

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13774 - L2 Version 1
Chandra X-Ray Center

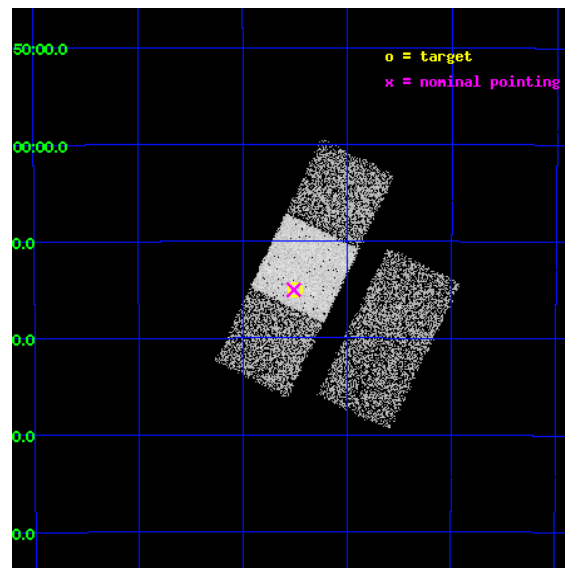
L2 Processing Date : Jul 8 2012

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1 Front

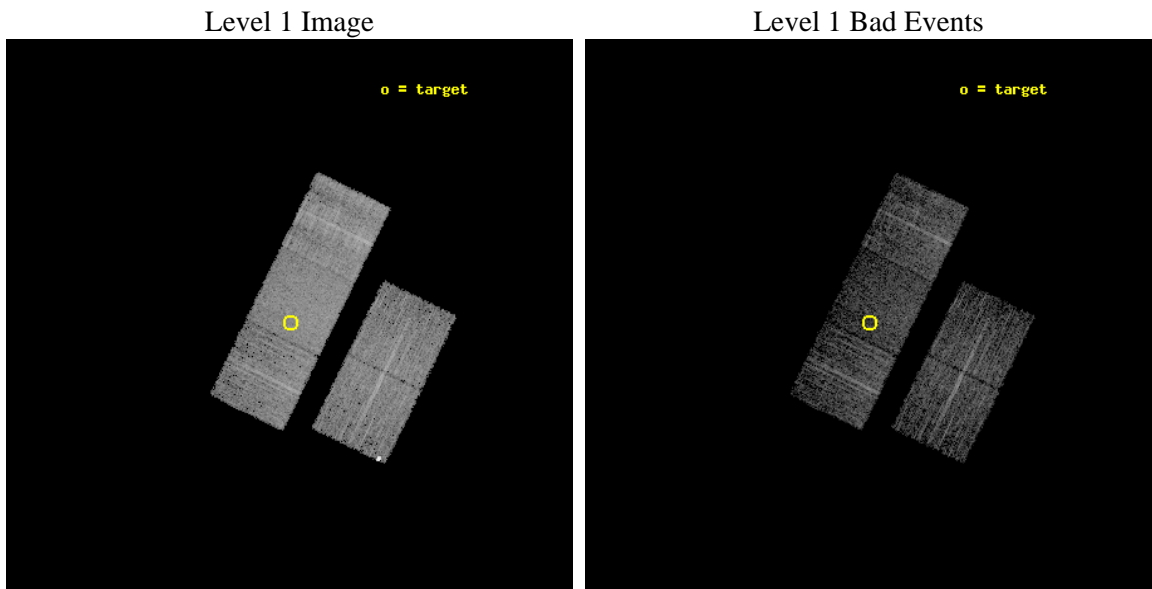
seq_num	501606	Sequence number
obs_id	13774	Observation id
title	Hunting for Anti-magnetars with Chandra	Proposal title
observer	Dr Chi-Yung Ng	Principal investigator
object	PSR J1653-4315	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	253.37375	Observer's specified target RA [deg]
dec_targ	-43.250278	Observer's specified target Dec [deg]
ra_nom	253.37797349826	Nominal RA [deg]
dec_nom	-43.250515774345	Nominal Dec [deg]
roll_nom	296.03746377683	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5059.2000389099	Sum of GTIs [s]
livetime	4993.0978658727	Livetime [s]
ontime2	5059.2000389099	Sum of GTIs [s]
ontime3	5056.0589786768	Sum of GTIs [s]
ontime6	5059.2000389099	Sum of GTIs [s]
ontime7	5059.2000389099	Sum of GTIs [s]
ontime8	5059.2000389099	Sum of GTIs [s]
l2events	30091	Number of level 2 events



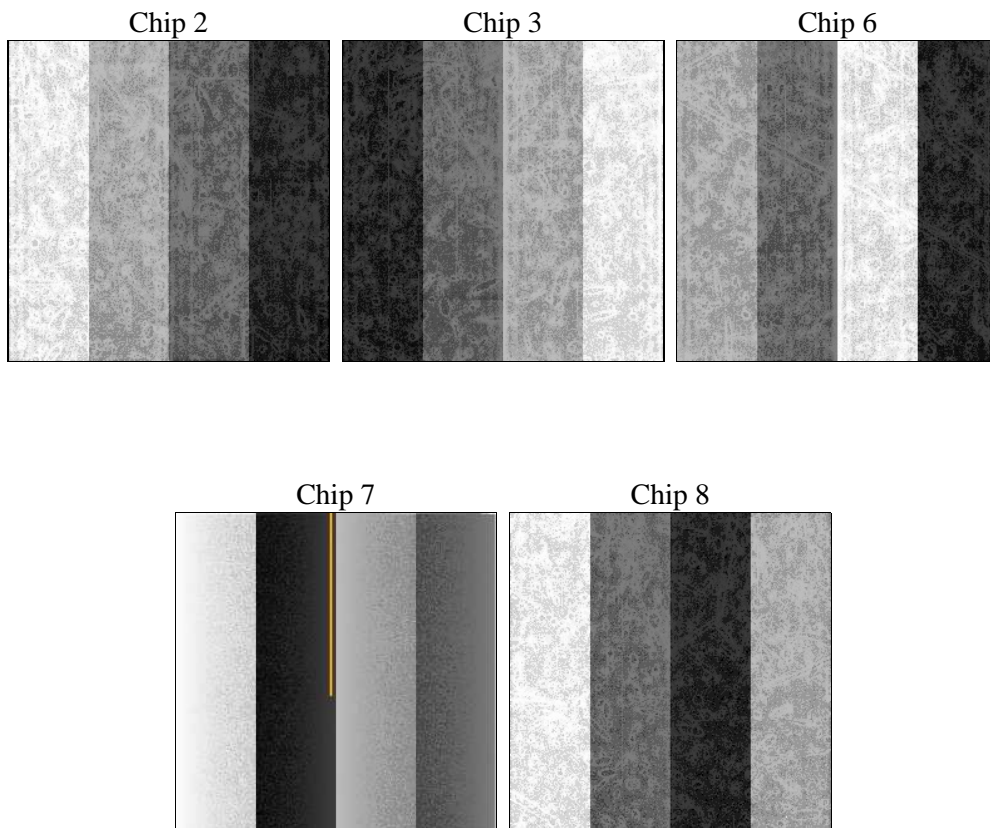
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5059.2000389099	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	5059.2000389099	Sum of GTIs [s]
date	2012-07-08T14:00:38	Date and time of file creation	ontime3	5056.0589786768	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5059.2000389099	Sum of GTIs [s]
			ontime7	5059.2000389099	Sum of GTIs [s]
			ontime8	5059.2000389099	Sum of GTIs [s]
			l1events	177467	Number of level 1 events

2.1.4 Events

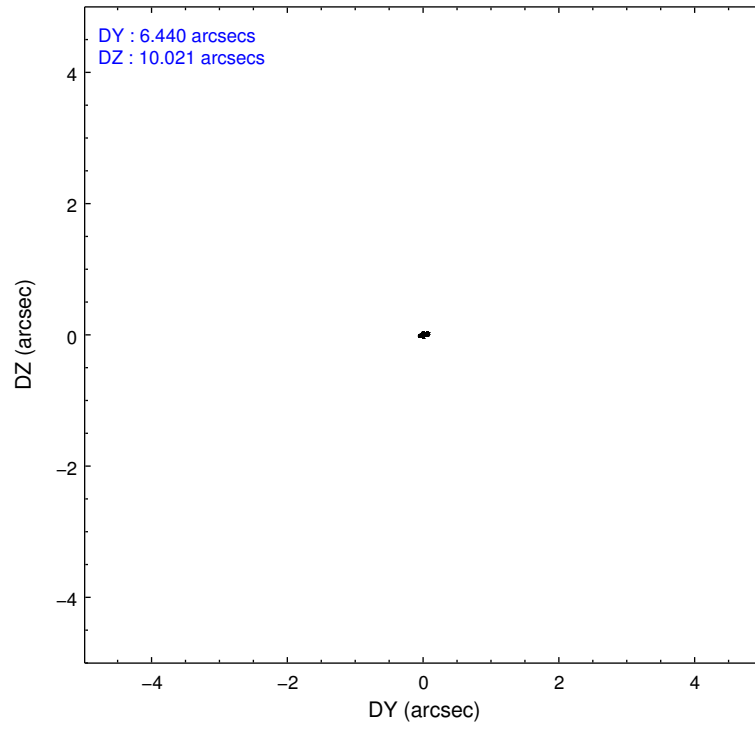
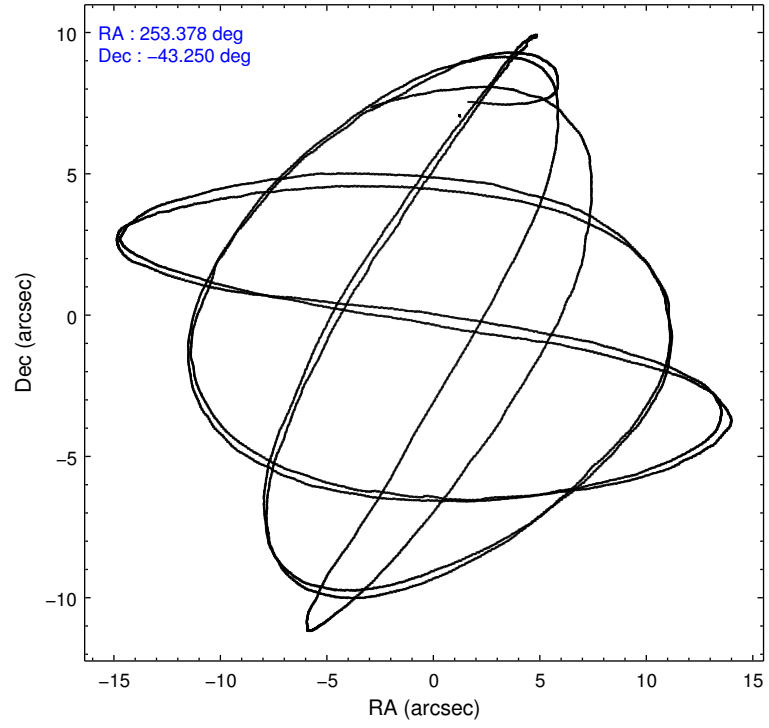
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	33403	29913	30615	38559	44977
rejected events	26737	26398	26683	21233	30274
rejected %	80%	88%	87%	55%	67%

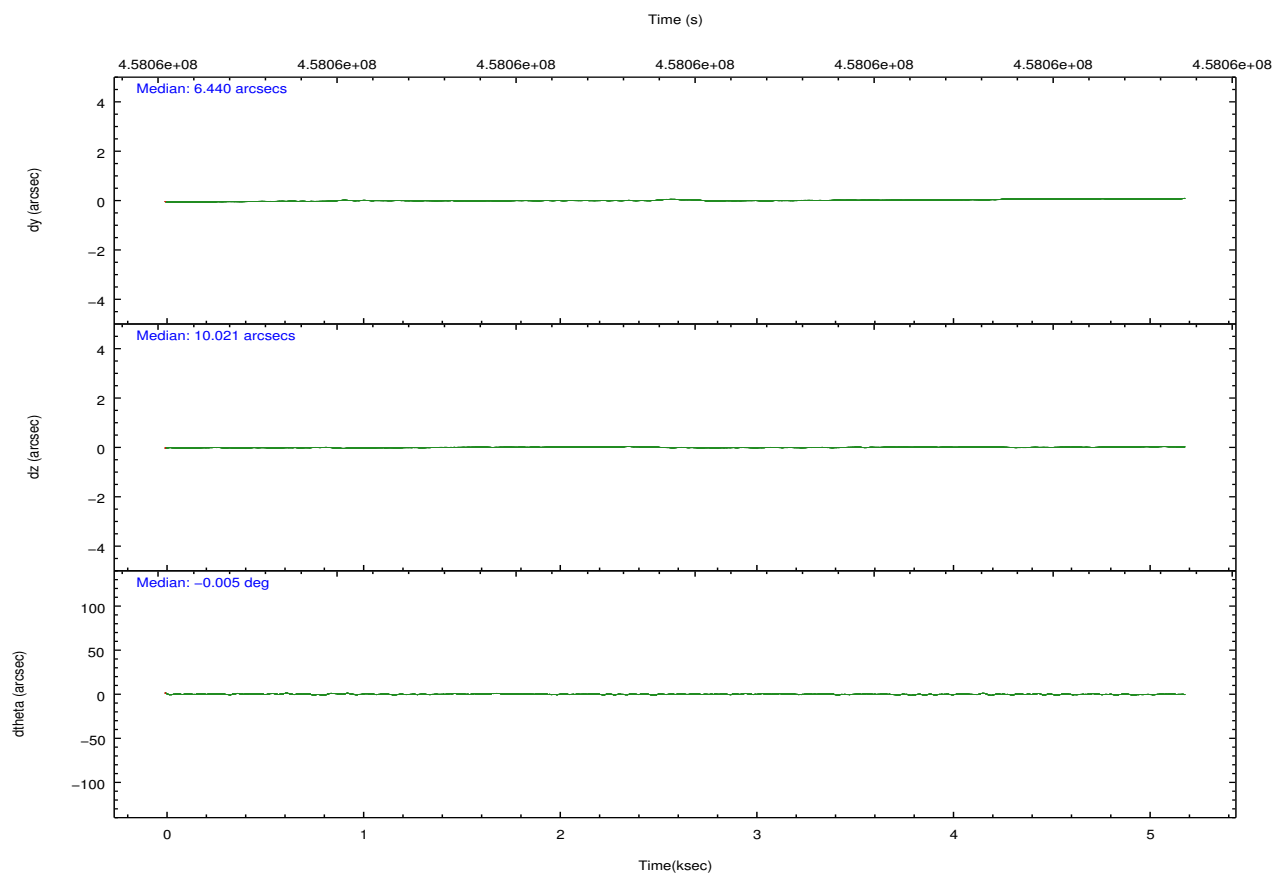
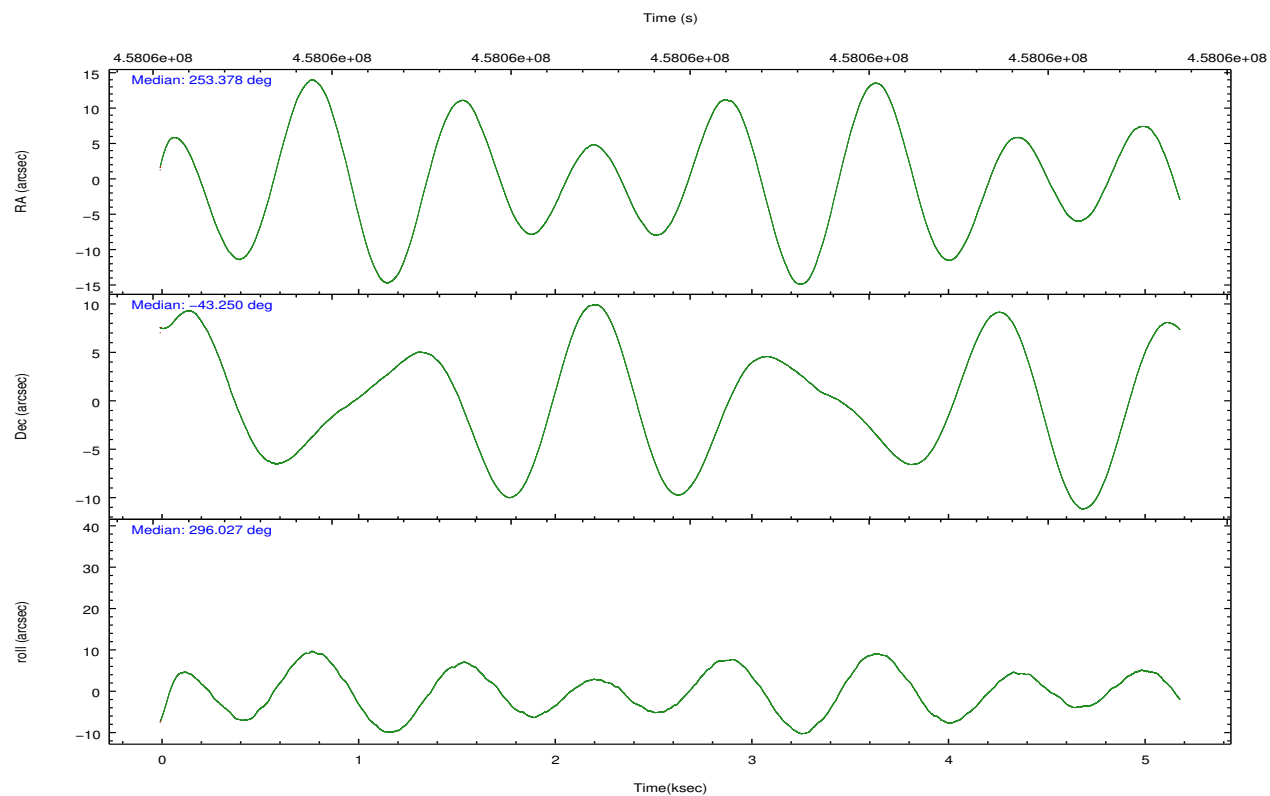
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4457	1329	1493	1549	4353
	13%	4%	4%	4%	9%
grade 1 events	33	19	8	38	41
	0%	0%	0%	0%	0%
grade 2 events	859	746	916	3621	3094
	2%	2%	2%	9%	6%
grade 3 events	343	407	375	1517	1828
	1%	1%	1%	3%	4%
grade 4 events	361	352	359	1403	1752
	1%	1%	1%	3%	3%
grade 5 events	1135	1500	1374	3650	2064
	3%	5%	4%	9%	4%
grade 6 events	653	687	795	9260	3682
	1%	2%	2%	24%	8%
grade 7 events	25562	24873	25295	17521	28163
	76%	83%	82%	45%	62%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	253.346476	253.3779734982568	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.235653	-43.25051577434542	Alternating exposures requested	N	N
[deg] Pointing Roll	295.859261	296.037463776832	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	458059474.184000	458058527.64429			
Observation start date	2012-07-07T14:43:27	2012-07-07T14:28:47			
[s] Observation end time (MET)	458064474.184000	458065459.71966			
Observation end date	2012-07-07T16:06:47	2012-07-07T16:24:19			
Read mode	TIMED	TIMED			

2.3 Aspect



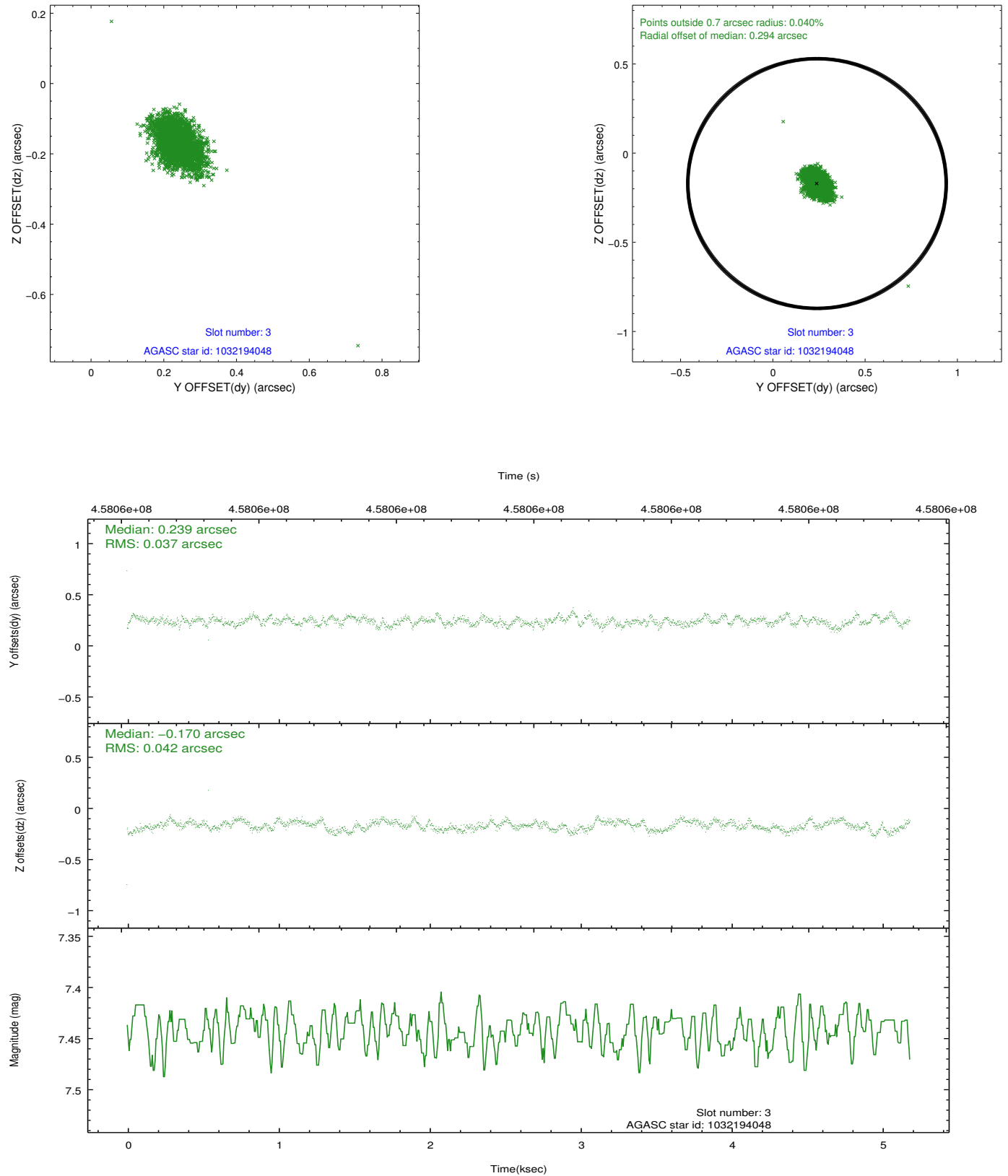


Slot Statistics

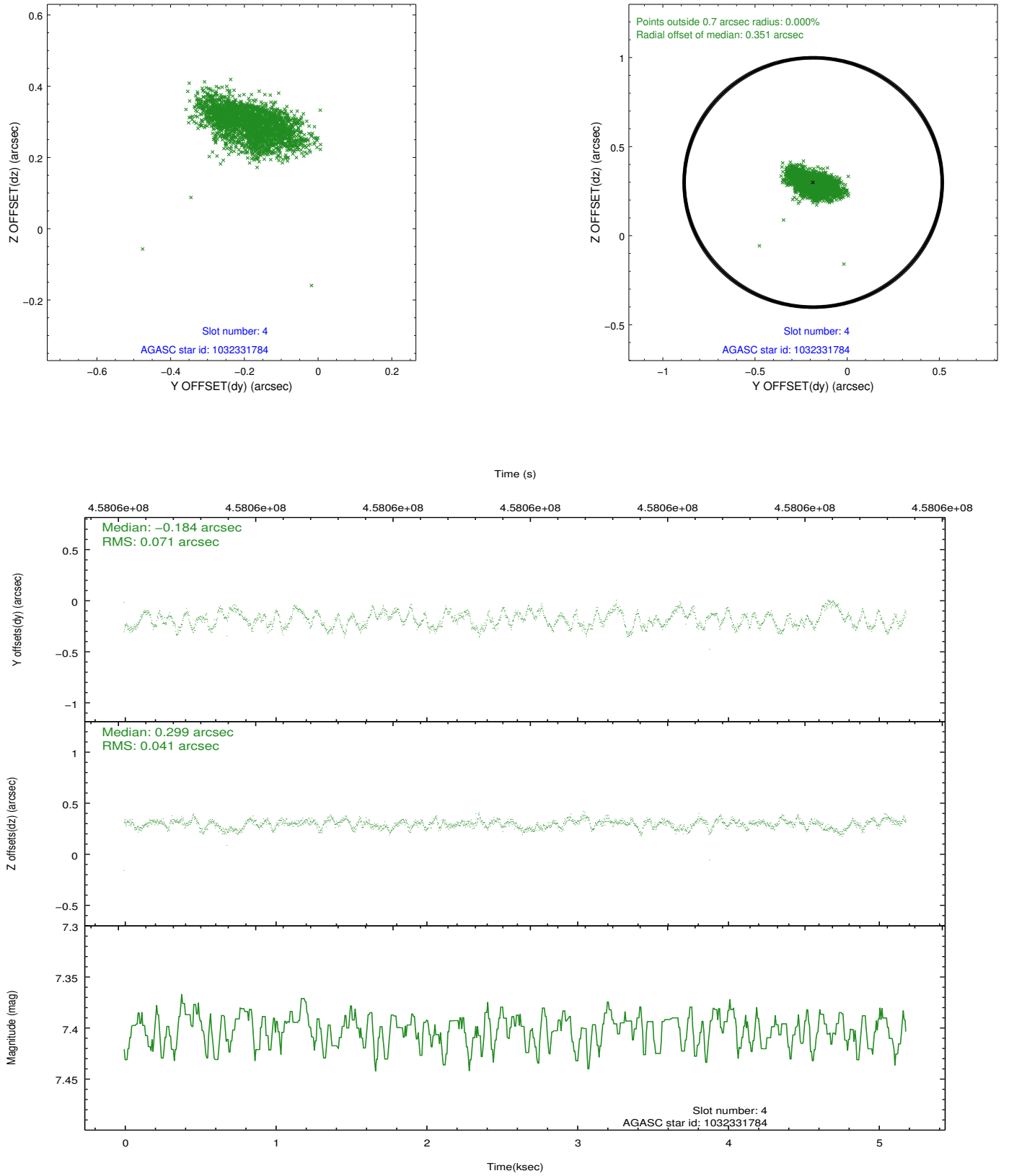
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.13	1266	0.025	-0.061	0.007	0.011	0.000000	0.000000	936.86	-1726.91
1	FID	ACIS-S-4	7.16	1266	0.152	0.035	0.006	0.009	0.000000	0.000000	2155.05	176.14
2	FID	ACIS-S-5	7.18	1266	-0.203	0.039	0.006	0.010	0.000000	0.000000	-1810.73	171.07
3	GUIDE	1032194048	7.44	2531	0.239	-0.170	0.058	0.093	252.483207	-43.107423	-1393.27	-1846.18
4	GUIDE	1032331784	7.40	2531	-0.184	0.299	0.086	0.140	253.132871	-42.991793	-1034.52	-124.72
5	GUIDE	1032857480	7.23	2530	0.012	-0.068	0.072	0.124	253.897060	-43.315989	893.66	1168.98
6	GUIDE	1032861000	8.73	2531	0.044	0.006	0.078	0.126	254.244013	-43.232603	1029.09	2117.85
7	GUIDE	1032867928	8.34	2526	-0.121	-0.062	0.070	0.111	253.057857	-43.542782	668.77	-1160.22

2.4 Star Slots

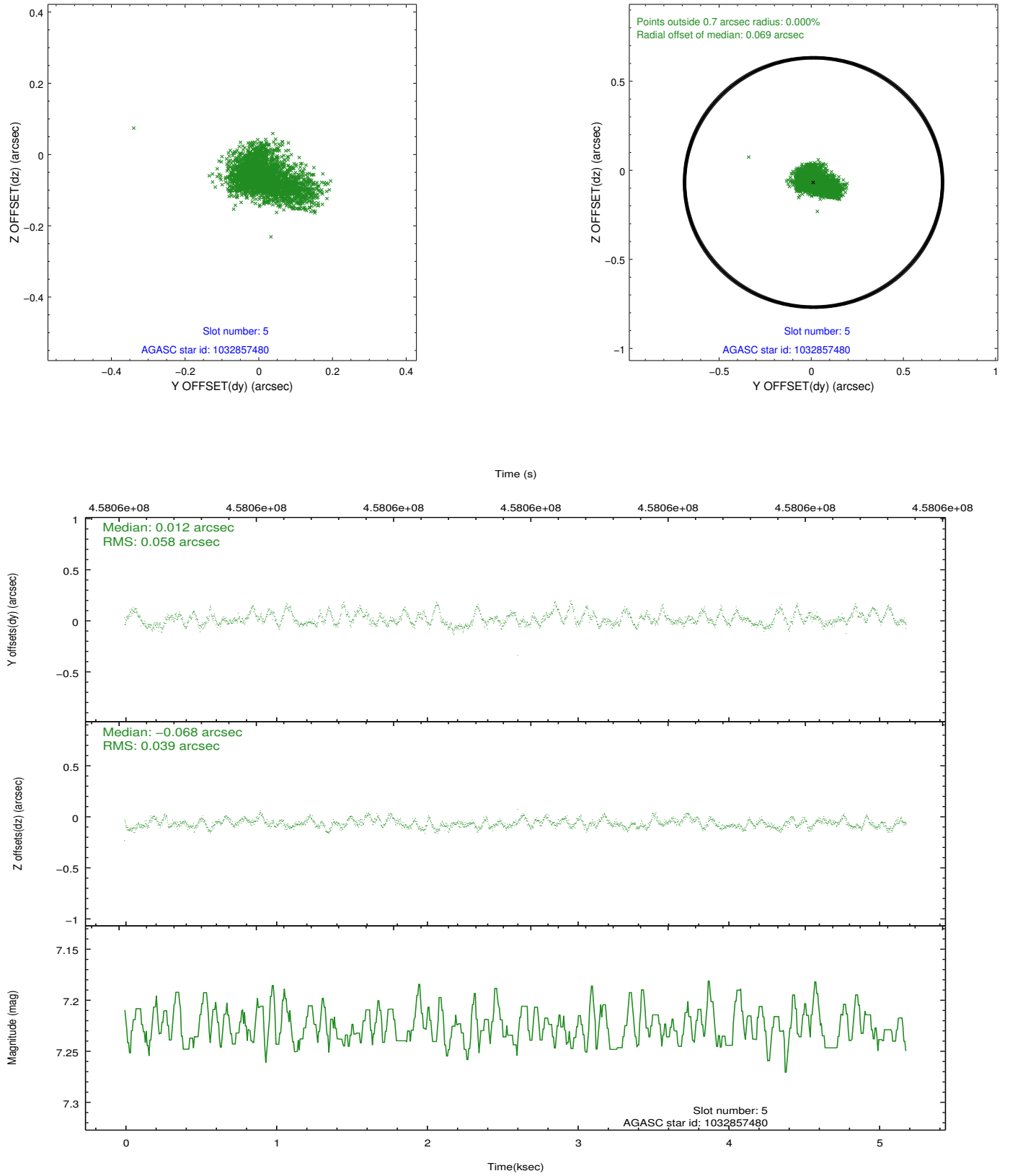
2.4.1 Slot 3



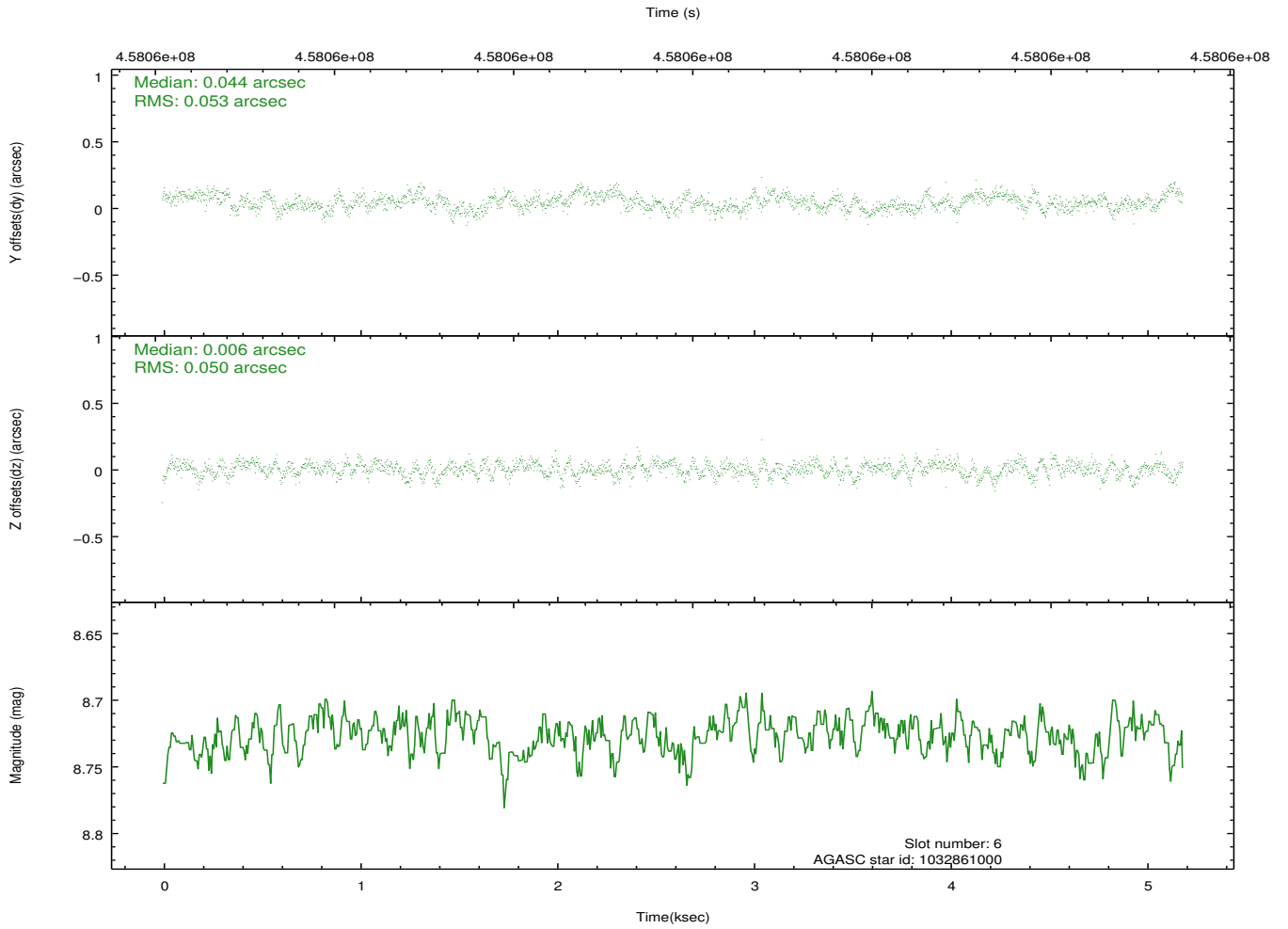
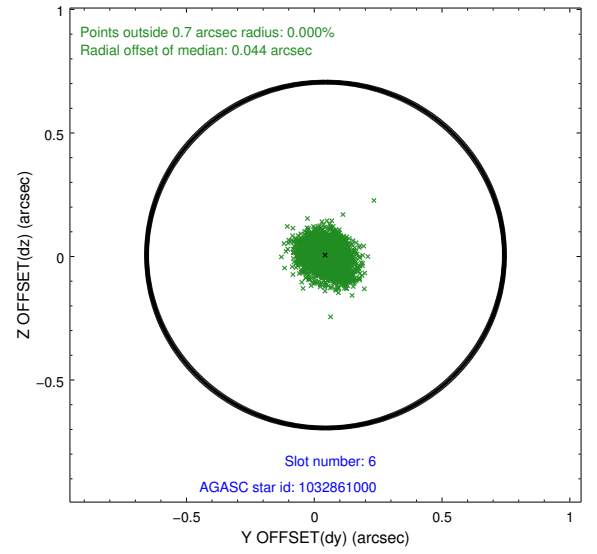
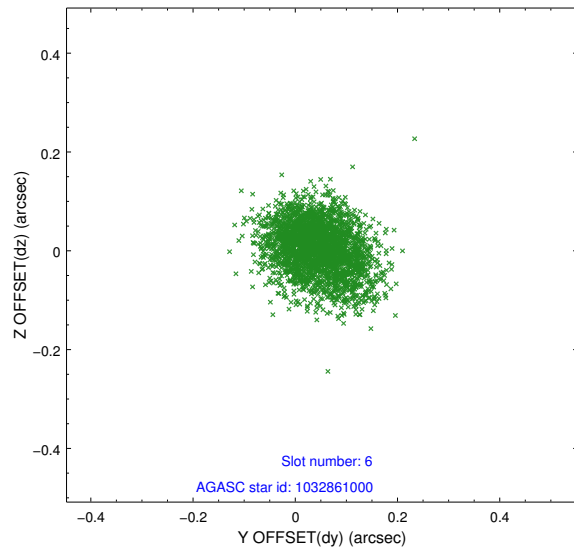
2.4.2 Slot 4



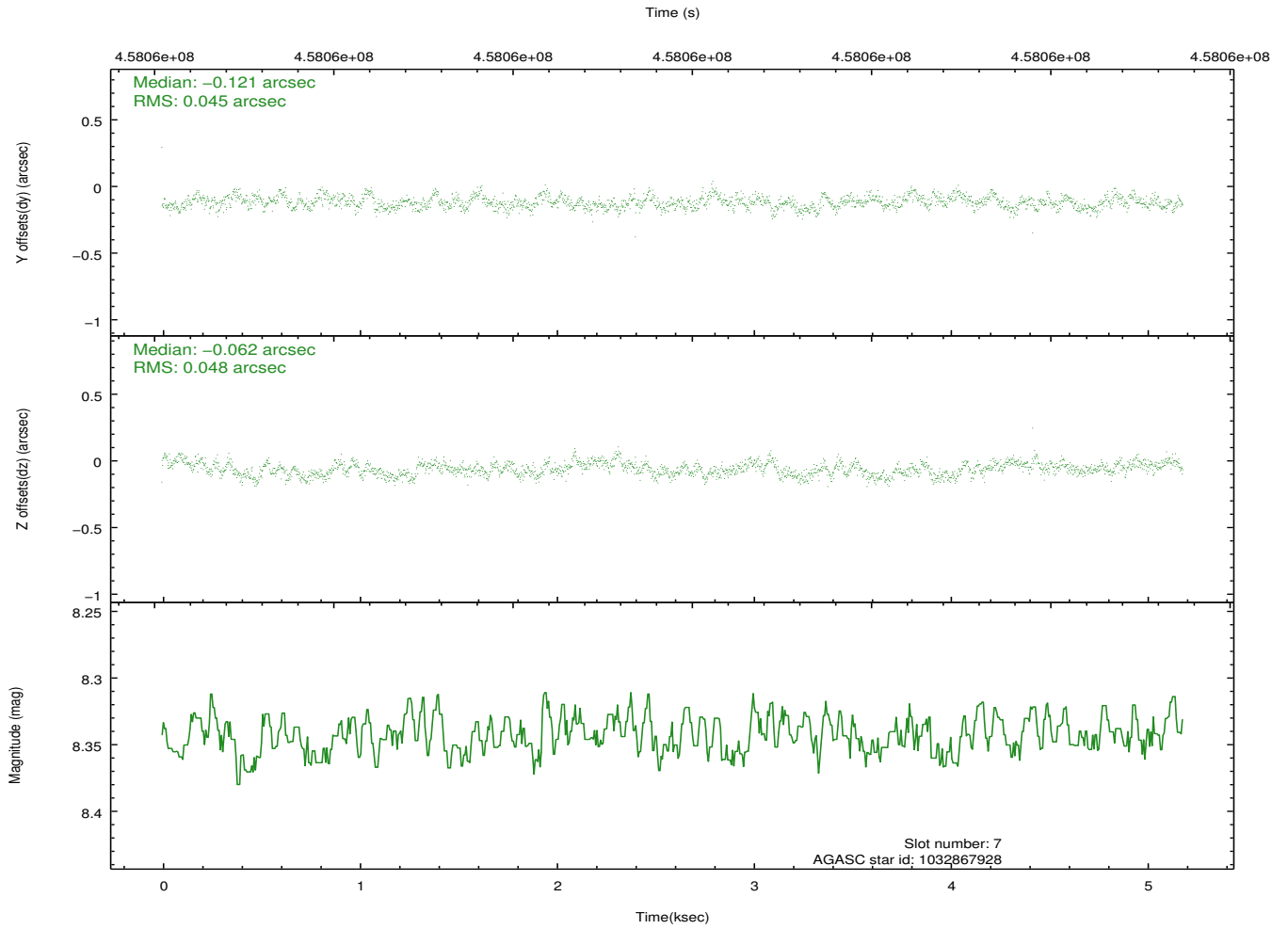
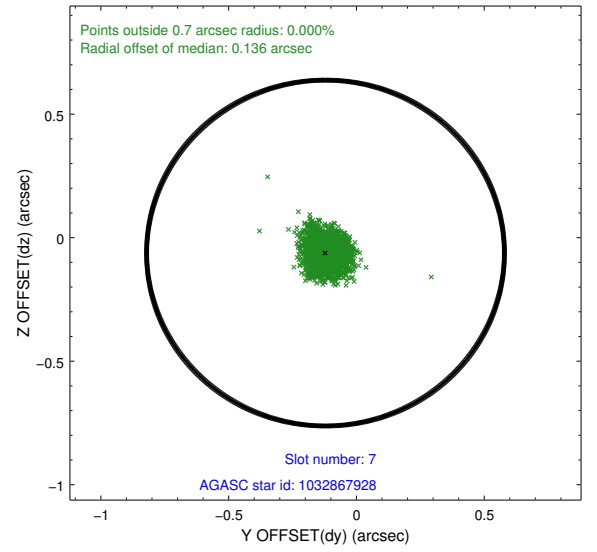
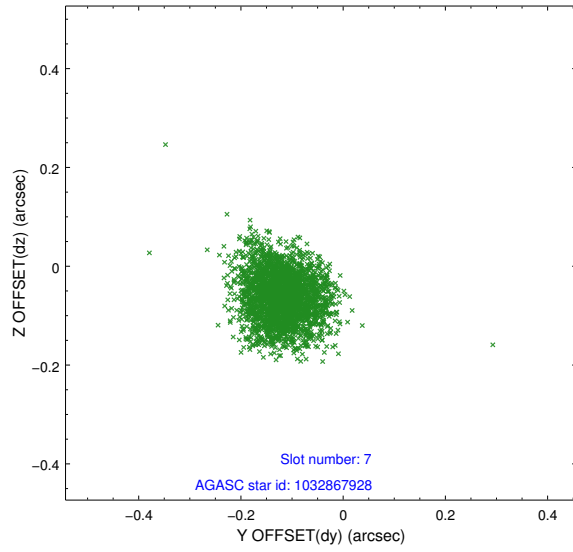
2.4.3 Slot 5



2.4.4 Slot 6

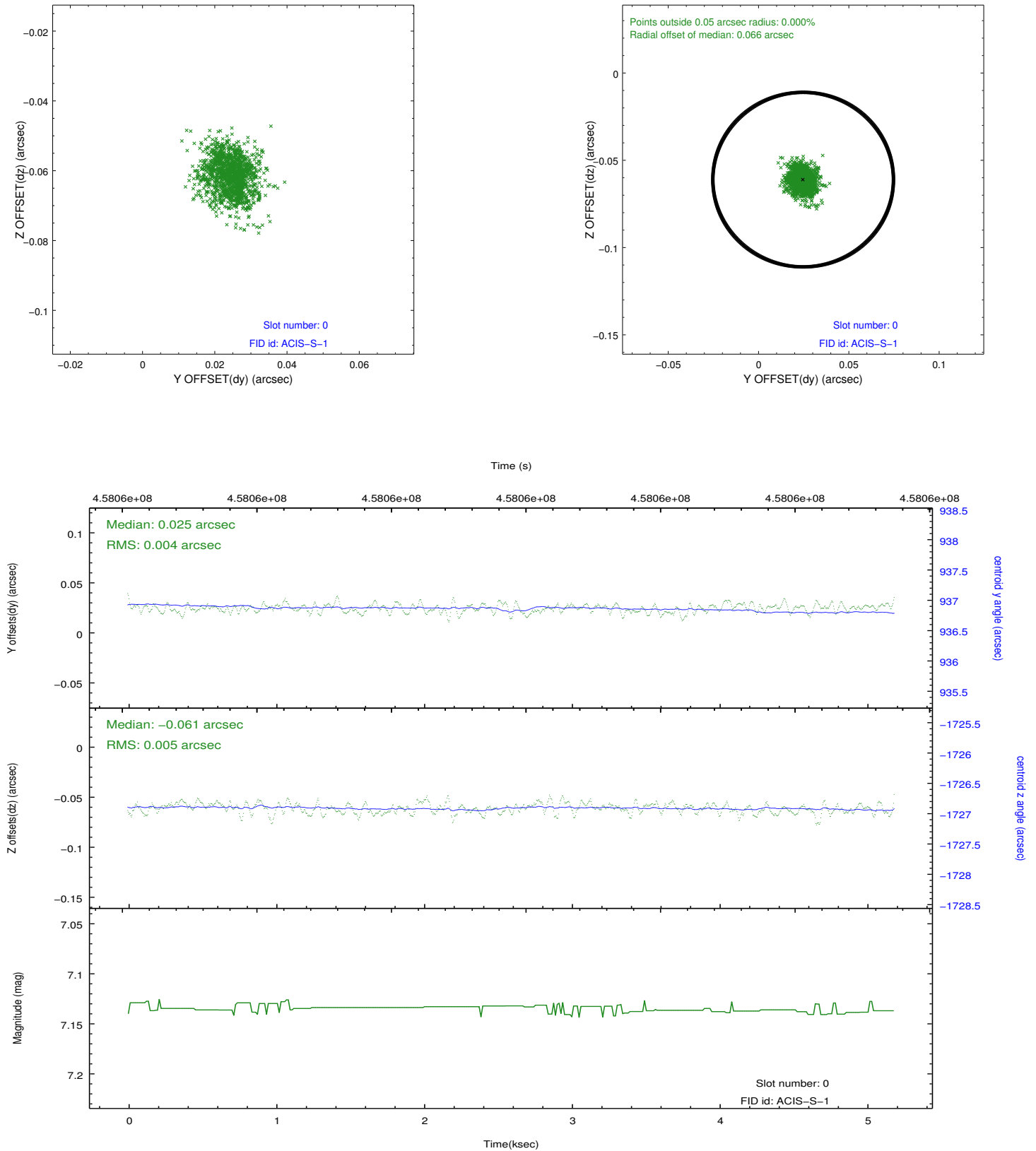


2.4.5 Slot 7

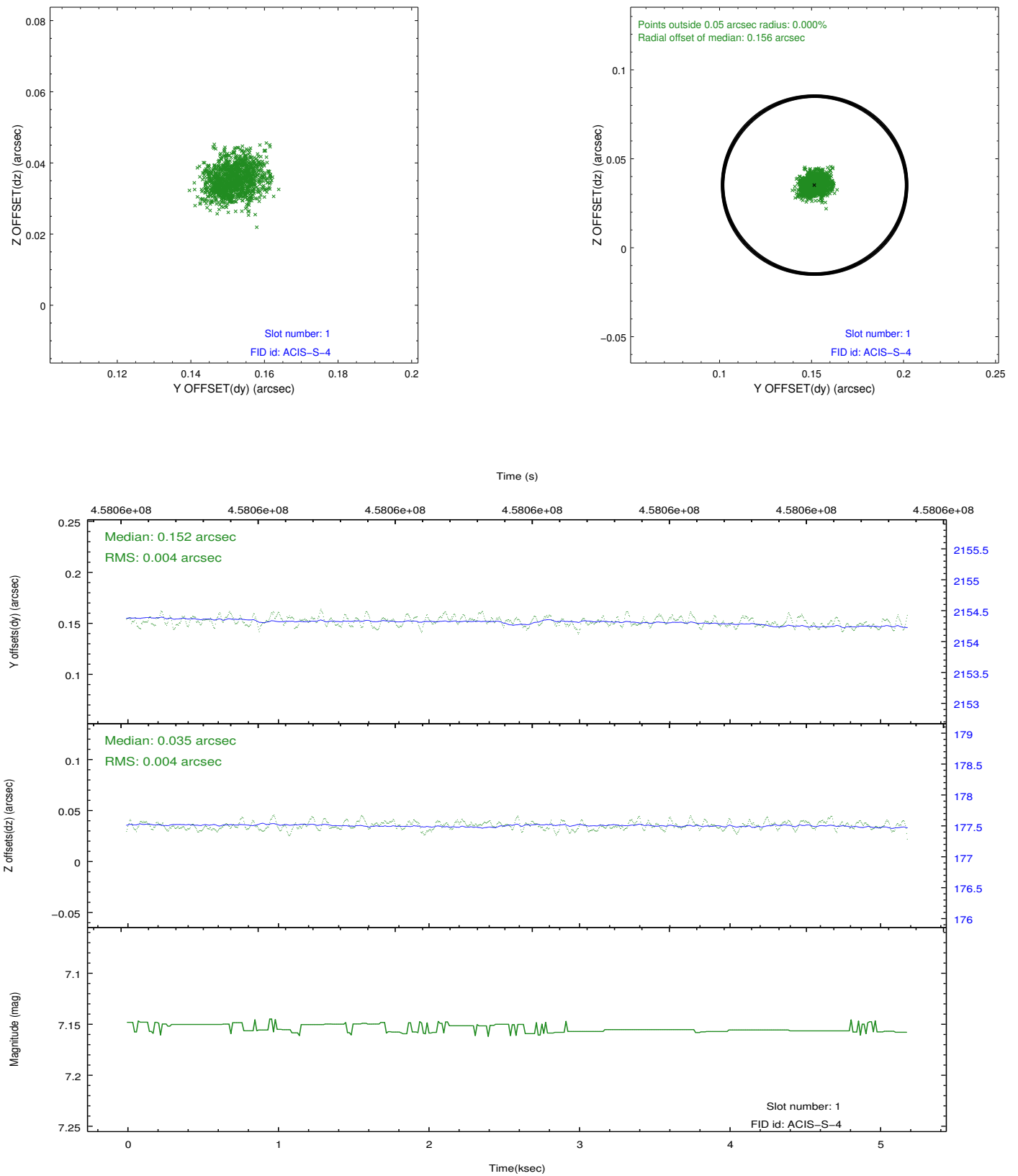


2.5 FID Slots

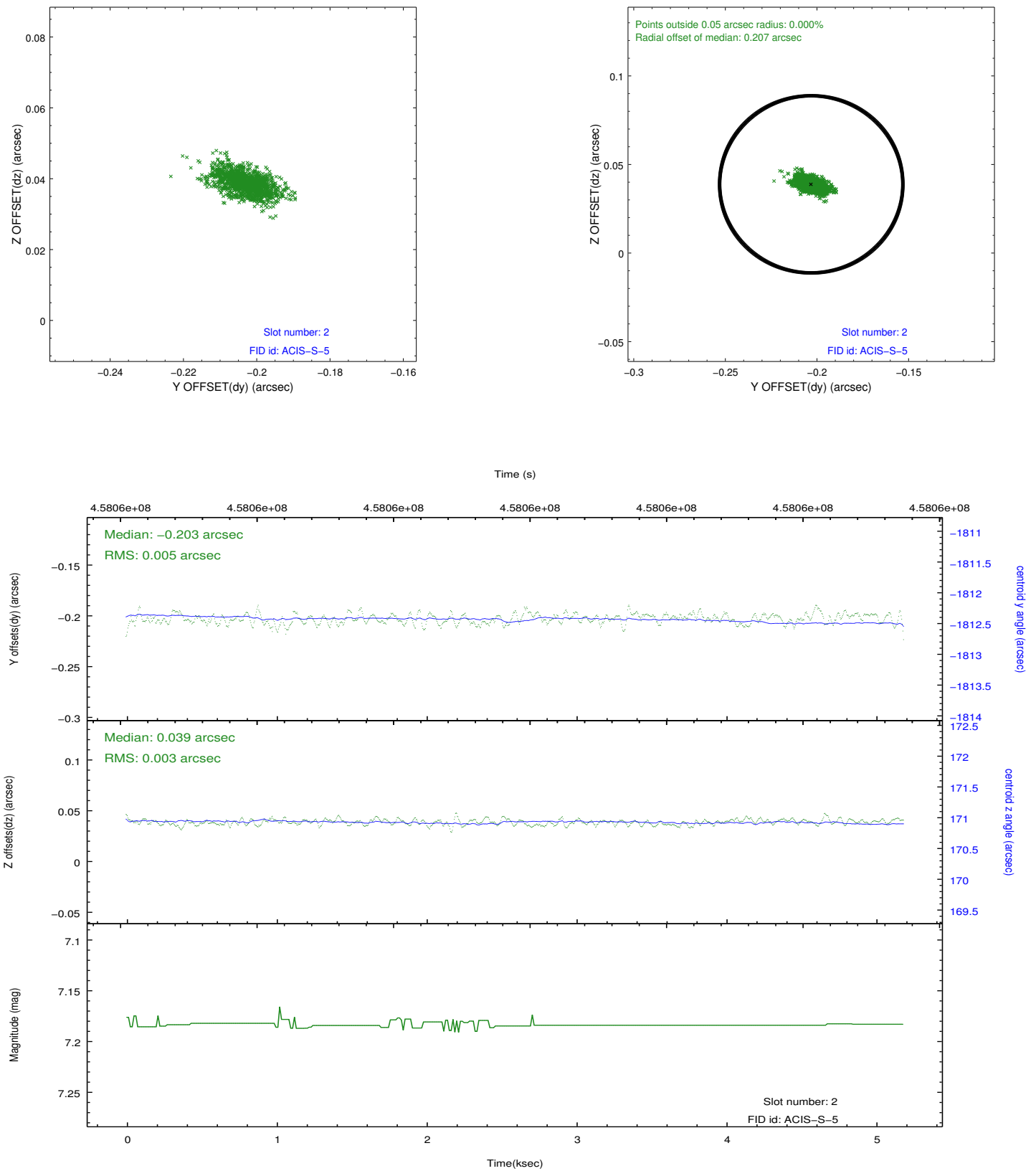
2.5.1 Slot 0



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)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0592000389099

A.2 Comments