

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 14047 - L2 Version 1
Chandra X-Ray Center

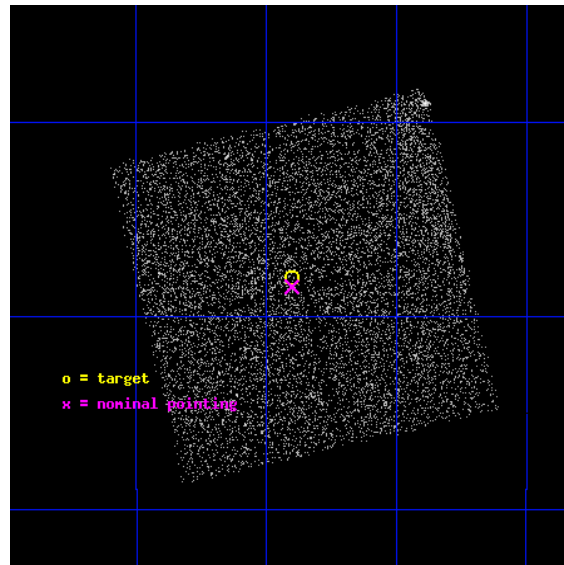
L2 Processing Date : Jul 21 2012

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1 Front

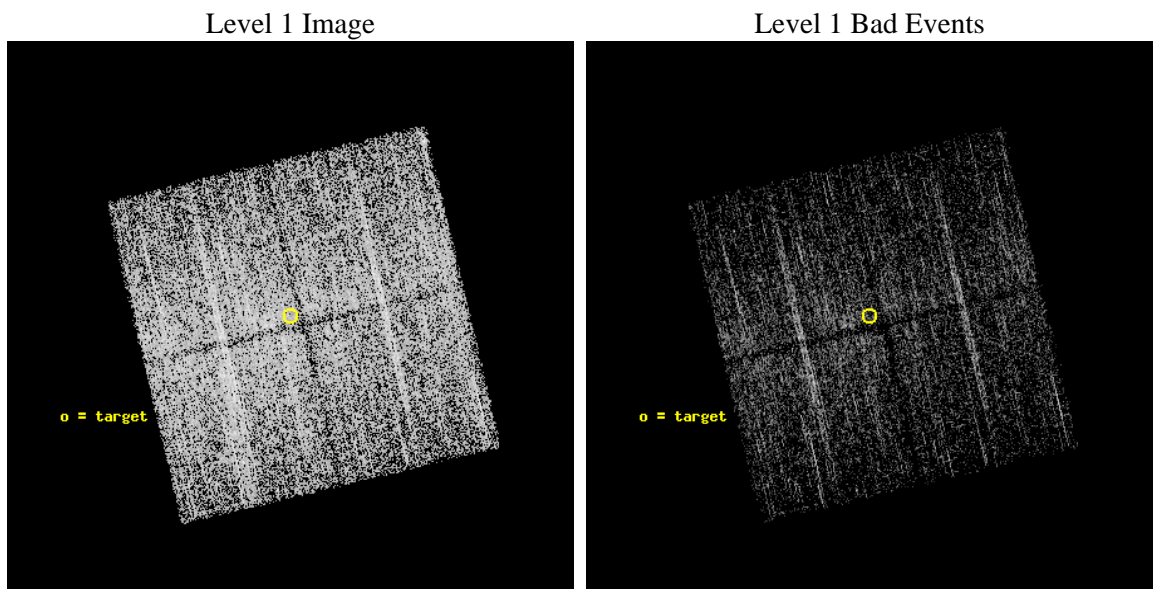
seq_num	901013	Sequence number
obs_id	14047	Observation id
title	BAT, Chandra, NuSTAR and The origin of the Cosmic X-ray Background	
observer	Dr. Marco Ajello	Principal investigator
object	J1458.4-2447	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	224.6	Observer's specified target RA [deg]
dec_targ	-24.8	Observer's specified target Dec [deg]
ra_nom	224.60051962571	Nominal RA [deg]
dec_nom	-24.808098512496	Nominal Dec [deg]
roll_nom	256.58768737068	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5089.0195151567	Sum of GTIs [s]
livetime	5022.5277287096	Livetime [s]
ontime0	5088.8963951468	Sum of GTIs [s]
ontime1	5088.9374351501	Sum of GTIs [s]
ontime2	5088.9784751534	Sum of GTIs [s]
ontime3	5089.0195151567	Sum of GTIs [s]
l2events	12696	Number of level 2 events



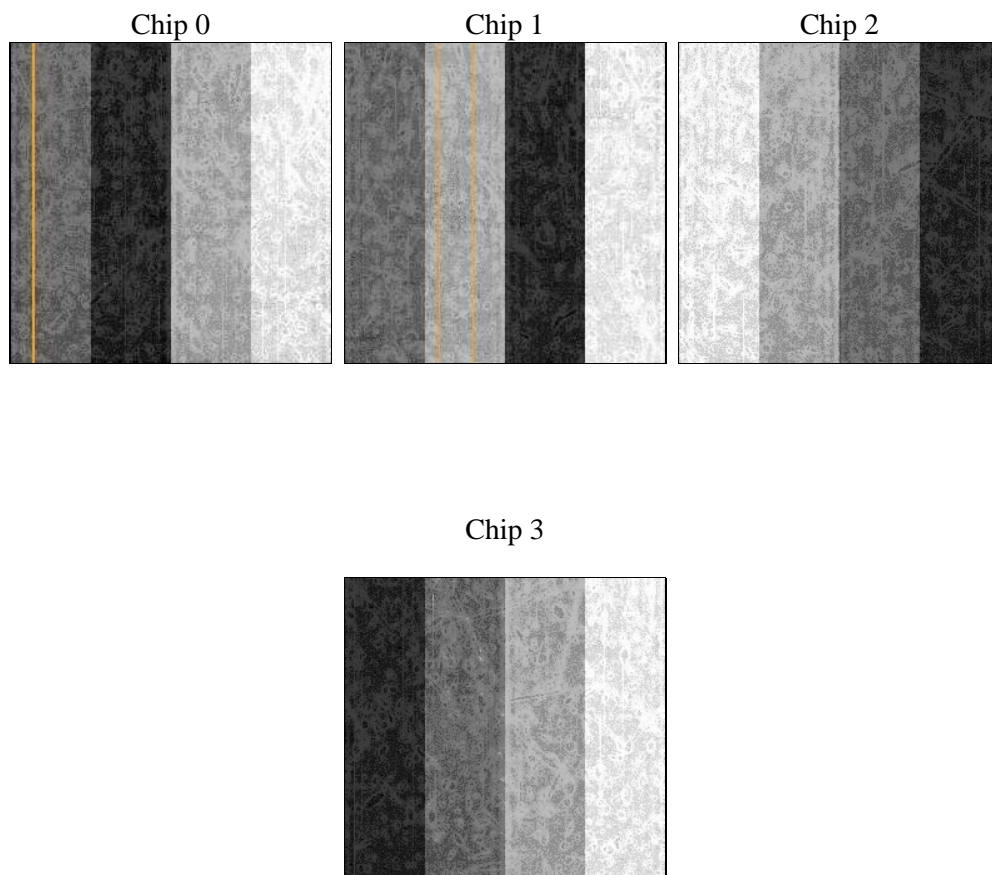
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5089.0195151567	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	5088.8963951468	Sum of GTIs [s]
date	2012-07-21T03:29:41	Date and time of file creation	ontime1	5088.9374351501	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5088.9784751534	Sum of GTIs [s]
			ontime3	5089.0195151567	Sum of GTIs [s]
			l1events	123122	Number of level 1 events

2.1.4 Events

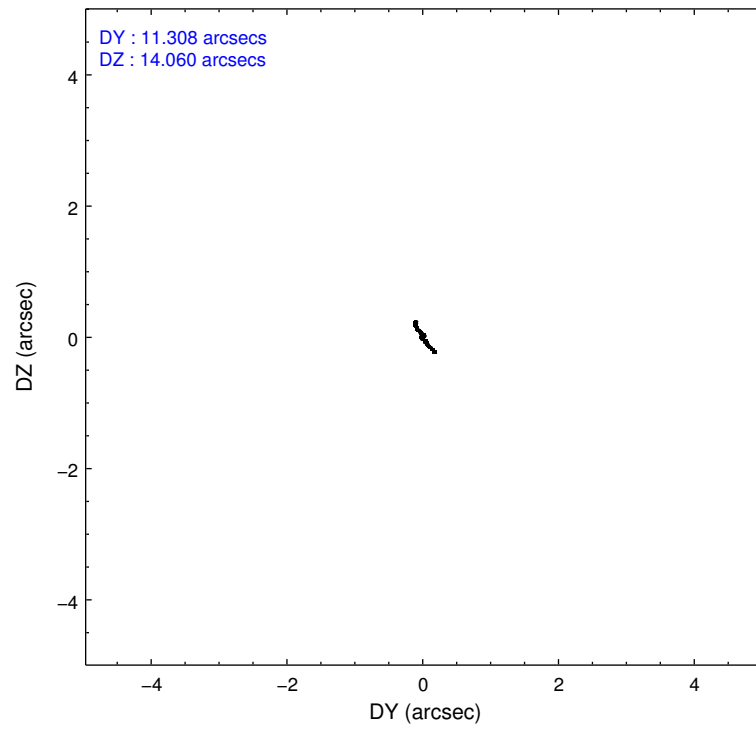
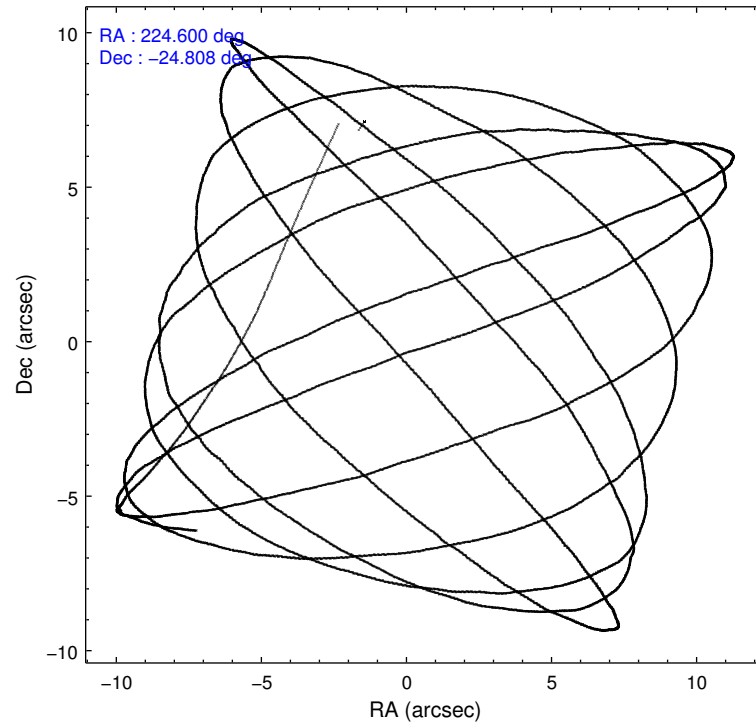
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	27346	29738	33700	32338
rejected events	23041	25282	28801	28793
rejected %	84%	85%	85%	89%

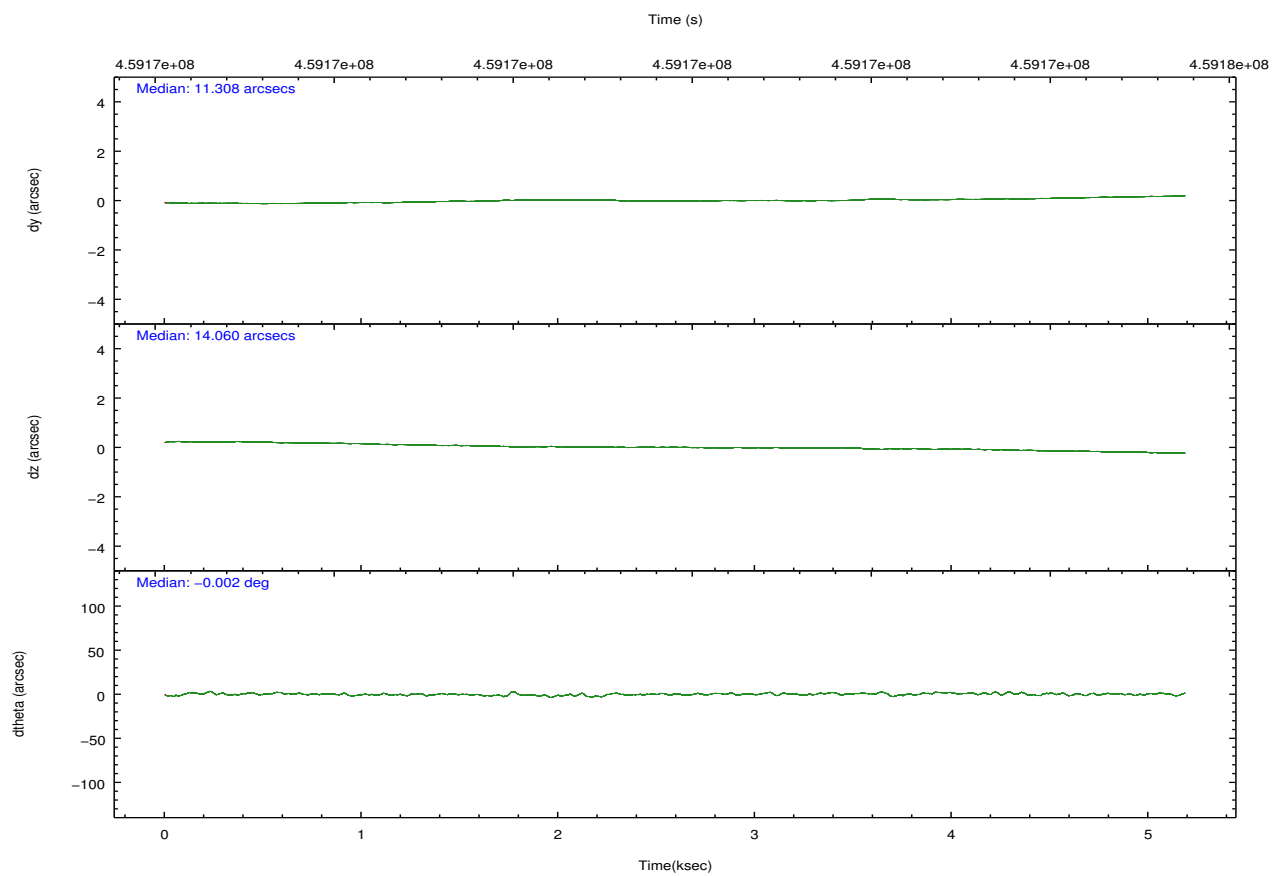
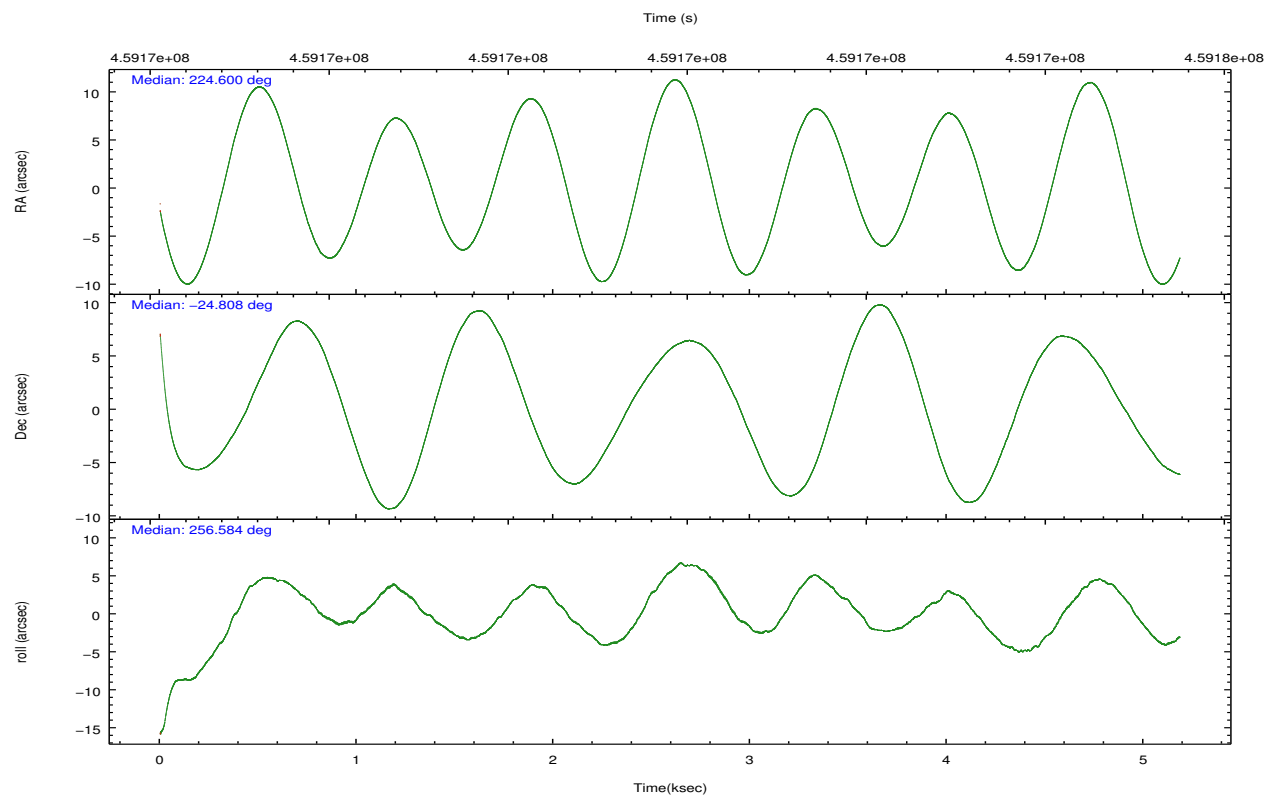
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1776	1707	2163	1390
	6%	5%	6%	4%
grade 1 events	22	14	26	15
	0%	0%	0%	0%
grade 2 events	1156	1184	1277	798
	4%	3%	3%	2%
grade 3 events	324	351	293	349
	1%	1%	0%	1%
grade 4 events	328	371	461	351
	1%	1%	1%	1%
grade 5 events	1184	1232	1130	1293
	4%	4%	3%	3%
grade 6 events	725	846	723	660
	2%	2%	2%	2%
grade 7 events	21831	24033	27627	27482
	79%	80%	81%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	224.591849	224.6005196257079	Subarray requested	NONE	NONE
[deg] Pointing Dec	-24.781740	-24.80809851249648	Alternating exposures requested	N	N
[deg] Pointing Roll	256.375393	256.5876873706784	[s] Primary exposure time	0.000000	3.1
[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)	459169501.184000	459167880.59096			
Observation start date	2012-07-20T11:03:54	2012-07-20T10:38:00			
[s] Observation end time (MET)	459174501.184000	459175096.59135			
Observation end date	2012-07-20T12:27:14	2012-07-20T12:38:16			
Read mode	TIMED	TIMED			

2.3 Aspect



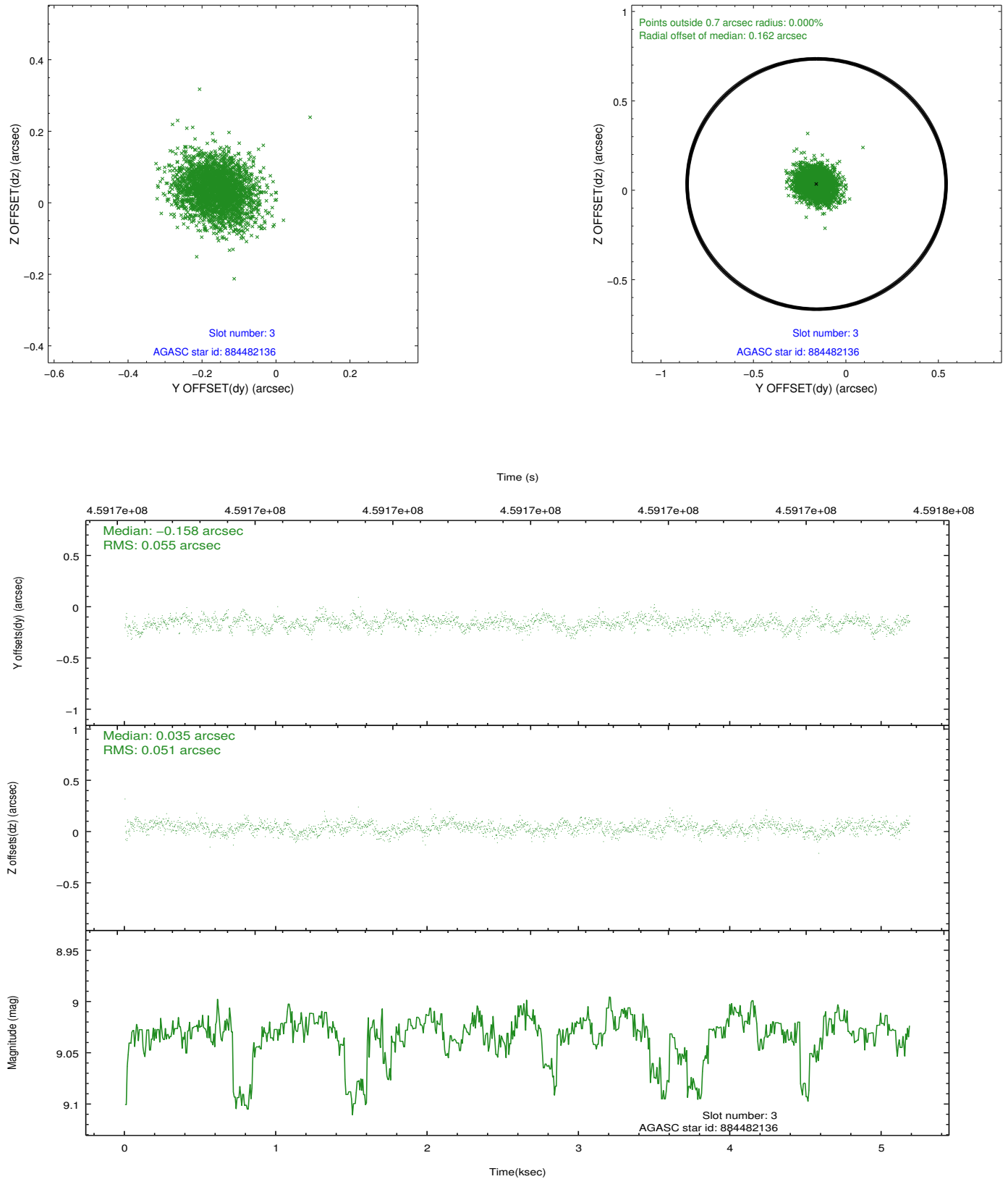


Slot Statistics

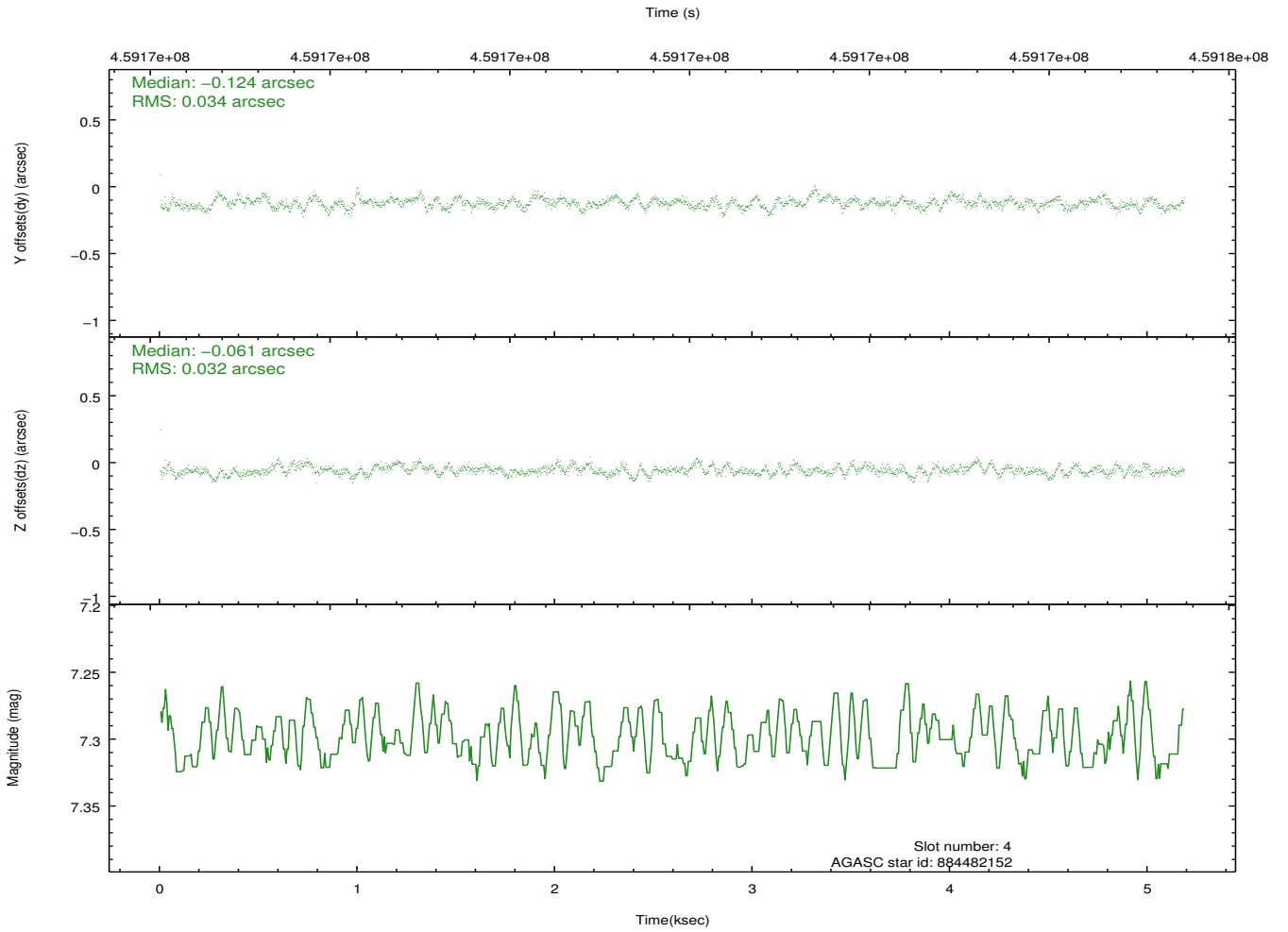
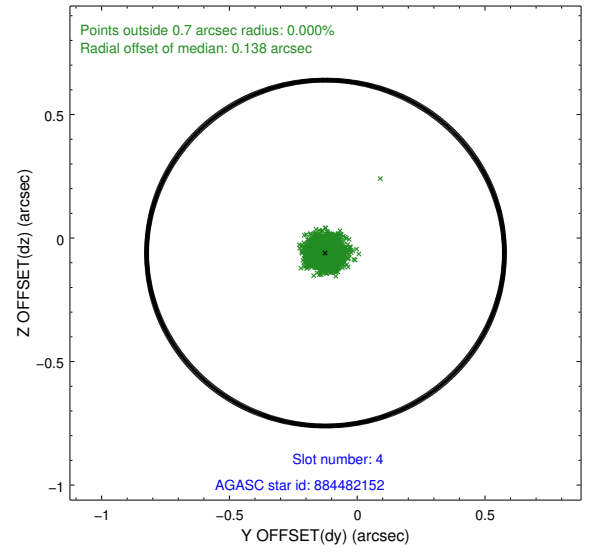
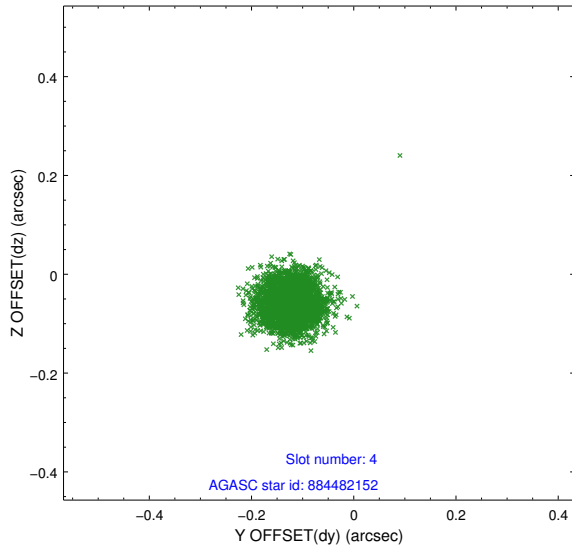
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	1265	-0.029	0.097	0.010	0.017	0.000000	0.000000	928.23	-837.55
1	FID	ACIS-I-2	6.91	1265	-0.151	-0.086	0.006	0.011	0.000000	0.000000	-765.34	-844.76
2	FID	ACIS-I-4	6.93	1264	0.082	0.056	0.007	0.013	0.000000	0.000000	2147.68	1061.63
3	GUIDE	884482136	9.03	2529	-0.158	0.035	0.079	0.130	225.058426	-24.350494	-1866.83	1122.30
4	GUIDE	884482152	7.30	2529	-0.124	-0.061	0.050	0.080	224.131327	-24.258339	-1473.11	-1912.38
5	GUIDE	884484440	9.00	2526	0.079	-0.118	0.090	0.144	224.238432	-24.368190	-1172.53	-1477.52
6	GUIDE	885001608	9.14	2520	-0.114	0.095	0.101	0.172	225.321626	-24.404143	-1879.06	2006.40
7	GUIDE	885004816	9.73	2528	0.311	0.052	0.117	0.187	224.800661	-25.414995	2055.63	1198.62

2.4 Star Slots

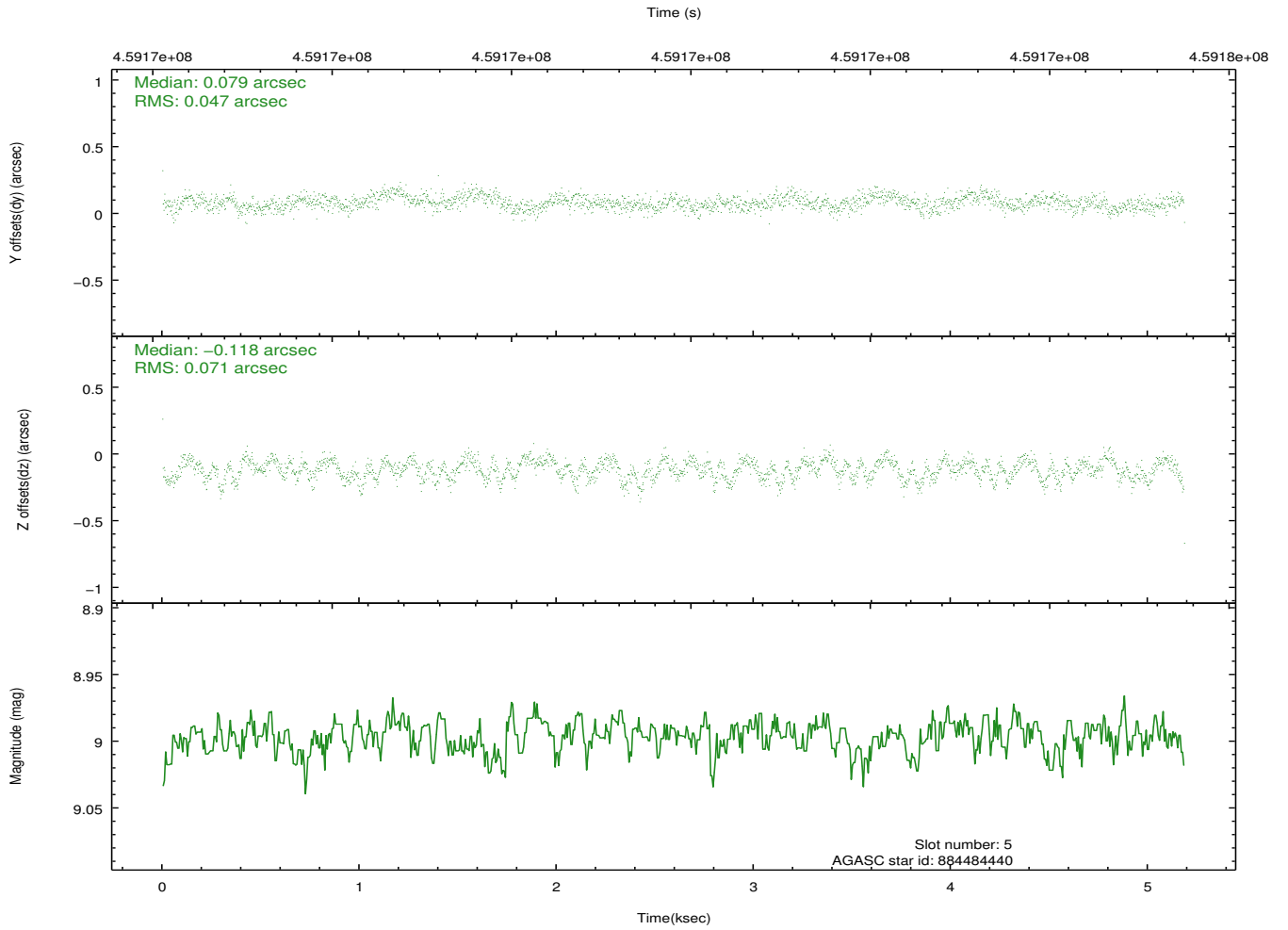
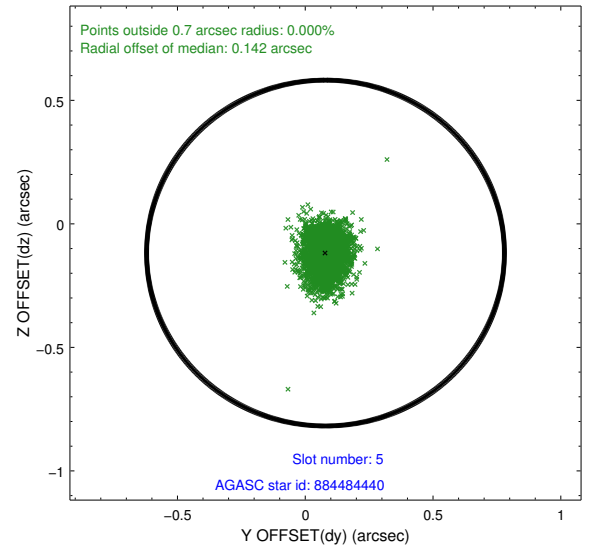
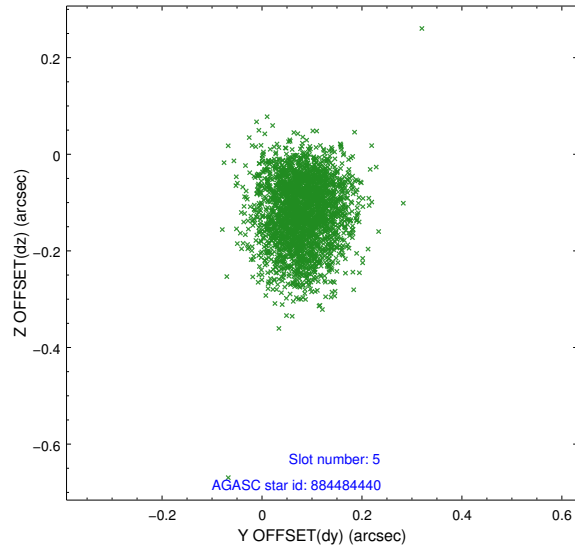
2.4.1 Slot 3



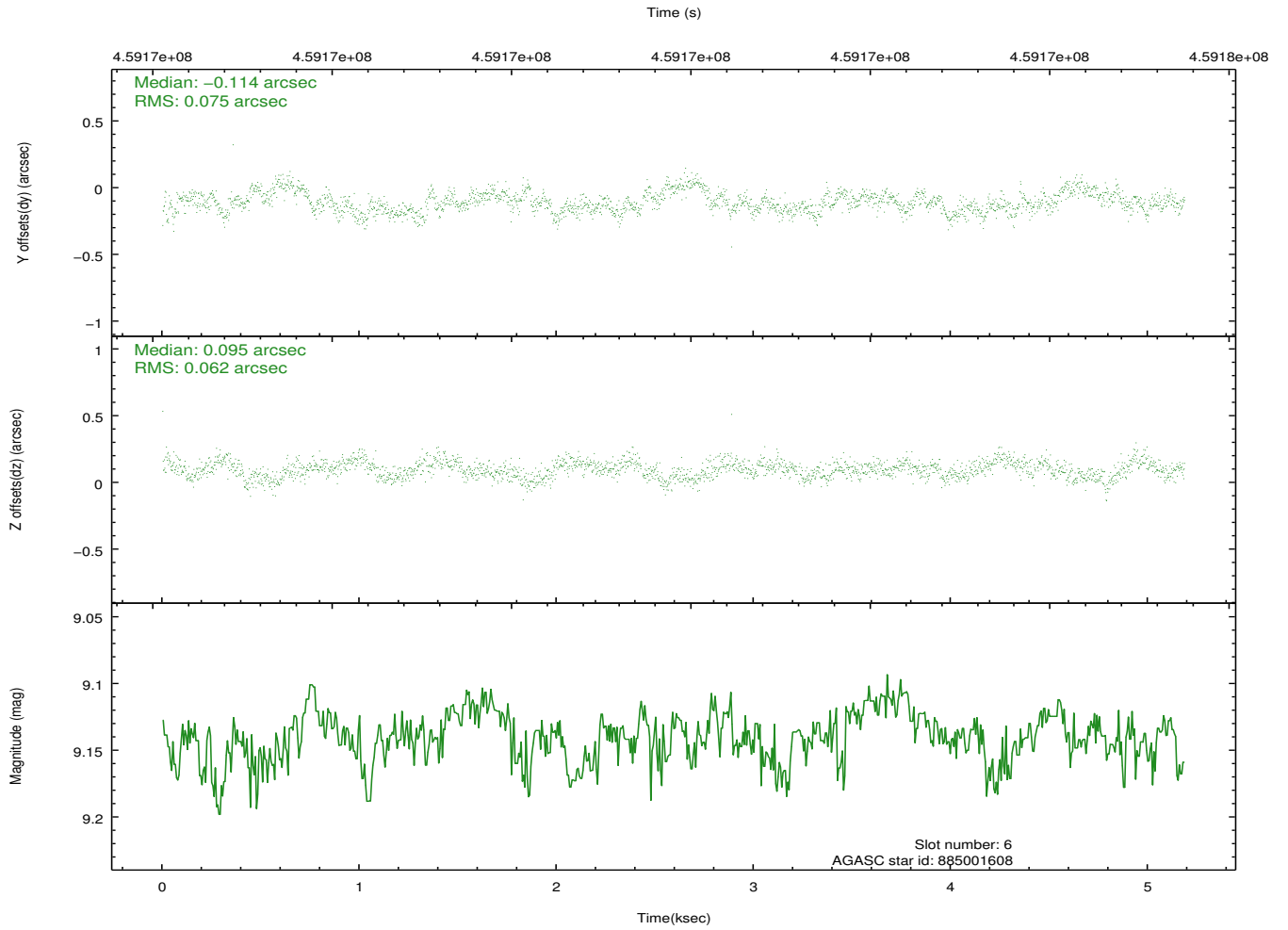
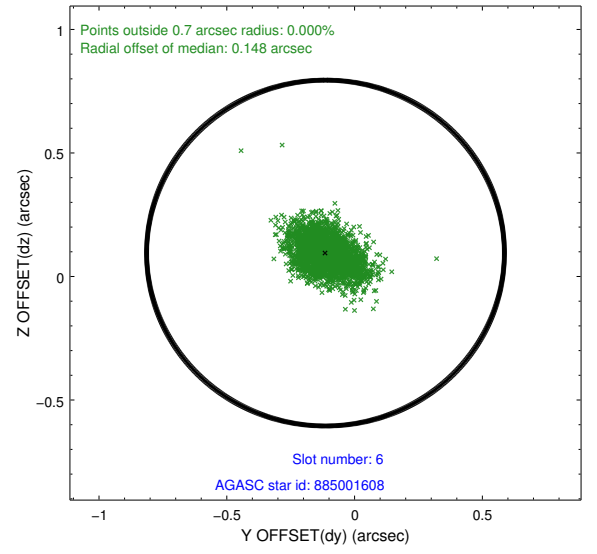
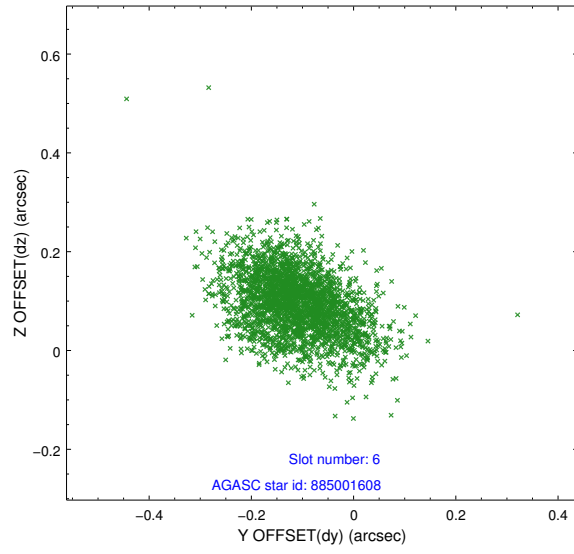
2.4.2 Slot 4



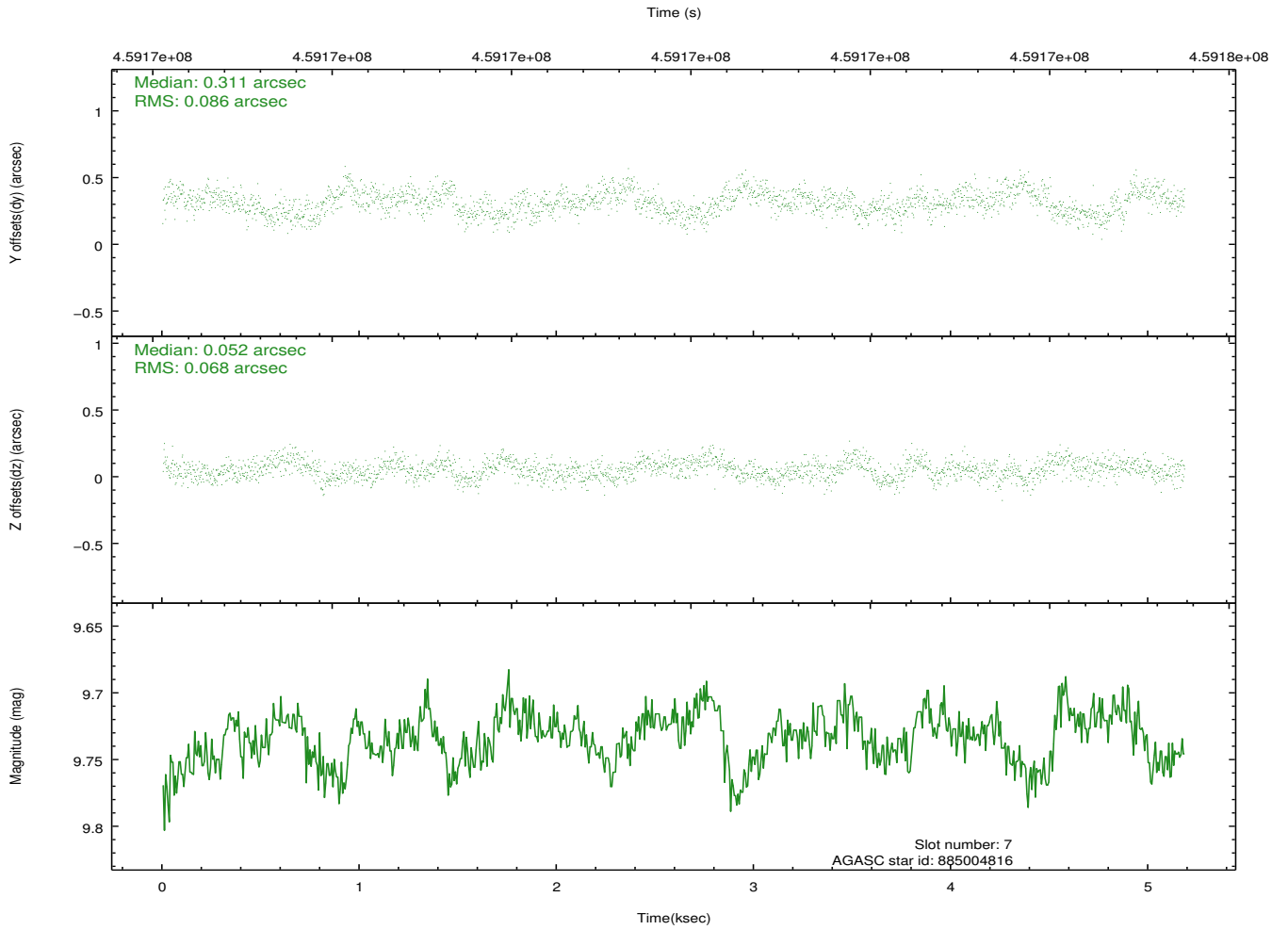
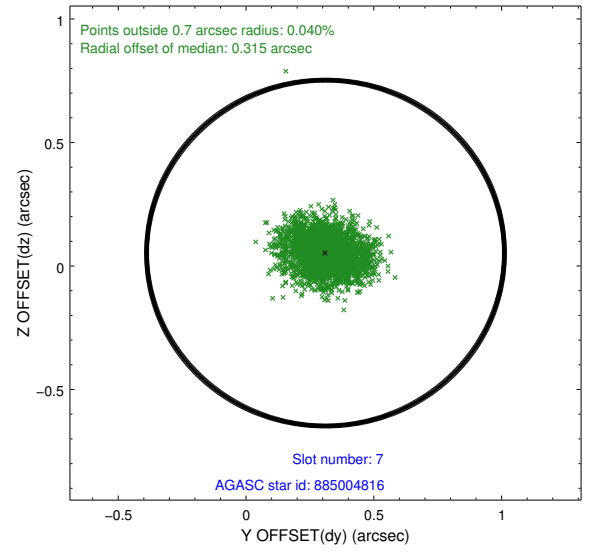
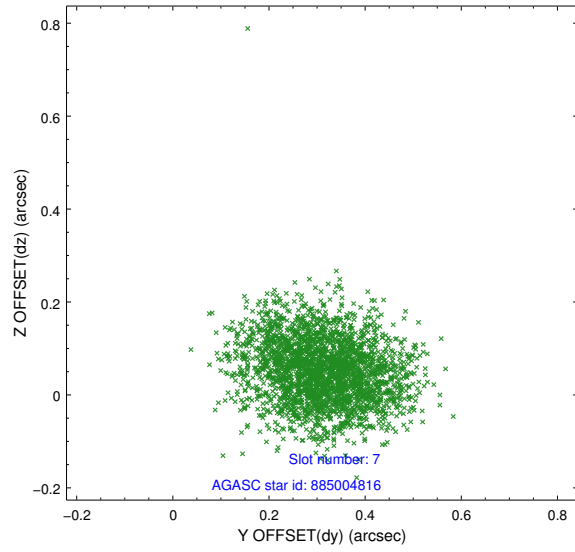
2.4.3 Slot 5



2.4.4 Slot 6

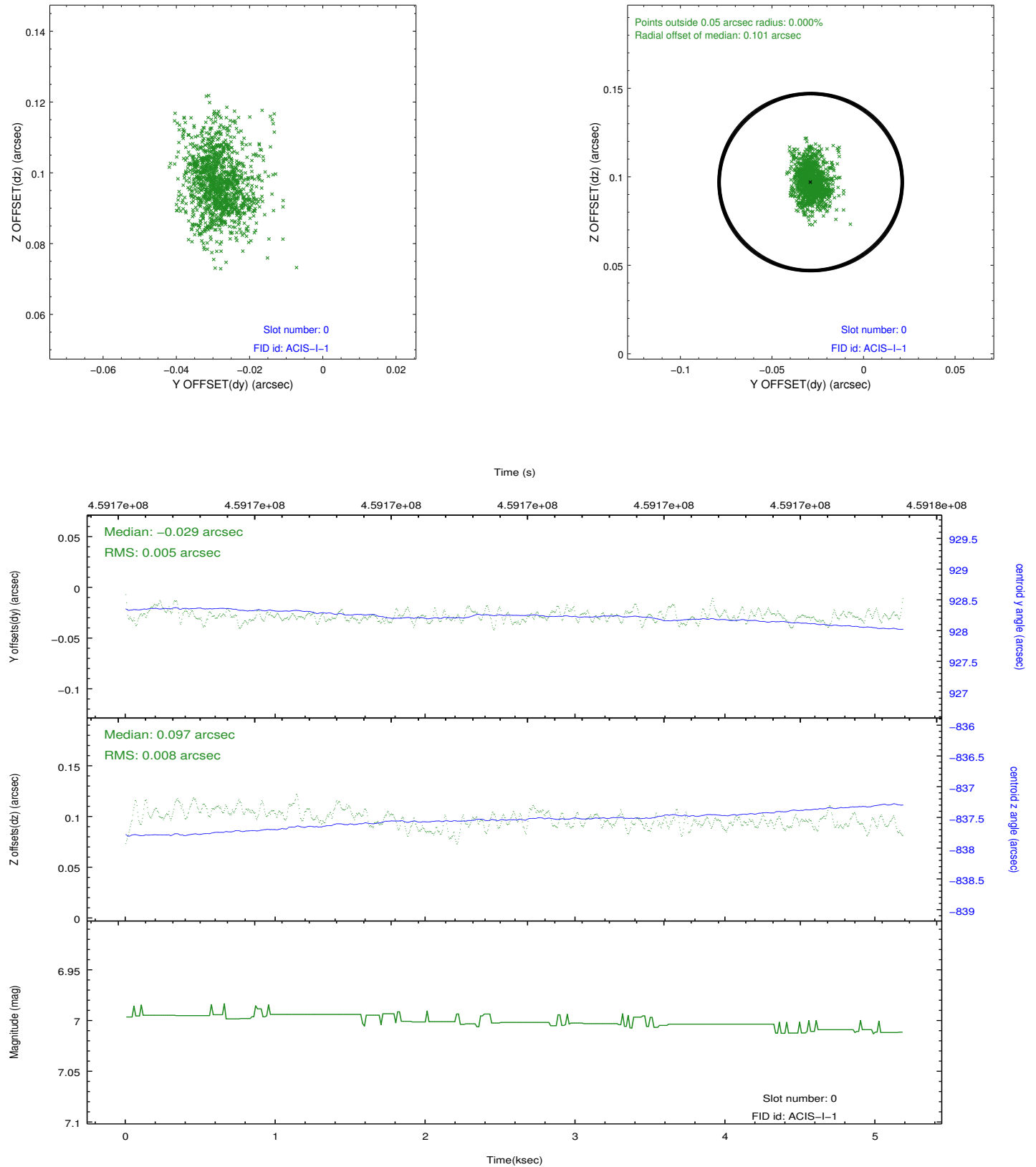


2.4.5 Slot 7

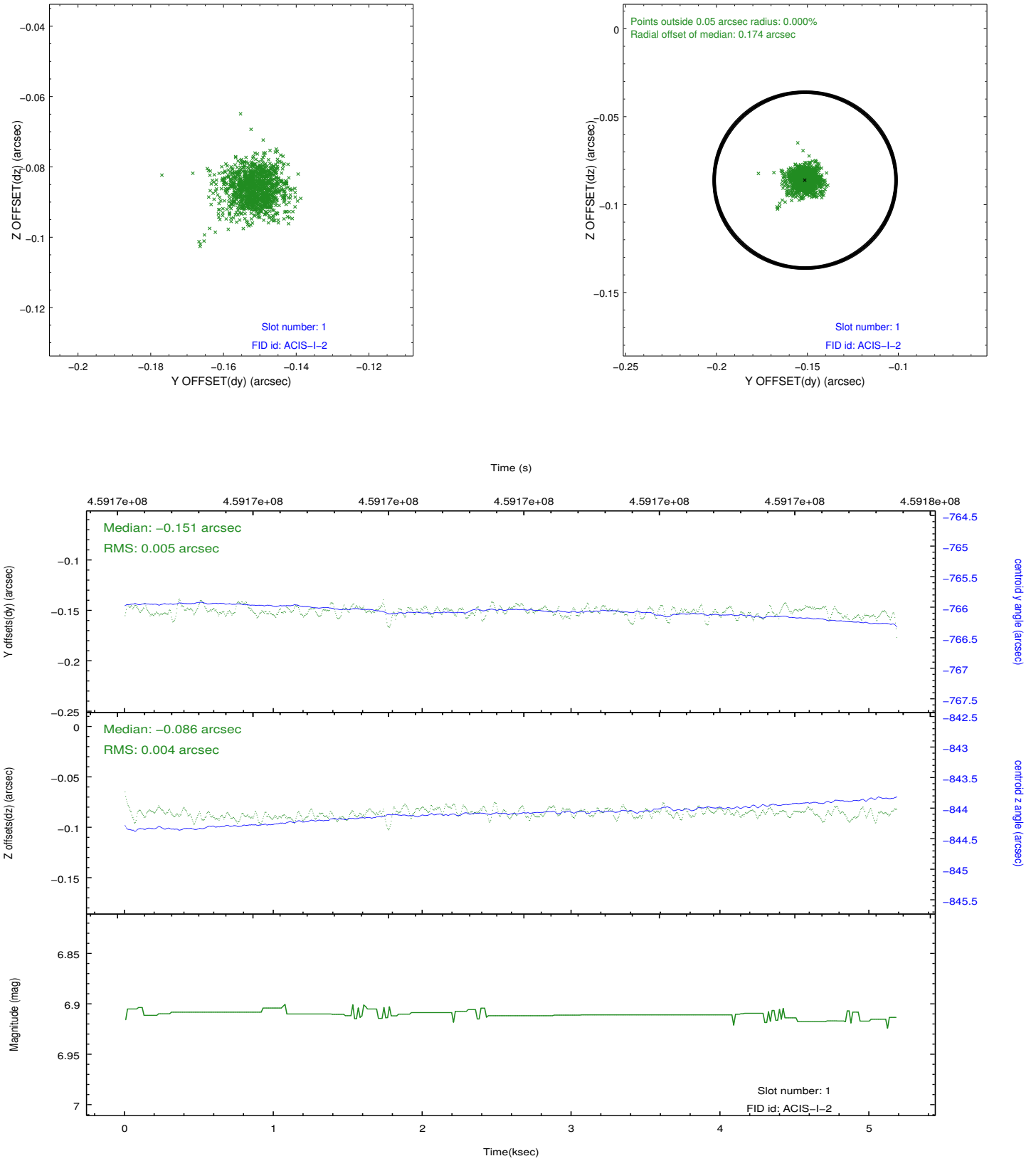


2.5 FID Slots

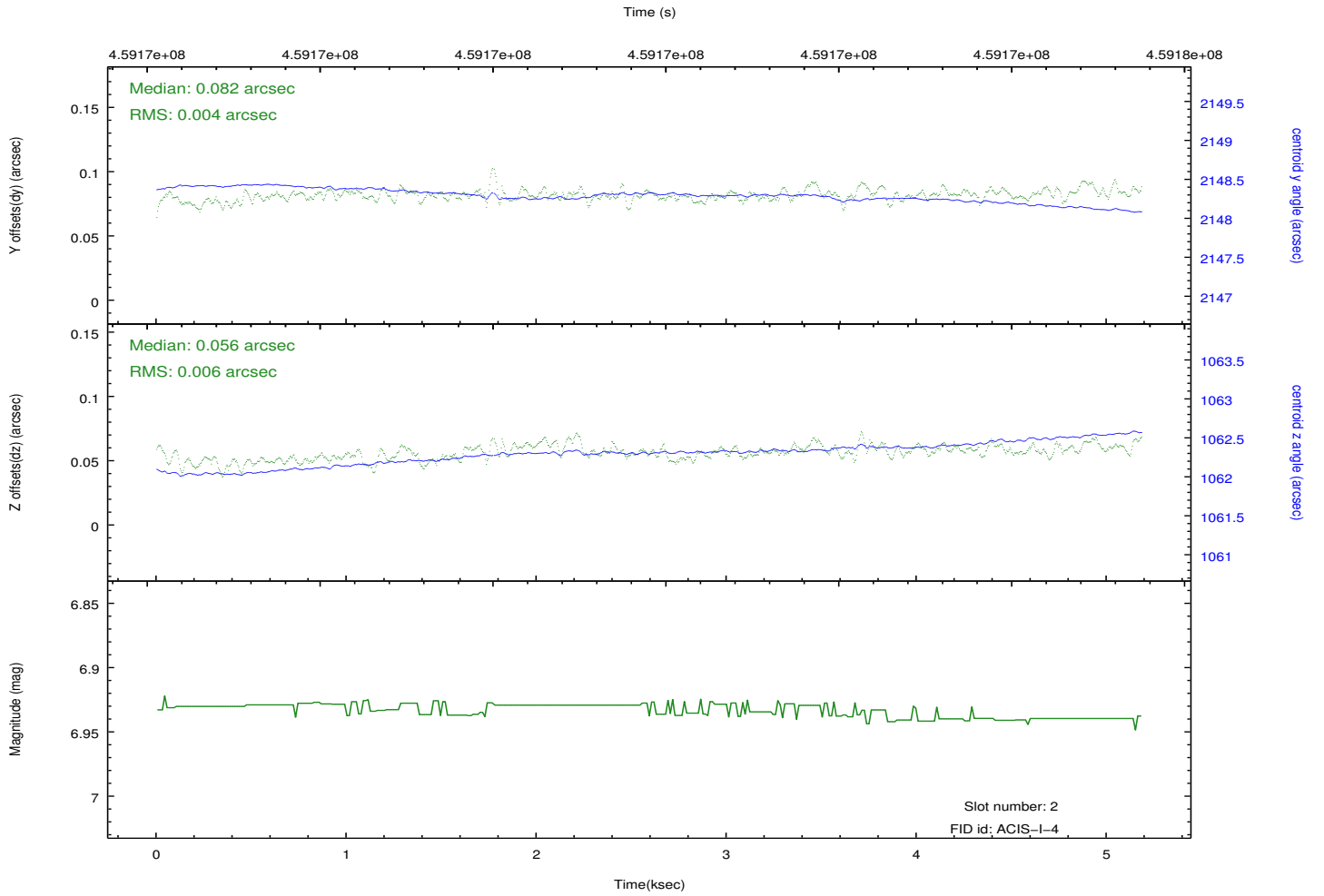
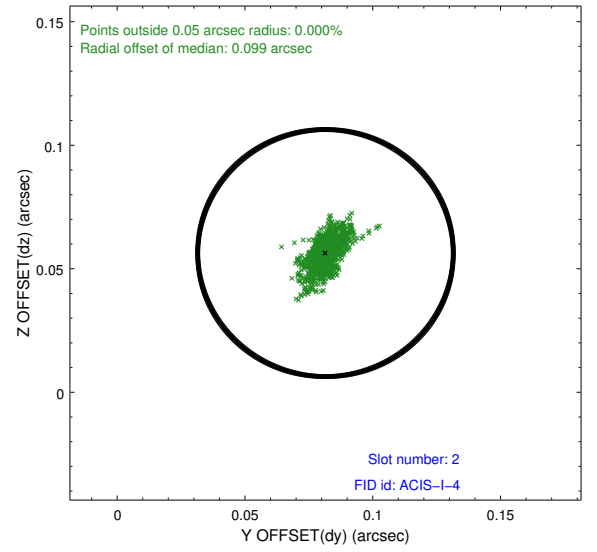
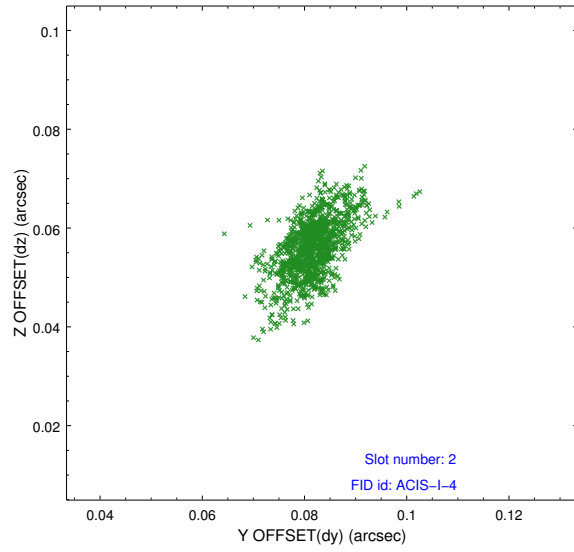
2.5.1 Slot 0



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)	2012.07.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0890195151567

A.2 Comments