

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2257 - L2 Version 5
Chandra X-Ray Center

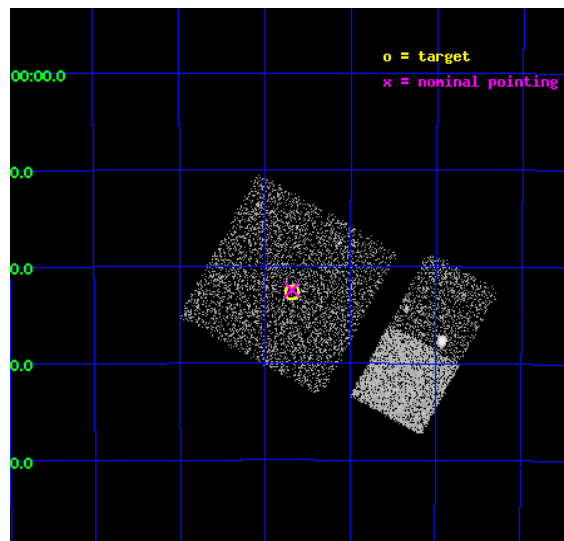
L2 Processing Date : Sep 25 2012

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1 Front

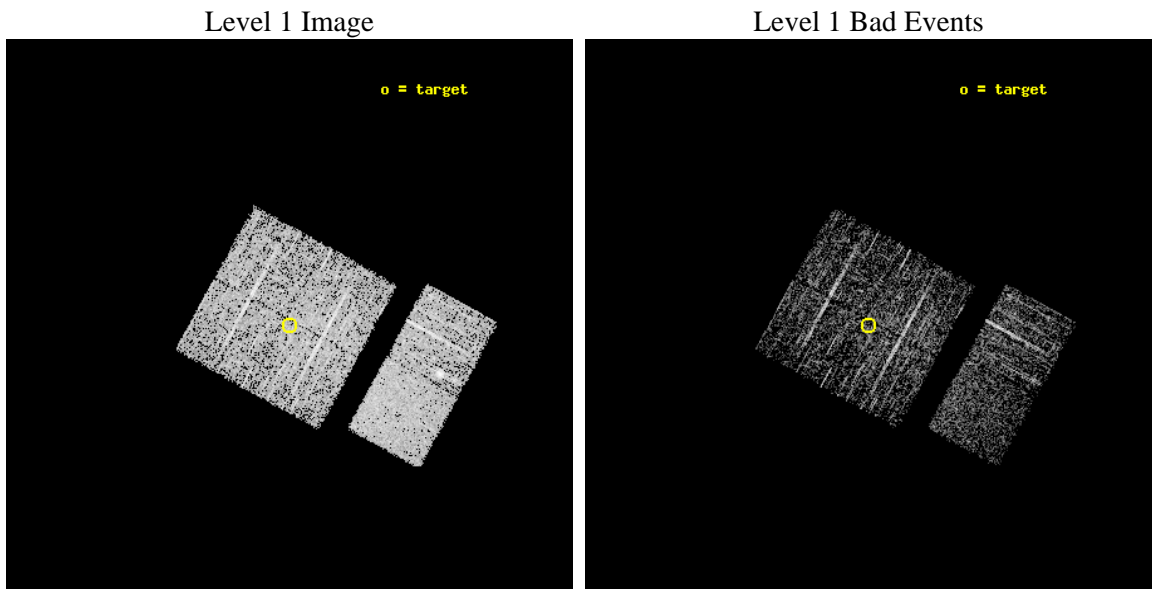
seq_num	900084	Sequence number
obs_id	2257	Observation id
title	CHANDRA OBSERVATION OF HARD X-RAY SOURCES DISCOVERED WITH ASCA	Pro
observer	Dr Yoshihiro Ueda	Principal investigator
object	AGX~J045241-5322	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.1725	Observer's specified target RA [deg]
dec_targ	-53.378306	Observer's specified target Dec [deg]
ra_nom	73.172024448198	Nominal RA [deg]
dec_nom	-53.373813414249	Nominal Dec [deg]
roll_nom	118.76411994583	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2043.7432488352	Sum of GTIs [s]
livetime	2017.864141224	Livetime [s]
ontime0	2043.6201288402	Sum of GTIs [s]
ontime1	2043.6611688435	Sum of GTIs [s]
ontime2	2043.7022088468	Sum of GTIs [s]
ontime3	2043.7432488352	Sum of GTIs [s]
ontime6	2043.8253288418	Sum of GTIs [s]
ontime7	2043.7842888385	Sum of GTIs [s]
l2events	14170	Number of level 2 events



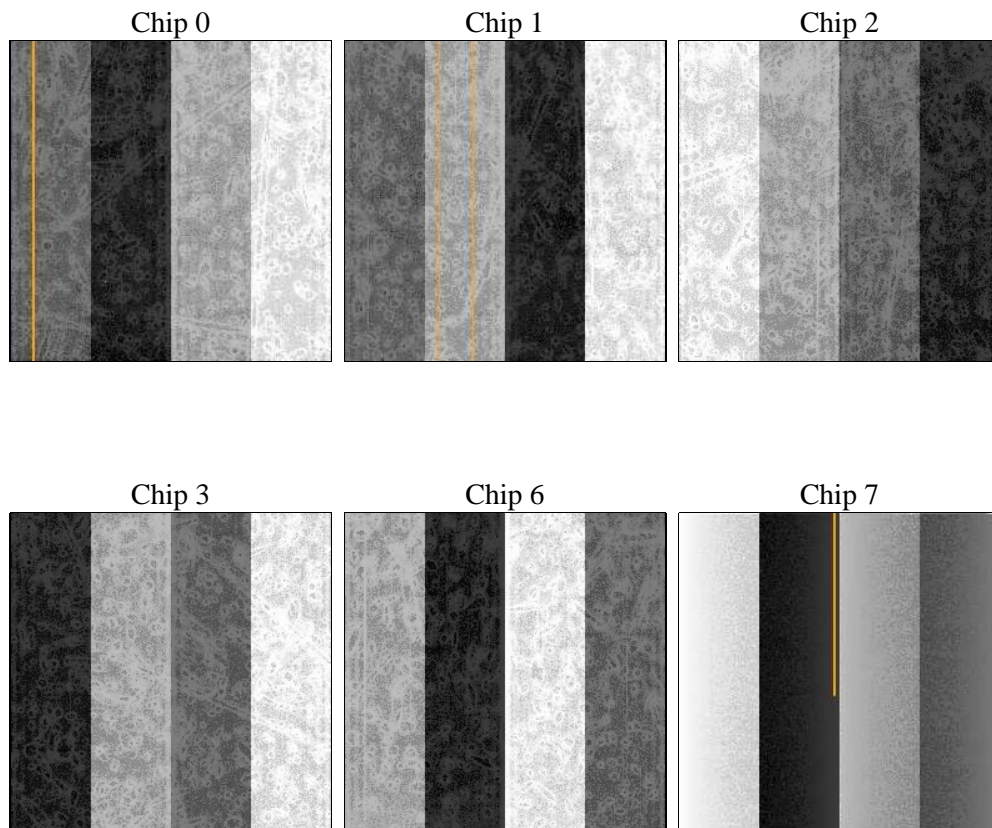
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2290.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2043.7432488352	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	2043.6201288402	Sum of GTIs [s]
date	2012-09-25T21:41:32	Date and time of file creation	ontime1	2043.6611688435	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	2043.7022088468	Sum of GTIs [s]
			ontime3	2043.7432488352	Sum of GTIs [s]
			ontime6	2043.8253288418	Sum of GTIs [s]
			ontime7	2043.7842888385	Sum of GTIs [s]
			l1events	85489	Number of level 1 events

2.1.4 Events

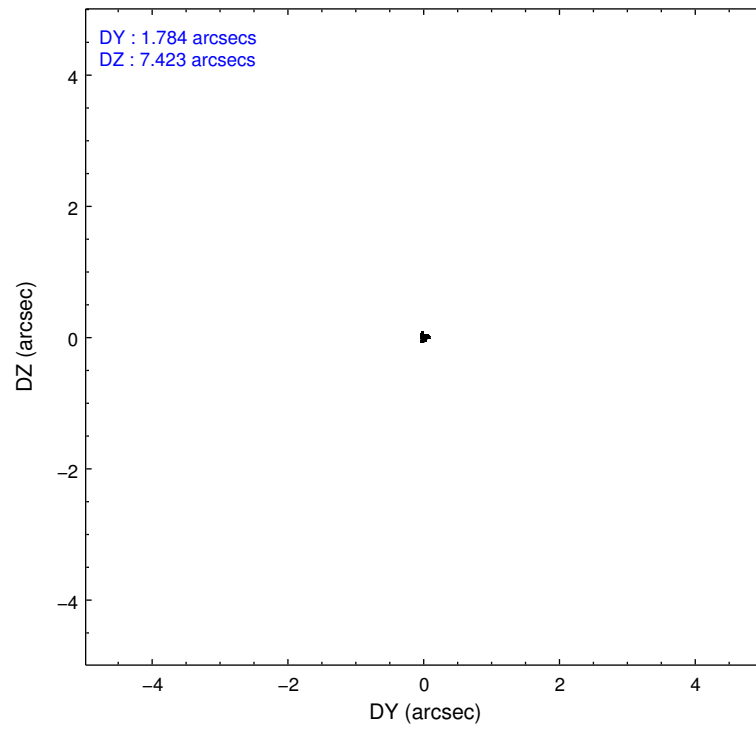
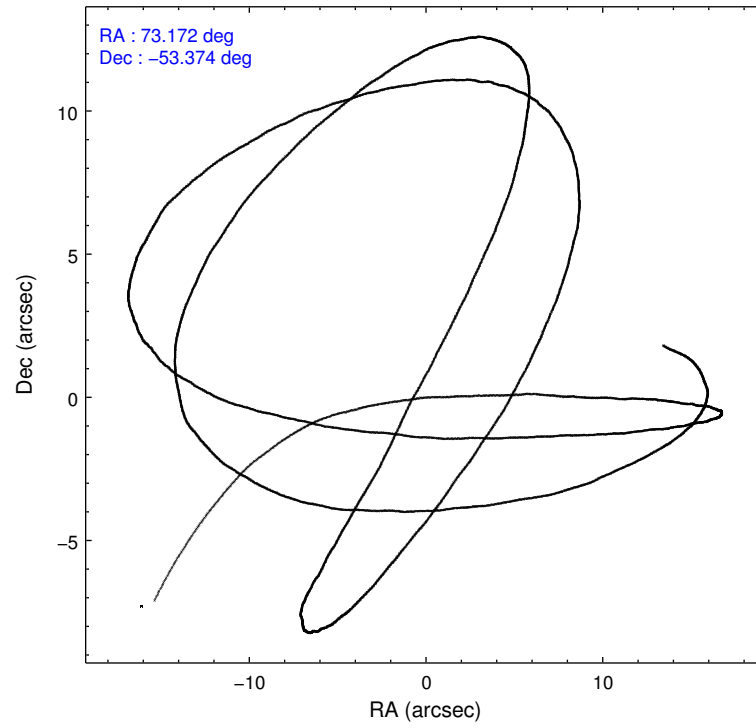
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	12705	12492	14375	13649	15229	17039
rejected events	11074	10920	12826	12079	13026	9977
rejected %	87%	87%	89%	88%	85%	58%

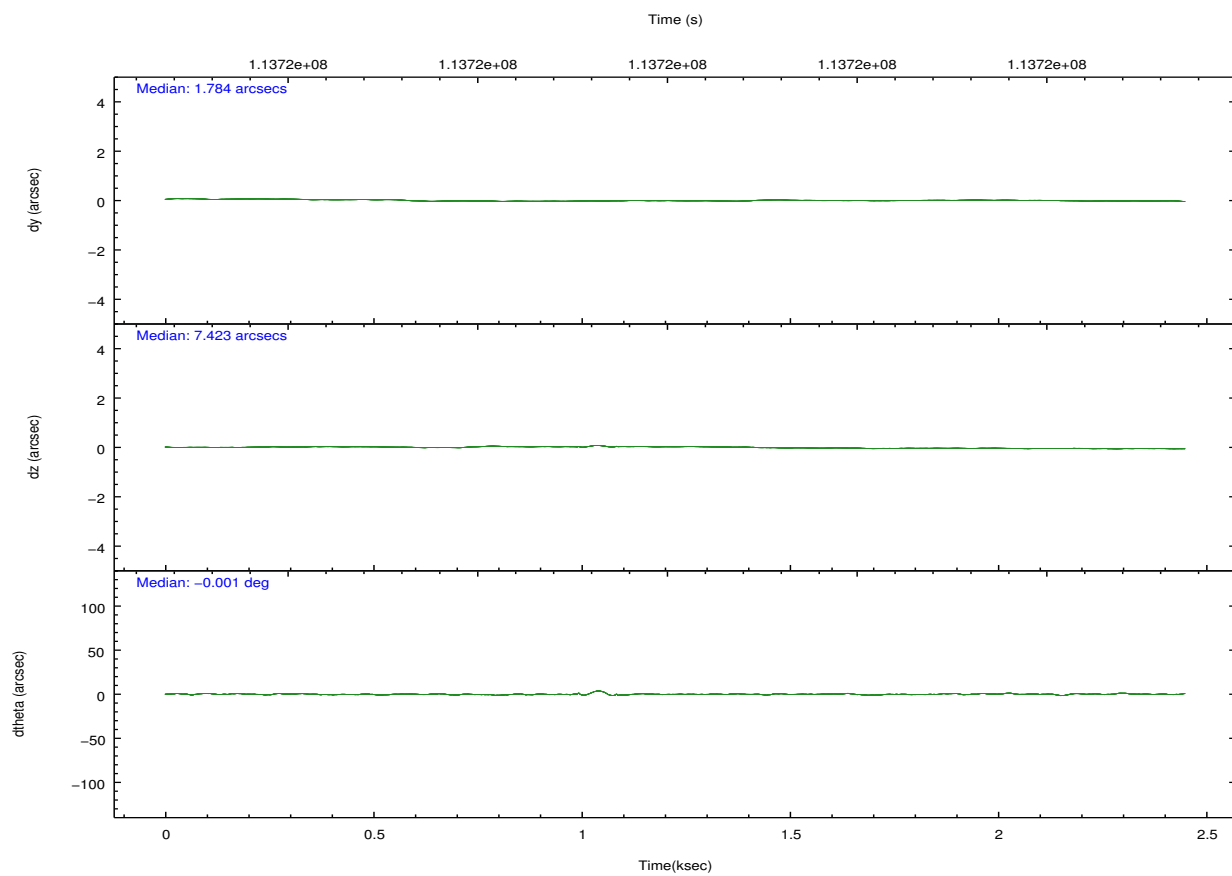
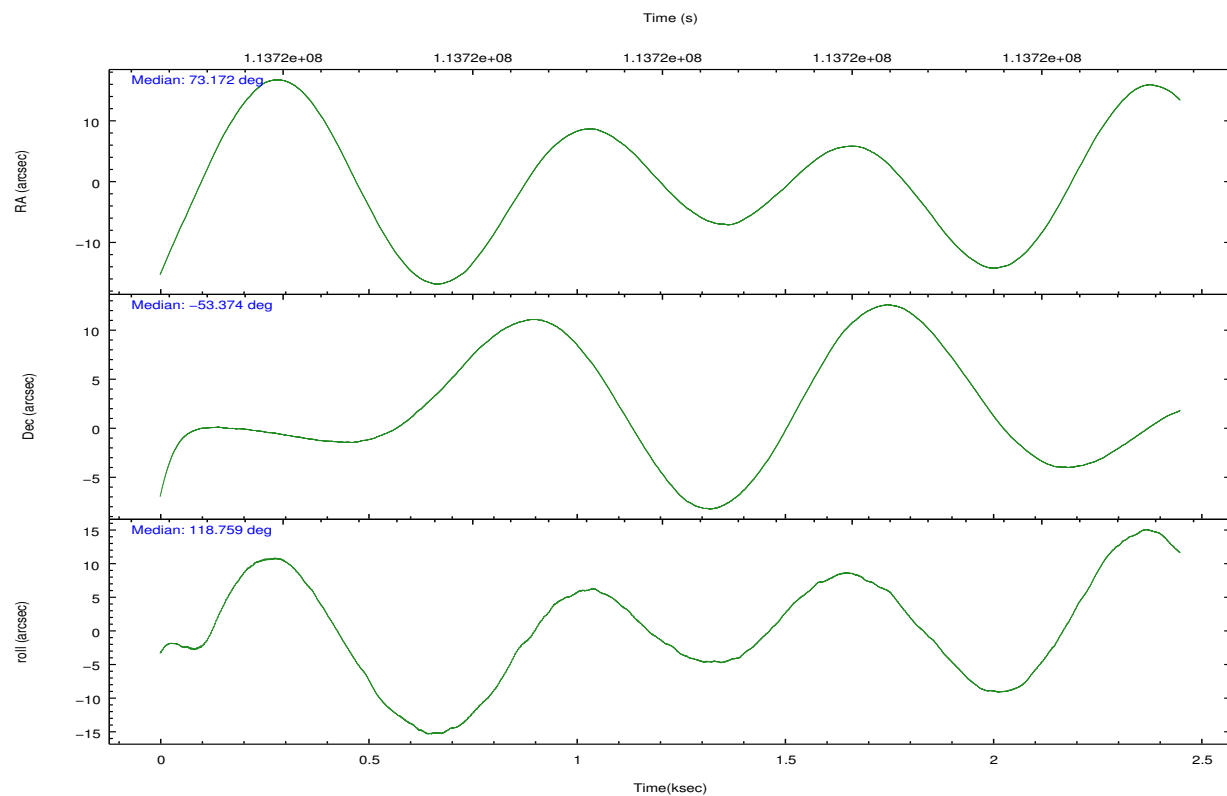
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	694	642	714	689	1159	707
	5%	5%	4%	5%	7%	4%
grade 1 events	5	2	10	0	11	9
	0%	0%	0%	0%	0%	0%
grade 2 events	334	310	315	314	377	1458
	2%	2%	2%	2%	2%	8%
grade 3 events	161	145	134	162	167	662
	1%	1%	0%	1%	1%	3%
grade 4 events	161	187	143	136	185	605
	1%	1%	0%	0%	1%	3%
grade 5 events	470	525	482	523	560	1663
	3%	4%	3%	3%	3%	9%
grade 6 events	281	289	244	271	318	3643
	2%	2%	1%	1%	2%	21%
grade 7 events	10599	10392	12333	11554	12452	8292
	83%	83%	85%	84%	81%	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	73.211061	73.17202444819785	Subarray requested	NONE	NONE
[deg] Pointing Dec	-53.387790	-53.373813414249	Alternating exposures requested	N	N
[deg] Pointing Roll	118.586716	118.7641199458268	[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)	113719453.184000	113718506.52691			
Observation start date	2001-08-09T04:43:09	2001-08-09T04:28:26			
[s] Observation end time (MET)	113721743.184000	113722643.42707			
Observation end date	2001-08-09T05:21:19	2001-08-09T05:37:23			
Read mode	TIMED	TIMED			

2.3 Aspect



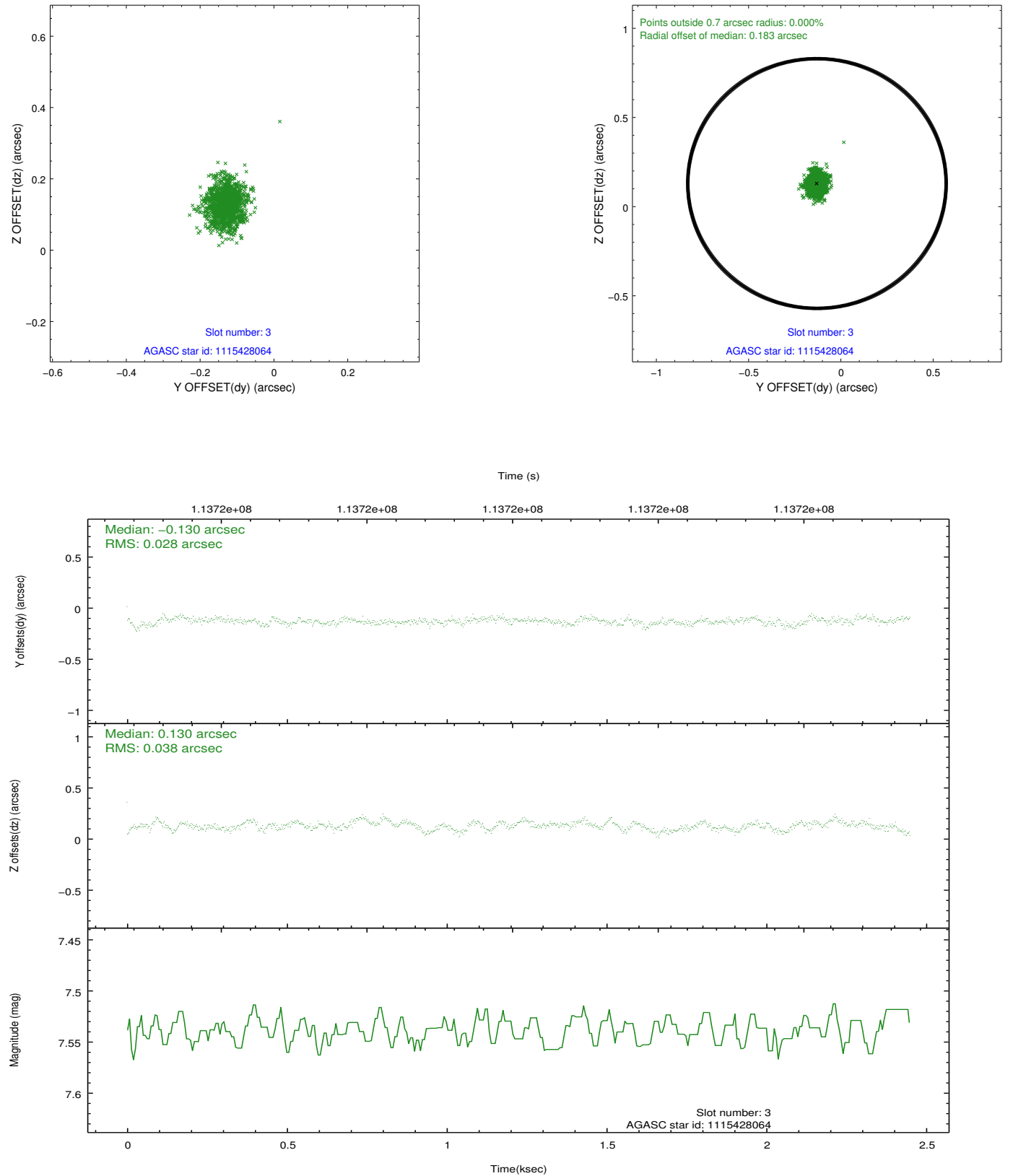


Slot Statistics

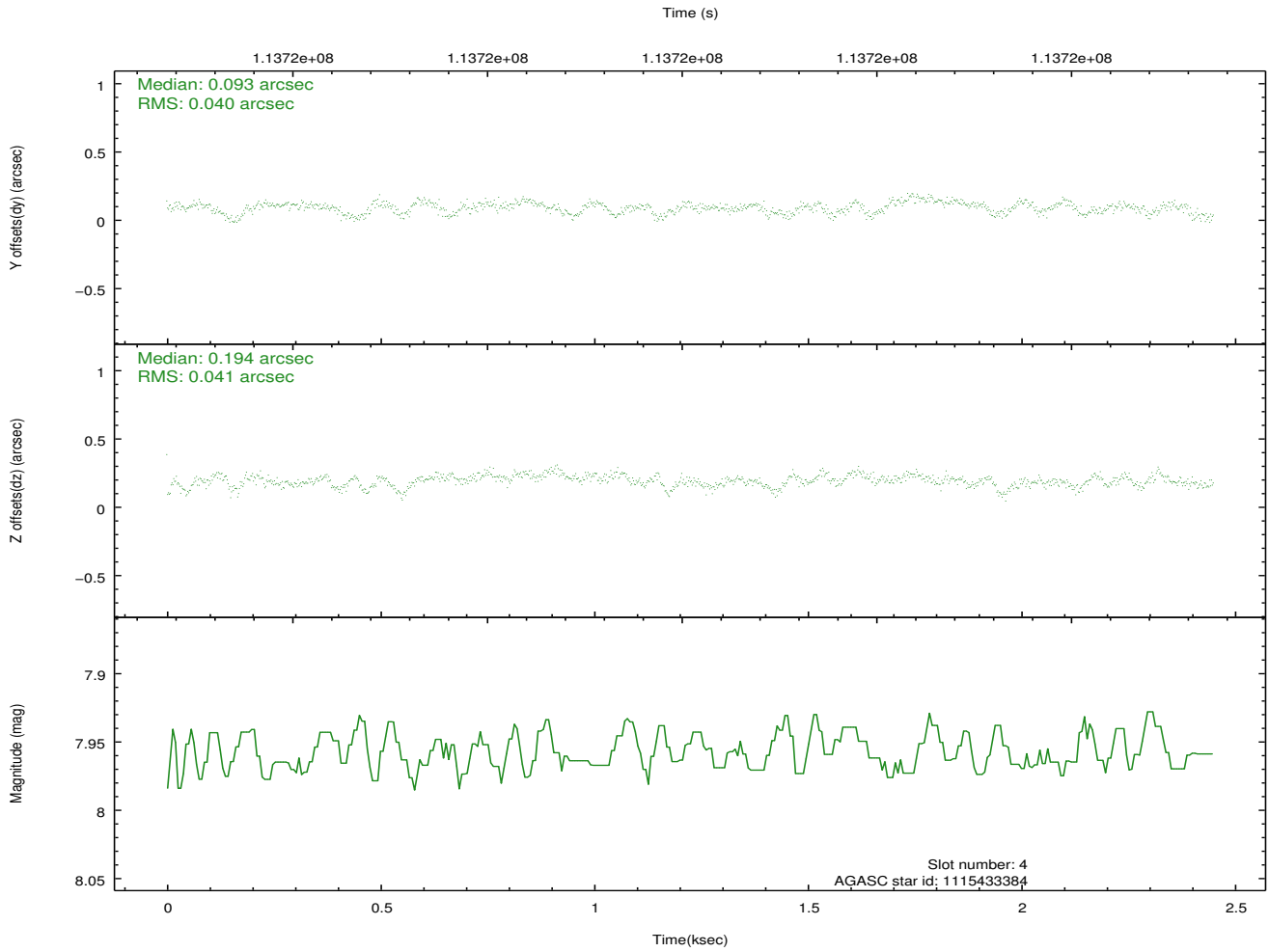
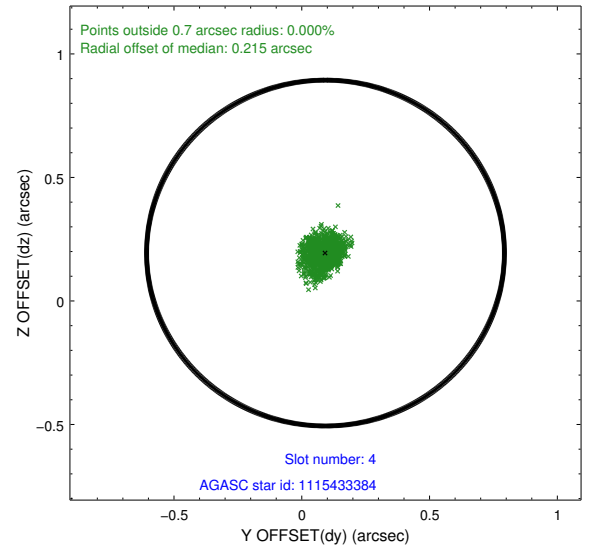
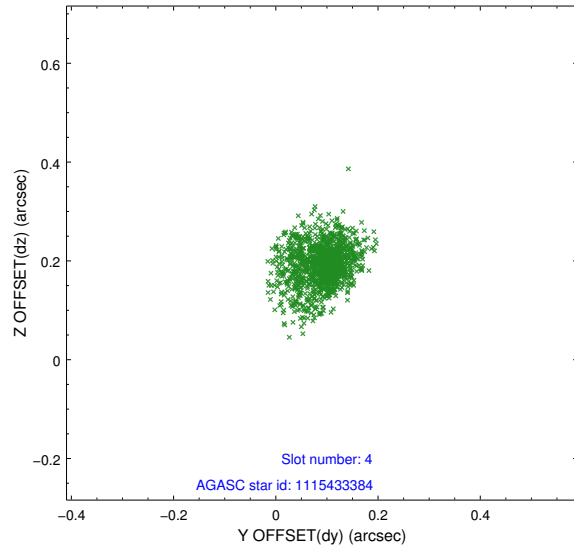
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	598	-0.020	0.018	0.004	0.009	0.000000	0.000000	938.00	-830.82
1	FID	ACIS-I-5	7.23	598	-0.040	0.032	0.004	0.009	0.000000	0.000000	-1808.62	1065.42
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	1115428064	7.54	1196	-0.130	0.130	0.051	0.080	74.135555	-53.027377	171.49	-2371.44
4	GUIDE	1115433384	7.96	1196	0.093	0.194	0.061	0.101	74.432905	-53.395200	-1296.46	-2280.78
5	GUIDE	1115429648	8.99	1196	0.056	-0.114	0.086	0.133	72.495760	-53.281703	1065.37	1171.61
6	GUIDE	1115428848	10.32	1157	-0.001	-0.240	0.149	0.253	72.613653	-54.150325	-1810.49	2423.57
7	GUIDE	1115429880	9.42	1193	-0.022	0.032	0.090	0.146	71.876198	-53.112882	2225.01	2074.94

2.4 Star Slots

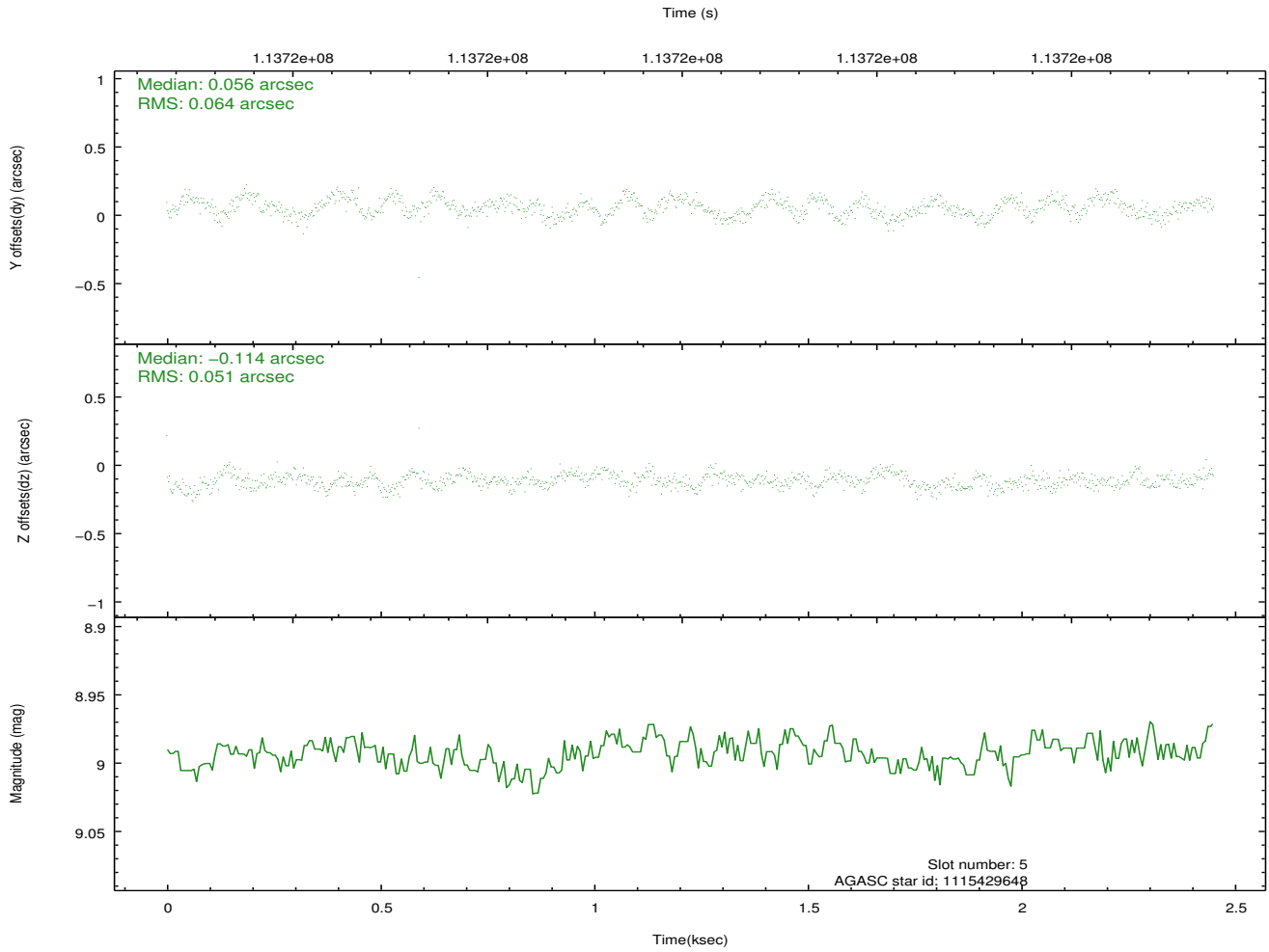
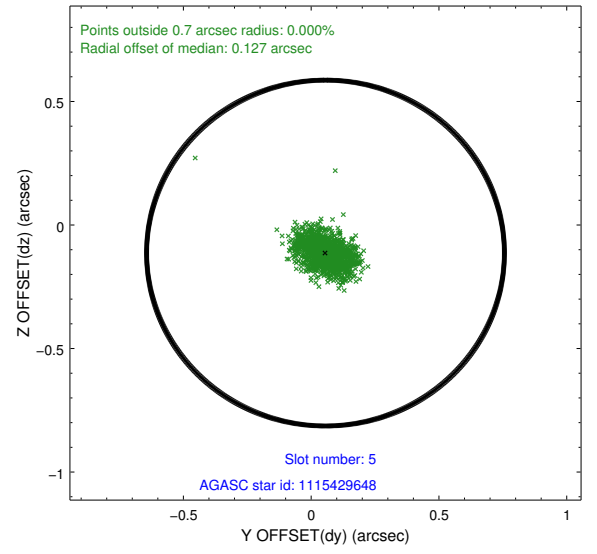
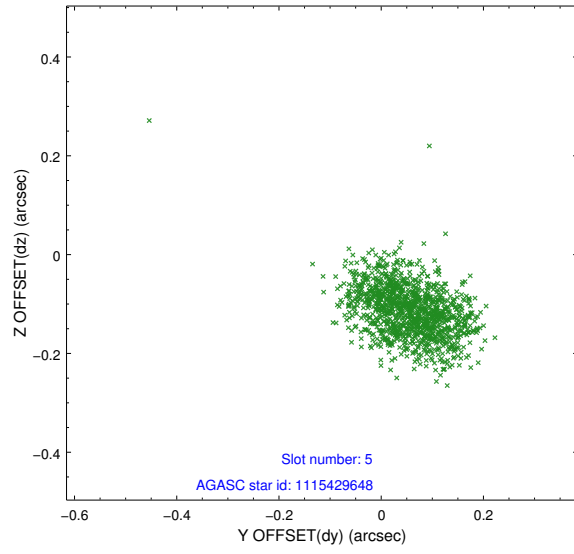
2.4.1 Slot 3



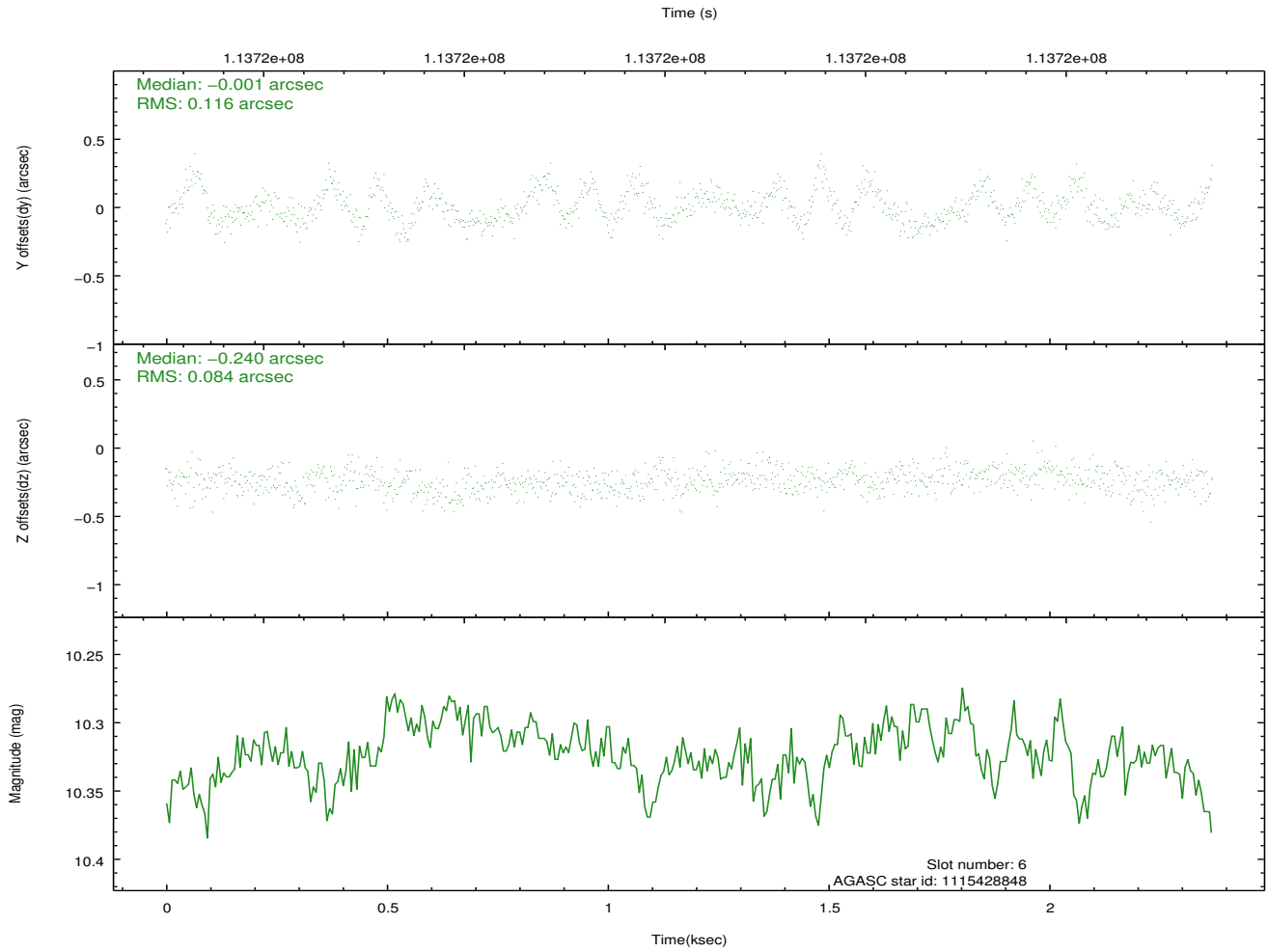
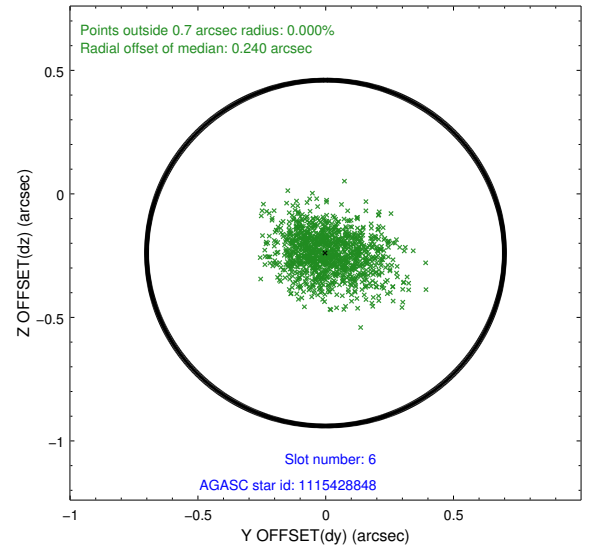
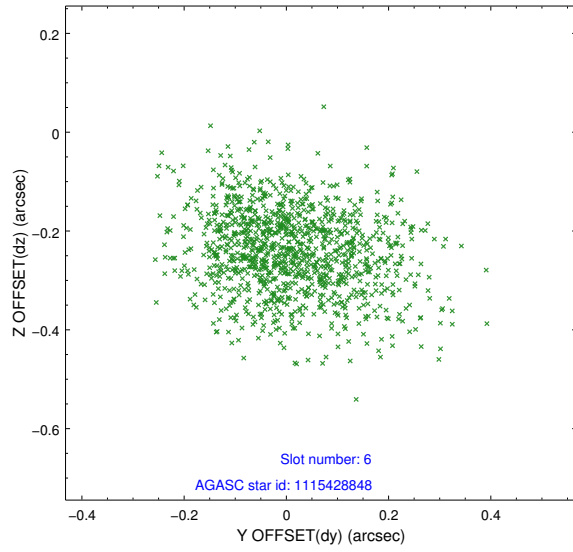
2.4.2 Slot 4



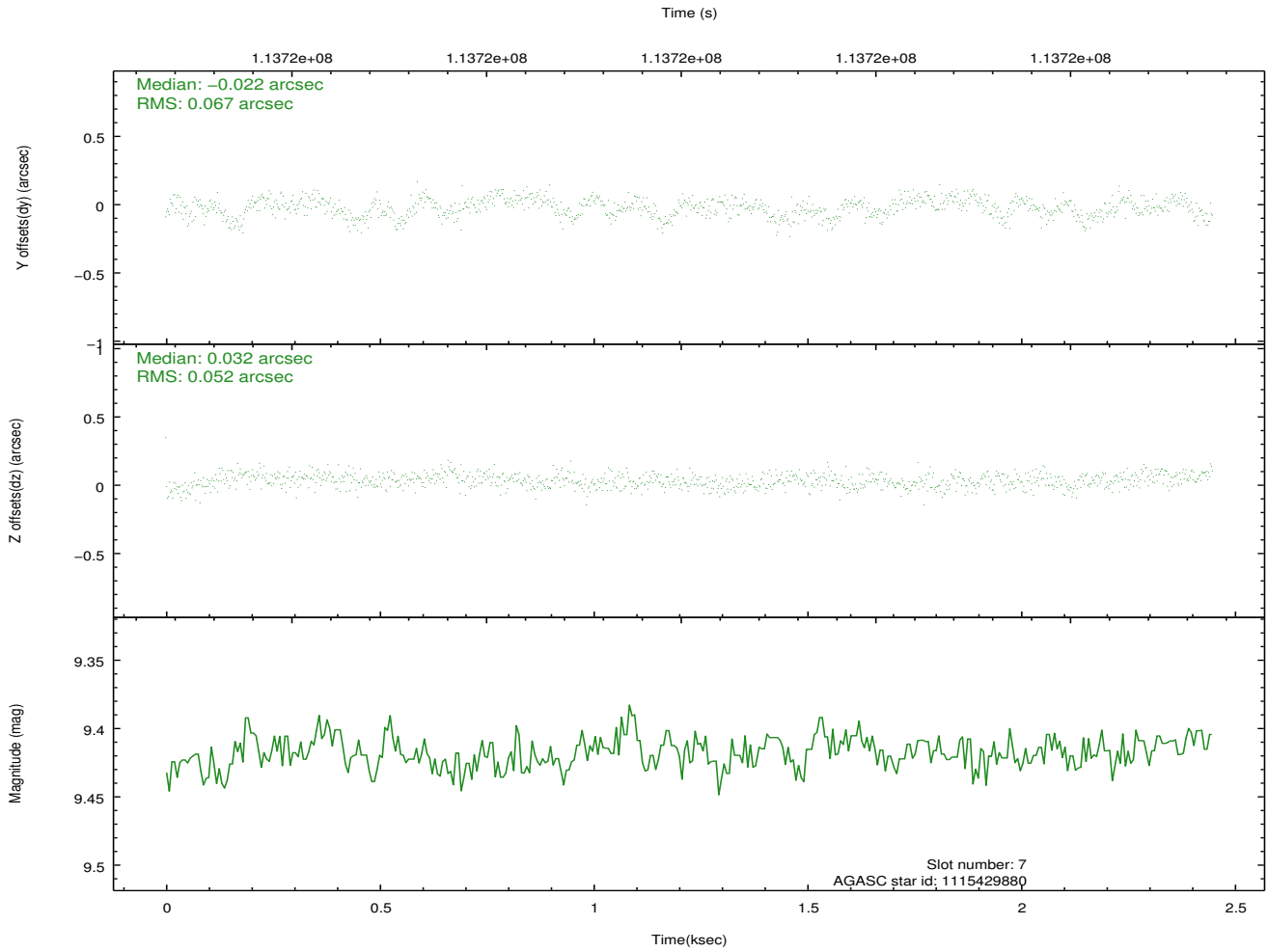
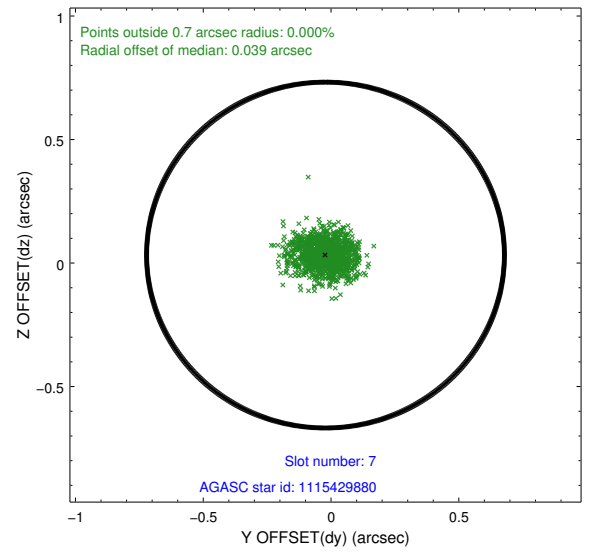
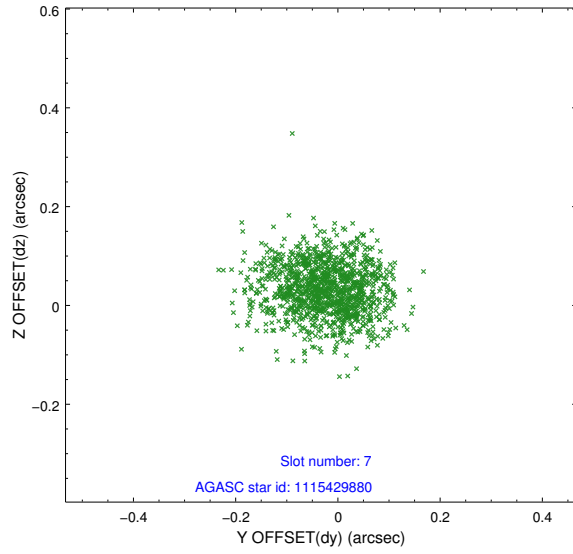
2.4.3 Slot 5



2.4.4 Slot 6

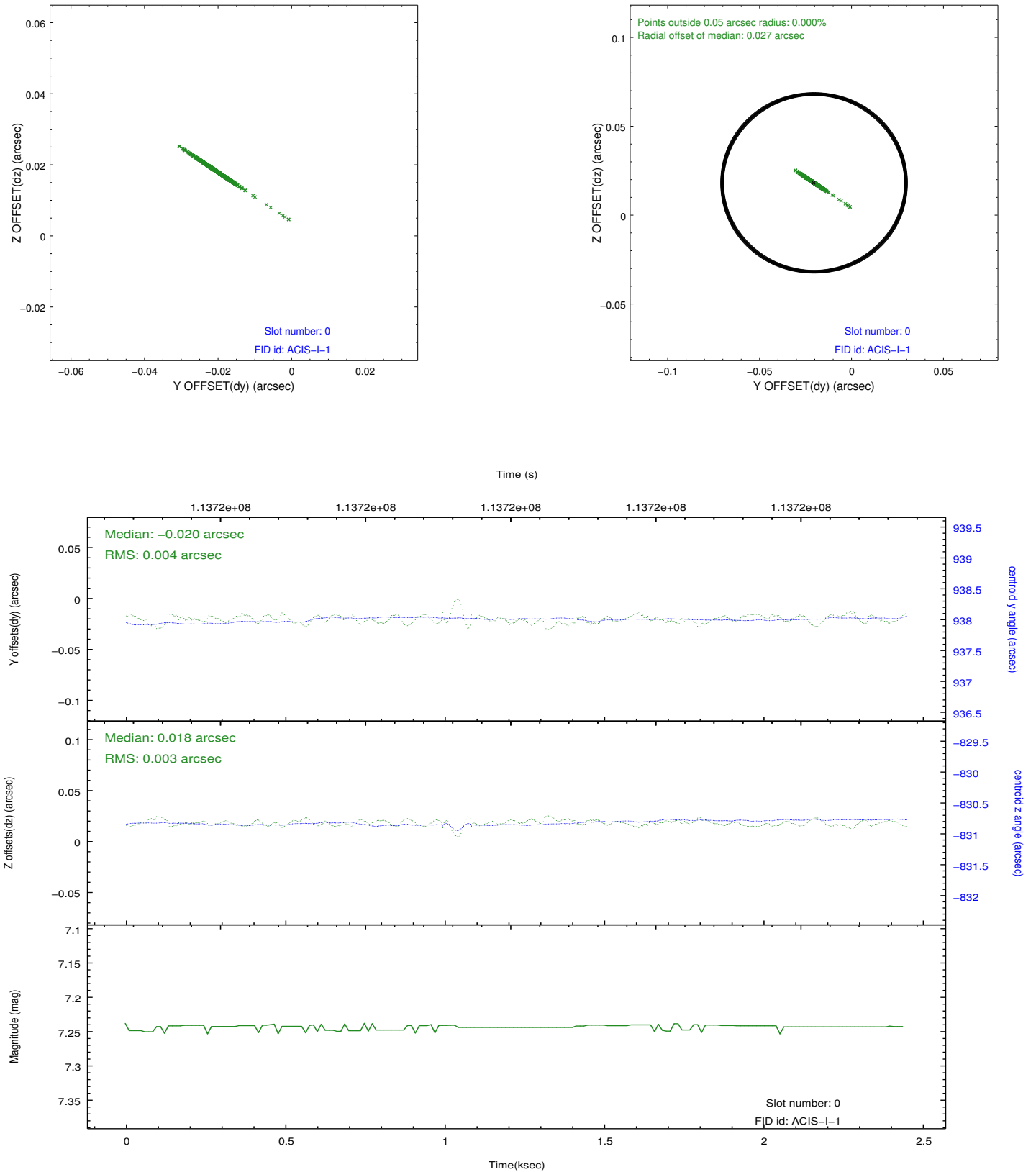


2.4.5 Slot 7

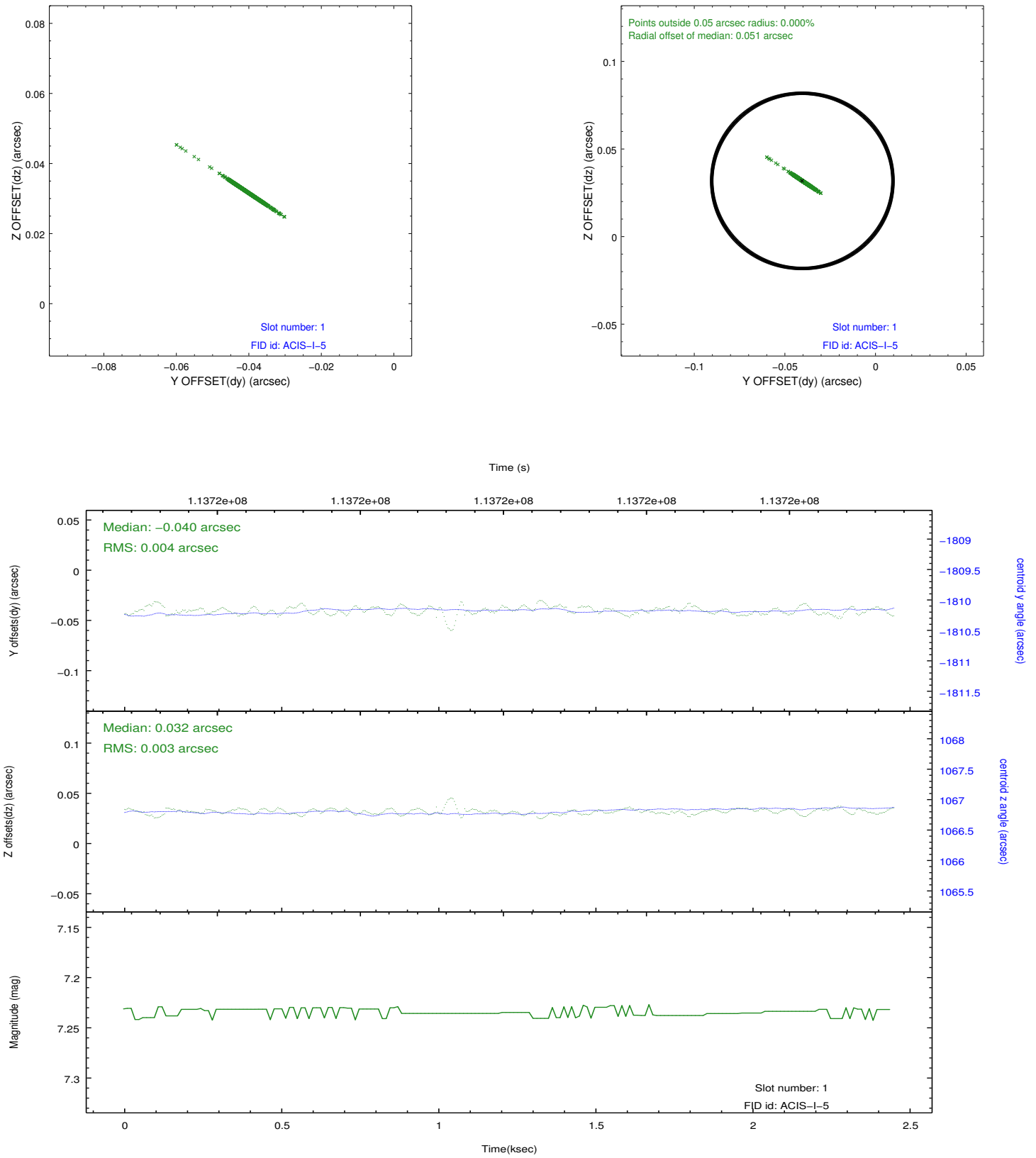


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.045

A.2 Comments

The fid light in slot 2 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.