

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2901 - L2 Version 3
Chandra X-Ray Center

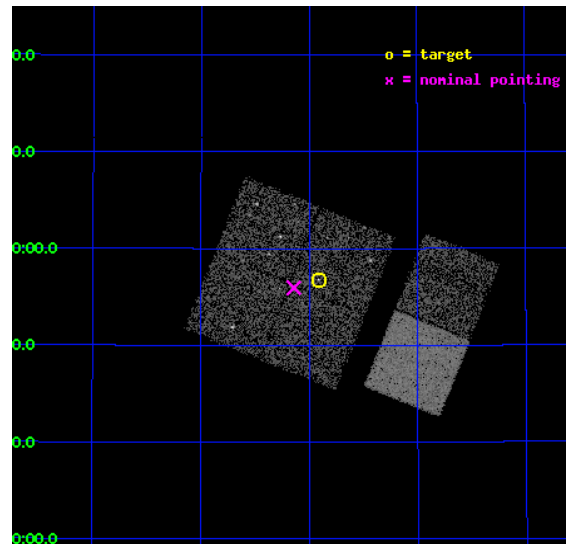
L2 Processing Date : Oct 11 2012

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1 Front

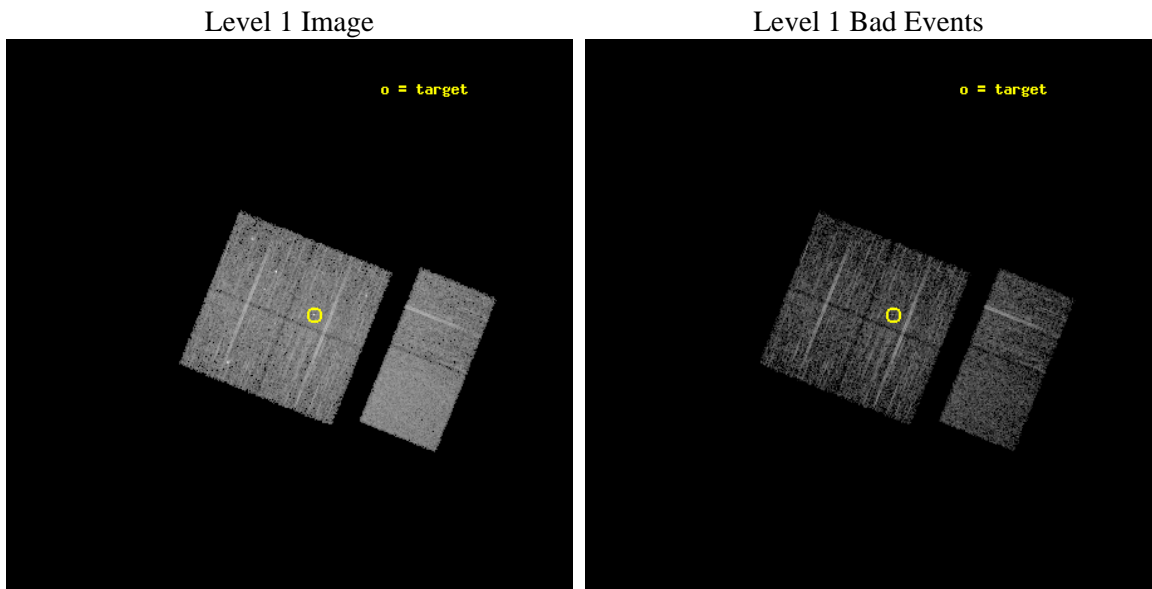
seq_num	600238	Sequence number
obs_id	2901	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-T6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.477792	Observer's specified target RA [deg]
dec_targ	40.946528	Observer's specified target Dec [deg]
ra_nom	10.535243970224	Nominal RA [deg]
dec_nom	40.932521424346	Nominal Dec [deg]
roll_nom	111.915051215	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4681.5999825597	Sum of GTIs [s]
livetime	4622.3187446594	Livetime [s]
ontime0	4681.5999825597	Sum of GTIs [s]
ontime1	4681.5999825597	Sum of GTIs [s]
ontime2	4681.5999825597	Sum of GTIs [s]
ontime3	4681.5999825597	Sum of GTIs [s]
ontime6	4681.5999825597	Sum of GTIs [s]
ontime7	4681.5999825597	Sum of GTIs [s]
l2events	36506	Number of level 2 events



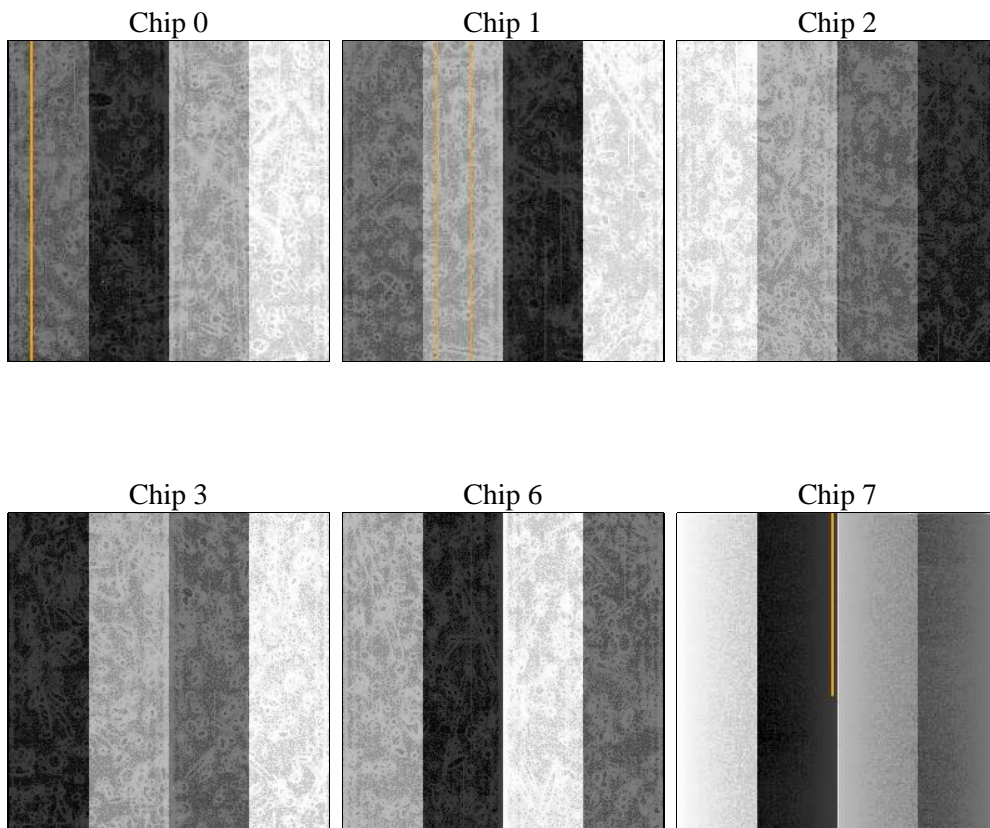
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4719.038000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4681.5999825597	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4681.5999825597	Sum of GTIs [s]
date	2012-10-11T12:24:44	Date and time of file creation	ontime1	4681.5999825597	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4681.5999825597	Sum of GTIs [s]
			ontime3	4681.5999825597	Sum of GTIs [s]
			ontime6	4681.5999825597	Sum of GTIs [s]
			ontime7	4681.5999825597	Sum of GTIs [s]
			l1events	197391	Number of level 1 events

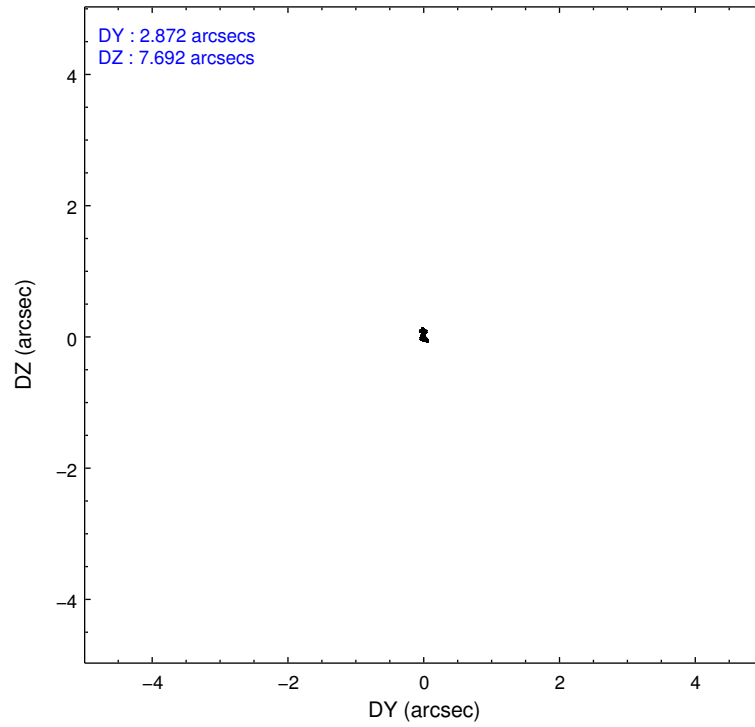
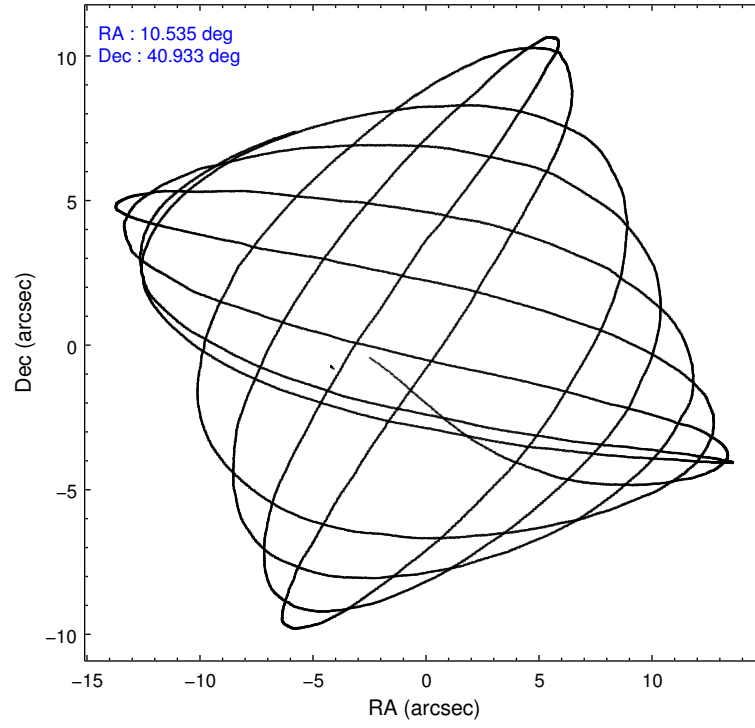
2.1.4 Events

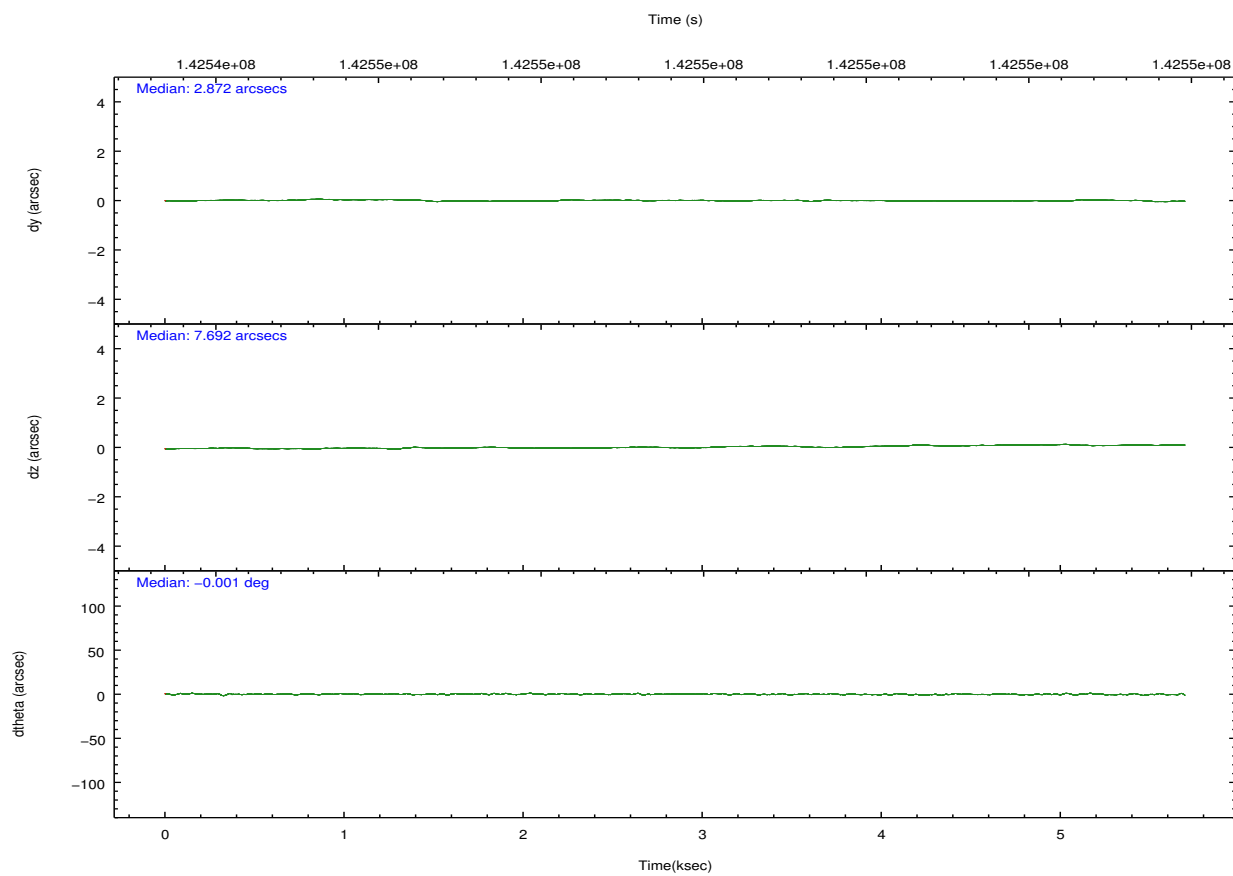
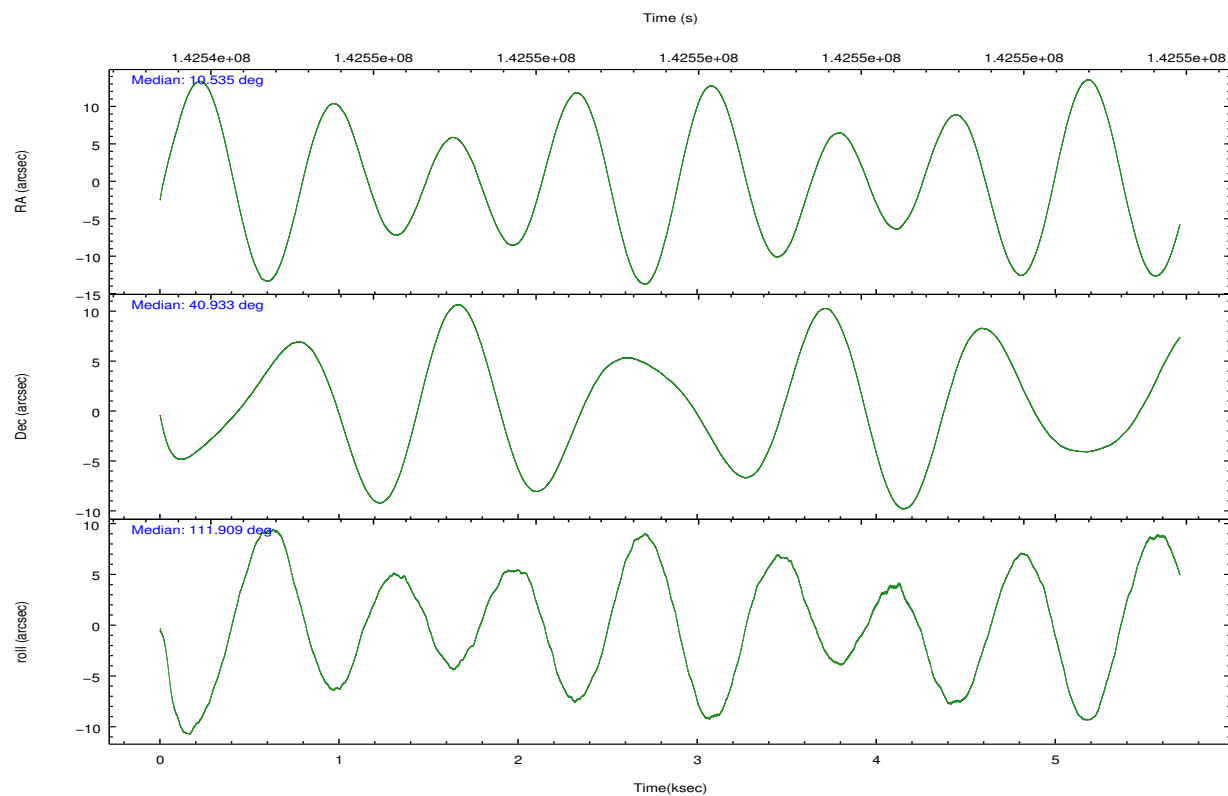
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	30246	31196	32617	32085	31062	40185	grade 0 events	2739	2195	2376	1670	1564	1660
rejected events	24912	26404	27841	28286	27185	23028		9%	7%	7%	5%	5%	4%
rejected %	82%	84%	85%	88%	87%	57%	grade 1 events	35	16	42	15	15	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	1083	944	988	806	828	3296
								3%	3%	3%	2%	2%	8%
							grade 3 events	396	408	377	341	375	1532
								1%	1%	1%	1%	1%	3%
							grade 4 events	372	424	395	332	371	1593
								1%	1%	1%	1%	1%	3%
							grade 5 events	1099	1266	1078	1187	1325	3784
								3%	4%	3%	3%	4%	9%
							grade 6 events	746	828	640	656	742	9087
								2%	2%	1%	2%	2%	22%
							grade 7 events	23776	25115	26721	27078	25842	19196
								78%	80%	81%	84%	83%	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	10.563844	10.53524397022418	Subarray requested	NONE	NONE
[deg] Pointing Dec	40.915733	40.93252142434649	Alternating exposures requested	N	N
[deg] Pointing Roll	111.687627	111.9150512150017	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	142473664.184000	142473664.184000			
[s] Window stop time (MET)	143078464.184000	143078464.184000			
[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)	142545953.184000	142544604.72419			
Observation start date	2002-07-08T20:04:49	2002-07-08T19:43:24			
[s] Observation end time (MET)	142550672.184000	142550987.39945			
Observation end date	2002-07-08T21:23:28	2002-07-08T21:29:47			
Read mode	TIMED	TIMED			

2.3 Aspect



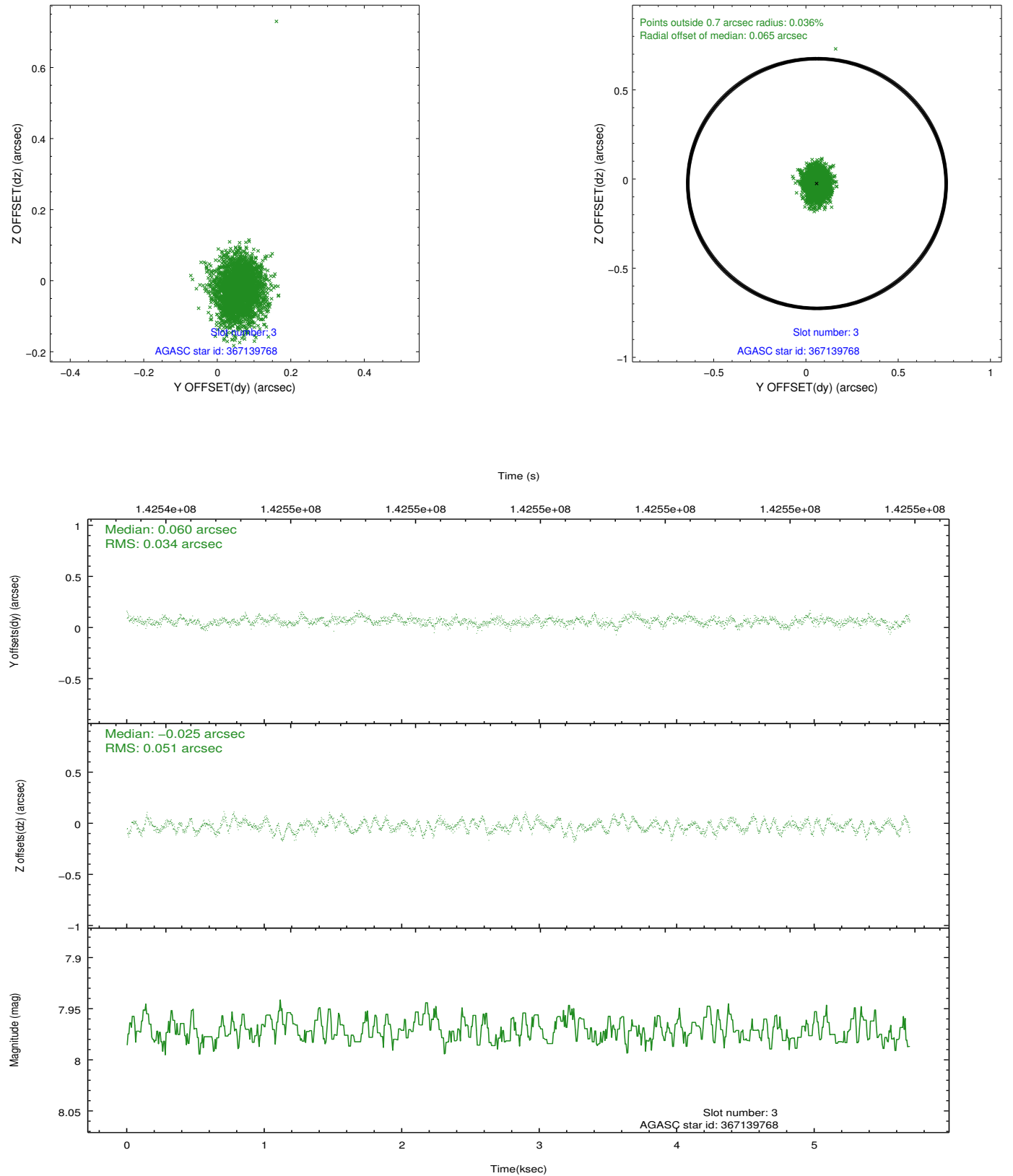


Slot Statistics

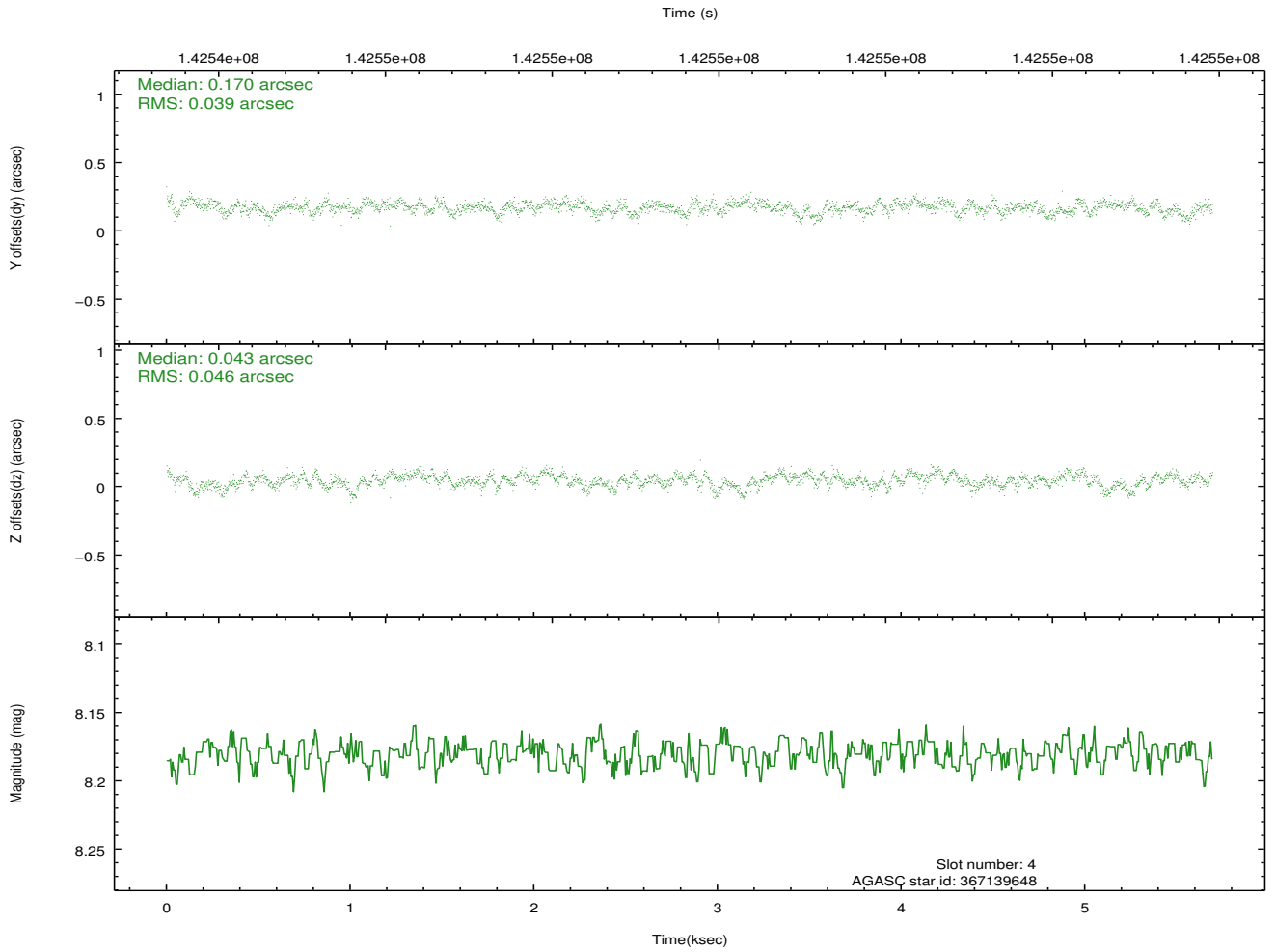
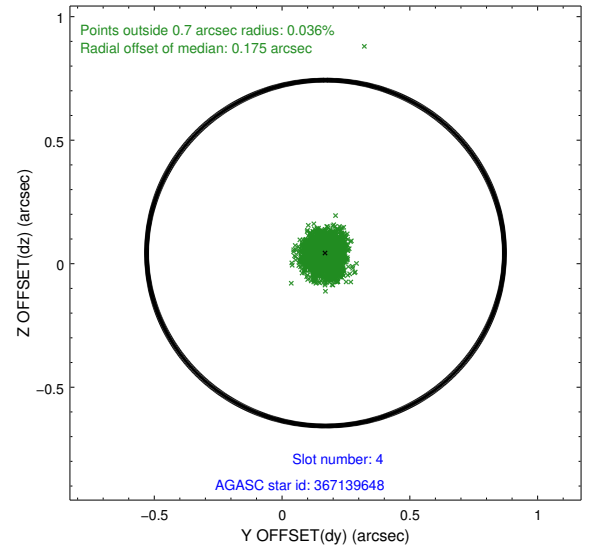
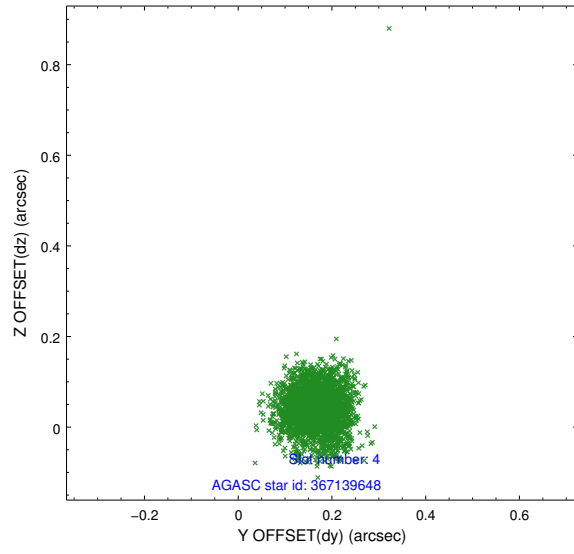
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1390	-0.001	0.035	0.007	0.013	0.000000	0.000000	936.91	-831.10
1	FID	ACIS-I-5	7.23	1390	-0.066	0.050	0.007	0.011	0.000000	0.000000	-1810.65	1065.92
2	FID	ACIS-I-6	7.26	1390	-0.023	-0.015	0.007	0.013	0.000000	0.000000	401.33	1711.52
3	GUIDE	367139768	7.97	2779	0.060	-0.025	0.063	0.104	11.069715	40.685175	-1278.44	-978.57
4	GUIDE	367139648	8.18	2779	0.170	0.043	0.063	0.103	11.021290	40.433909	-2072.95	-526.01
5	GUIDE	367674552	8.87	2778	-0.225	0.117	0.088	0.136	11.016238	41.570845	1742.73	-2005.29
6	GUIDE	367657896	9.01	2779	-0.182	0.121	0.073	0.119	11.197765	41.313576	703.23	-2125.32
7	GUIDE	367145856	9.28	2776	0.176	-0.256	0.073	0.116	10.744946	40.402085	-1901.49	220.20

2.4 Star Slots

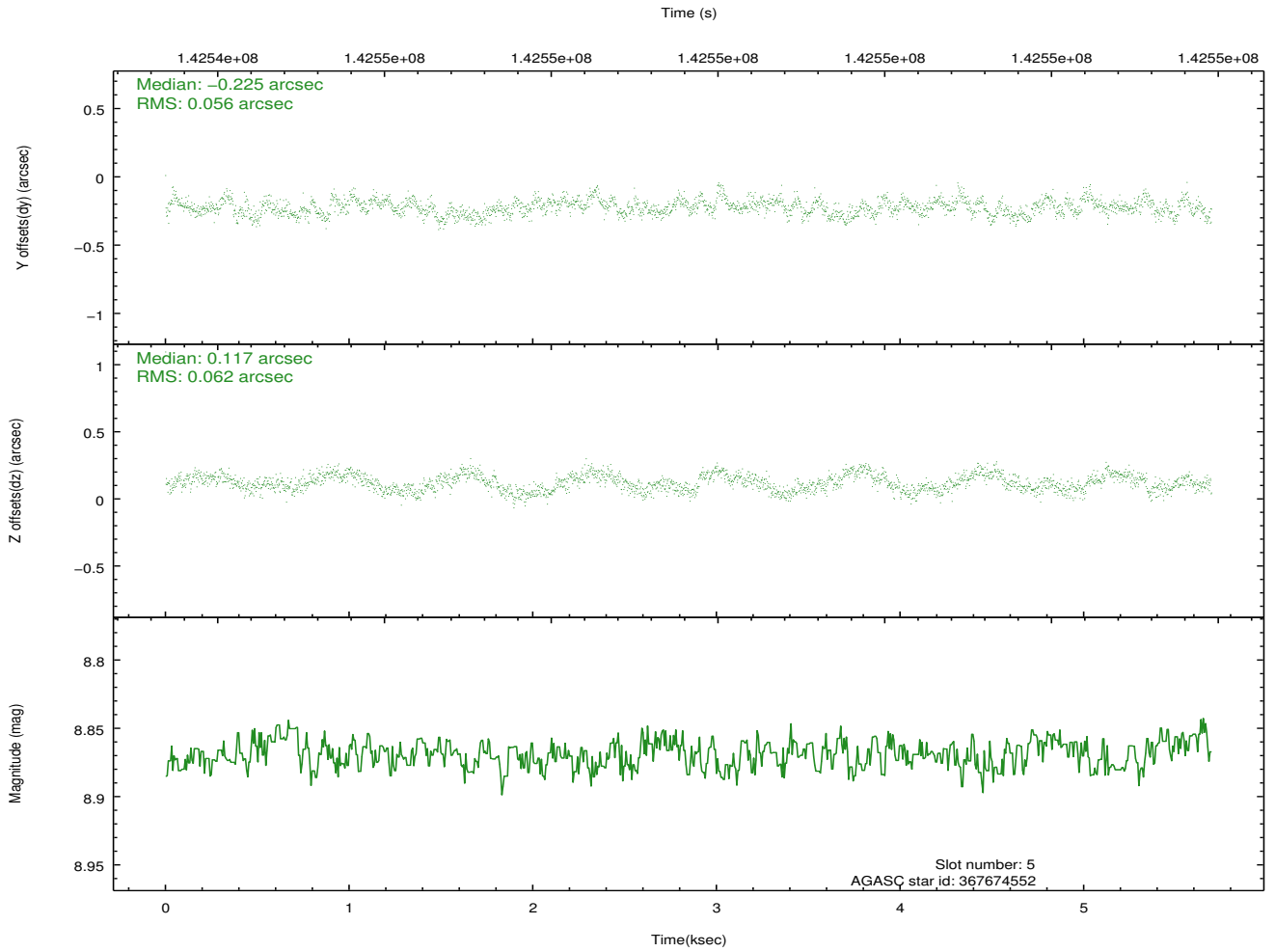
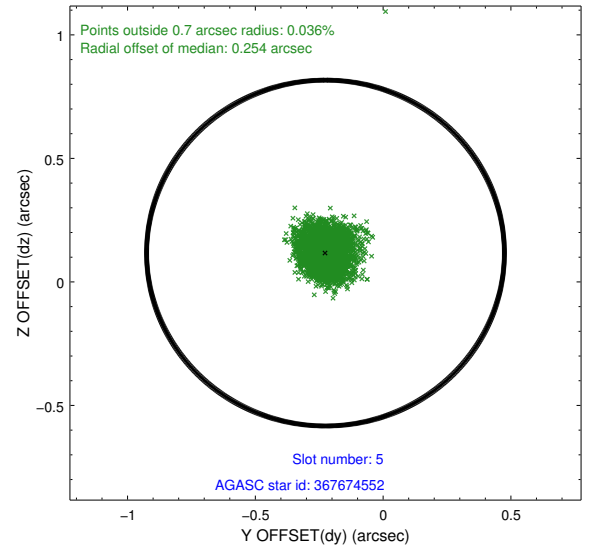
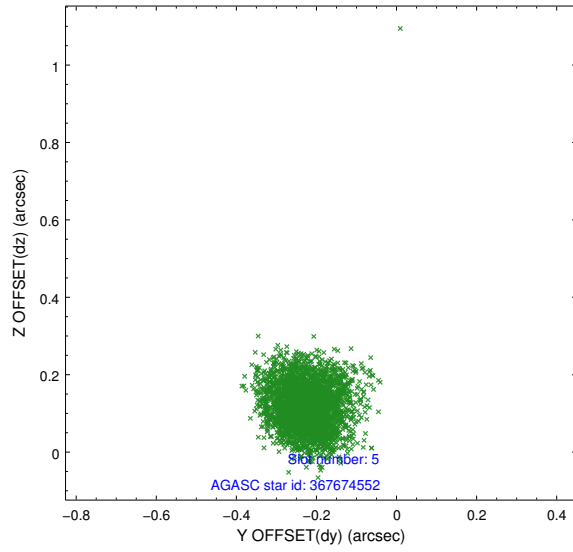
2.4.1 Slot 3



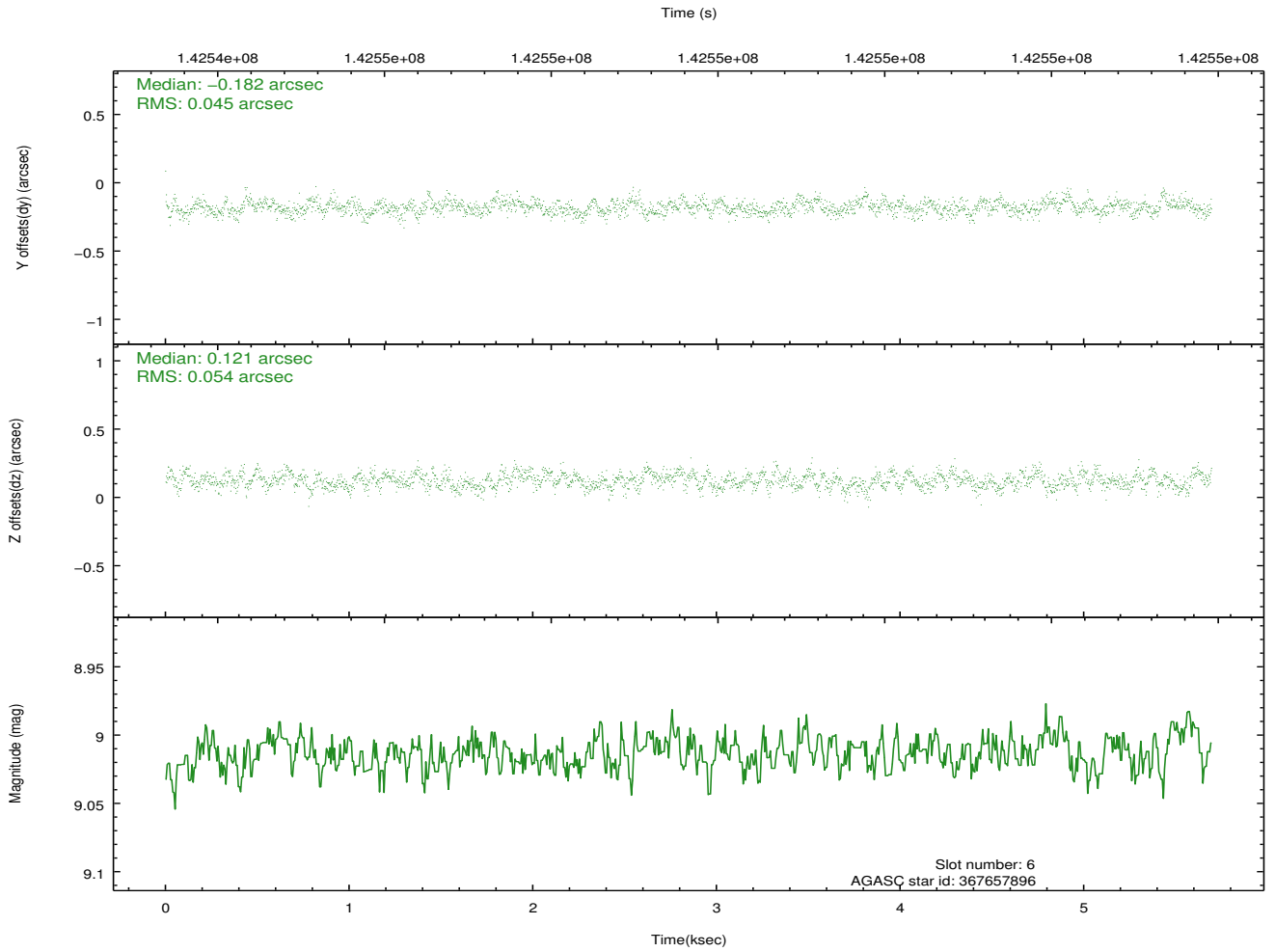
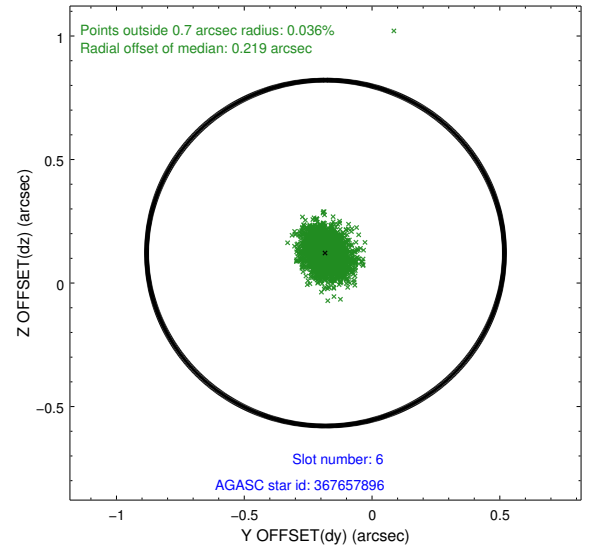
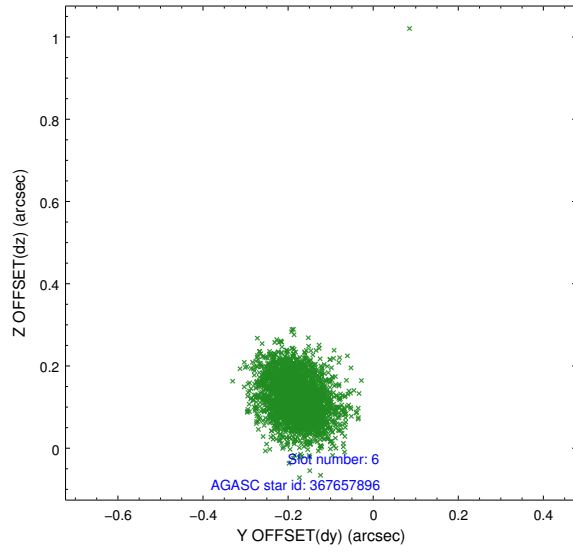
2.4.2 Slot 4



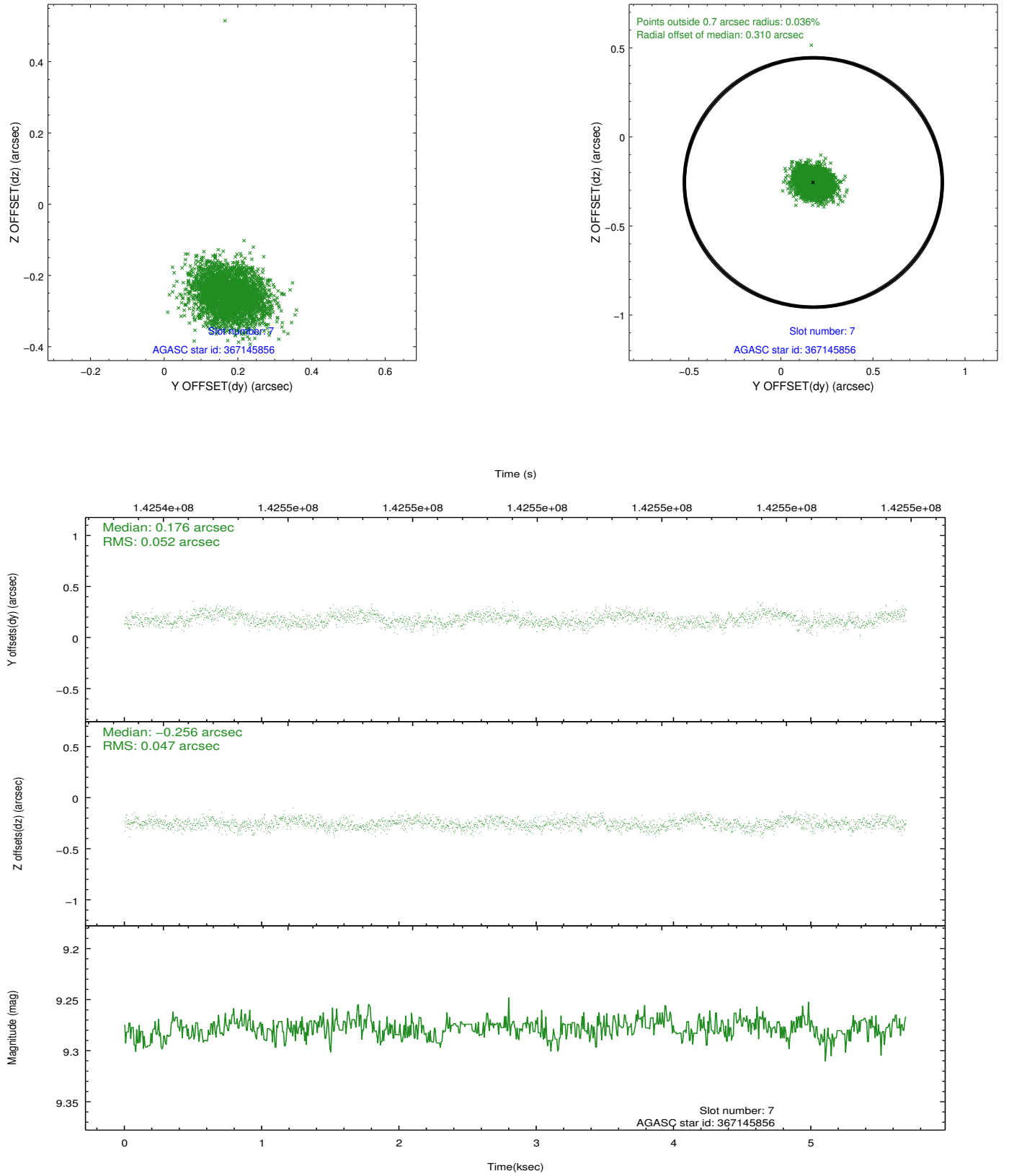
2.4.3 Slot 5



2.4.4 Slot 6

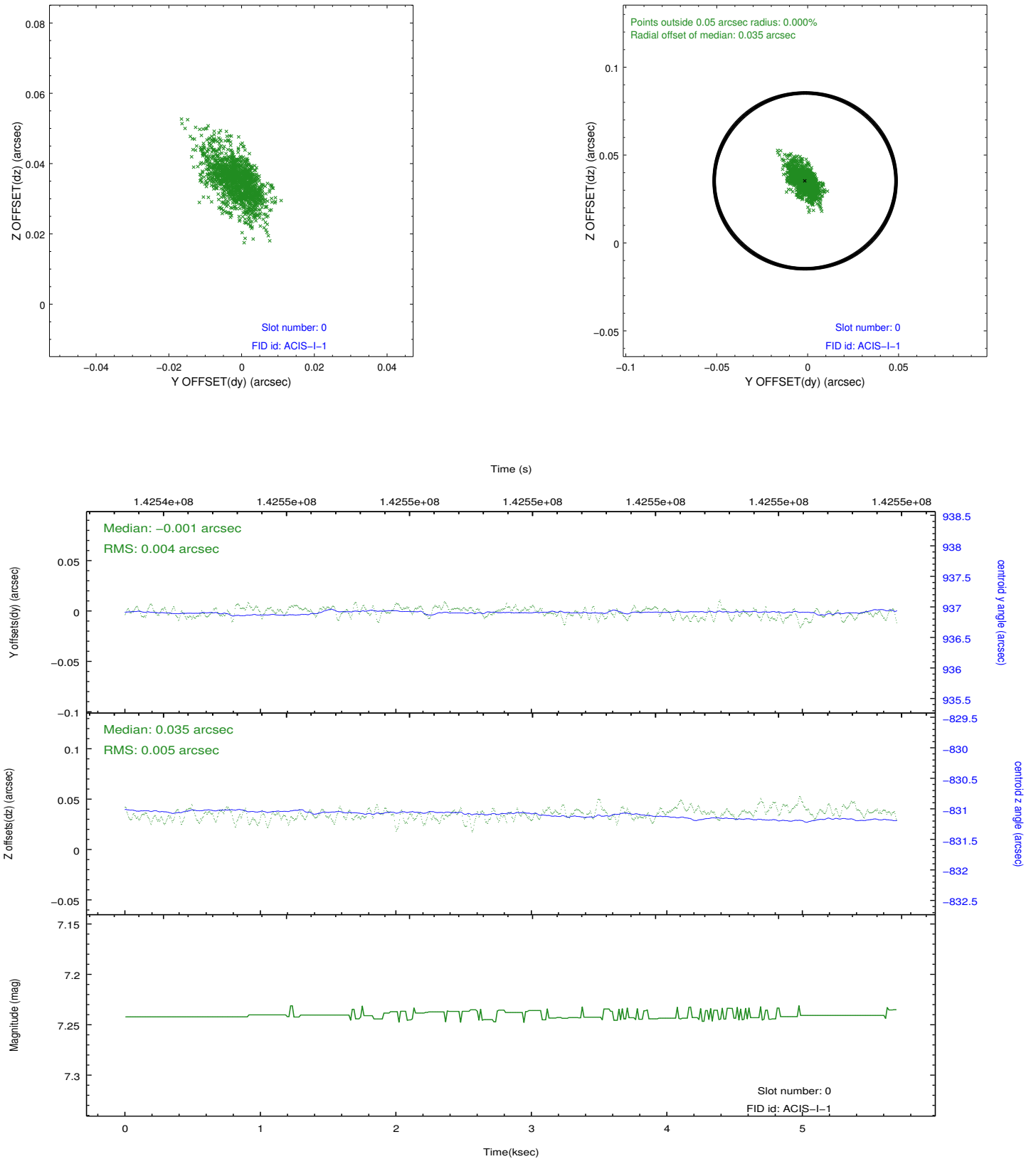


2.4.5 Slot 7

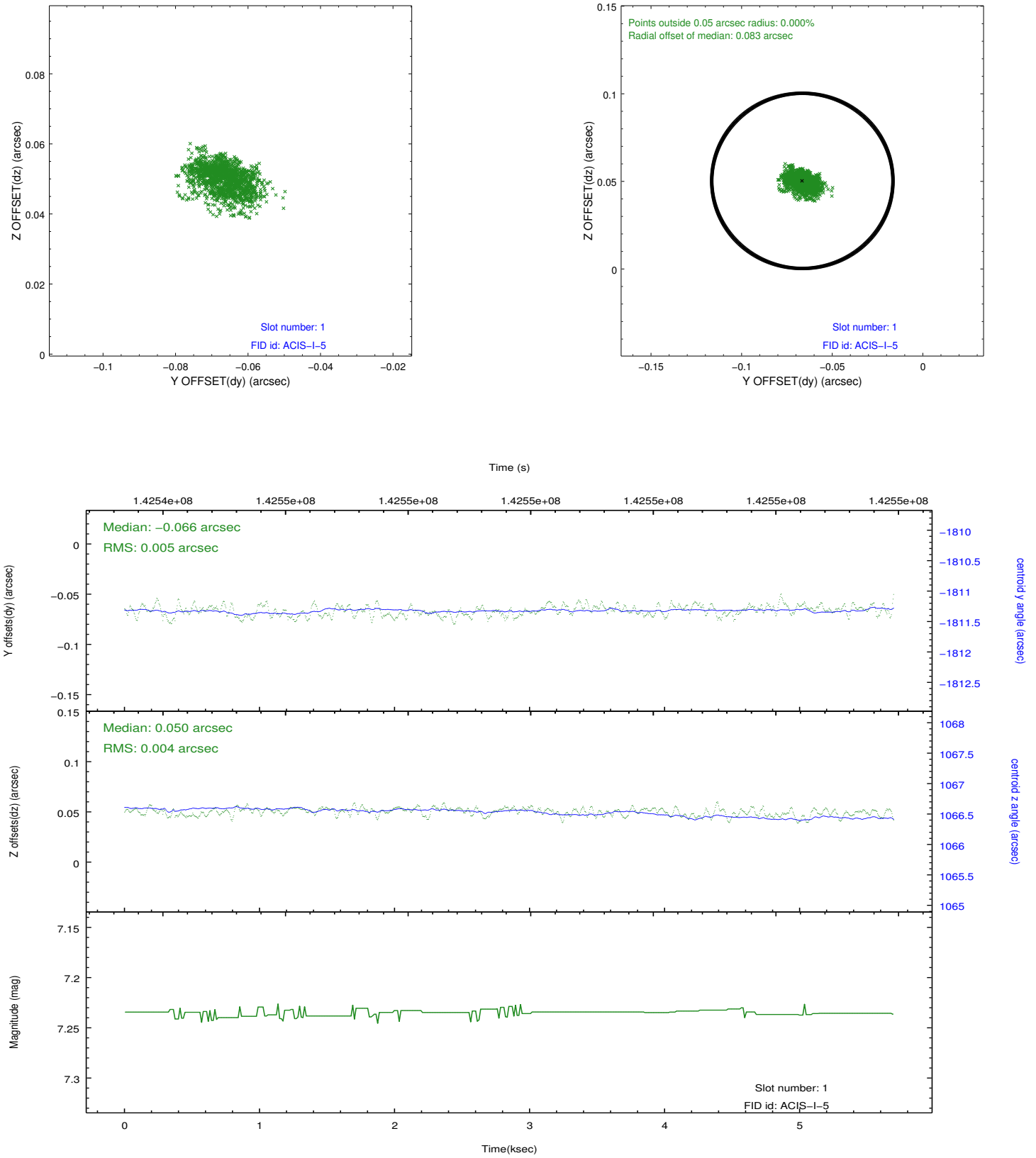


2.5 FID Slots

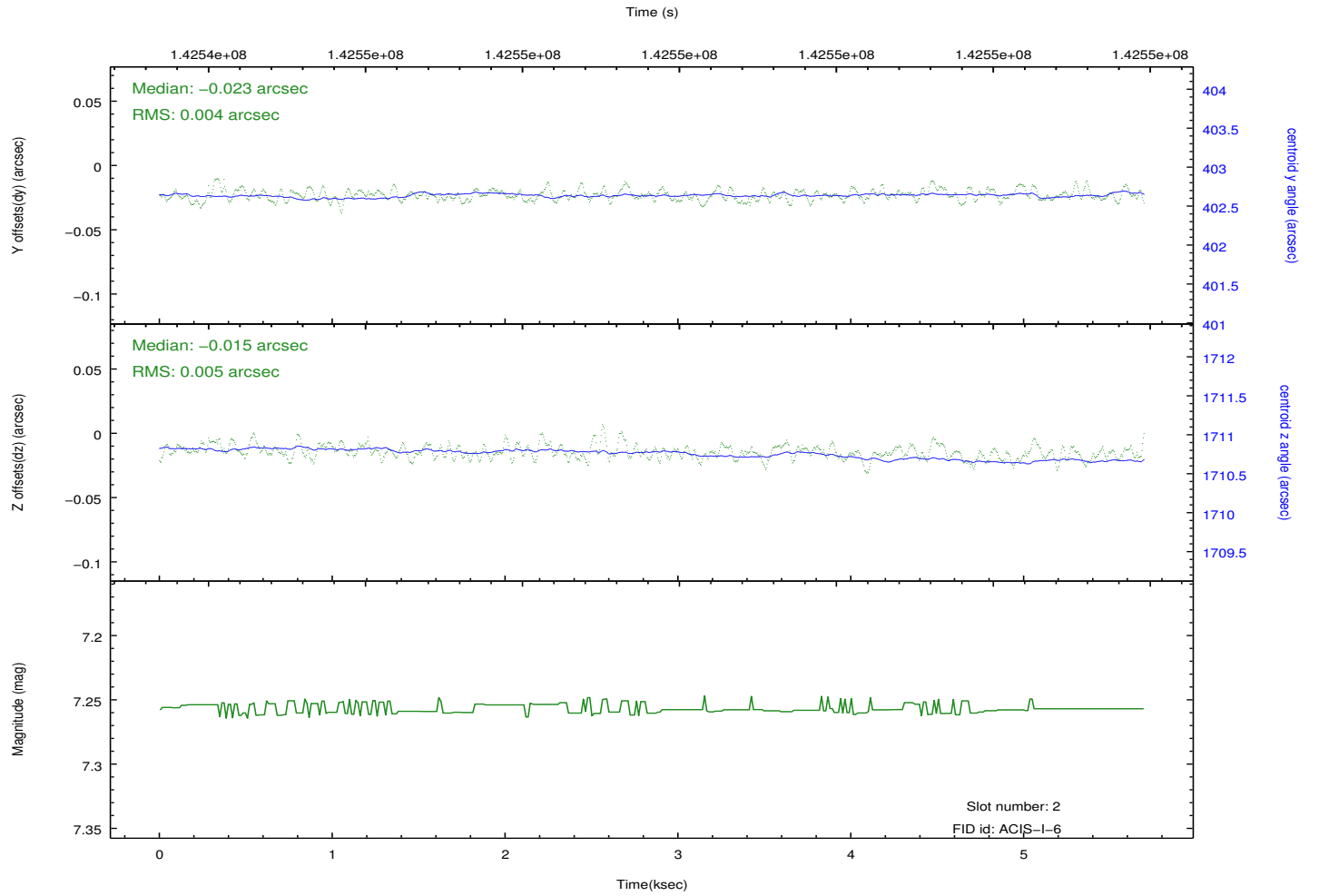
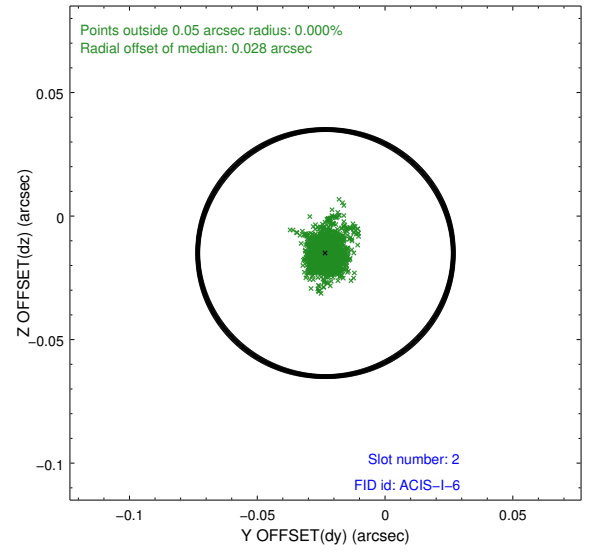
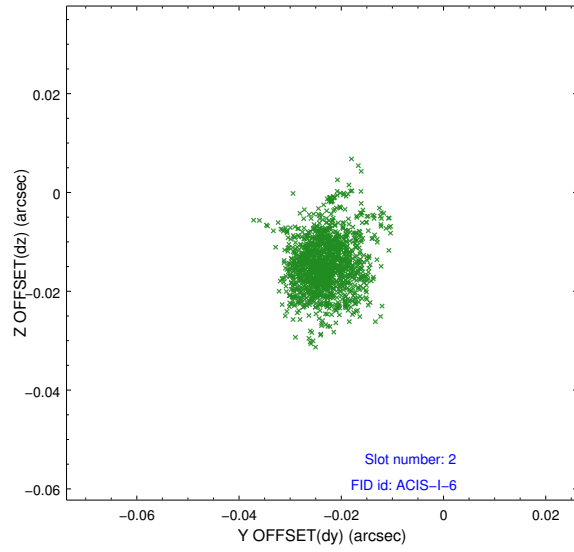
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.684

A.2 Comments

Window constraint satisfied.