

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3741 - L2 Version 3
Chandra X-Ray Center

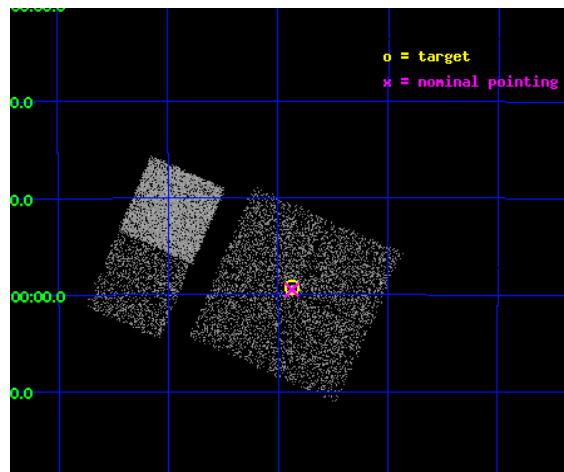
L2 Processing Date : Oct 27 2012

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1 Front

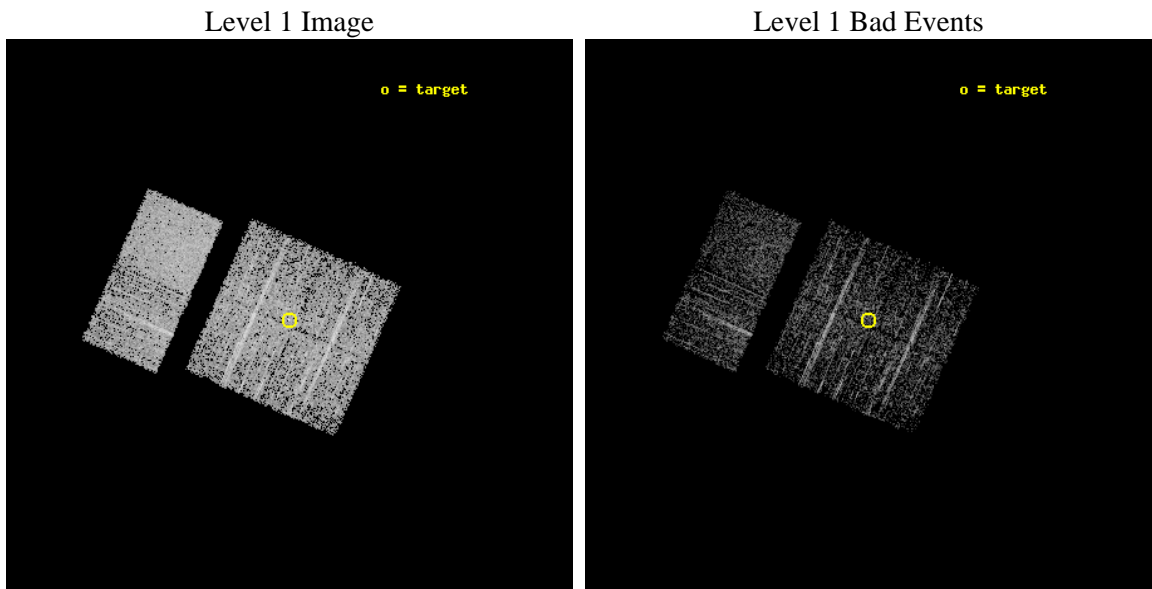
seq_num	200211	Sequence number
obs_id	3741	Observation id
title	ON THE ORIGIN OF THE X-RAY EMISSION IN LATE B-TYPE STARS	Proposal
observer	Dr. Nuria Huelamo	Principal investigator
object	HD110073	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	189.96875	Observer's specified target RA [deg]
dec_targ	-39.987306	Observer's specified target Dec [deg]
ra_nom	189.96871131321	Nominal RA [deg]
dec_nom	-39.991772028124	Nominal Dec [deg]
roll_nom	293.9927189512	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2249.5999916196	Sum of GTIs [s]
livetime	2221.1142019792	Livetime [s]
ontime0	2249.5999916196	Sum of GTIs [s]
ontime1	2249.5999916196	Sum of GTIs [s]
ontime2	2249.5999916196	Sum of GTIs [s]
ontime3	2249.5999916196	Sum of GTIs [s]
ontime6	2249.5999916196	Sum of GTIs [s]
ontime7	2246.3590213656	Sum of GTIs [s]
l2events	14910	Number of level 2 events



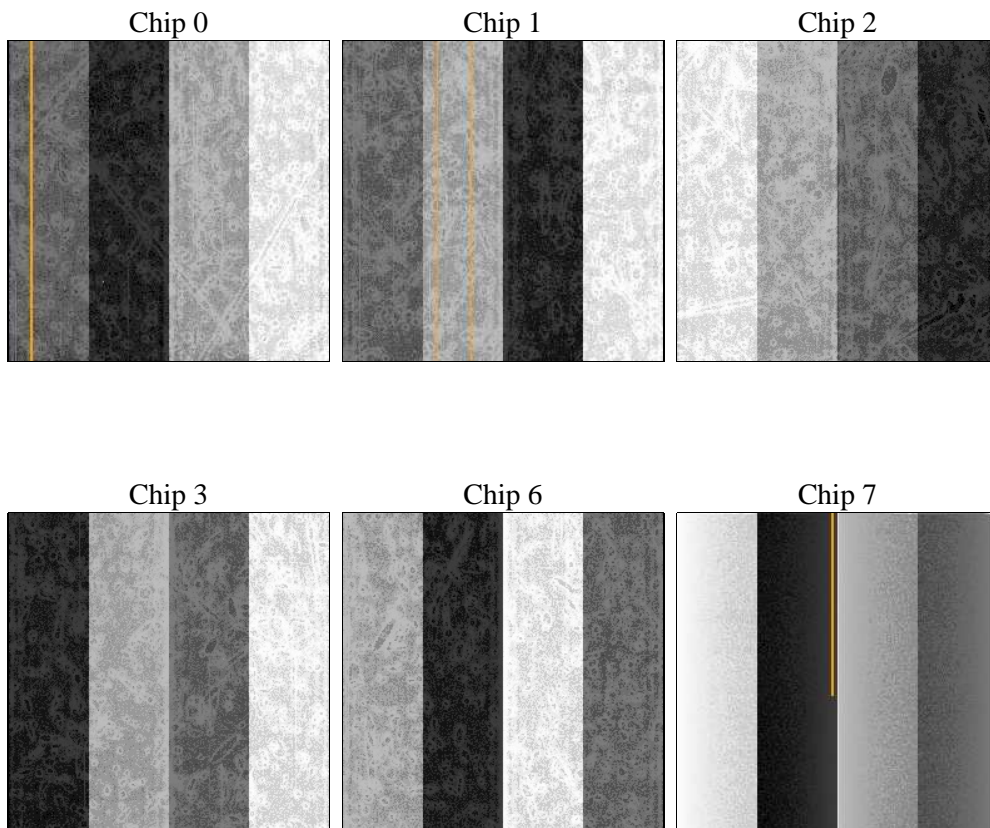
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	2100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2249.5999916196	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	2249.5999916196	Sum of GTIs [s]
date	2012-10-27T17:04:05	Date and time of file creation	ontime1	2249.5999916196	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2249.5999916196	Sum of GTIs [s]
			ontime3	2249.5999916196	Sum of GTIs [s]
			ontime6	2249.5999916196	Sum of GTIs [s]
			ontime7	2246.3590213656	Sum of GTIs [s]
			l1events	369244	Number of level 1 events

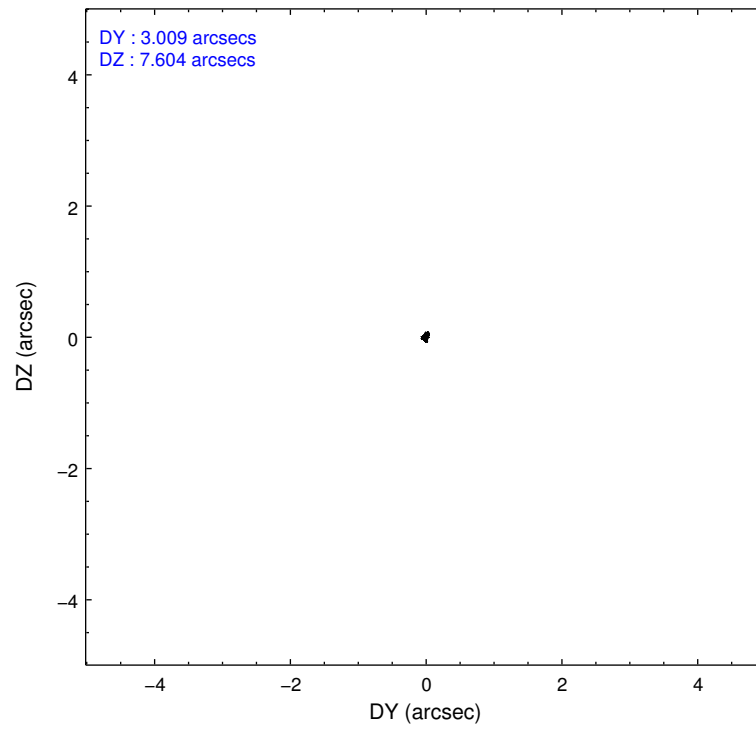
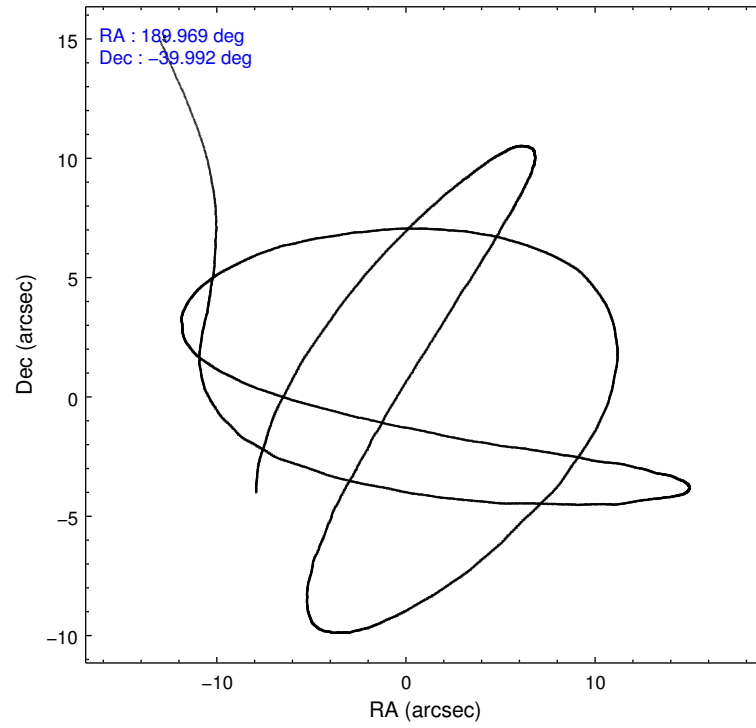
2.1.4 Events

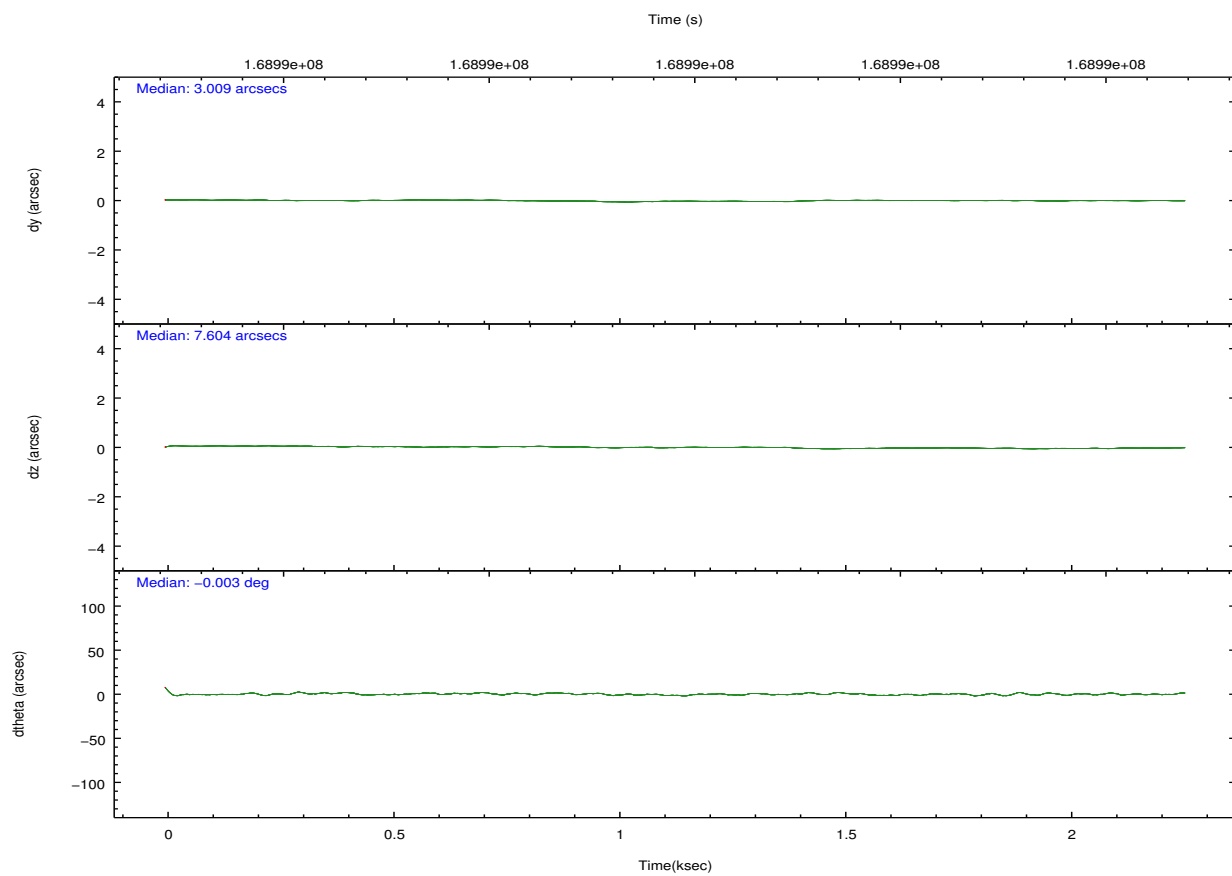
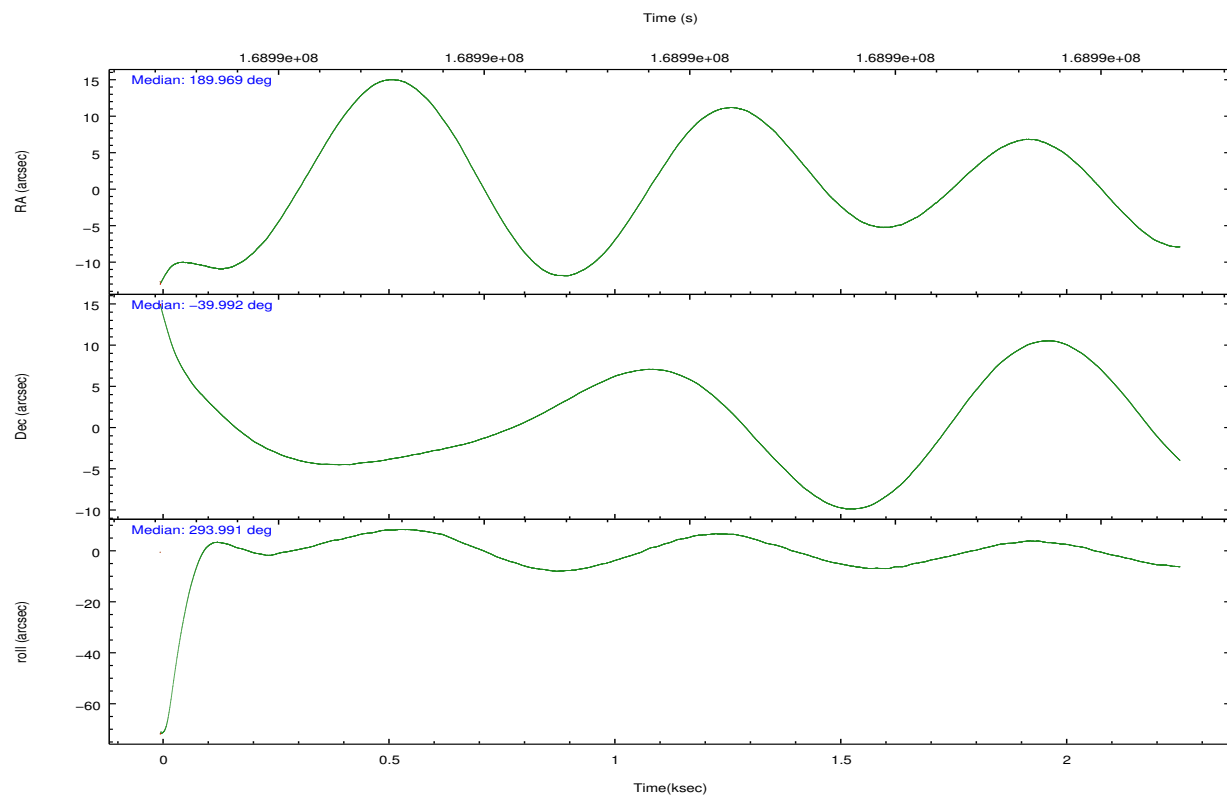
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	55188	54813	54436	56091	58174	90542	grade 0 events	20735	20535	19450	21117	20566	16316
rejected events	53534	53034	52753	54306	56504	82819		37%	37%	35%	37%	35%	18%
rejected %	97%	96%	96%	96%	97%	91%	grade 1 events	112	106	104	114	101	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	6617	6736	5898	6476	6710	15243
								11%	12%	10%	11%	11%	16%
							grade 3 events	2456	2359	2331	2421	2372	7110
								4%	4%	4%	4%	4%	7%
							grade 4 events	2459	2521	2358	2442	2440	6933
								4%	4%	4%	4%	4%	7%
							grade 5 events	948	975	955	975	1107	3600
								1%	1%	1%	1%	1%	3%
							grade 6 events	5411	5515	4812	5290	6187	24445
								9%	10%	8%	9%	10%	26%
							grade 7 events	16450	16066	18528	17256	18691	16831
								29%	29%	34%	30%	32%	18%

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	189.939859	189.968711313209	Subarray requested	NONE	NONE
[deg] Pointing Dec	-39.975927	-39.99177202812366	Alternating exposures requested	N	N
[deg] Pointing Roll	293.765929	293.9927189512014	[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)	168987974.184000	168985882.51435			
Observation start date	2003-05-10T21:05:10	2003-05-10T20:31:22			
[s] Observation end time (MET)	168990074.184000	168990987.52707			
Observation end date	2003-05-10T21:40:10	2003-05-10T21:56:27			
Read mode	TIMED	TIMED			

2.3 Aspect



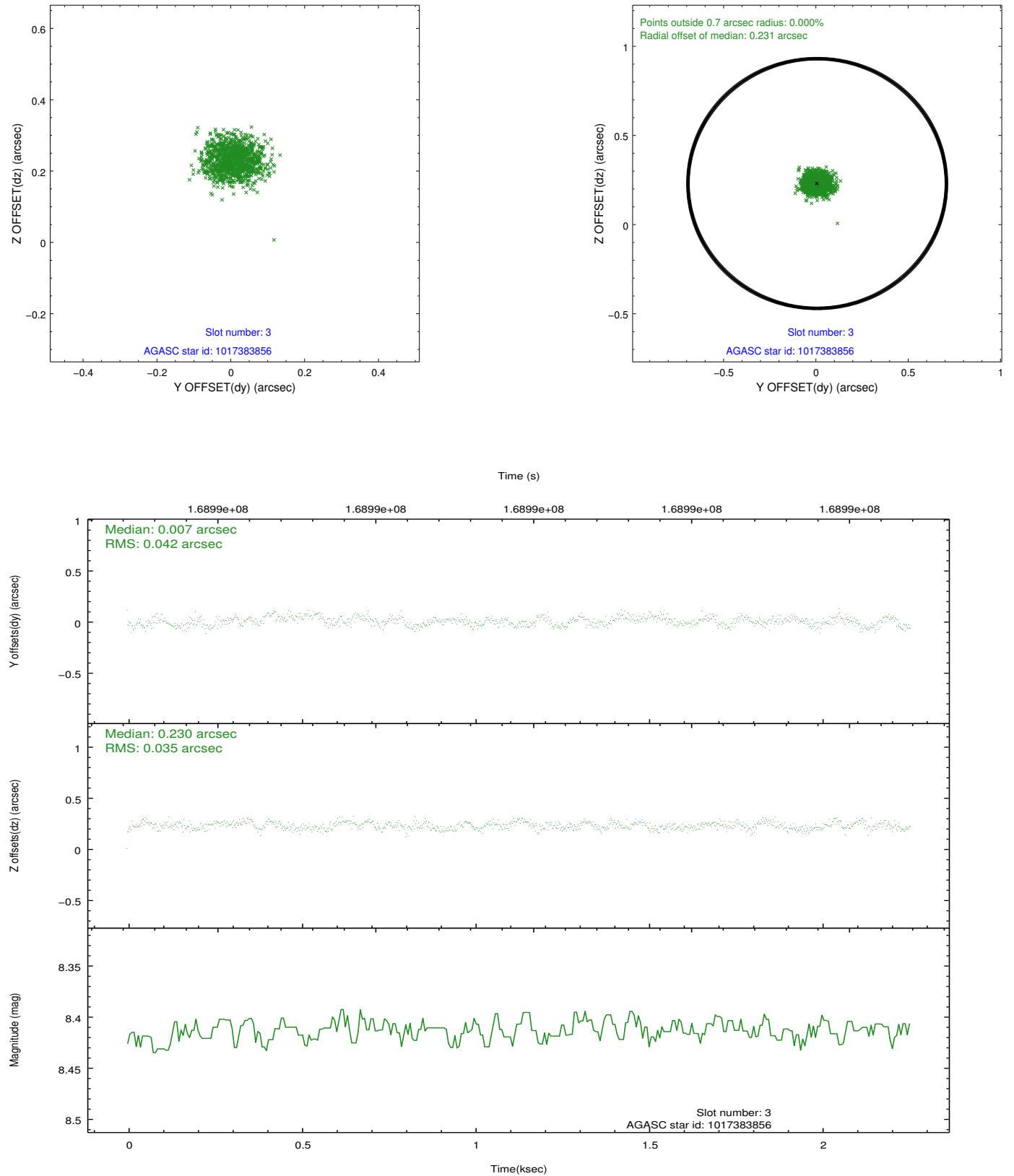


Slot Statistics

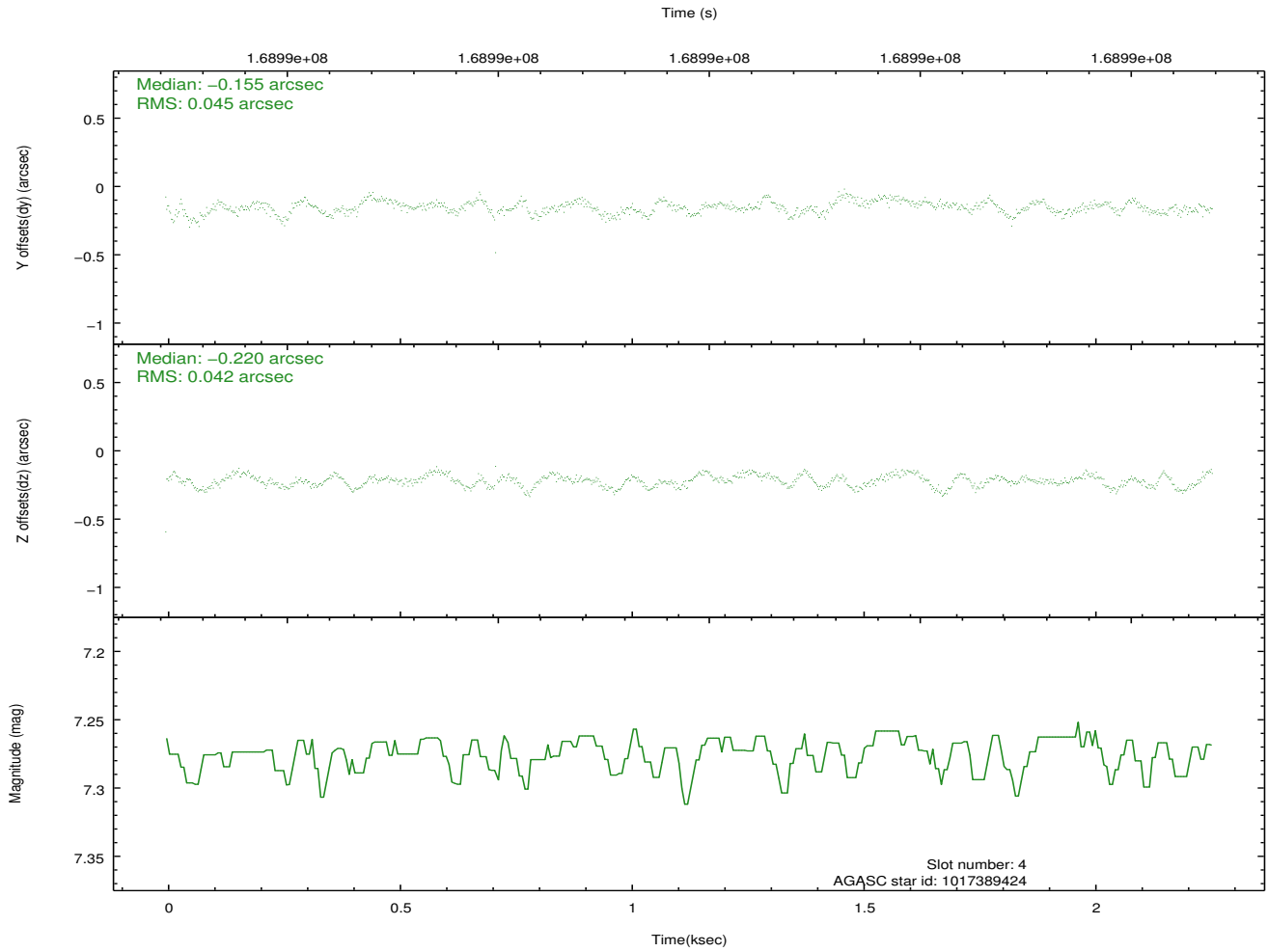
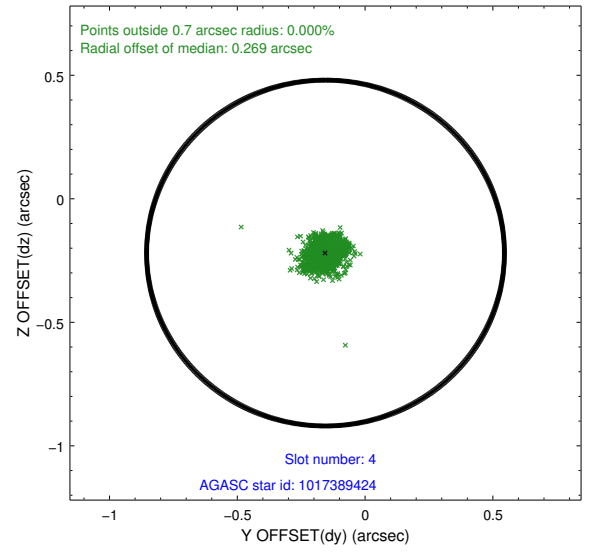
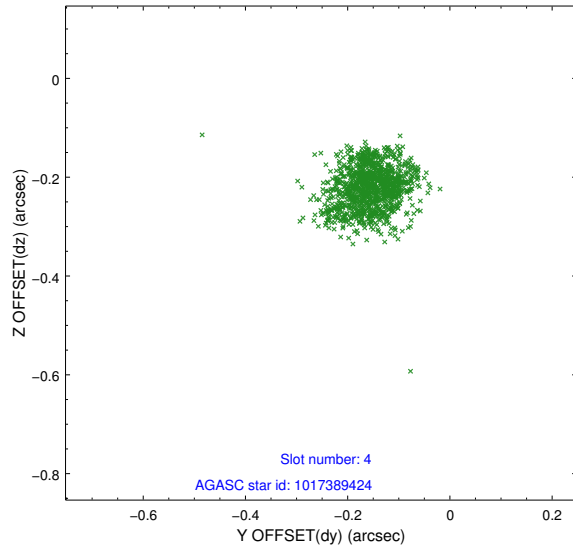
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	550	-0.088	0.023	0.009	0.014	0.000000	0.000000	936.72	-830.97
1	FID	ACIS-I-2	7.14	550	-0.060	-0.035	0.008	0.012	0.000000	0.000000	-755.72	-838.94
2	FID	ACIS-I-4	7.17	550	0.050	0.079	0.007	0.012	0.000000	0.000000	2155.40	1067.47
3	GUIDE	1017383856	8.41	1101	0.007	0.230	0.059	0.089	189.725196	-39.655865	-1293.21	-80.16
4	GUIDE	1017389424	7.28	1100	-0.155	-0.220	0.064	0.101	189.670980	-39.392364	-2223.90	161.33
5	GUIDE	1019084936	8.46	1097	0.040	0.088	0.074	0.117	190.582410	-39.936294	588.74	1678.46
6	GUIDE	1019089792	8.94	1090	0.058	-0.075	0.100	0.164	190.585914	-39.523689	-760.04	2297.00
7	GUIDE	1019101328	6.77	1098	0.039	-0.025	0.062	0.098	190.859432	-40.177847	1696.50	2019.02

2.4 Star Slots

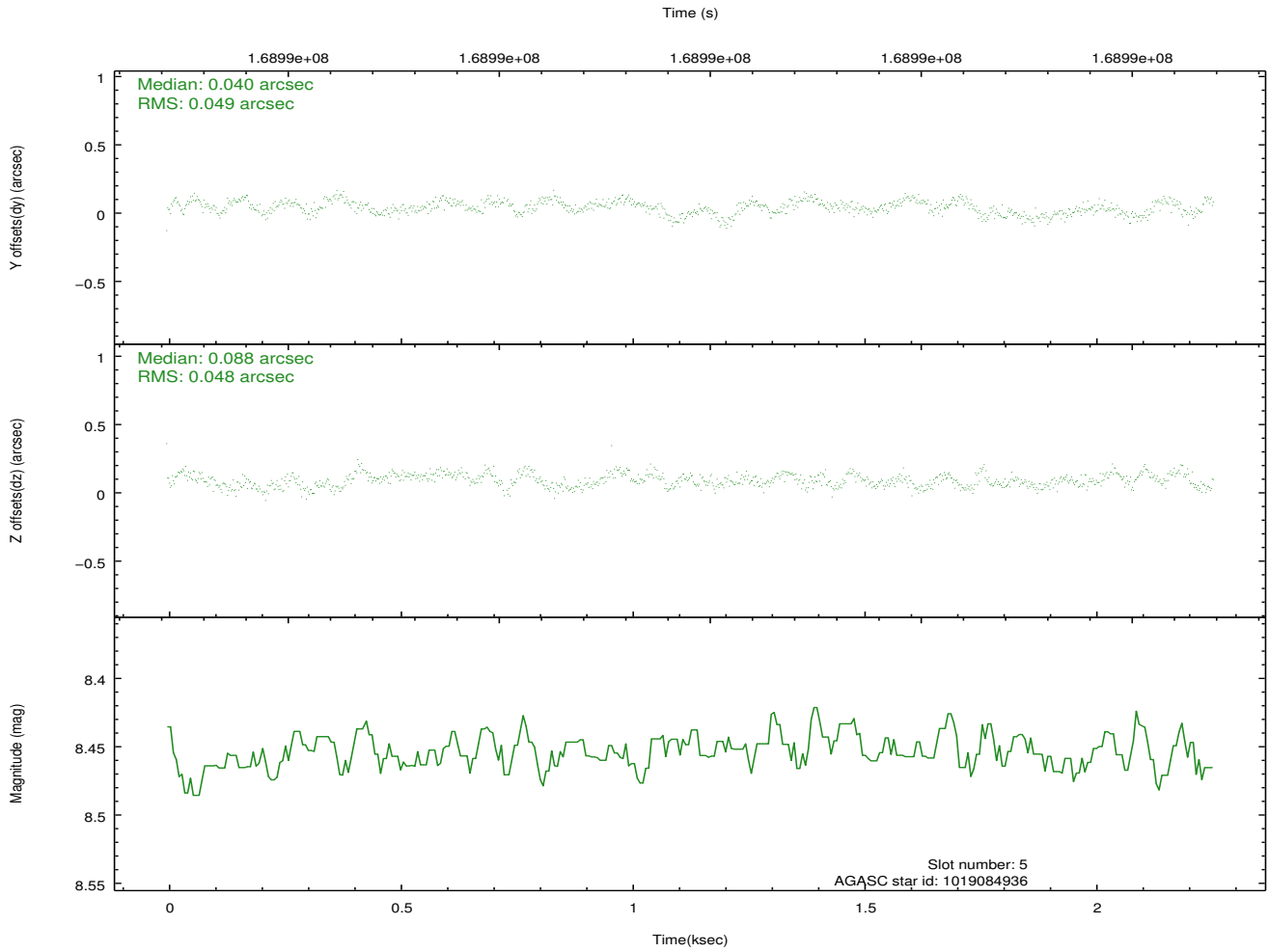
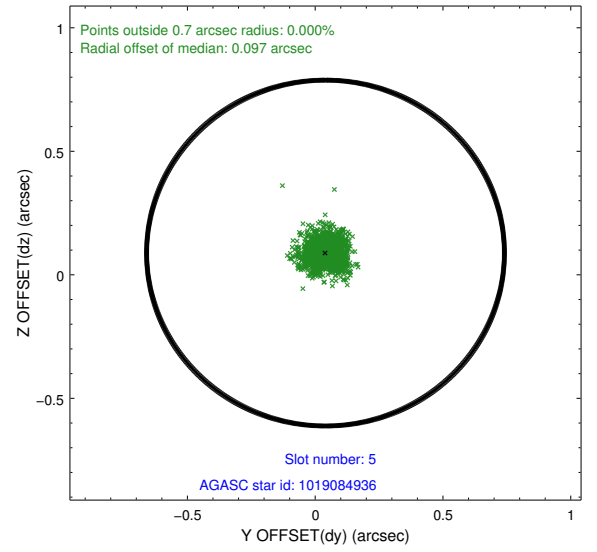
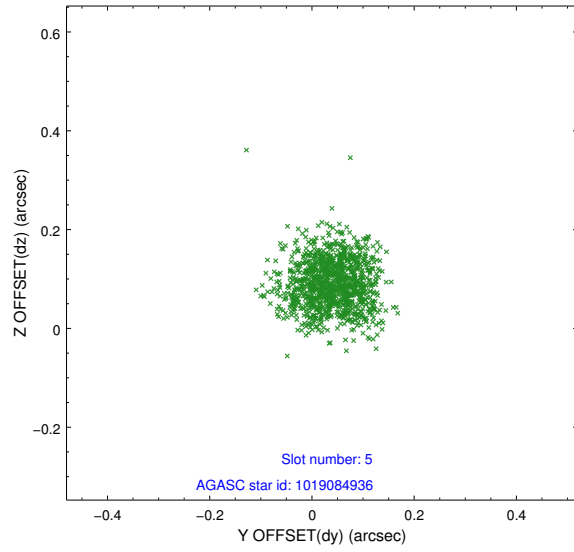
2.4.1 Slot 3



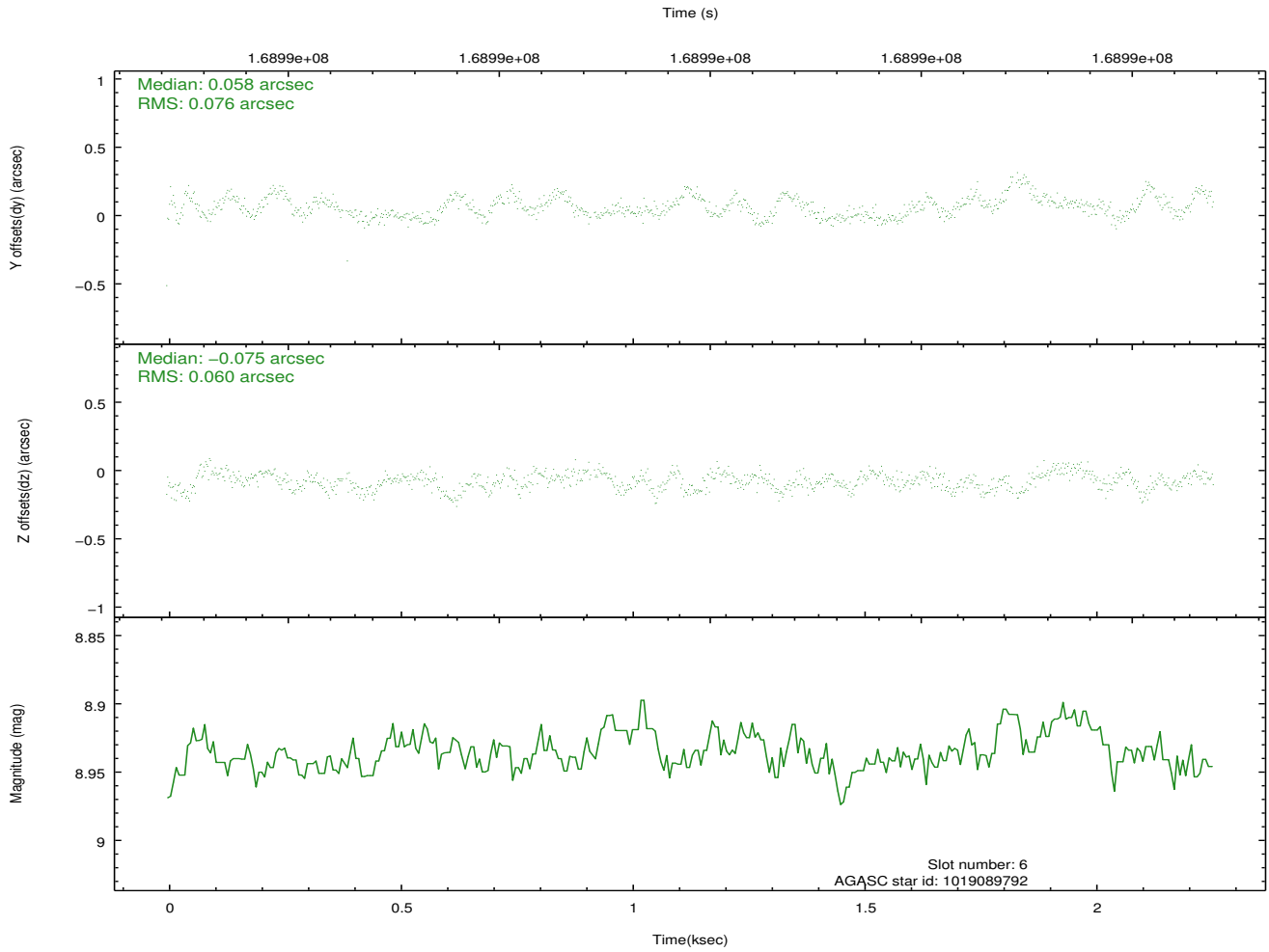
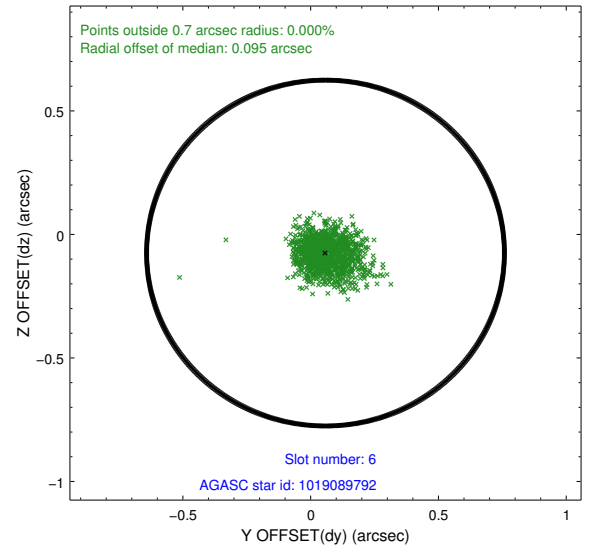
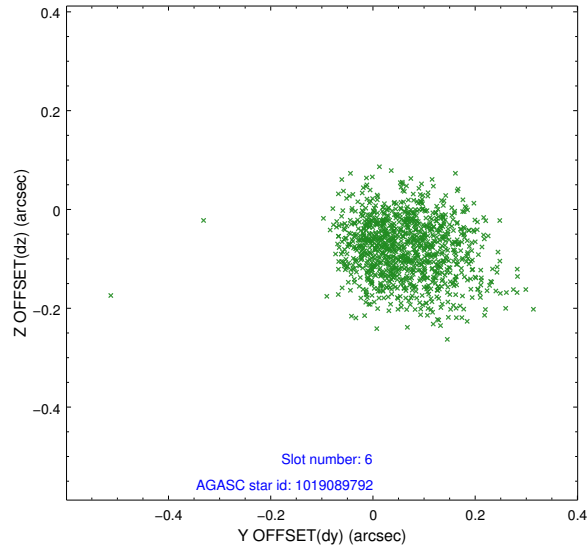
2.4.2 Slot 4



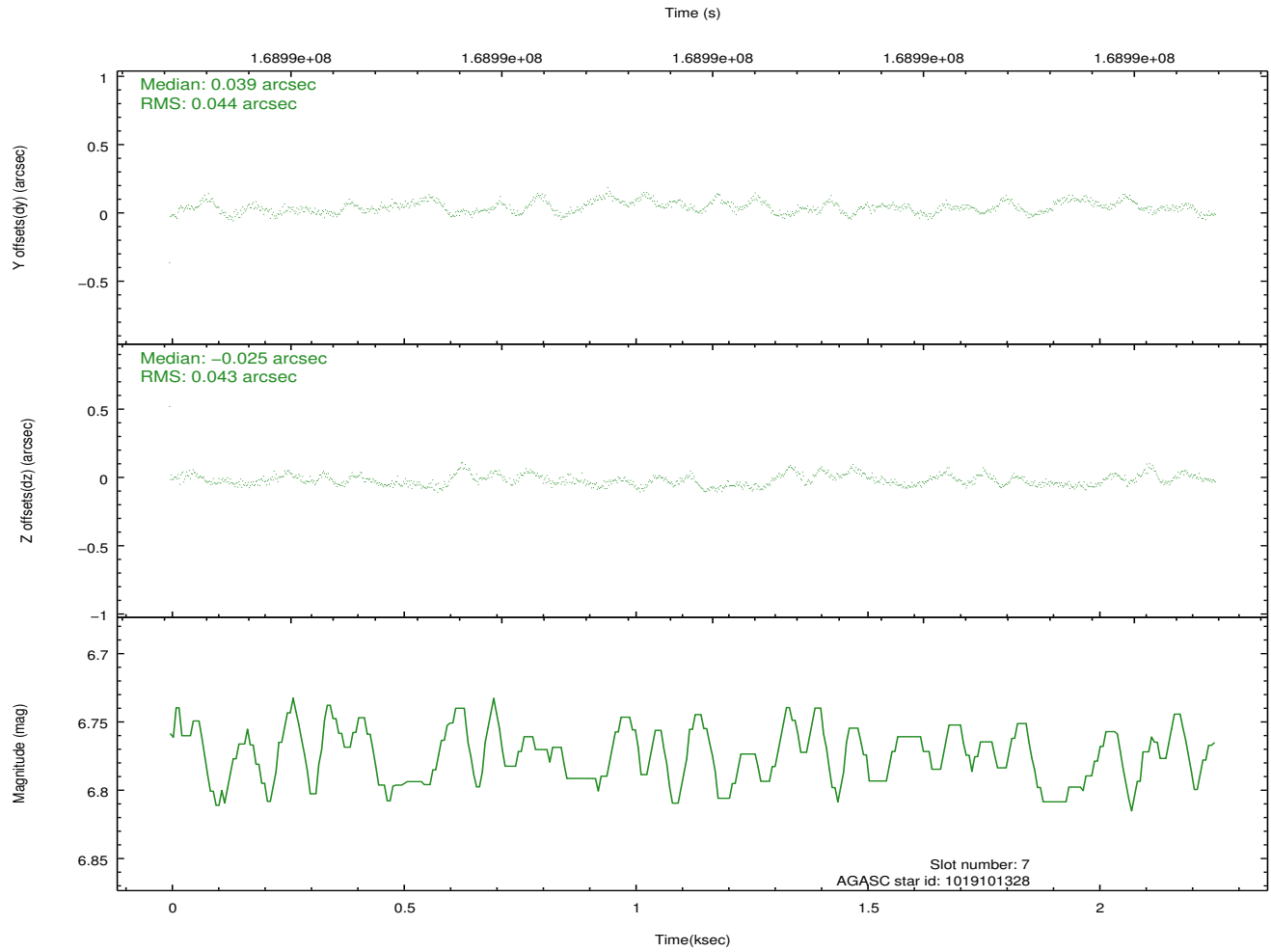
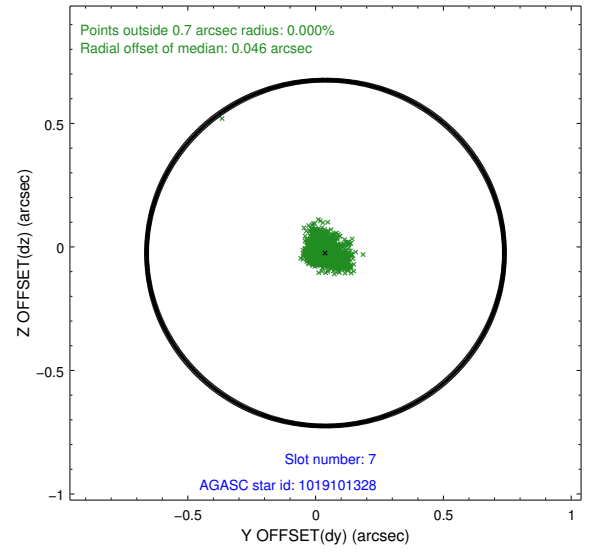
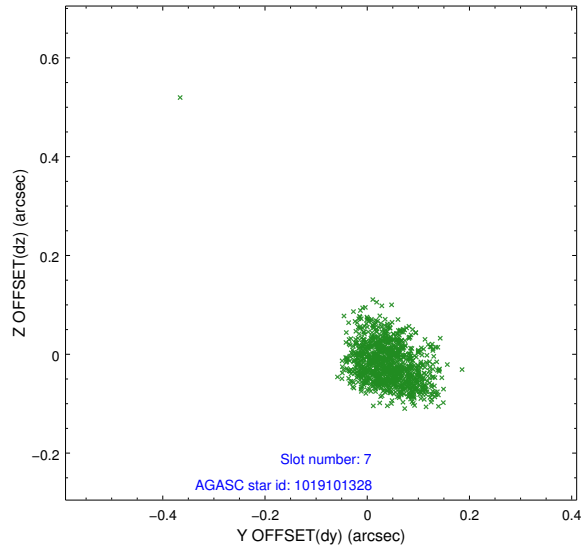
2.4.3 Slot 5



2.4.4 Slot 6

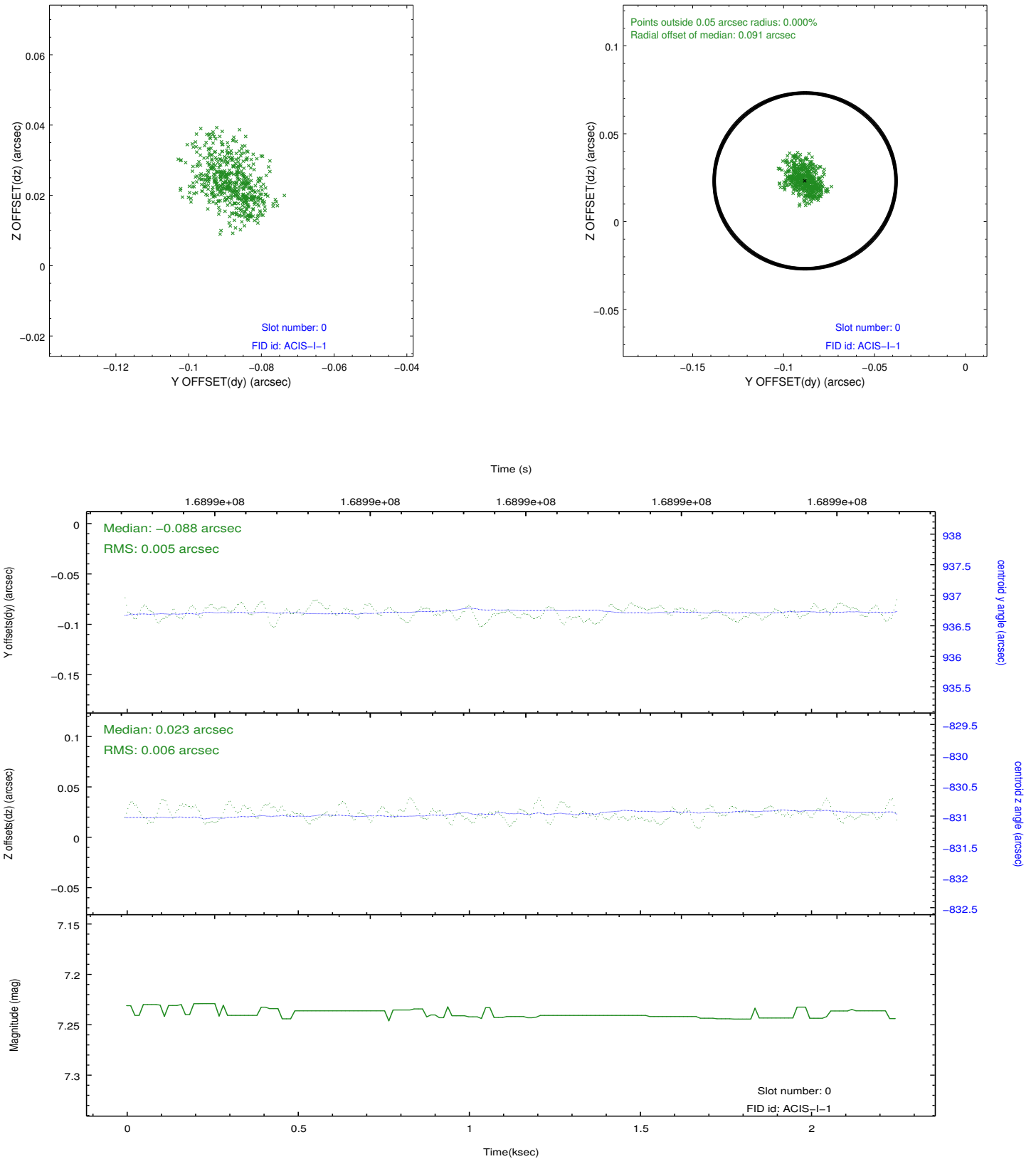


2.4.5 Slot 7

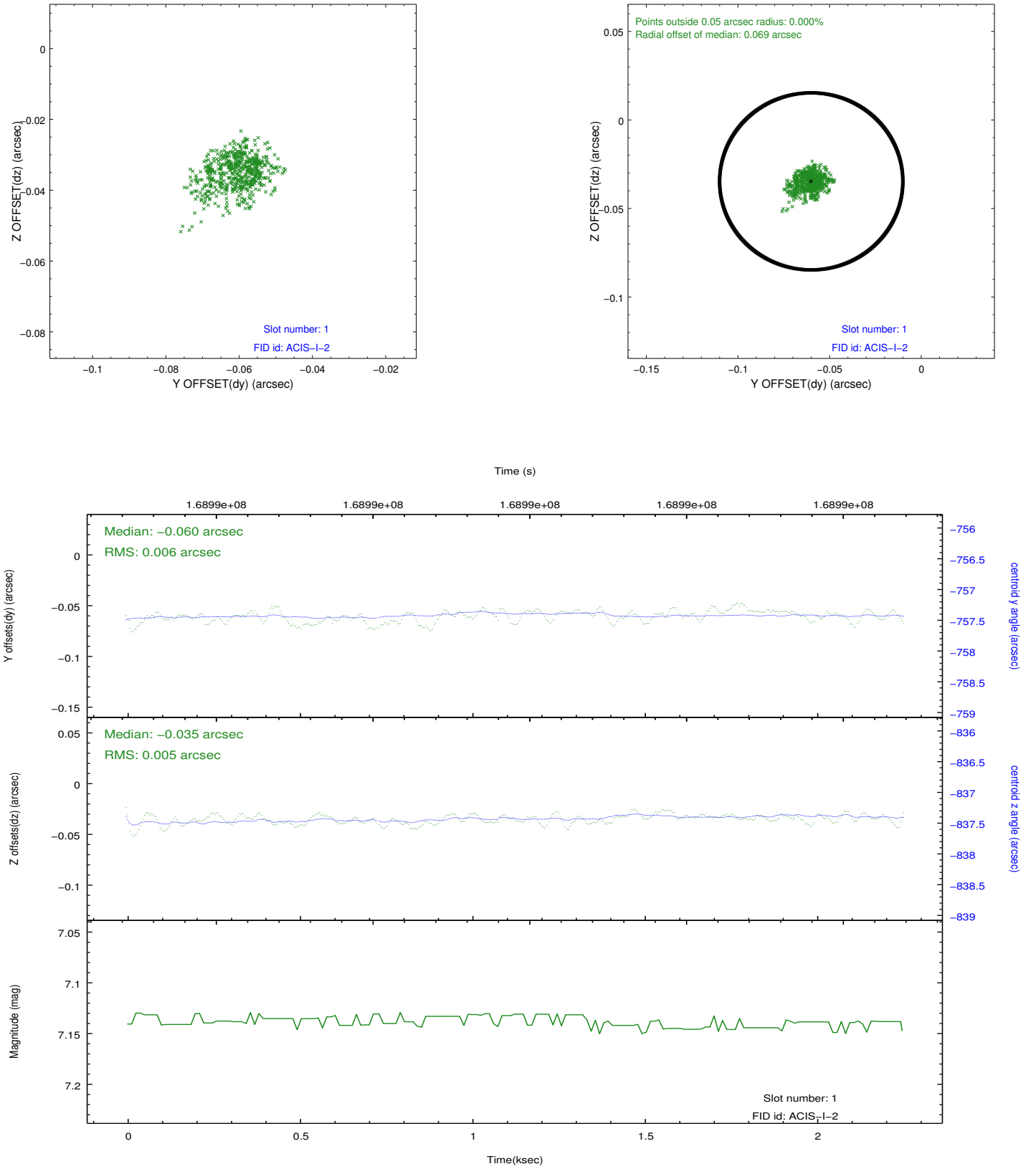


2.5 FID Slots

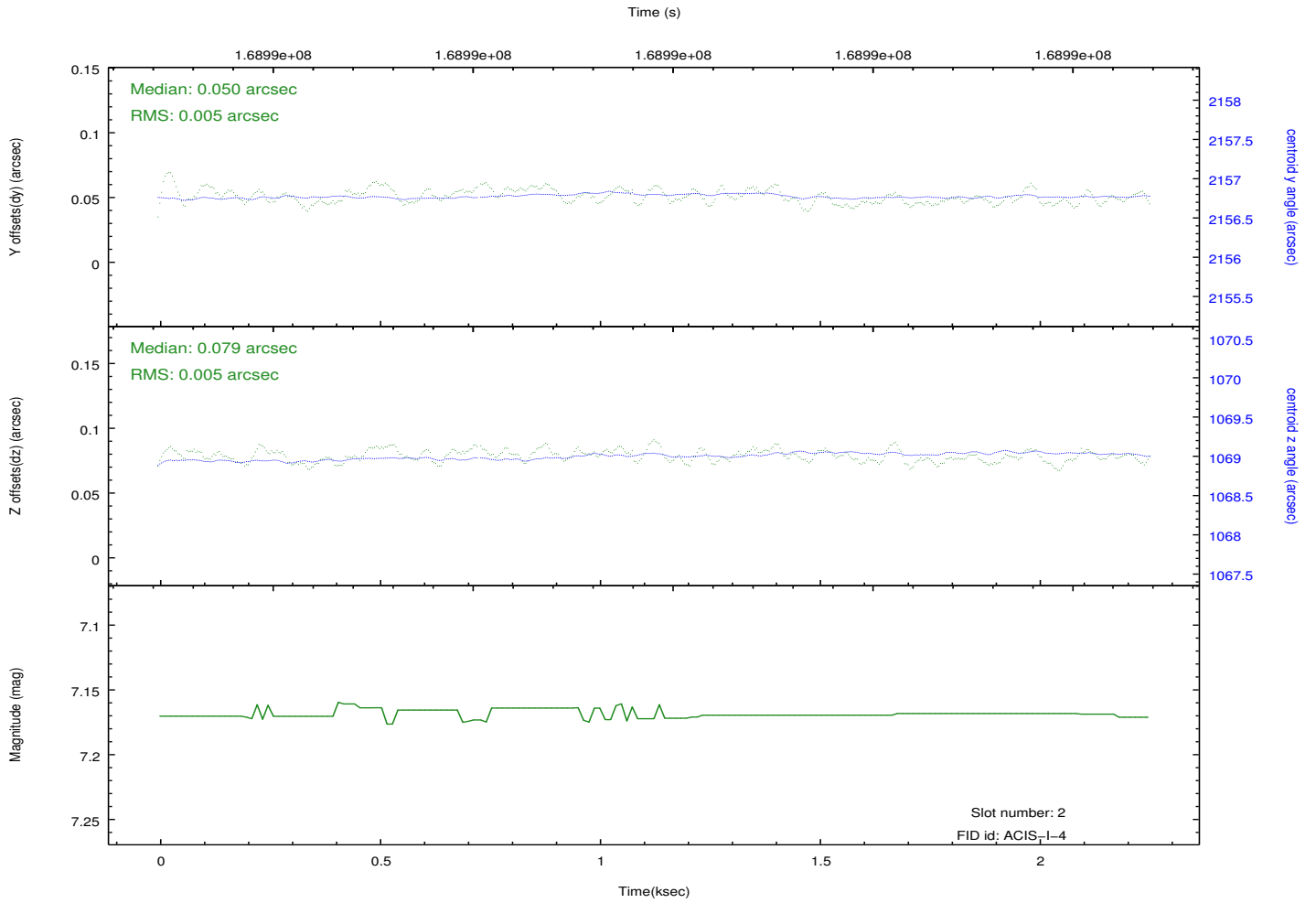
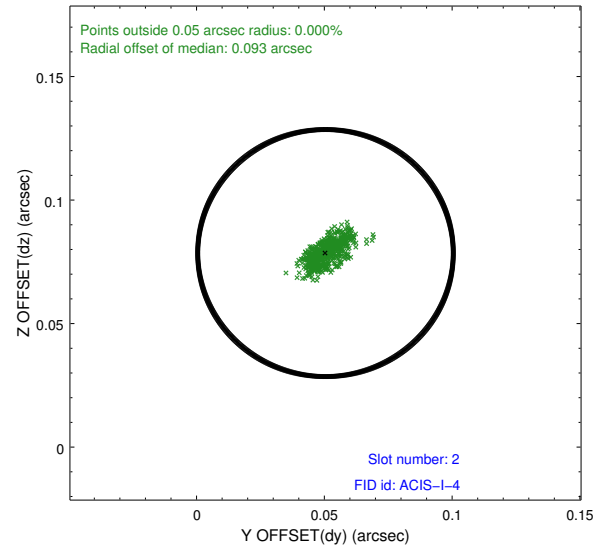
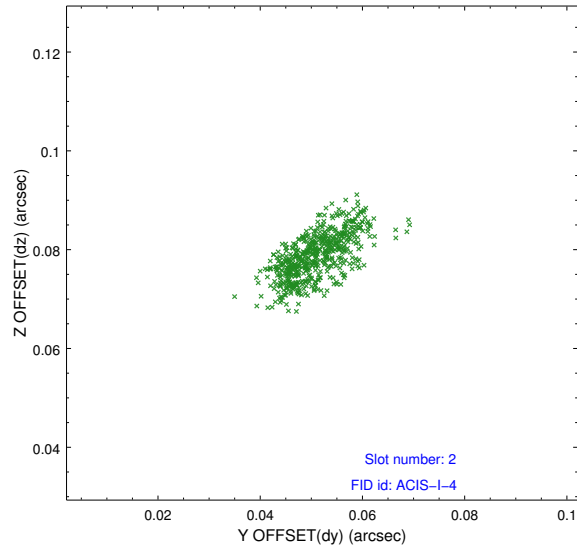
2.5.1 Slot 0



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)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.246

A.2 Comments