

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2263 - L2 Version 3
Chandra X-Ray Center

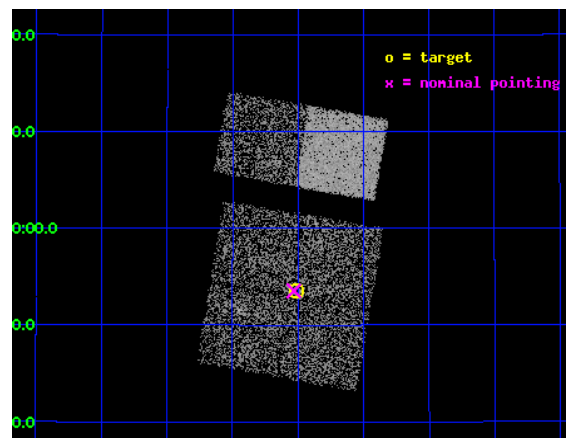
L2 Processing Date : Sep 29 2012

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1 Front

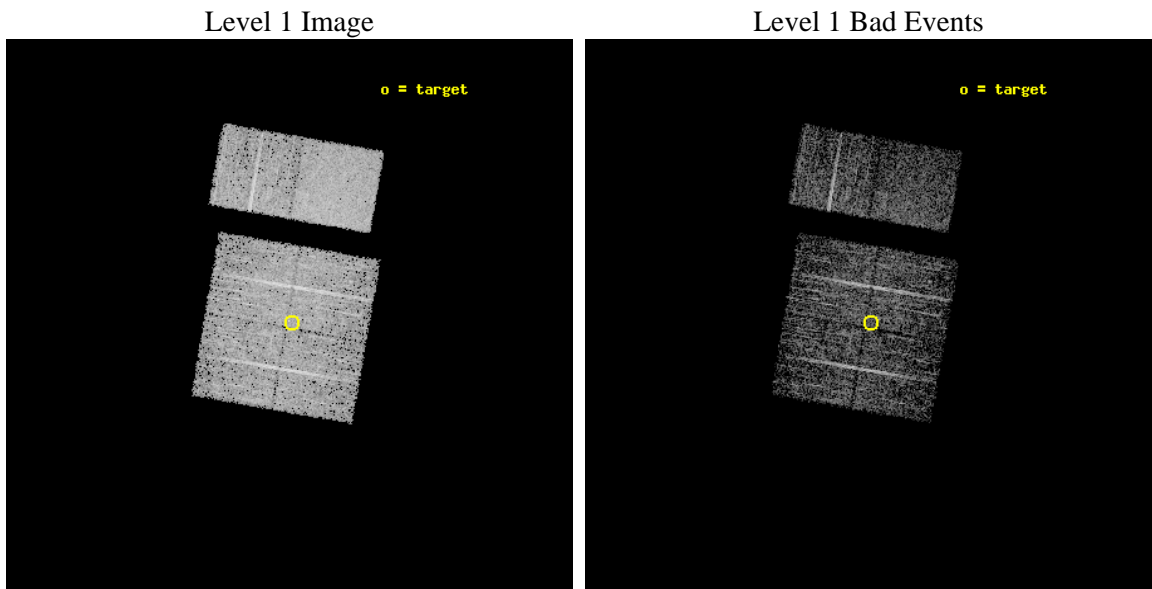
seq_num	900090	Sequence number
obs_id	2263	Observation id
title	CHANDRA OBSERVATION OF HARD X-RAY SOURCES DISCOVERED WITH ASCA	Pro
observer	Dr Yoshihiro Ueda	Principal investigator
object	AGX~J170730+2353	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.877917	Observer's specified target RA [deg]
dec_targ	23.8935	Observer's specified target Dec [deg]
ra_nom	256.88282388342	Nominal RA [deg]
dec_nom	23.892334868584	Nominal Dec [deg]
roll_nom	9.8730808565127	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3462.4000032097	Sum of GTIs [s]
livetime	3418.5570095621	Livetime [s]
ontime0	3462.4000032097	Sum of GTIs [s]
ontime1	3462.4000032097	Sum of GTIs [s]
ontime2	3462.4000032097	Sum of GTIs [s]
ontime3	3462.4000032097	Sum of GTIs [s]
ontime6	3462.4000032097	Sum of GTIs [s]
ontime7	3462.4000032097	Sum of GTIs [s]
l2events	24877	Number of level 2 events



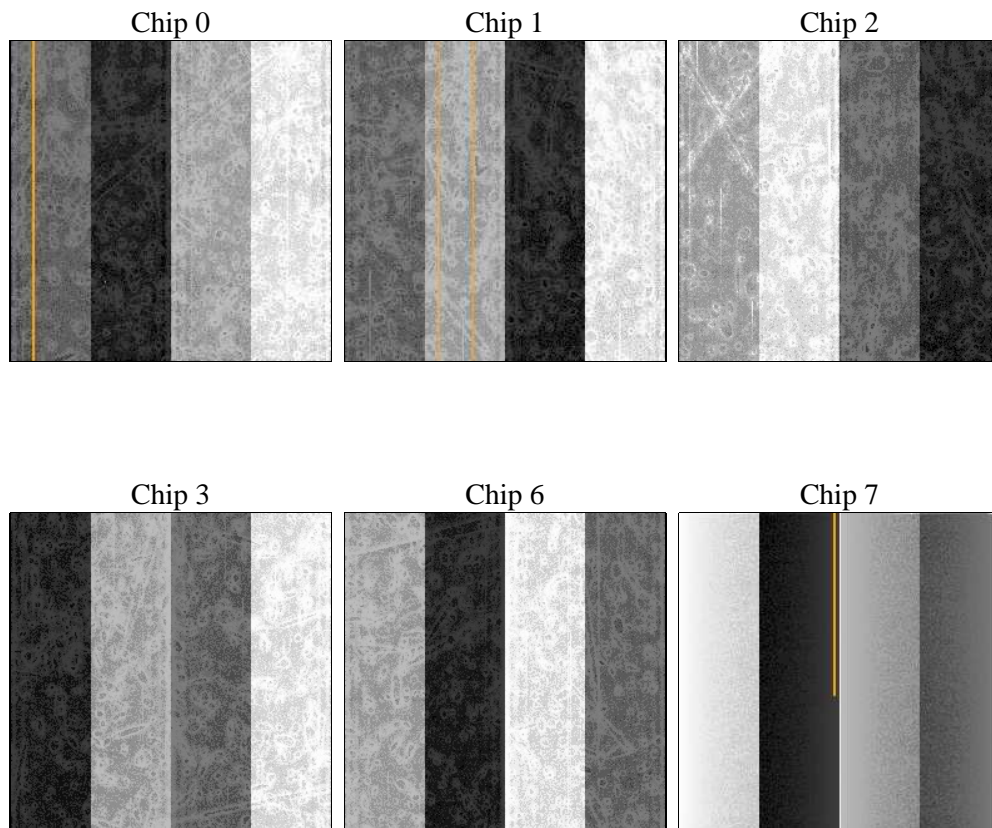
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3462.4000032097	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	3462.4000032097	Sum of GTIs [s]
date	2012-09-29T02:20:20	Date and time of file creation	ontime1	3462.4000032097	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3462.4000032097	Sum of GTIs [s]
			ontime3	3462.4000032097	Sum of GTIs [s]
			ontime6	3462.4000032097	Sum of GTIs [s]
			ontime7	3462.4000032097	Sum of GTIs [s]
			l1events	139414	Number of level 1 events

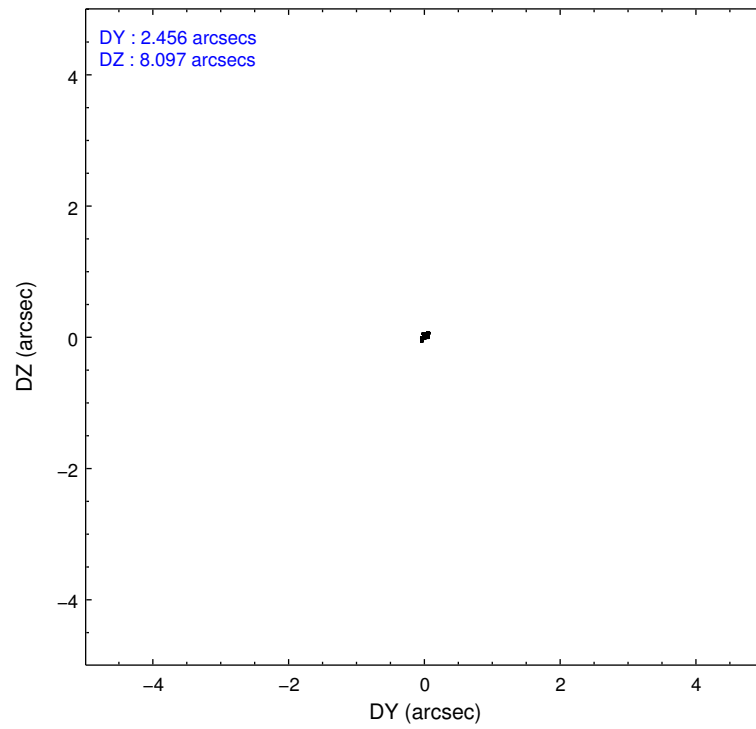
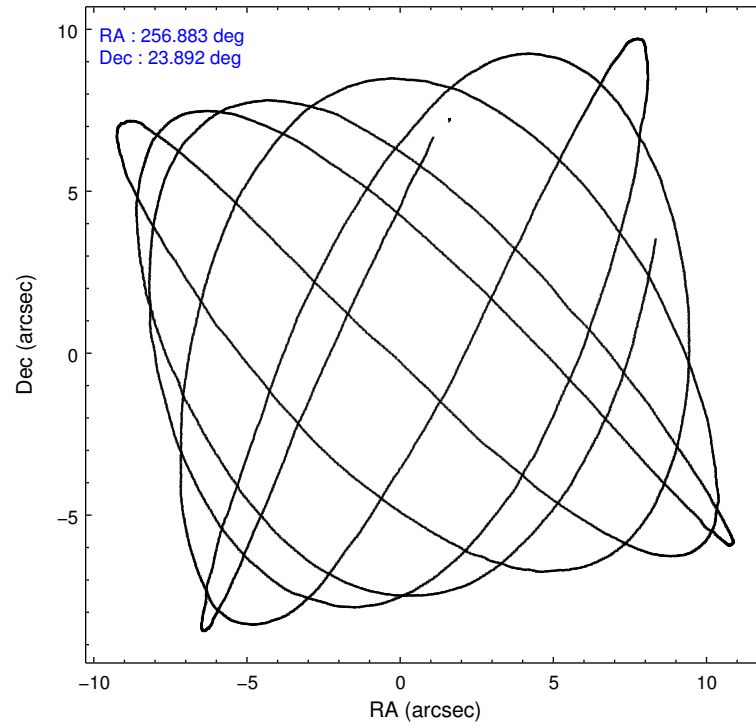
2.1.4 Events

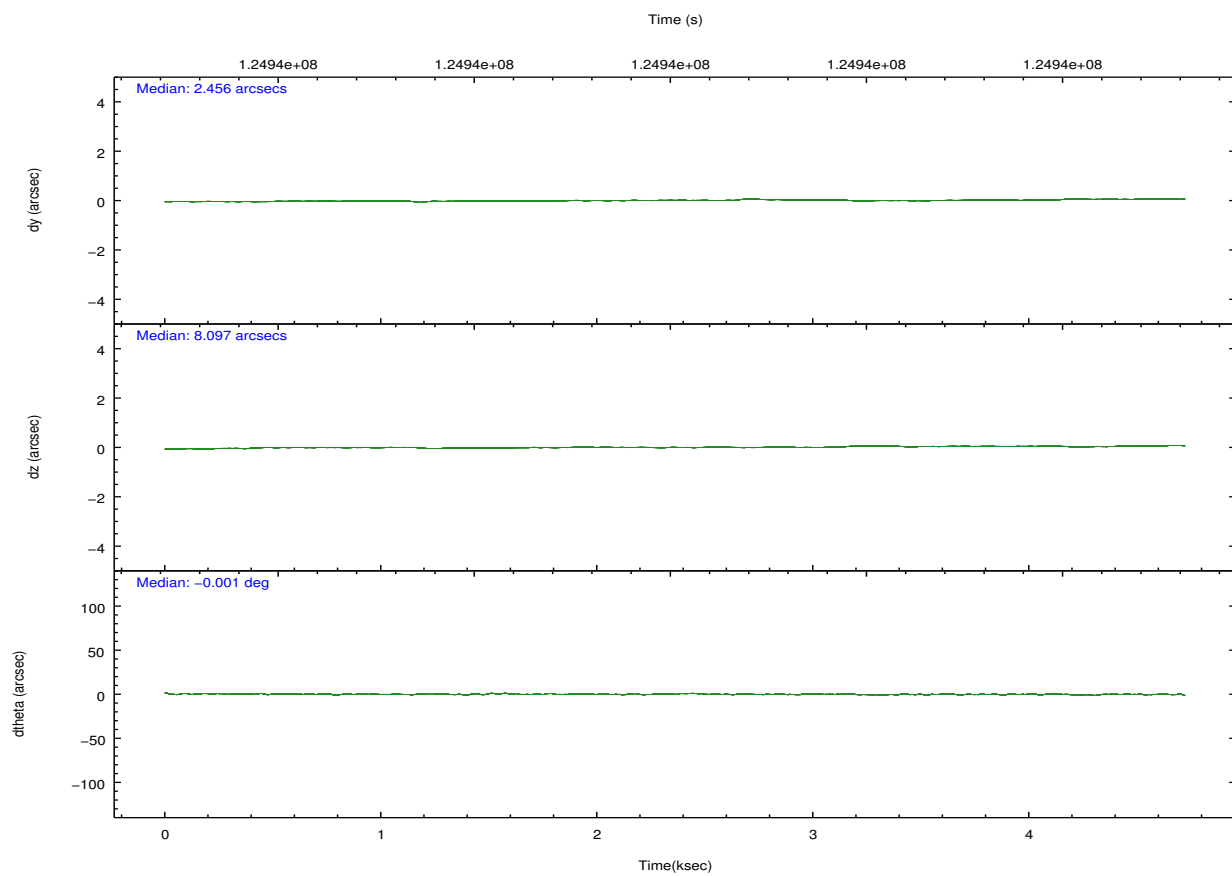
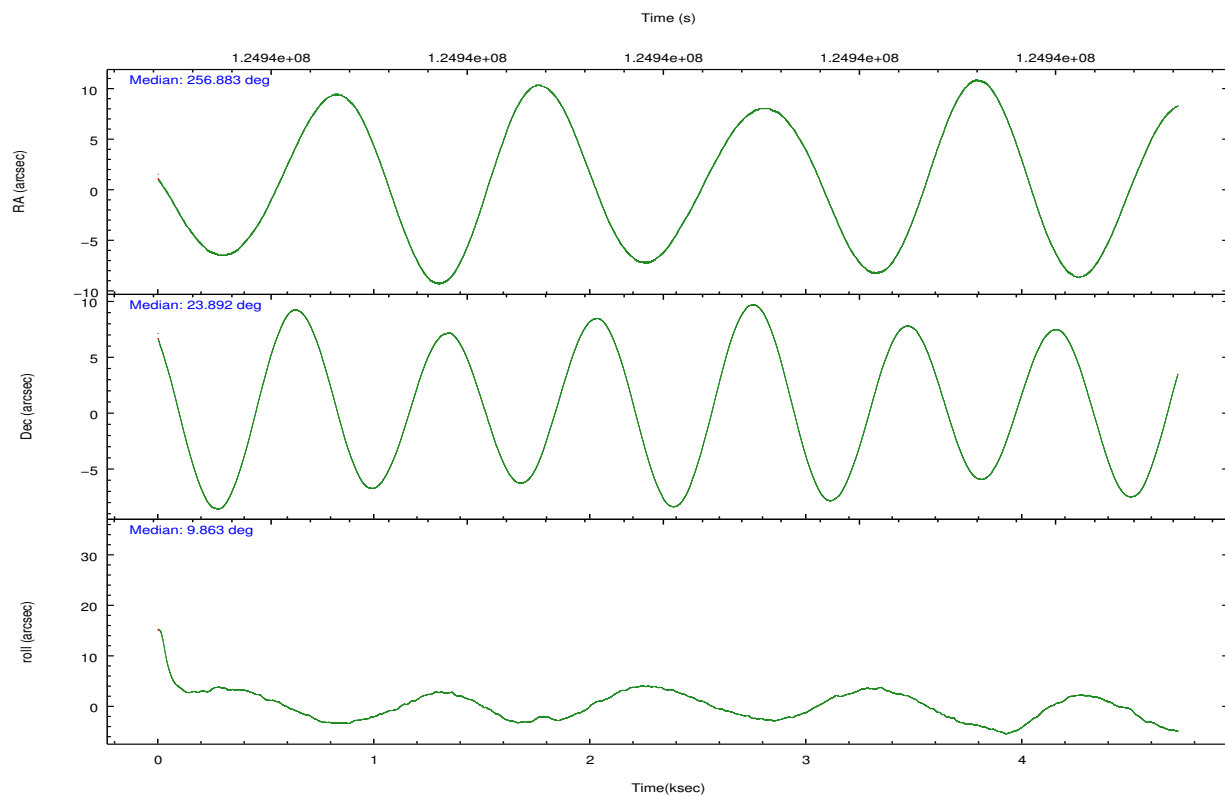
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	21444	20199	23103	23005	22783	28880	grade 0 events	1322	1288	1344	1322	1289	1185
rejected events	18374	17091	20094	19968	19748	16759		6%	6%	5%	5%	5%	4%
rejected %	85%	84%	86%	86%	86%	58%	grade 1 events	12	12	10	17	13	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	702	651	660	634	632	2386
								3%	3%	2%	2%	2%	8%
							grade 3 events	234	283	230	248	255	1128
								1%	1%	0%	1%	1%	3%
							grade 4 events	285	308	244	261	283	1064
								1%	1%	1%	1%	1%	3%
							grade 5 events	850	822	768	867	890	2771
								3%	4%	3%	3%	3%	9%
							grade 6 events	528	581	535	572	578	6366
								2%	2%	2%	2%	2%	22%
							grade 7 events	17511	16254	19312	19084	18843	13945
								81%	80%	83%	82%	82%	48%

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	256.859953	256.8828238834154	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.874808	23.89233486858384	Alternating exposures requested	N	N
[deg] Pointing Roll	9.673646	9.87308085651269	[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)	124938886.184000	124937413.84749			
Observation start date	2001-12-17T01:13:42	2001-12-17T00:50:13			
[s] Observation end time (MET)	124942386.184000	124943085.68521			
Observation end date	2001-12-17T02:12:02	2001-12-17T02:24:45			
Read mode	TIMED	TIMED			

2.3 Aspect



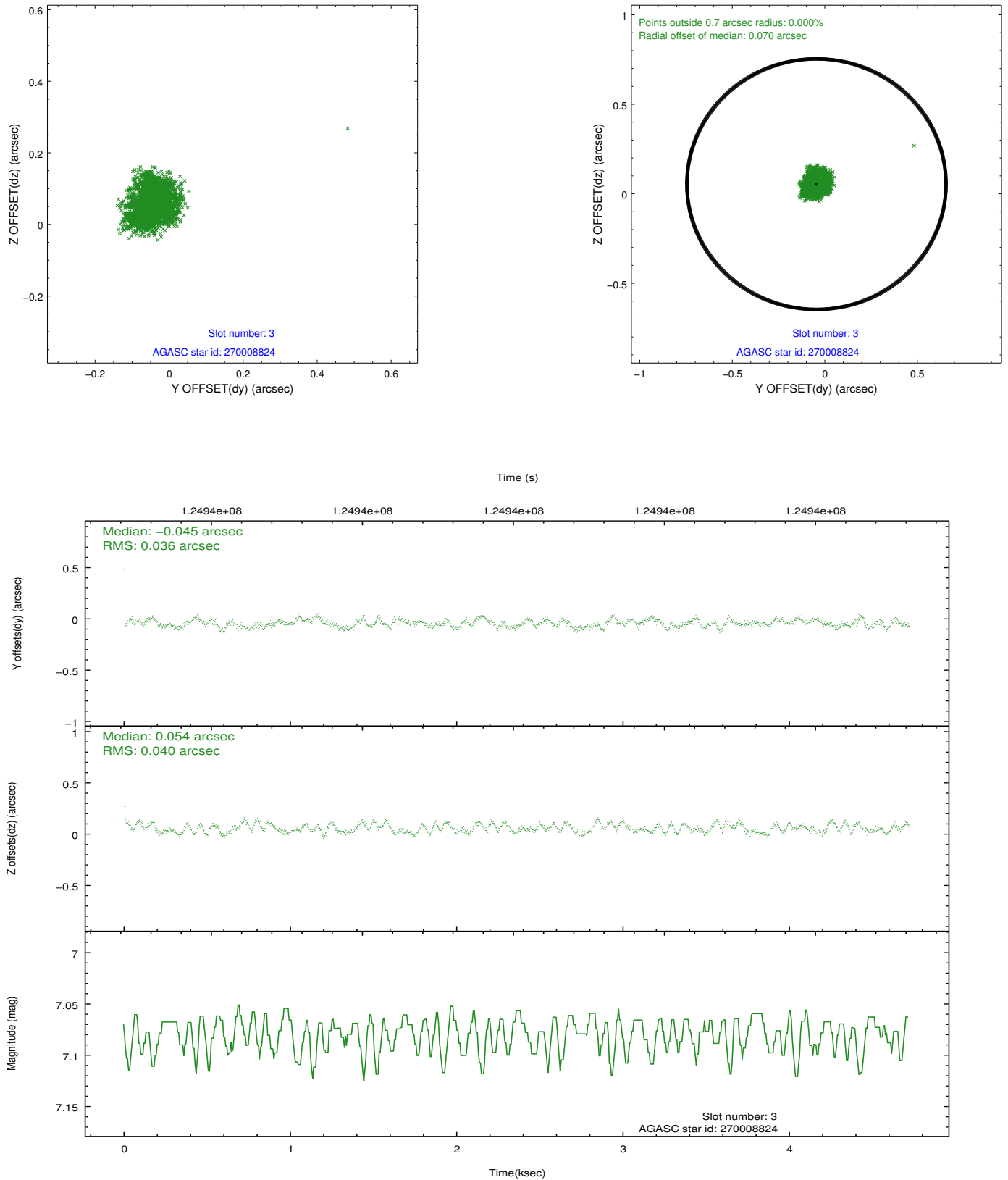


Slot Statistics

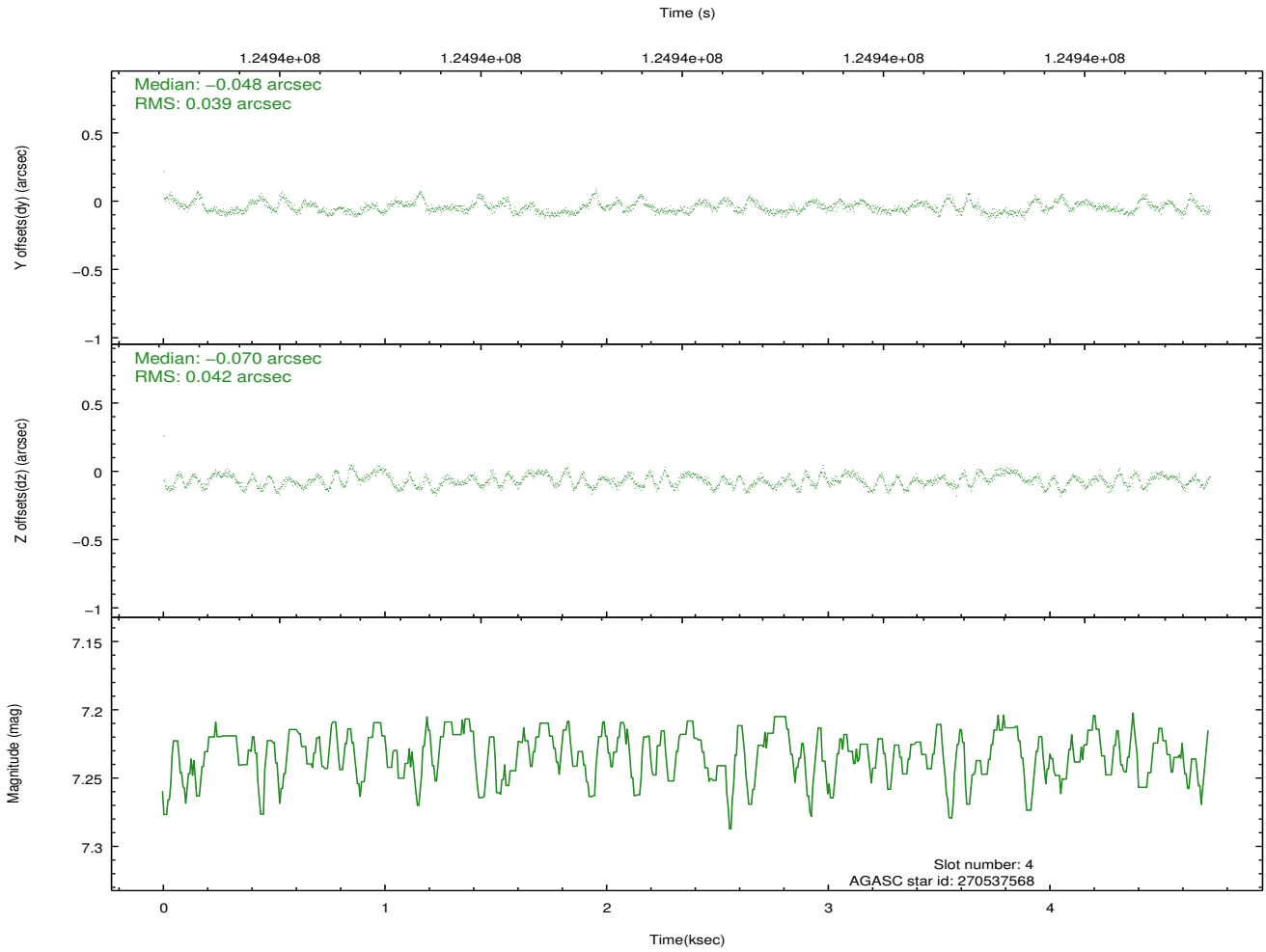
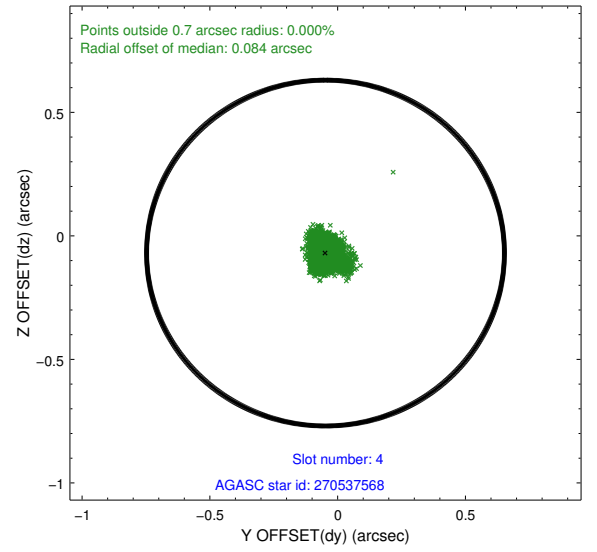
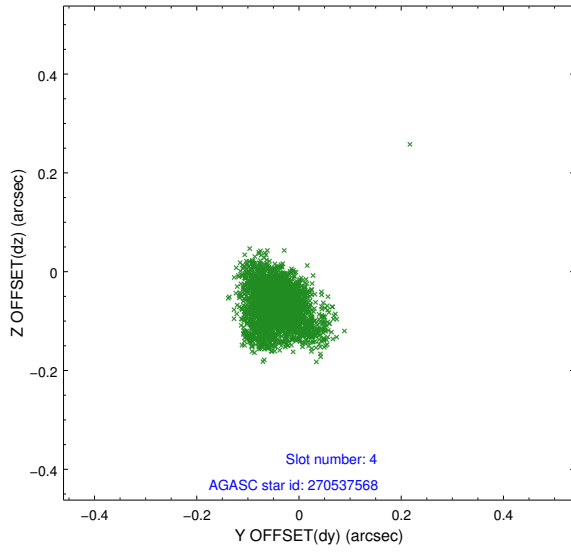
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1152	-0.038	0.073	0.006	0.010	0.000000	0.000000	937.30	-831.46
1	FID	ACIS-I-5	7.23	1152	-0.015	0.033	0.006	0.010	0.000000	0.000000	-1810.03	1065.37
2	FID	ACIS-I-6	7.26	1151	-0.038	-0.036	0.007	0.011	0.000000	0.000000	401.47	1711.25
3	GUIDE	270008824	7.08	2304	-0.045	0.054	0.058	0.085	256.514301	23.322063	-1459.68	-1768.60
4	GUIDE	270537568	7.23	2304	-0.048	-0.070	0.061	0.097	257.139787	24.486485	1273.66	2016.71
5	GUIDE	270017888	8.10	2303	0.059	0.159	0.053	0.087	257.407344	23.577924	1602.95	-1352.47
6	GUIDE	270142760	8.29	2304	-0.106	-0.052	0.046	0.075	257.544563	24.037060	2319.17	202.55
7	GUIDE	270011000	9.35	2299	0.141	-0.093	0.086	0.136	256.249177	24.250349	-1746.84	1673.44

2.4 Star Slots

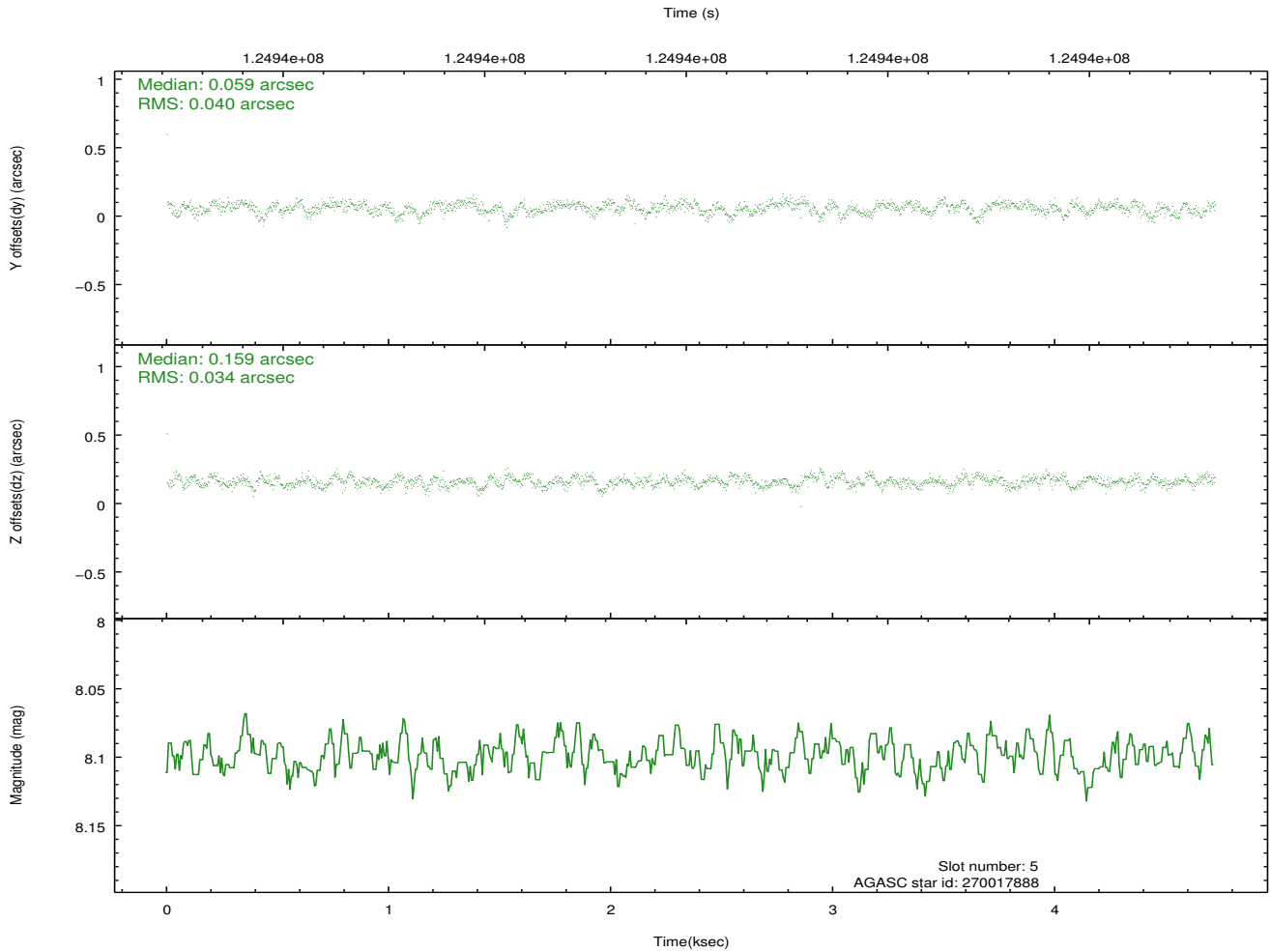
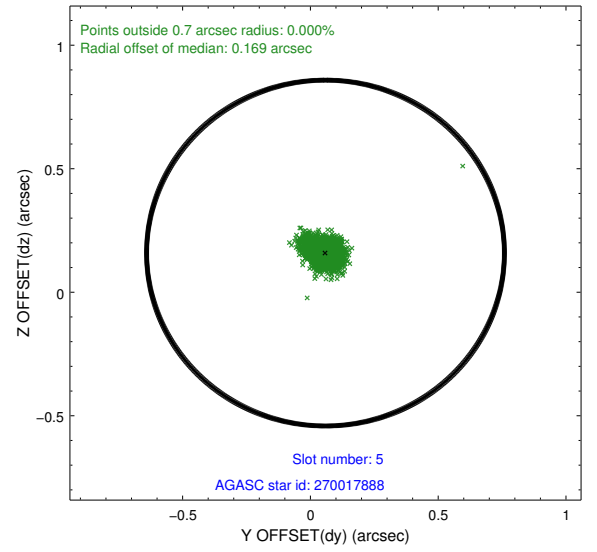
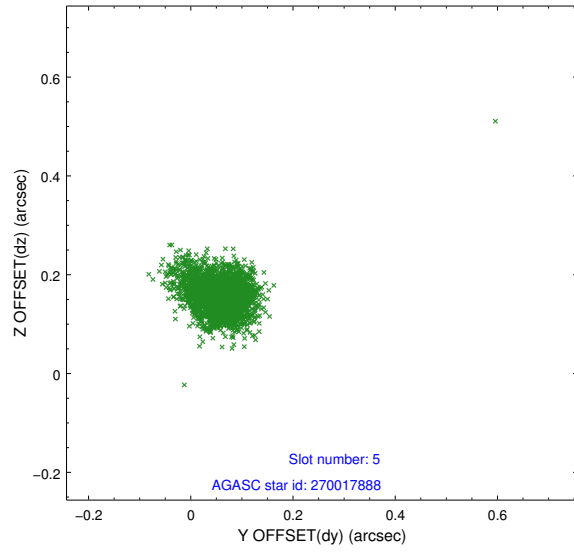
2.4.1 Slot 3



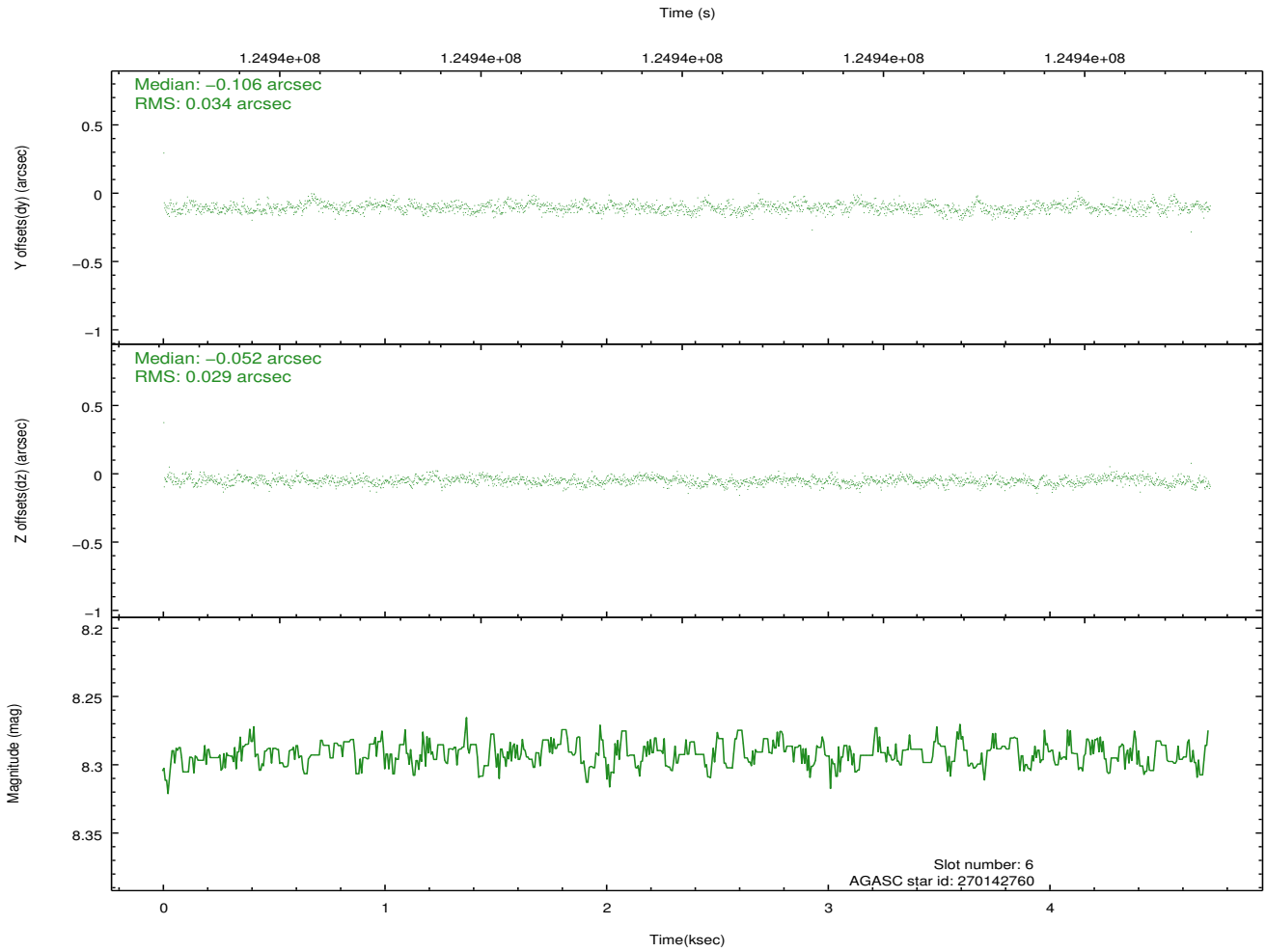
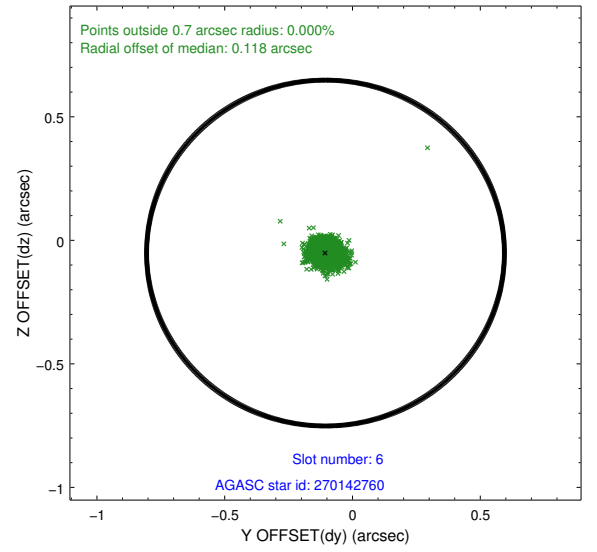
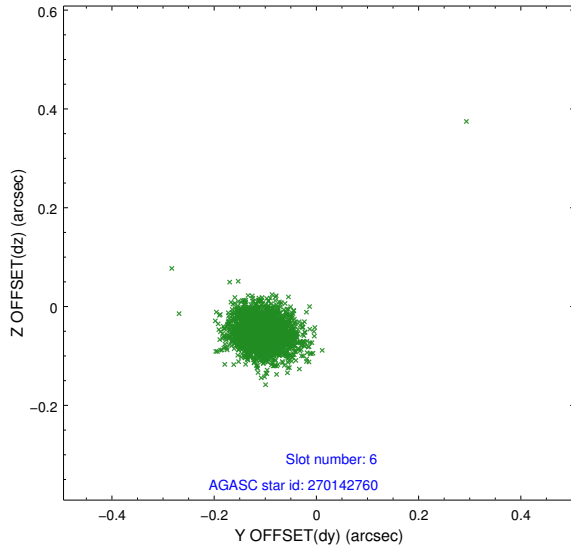
2.4.2 Slot 4



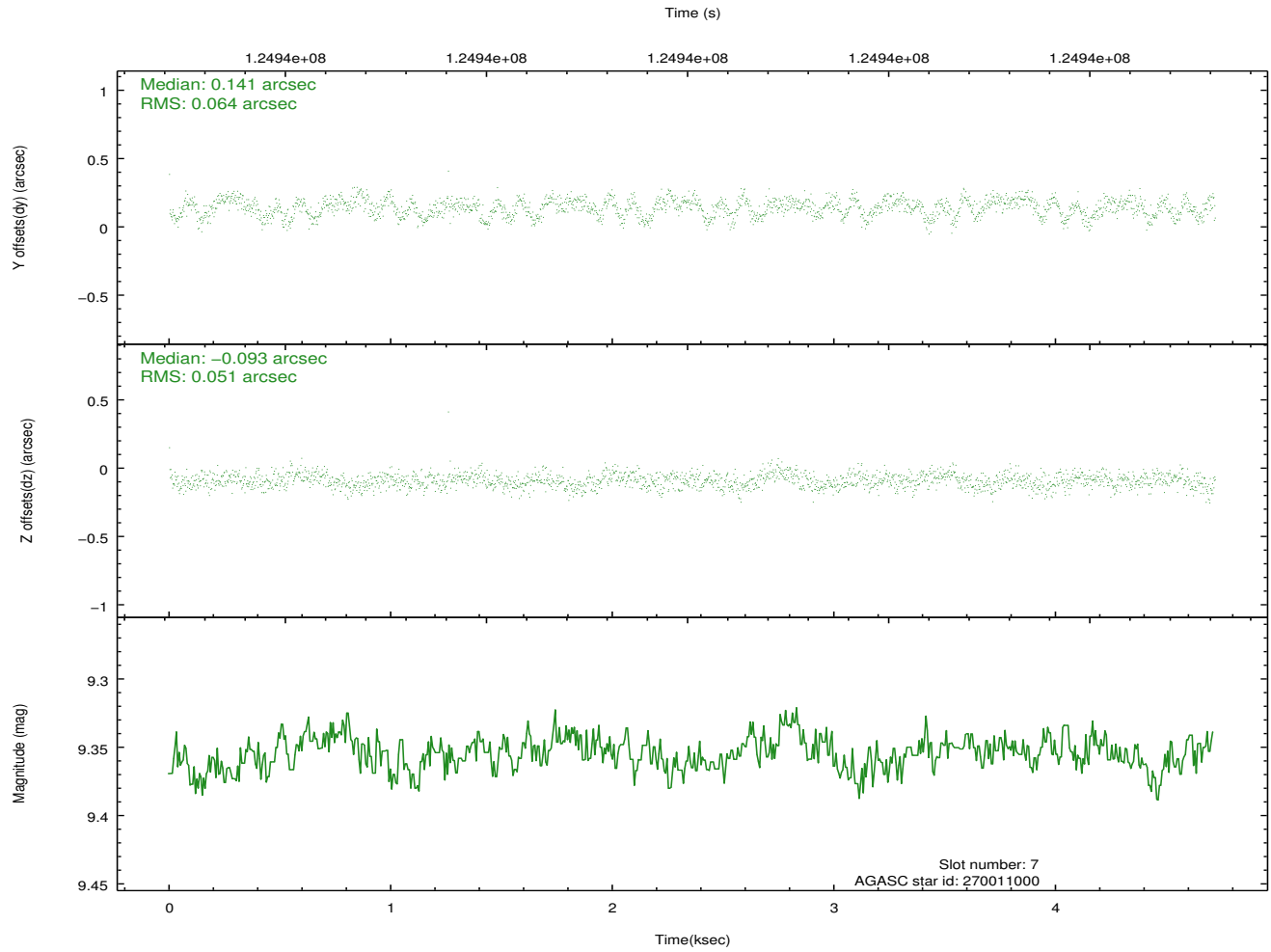
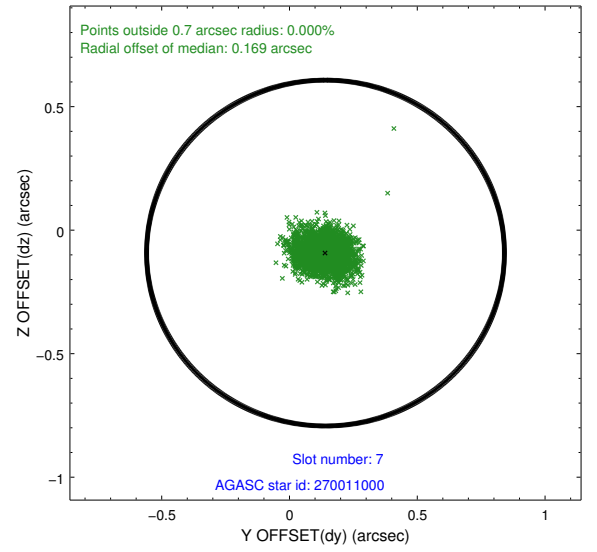
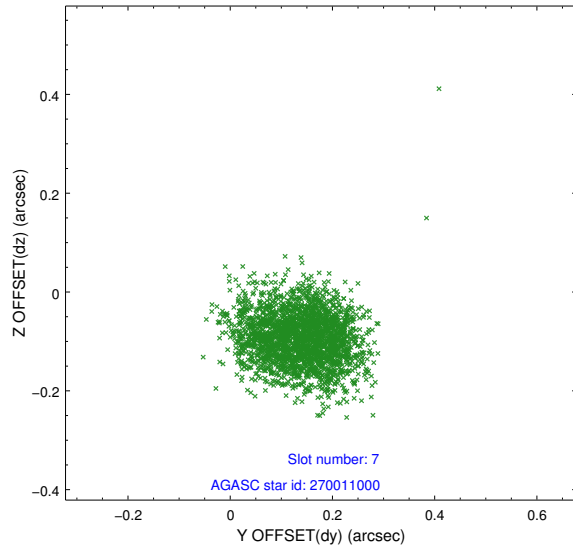
2.4.3 Slot 5



2.4.4 Slot 6

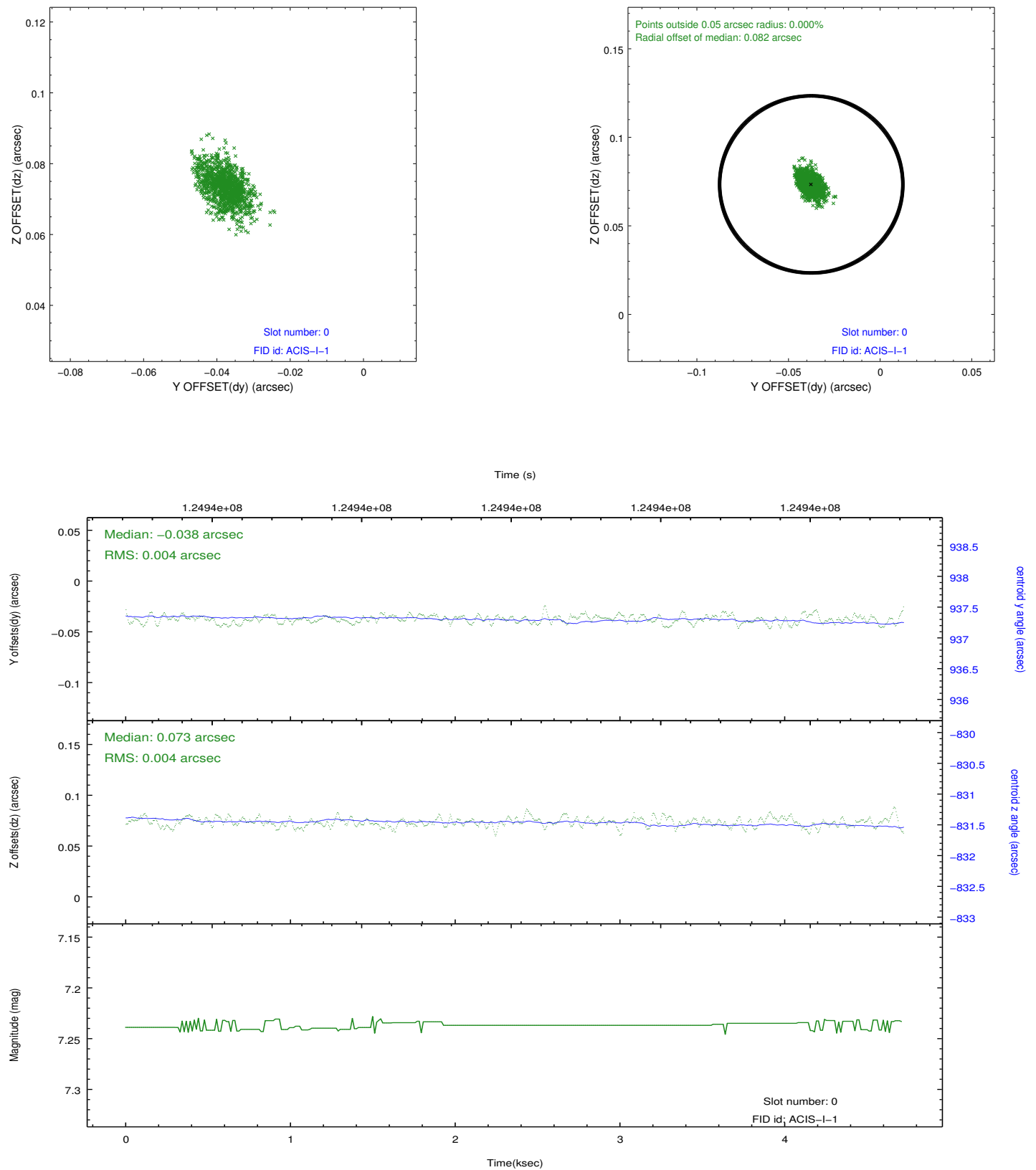


2.4.5 Slot 7

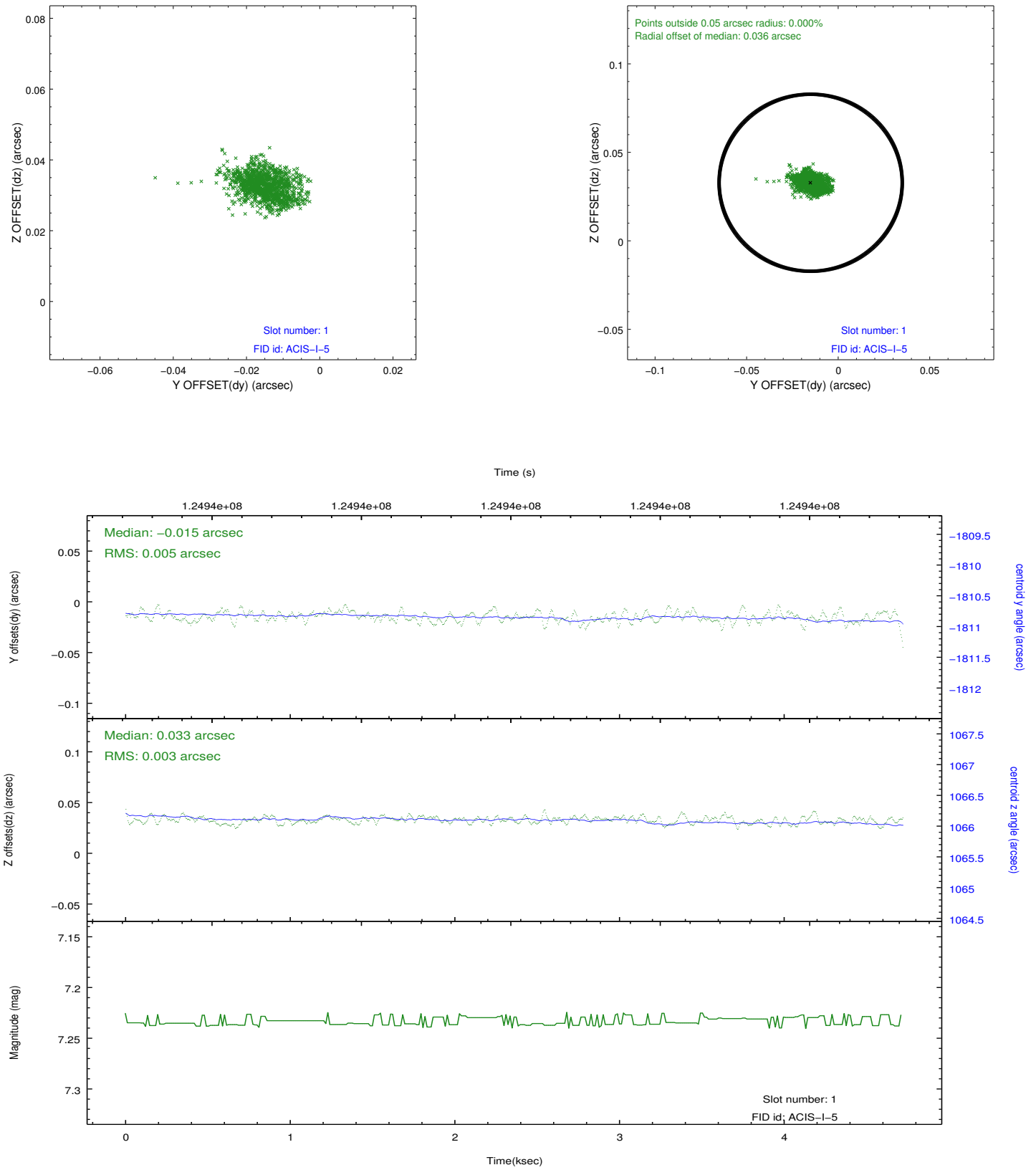


2.5 FID Slots

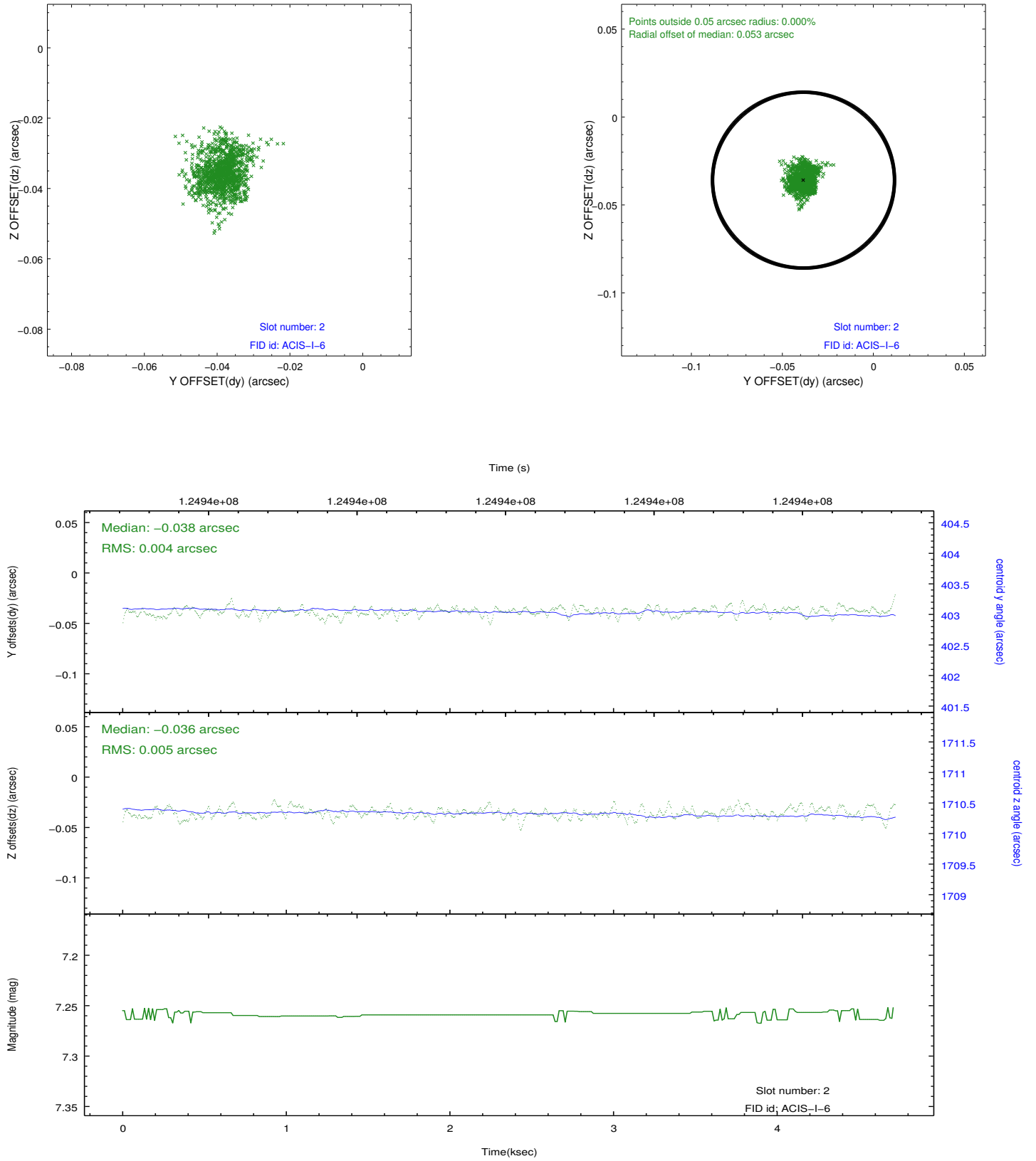
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.465

A.2 Comments