

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13978 - L2 Version 1
Chandra X-Ray Center

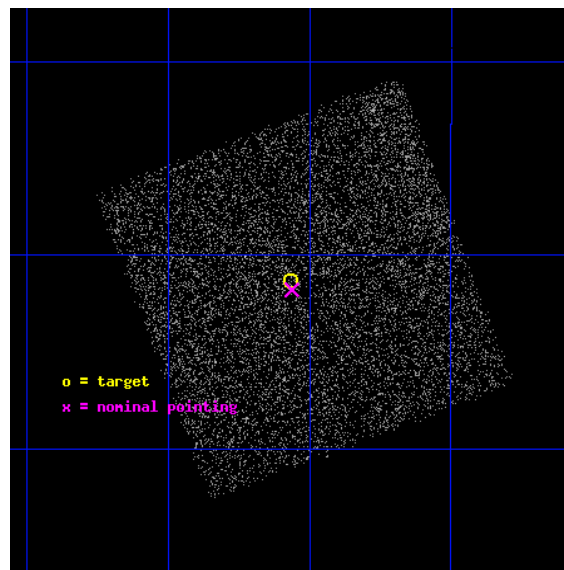
L2 Processing Date : May 27 2012

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1 Front

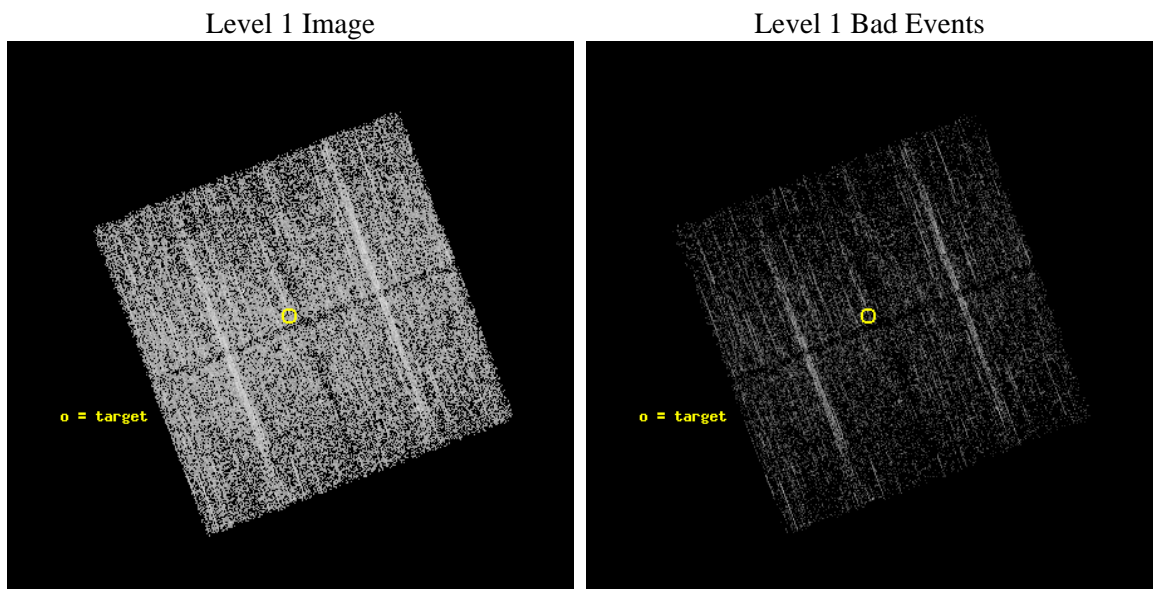
seq_num	702699	Sequence number
obs_id	13978	Observation id
title	Chandra observations of the faintest hard X-ray sources in the SIX survey	Proposal title
observer	Dr Eugenio Bottacini	Principal investigator
object	six-4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	199.76625	Observer's specified target RA [deg]
dec_targ	-9.355	Observer's specified target Dec [deg]
ra_nom	199.7657585529	Nominal RA [deg]
dec_nom	-9.3630315123783	Nominal Dec [deg]
roll_nom	249.20632287496	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5084.0000391006	Sum of GTIs [s]
livetime	5017.5738358034	Livetime [s]
ontime0	5080.8590687513	Sum of GTIs [s]
ontime1	5084.0000391006	Sum of GTIs [s]
ontime2	5084.0000391006	Sum of GTIs [s]
ontime3	5084.0000391006	Sum of GTIs [s]
l2events	12333	Number of level 2 events



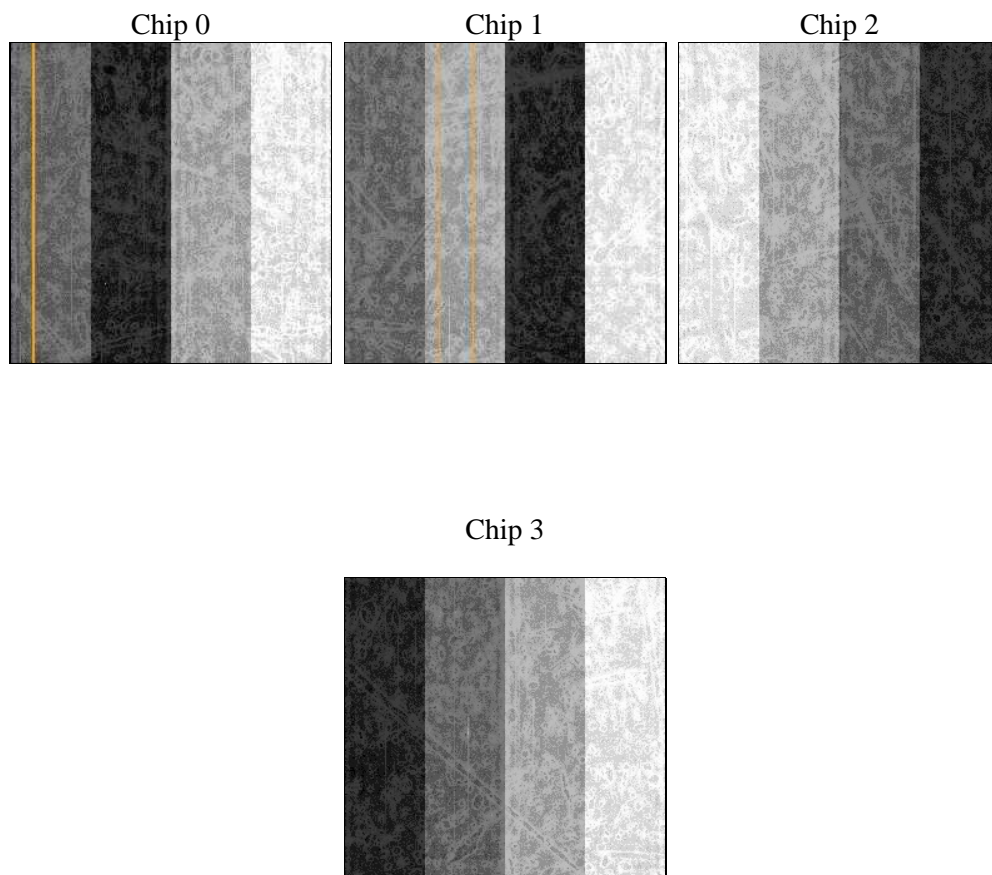
2 OBI

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	8.4.4	Processing system revision	ontime	5084.0000391006	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5080.8590687513	Sum of GTIs [s]
date	2012-05-27T16:02:54	Date and time of file creation	ontime1	5084.0000391006	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5084.0000391006	Sum of GTIs [s]
			ontime3	5084.0000391006	Sum of GTIs [s]
			l1events	113865	Number of level 1 events

2.1.4 Events

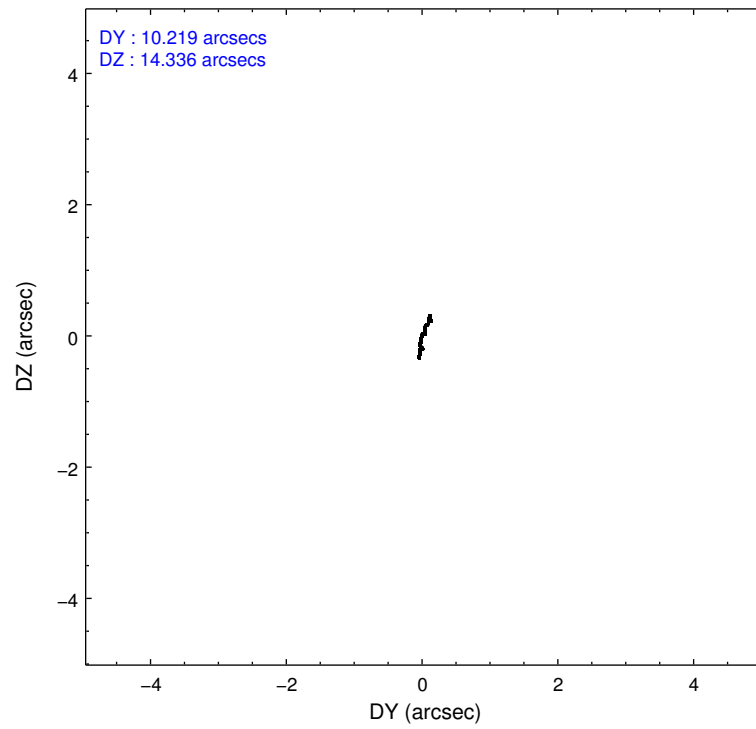
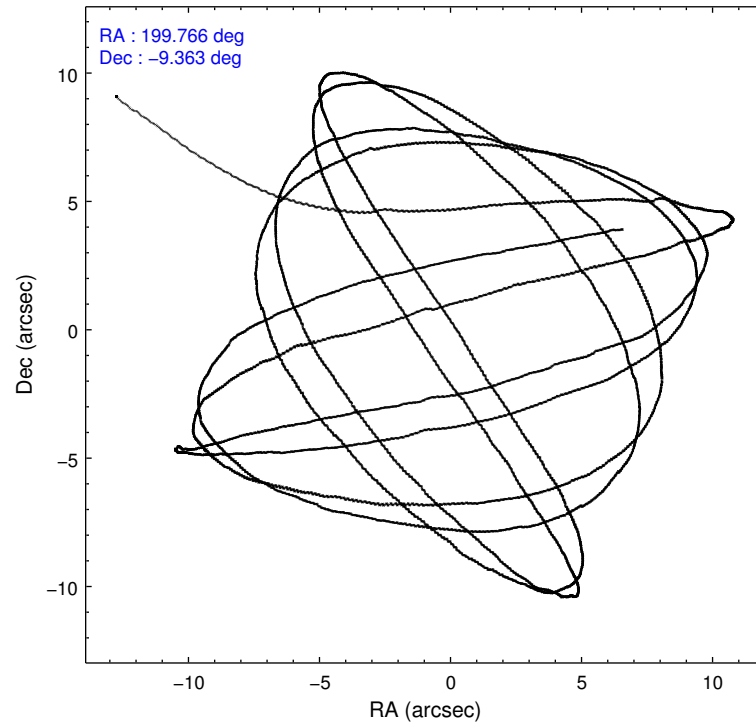
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	26651	28662	28719	29833
rejected events	23043	24627	25164	26351
rejected %	86%	85%	87%	88%

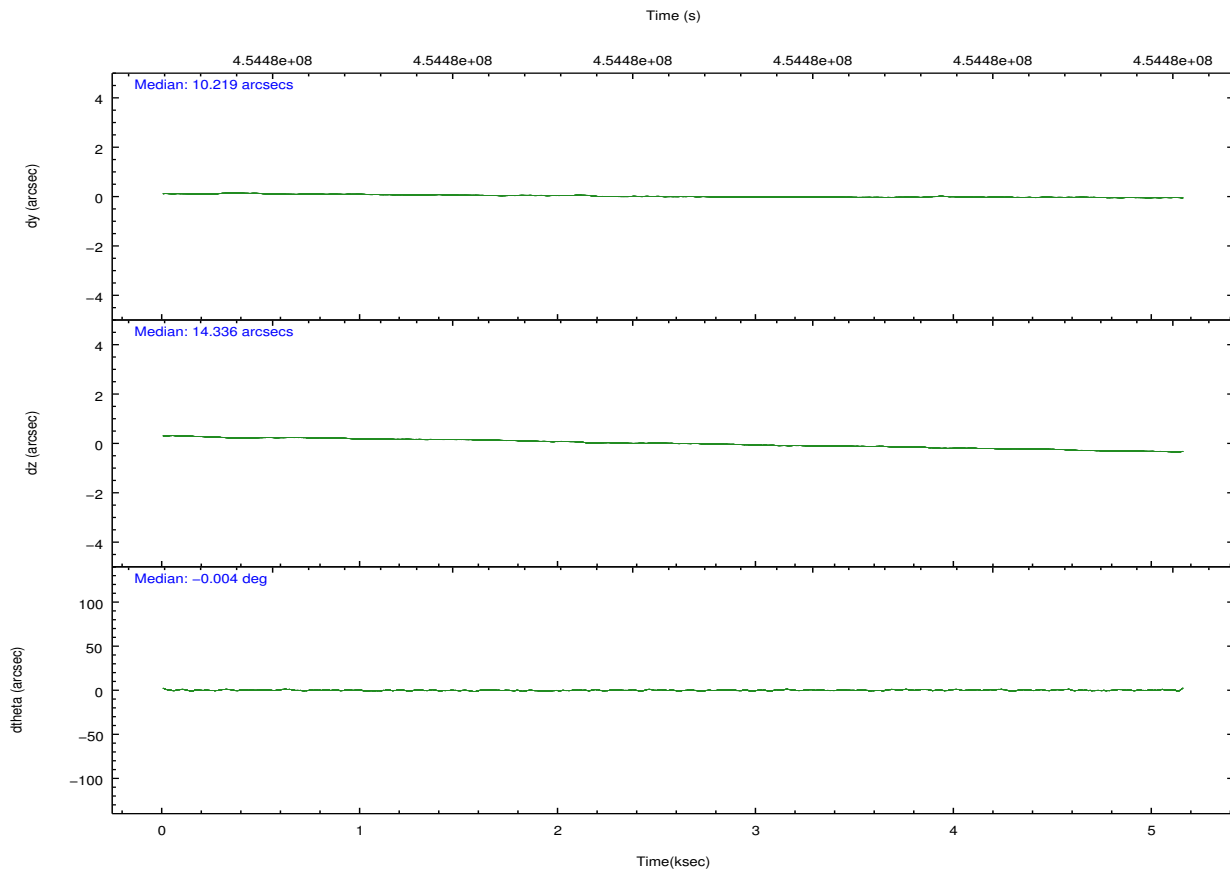
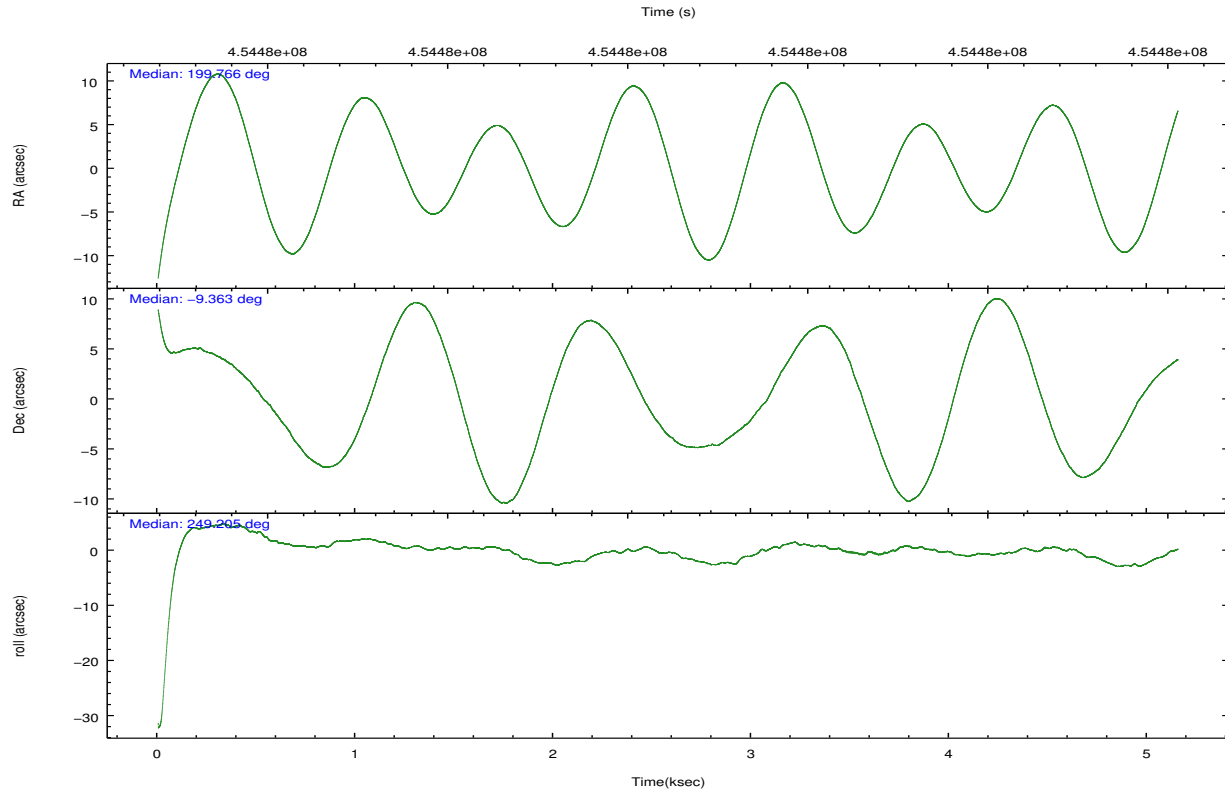
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1302	1427	1277	1244
	4%	4%	4%	4%
grade 1 events	10	27	16	24
	0%	0%	0%	0%
grade 2 events	877	986	889	756
	3%	3%	3%	2%
grade 3 events	368	401	381	374
	1%	1%	1%	1%
grade 4 events	352	379	343	357
	1%	1%	1%	1%
grade 5 events	1343	1501	1251	1517
	5%	5%	4%	5%
grade 6 events	714	844	670	757
	2%	2%	2%	2%
grade 7 events	21685	23097	23892	24804
	81%	80%	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	199.761183	199.7657585529045	Subarray requested	NONE	NONE
[deg] Pointing Dec	-9.335940	-9.363031512378319	Alternating exposures requested	N	N
[deg] Pointing Roll	248.996969	249.206322874957	[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)	454479808.184000	454478685.2322			
Observation start date	2012-05-27T04:22:22	2012-05-27T04:04:45			
[s] Observation end time (MET)	454484808.184000	454485457.40756			
Observation end date	2012-05-27T05:45:42	2012-05-27T05:57:37			
Read mode	TIMED	TIMED			

2.3 Aspect



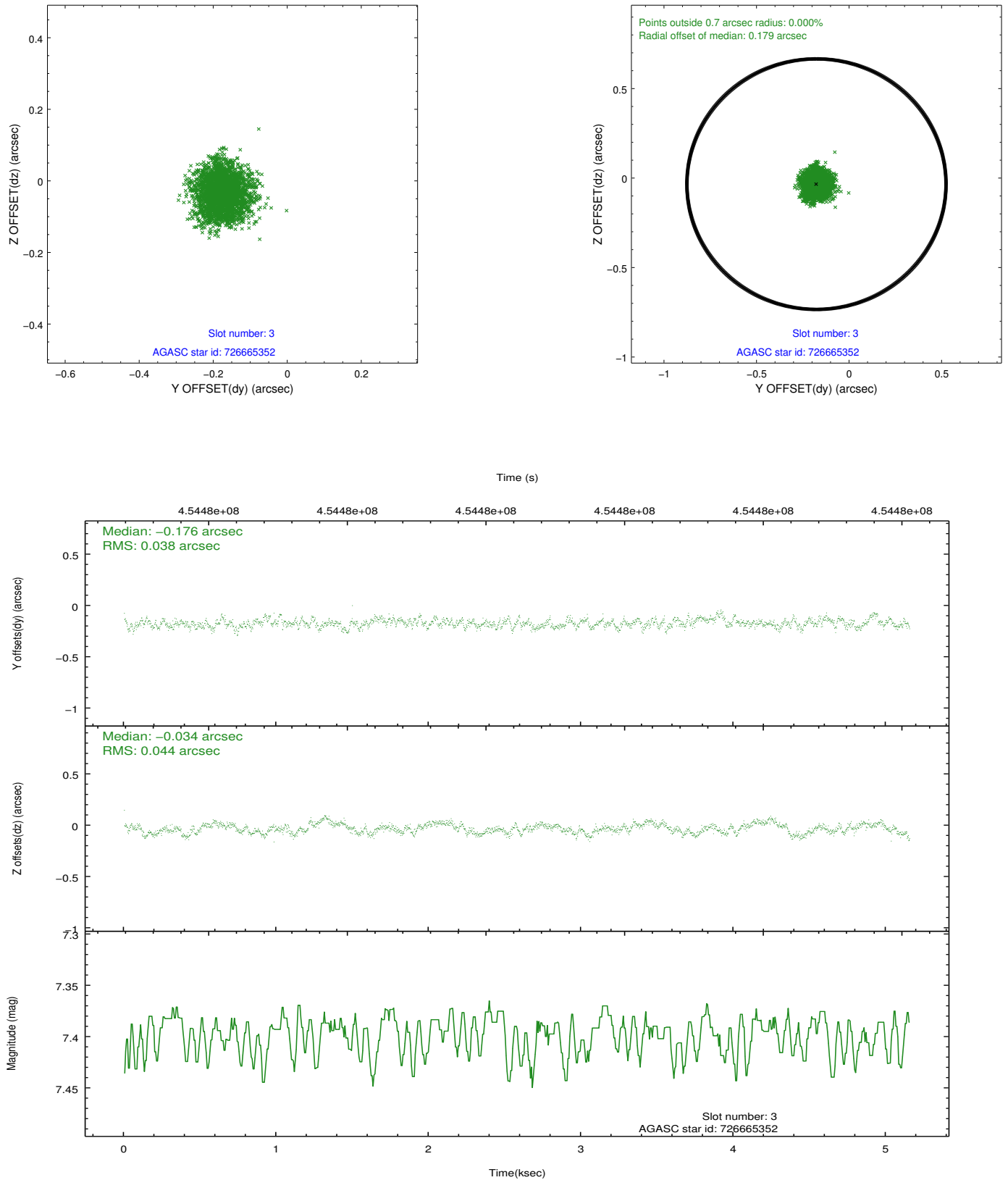


Slot Statistics

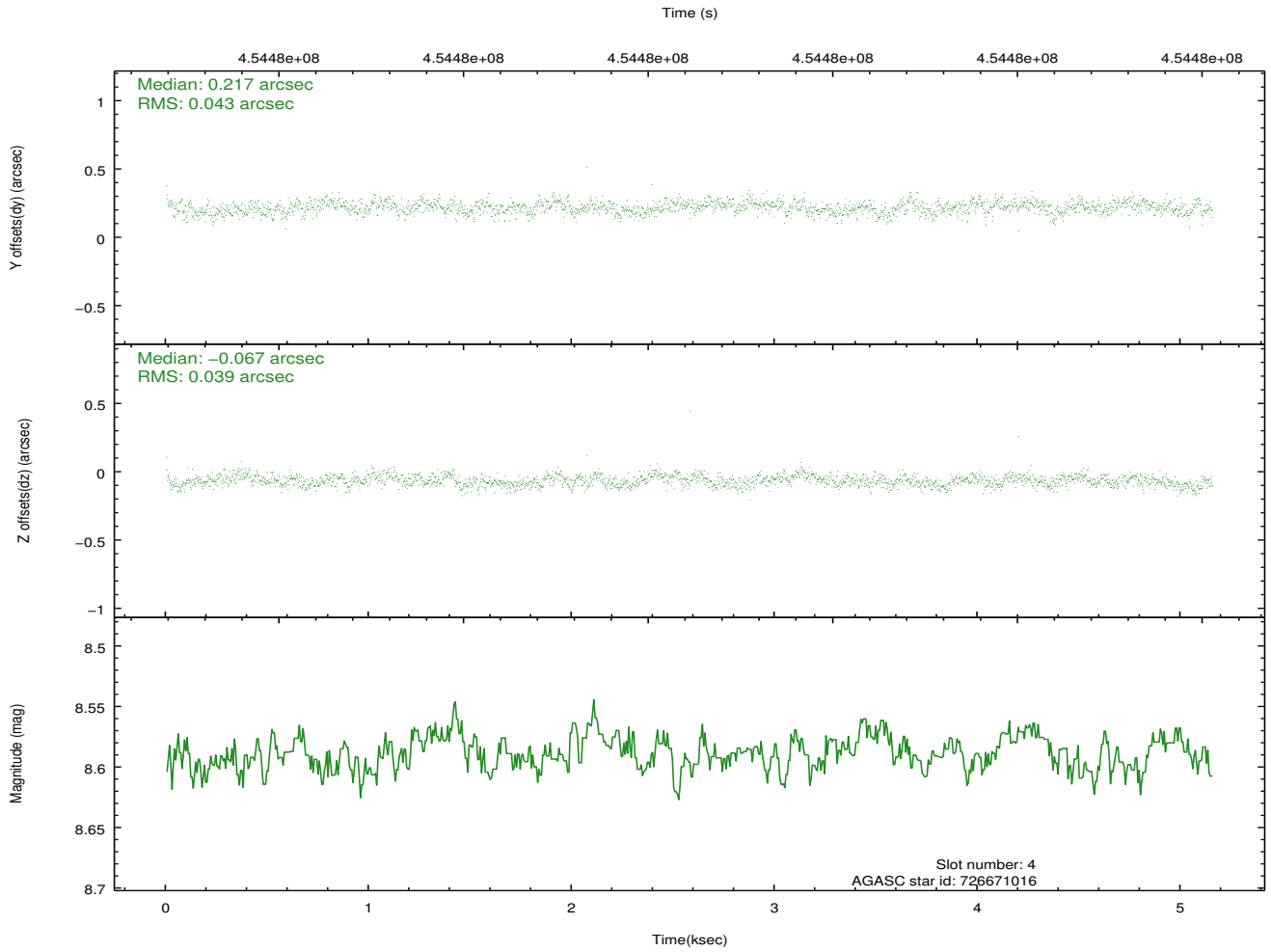
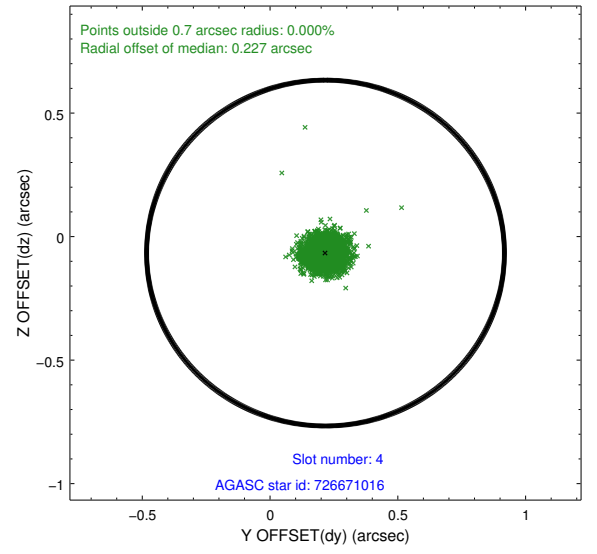
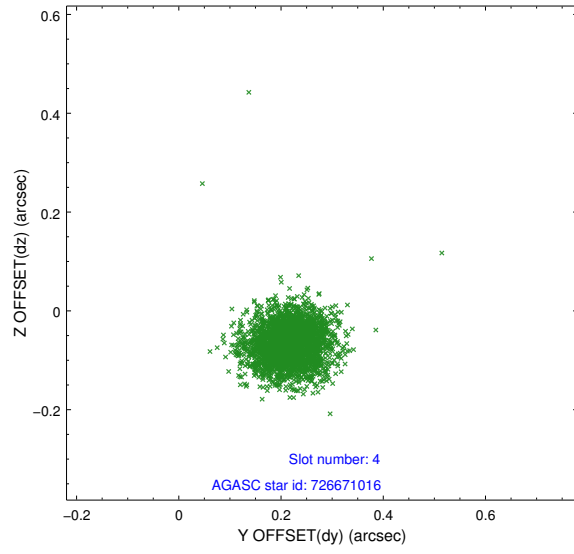
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	1257	0.098	0.021	0.007	0.011	0.000000	0.000000	929.48	-837.86
1	FID	ACIS-I-2	6.95	1257	-0.087	-0.096	0.008	0.017	0.000000	0.000000	-764.14	-845.06
2	FID	ACIS-I-5	7.03	1258	-0.103	0.148	0.007	0.013	0.000000	0.000000	-1819.59	1059.06
3	GUIDE	726665352	7.40	2515	-0.176	-0.034	0.063	0.097	199.433768	-8.733270	-1606.79	-1864.62
4	GUIDE	726671016	8.59	2509	0.217	-0.067	0.061	0.099	199.803635	-9.973405	2088.26	962.54
5	GUIDE	726672568	8.78	2503	-0.146	0.051	0.087	0.142	200.523297	-9.059886	-1893.53	2172.63
6	GUIDE	726673008	8.48	2515	-0.049	-0.182	0.087	0.134	199.947949	-9.105572	-1012.59	323.45
7	GUIDE	727056776	7.95	2513	0.147	0.226	0.082	0.137	200.116892	-10.190420	2420.49	2280.01

2.4 Star Slots

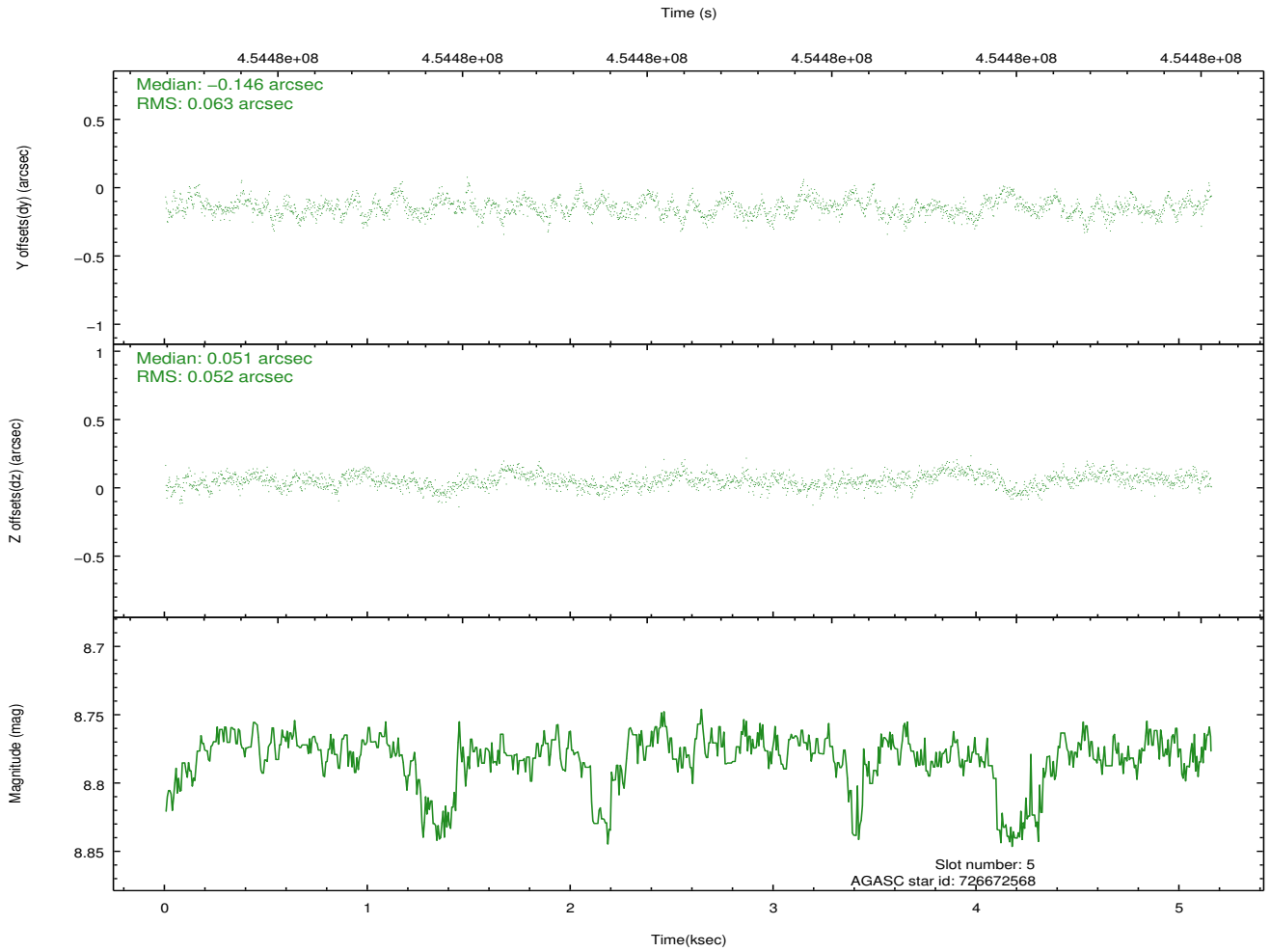
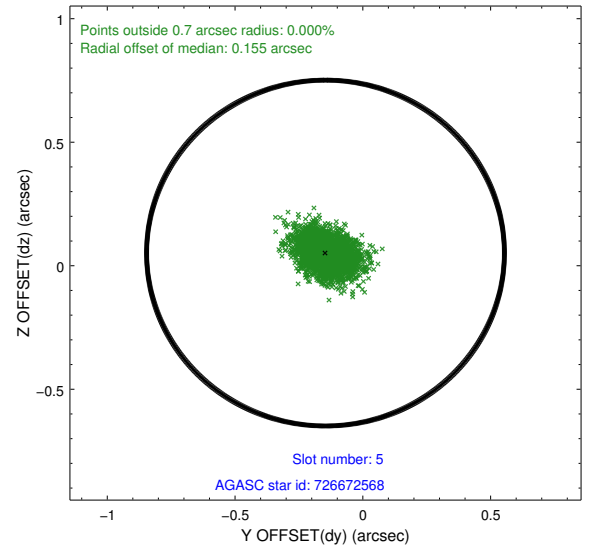
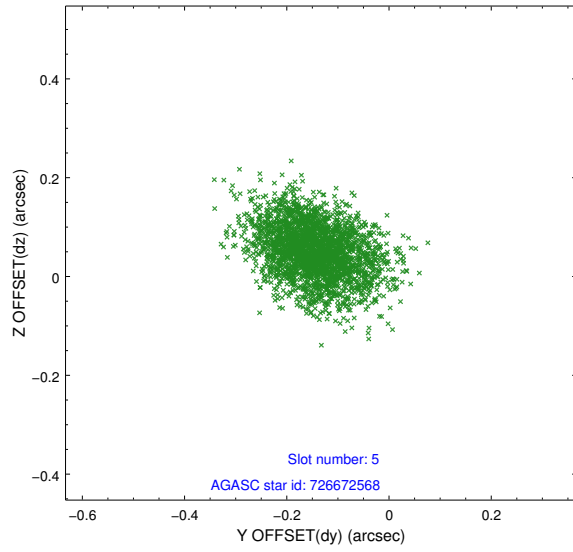
2.4.1 Slot 3



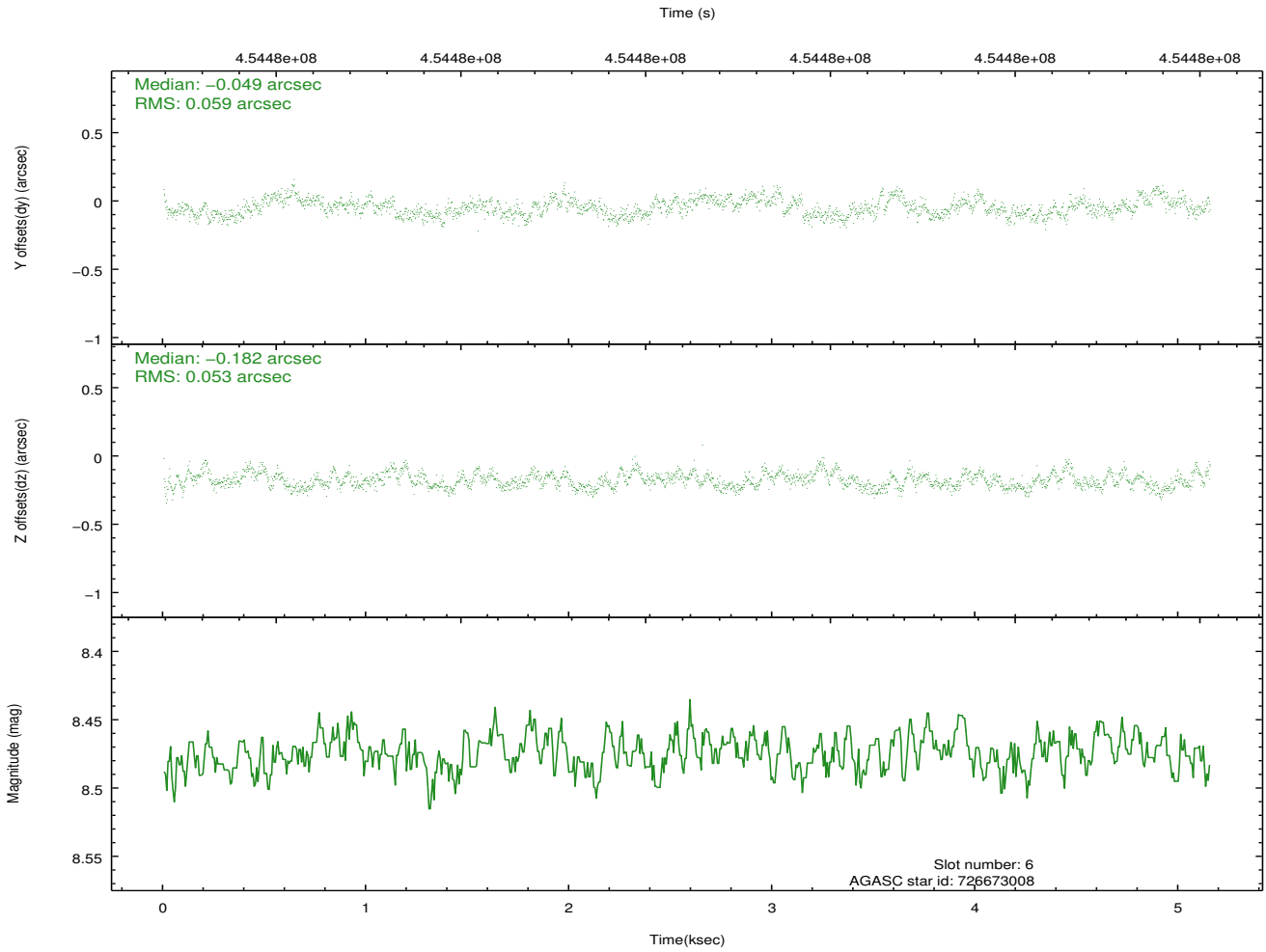
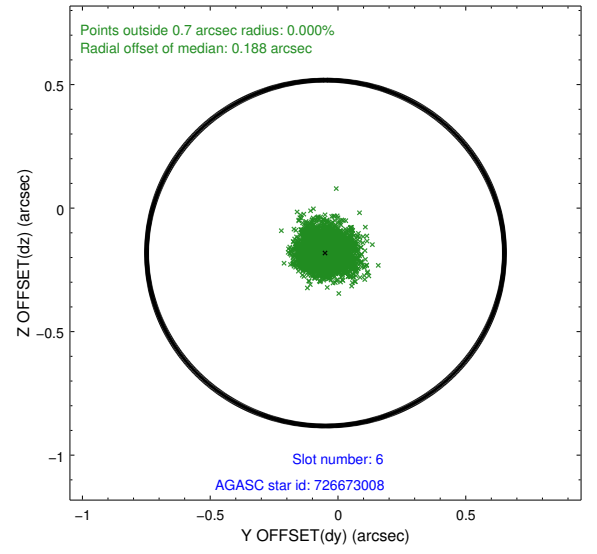
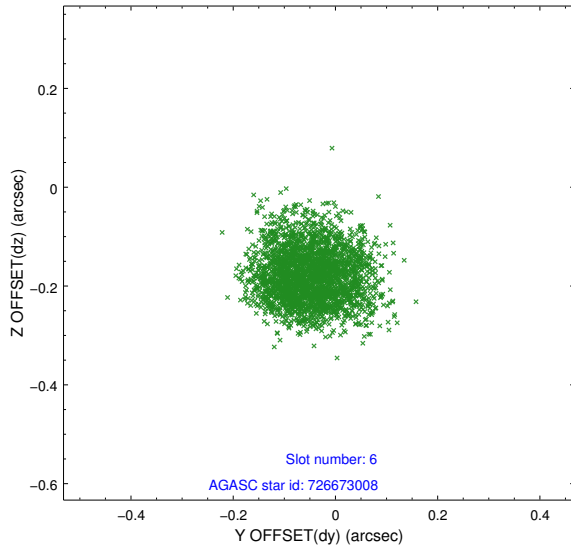
2.4.2 Slot 4



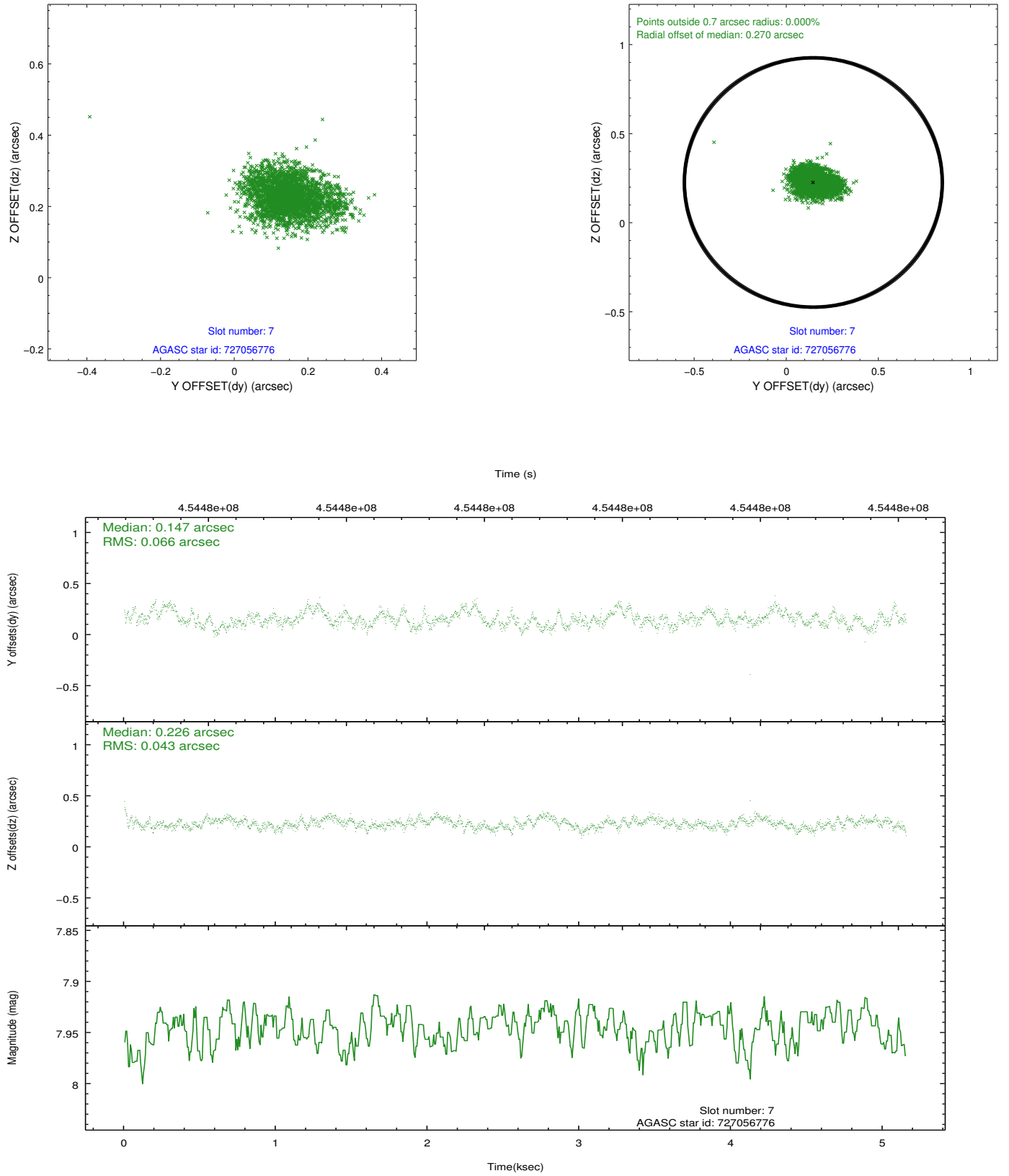
2.4.3 Slot 5



2.4.4 Slot 6

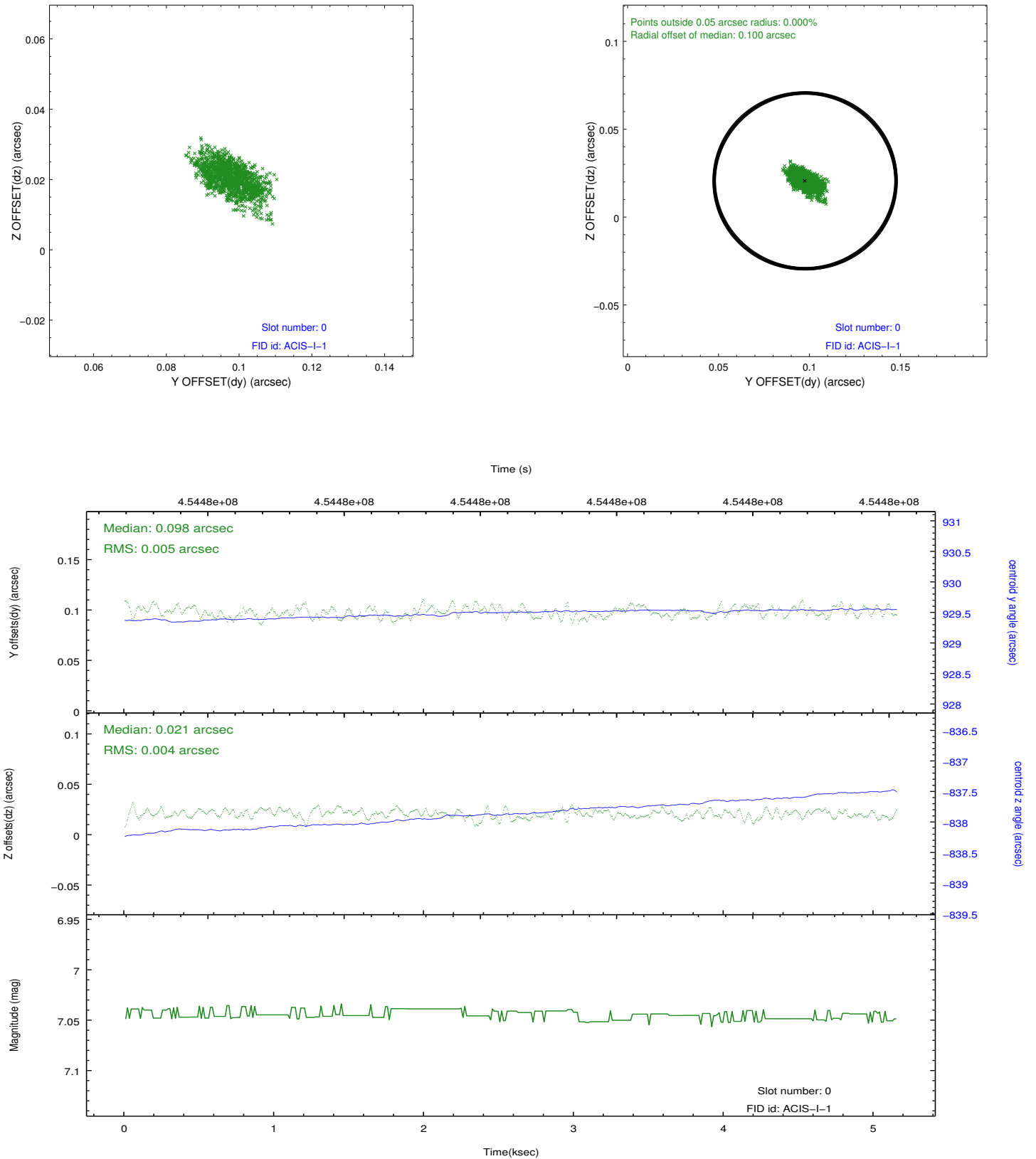


2.4.5 Slot 7

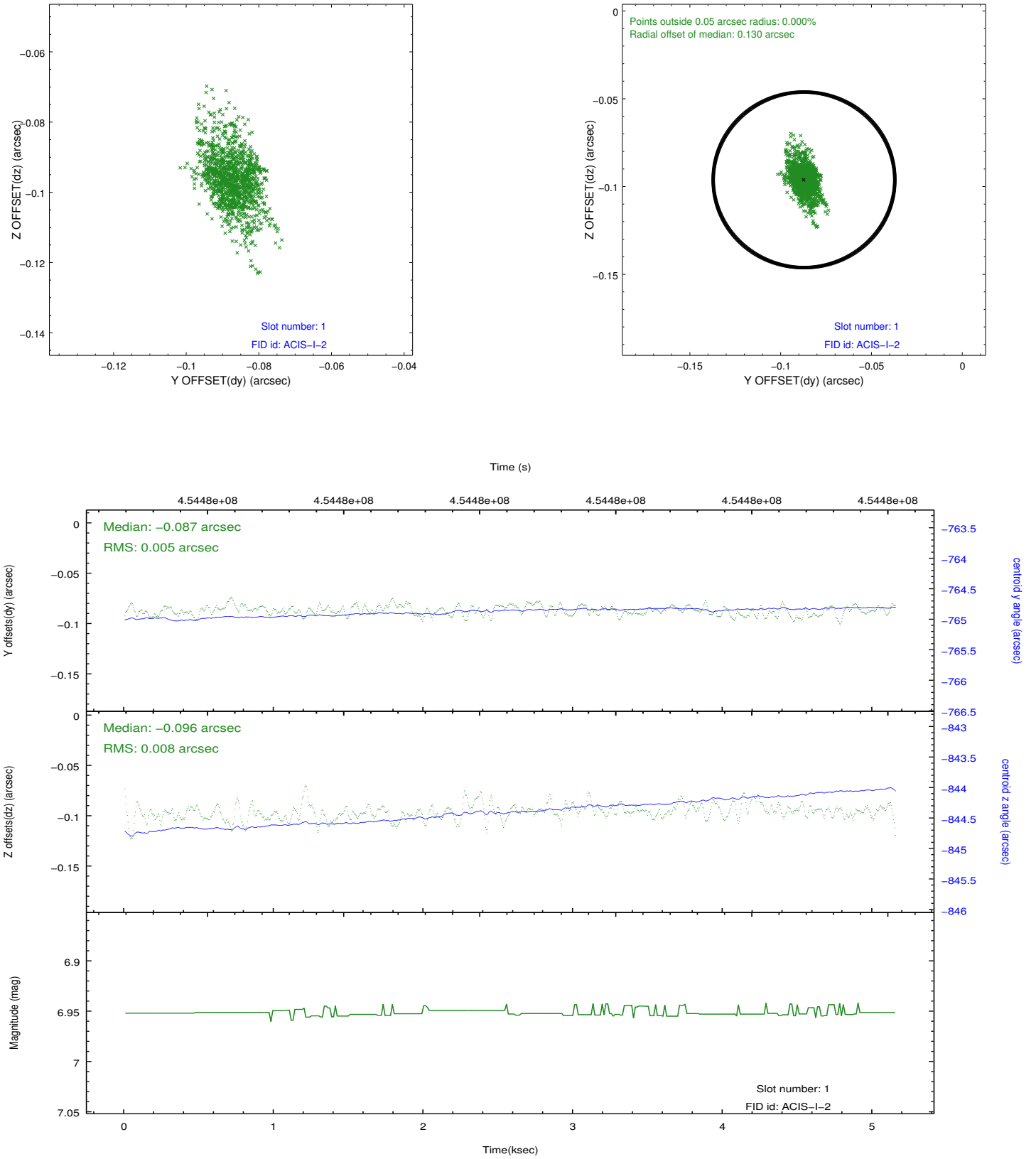


2.5 FID Slots

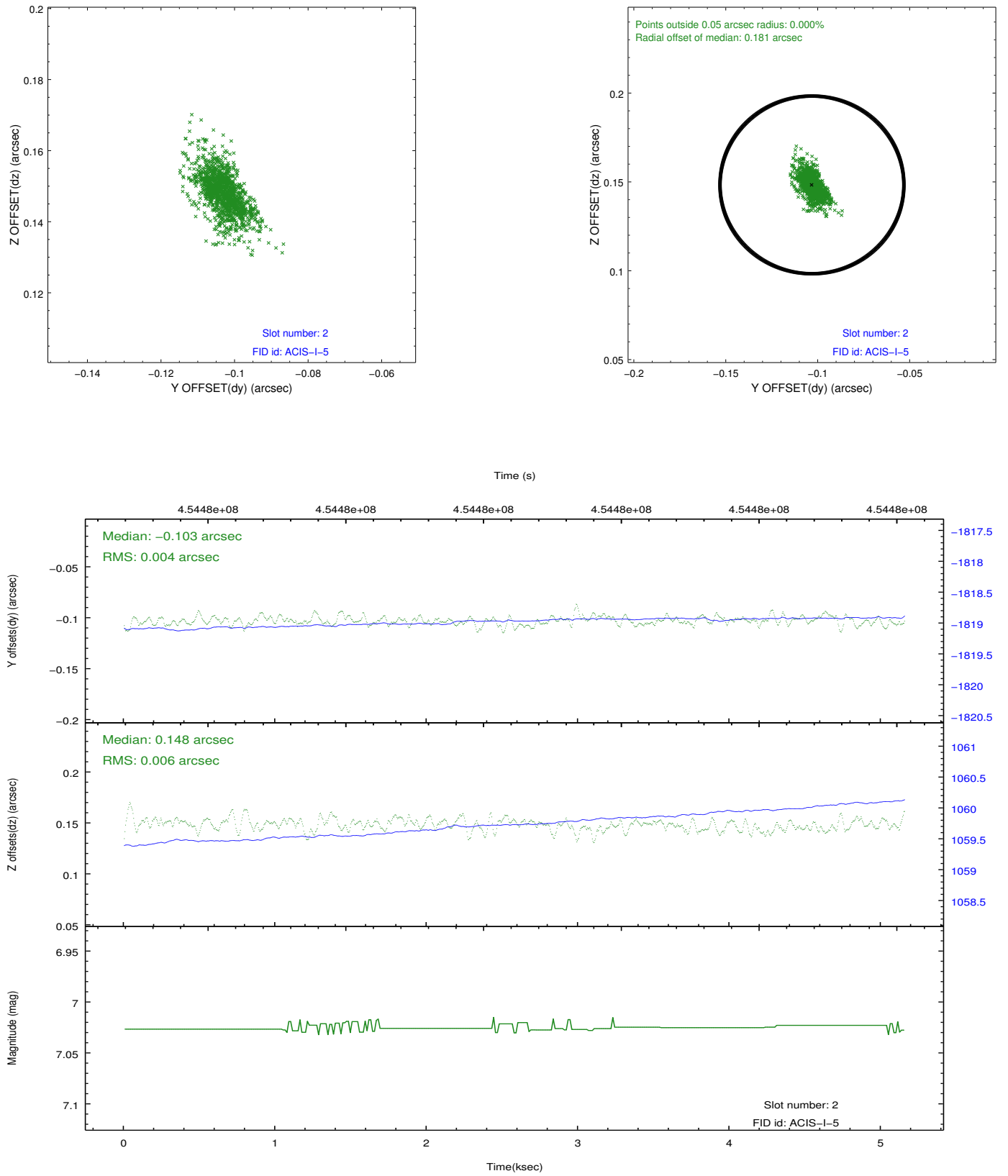
2.5.1 Slot 0



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)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0840000391006

A.2 Comments