

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6733 - L2 Version 3
Chandra X-Ray Center

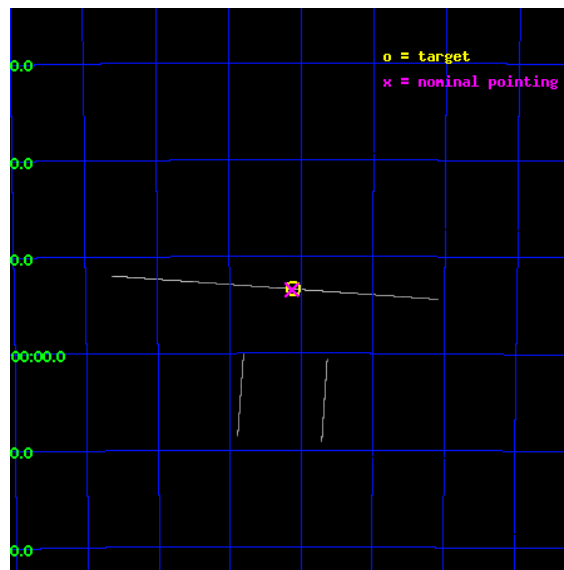
L2 Processing Date : Mar 26 2012

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1 Front

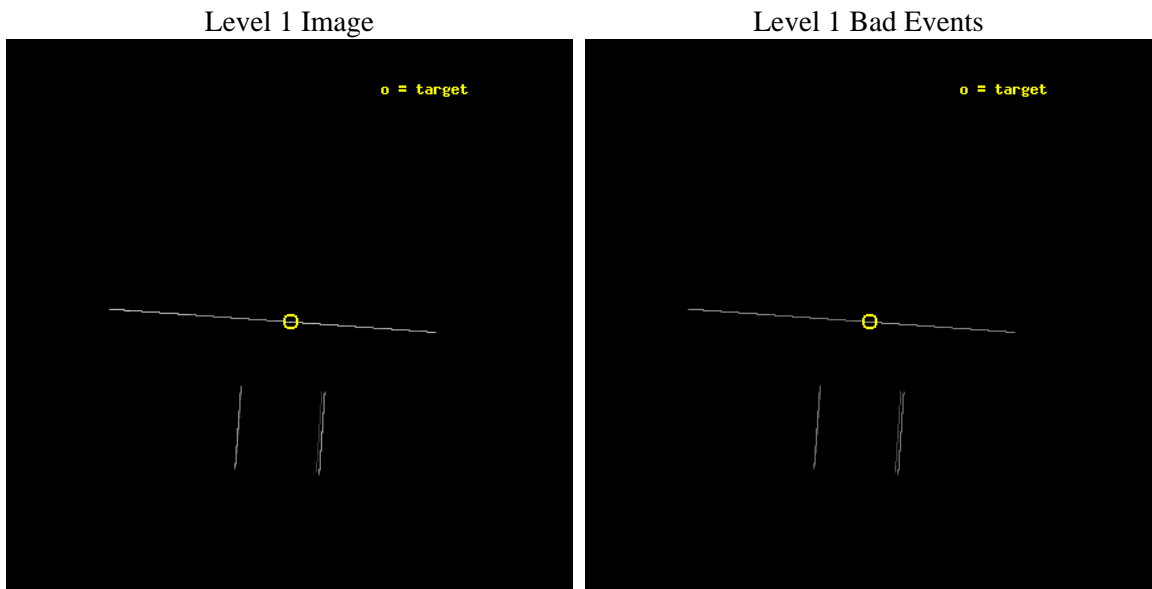
seq_num	500680	Sequence number
obs_id	6733	Observation id
title	THE X-RAY SPECTRAL AND OPTICAL/IR FLUX VARIABILITY IN MAGNETARS	Pr
observer	Professor Victoria Kaspi	Principal investigator
object	1E 1048.1-5937	Source name
ra_targ	162.529583	Observer's specified target RA [deg]
dec_targ	-59.889278	Observer's specified target Dec [deg]
ra_nom	162.5322887894	Nominal RA [deg]
dec_nom	-59.890840147263	Nominal Dec [deg]
roll_nom	4.001959131551	Nominal Roll [deg]
revision	3	Processing version of data
ontime	22172.0	Sum of GTIs [s]
livetime	22085.390625	Livetime [s]
ontime2	22172.0	Sum of GTIs [s]
ontime3	22172.0	Sum of GTIs [s]
ontime5	22172.0	Sum of GTIs [s]
ontime6	22172.0	Sum of GTIs [s]
ontime7	22172.0	Sum of GTIs [s]
ontime8	22172.0	Sum of GTIs [s]
l2events	368608	Number of level 2 events



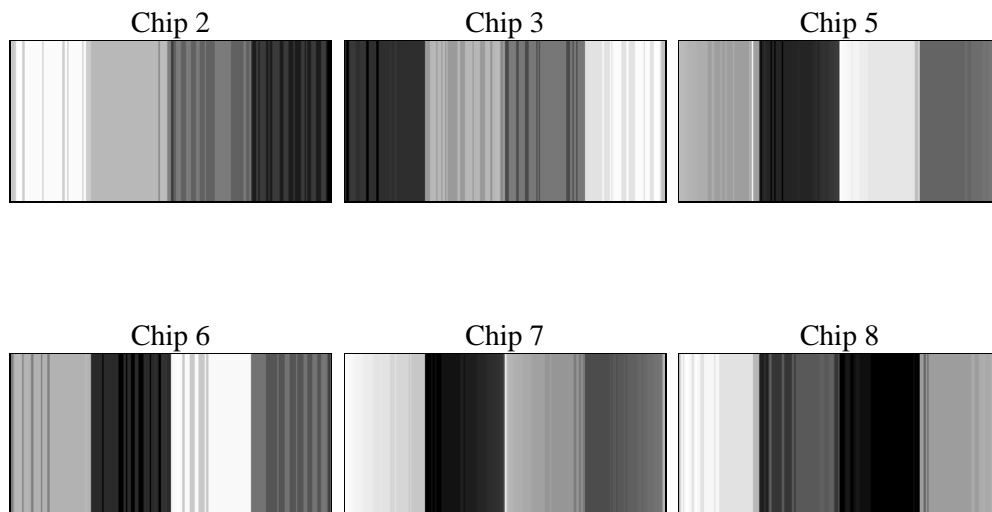
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	22172.0	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	22172.0	Sum of GTIs [s]
date	2012-03-26T06:53:29	Date and time of file creation	ontime3	22172.0	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	22172.0	Sum of GTIs [s]
			ontime6	22172.0	Sum of GTIs [s]
			ontime7	22172.0	Sum of GTIs [s]
			ontime8	22172.0	Sum of GTIs [s]
			l1events	582154	Number of level 1 events

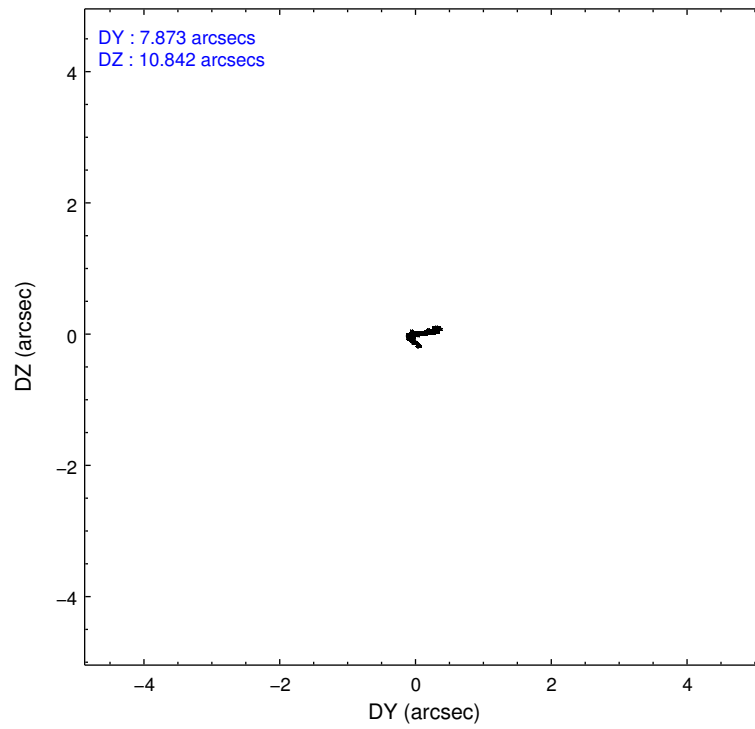
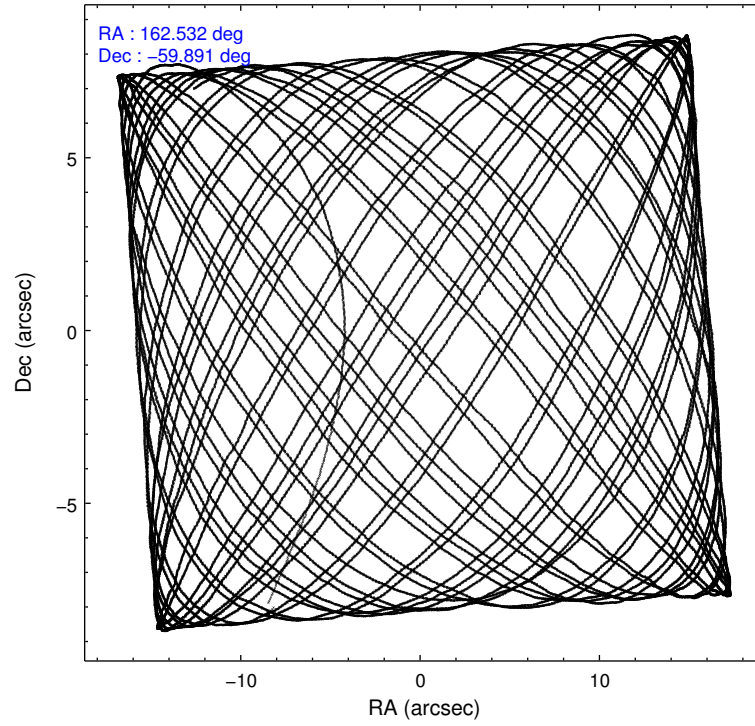
2.1.4 Events

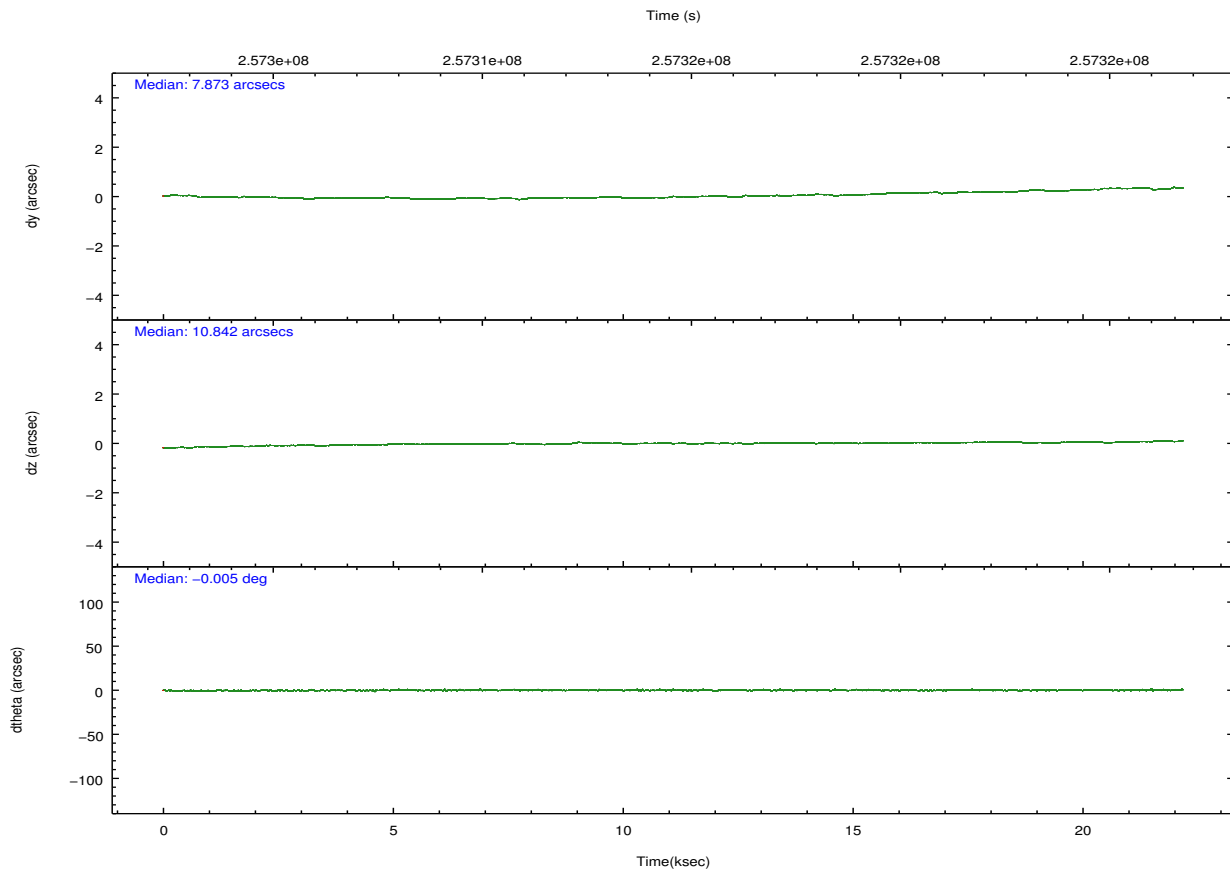
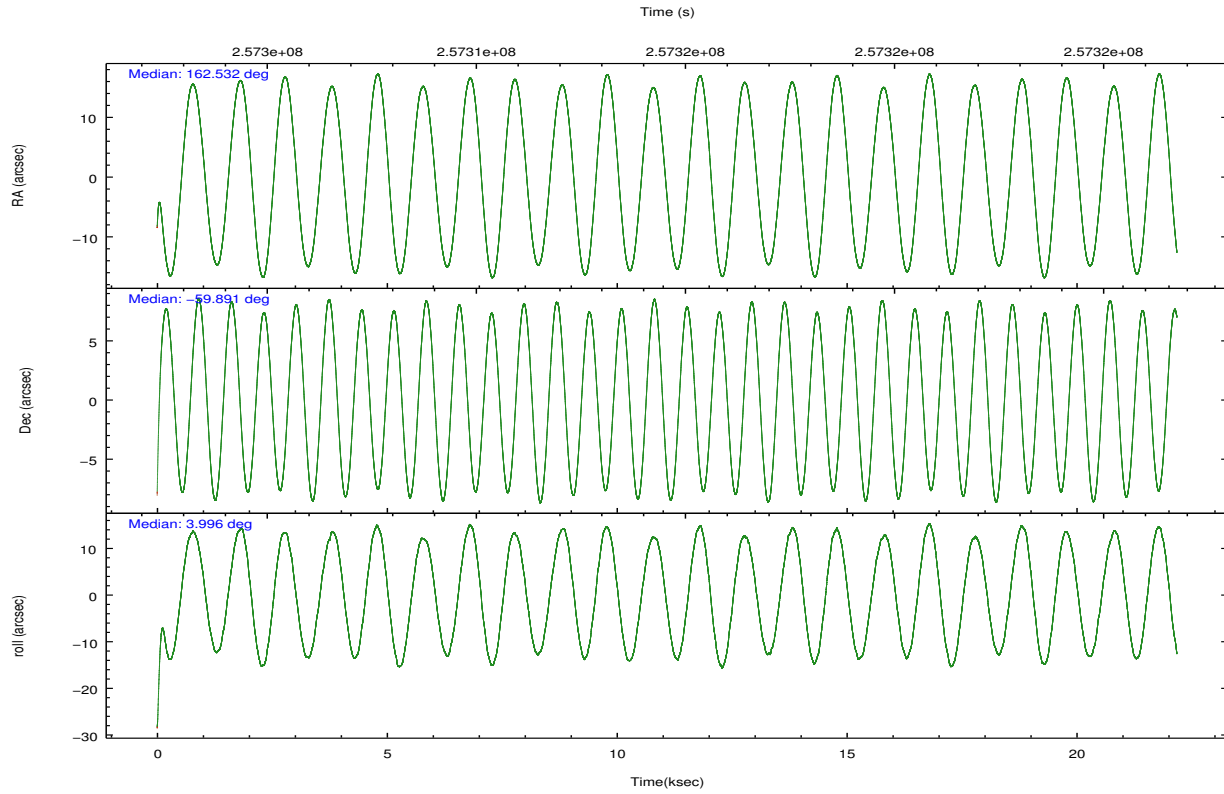
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	40156	43785	210558	44247	153164	90244	grade 0 events	4946	5048	54115	4388	14666	16078
rejected events	8388	9212	23967	10045	25558	14463		12%	11%	25%	9%	9%	17%
rejected %	20%	21%	11%	22%	16%	16%	grade 1 events	182	174	318	169	327	376
								0%	0%	0%	0%	0%	0%
							grade 2 events	12316	13856	52726	13371	33322	24936
								30%	31%	25%	30%	21%	27%
							grade 3 events	4323	4875	3687	4662	10071	8637
								10%	11%	1%	10%	6%	9%
							grade 4 events	4416	4319	3562	4383	9789	8458
								10%	9%	1%	9%	6%	9%
							grade 5 events	7344	8029	17903	8786	22177	11893
								18%	18%	8%	19%	14%	13%
							grade 6 events	6629	7484	78247	8488	62812	19866
								16%	17%	37%	19%	41%	22%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	162.487687	162.532288789405	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.906395	-59.89084014726254	Alternating exposures requested	N	N
[deg] Pointing Roll	3.806749	4.001959131550963	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	257303644.184000	257302792.32808			
Observation start date	2006-02-26T01:12:59	2006-02-26T00:59:52			
[s] Observation end time (MET)	257325644.184000	257326486.74168			
Observation end date	2006-02-26T07:19:39	2006-02-26T07:34:46			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



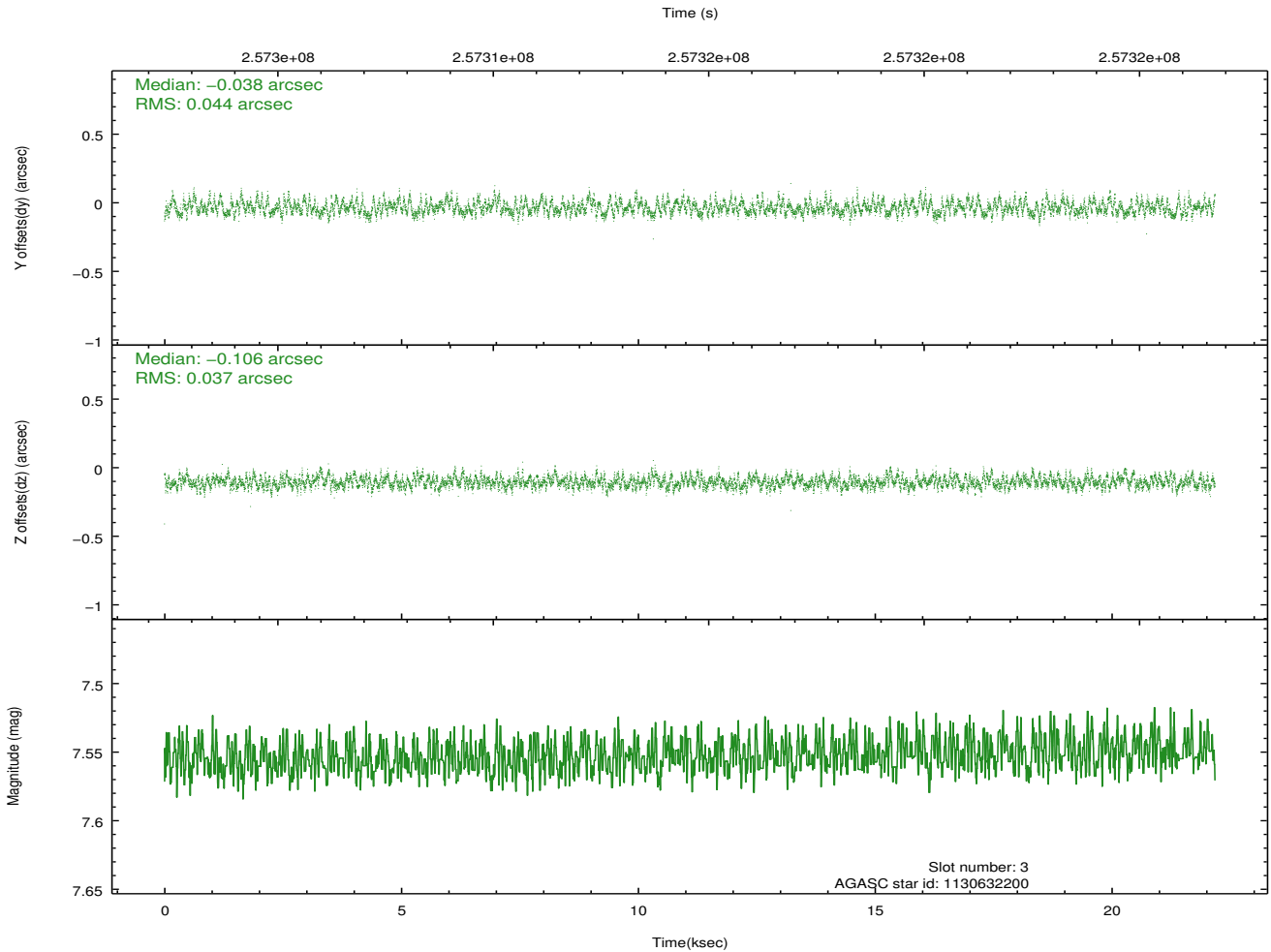
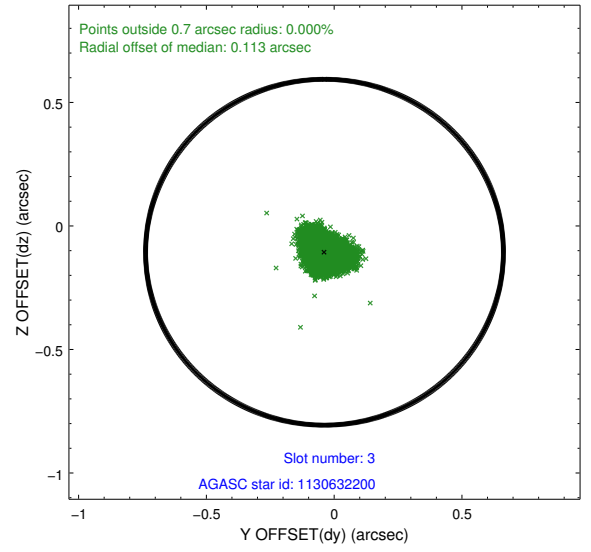
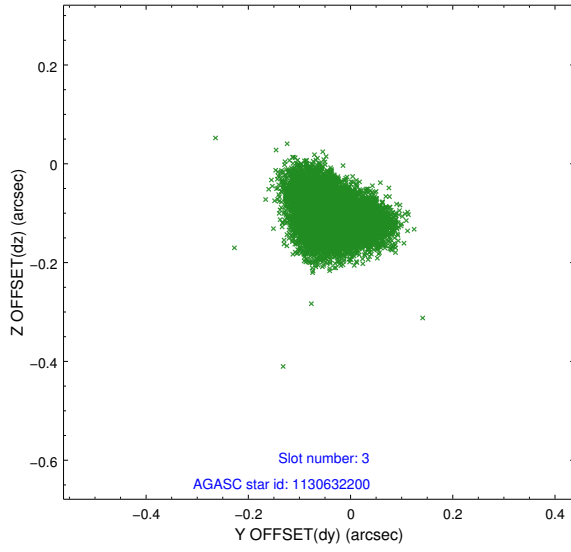


Slot Statistics

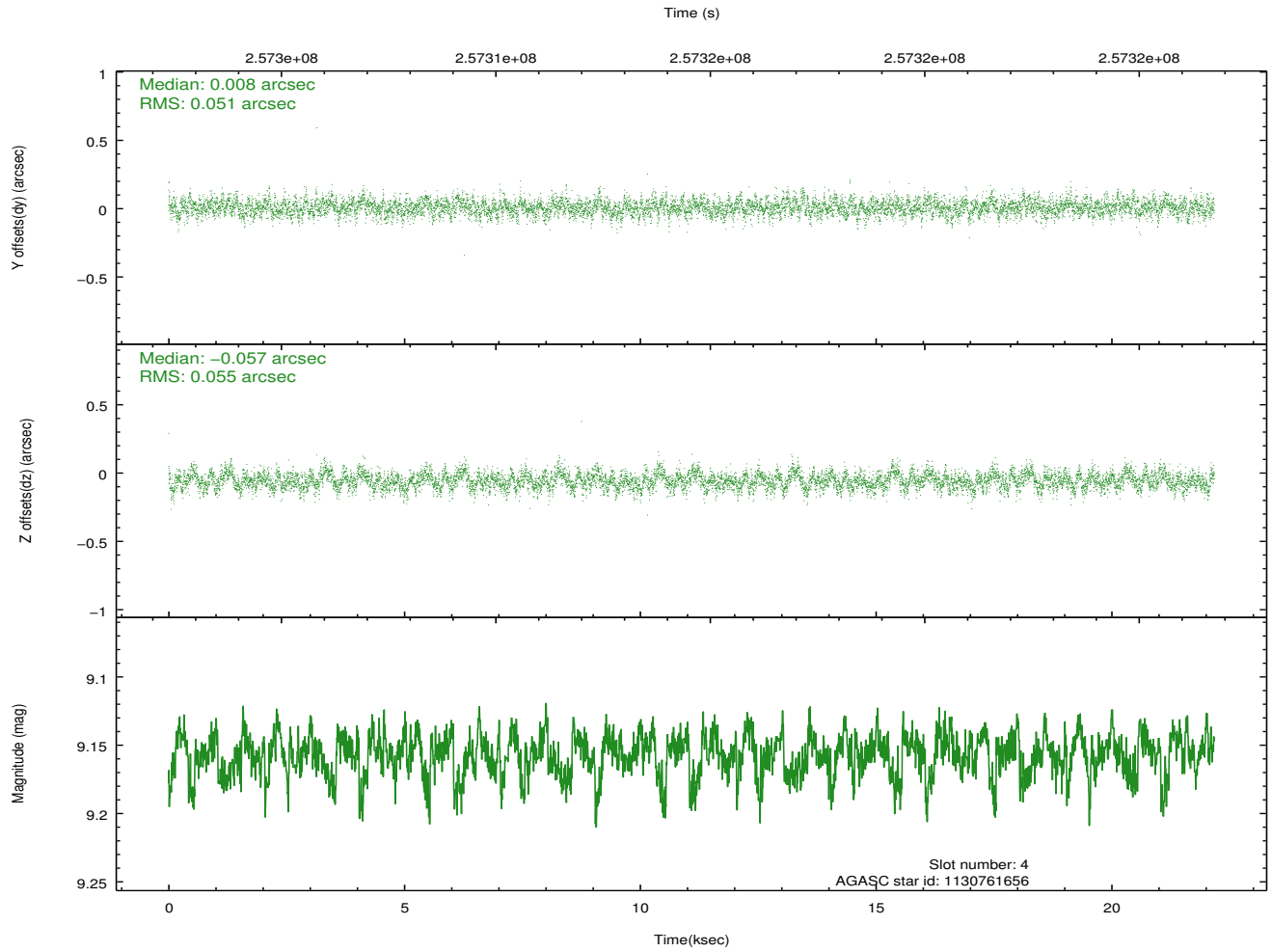
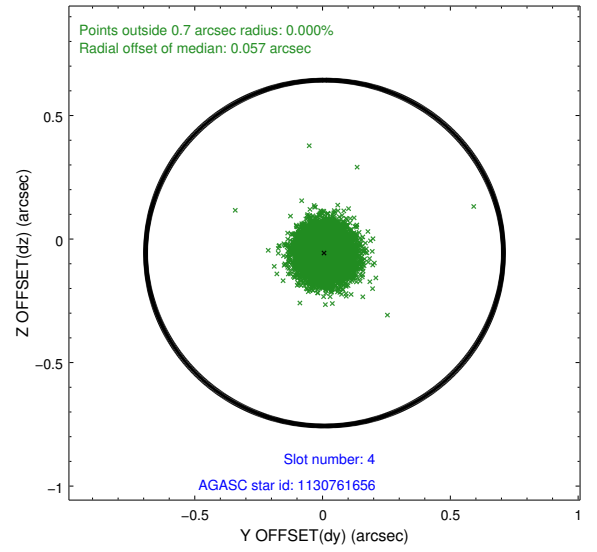
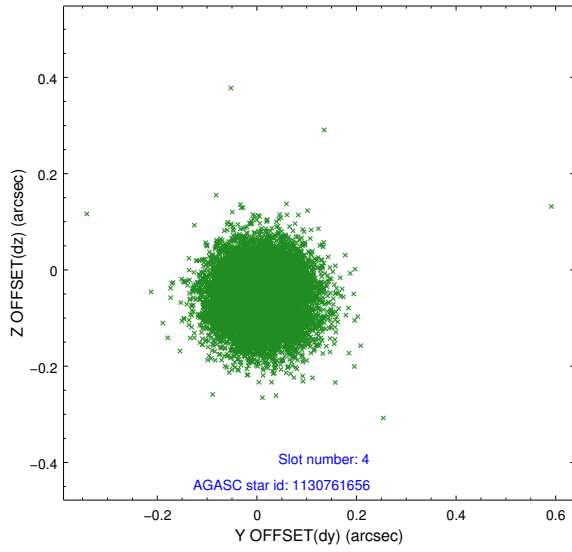
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	5409	-0.048	-0.021	0.007	0.012	0.000000	0.000000	-760.70	-1732.14
1	FID	ACIS-S-4	7.21	5410	0.130	0.029	0.007	0.013	0.000000	0.000000	2152.63	176.31
2	FID	ACIS-S-5	7.23	5409	-0.112	0.001	0.009	0.018	0.000000	0.000000	-1813.46	170.03
3	GUIDE	1130632200	7.55	10818	-0.038	-0.106	0.061	0.099	161.433843	-59.407820	-1808.38	1903.71
4	GUIDE	1130761656	9.16	10818	0.008	-0.057	0.080	0.128	163.475867	-59.582518	1873.58	1030.92
5	GUIDE	1174025248	8.76	10809	-0.014	0.128	0.091	0.143	161.784801	-60.573378	-1399.76	-2319.70
6	GUIDE	1174033752	8.45	10815	0.051	0.083	0.056	0.093	162.418977	-60.164599	-184.27	-919.36
7	GUIDE	1130640672	8.28	10817	-0.010	-0.046	0.060	0.097	162.096044	-59.540805	-625.86	1358.54

2.4 Star Slots

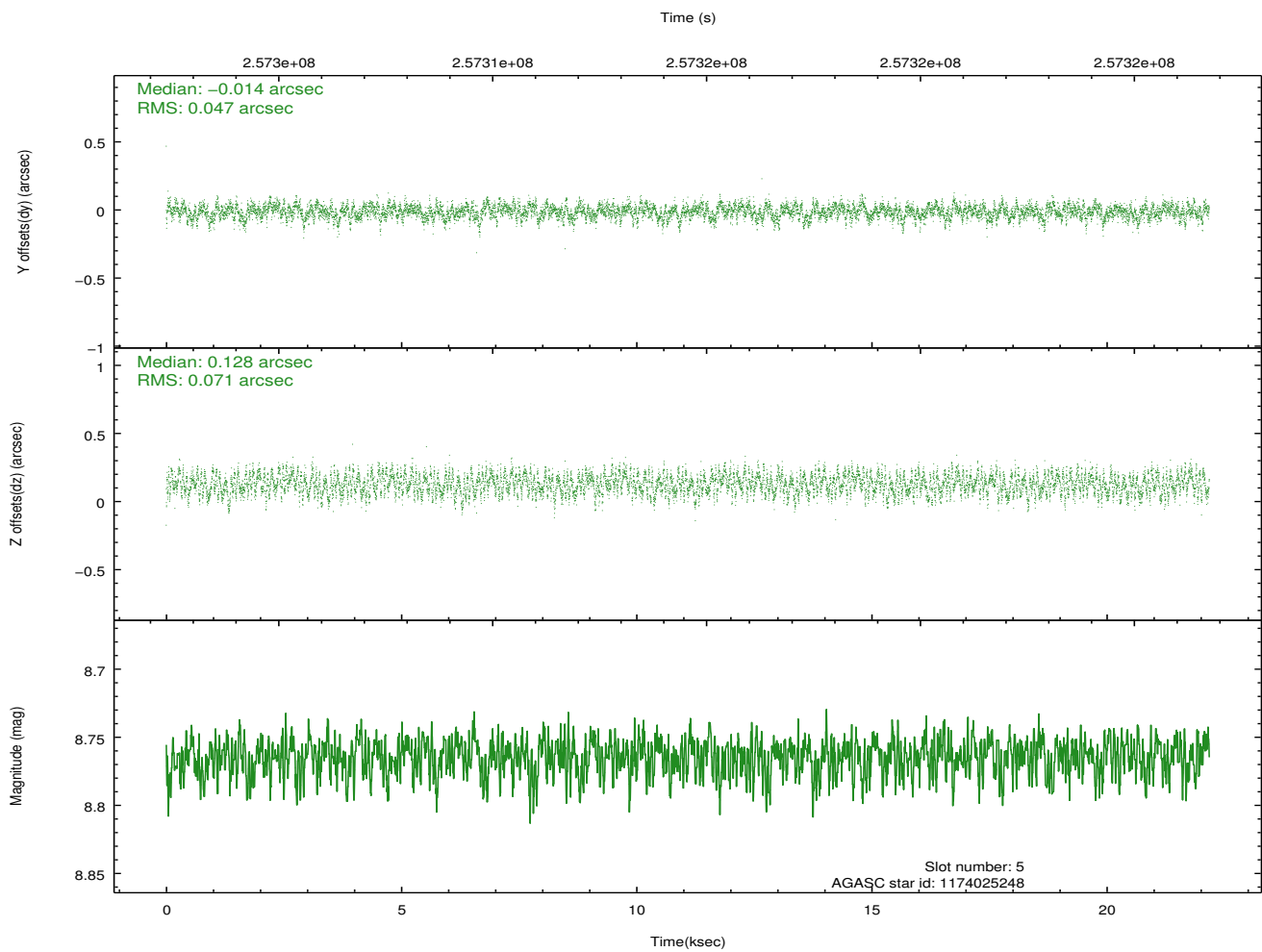
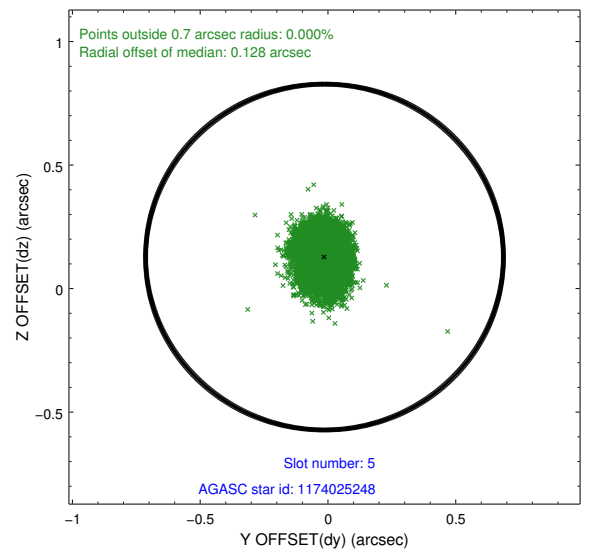
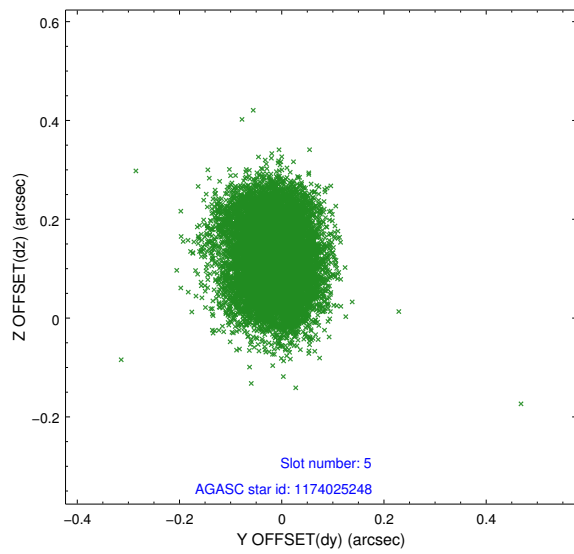
2.4.1 Slot 3



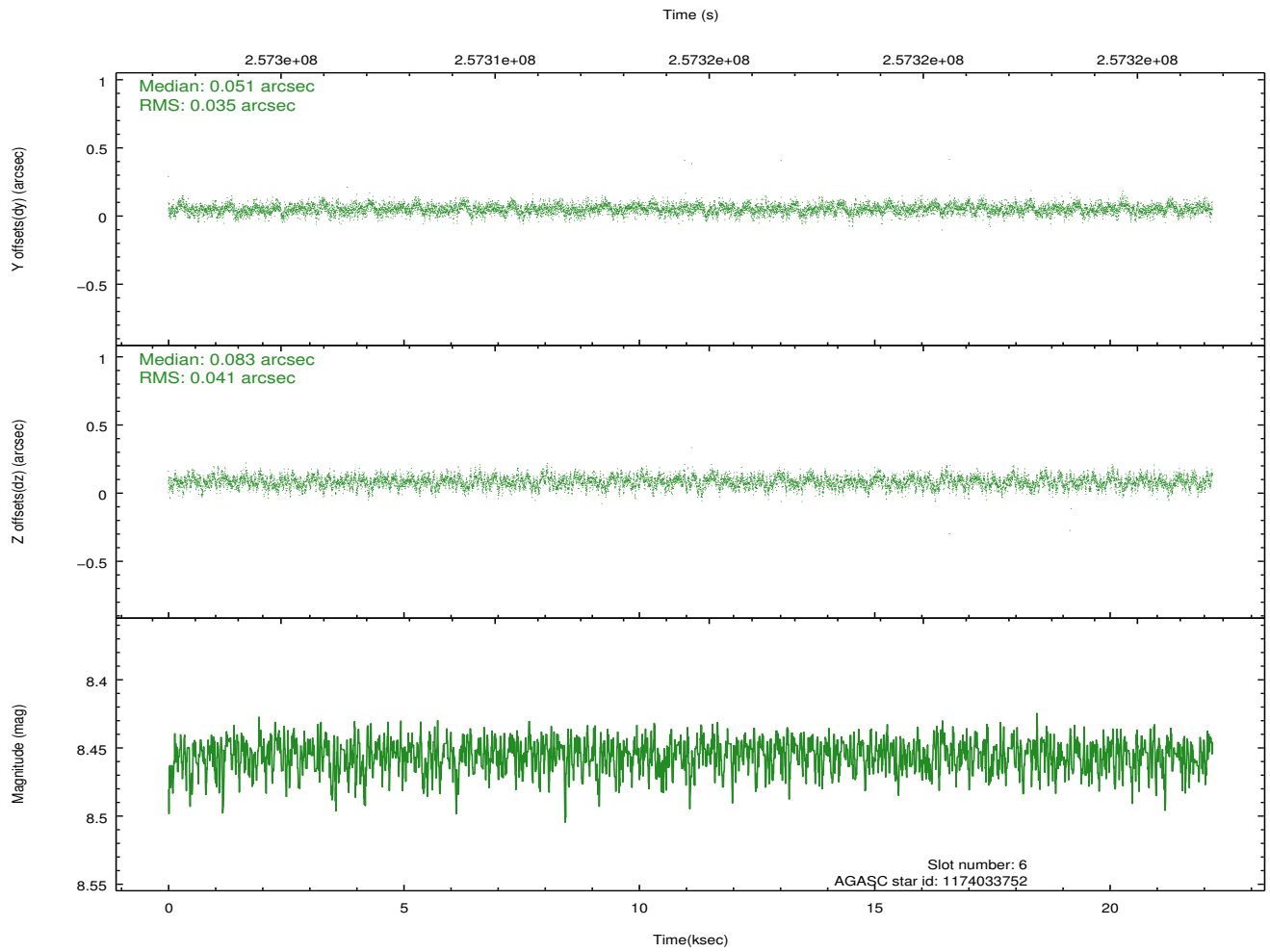
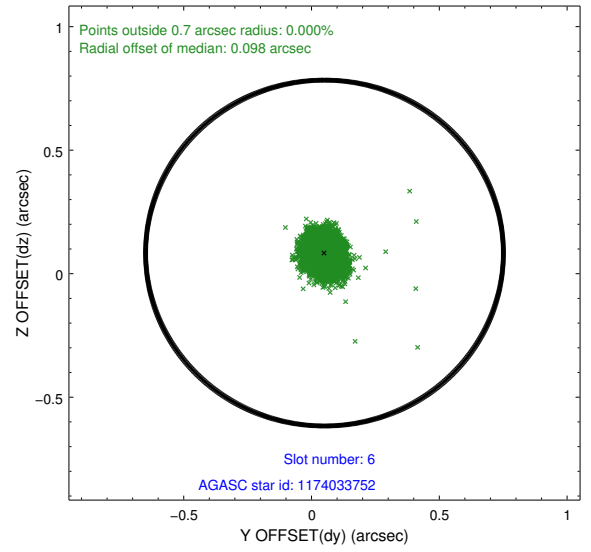
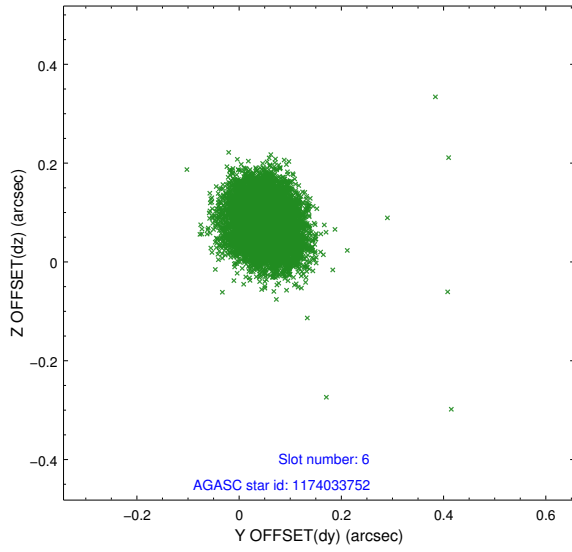
2.4.2 Slot 4



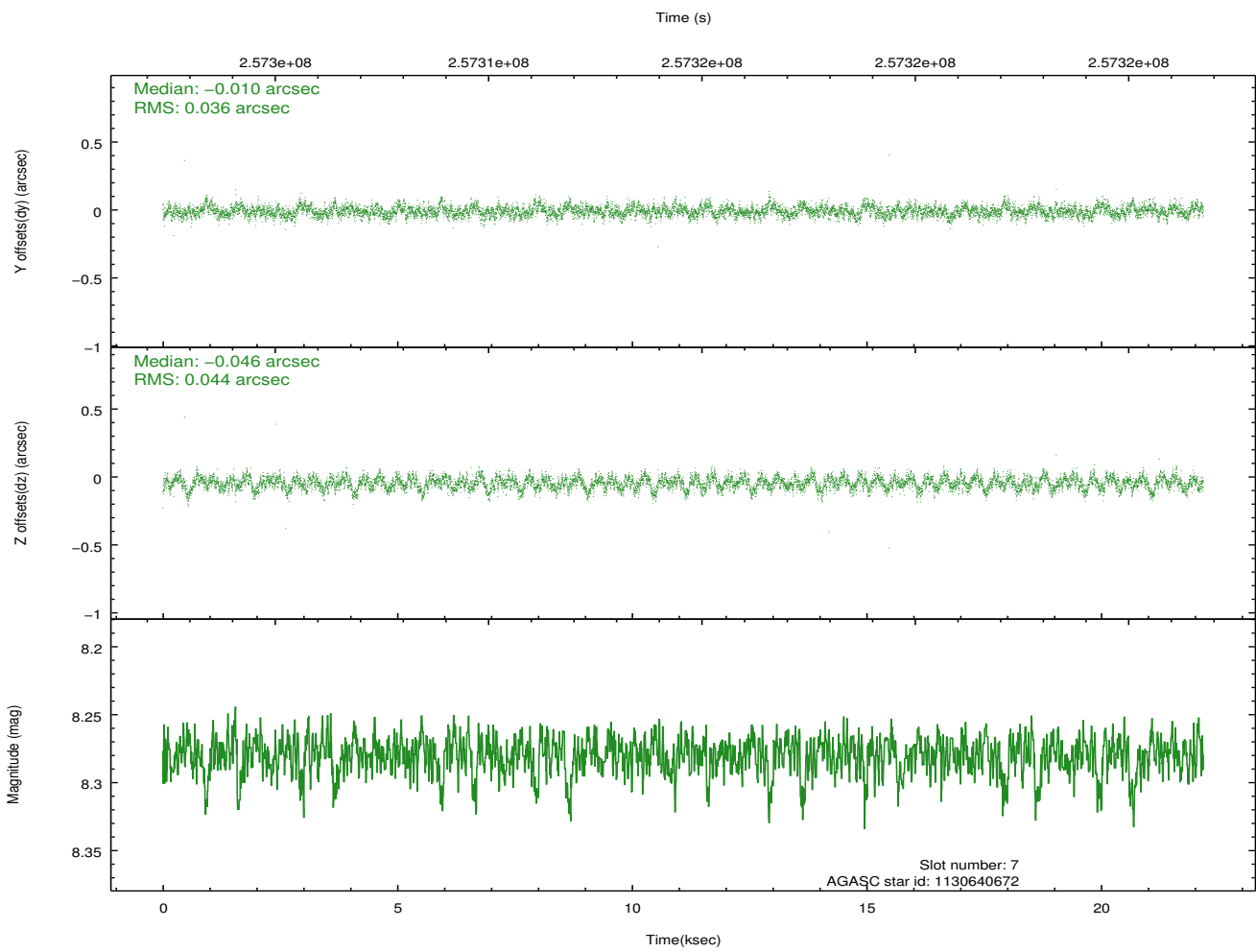
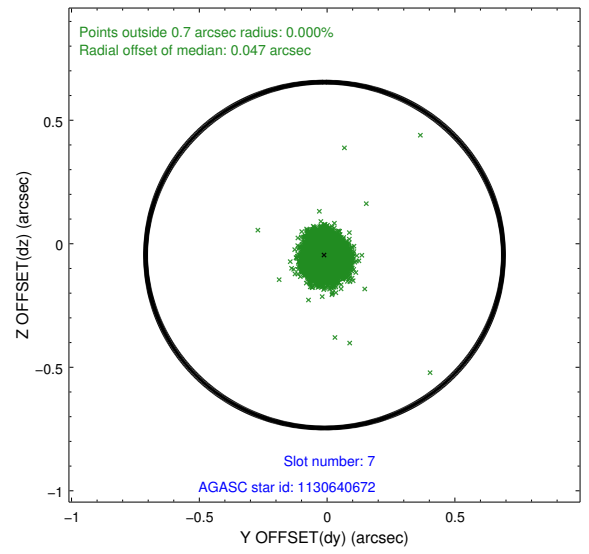
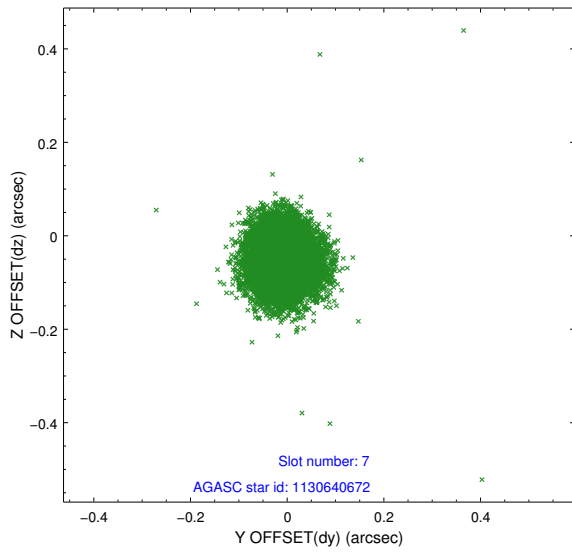
2.4.3 Slot 5



2.4.4 Slot 6

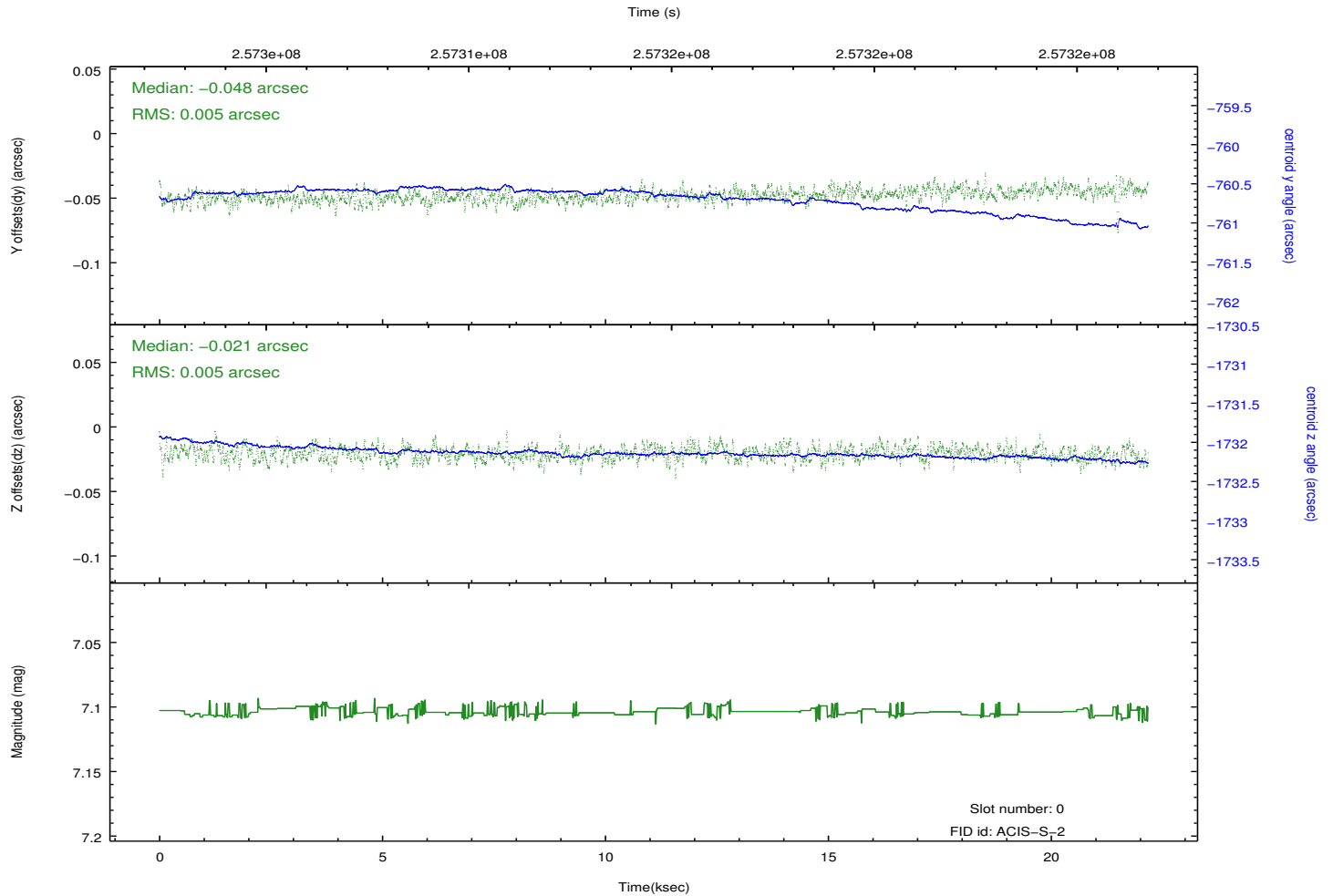
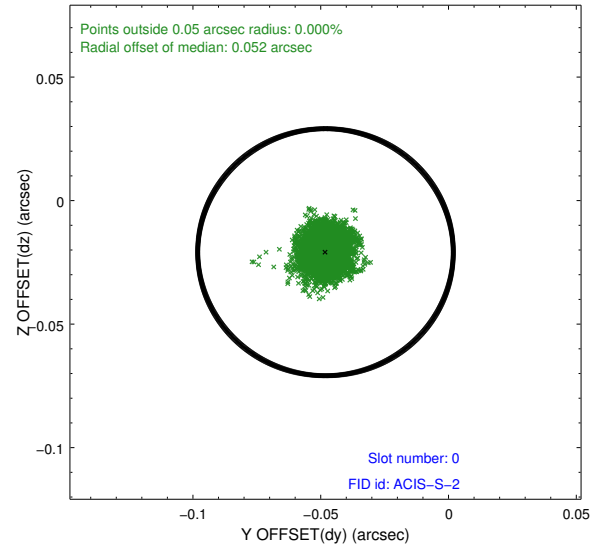
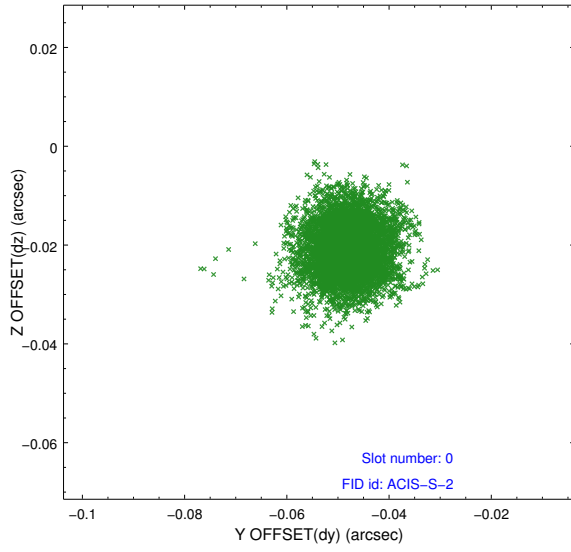


2.4.5 Slot 7

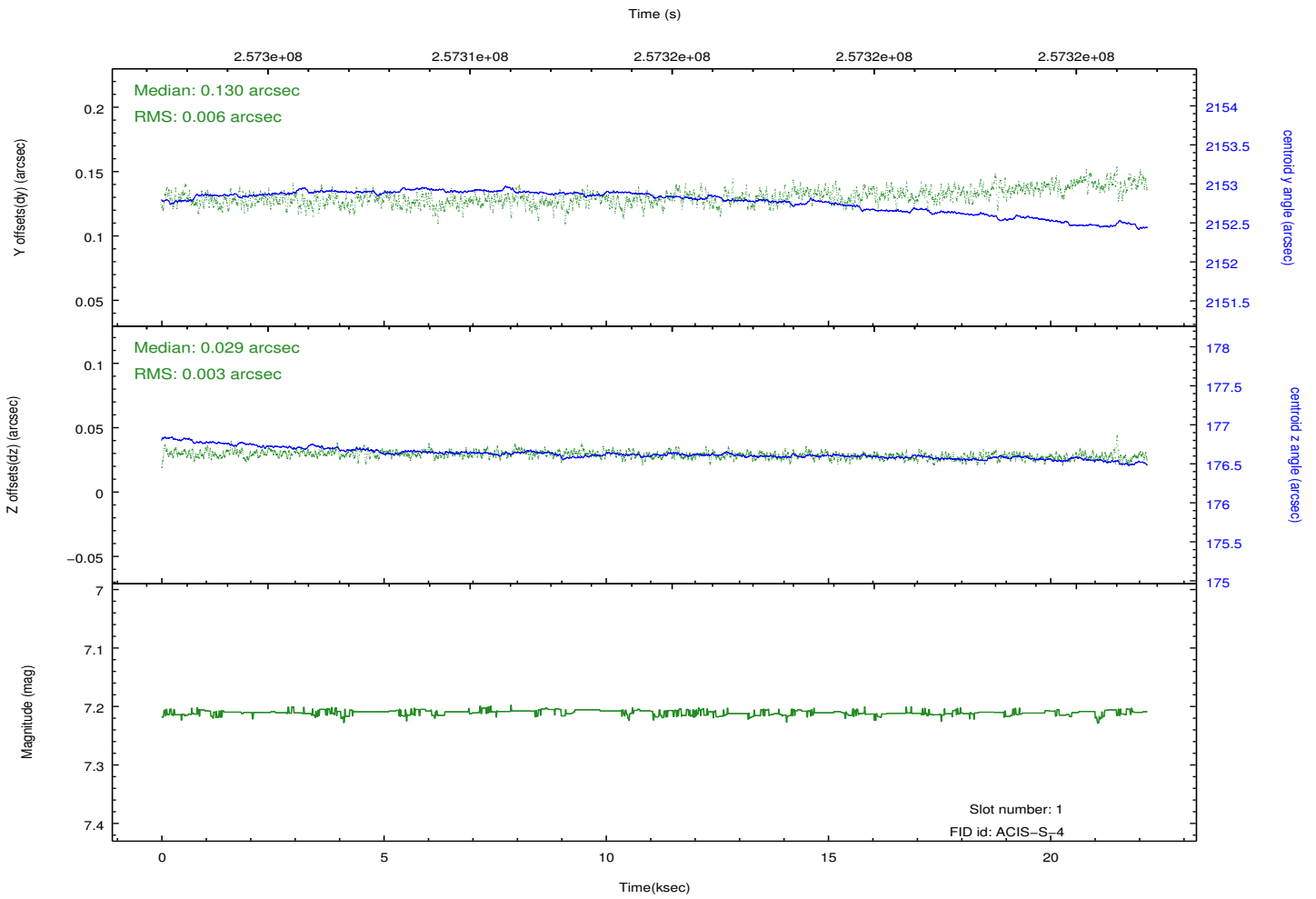
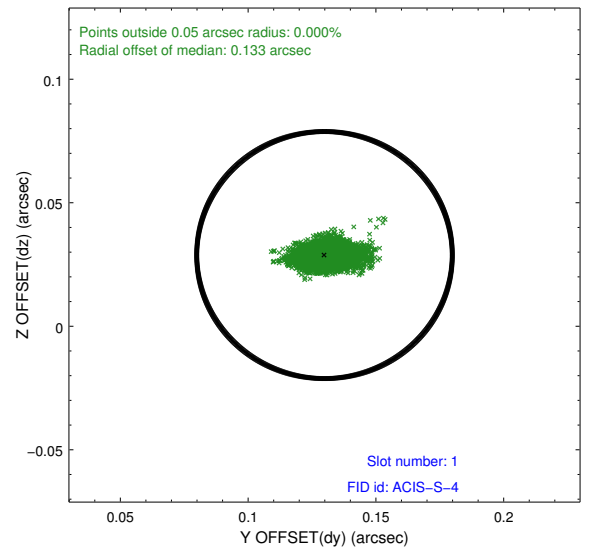
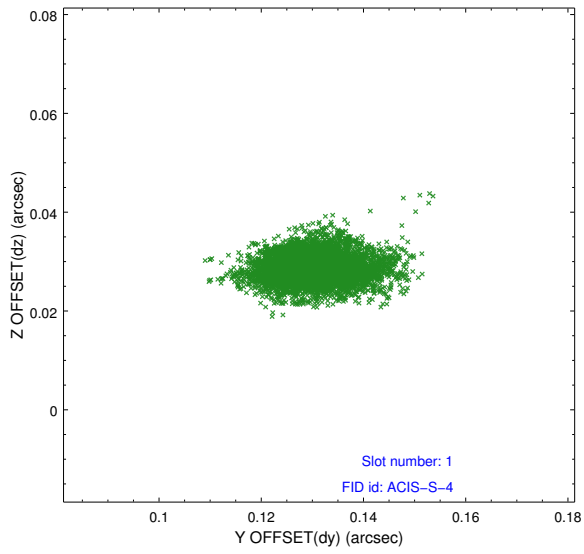


2.5 FID Slots

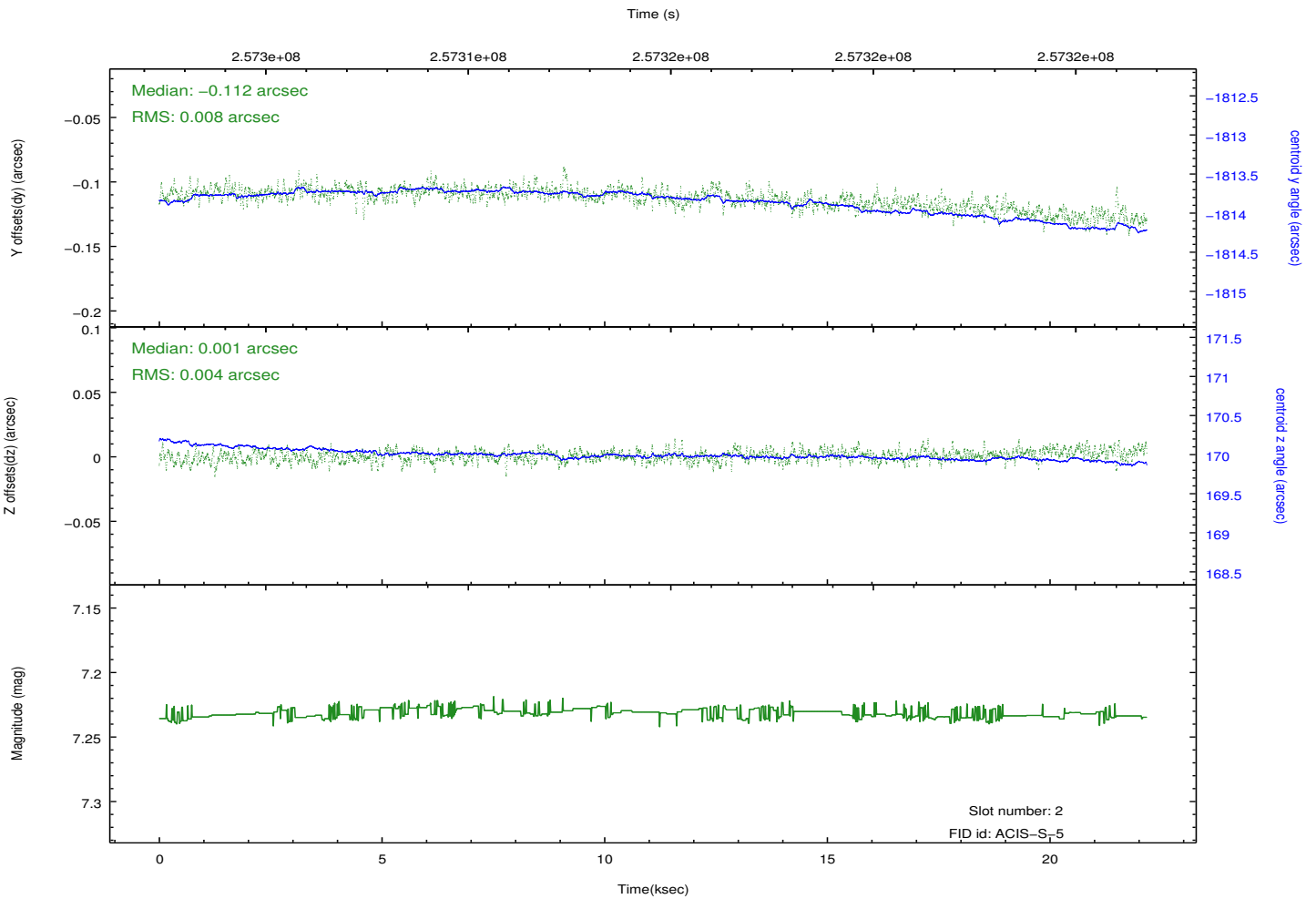
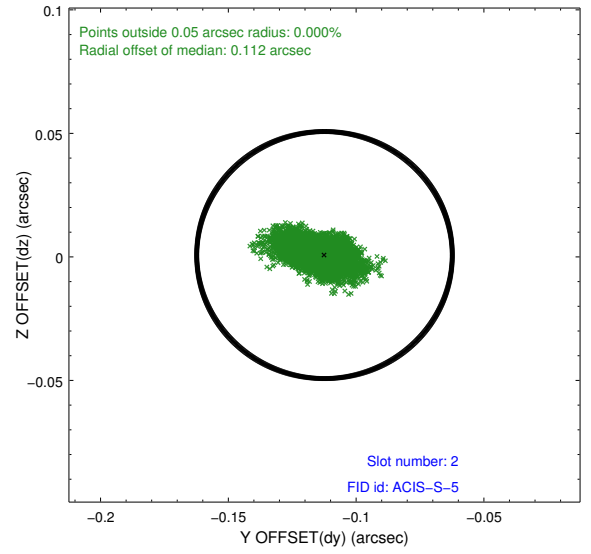
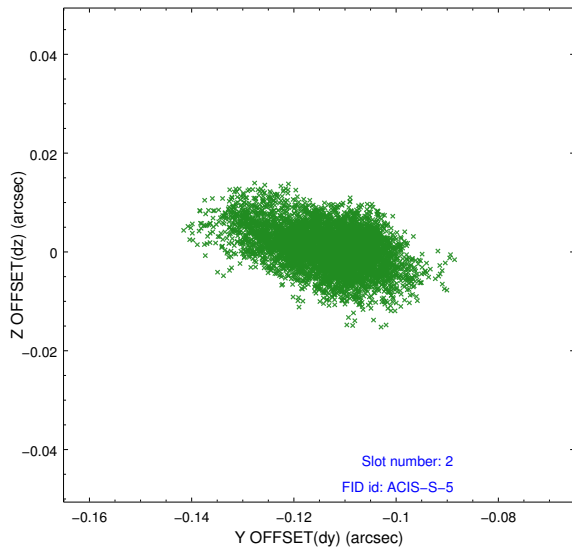
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Glenn Allen
V&V Date (YYYY-MM-DD)	2012.03.27
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	22.172

A.2 Comments

There are some events that occur at times before there is aspect information. These events have frame numbers (i.e. EXPNO) < 450. Although the sky coordinates for these events are inaccurate, particularly for the ACIS-I2 and -I3 CCDs, the GTIs exclude the interval during which there is no aspect information. Therefore, the events in the Level 2 file are fine.

Glenn