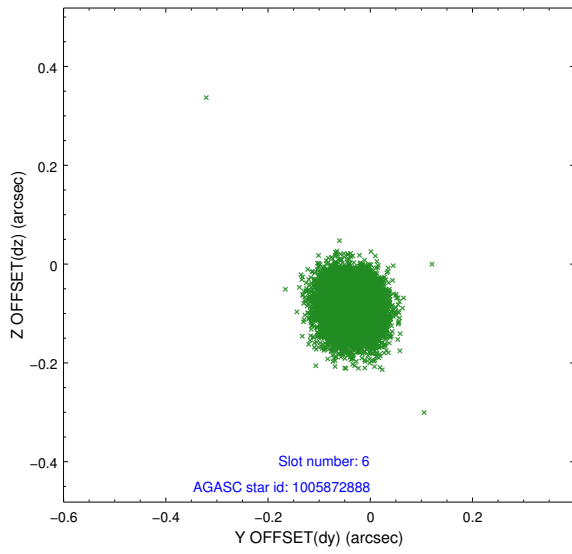
2.4.2 Slot 4



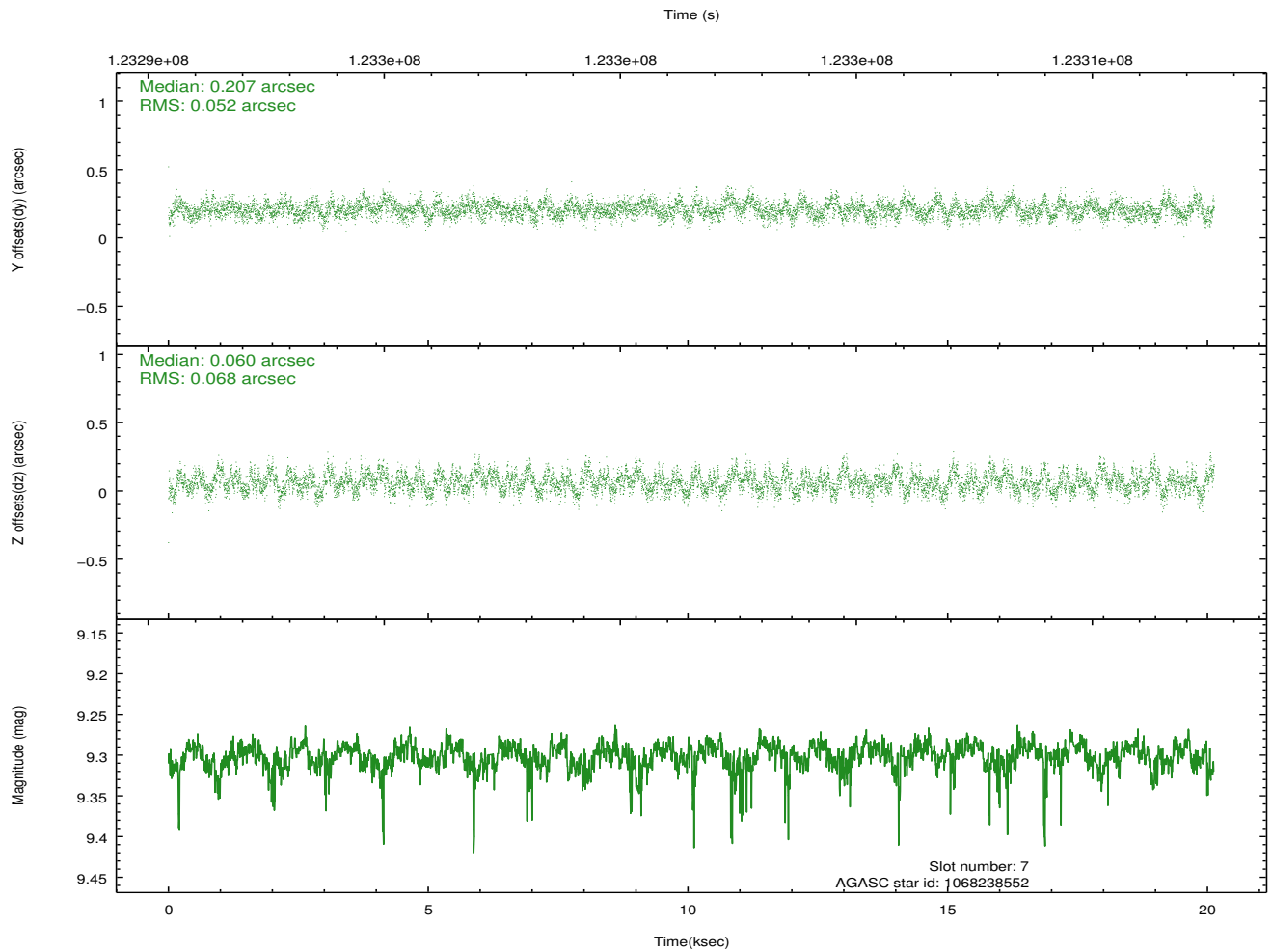
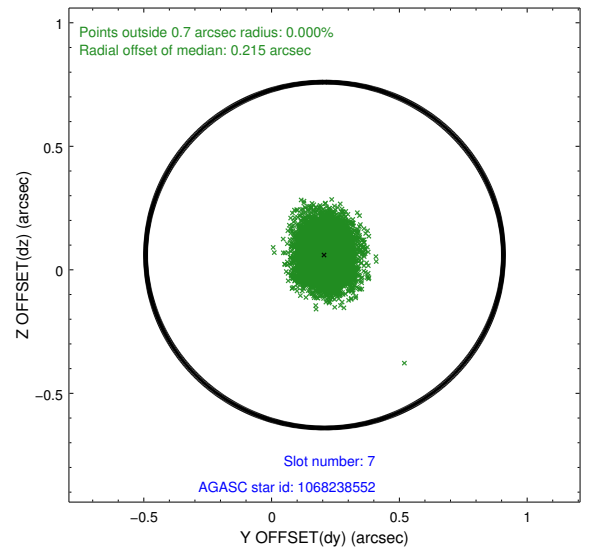
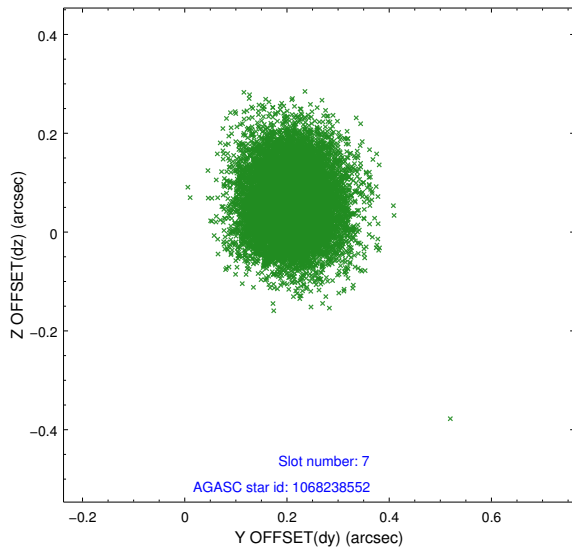
2.4.3 Slot 5



2.4.4 Slot 6

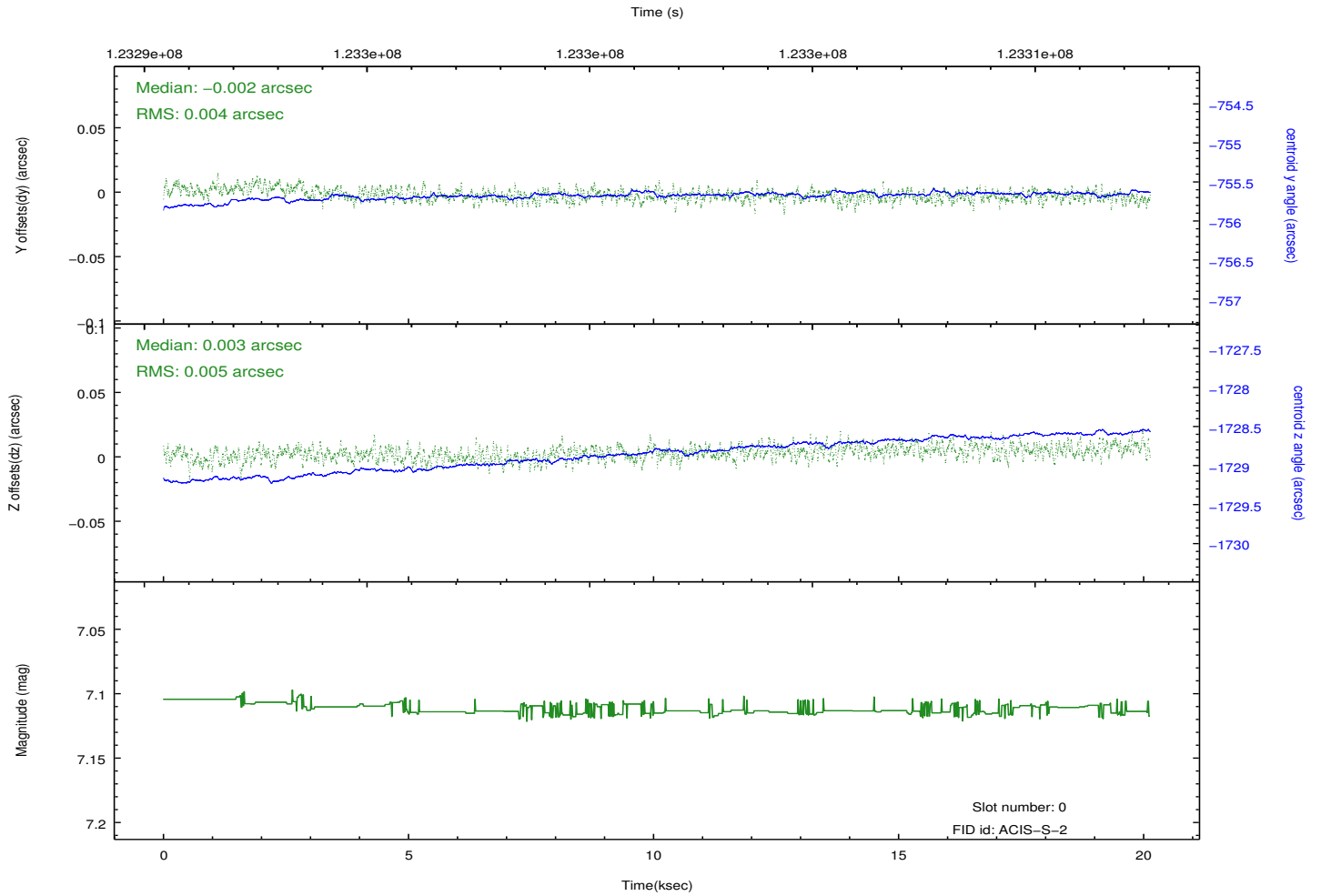
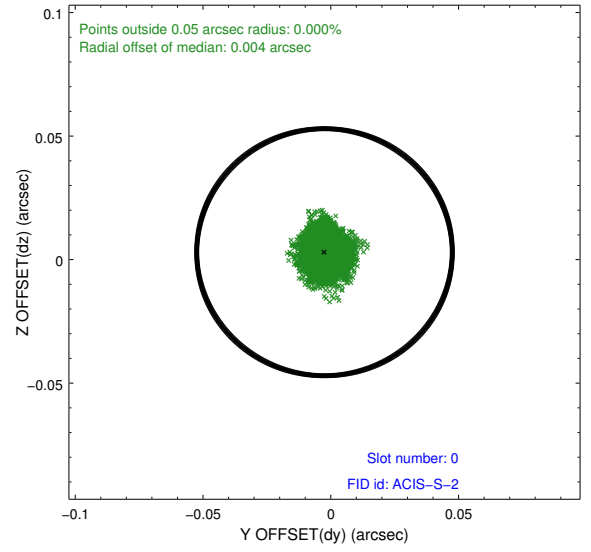
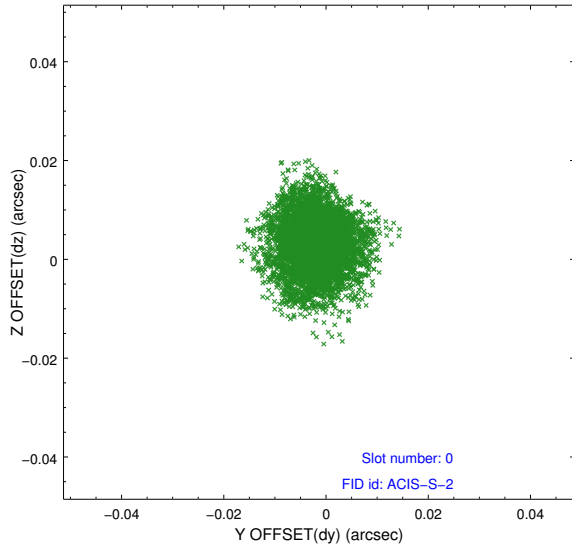


2.4.5 Slot 7

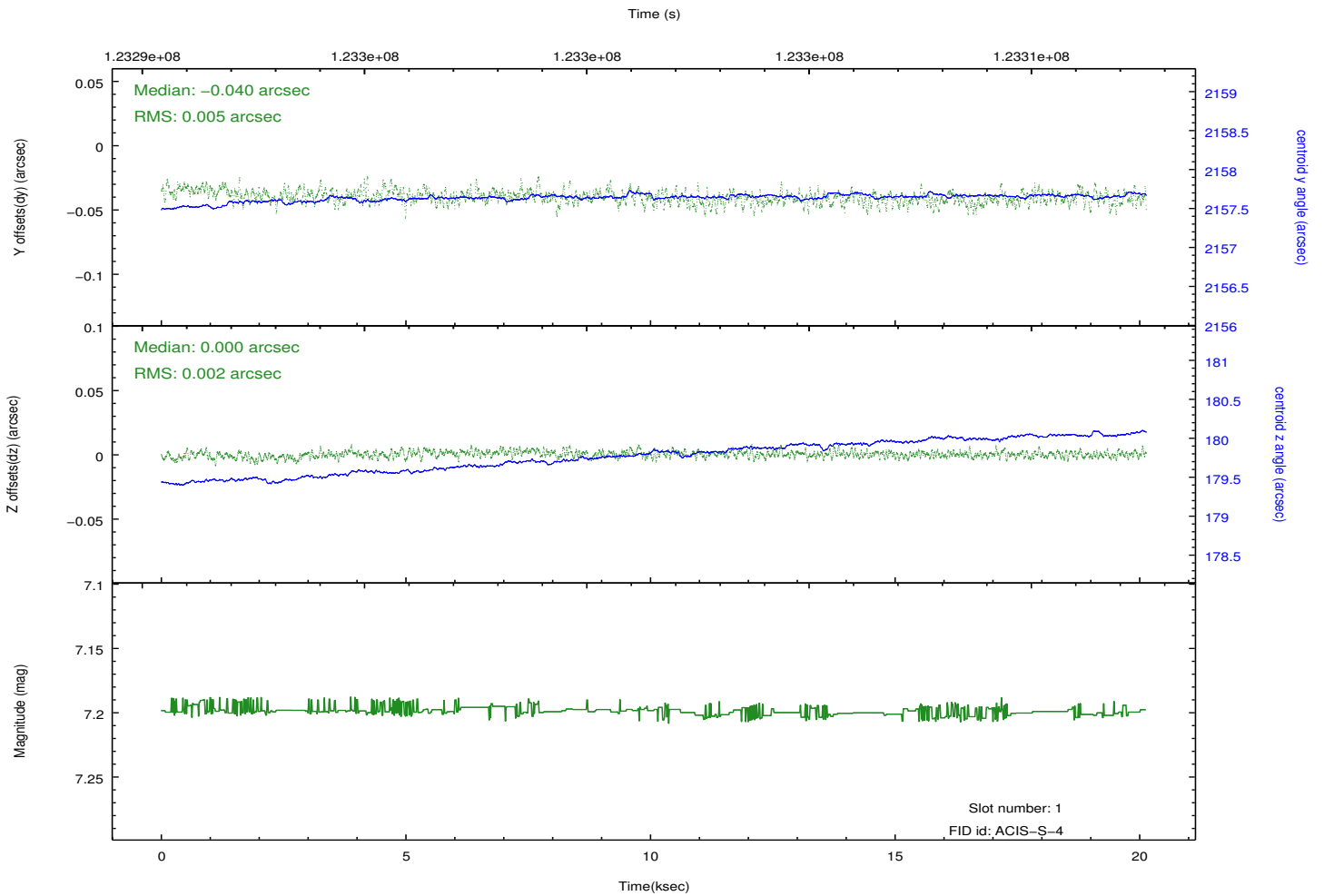
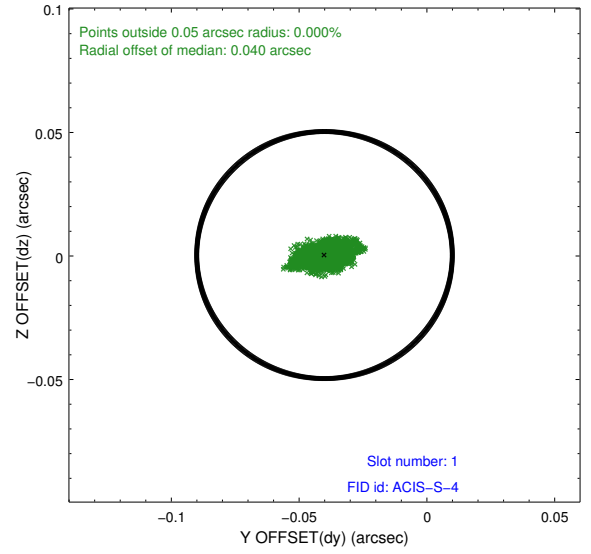
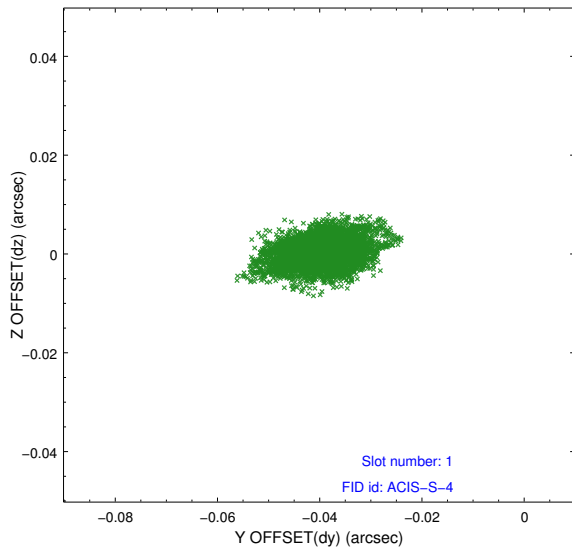


2.5 FID Slots

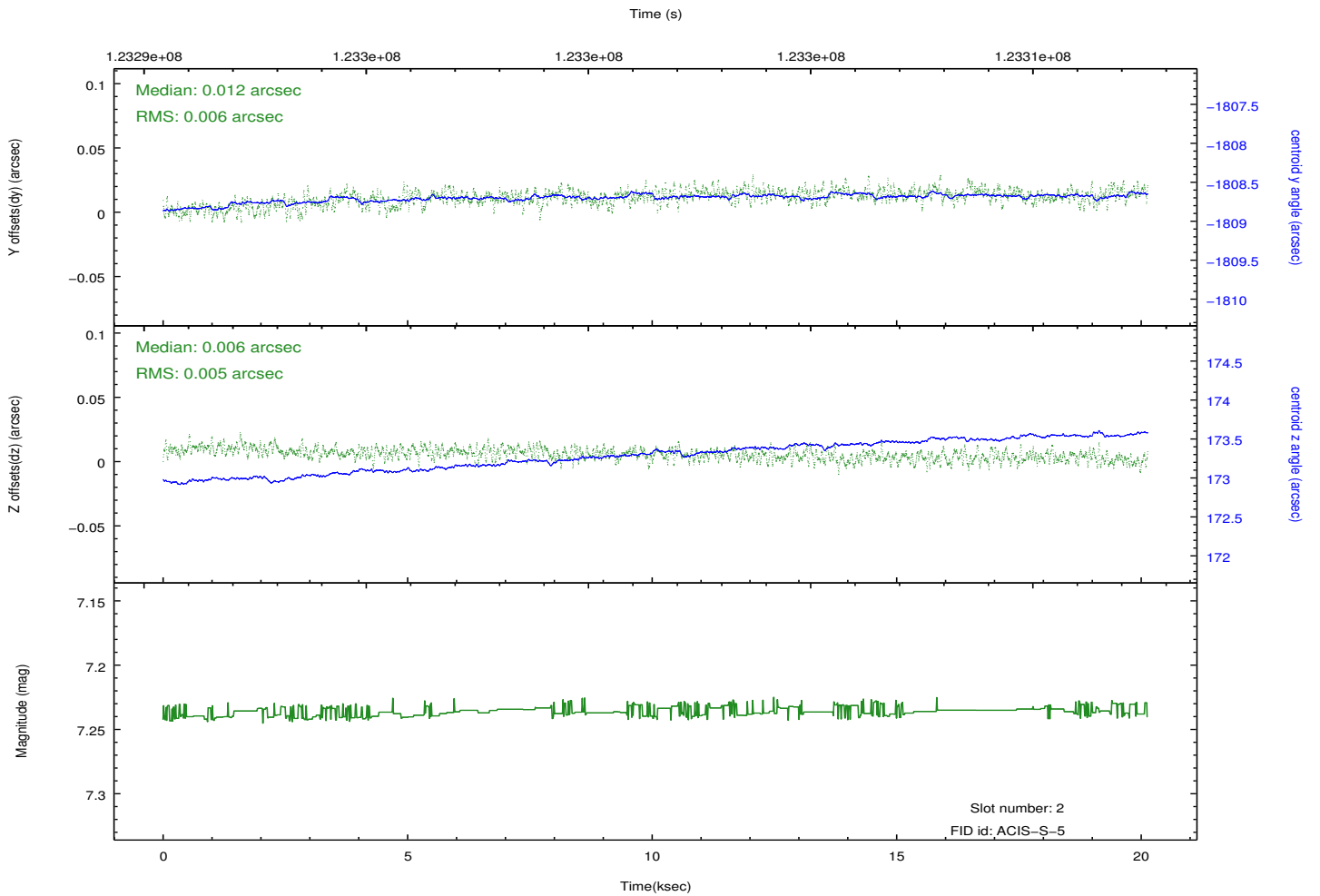
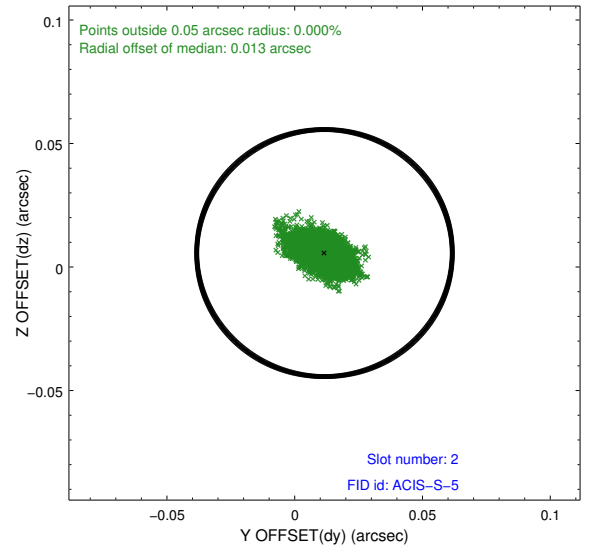
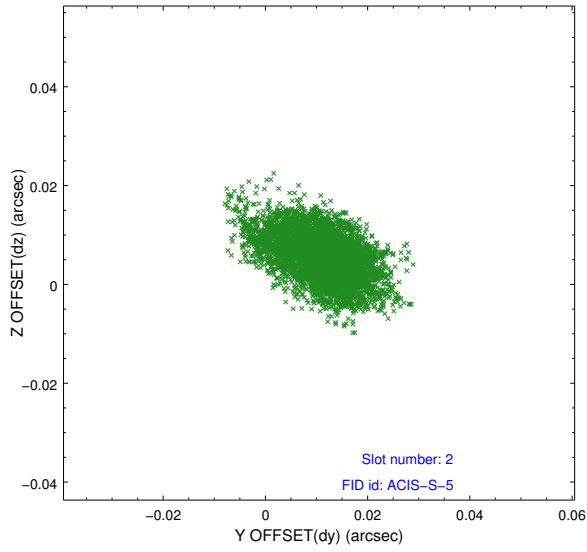
2.5.1 Slot 0



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)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.124

A.2 Comments