

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 655 - L2 Version 4
Chandra X-Ray Center

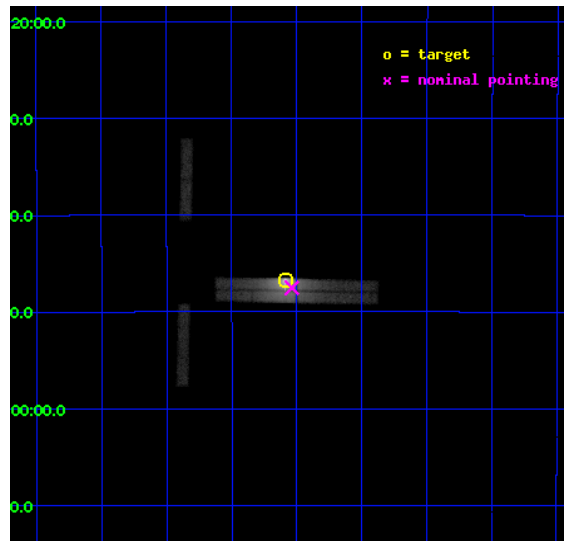
L2 Processing Date : Aug 30 2012

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1 Front

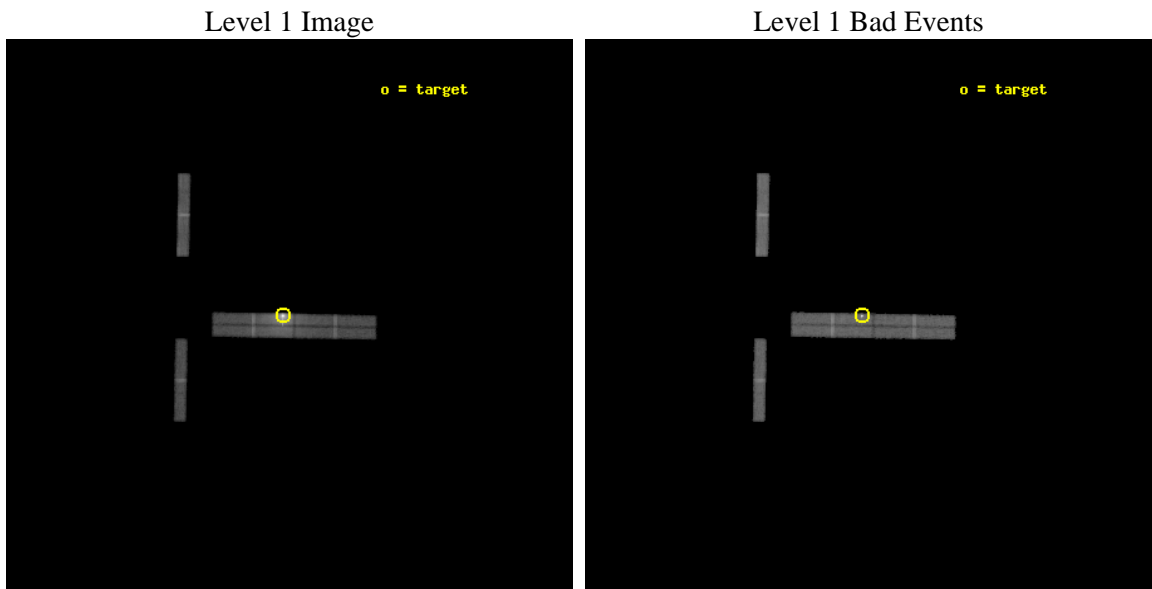
seq_num	300024	Sequence number
obs_id	655	Observation id
title	X-RAYING COMPACT BINARIES IN THE EXTREME GLOBULAR CLUSTER, TERZAN 5	
observer	Professor Johnathan Grindlay	Principal investigator
object	TERZAN 5	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.020417	Observer's specified target RA [deg]
dec_targ	-24.779139	Observer's specified target Dec [deg]
ra_nom	267.00935925702	Nominal RA [deg]
dec_nom	-24.7921674139	Nominal Dec [deg]
roll_nom	271.07322878492	Nominal Roll [deg]
revision	4	Processing version of data
ontime	44323.835754648	Sum of GTIs [s]
livetime	42160.977603584	Livetime [s]
ontime0	44322.994634867	Sum of GTIs [s]
ontime1	44322.994714648	Sum of GTIs [s]
ontime2	44323.835674882	Sum of GTIs [s]
ontime3	44323.835754648	Sum of GTIs [s]
ontime6	44323.835674882	Sum of GTIs [s]
ontime8	44323.835754648	Sum of GTIs [s]
l2events	225513	Number of level 2 events



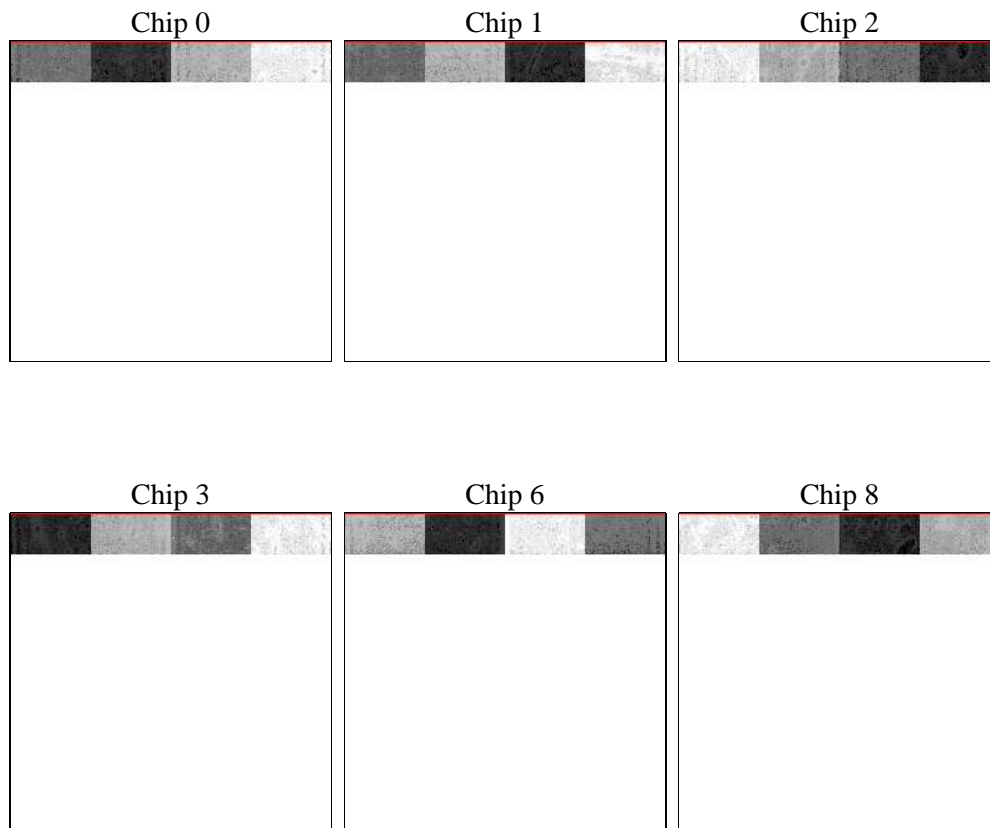
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	44000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	44323.835754648	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	44322.994634867	Sum of GTIs [s]
date	2012-08-30T19:27:12	Date and time of file creation	ontime1	44322.994714648	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	44323.835674882	Sum of GTIs [s]
			ontime3	44323.835754648	Sum of GTIs [s]
			ontime6	44323.835674882	Sum of GTIs [s]
			ontime8	44323.835754648	Sum of GTIs [s]
			l1events	536259	Number of level 1 events

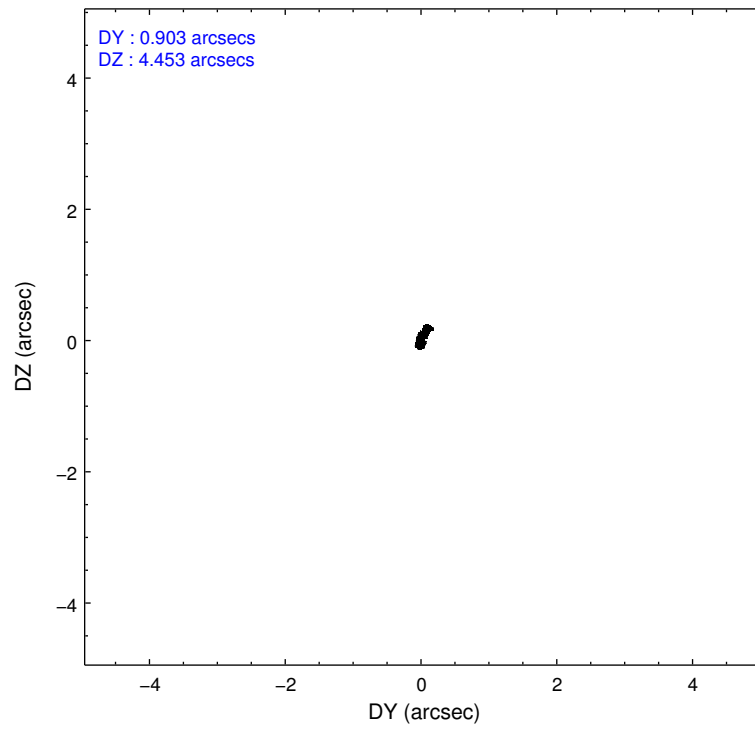
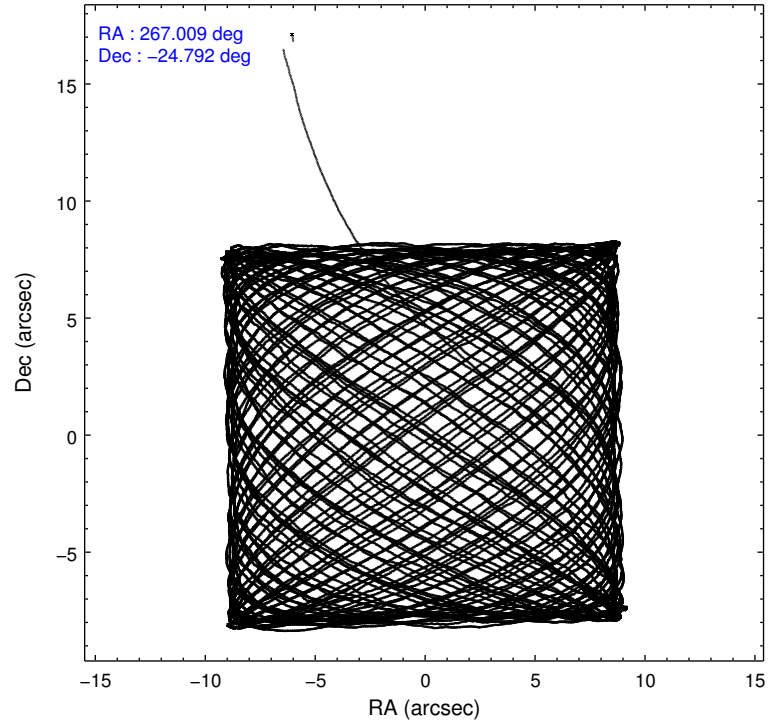
2.1.4 Events

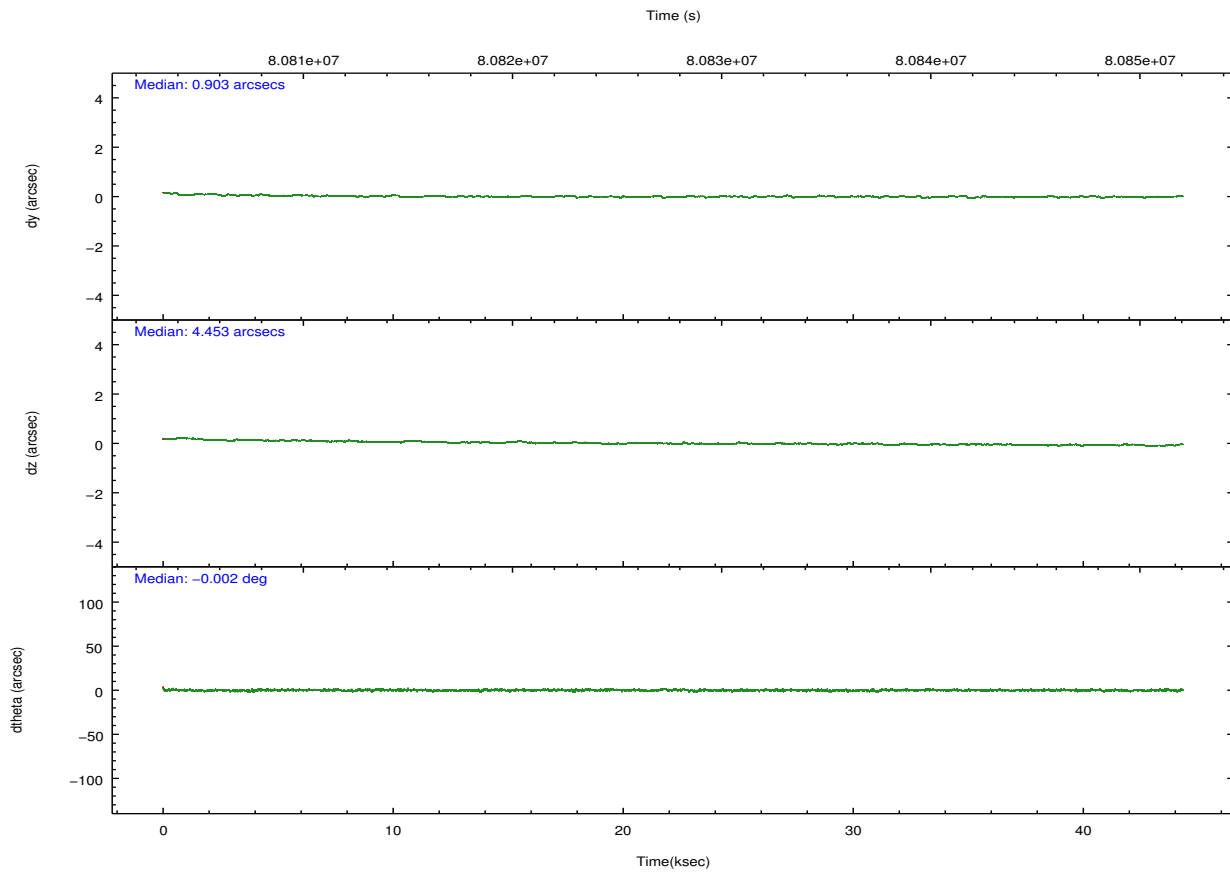
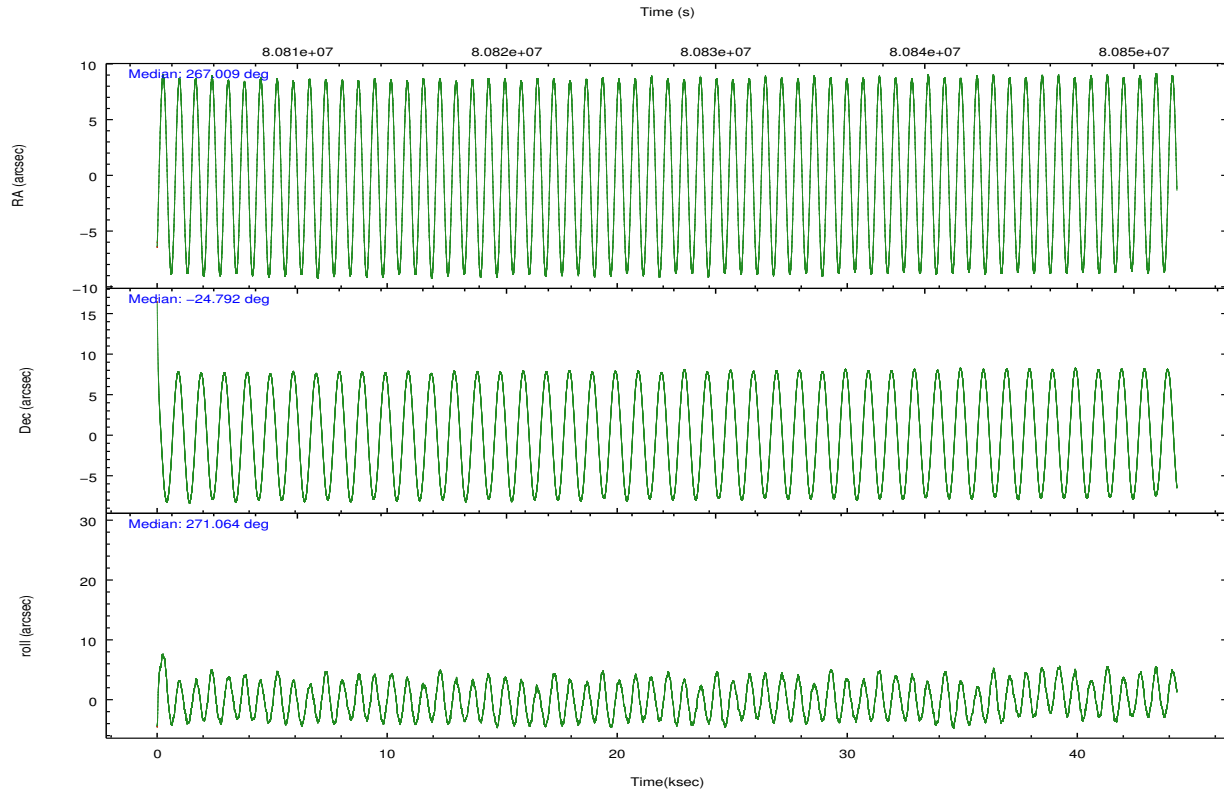
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	49422	54211	69920	245670	44836	72200	grade 0 events	7691	9777	18483	109421	2023	3259
rejected events	36765	38537	42740	76439	39634	60607		15%	18%	26%	44%	4%	4%
rejected %	74%	71%	61%	31%	88%	83%	grade 1 events	42	52	59	4743	35	52
								0%	0%	0%	1%	0%	0%
							grade 2 events	1943	2326	3682	24802	835	2191
								3%	4%	5%	10%	1%	3%
							grade 3 events	1023	1128	1568	8816	755	1361
								2%	2%	2%	3%	1%	1%
							grade 4 events	940	1056	1633	9177	804	1274
								1%	1%	2%	3%	1%	1%
							grade 5 events	1241	1312	1271	7362	1398	1998
								2%	2%	1%	2%	3%	2%
							grade 6 events	1093	1416	1939	17444	800	3556
								2%	2%	2%	7%	1%	4%
							grade 7 events	35449	37144	41285	63905	38186	58509
								71%	68%	59%	26%	85%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012368	ACIS-012368	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	266.993798	267.0093592570218	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-24.768505	-24.79216741389952	Subarray start row	895	895
[deg] Pointing Roll	270.858019	271.0732287849173	Subarray row count	128	128
[s] Window start time (MET)	80697664.184000	80697664.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	81388864.184000	81388864.184000	[s] Primary exposure time	0.000000	0.8
[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)	80805844.184000	80804815.33898			
Observation start date	2000-07-24T06:03:00	2000-07-24T05:46:55			
[s] Observation end time (MET)	80849844.184000	80850166.465666			
Observation end date	2000-07-24T18:16:20	2000-07-24T18:22:46			
Read mode	TIMED	TIMED			

2.3 Aspect





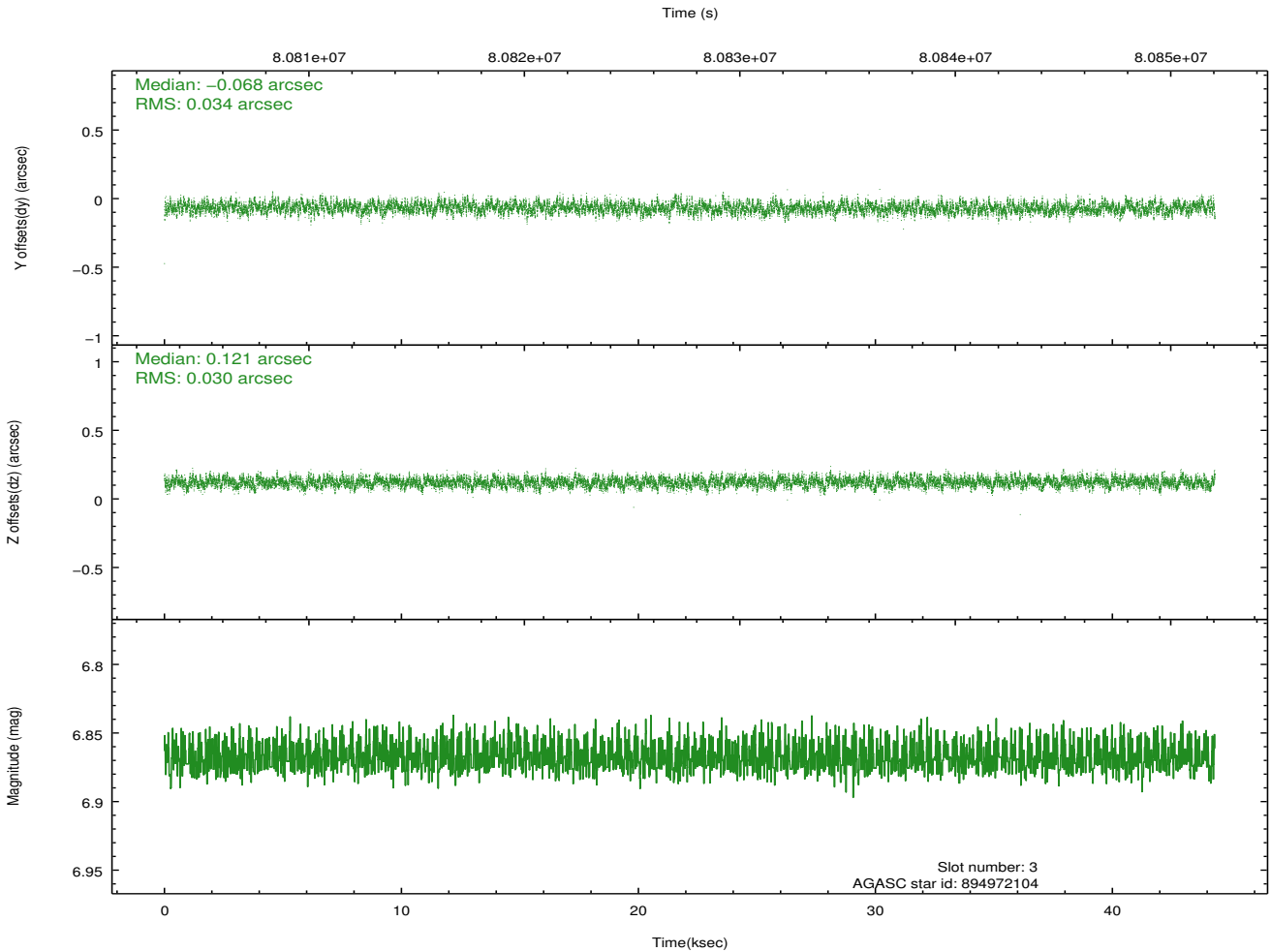
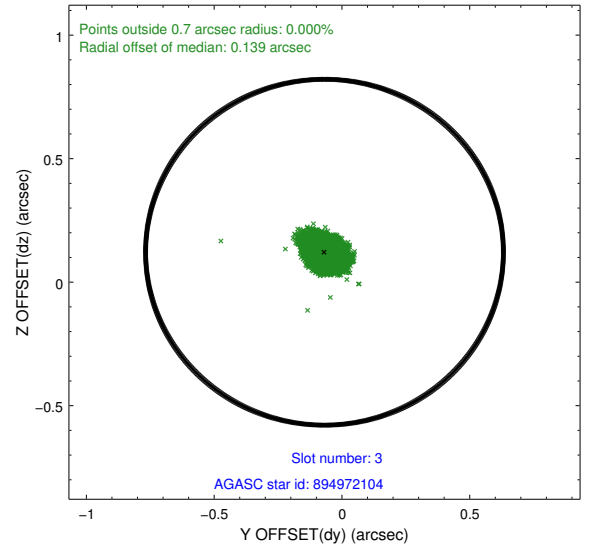
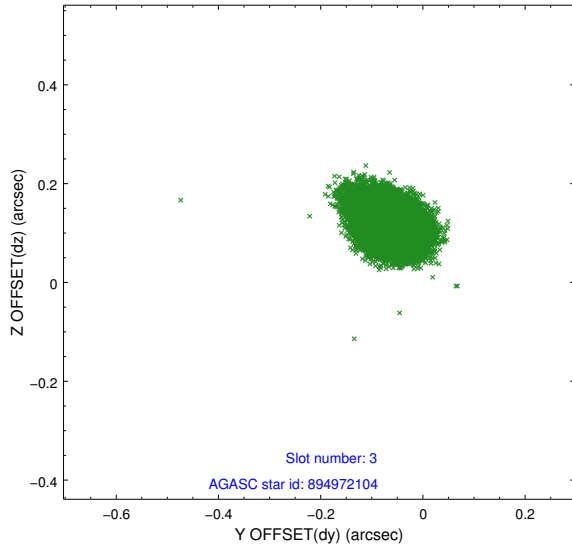
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	10812	-0.033	-0.028	0.009	0.016	0.000000	0.000000	-755.26	-834.19
1	FID	ACIS-I-4	7.19	10812	-0.027	0.035	0.006	0.011	0.000000	0.000000	2158.80	1072.05
2	FID	ACIS-I-5	7.23	10811	-0.041	0.062	0.009	0.015	0.000000	0.000000	-1809.10	1069.92
3	GUIDE	894972104	6.87	21623	-0.068	0.121	0.048	0.078	267.489380	-24.207054	-1993.05	1657.42
4	GUIDE	894971272	8.68	21614	-0.128	0.065	0.057	0.094	267.055800	-24.327060	-1585.18	227.37
5	GUIDE	895489248	8.83	21616	0.017	-0.049	0.060	0.100	266.526793	-24.872603	355.68	-1530.43
6	GUIDE	895484264	8.28	21618	-0.012	-0.031	0.071	0.114	267.582371	-25.263146	1814.11	1889.83
7	GUIDE	895489704	8.80	21609	0.196	-0.104	0.076	0.125	266.328076	-25.361339	2108.60	-2196.89

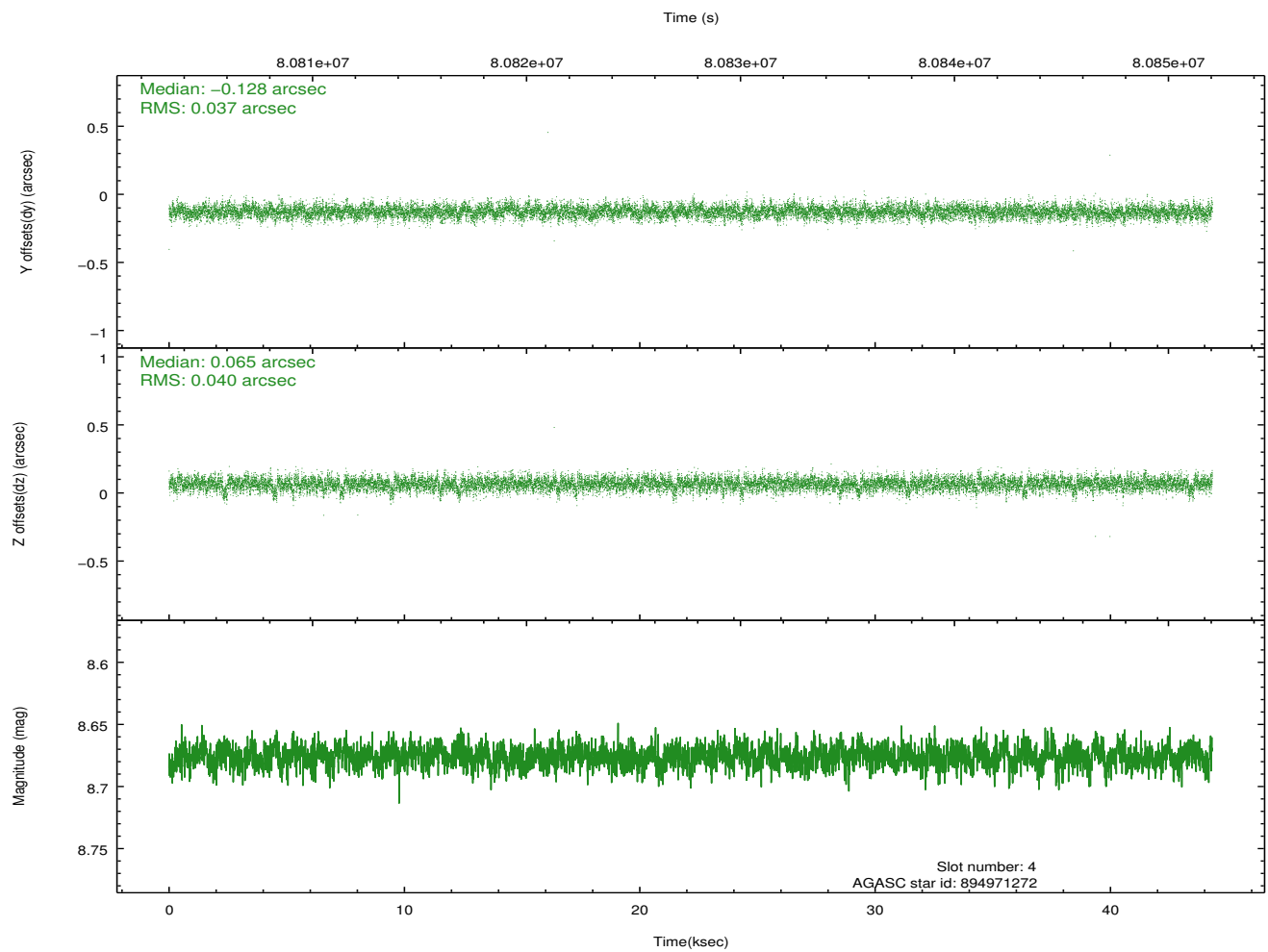
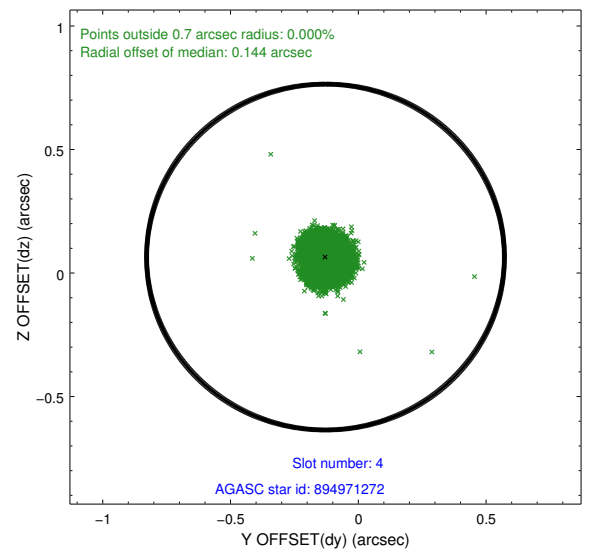
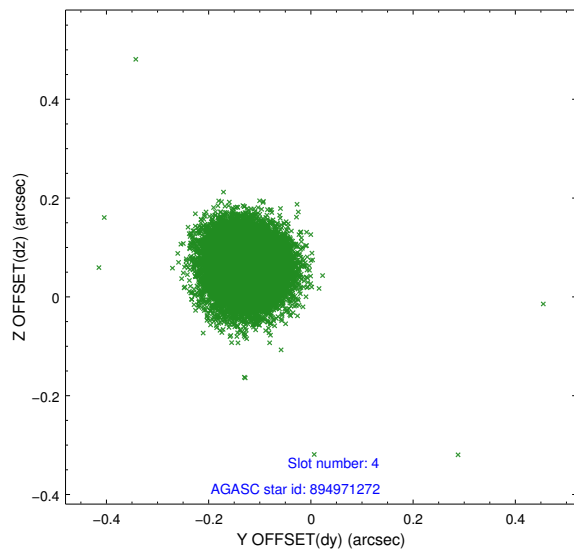
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2.4 Star Slots

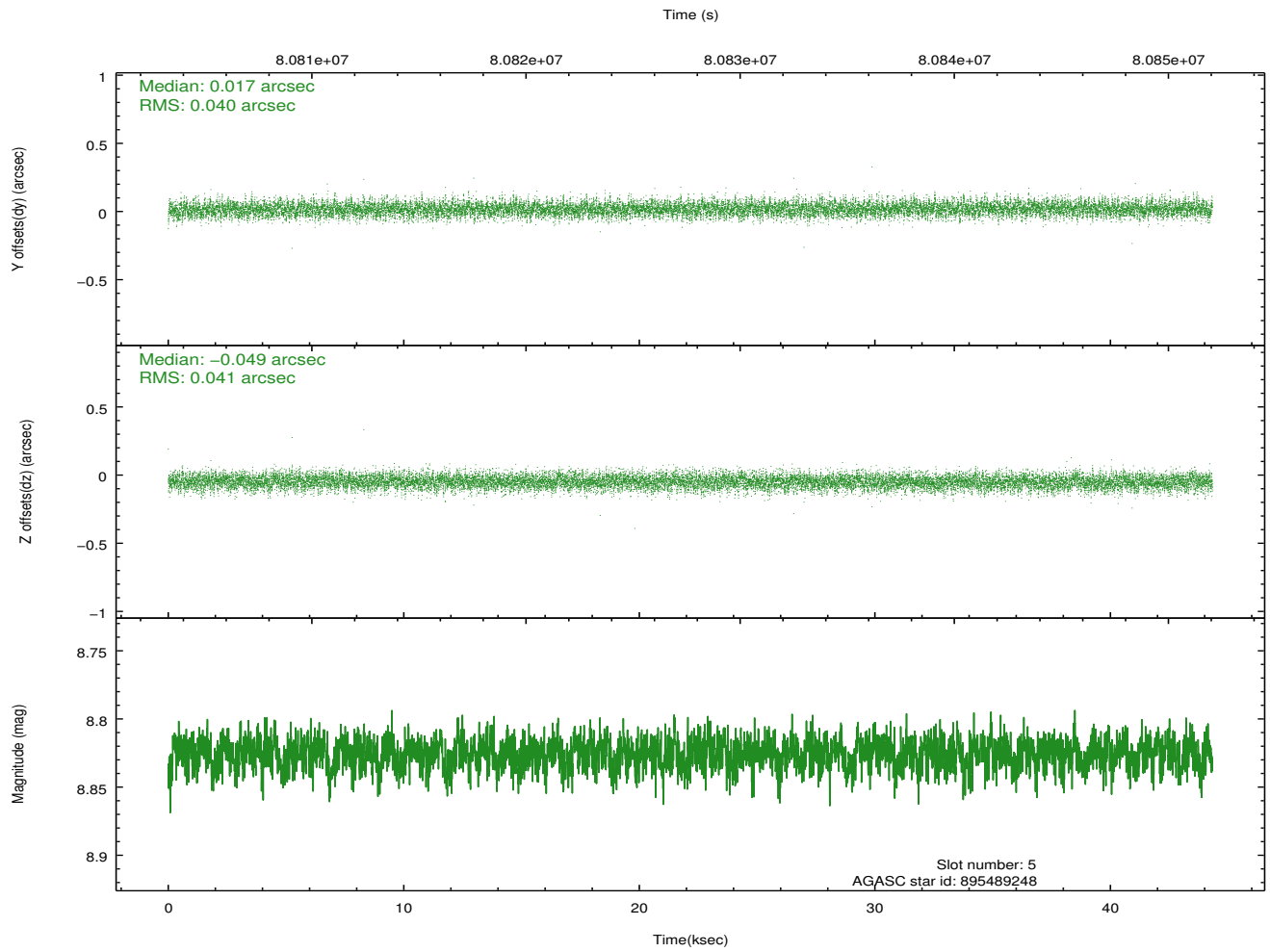
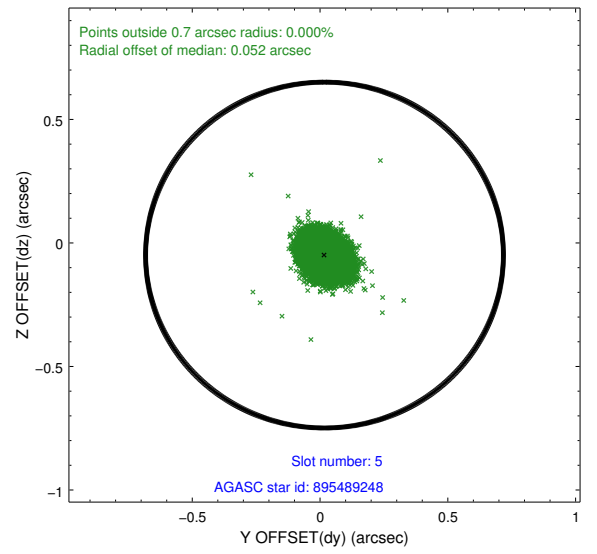
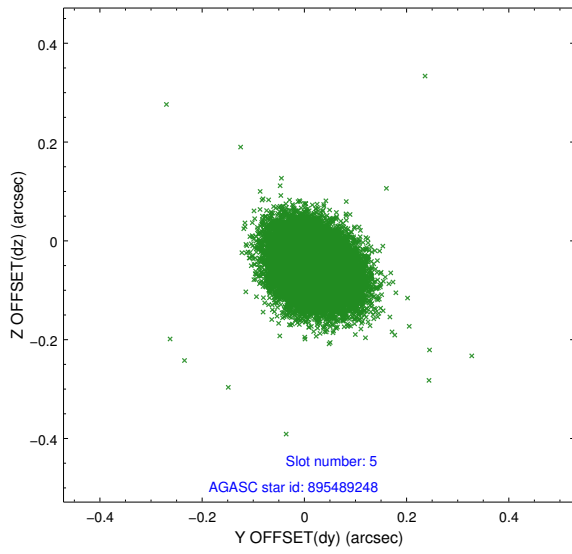
2.4.1 Slot 3



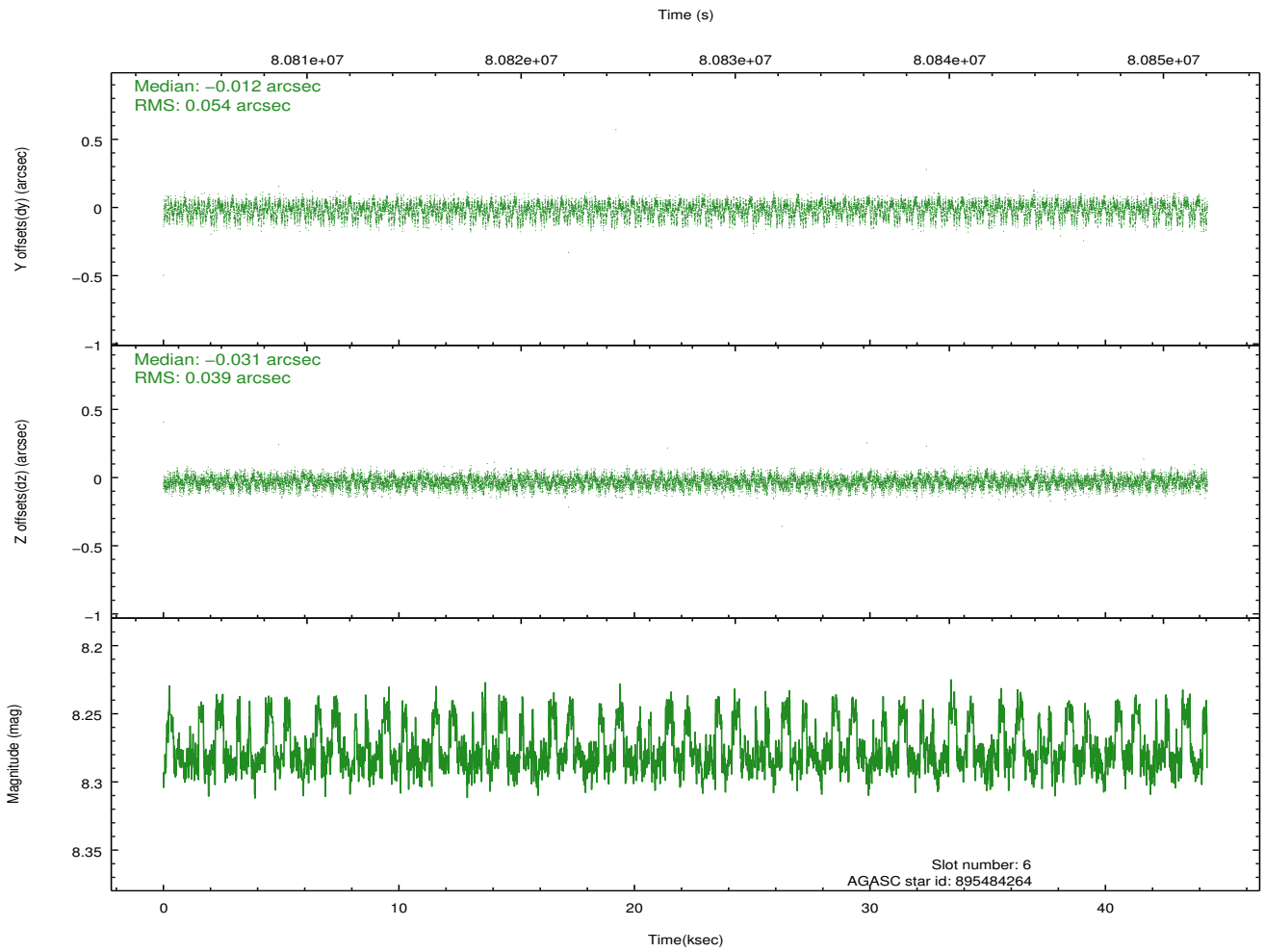
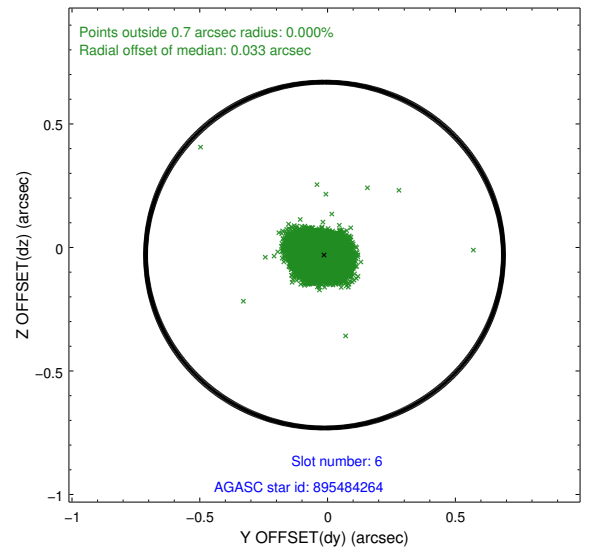
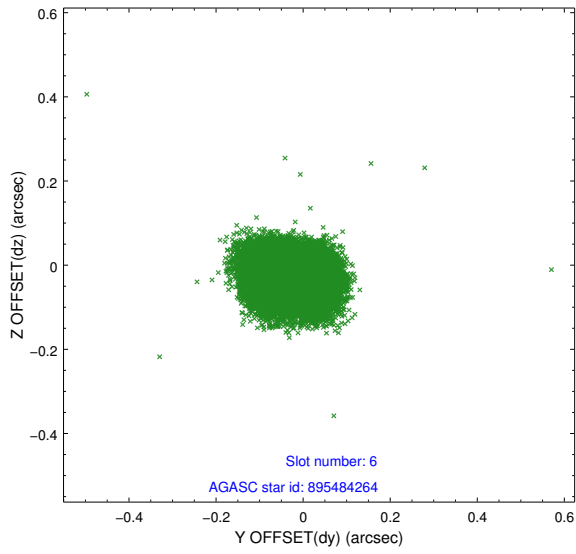
2.4.2 Slot 4



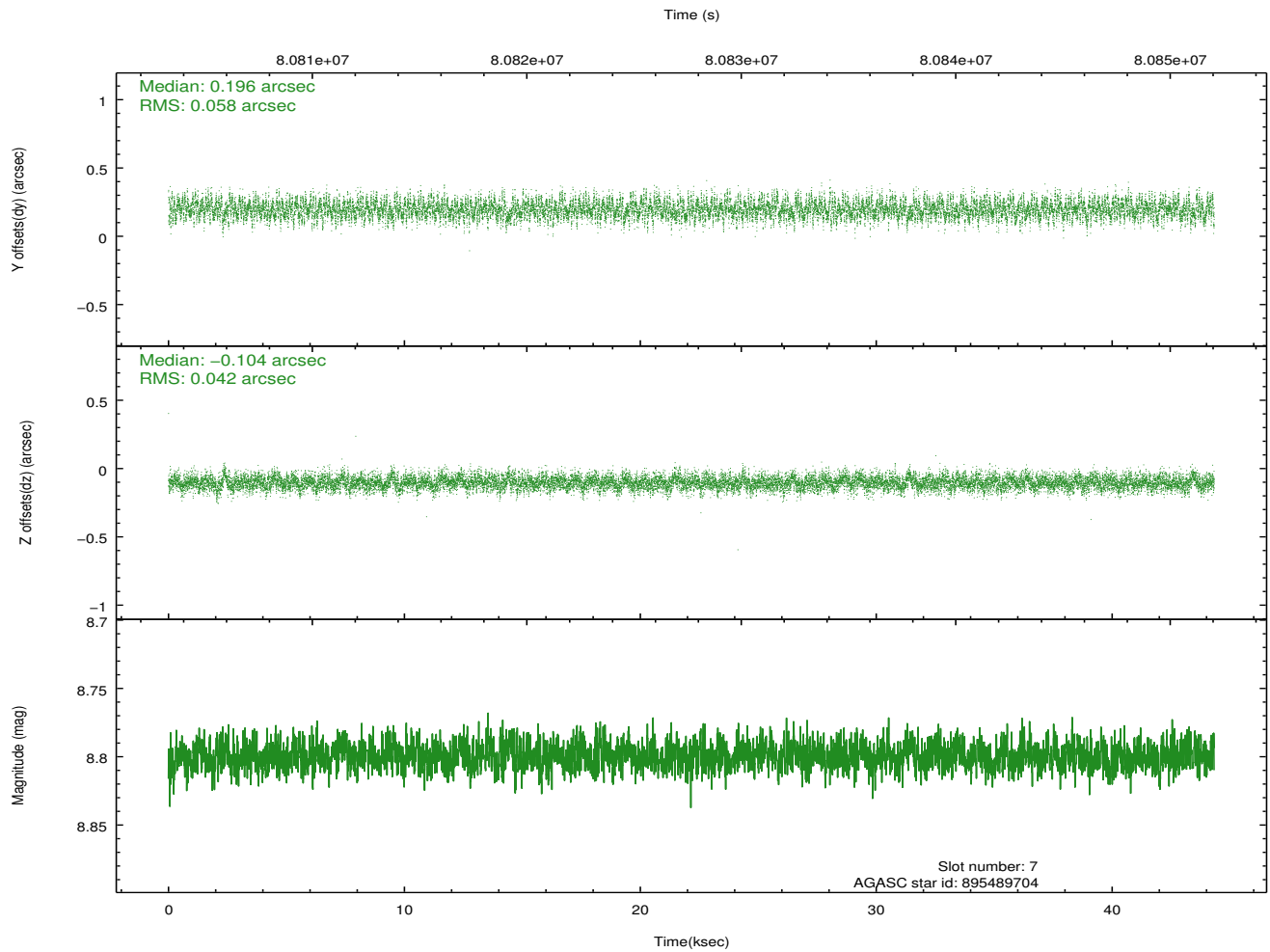
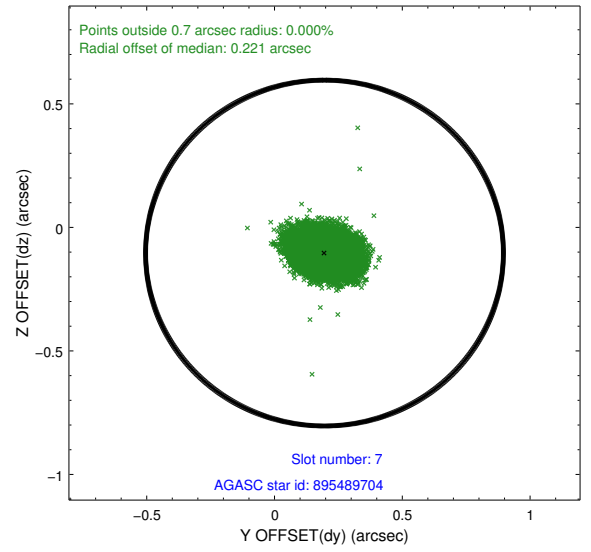
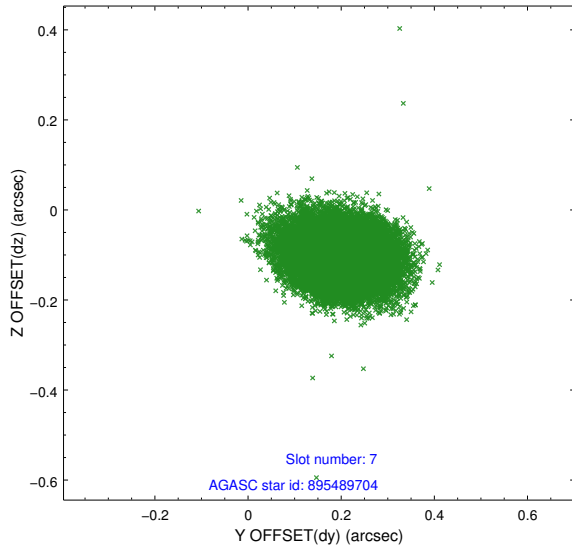
2.4.3 Slot 5



2.4.4 Slot 6

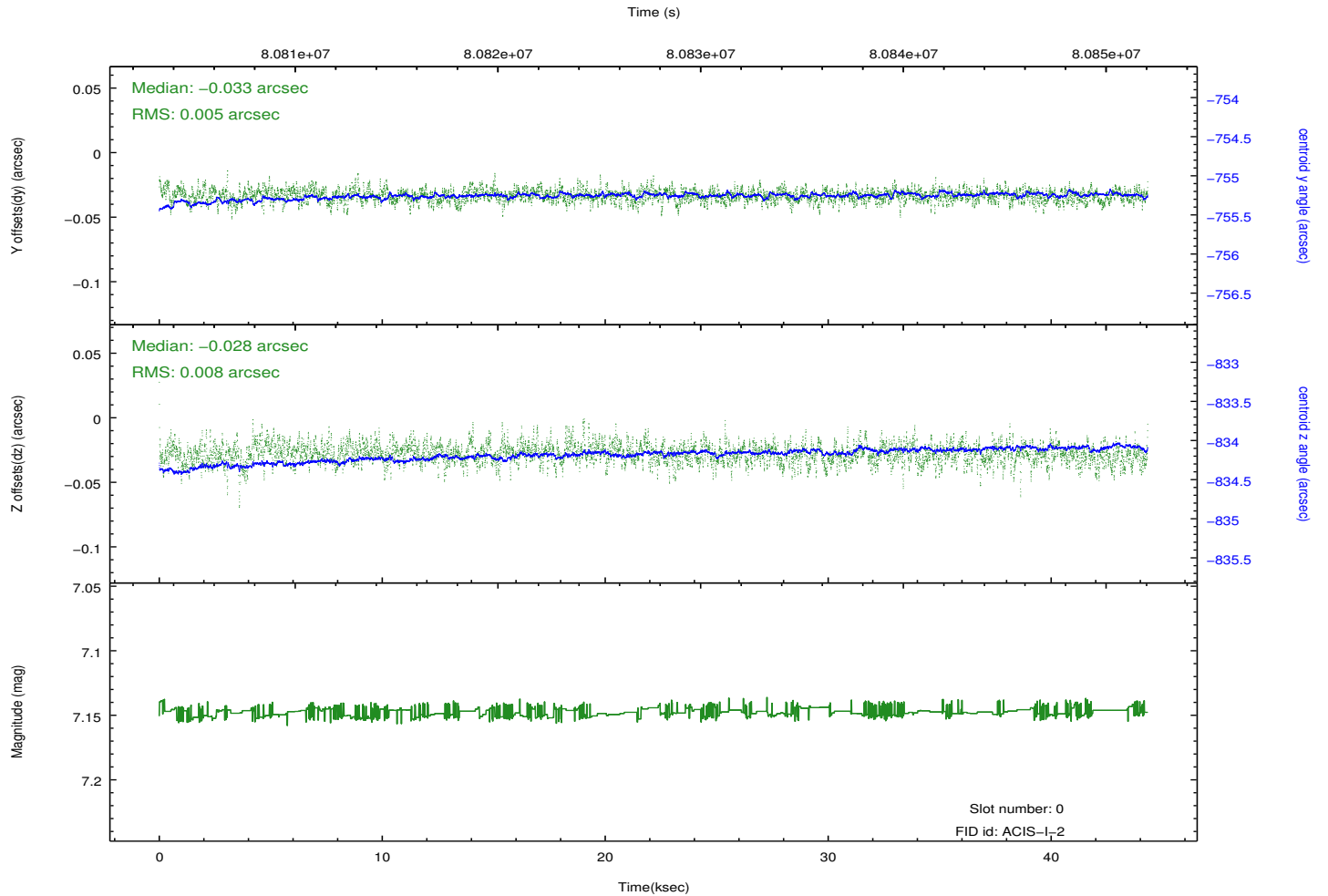
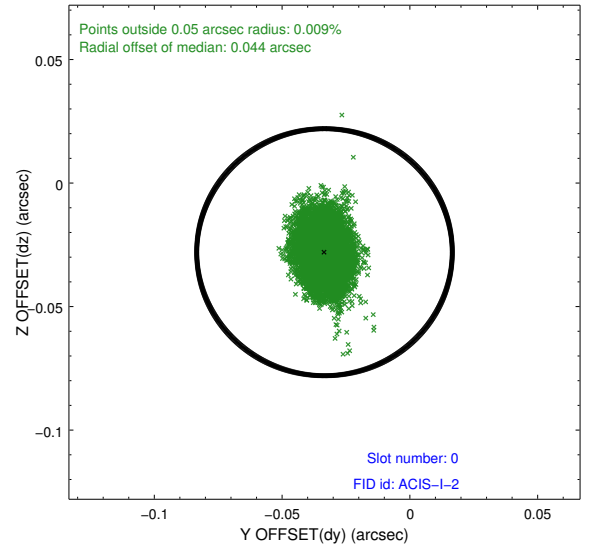
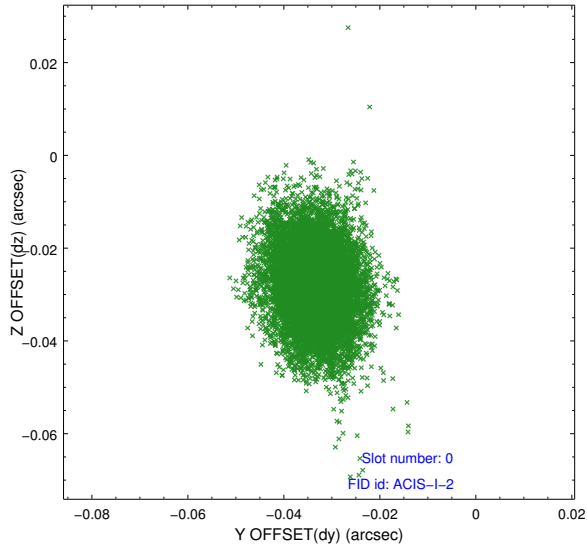


2.4.5 Slot 7

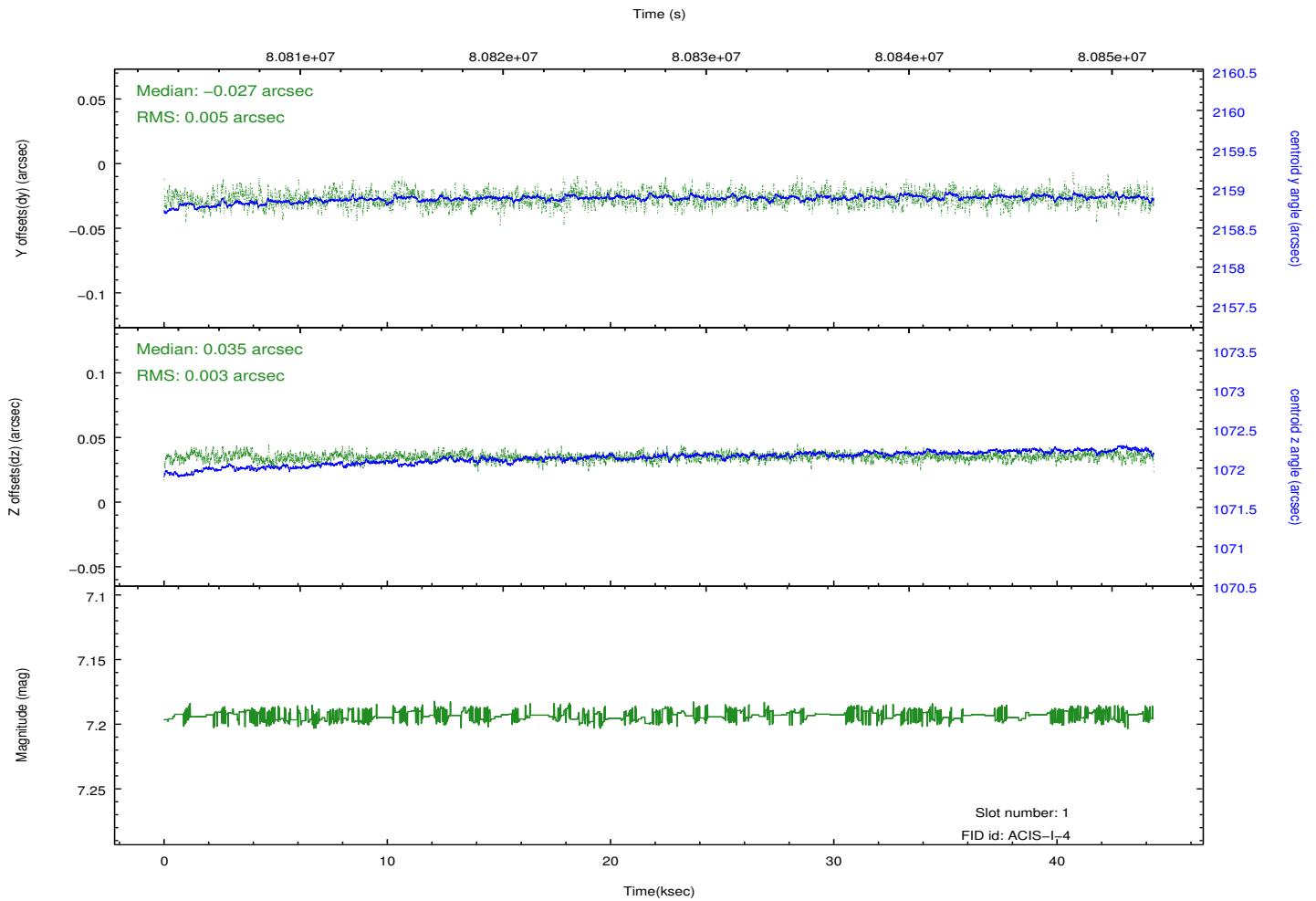
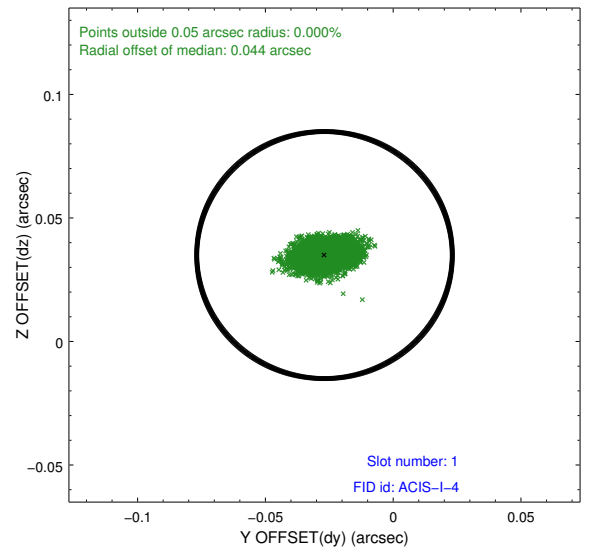
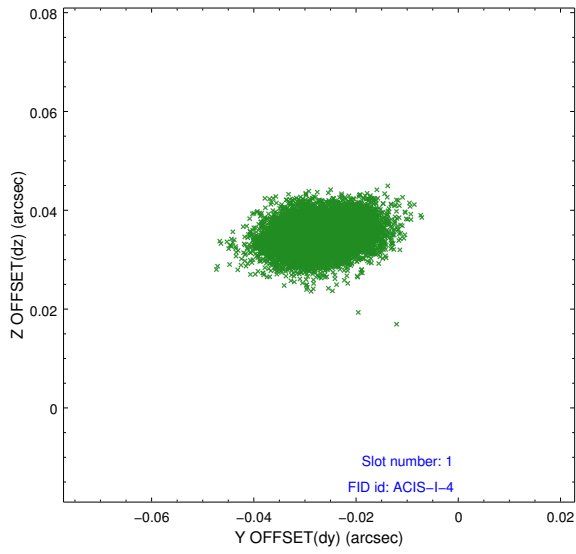


2.5 FID Slots

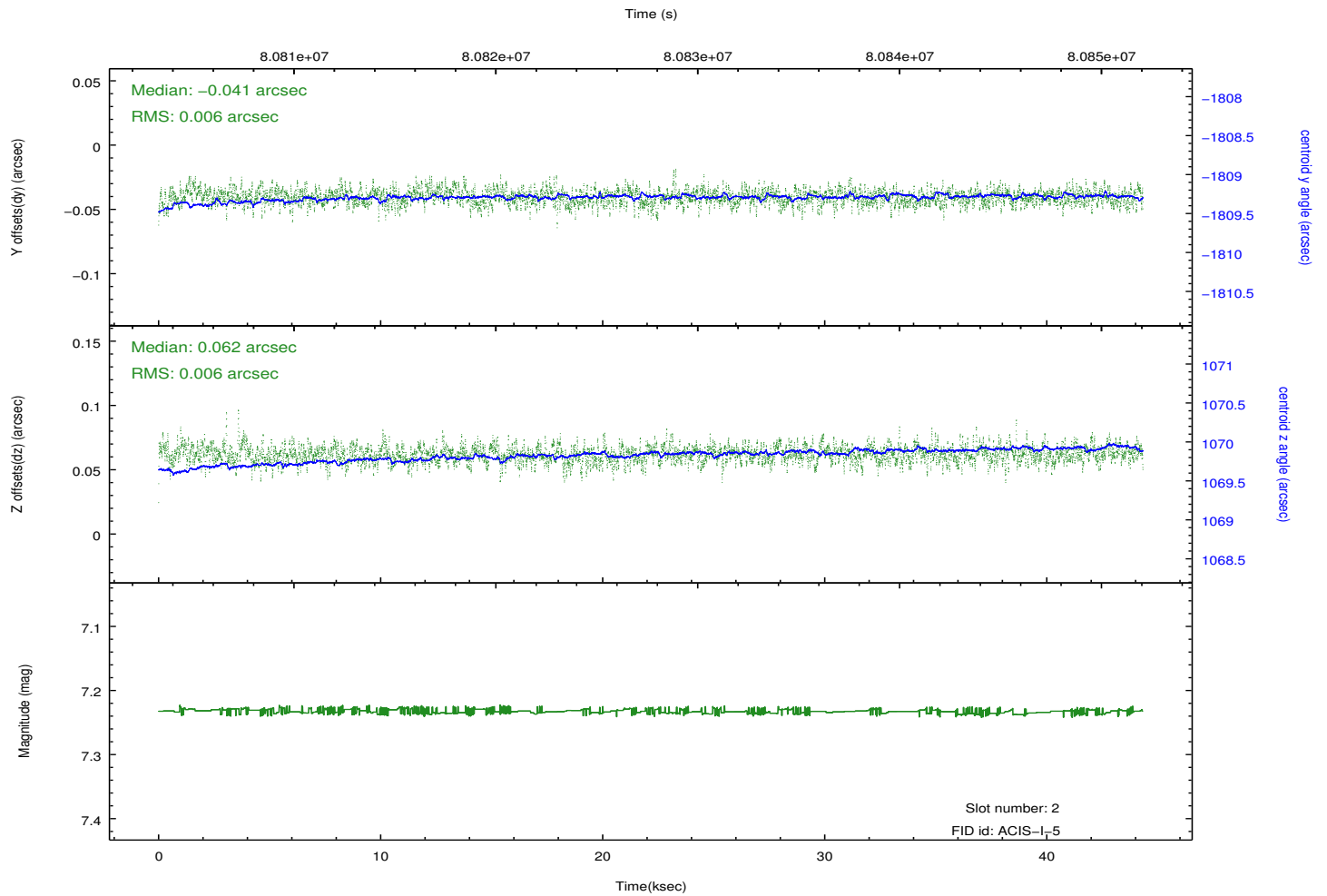
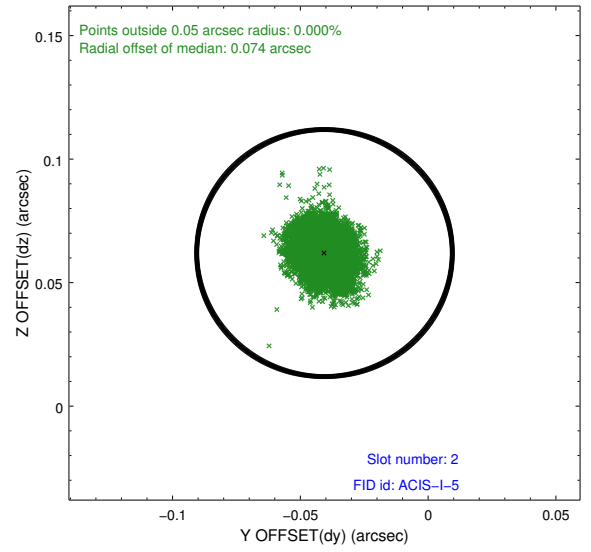
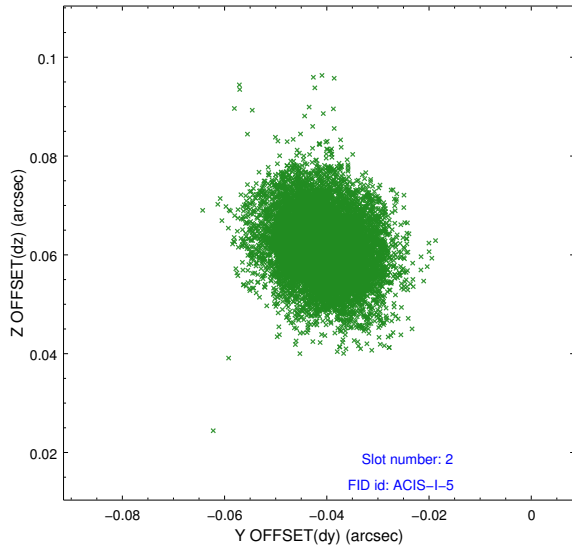
2.5.1 Slot 0



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)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	44.324

A.2 Comments

Window constraint met.