

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11653 - L2 Version 2
Chandra X-Ray Center

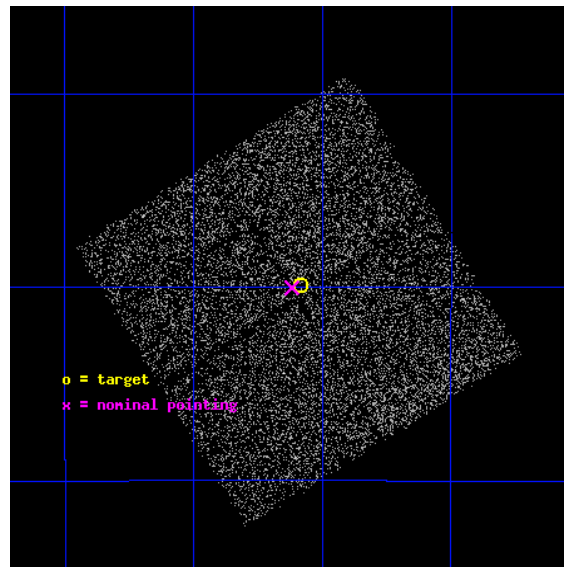
L2 Processing Date : Jun 13 2012

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1 Front

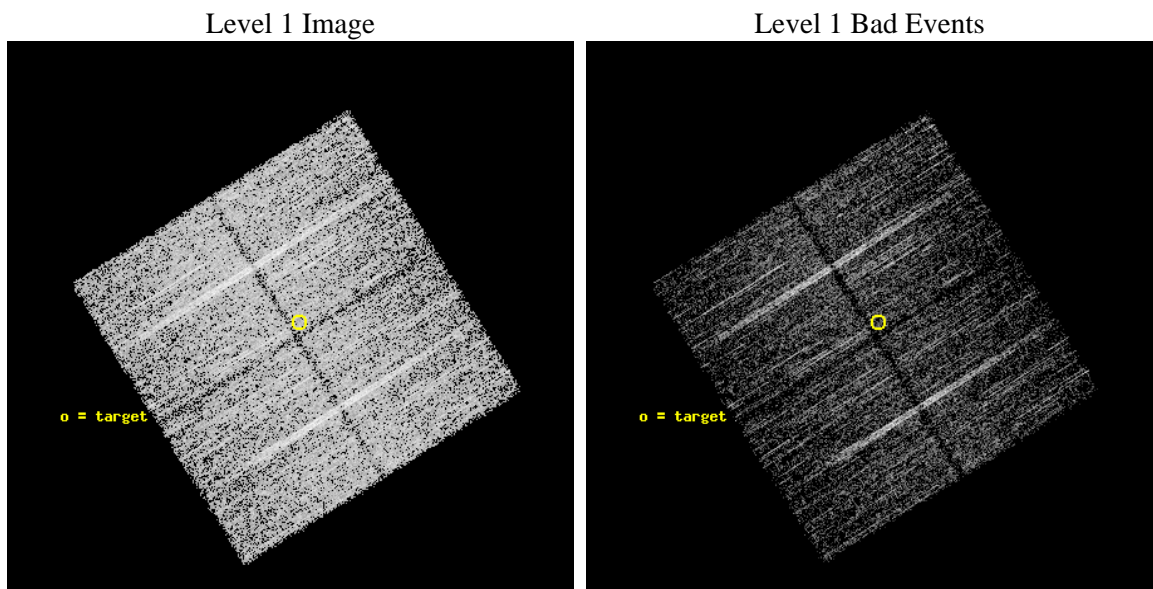
seq_num	702239	Sequence number
obs_id	11653	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_1752	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	335.270833	Observer's specified target RA [deg]
dec_targ	-25.998472	Observer's specified target Dec [deg]
ra_nom	335.27955902149	Nominal RA [deg]
dec_nom	-26.000592427369	Nominal Dec [deg]
roll_nom	328.10955876502	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5167.6590495706	Sum of GTIs [s]
livetime	5100.1397797127	Livetime [s]
ontime0	5167.6590694189	Sum of GTIs [s]
ontime1	5170.8000397682	Sum of GTIs [s]
ontime2	5170.8000397682	Sum of GTIs [s]
ontime3	5167.6590495706	Sum of GTIs [s]
l2events	15240	Number of level 2 events



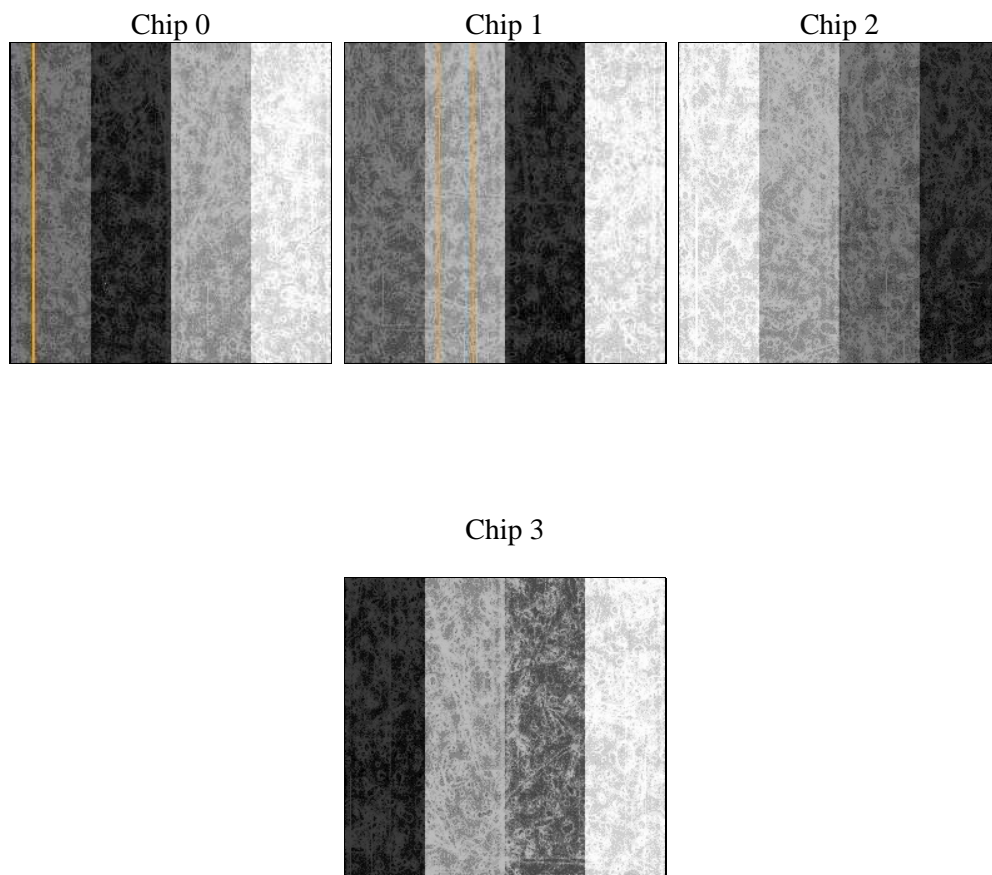
2 OBI

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	5167.6590495706	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	5167.6590694189	Sum of GTIs [s]
date	2012-06-13T02:56:34	Date and time of file creation	ontime1	5170.8000397682	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5170.8000397682	Sum of GTIs [s]
			ontime3	5167.6590495706	Sum of GTIs [s]
			l1events	197135	Number of level 1 events

2.1.4 Events

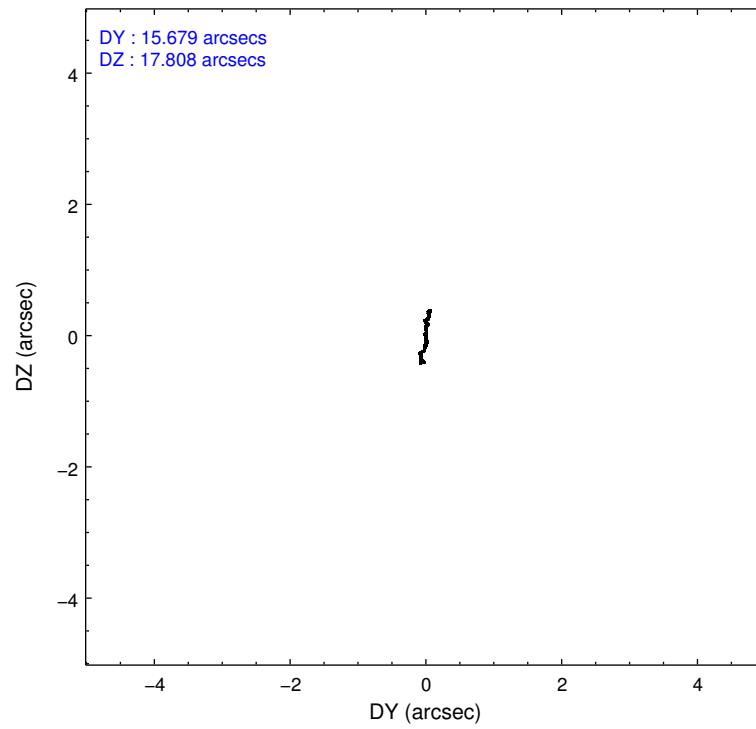
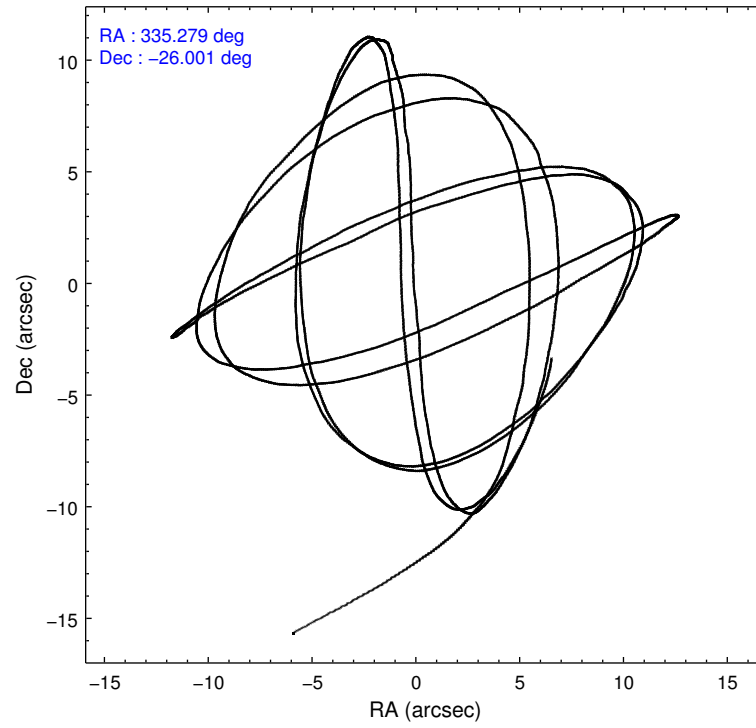
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	47093	47099	51919	51024
rejected events	42544	41998	47417	46653
rejected %	90%	89%	91%	91%

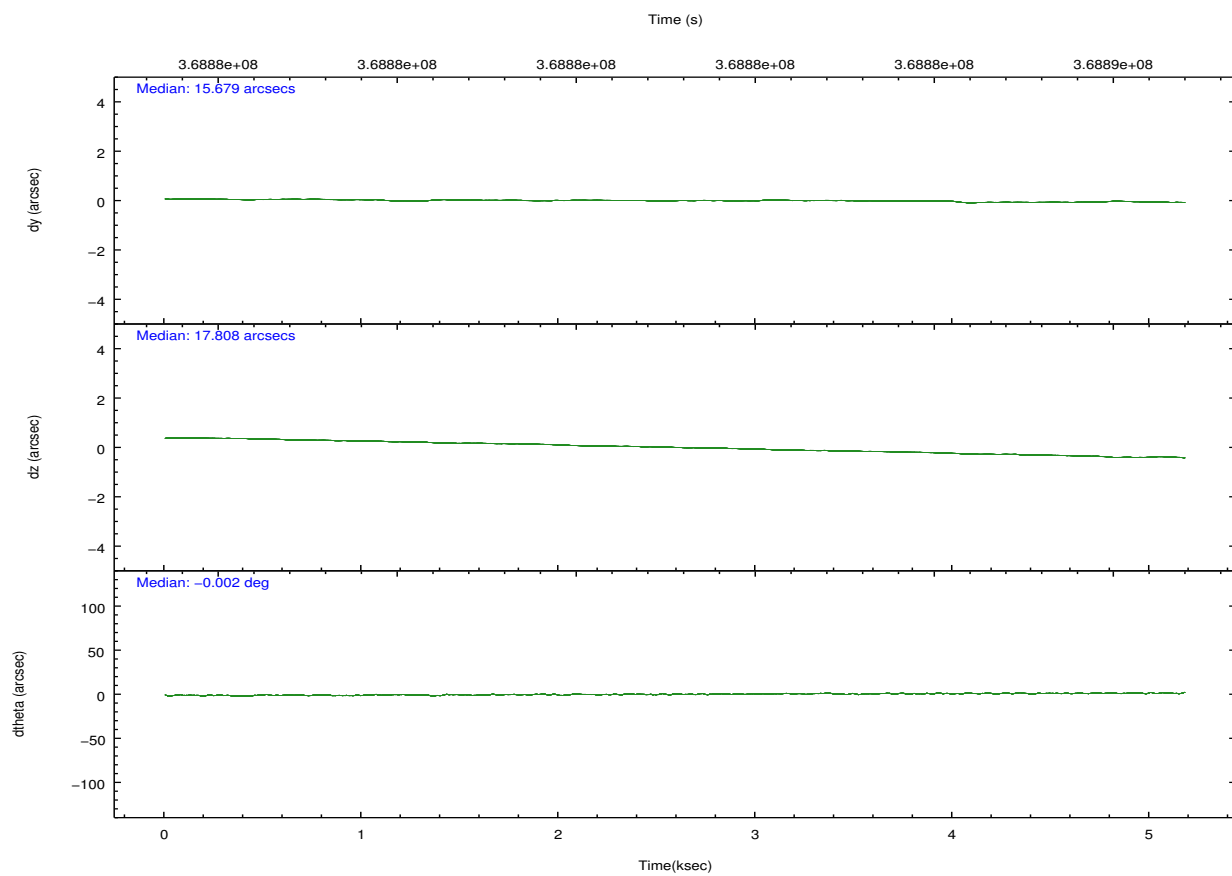
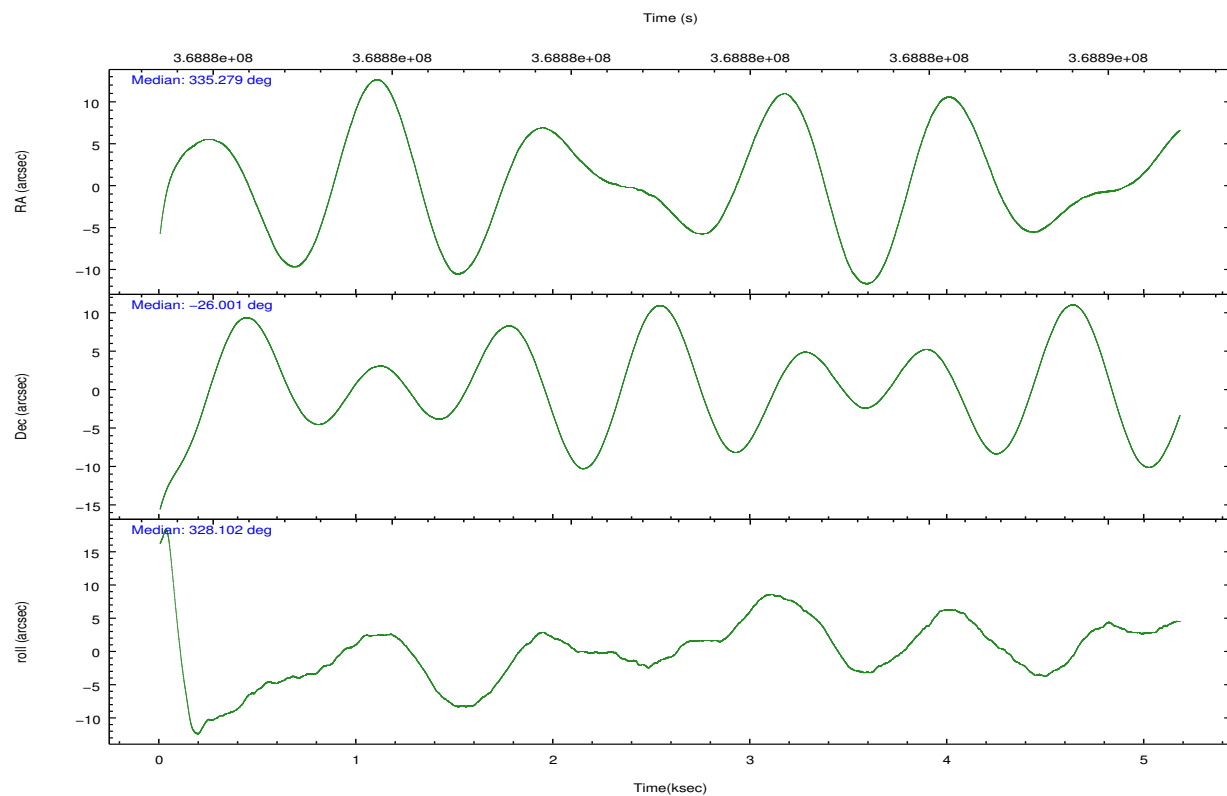
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1765	2077	1855	1729
	3%	4%	3%	3%
grade 1 events	22	21	40	23
	0%	0%	0%	0%
grade 2 events	1317	1283	1283	1077
	2%	2%	2%	2%
grade 3 events	585	661	499	573
	1%	1%	0%	1%
grade 4 events	526	584	547	544
	1%	1%	1%	1%
grade 5 events	1879	2003	1775	2085
	3%	4%	3%	4%
grade 6 events	967	1208	922	1010
	2%	2%	1%	1%
grade 7 events	40032	39262	44998	43983
	85%	83%	86%	86%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	335.248958	335.2795590214941	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.999709	-26.00059242736917	Alternating exposures requested	N	N
[deg] Pointing Roll	327.887365	328.1095587650206	[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)	368881143.184000	368879897.16742			
Observation start date	2009-09-09T10:57:57	2009-09-09T10:38:17			
[s] Observation end time (MET)	368886143.184000	368887146.99278			
Observation end date	2009-09-09T12:21:17	2009-09-09T12:39:06			
Read mode	TIMED	TIMED			

2.3 Aspect



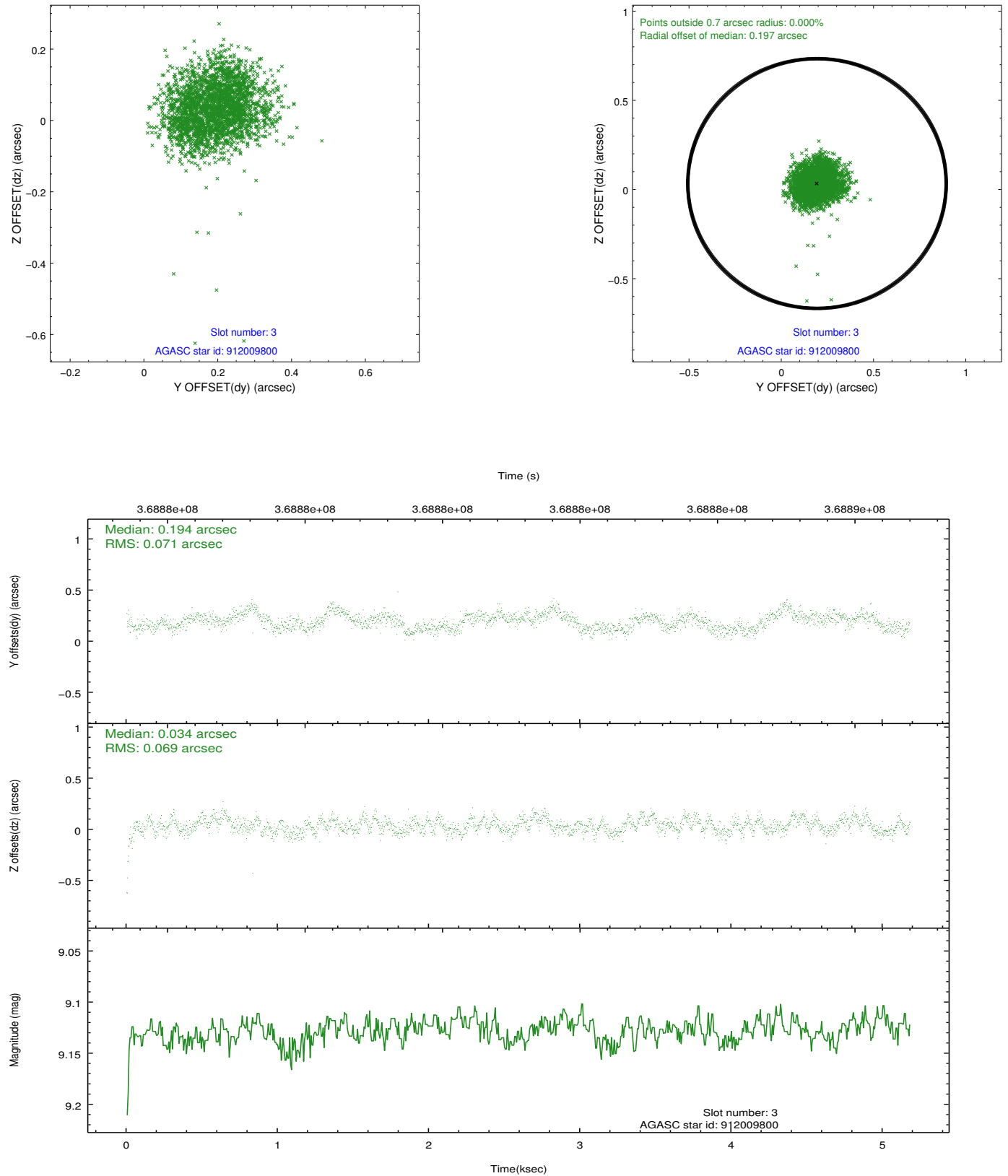


Slot Statistics

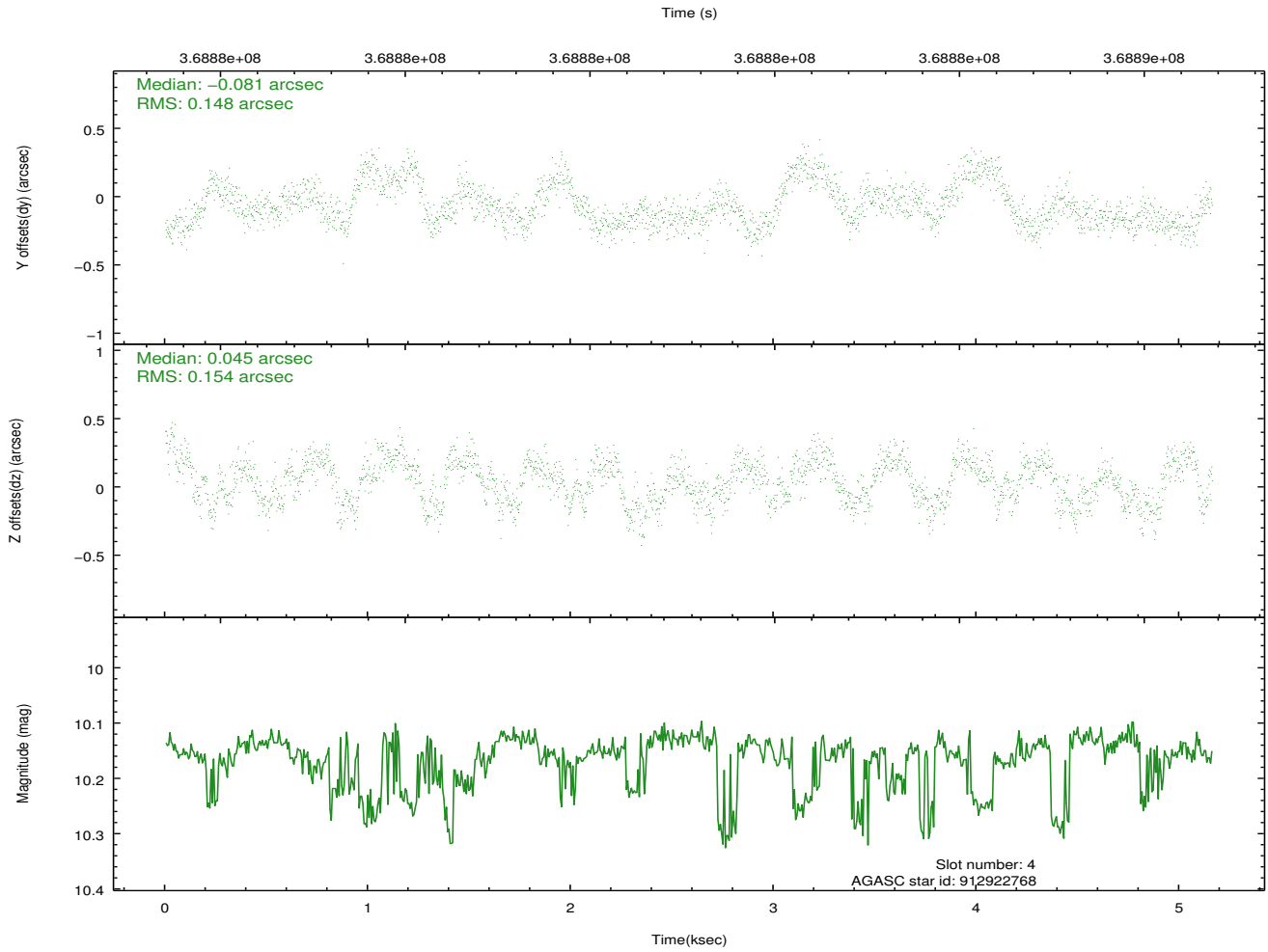
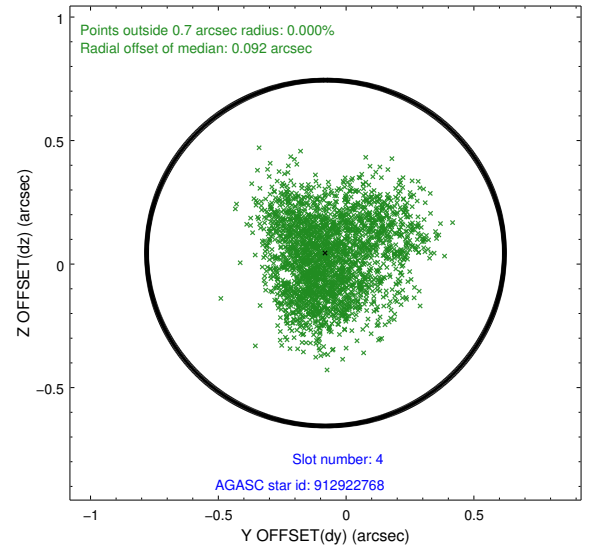
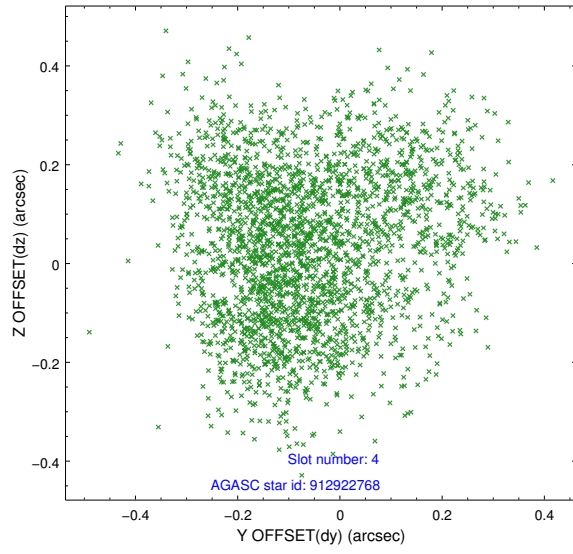
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	1263	0.031	0.029	0.013	0.021	0.000000	0.000000	923.79	-841.45
1	FID	ACIS-I-5	6.98	1263	-0.186	0.051	0.008	0.012	0.000000	0.000000	-1823.88	1055.48
2	FID	ACIS-I-6	7.00	1263	0.063	-0.010	0.009	0.015	0.000000	0.000000	388.10	1701.24
3	GUIDE	912009800	9.13	2522	0.194	0.034	0.104	0.159	334.609941	-26.019361	-1710.29	-1163.18
4	GUIDE	912922768	10.16	2499	-0.081	0.045	0.233	0.363	335.118584	-26.326611	268.73	-1221.27
5	GUIDE	912923792	9.83	2525	0.084	-0.175	0.130	0.211	335.861086	-26.222960	2104.34	366.02
6	GUIDE	912926464	7.94	2527	-0.222	-0.011	0.080	0.128	335.810310	-25.842280	1245.41	1445.24
7	GUIDE	912926944	9.54	2516	-0.009	0.124	0.198	0.290	335.033103	-26.241706	-126.21	-1108.04

2.4 Star Slots

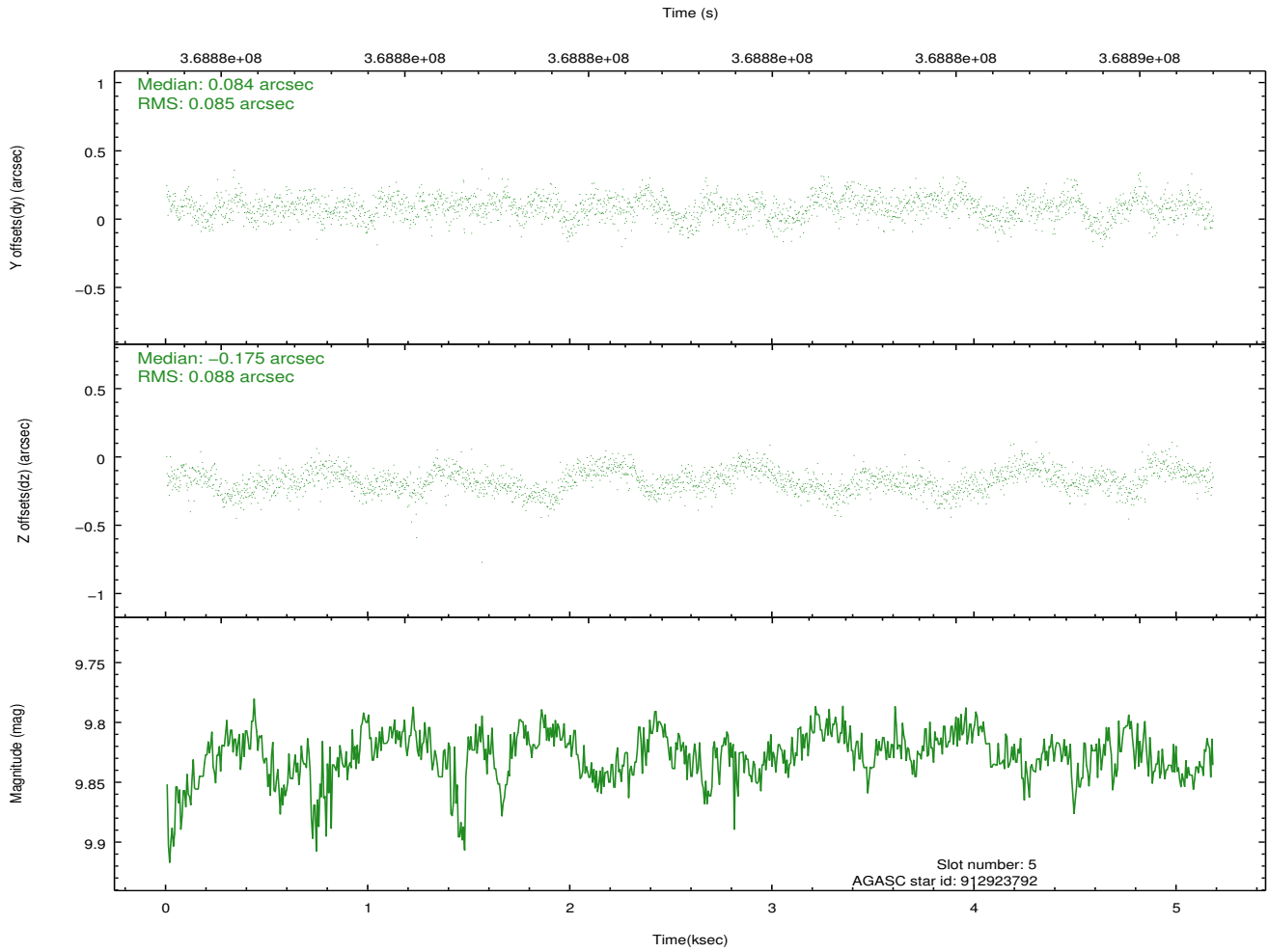
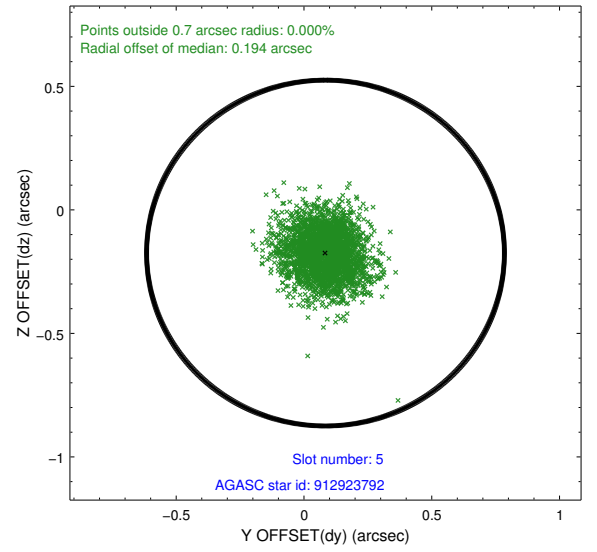
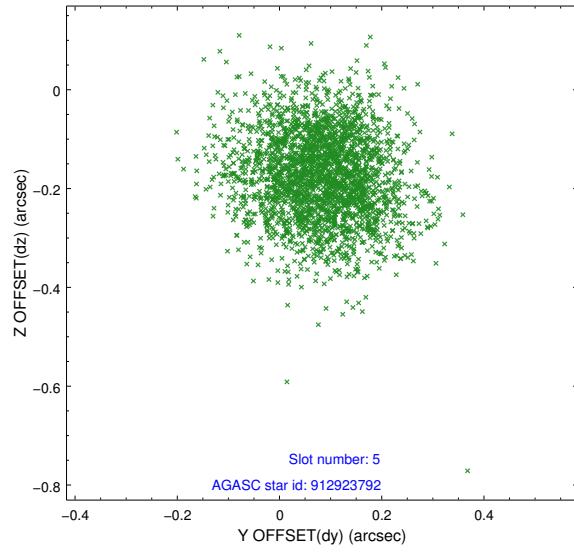
2.4.1 Slot 3



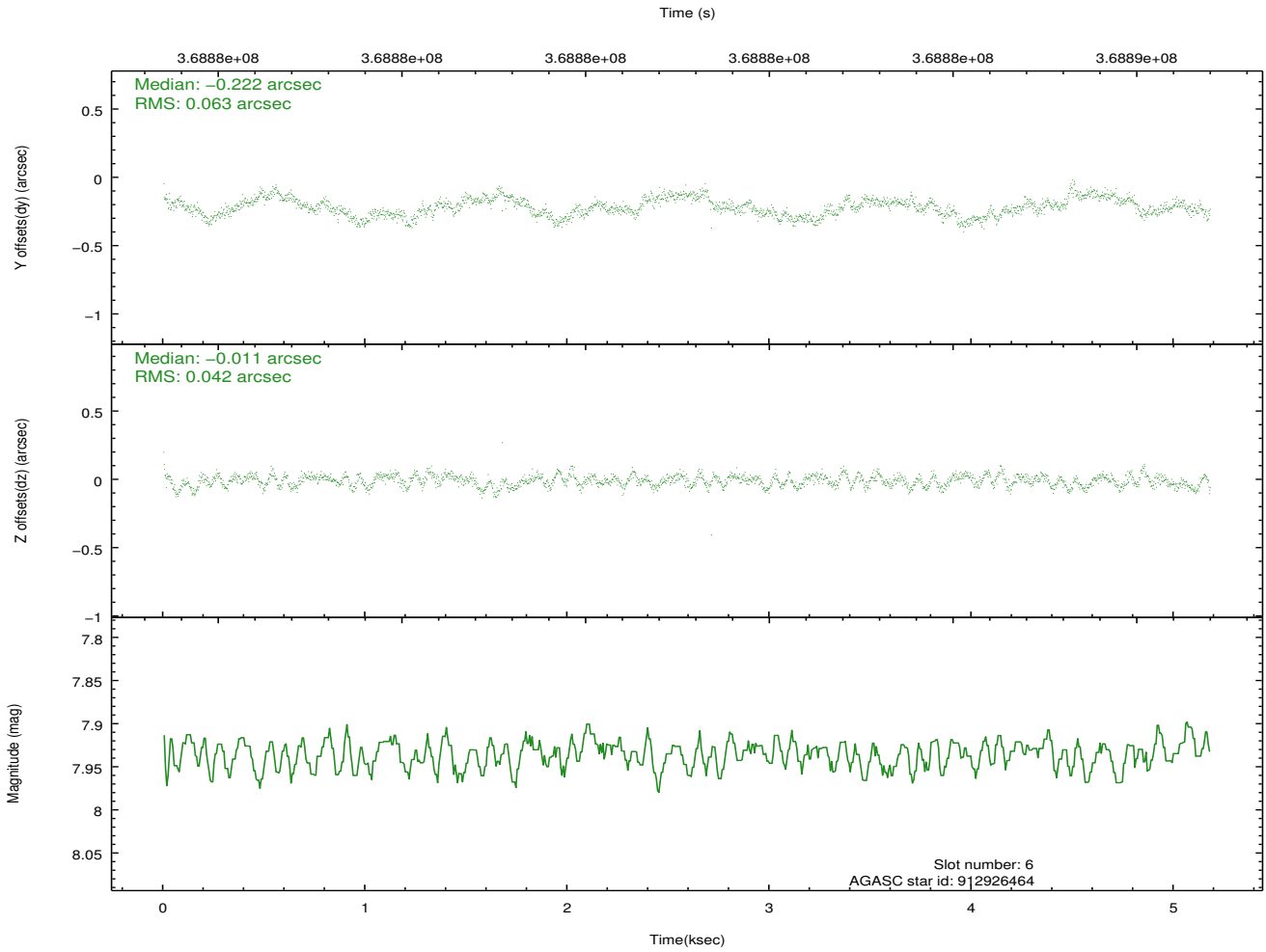
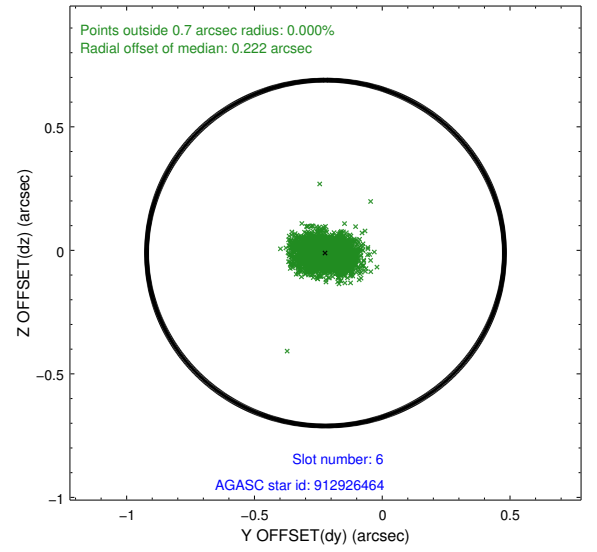
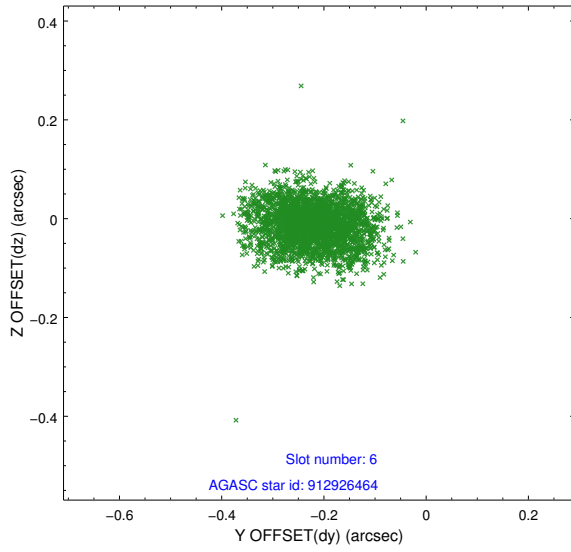
2.4.2 Slot 4



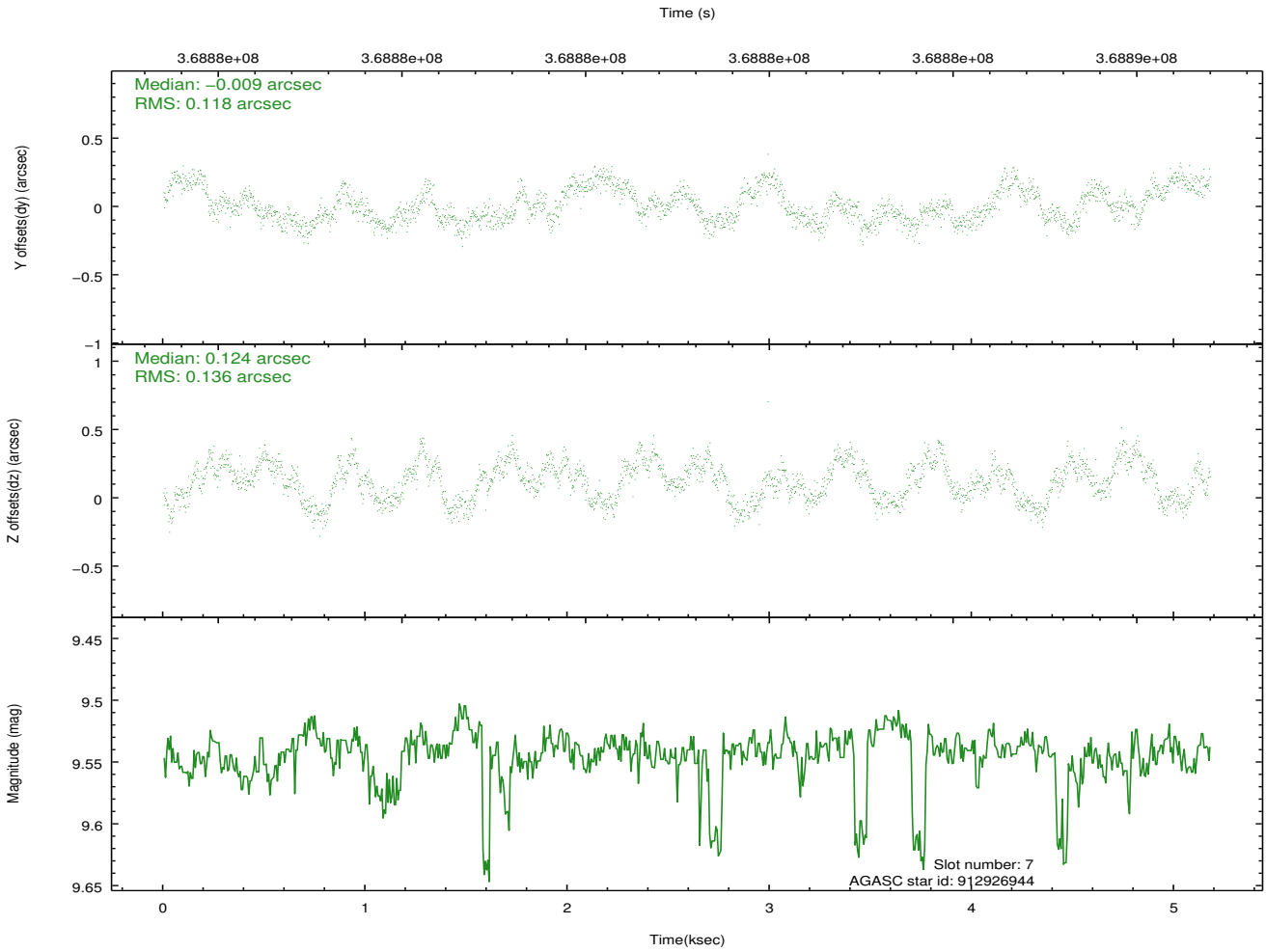
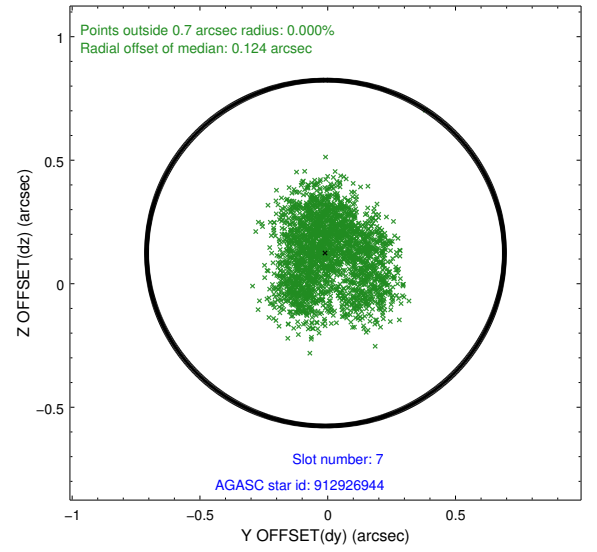
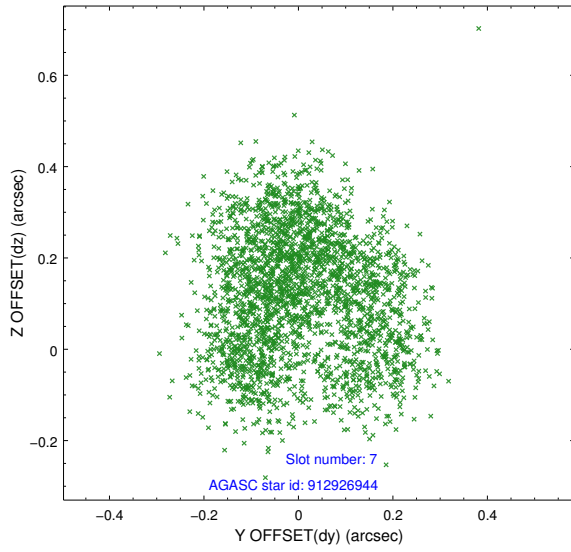
2.4.3 Slot 5



2.4.4 Slot 6

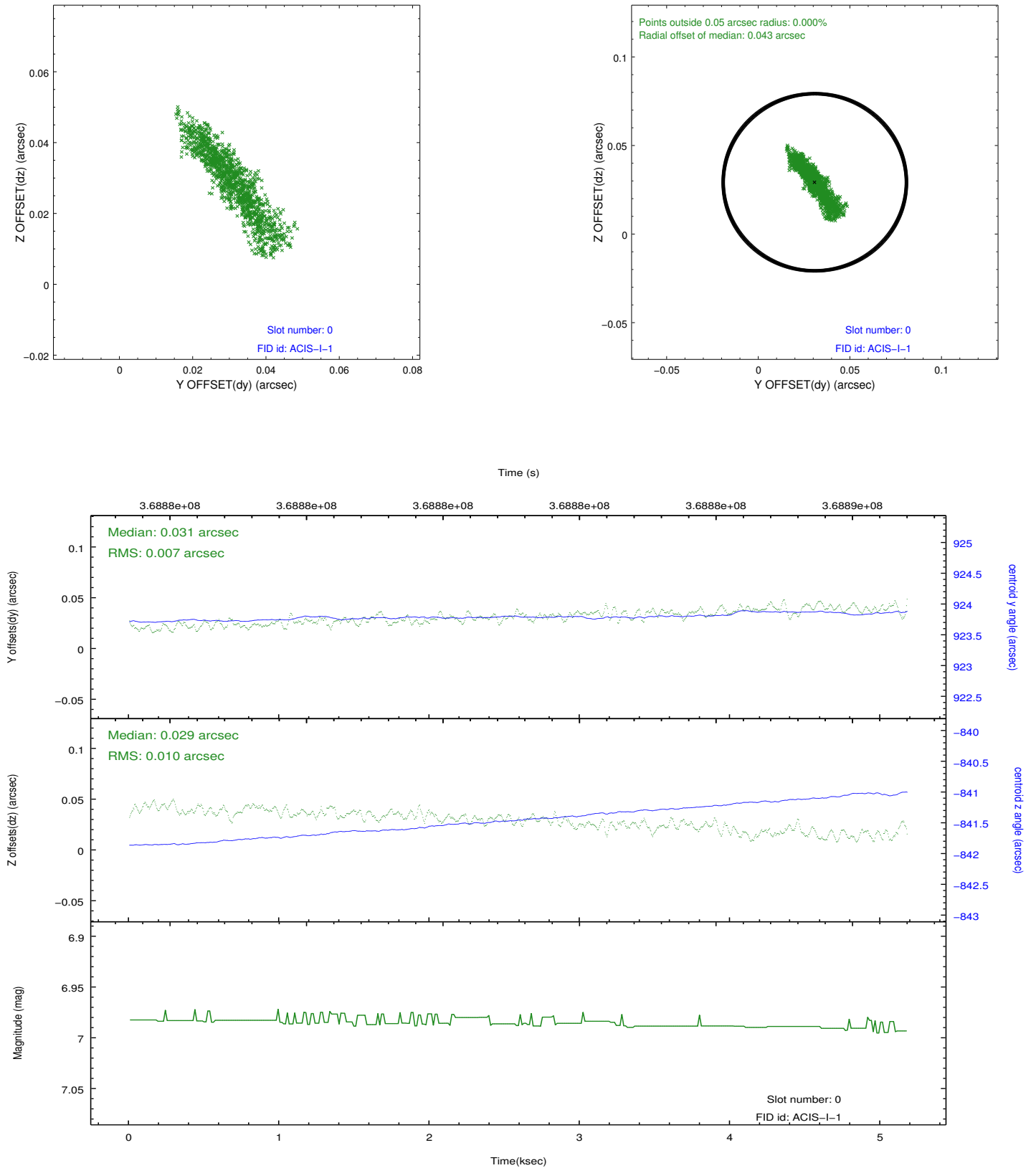


2.4.5 Slot 7

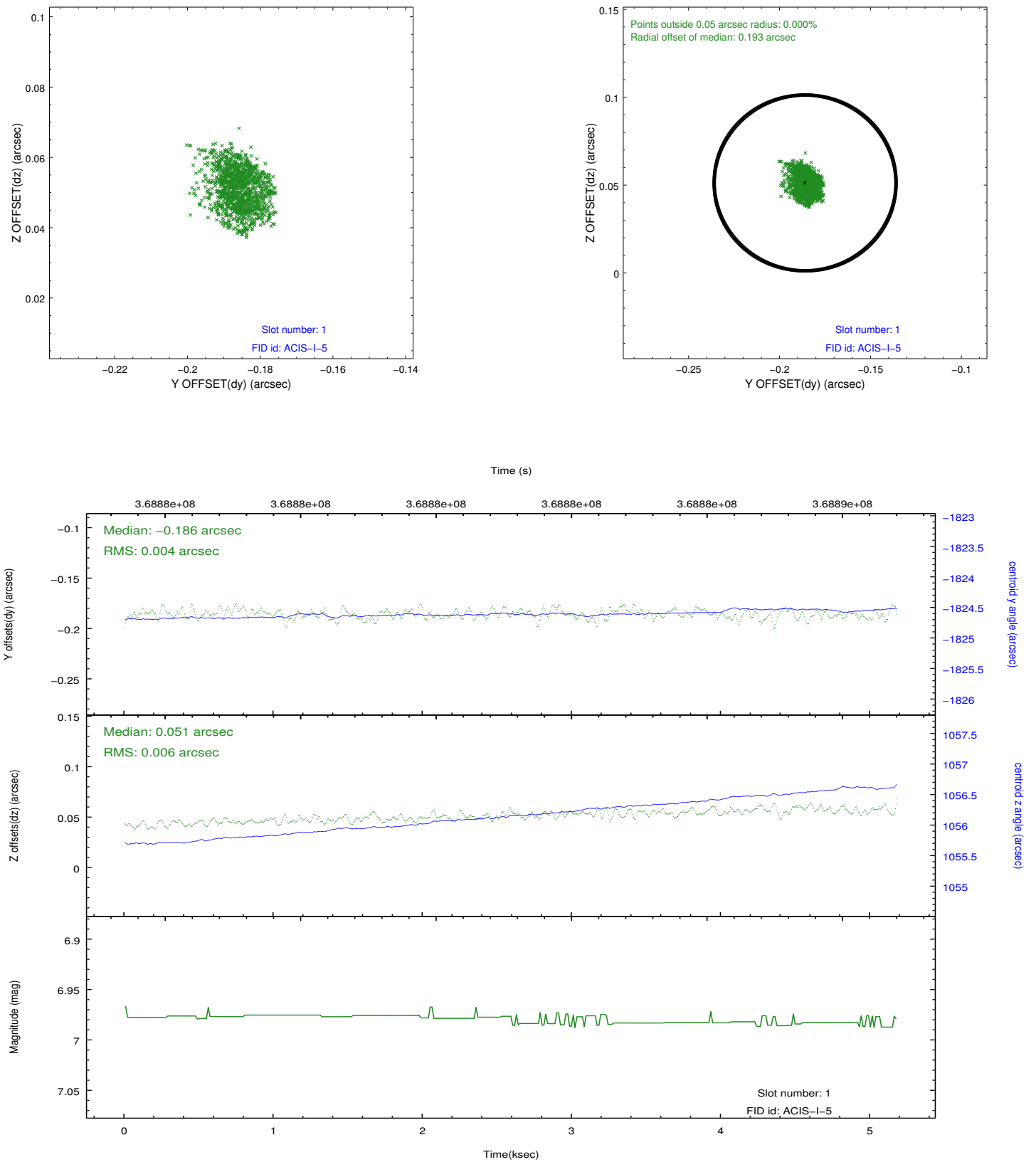


2.5 FID Slots

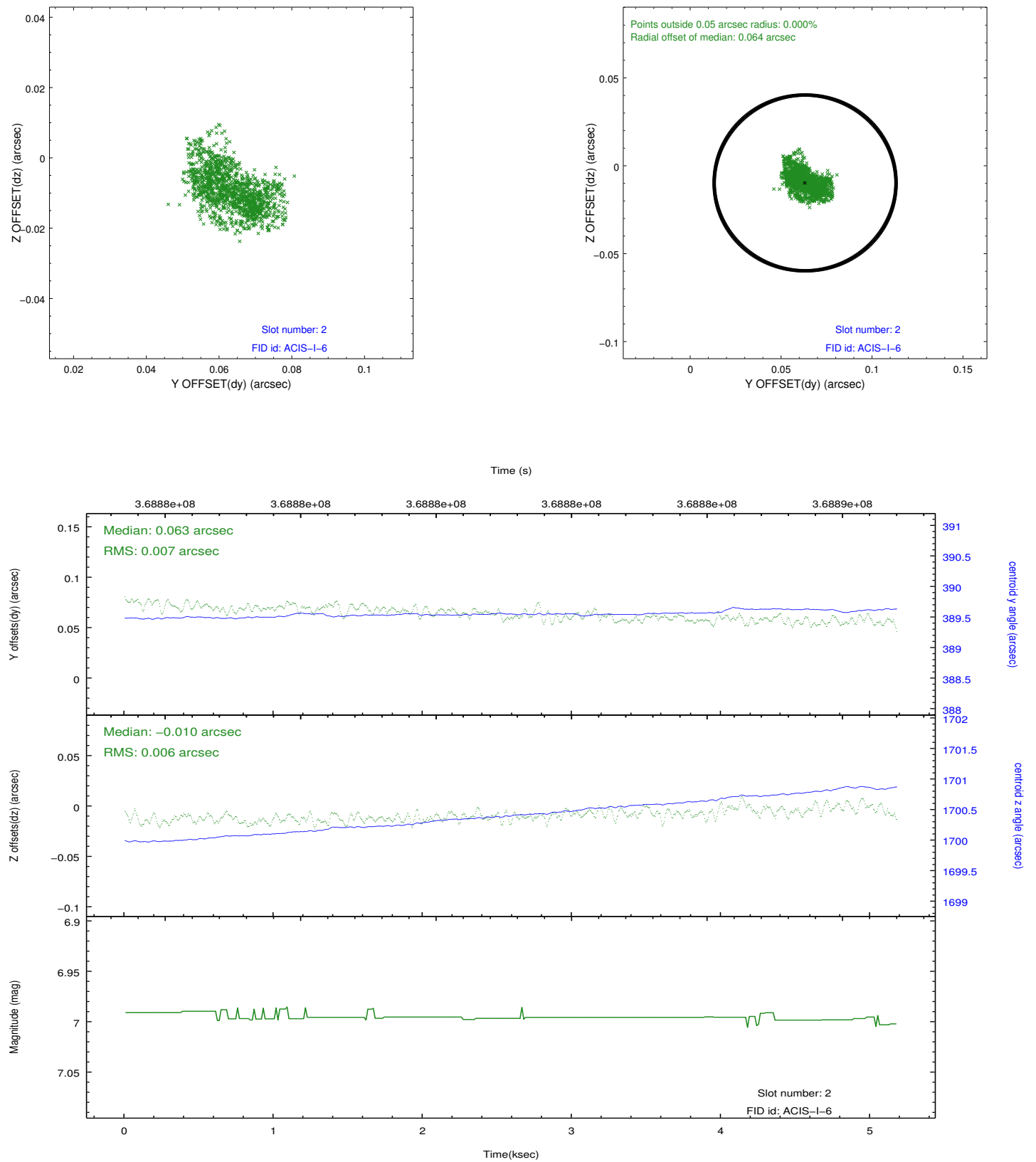
2.5.1 Slot 0



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)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1676590495706

A.2 Comments