

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7037 - L2 Version 2
Chandra X-Ray Center

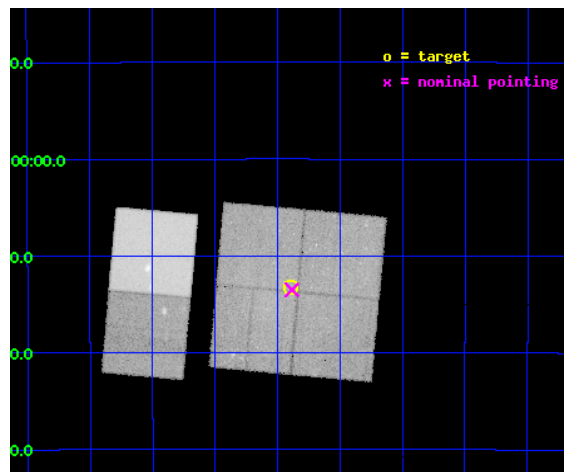
L2 Processing Date : Apr 8 2012

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1 Front

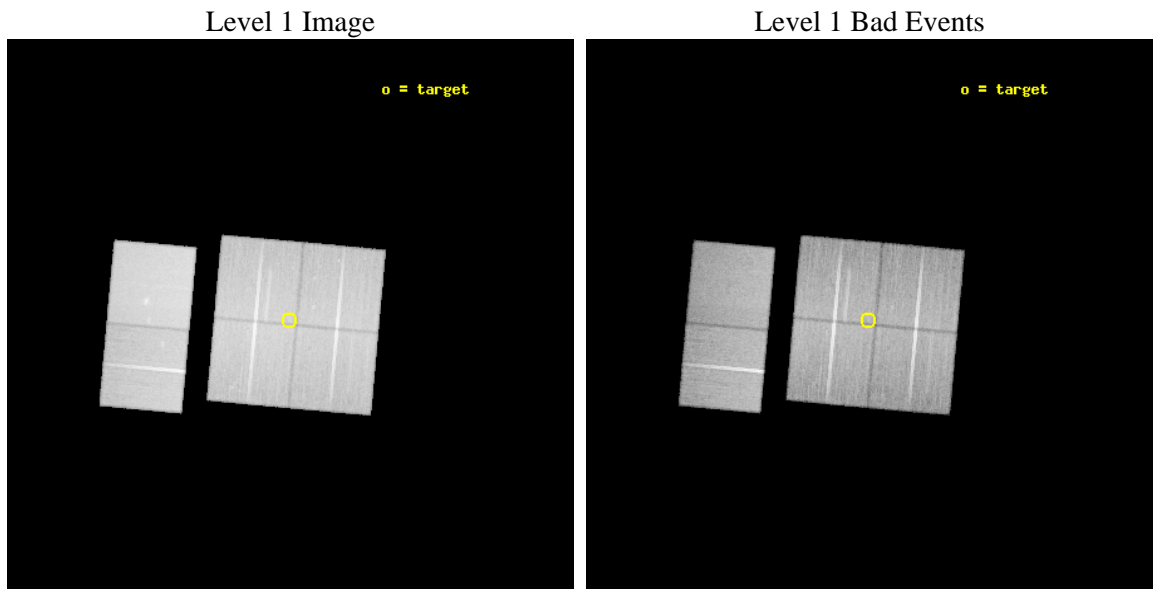
seq_num	900453	Sequence number
obs_id	7037	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.472917	Observer's specified target RA [deg]
dec_targ	-29.220889	Observer's specified target Dec [deg]
ra_nom	266.47129984956	Nominal RA [deg]
dec_nom	-29.225310234384	Nominal Dec [deg]
roll_nom	275.20789890665	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39951.999851227	Sum of GTIs [s]
livetime	39446.103572904	Livetime [s]
ontime0	39948.7588709	Sum of GTIs [s]
ontime1	39951.999851227	Sum of GTIs [s]
ontime2	39951.999851227	Sum of GTIs [s]
ontime3	39951.999851227	Sum of GTIs [s]
ontime6	39951.999851227	Sum of GTIs [s]
ontime7	39951.999851227	Sum of GTIs [s]
l2events	471233	Number of level 2 events



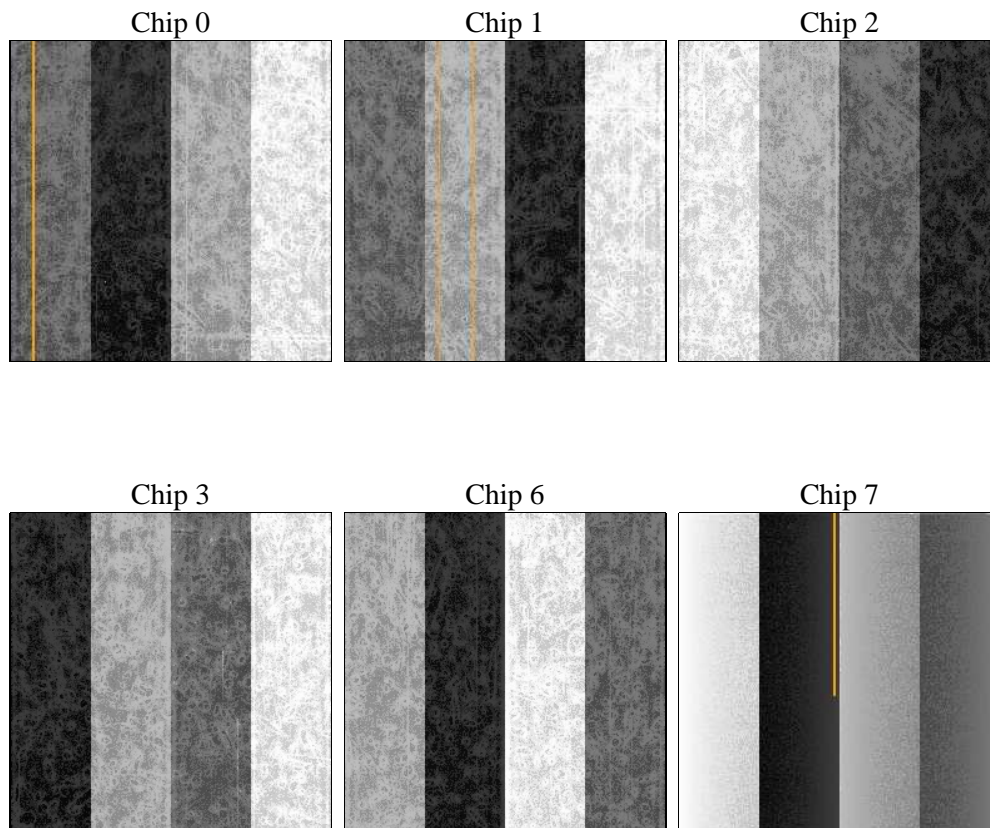
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	39951.999851227	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	39948.7588709	Sum of GTIs [s]
date	2012-04-08T01:13:49	Date and time of file creation	ontime1	39951.999851227	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	39951.999851227	Sum of GTIs [s]
			ontime3	39951.999851227	Sum of GTIs [s]
			ontime6	39951.999851227	Sum of GTIs [s]
			ontime7	39951.999851227	Sum of GTIs [s]
			l1events	2310251	Number of level 1 events

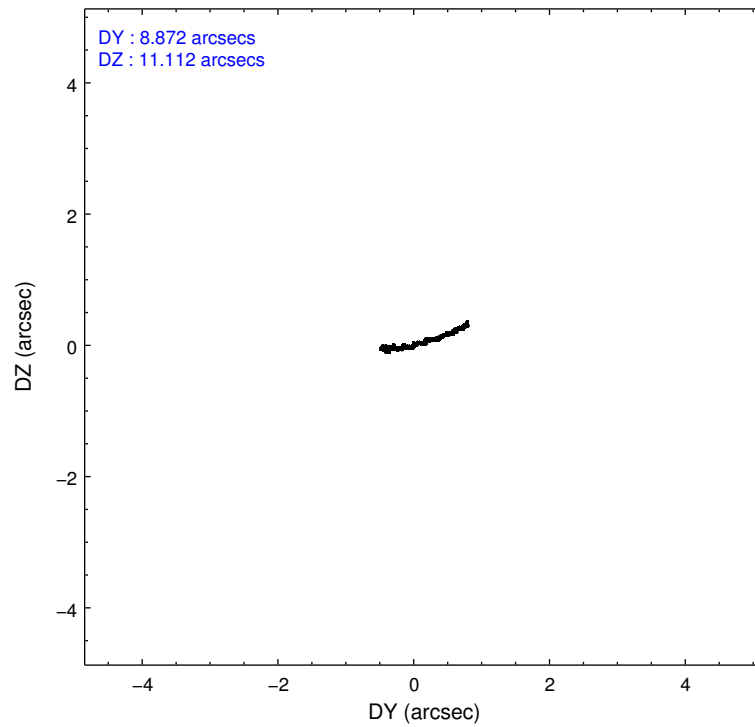
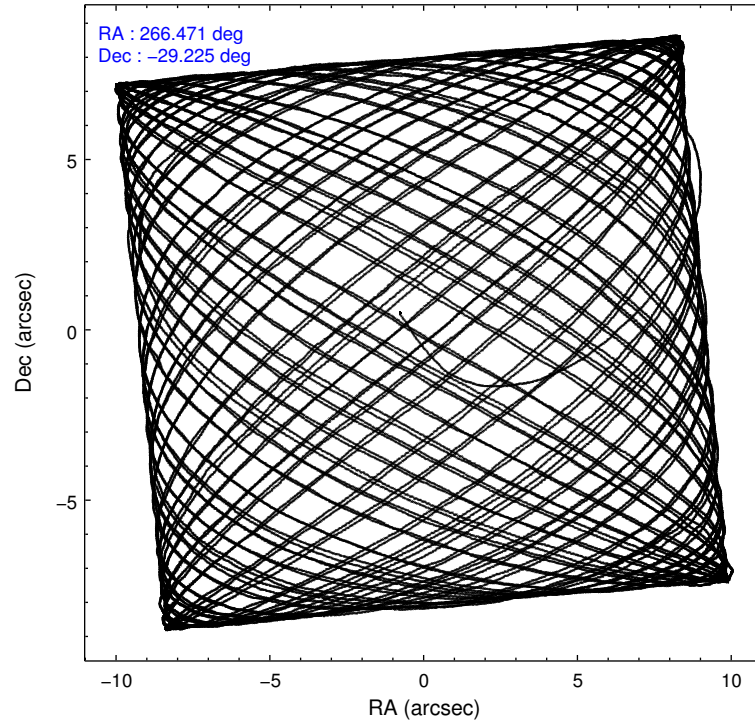
2.1.4 Events

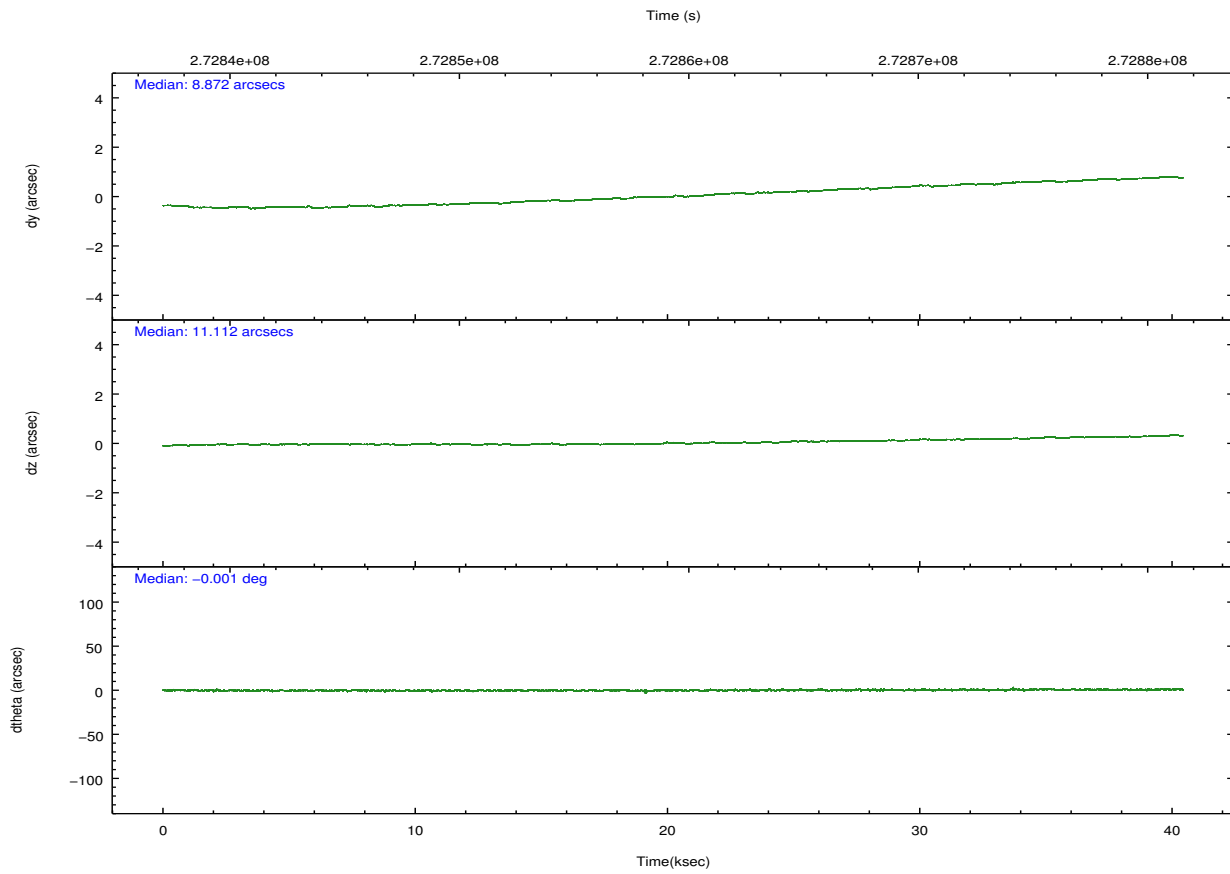
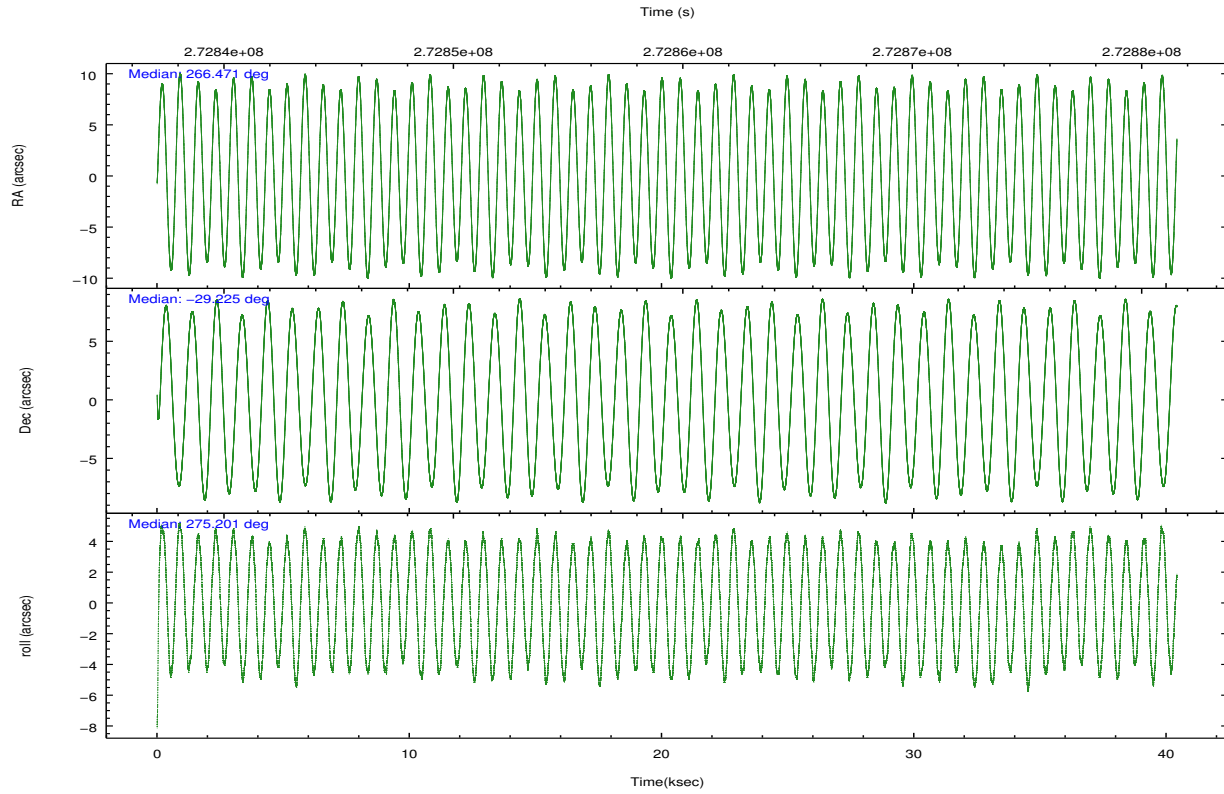
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	339016	355706	381697	368890	373800	491142	grade 0 events	29163	33704	35476	32389	22267	19356
rejected events	281206	287818	317961	307660	323790	281357		8%	9%	9%	8%	5%	3%
rejected %	82%	80%	83%	83%	86%	57%	grade 1 events	282	296	310	346	244	454
								0%	0%	0%	0%	0%	0%
							grade 2 events	11313	13293	11176	10598	10130	42866
								3%	3%	2%	2%	2%	8%
							grade 3 events	4679	5266	4792	4957	4345	18300
								1%	1%	1%	1%	1%	3%
							grade 4 events	4483	5324	4677	4813	4115	18232
								1%	1%	1%	1%	1%	3%
							grade 5 events	13979	15535	13532	16137	16672	45719
								4%	4%	3%	4%	4%	9%
							grade 6 events	8184	10311	7628	8483	9168	111061
								2%	2%	1%	2%	2%	22%
							grade 7 events	266933	271977	304106	291167	306859	235154
								78%	76%	79%	78%	82%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	266.453104	266.4712998495594	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.202999	-29.2253102343837	Alternating exposures requested	N	N
[deg] Pointing Roll	274.990330	275.2078989066539	[s] Primary exposure time	0.000000	3.2
[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)	272839535.184000	272838397.74125			
Observation start date	2006-08-24T20:44:30	2006-08-24T20:26:37			
[s] Observation end time (MET)	272879535.184000	272880297.18072			
Observation end date	2006-08-25T07:51:10	2006-08-25T08:04:57			
Read mode	TIMED	TIMED			

2.3 Aspect



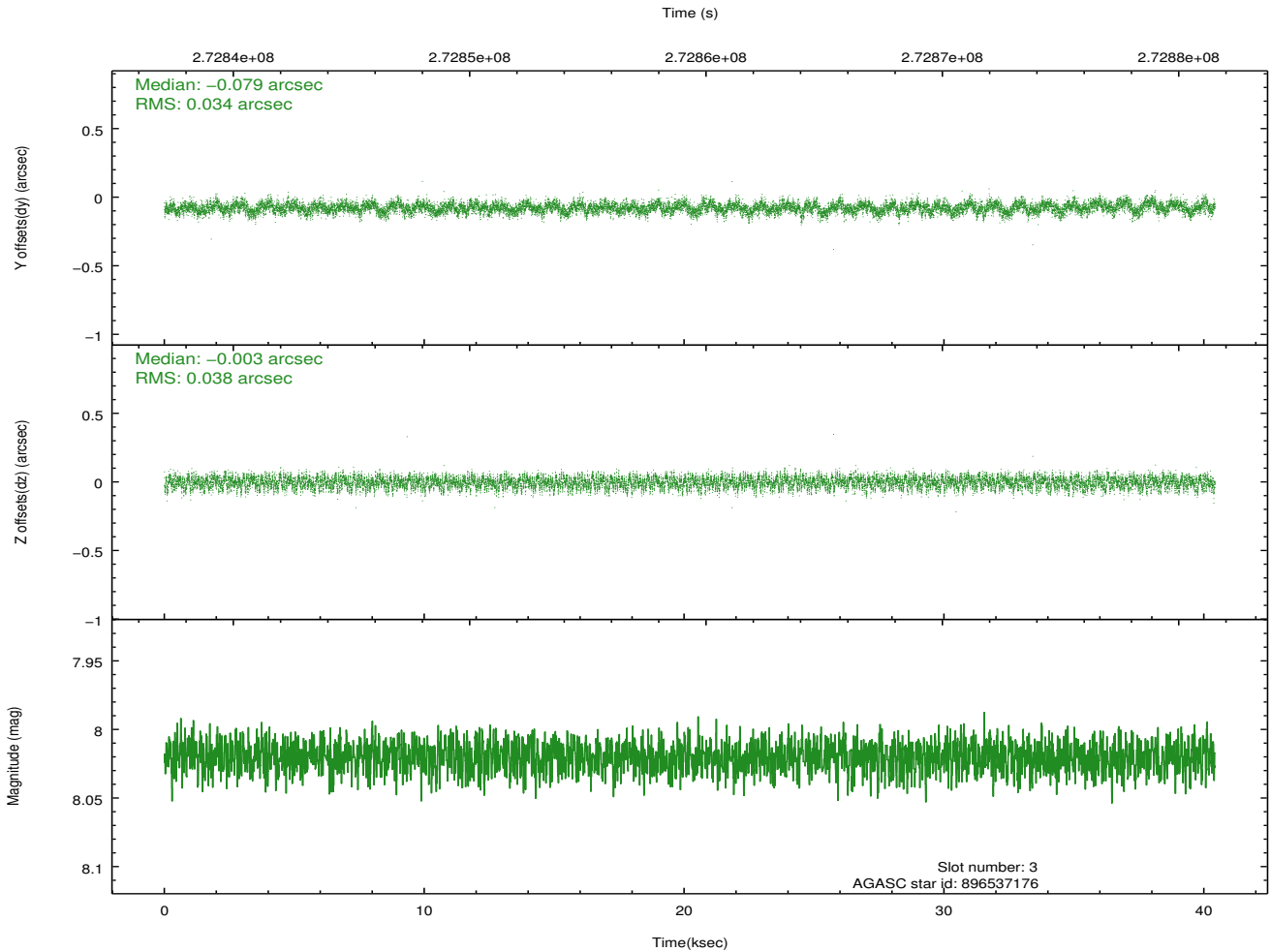
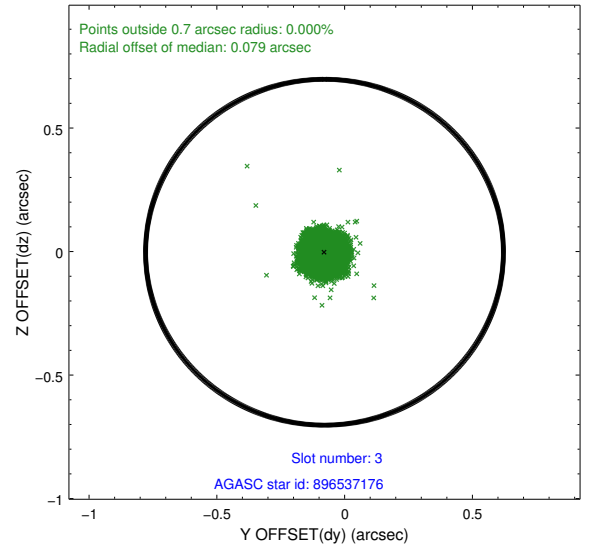
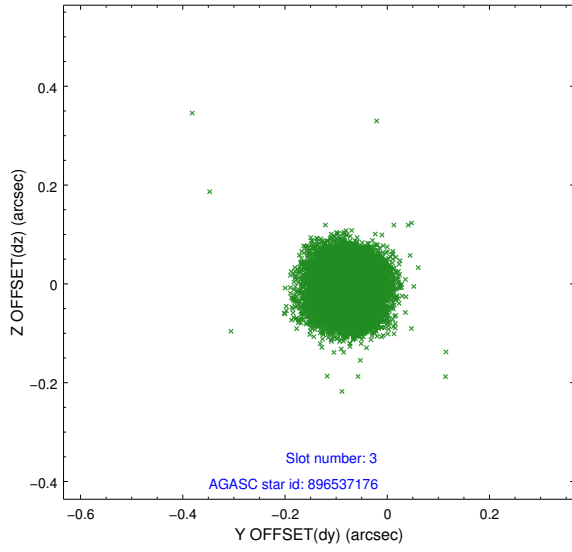


Slot Statistics

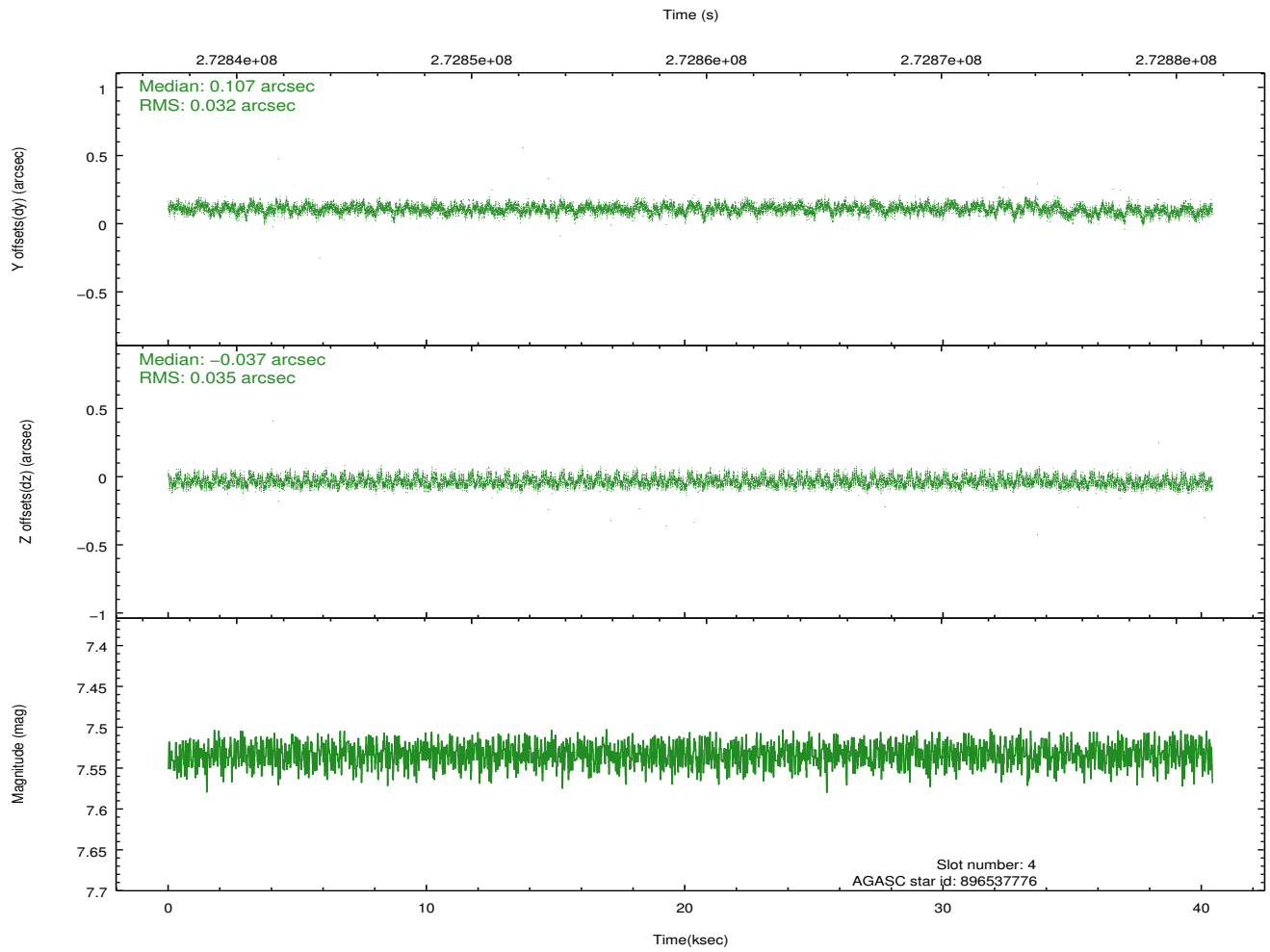
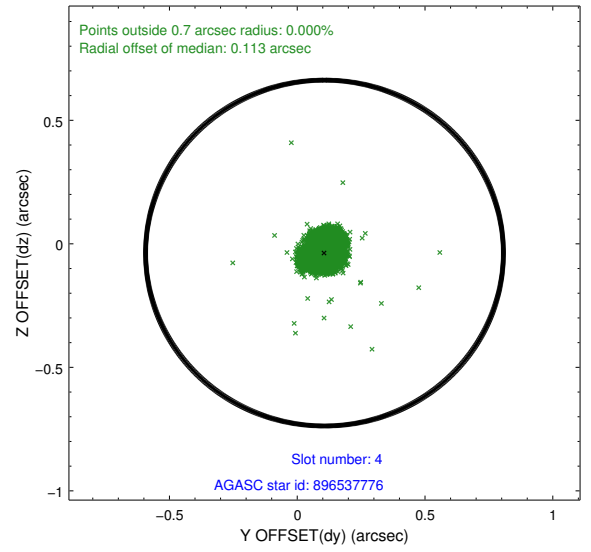
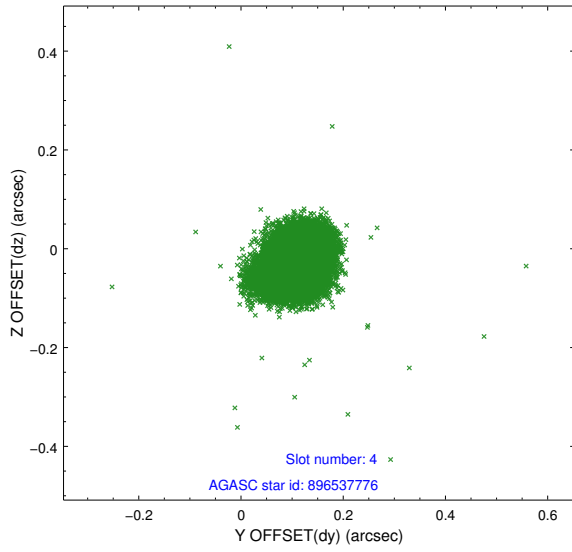
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9859	0.057	-0.048	0.010	0.017	0.000000	0.000000	930.74	-834.72
1	FID	ACIS-I-5	7.23	9860	-0.213	0.055	0.010	0.017	0.000000	0.000000	-1817.61	1062.89
2	FID	ACIS-I-6	7.25	9860	0.065	0.064	0.010	0.017	0.000000	0.000000	396.31	1707.39
3	GUIDE	896537176	8.02	19713	-0.079	-0.003	0.054	0.085	266.498272	-28.678259	-1869.22	306.43
4	GUIDE	896537776	7.53	19719	0.107	-0.037	0.050	0.080	266.655684	-29.665673	1715.30	486.77
5	GUIDE	896540808	7.48	19719	-0.017	-0.036	0.043	0.068	265.985401	-29.308604	254.54	-1495.74
6	GUIDE	896403520	9.06	19702	0.037	-0.083	0.092	0.142	265.626481	-28.748780	-1846.24	-2457.93
7	GUIDE	896541576	8.18	19713	-0.045	0.158	0.058	0.094	267.051055	-28.762912	-1409.46	2017.39

2.4 Star Slots

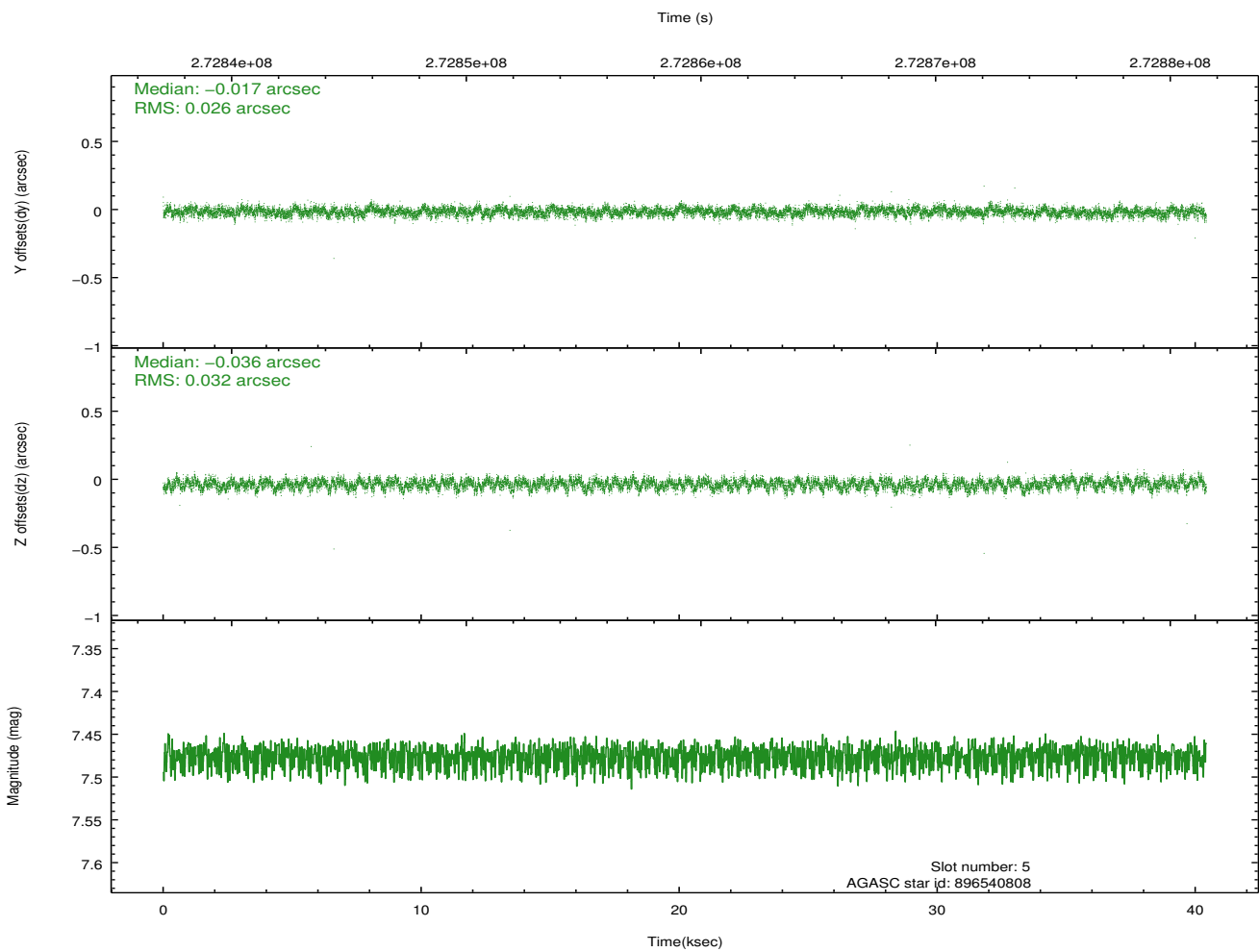
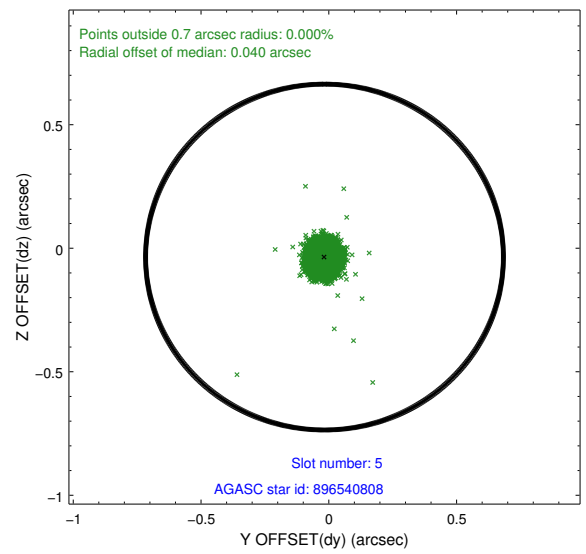
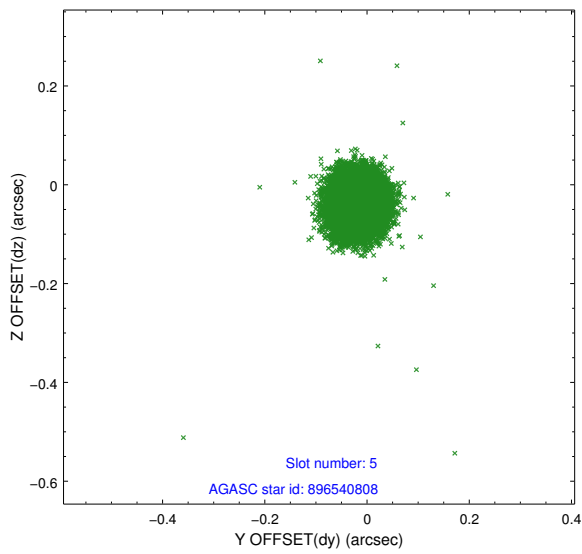
2.4.1 Slot 3



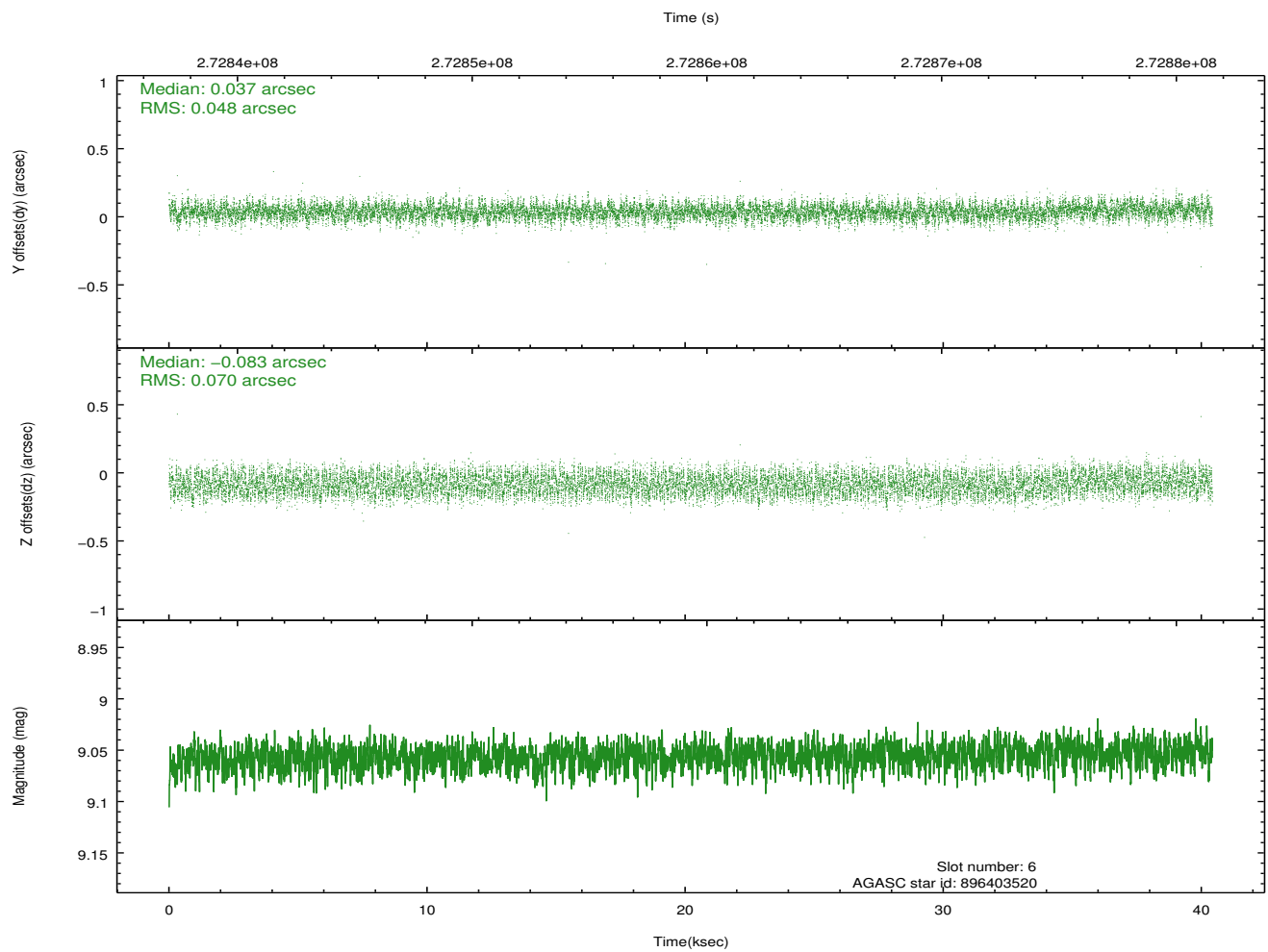
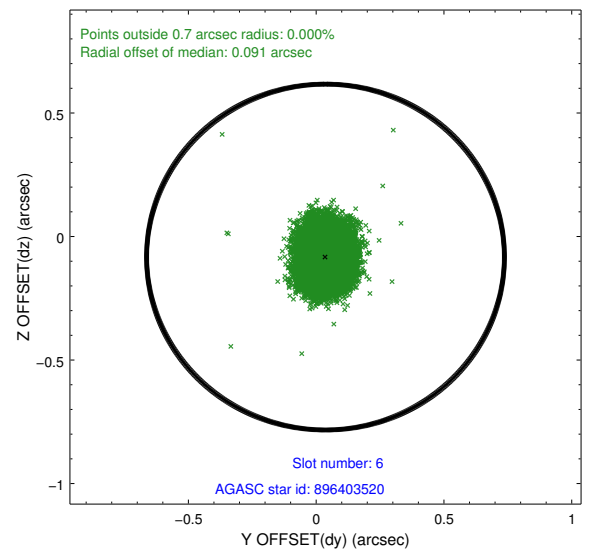
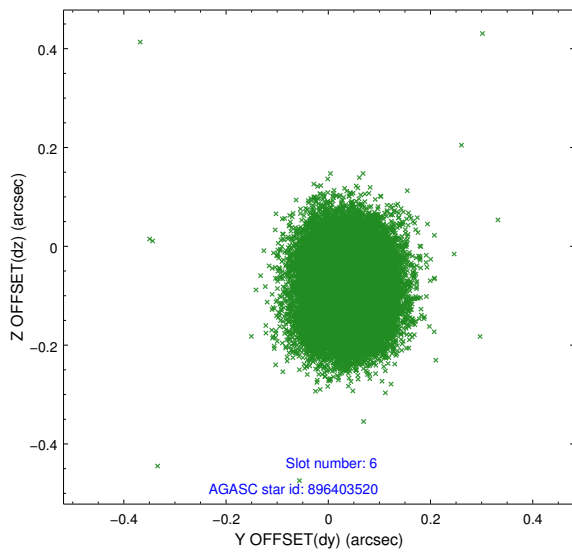
2.4.2 Slot 4



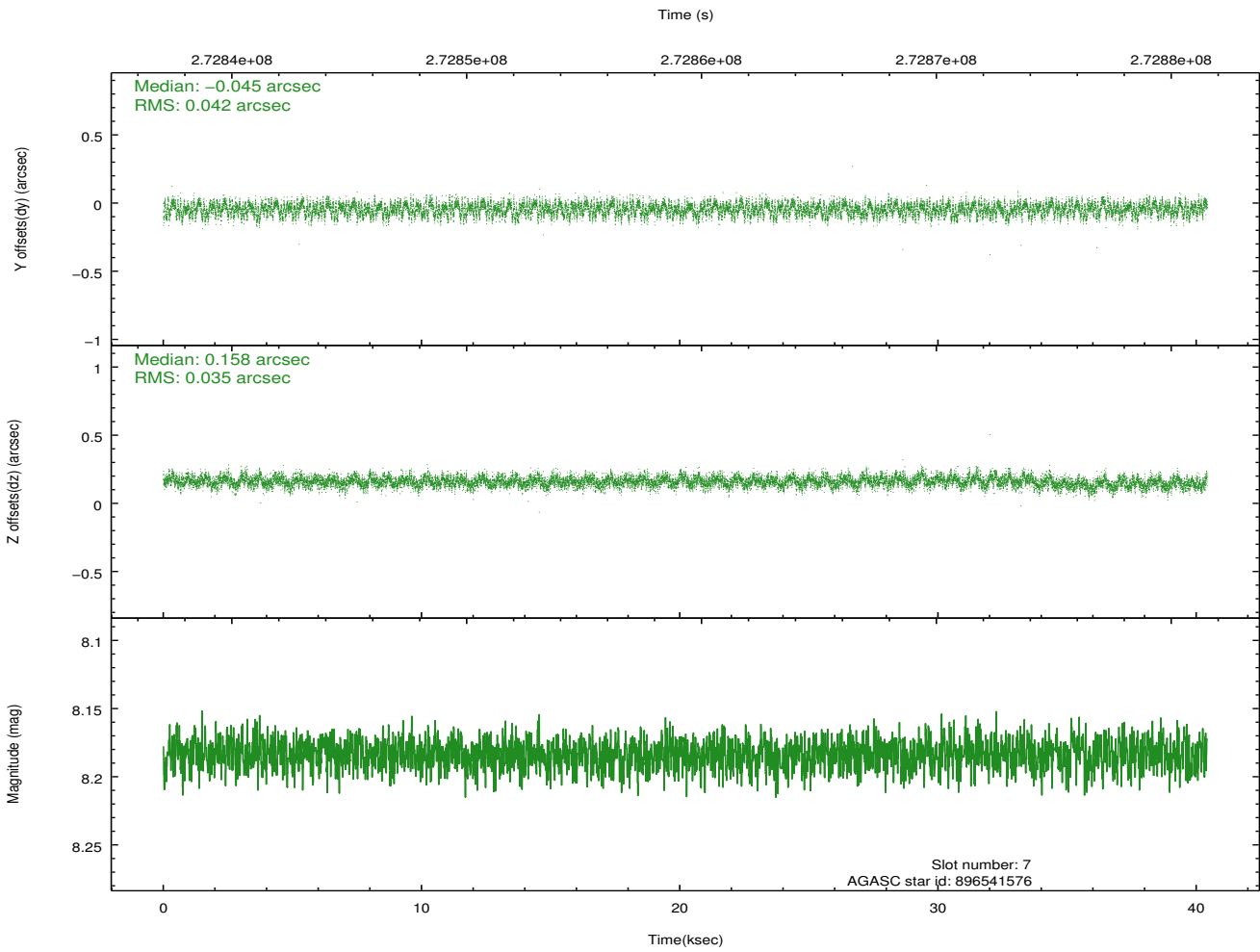
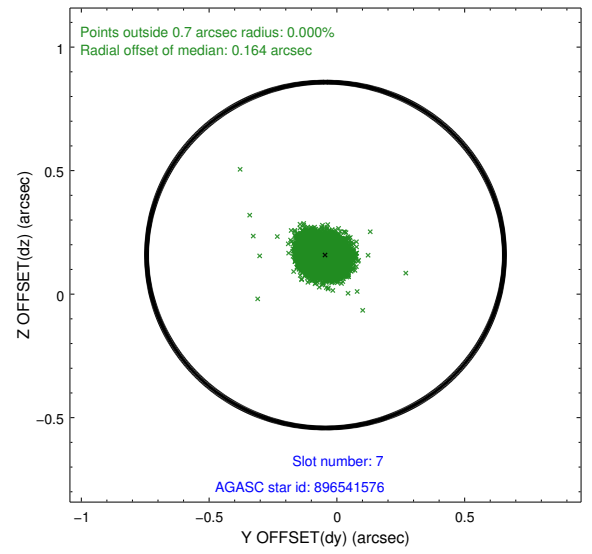
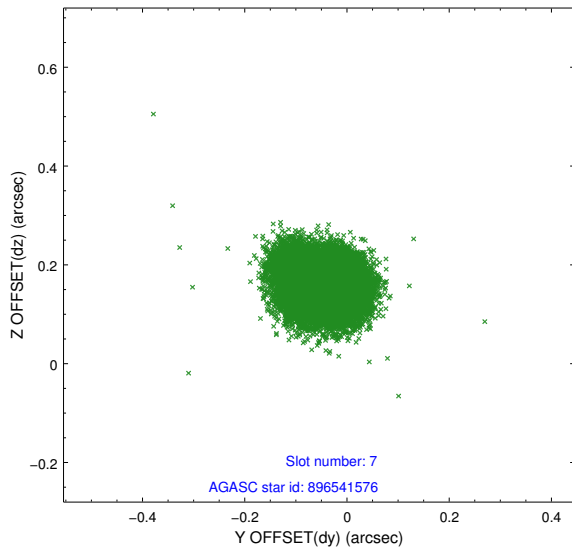
2.4.3 Slot 5



2.4.4 Slot 6

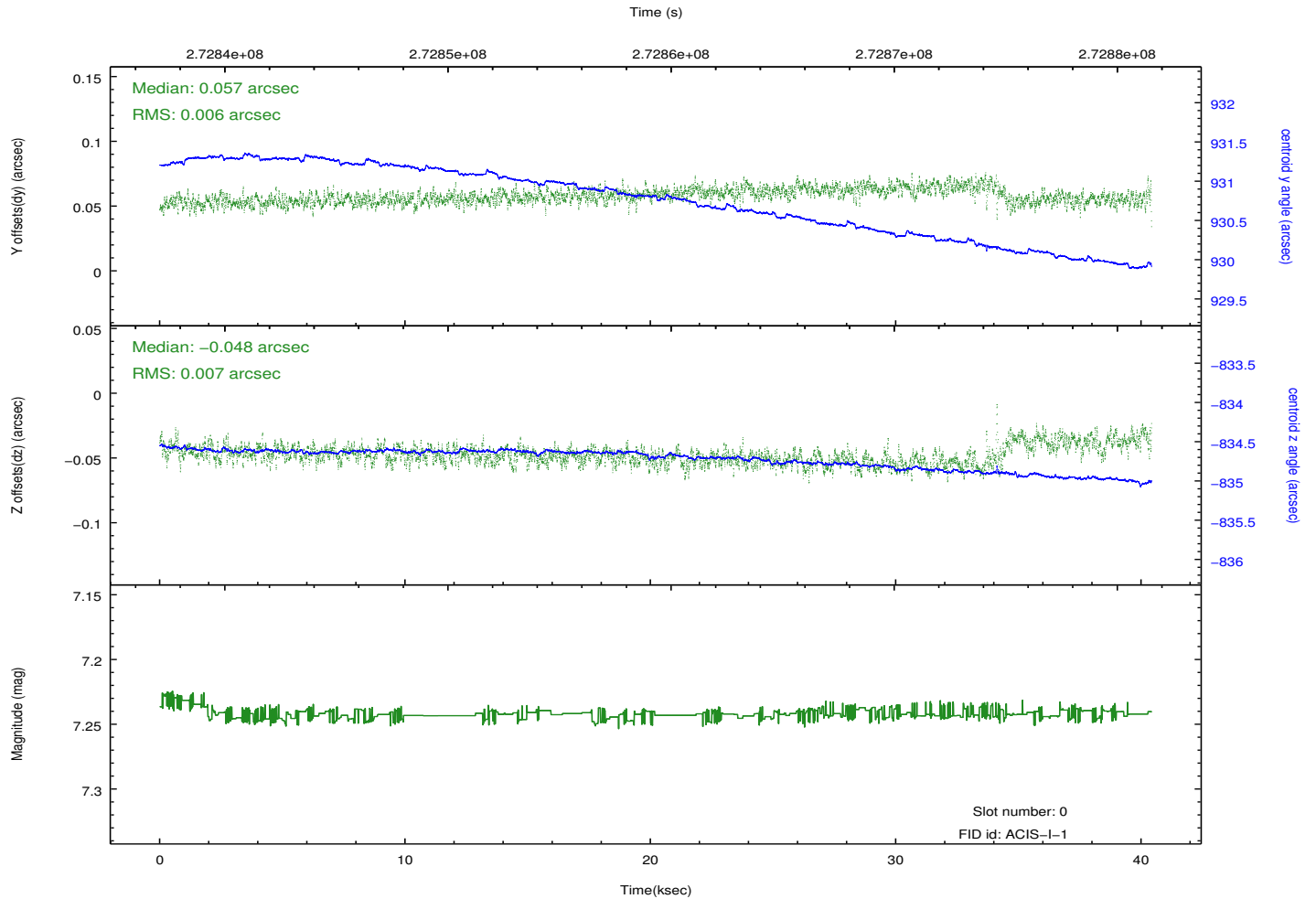
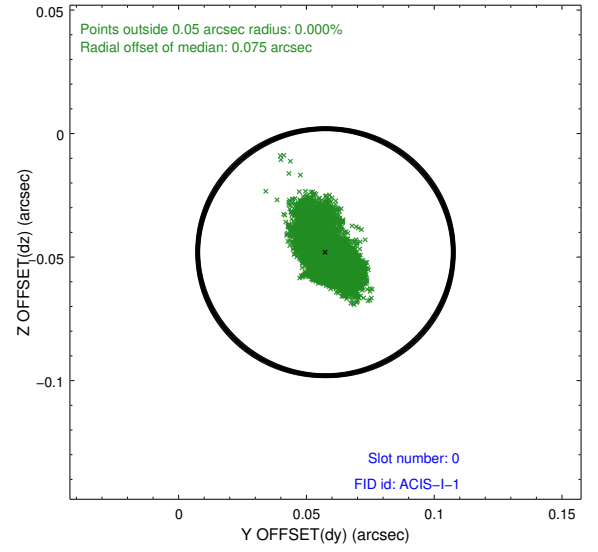
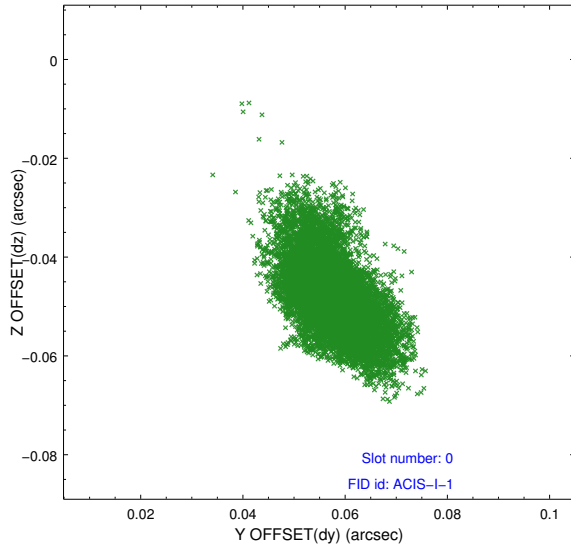


2.4.5 Slot 7

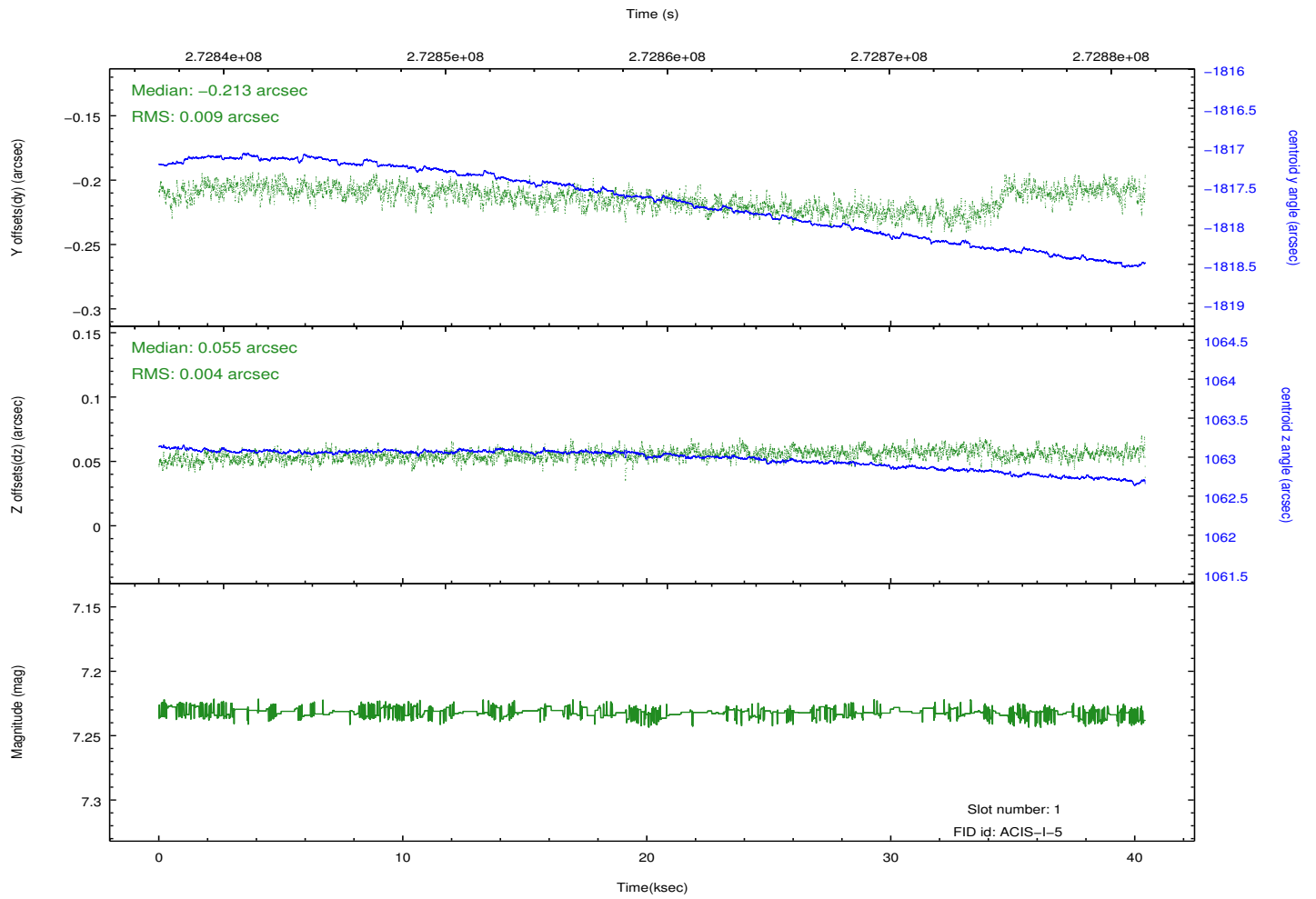
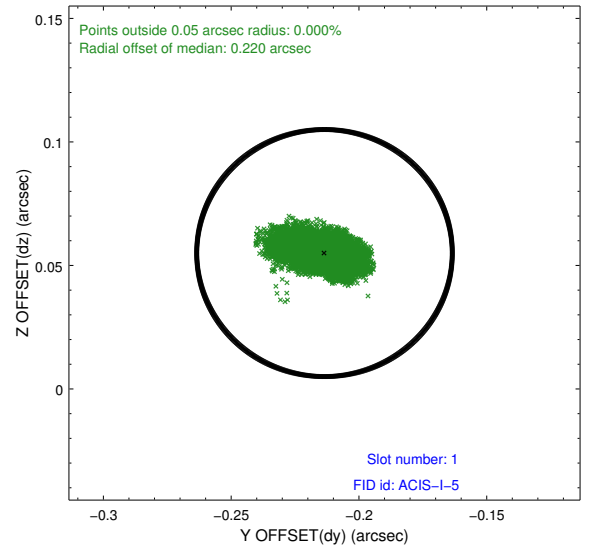
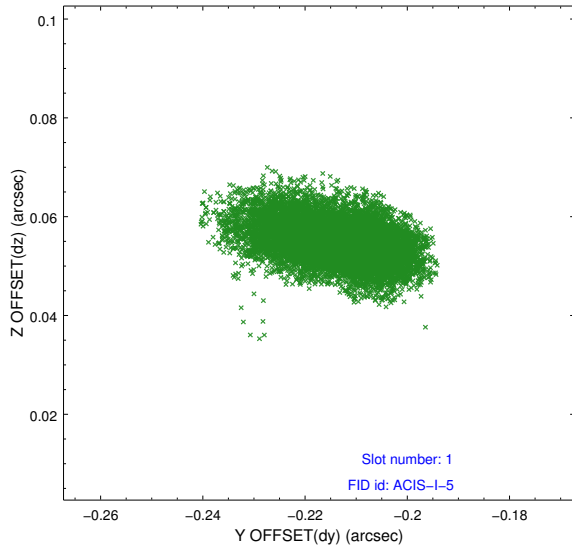


2.5 FID Slots

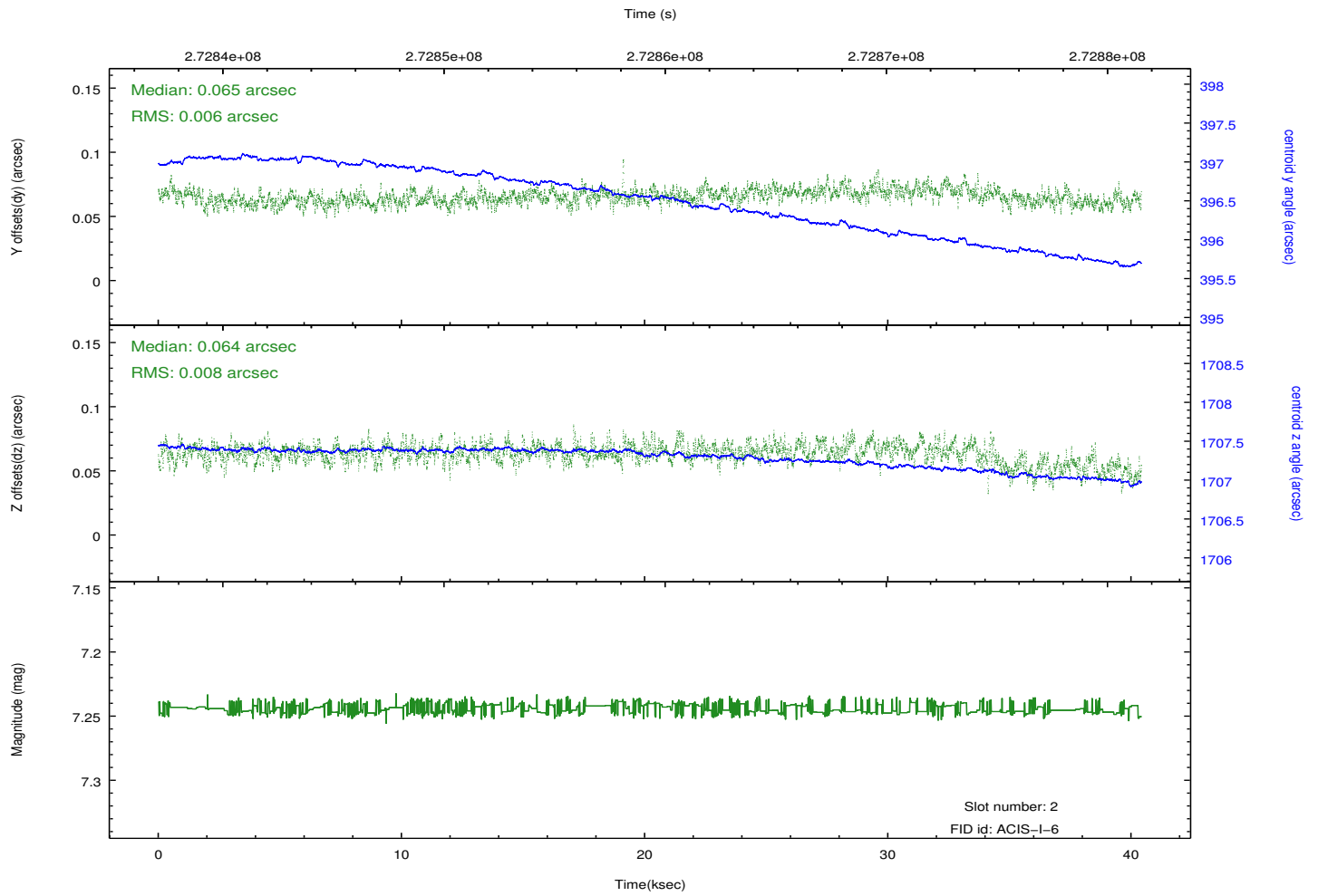
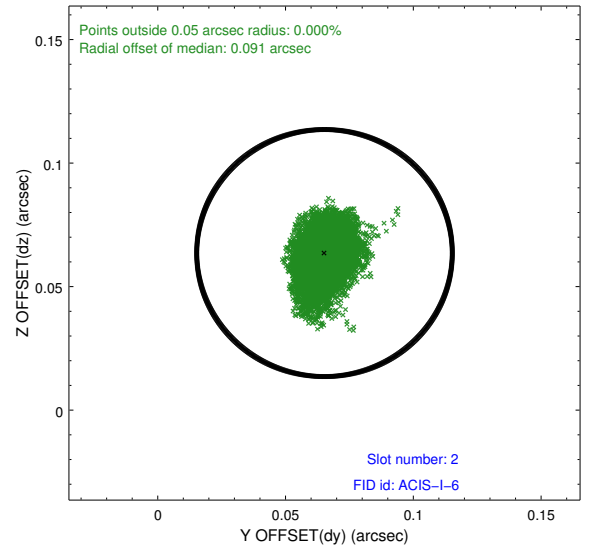
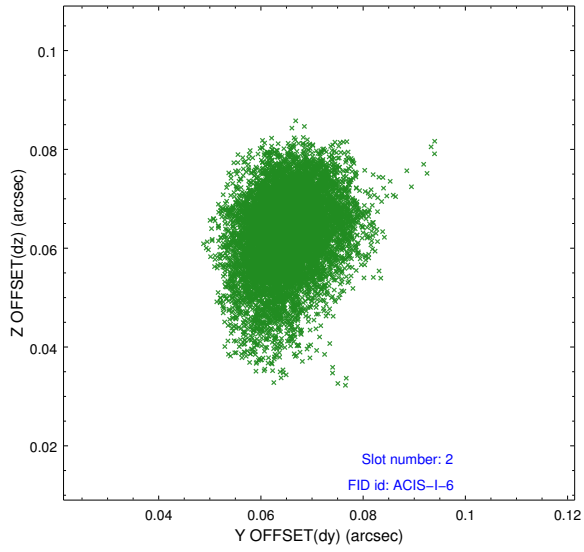
2.5.1 Slot 0



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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.9519998

A.2 Comments

Preferred roll angle constraint met.