

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7691 - L2 Version 3
Chandra X-Ray Center

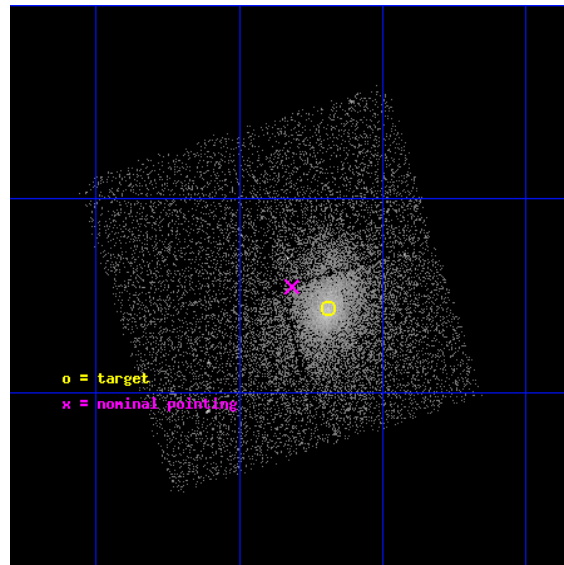
L2 Processing Date : Apr 20 2012

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1 Front

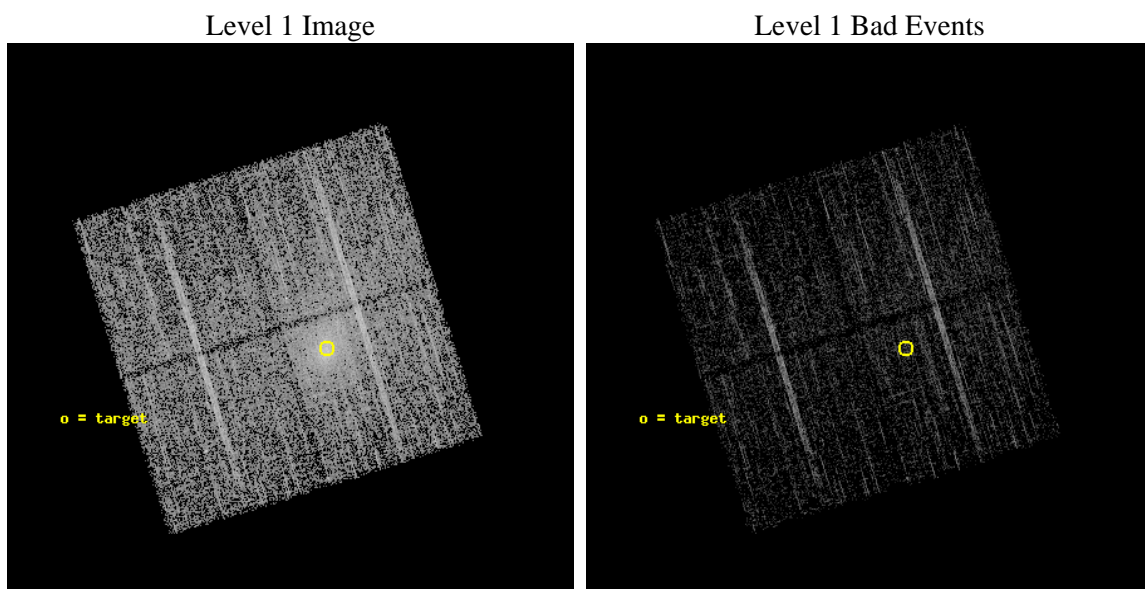
seq_num	701359	Sequence number
obs_id	7691	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	Abell1650	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.672083	Observer's specified target RA [deg]
dec_targ	-1.761389	Observer's specified target Dec [deg]
ra_nom	194.70425958338	Nominal RA [deg]
dec_nom	-1.7424953932029	Nominal Dec [deg]
roll_nom	72.669223582244	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5055.4652843475	Sum of GTIs [s]
livetime	4989.4119086281	Livetime [s]
ontime0	5055.3421643376	Sum of GTIs [s]
ontime1	5055.3832043409	Sum of GTIs [s]
ontime2	5055.4242443442	Sum of GTIs [s]
ontime3	5055.4652843475	Sum of GTIs [s]
l2events	24434	Number of level 2 events



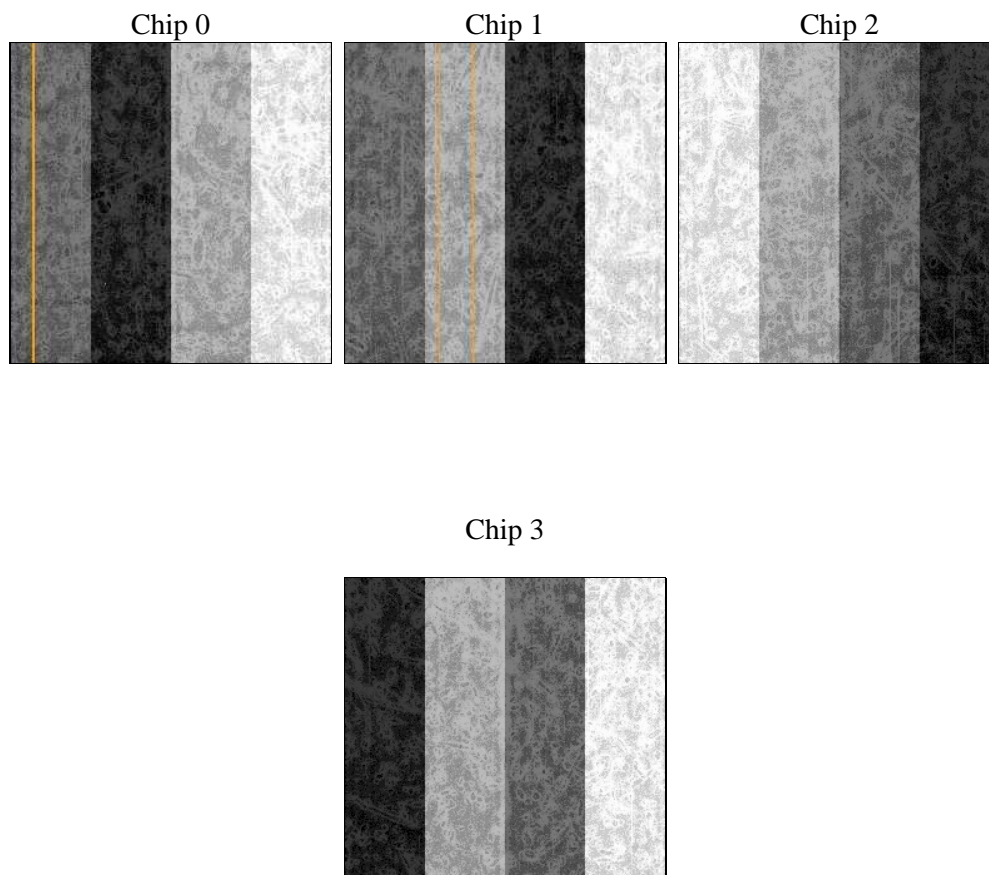
2 OBI

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	5055.4652843475	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5055.3421643376	Sum of GTIs [s]
date	2012-04-20T14:33:53	Date and time of file creation	ontime1	5055.3832043409	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5055.4242443442	Sum of GTIs [s]
			ontime3	5055.4652843475	Sum of GTIs [s]
			l1events	145455	Number of level 1 events

2.1.4 Events

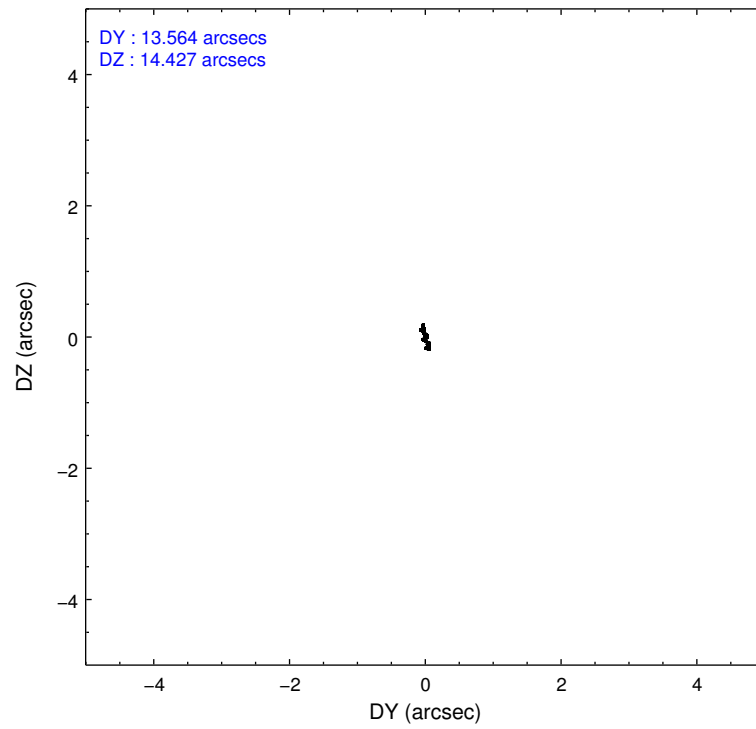
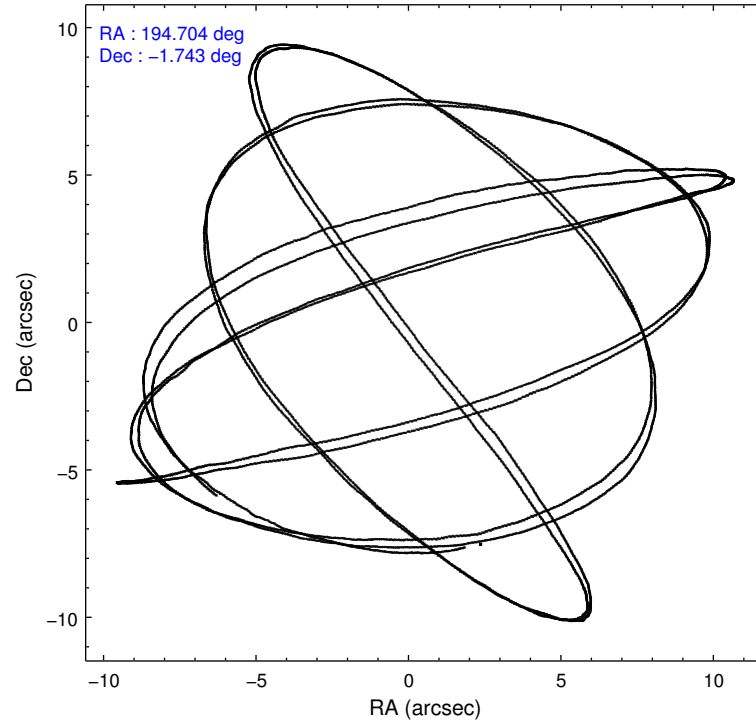
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	30942	30725	39124	44664
rejected events	27627	25971	33949	30337
rejected %	89%	84%	86%	67%

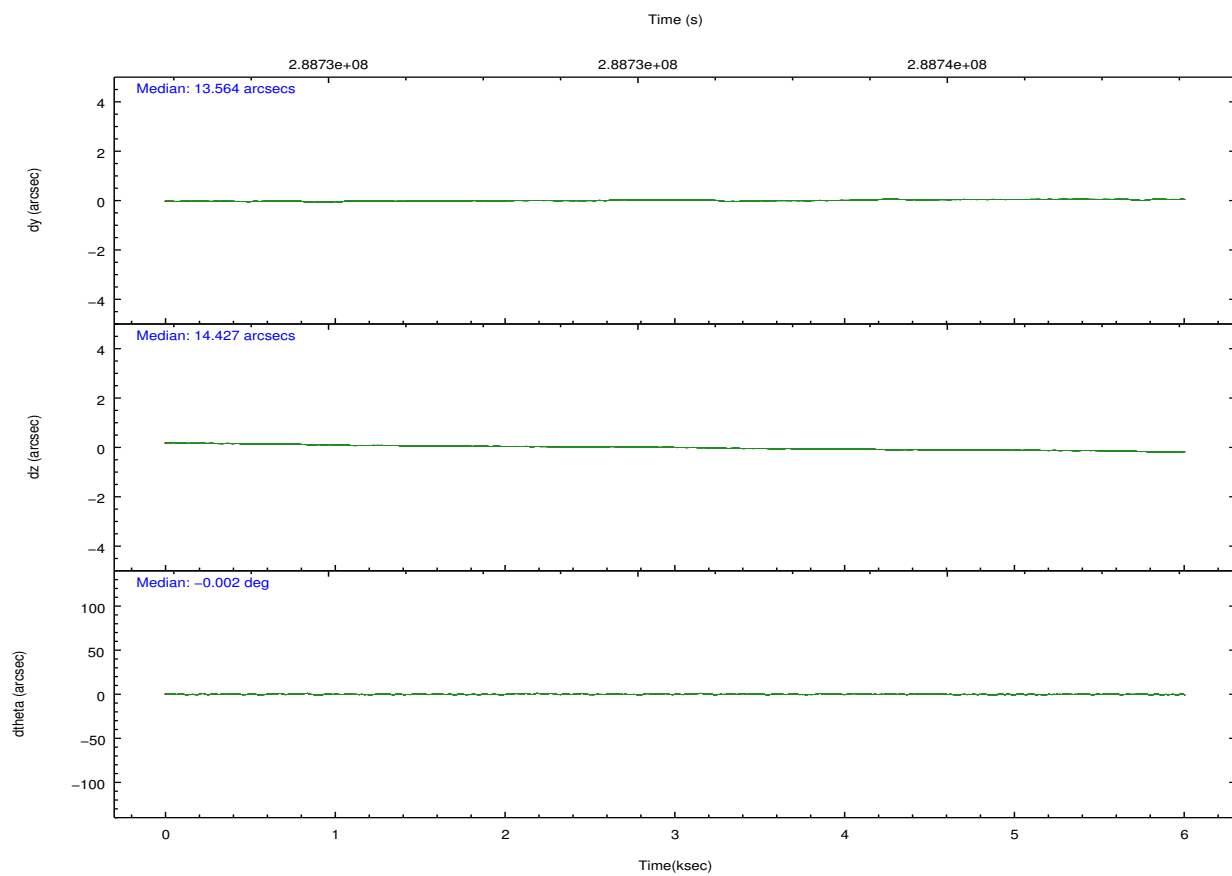
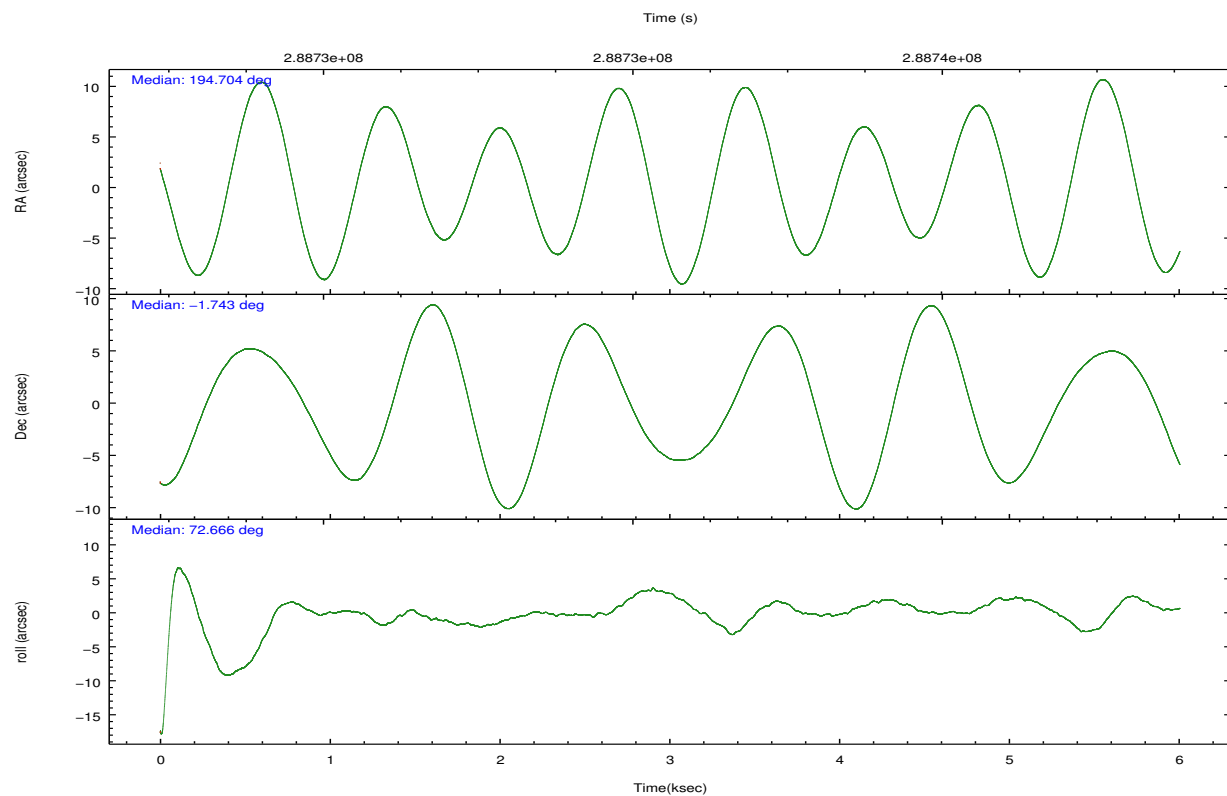
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1552	2612	3123	10523
	5%	8%	7%	23%
grade 1 events	23	18	27	90
	0%	0%	0%	0%
grade 2 events	710	806	878	1743
	2%	2%	2%	3%
grade 3 events	334	423	338	681
	1%	1%	0%	1%
grade 4 events	318	402	395	667
	1%	1%	1%	1%
grade 5 events	529	637	494	726
	1%	2%	1%	1%
grade 6 events	411	517	442	724
	1%	1%	1%	1%
grade 7 events	27065	25310	33427	29510
	87%	82%	85%	66%

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	194.710492	194.7042595833771	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.769332	-1.742495393202895	Alternating exposures requested	N	N
[deg] Pointing Roll	72.460783	72.66922358224437	[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)	288732237.184000	288730960.96717			
Observation start date	2007-02-24T19:22:52	2007-02-24T19:02:40			
[s] Observation end time (MET)	288737237.184000	288738011.9425			
Observation end date	2007-02-24T20:46:12	2007-02-24T21:00:11			
Read mode	TIMED	TIMED			

2.3 Aspect



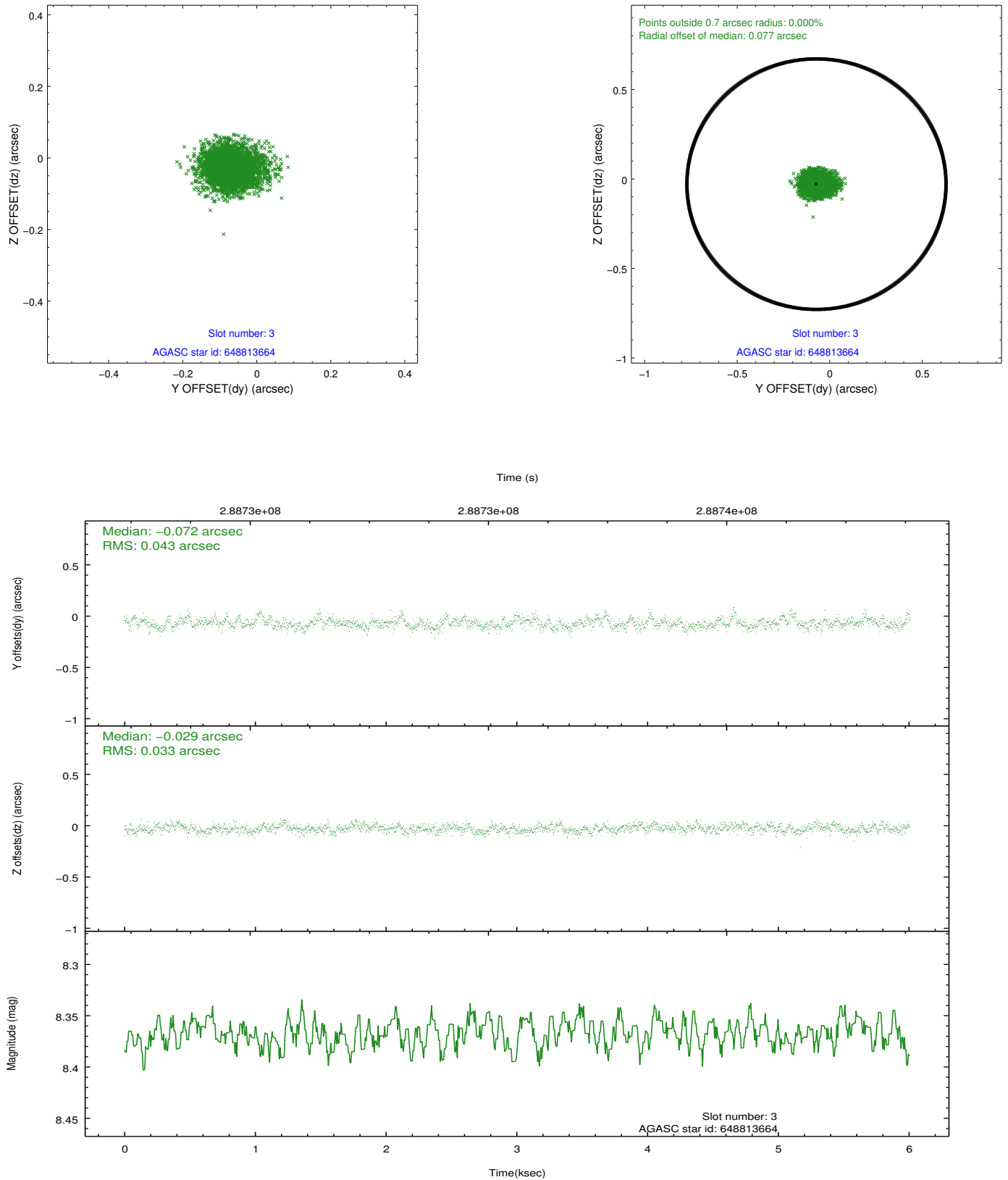


Slot Statistics

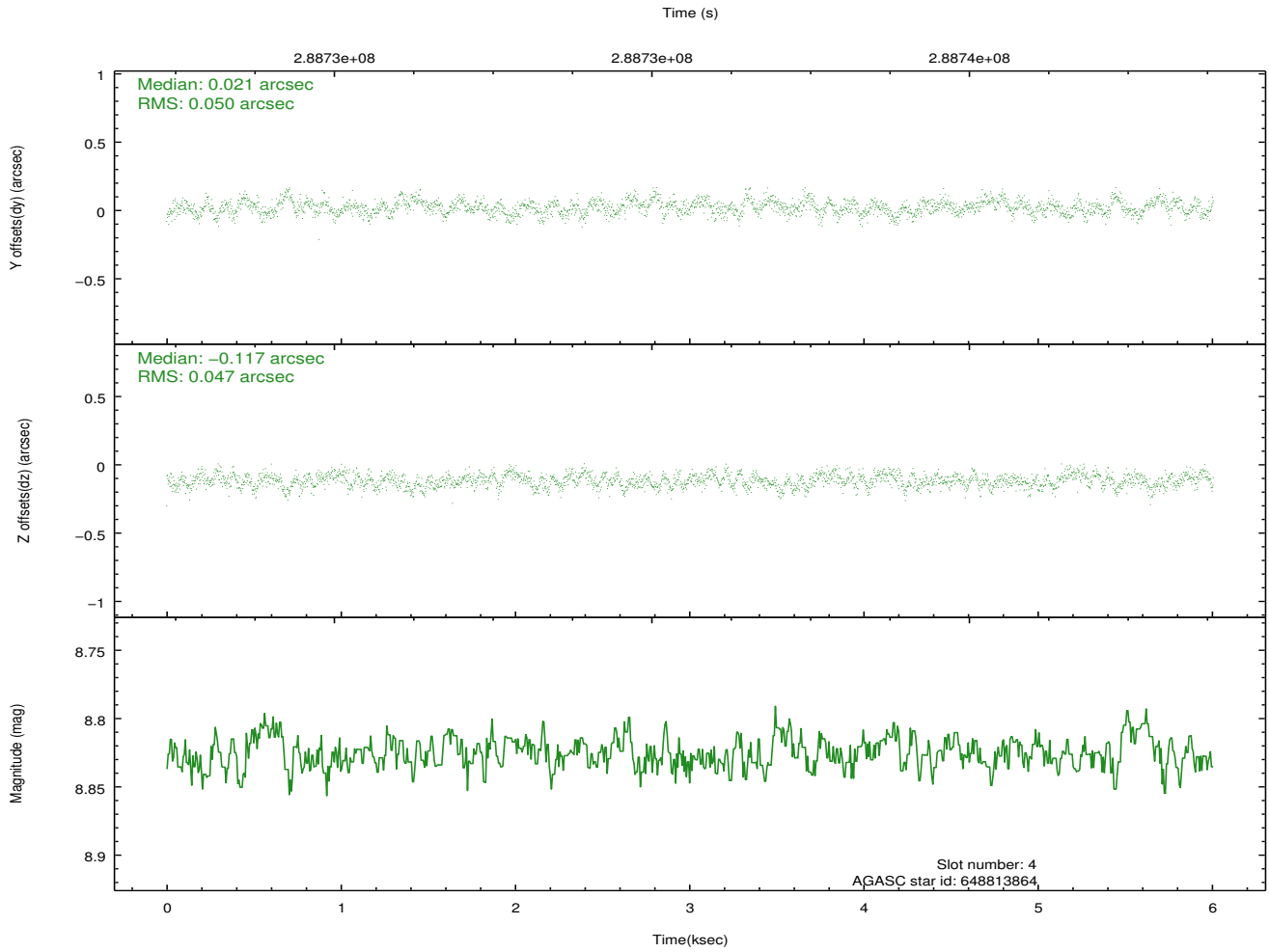
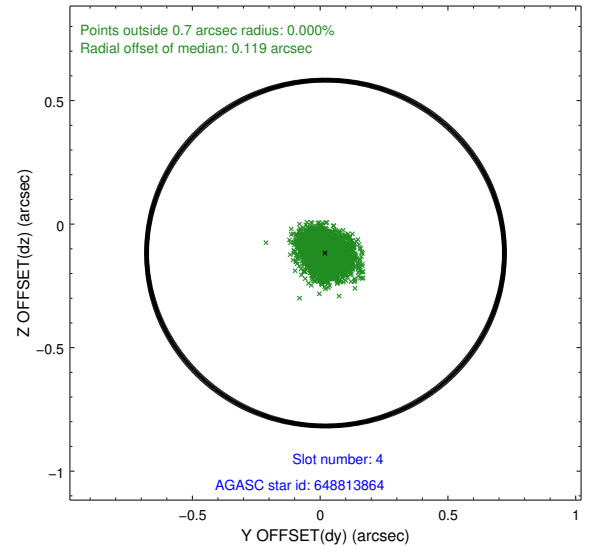
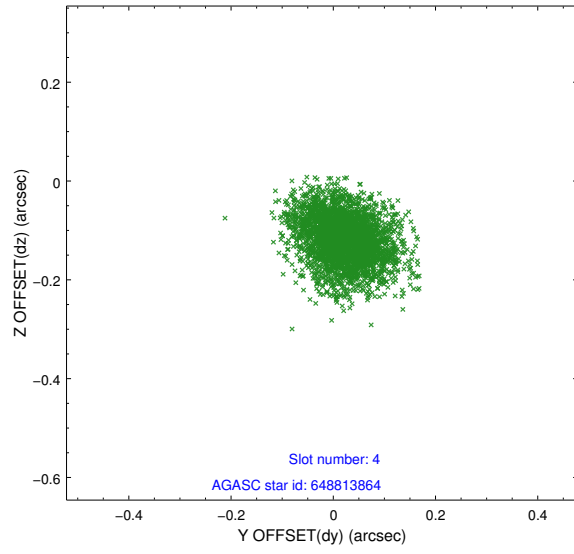
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1466	0.038	-0.008	0.007	0.012	0.000000	0.000000	925.97	-838.00
1	FID	ACIS-I-5	7.23	1466	-0.225	0.039	0.006	0.010	0.000000	0.000000	-1821.87	1059.02
2	FID	ACIS-I-6	7.24	1466	0.095	0.039	0.007	0.013	0.000000	0.000000	390.48	1704.66
3	GUIDE	648813664	8.37	2929	-0.072	-0.029	0.057	0.095	194.615044	-1.051809	2359.61	1105.99
4	GUIDE	648813864	8.83	2929	0.021	-0.117	0.073	0.118	194.235605	-1.103465	1771.35	2352.19
5	GUIDE	648814560	8.80	2930	-0.079	-0.096	0.075	0.120	194.841018	-1.130344	2335.72	245.78
6	GUIDE	648815800	9.53	2916	0.193	-0.005	0.113	0.194	194.475560	-2.052849	-1226.57	498.14
7	GUIDE	649730488	7.85	2929	-0.061	0.247	0.076	0.124	195.031921	-1.185947	2351.00	-470.09

2.4 Star Slots

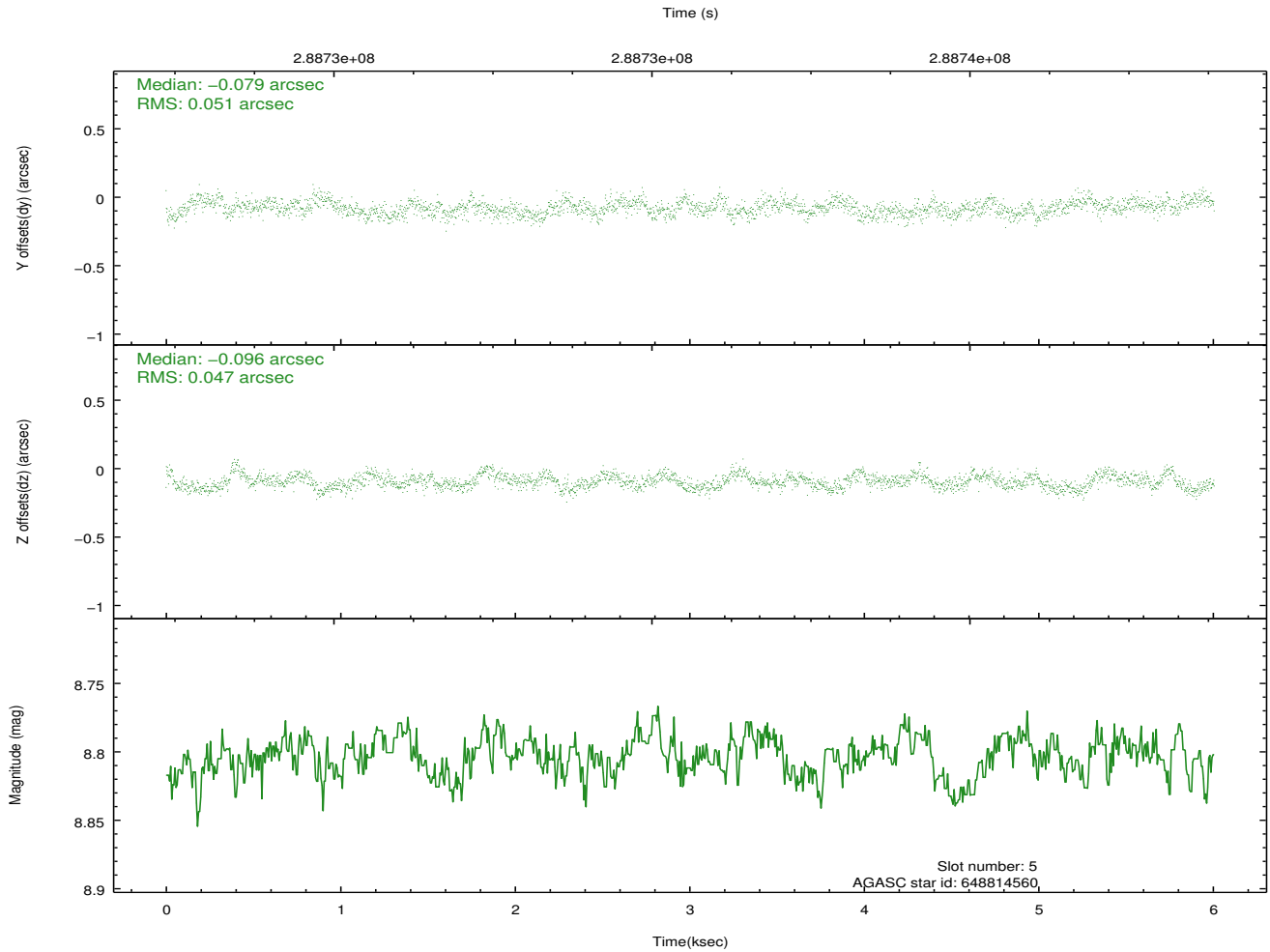
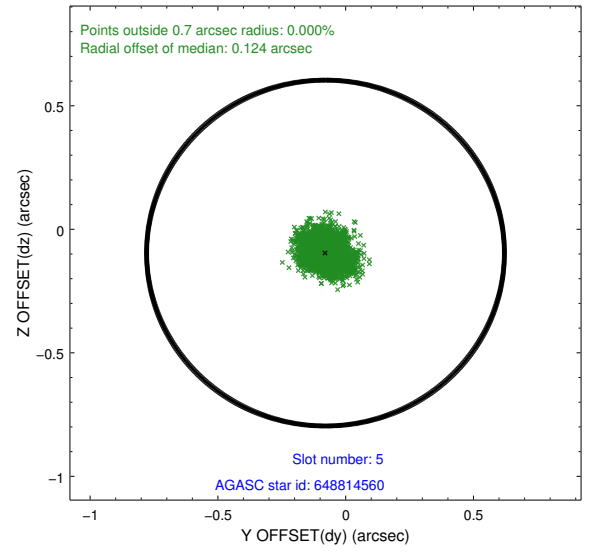
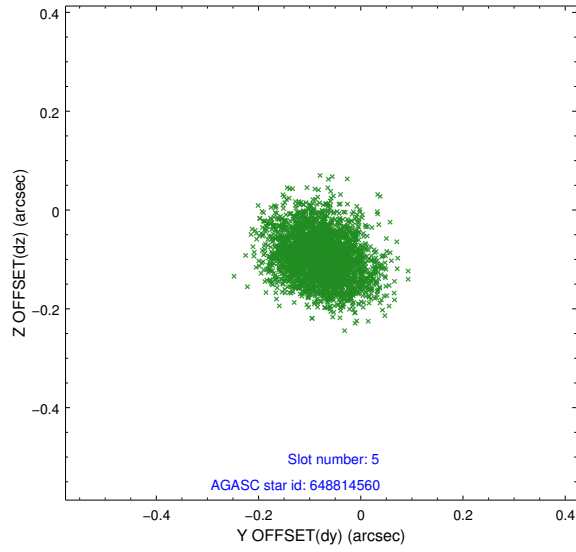
2.4.1 Slot 3



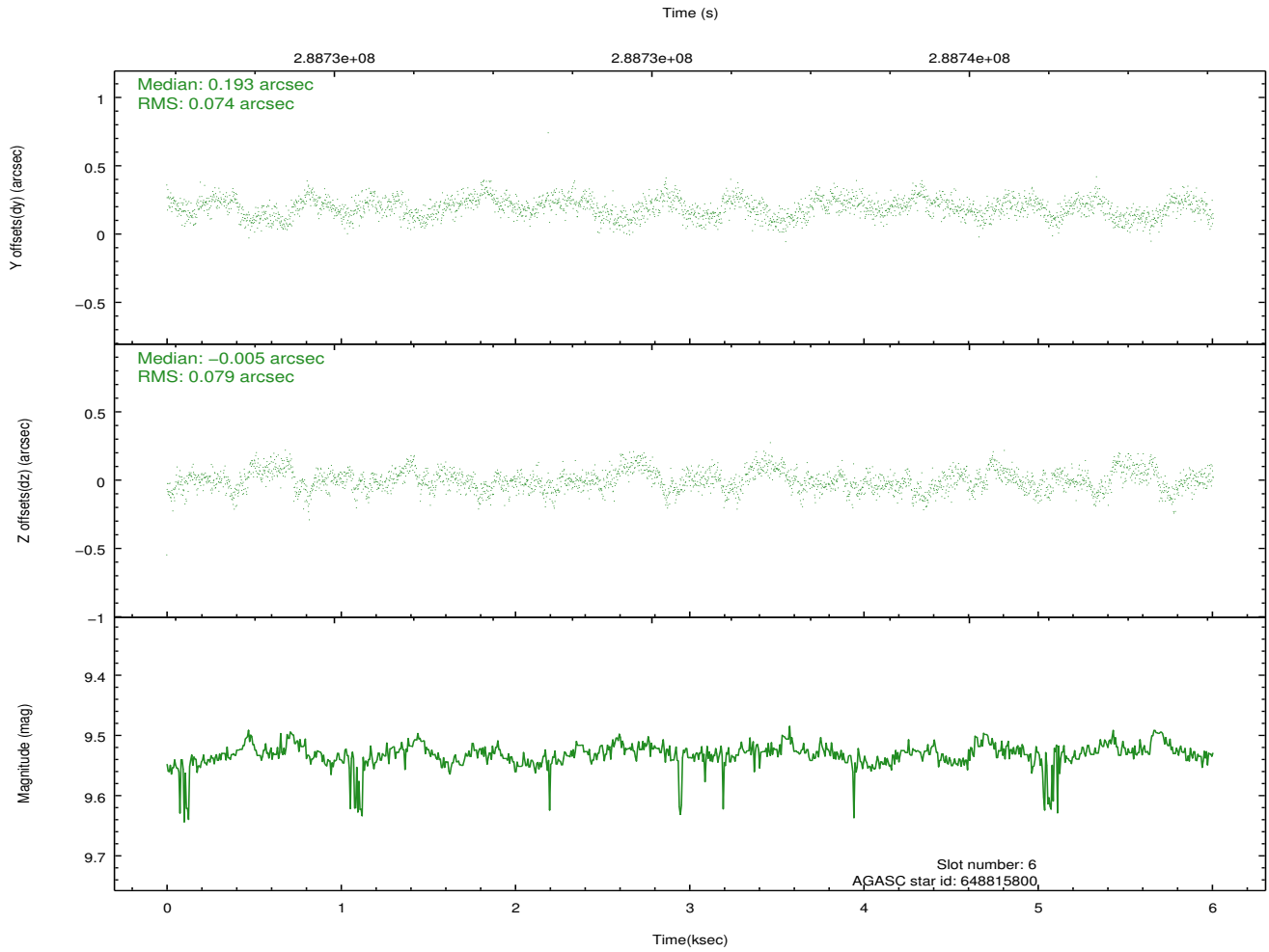
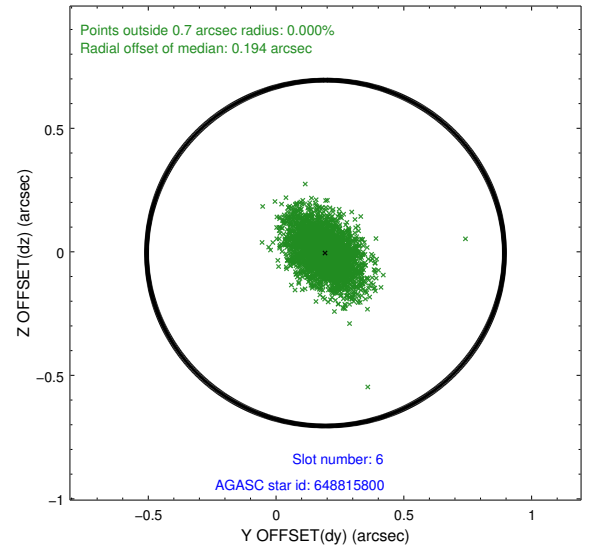
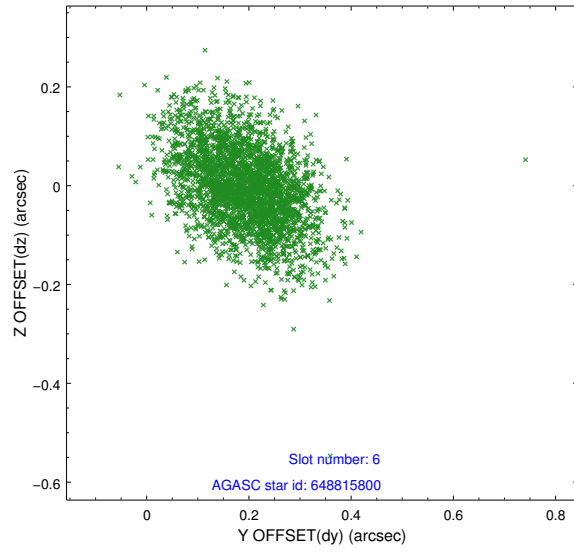
2.4.2 Slot 4



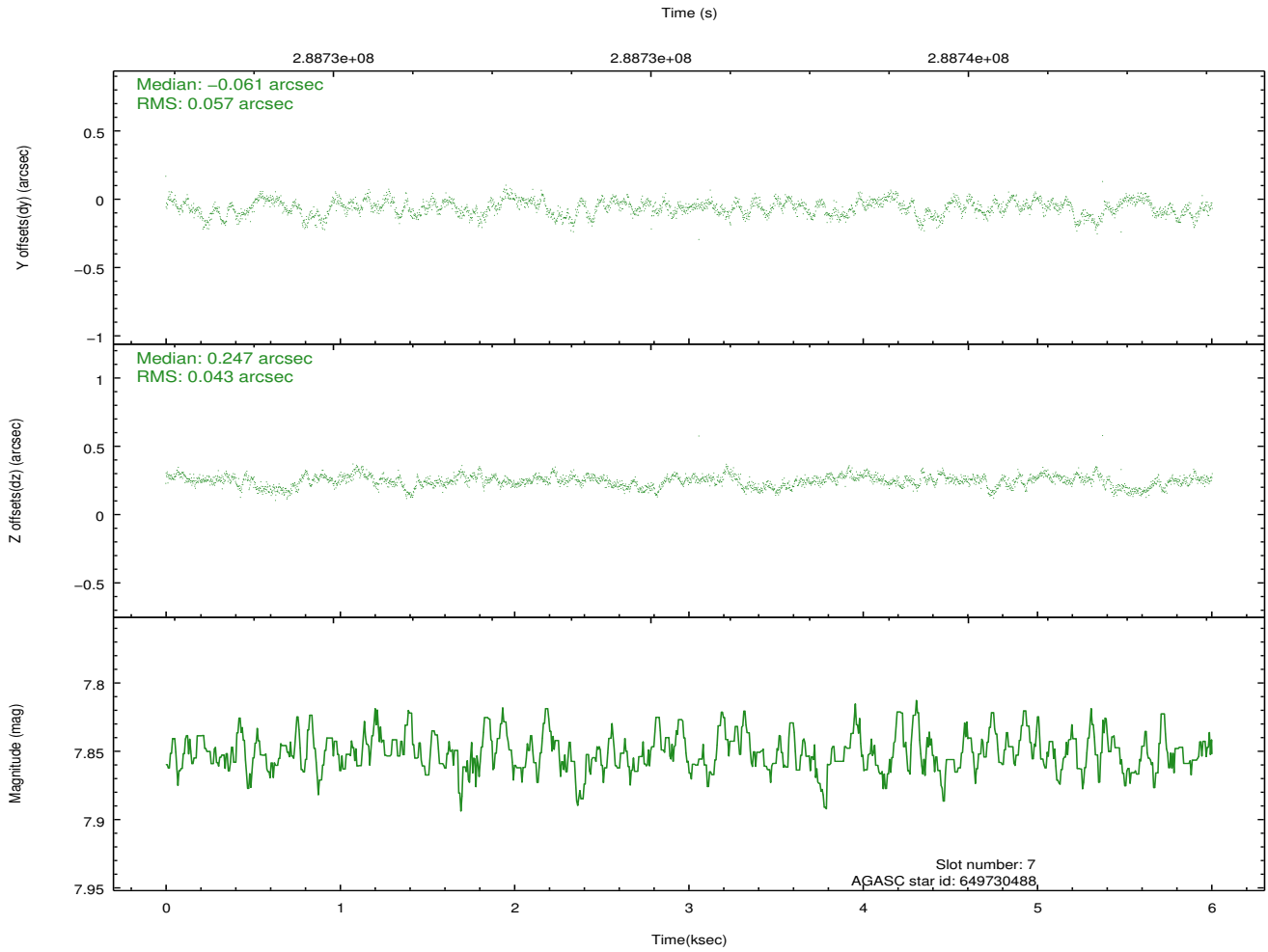
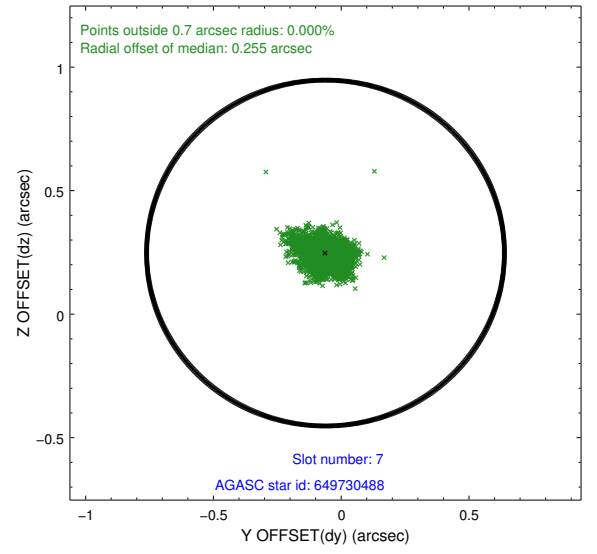
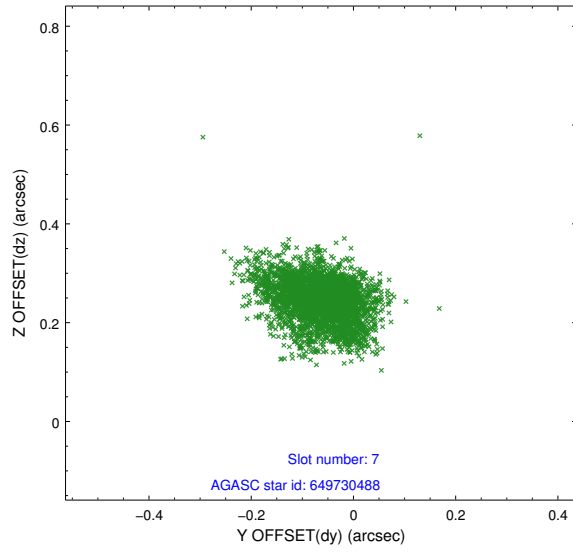
2.4.3 Slot 5



2.4.4 Slot 6

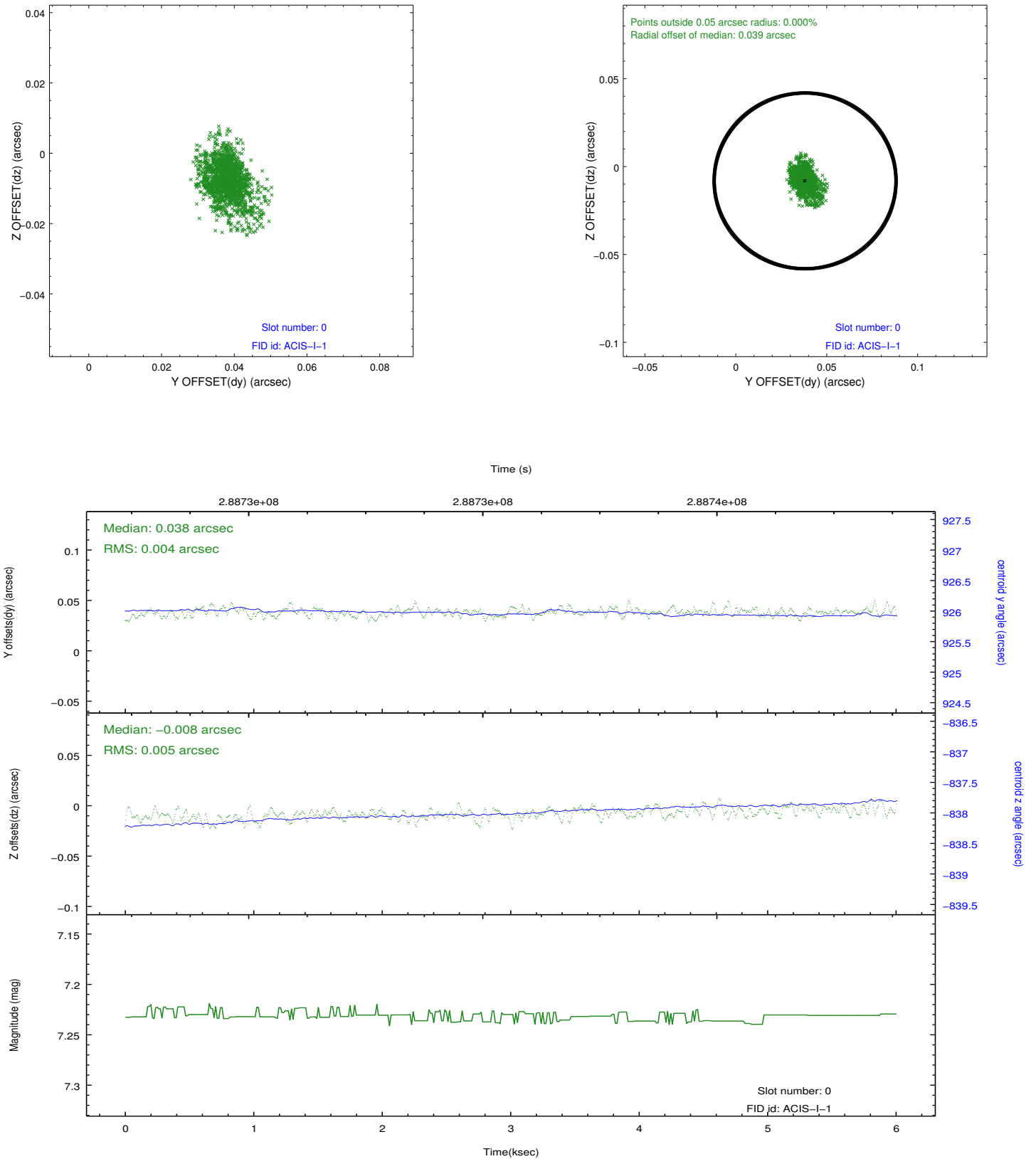


2.4.5 Slot 7

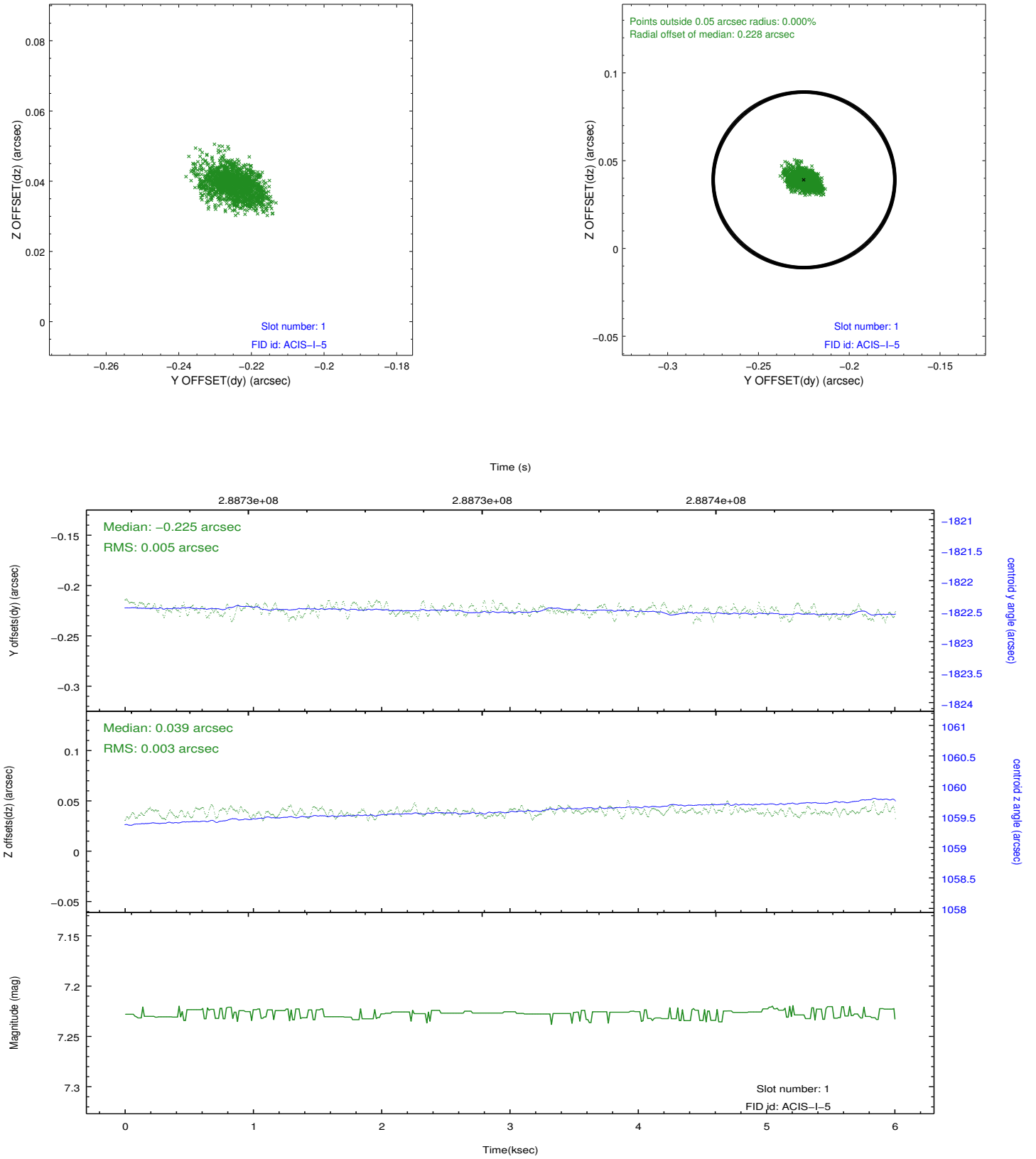


2.5 FID Slots

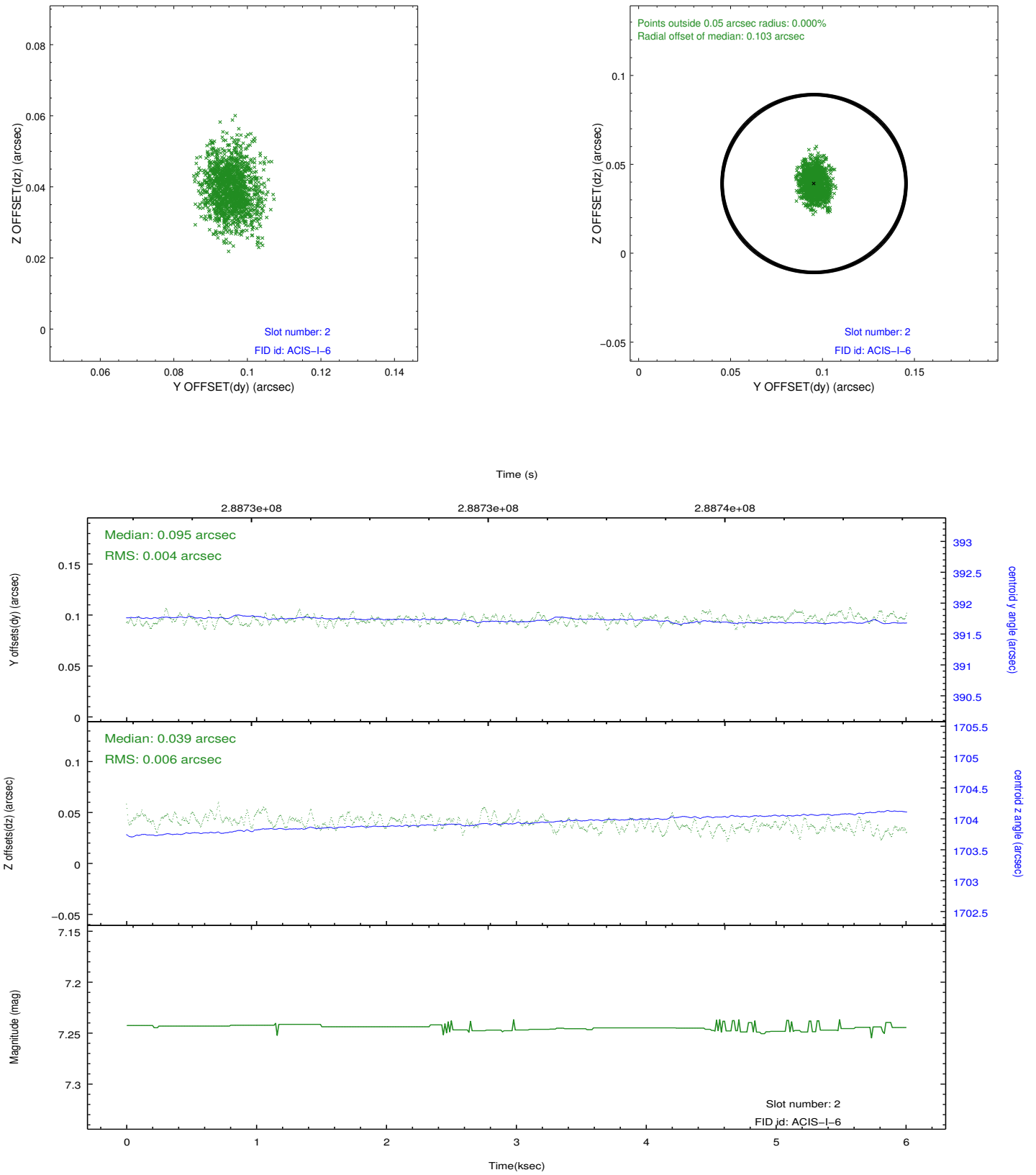
2.5.1 Slot 0



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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.05610003

A.2 Comments