

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9444 - L2 Version 2
Chandra X-Ray Center

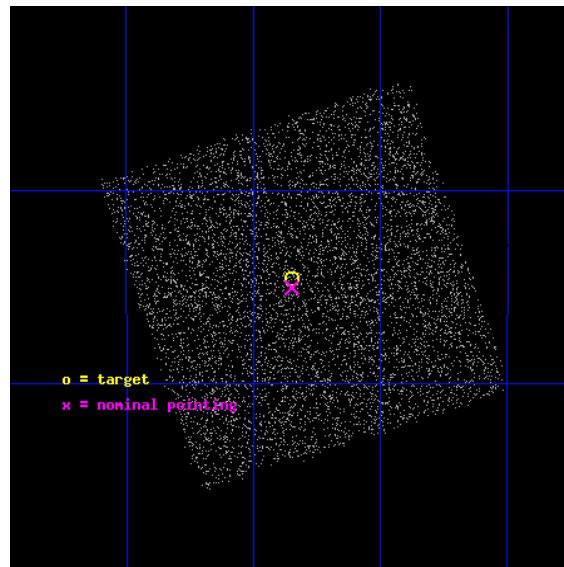
L2 Processing Date : May 16 2012

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1 Front

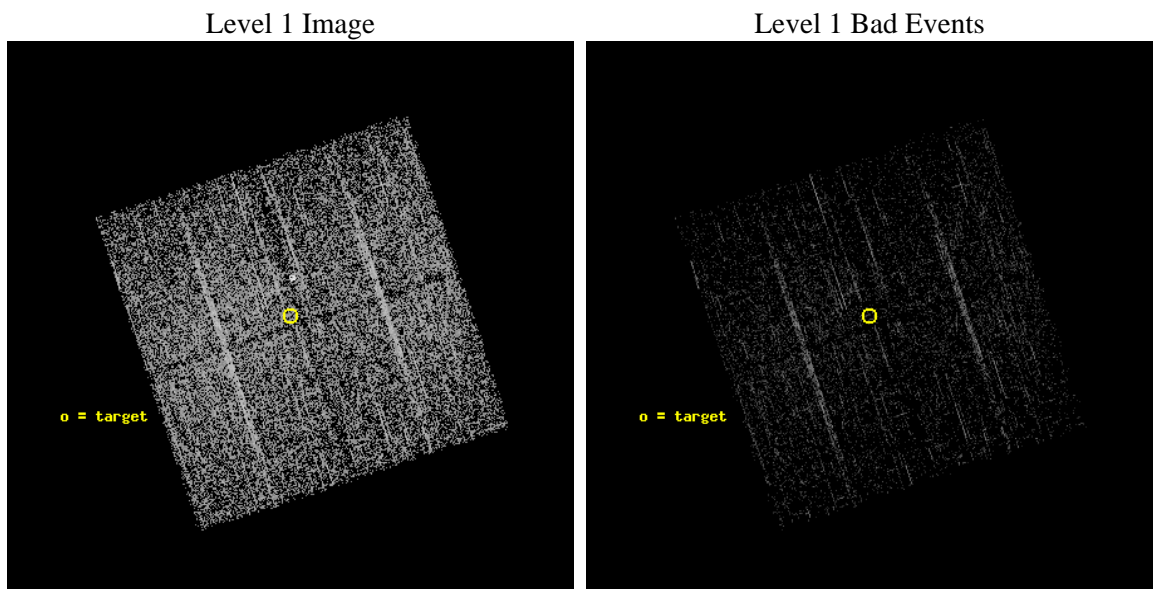
seq_num	900790	Sequence number
obs_id	9444	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	IGR J12078-2735	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.9625	Observer's specified target RA [deg]
dec_targ	-27.576111	Observer's specified target Dec [deg]
ra_nom	181.9622030951	Nominal RA [deg]
dec_nom	-27.584168358616	Nominal Dec [deg]
roll_nom	251.67485409041	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1970.1982955933	Sum of GTIs [s]
livetime	1944.4562044225	Livetime [s]
ontime0	1970.0751755834	Sum of GTIs [s]
ontime1	1970.1162155867	Sum of GTIs [s]
ontime2	1970.15725559	Sum of GTIs [s]
ontime3	1970.1982955933	Sum of GTIs [s]
l2events	7790	Number of level 2 events



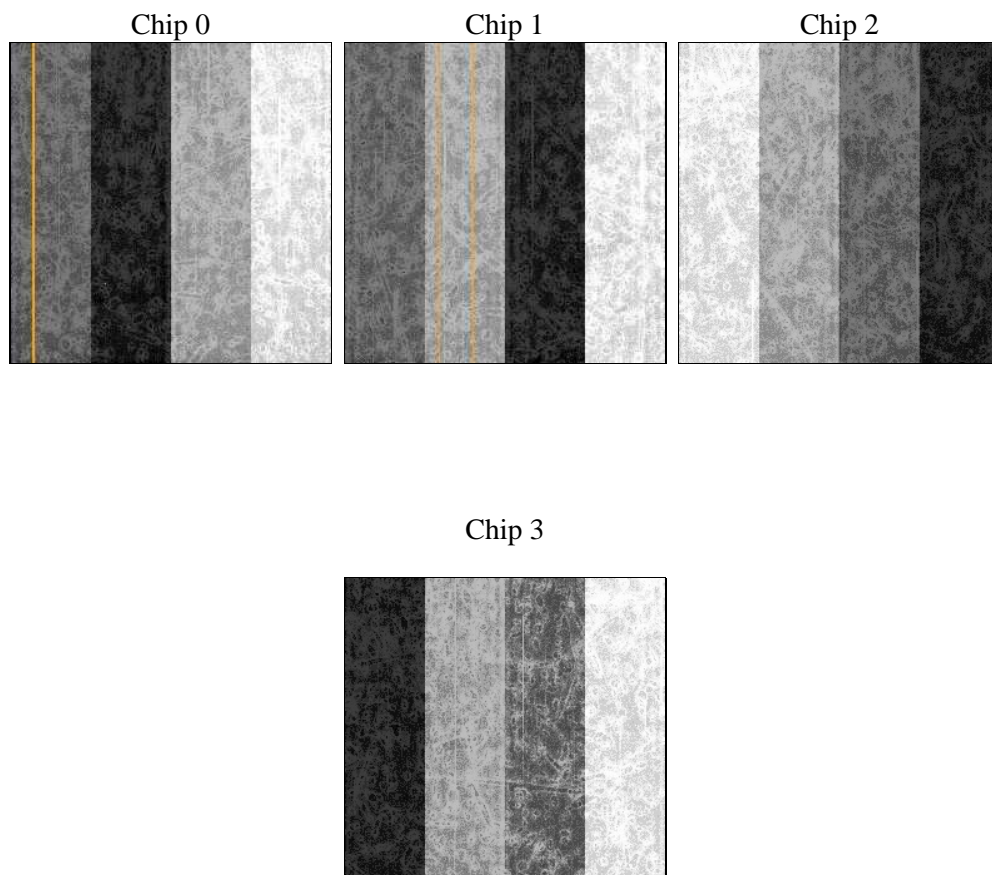
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1970.1982955933	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	1970.0751755834	Sum of GTIs [s]
date	2012-05-16T14:28:43	Date and time of file creation	ontime1	1970.1162155867	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1970.15725559	Sum of GTIs [s]
			ontime3	1970.1982955933	Sum of GTIs [s]
			l1events	70348	Number of level 1 events

2.1.4 Events

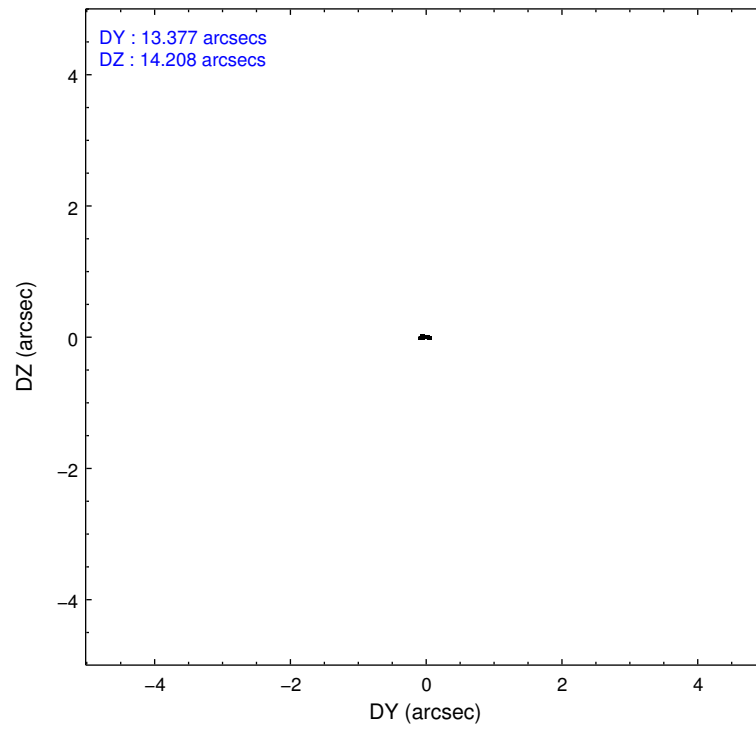
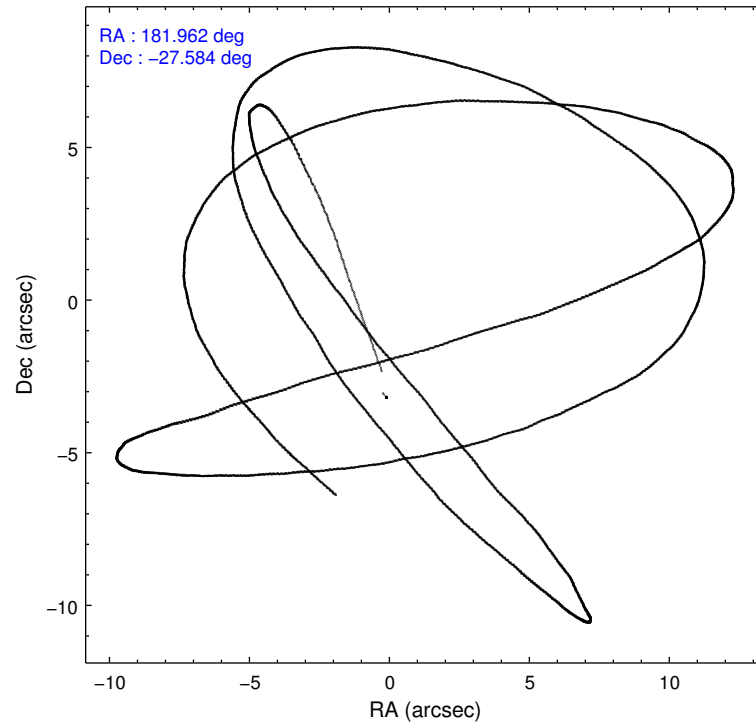
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	16818	17200	18093	18237
rejected events	14471	14343	15811	16018
rejected %	86%	83%	87%	87%

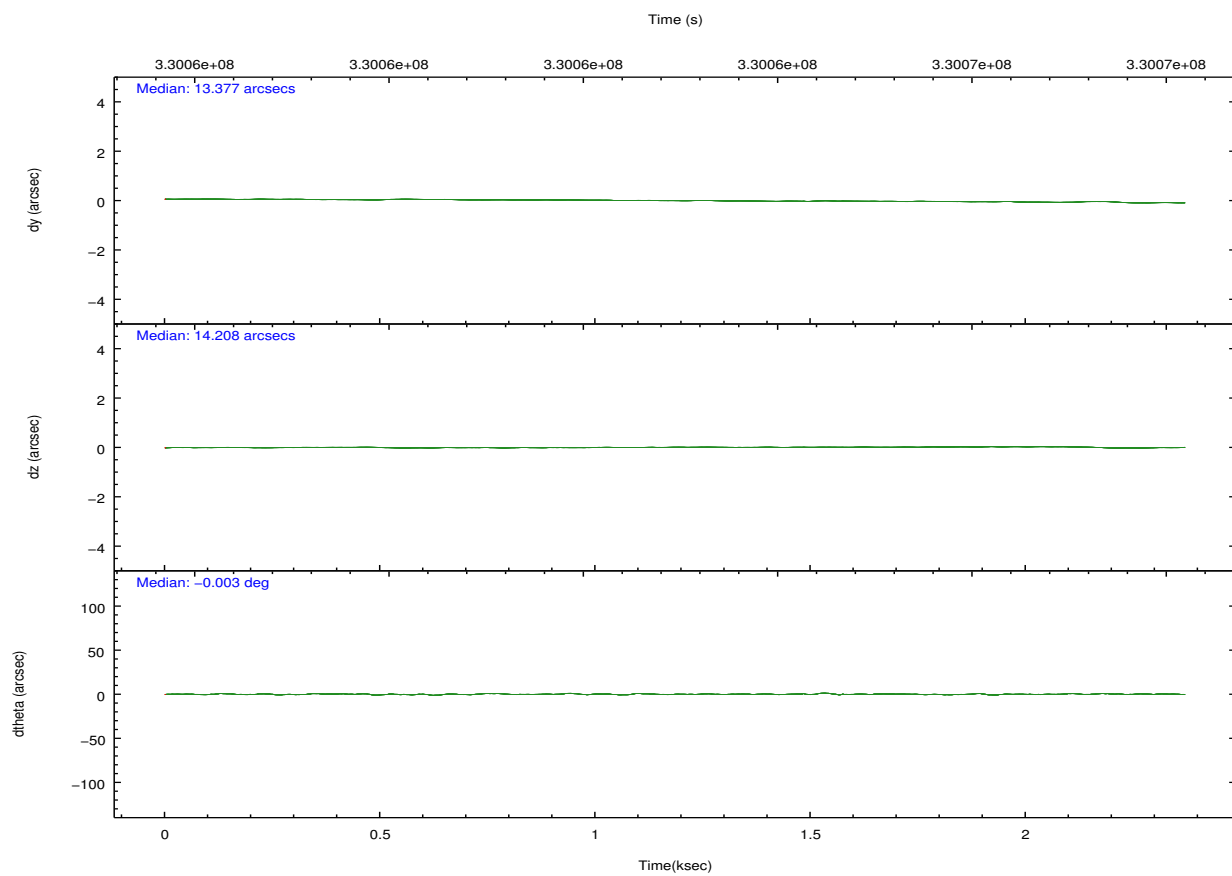
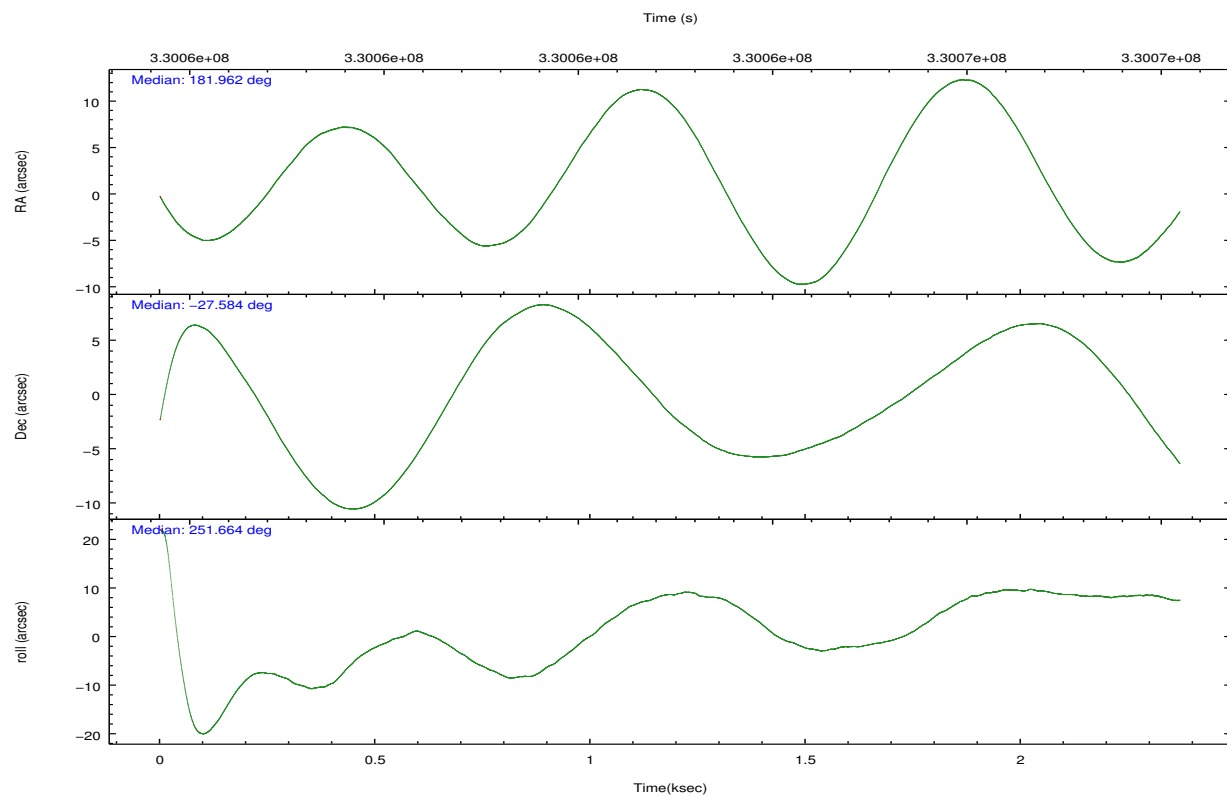
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	998	1444	1015	997
	5%	8%	5%	5%
grade 1 events	9	8	11	8
	0%	0%	0%	0%
grade 2 events	541	539	474	460
	3%	3%	2%	2%
grade 3 events	230	212	208	186
	1%	1%	1%	1%
grade 4 events	226	214	207	205
	1%	1%	1%	1%
grade 5 events	772	789	709	864
	4%	4%	3%	4%
grade 6 events	360	463	384	376
	2%	2%	2%	2%
grade 7 events	13682	13531	15085	15141
	81%	78%	83%	83%

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	181.955940	181.9622030951027	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.557281	-27.58416835861645	Alternating exposures requested	N	N
[deg] Pointing Roll	251.463024	251.6748540904147	[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)	330063743.184000	330062813.37216			
Observation start date	2008-06-17T04:21:18	2008-06-17T04:06:53			
[s] Observation end time (MET)	330065923.184000	330066842.64736			
Observation end date	2008-06-17T04:57:38	2008-06-17T05:14:02			
Read mode	TIMED	TIMED			

2.3 Aspect



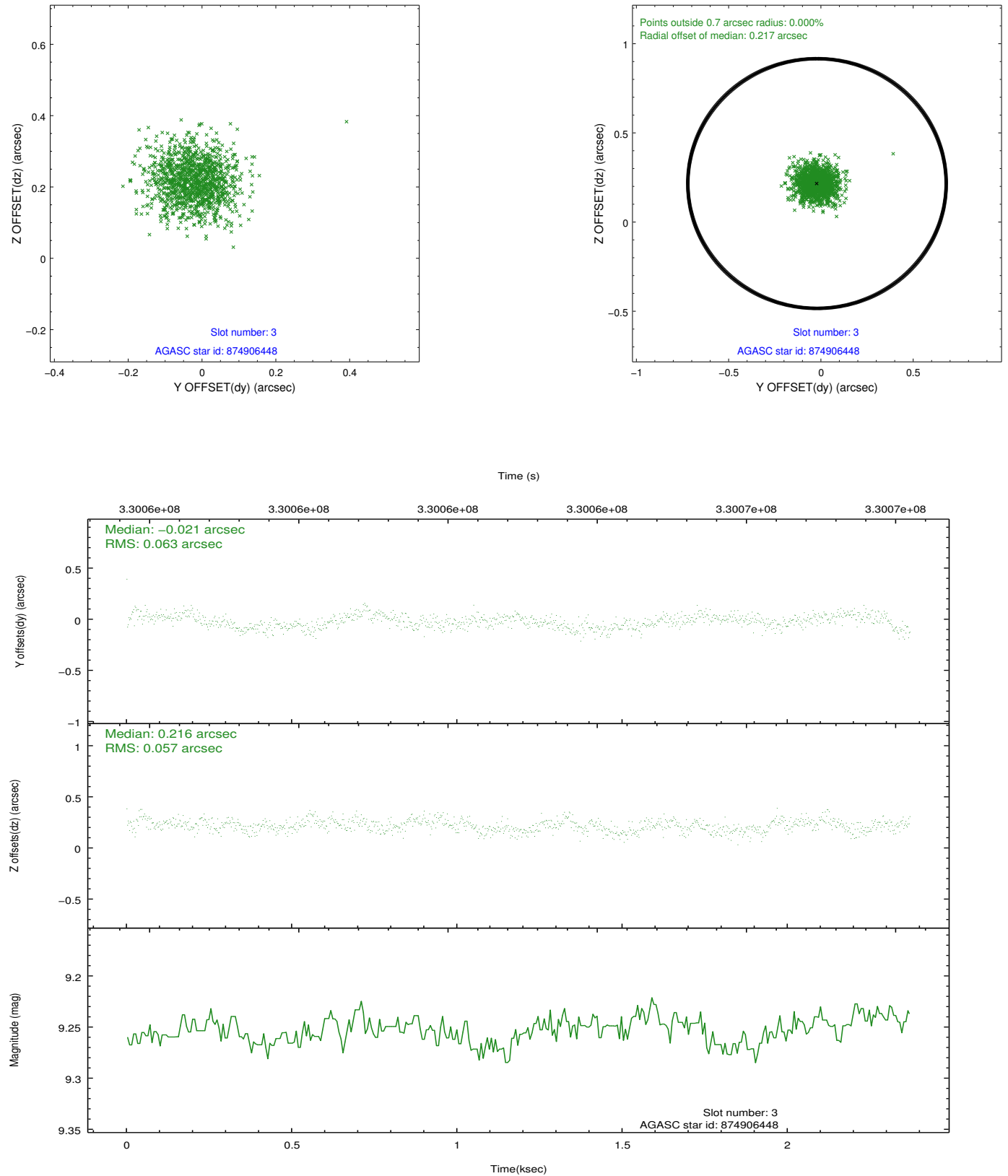


Slot Statistics

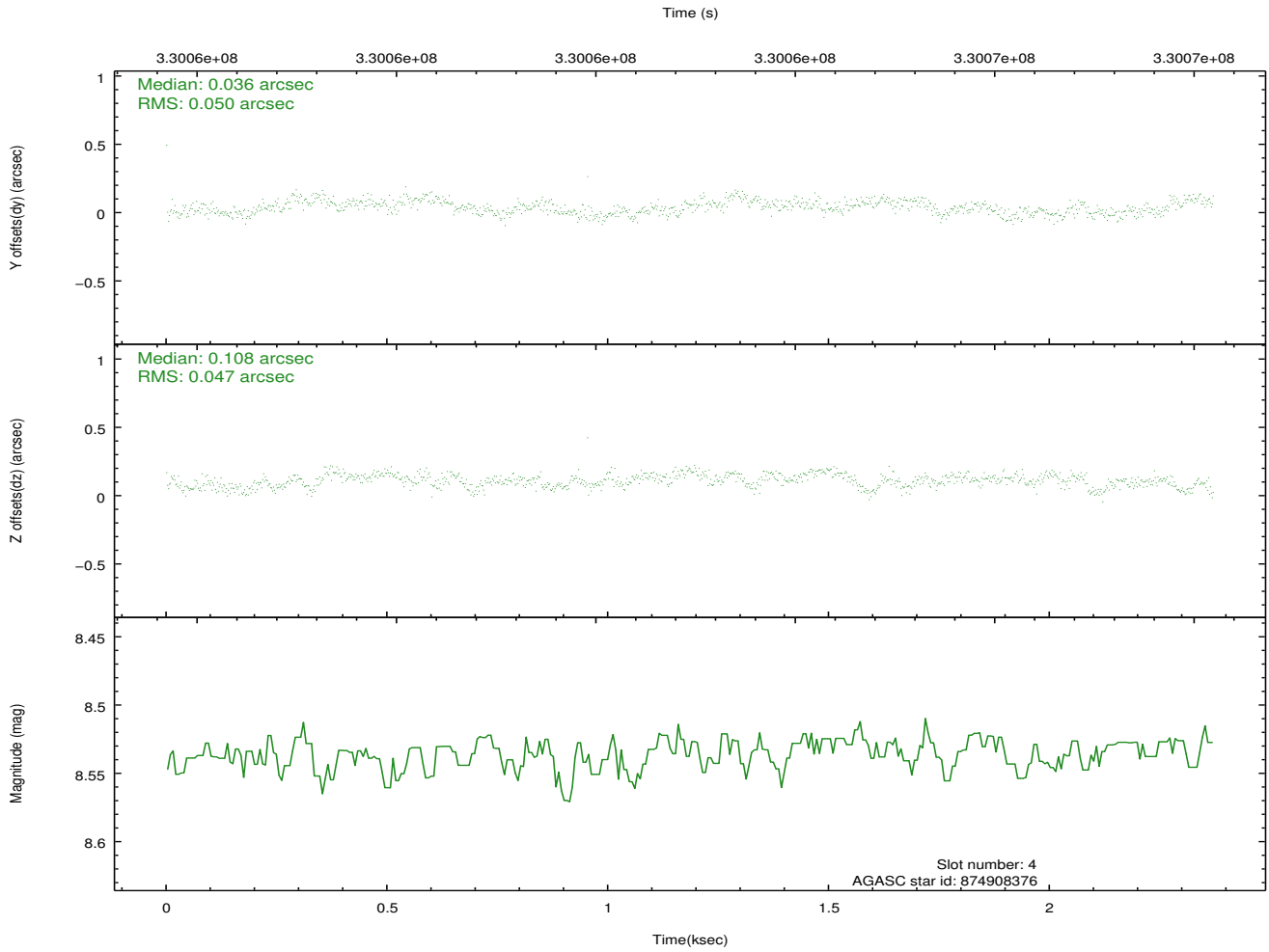
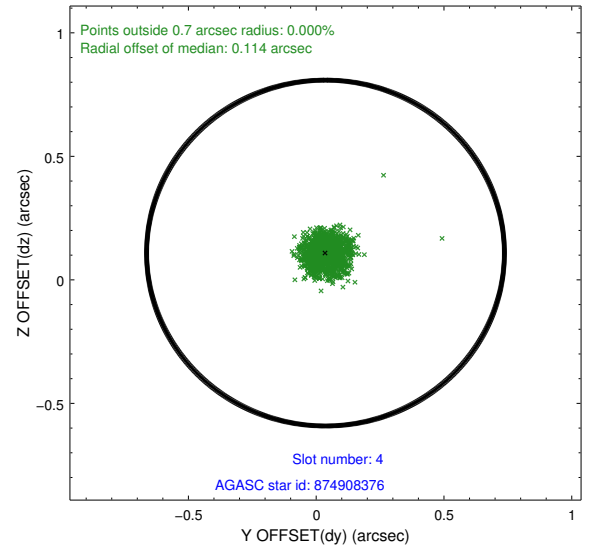
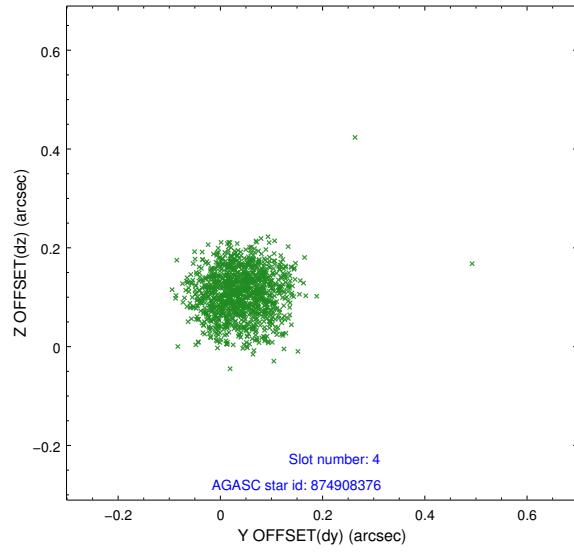
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	579	0.016	0.029	0.006	0.012	0.000000	0.000000	926.16	-837.74
1	FID	ACIS-I-5	7.03	579	-0.201	0.030	0.006	0.011	0.000000	0.000000	-1820.68	1058.34
2	FID	ACIS-I-6	7.04	579	0.094	0.011	0.007	0.011	0.000000	0.000000	388.77	1705.95
3	GUIDE	874906448	9.25	1157	-0.021	0.216	0.089	0.152	181.756423	-27.548910	174.96	-612.58
4	GUIDE	874908376	8.54	1157	0.036	0.108	0.073	0.109	181.832997	-27.390361	-443.99	-563.63
5	GUIDE	874913592	9.92	1157	-0.084	-0.209	0.121	0.198	181.622542	-26.854863	-2055.58	-1819.41
6	GUIDE	875037304	8.92	1154	-0.061	0.194	0.082	0.128	182.336724	-27.982203	1065.56	1632.95
7	GUIDE	875037064	8.08	1155	0.127	-0.308	0.048	0.079	182.125223	-28.022290	1417.72	1044.20

2.4 Star Slots

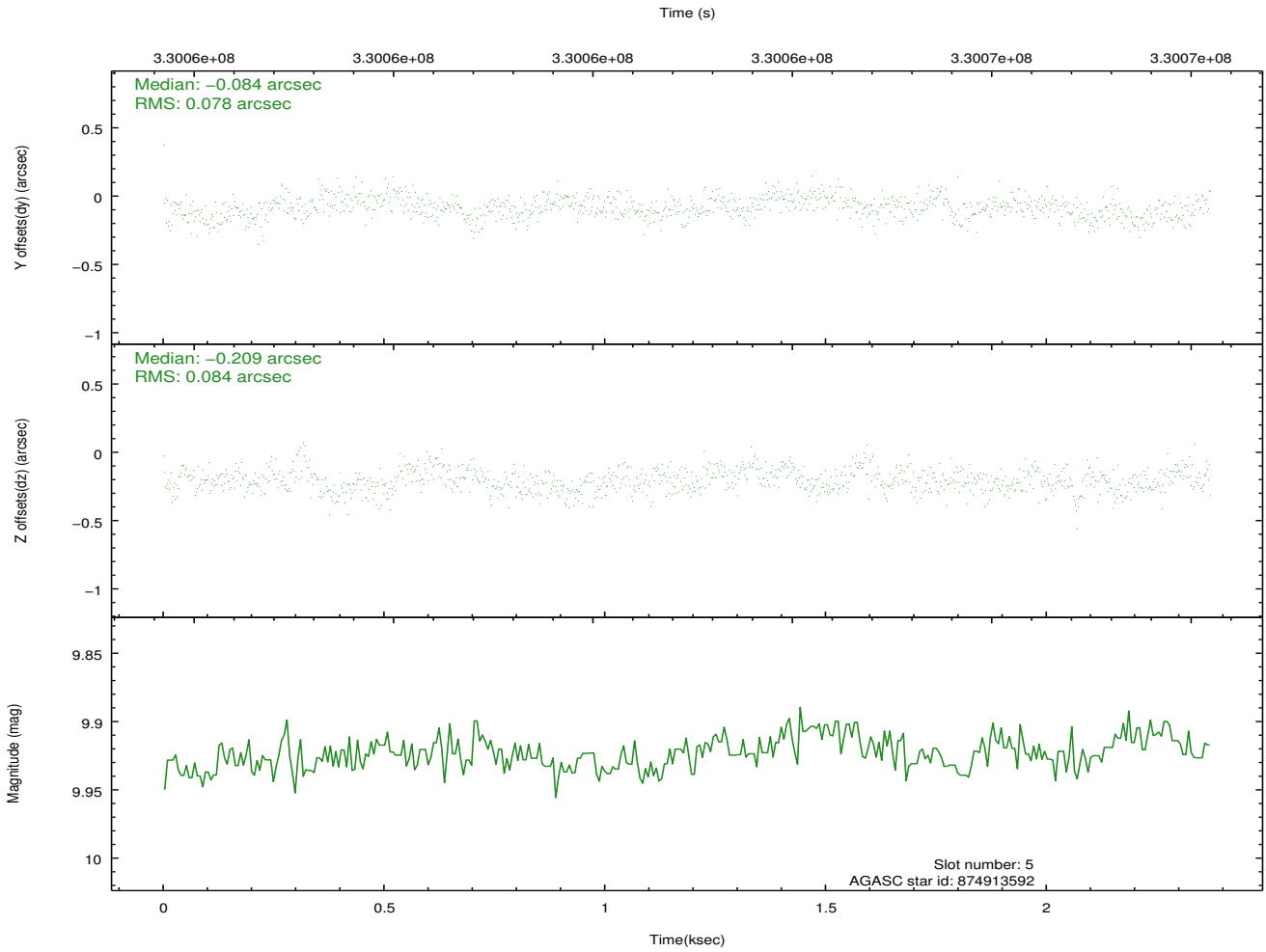
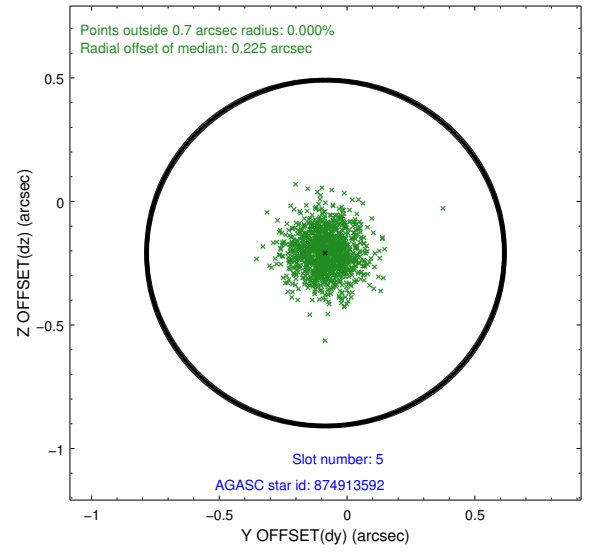
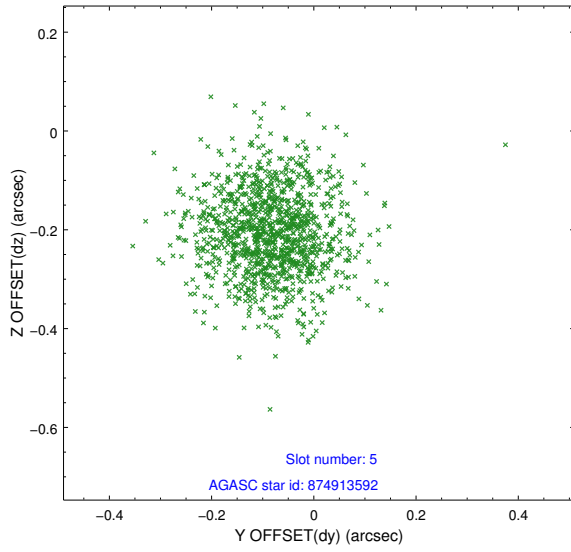
2.4.1 Slot 3



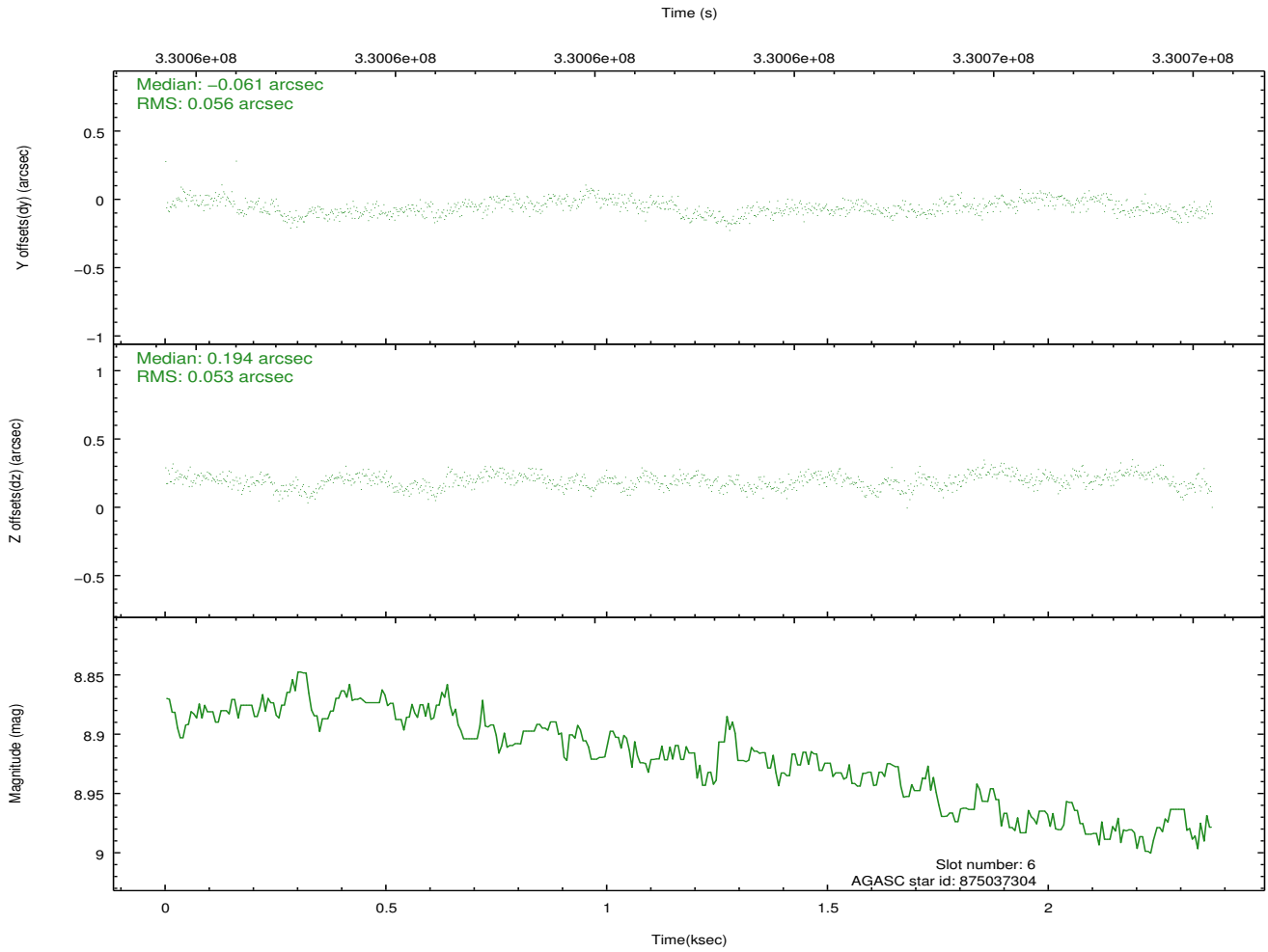
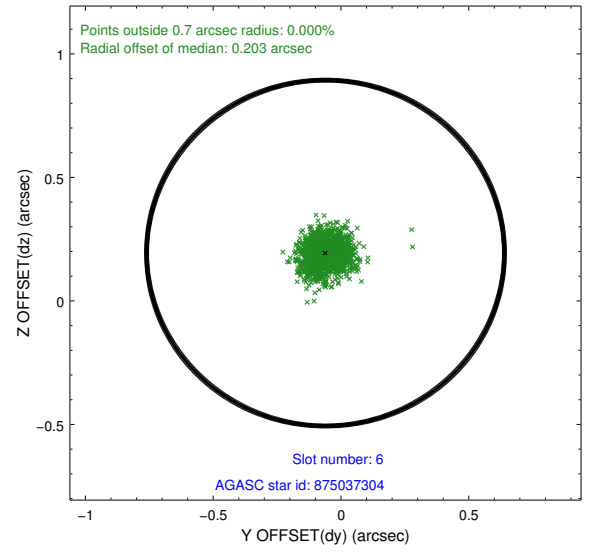
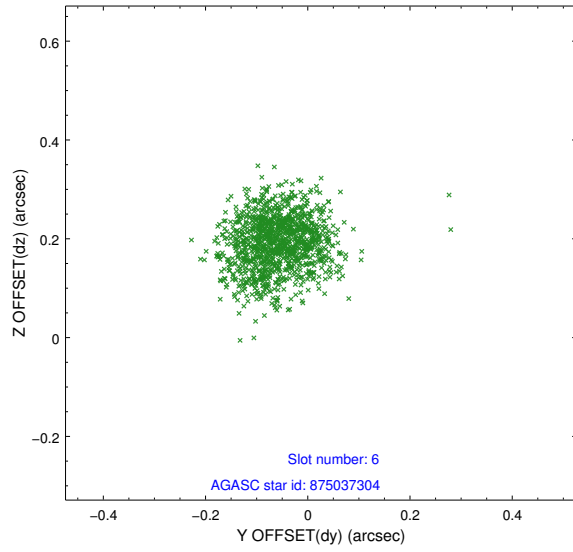
2.4.2 Slot 4



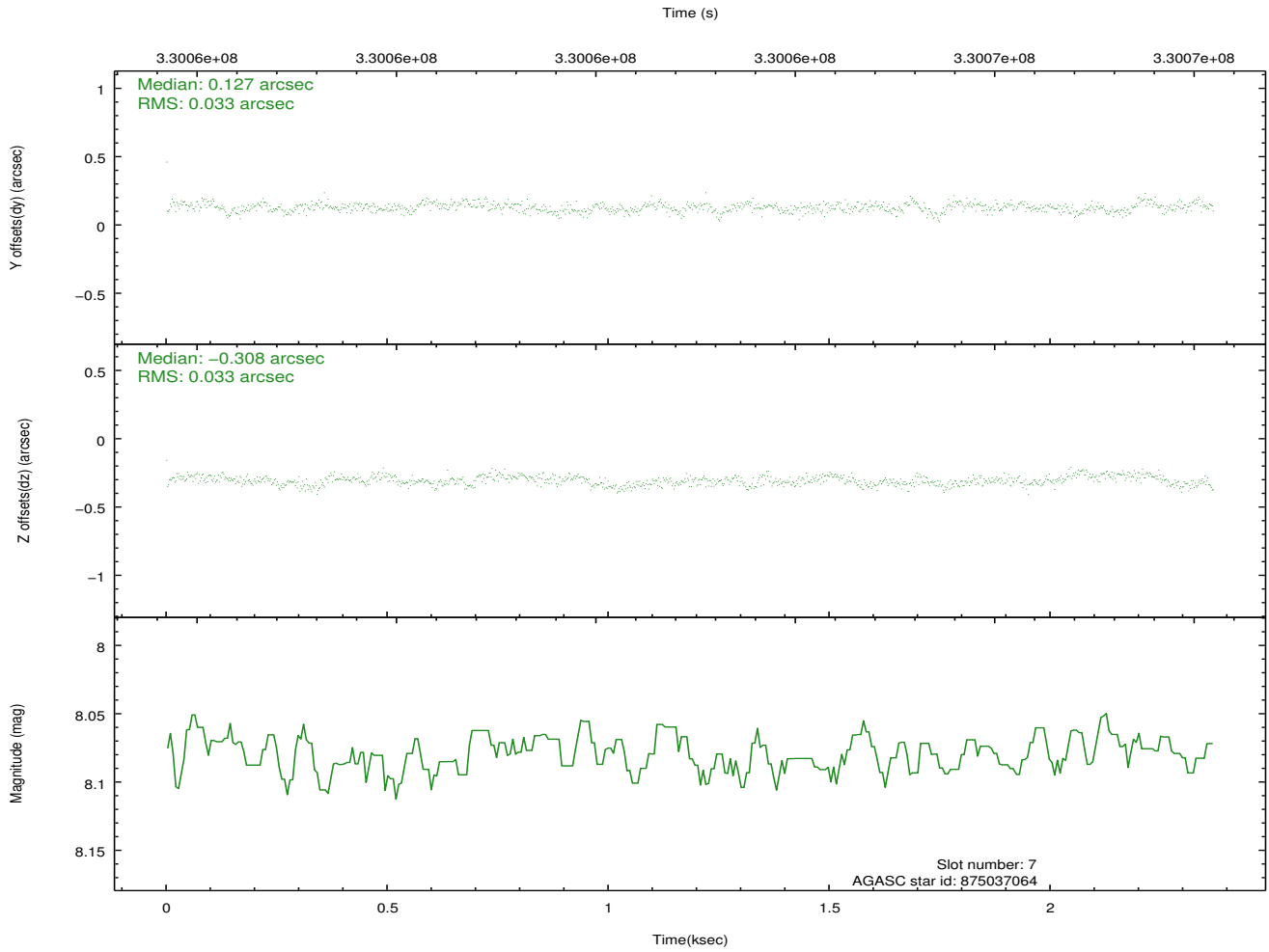
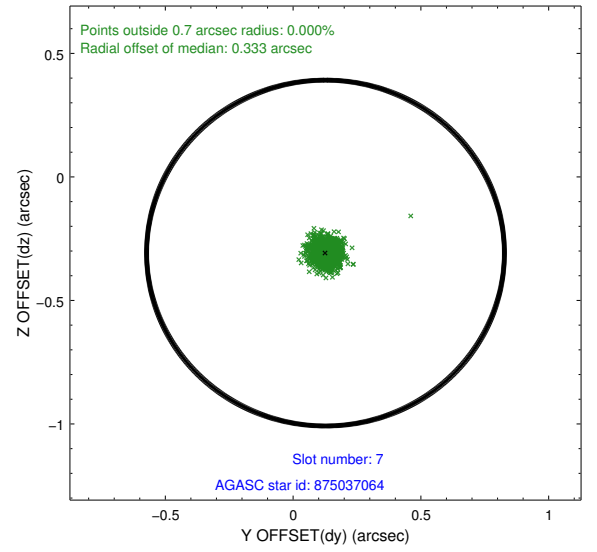
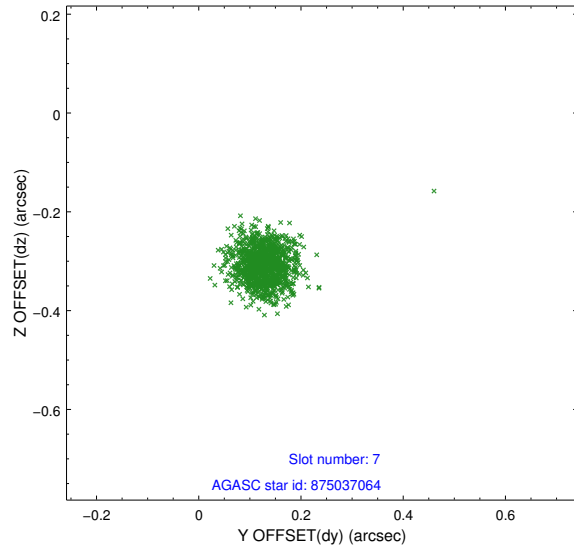
2.4.3 Slot 5



2.4.4 Slot 6

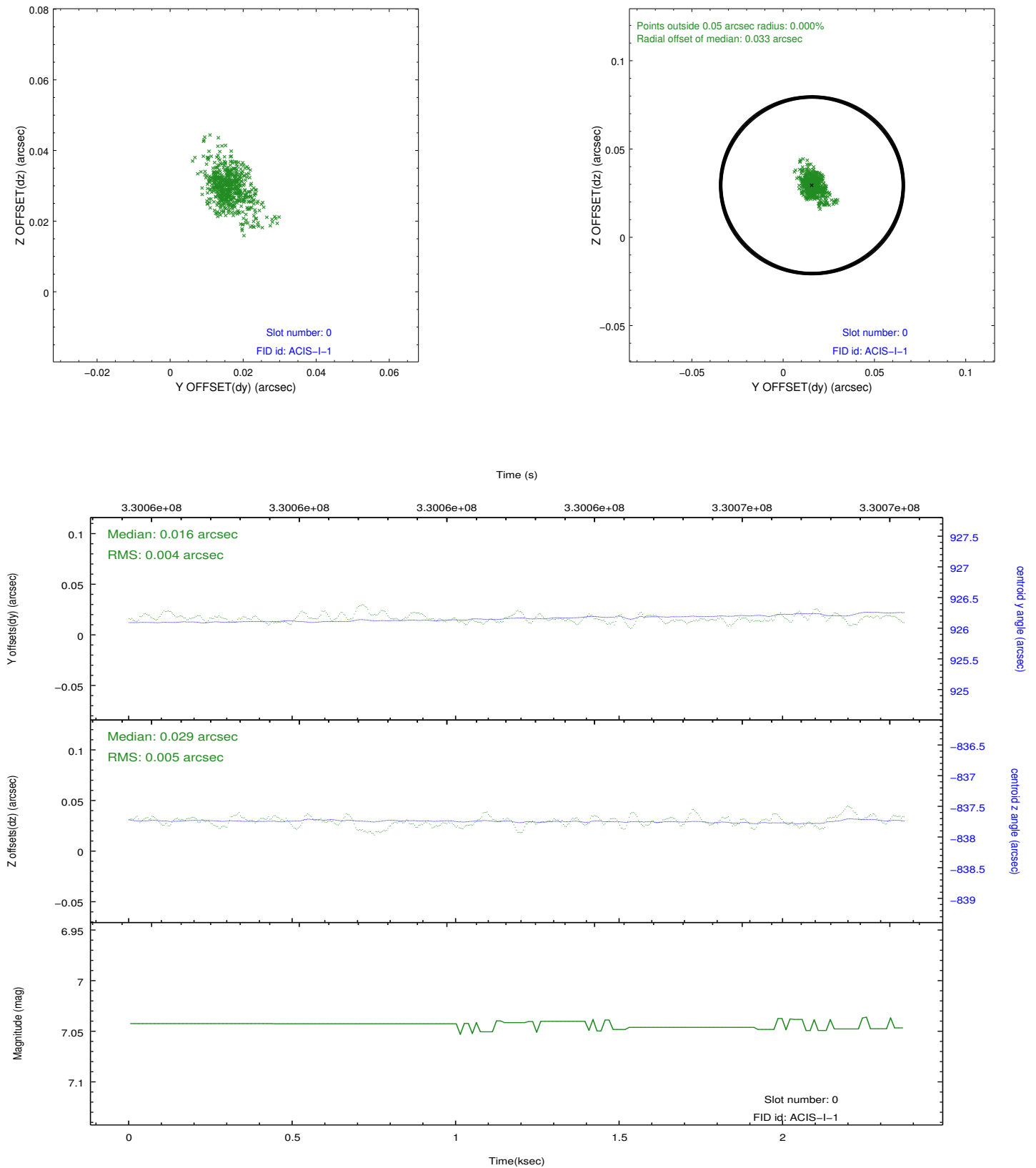


2.4.5 Slot 7

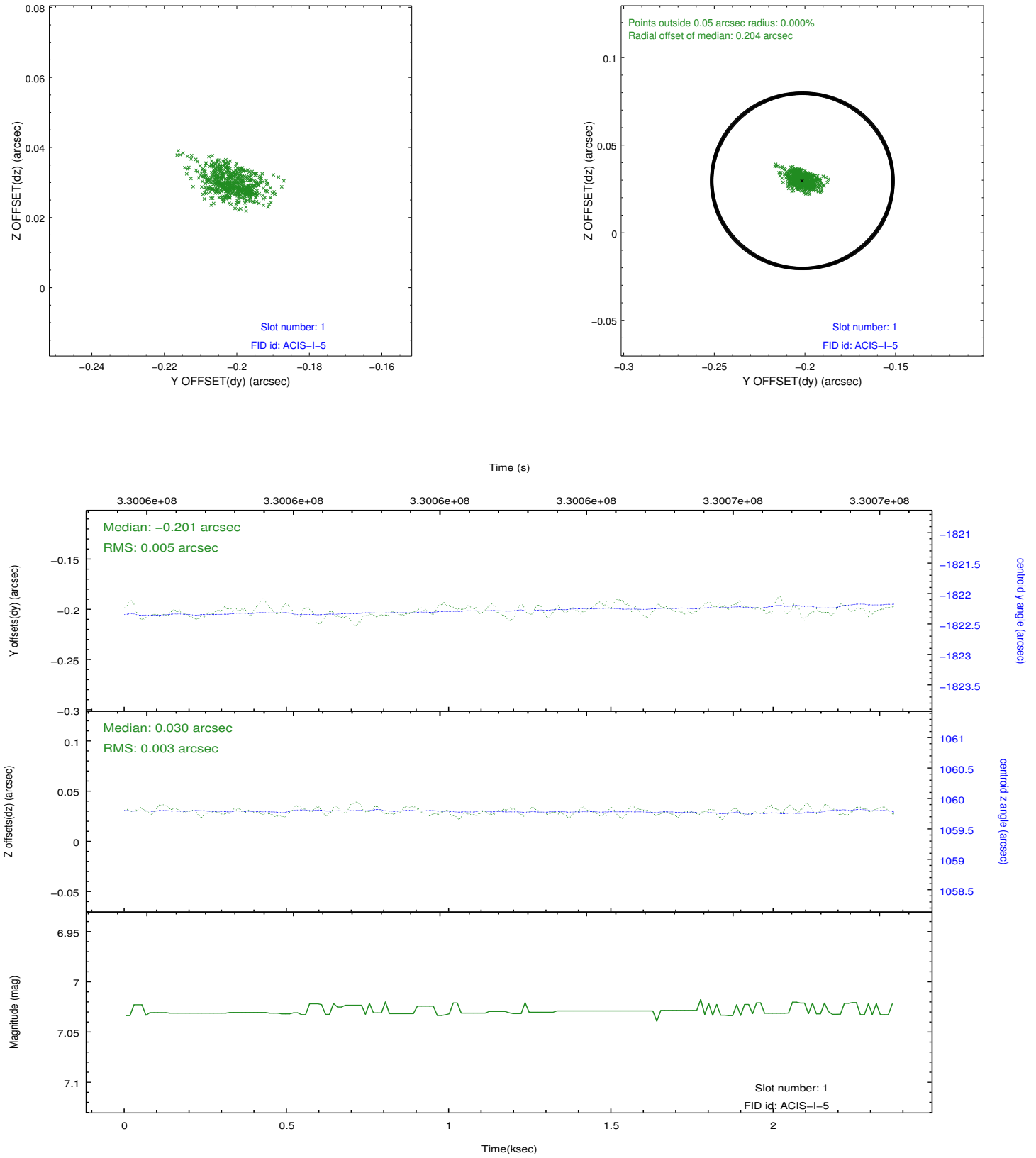


2.5 FID Slots

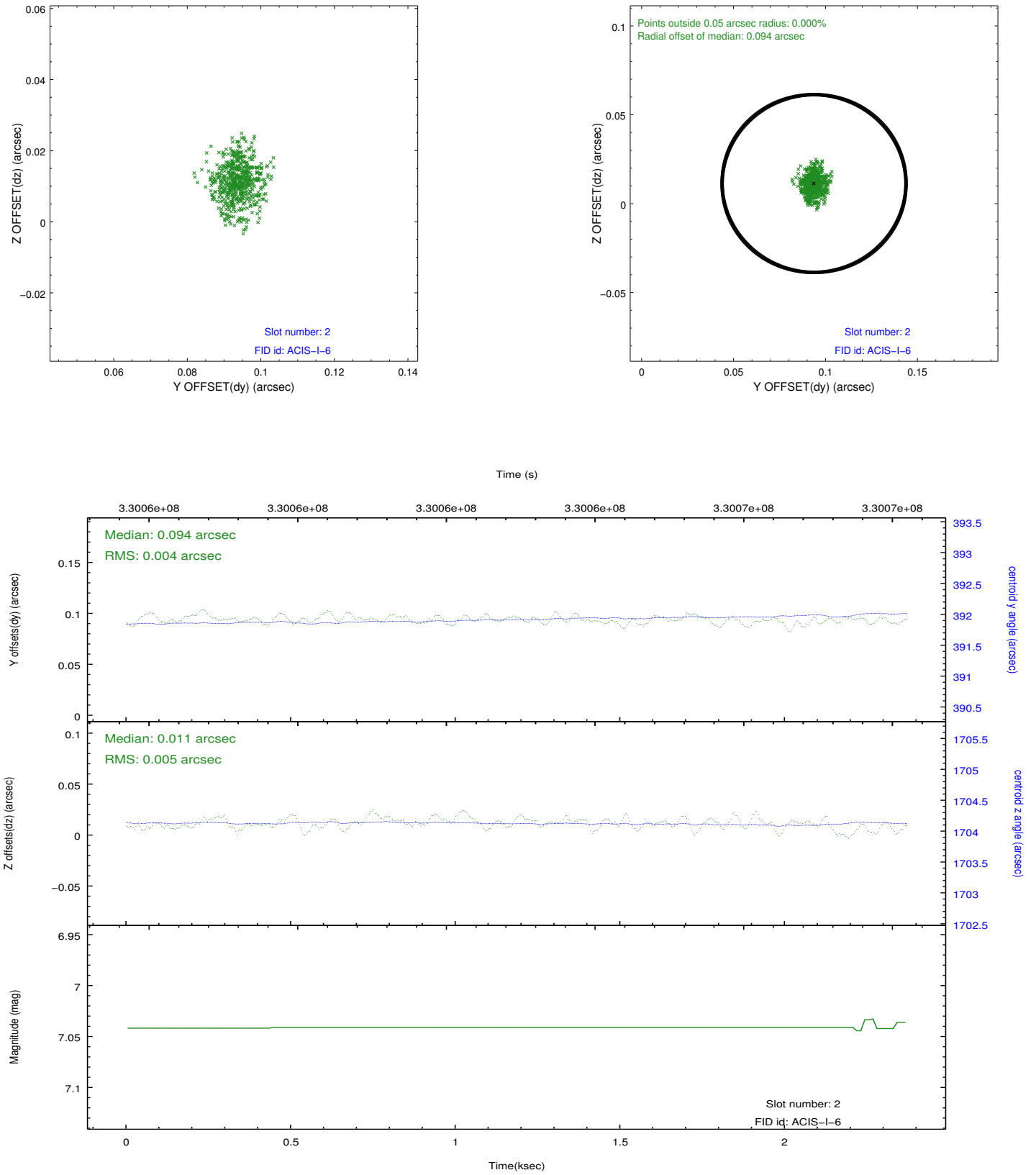
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.97160001

A.2 Comments