

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12017 - L2 Version 2
Chandra X-Ray Center

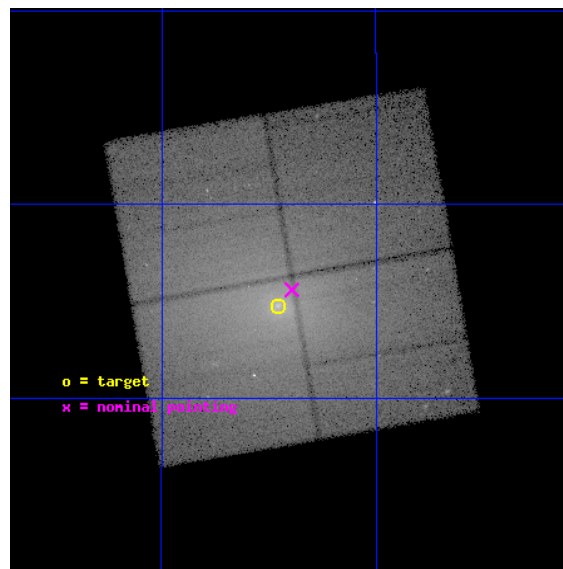
L2 Processing Date : Jun 16 2012

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1 Front

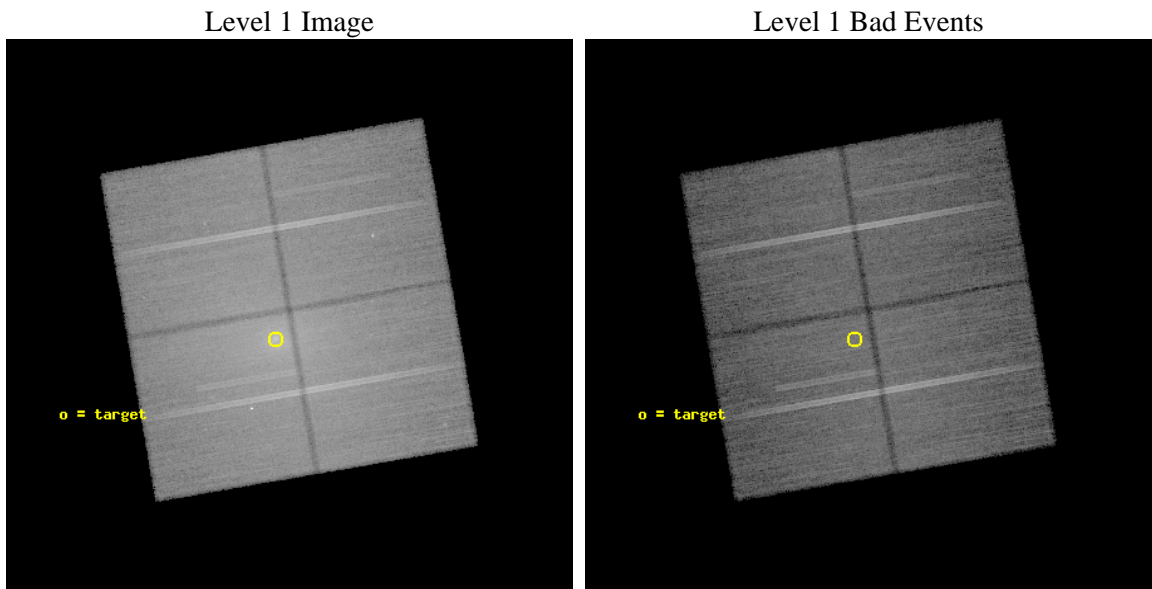
seq_num	800857	Sequence number
obs_id	12017	Observation id
title	Testing AGN feedback with AWM7	Proposal title
observer	Dr Jeremy Sanders	Principal investigator
object	AWM7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	43.614583	Observer's specified target RA [deg]
dec_targ	41.579167	Observer's specified target Dec [deg]
ra_nom	43.598358861361	Nominal RA [deg]
dec_nom	41.593219190037	Nominal Dec [deg]
roll_nom	170.21944465101	Nominal Roll [deg]
revision	2	Processing version of data
ontime	45647.459360719	Sum of GTIs [s]
livetime	45051.041699	Livetime [s]
ontime0	45631.754429162	Sum of GTIs [s]
ontime1	45641.177380204	Sum of GTIs [s]
ontime2	45641.177380085	Sum of GTIs [s]
ontime3	45647.459360719	Sum of GTIs [s]
l2events	571039	Number of level 2 events



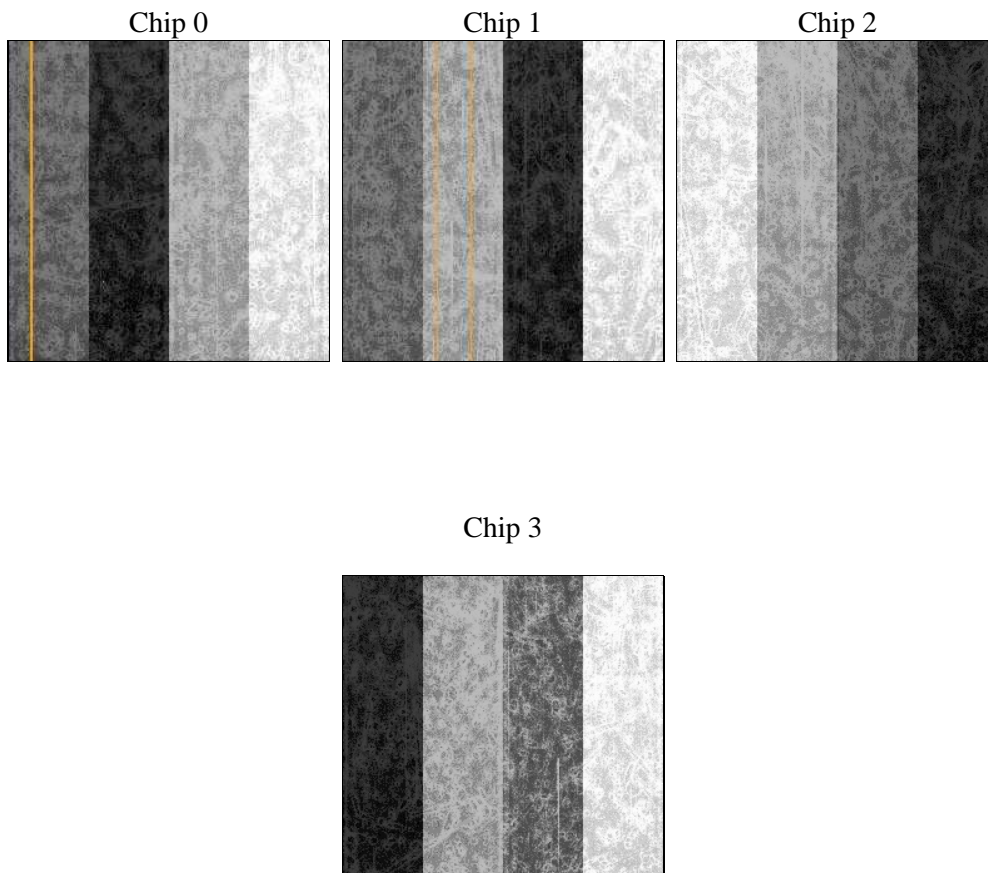
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	45500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	45647.459360719	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	45631.754429162	Sum of GTIs [s]
date	2012-06-16T05:04:09	Date and time of file creation	ontime1	45641.177380204	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	45641.177380085	Sum of GTIs [s]
			ontime3	45647.459360719	Sum of GTIs [s]
			l1events	2008279	Number of level 1 events

2.1.4 Events

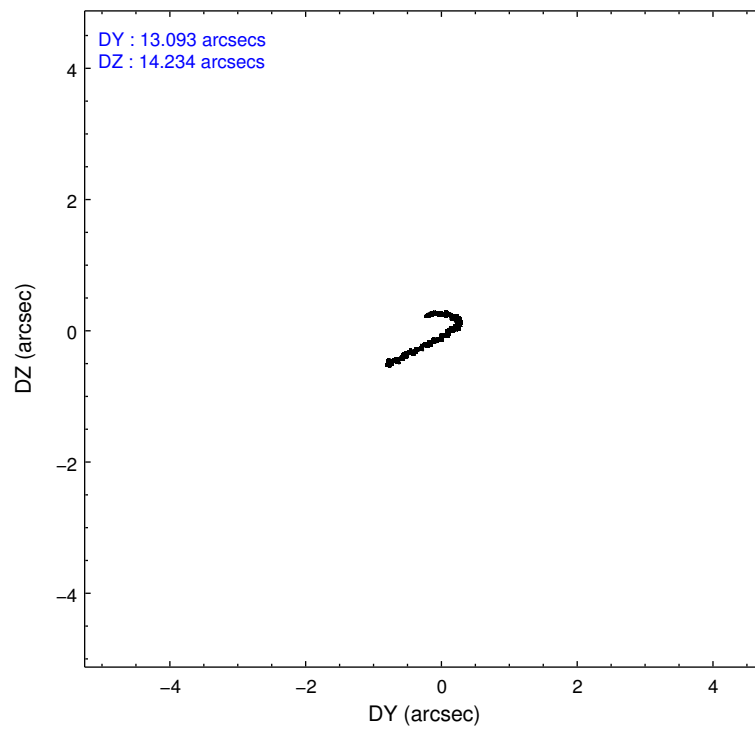
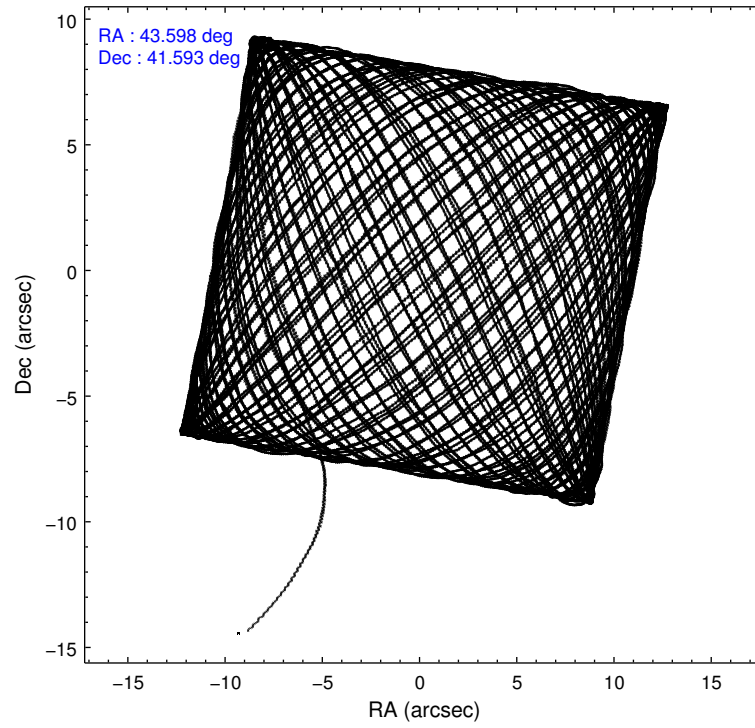
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	420562	483472	524236	580009
rejected events	322546	333454	373025	356393
rejected %	76%	68%	71%	61%

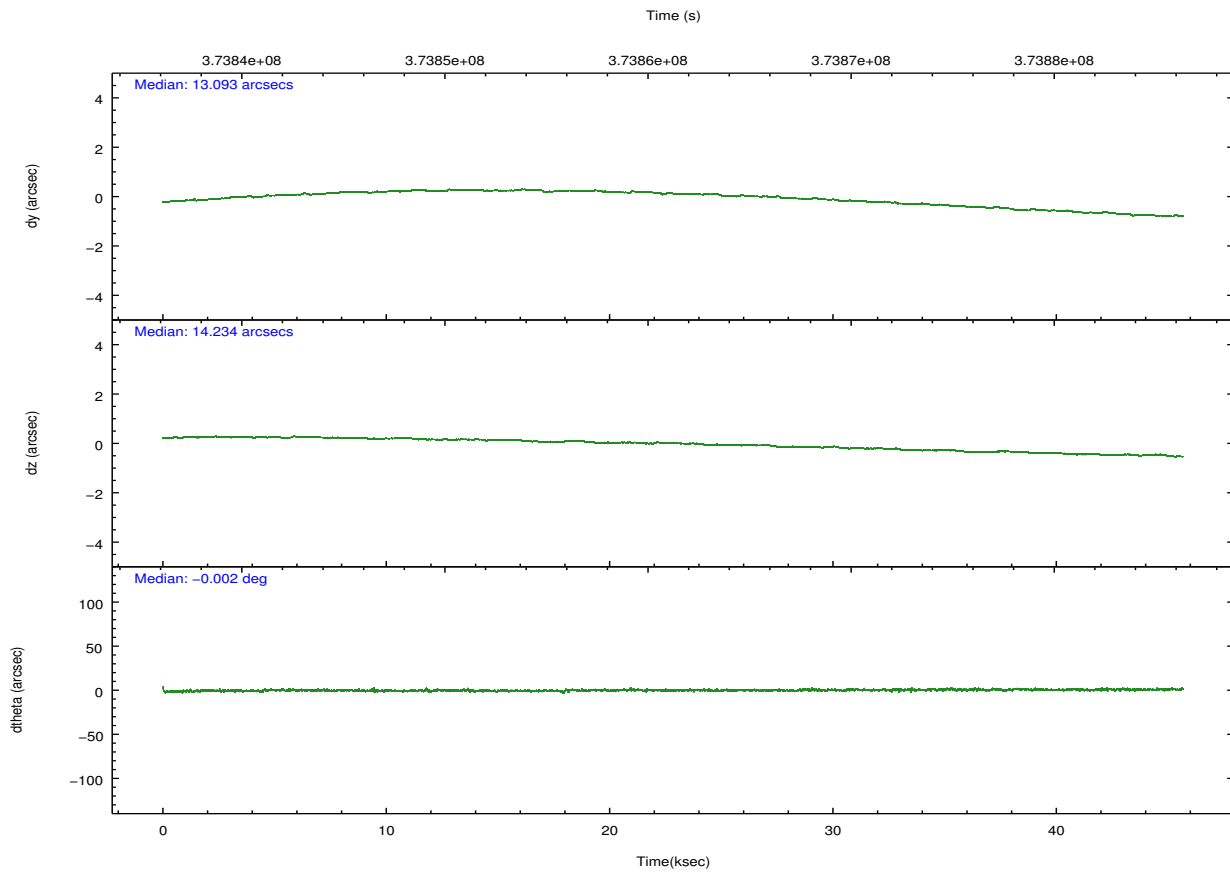
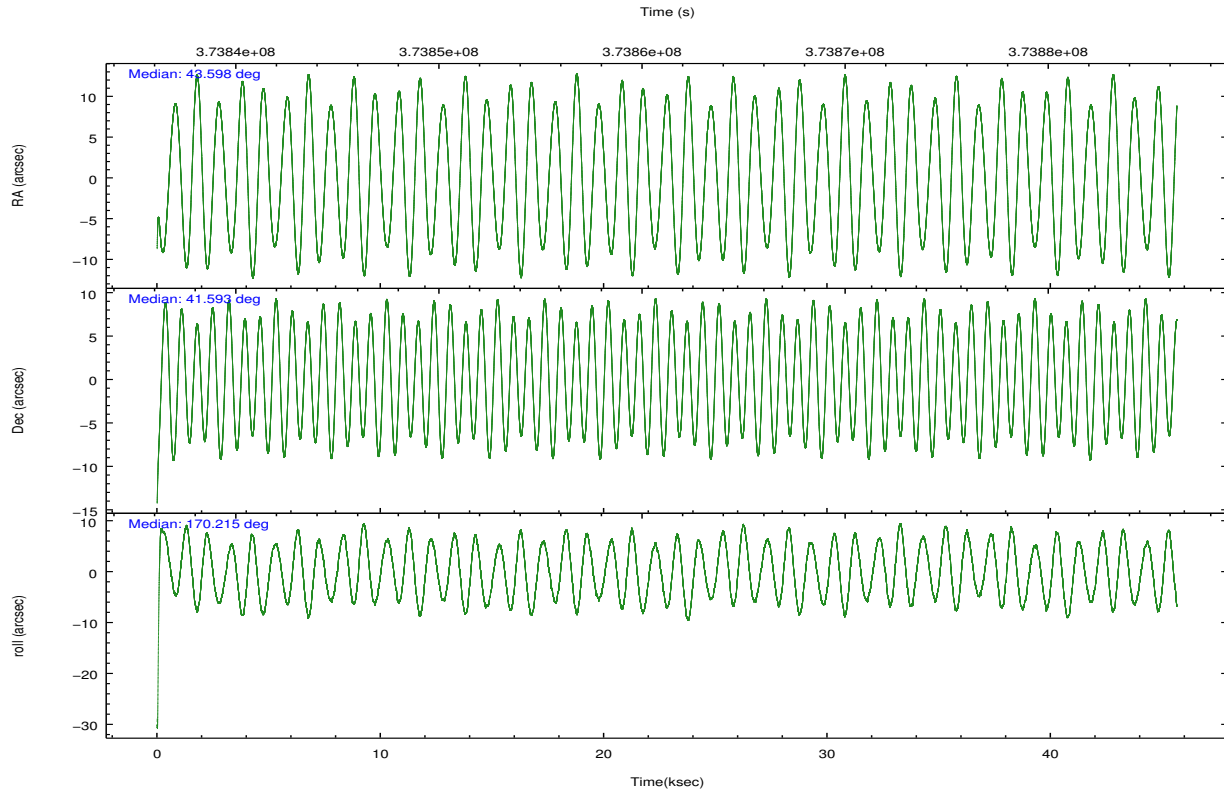
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	61152	101076	105947	165810
	14%	20%	20%	28%
grade 1 events	474	687	879	1262
	0%	0%	0%	0%
grade 2 events	15767	21485	20456	26942
	3%	4%	3%	4%
grade 3 events	6286	8066	7657	10019
	1%	1%	1%	1%
grade 4 events	5900	8096	7853	9827
	1%	1%	1%	1%
grade 5 events	14915	16108	14415	17652
	3%	3%	2%	3%
grade 6 events	9410	12028	10040	12072
	2%	2%	1%	2%
grade 7 events	306658	315926	356989	336425
	72%	65%	68%	58%

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	43.632830	43.5983588613605	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.602825	41.59321919003699	Alternating exposures requested	N	N
[deg] Pointing Roll	169.987885	170.2194446510137	[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)	373838569.184000	373837493.90425			
Observation start date	2009-11-05T20:01:43	2009-11-05T19:44:53			
[s] Observation end time (MET)	373884069.184000	373885004.70664			
Observation end date	2009-11-06T08:40:03	2009-11-06T08:56:44			
Read mode	TIMED	TIMED			

2.3 Aspect



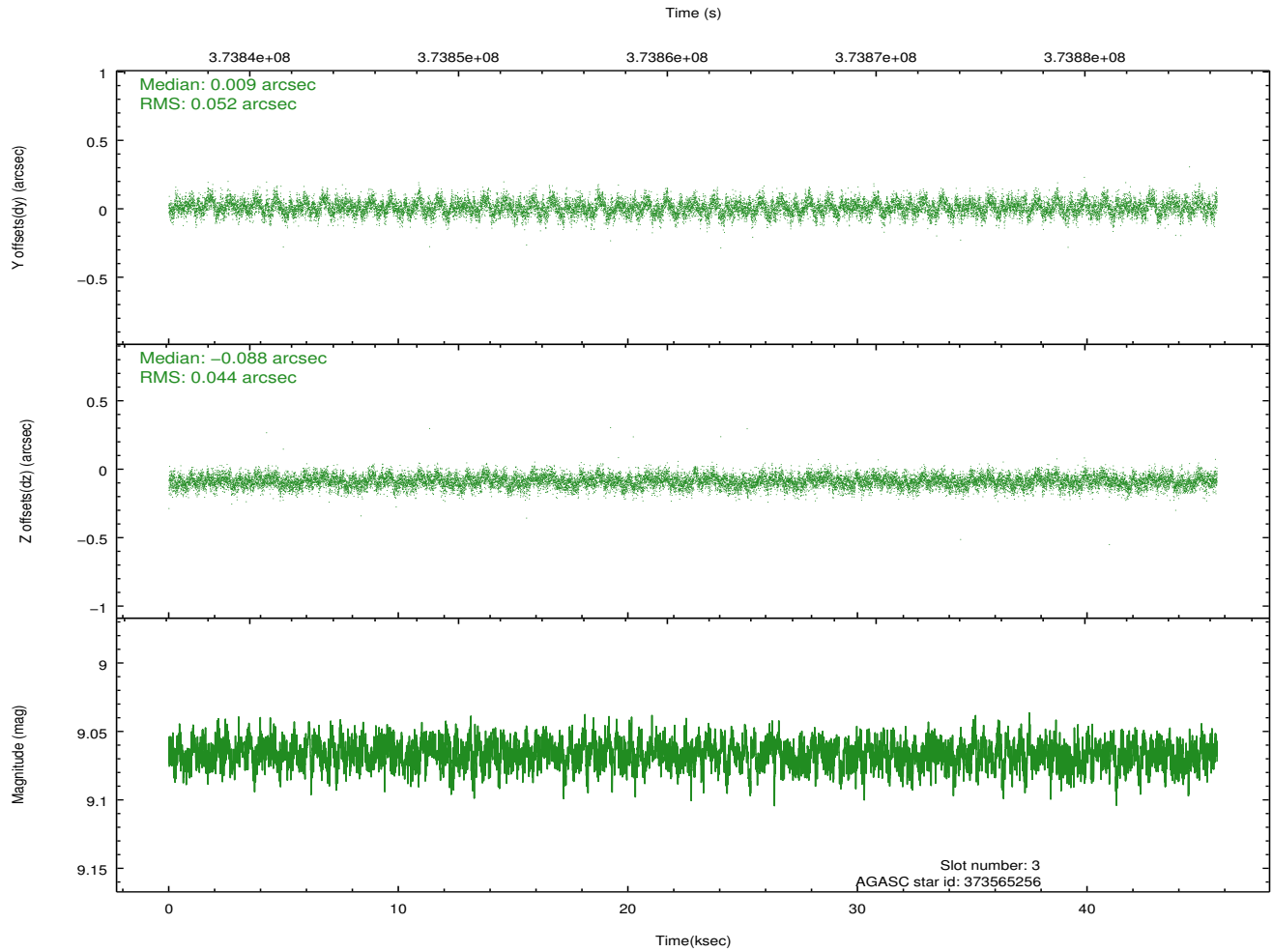
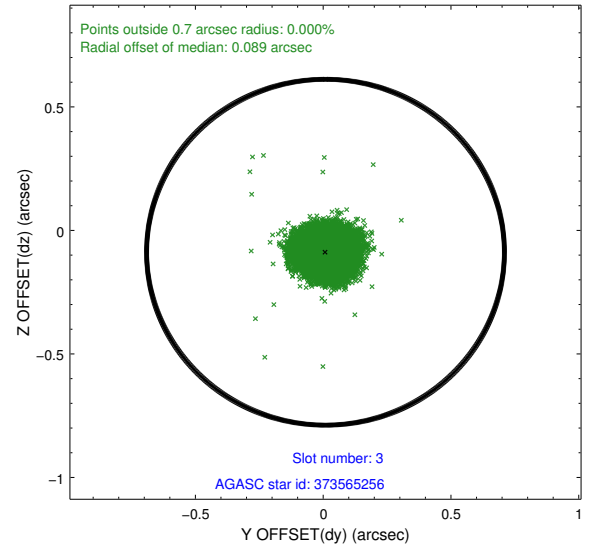
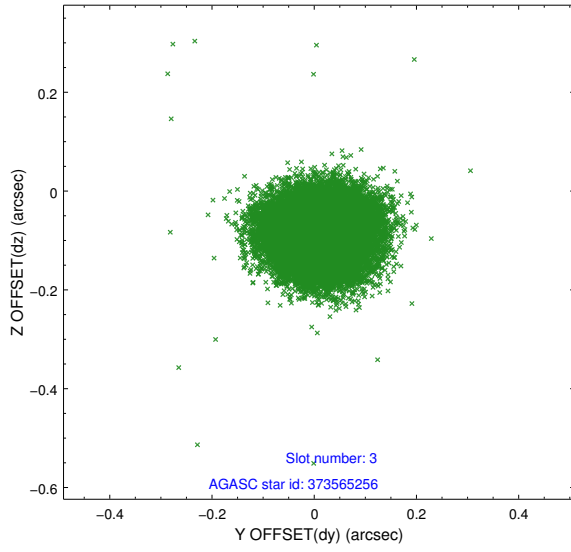


Slot Statistics

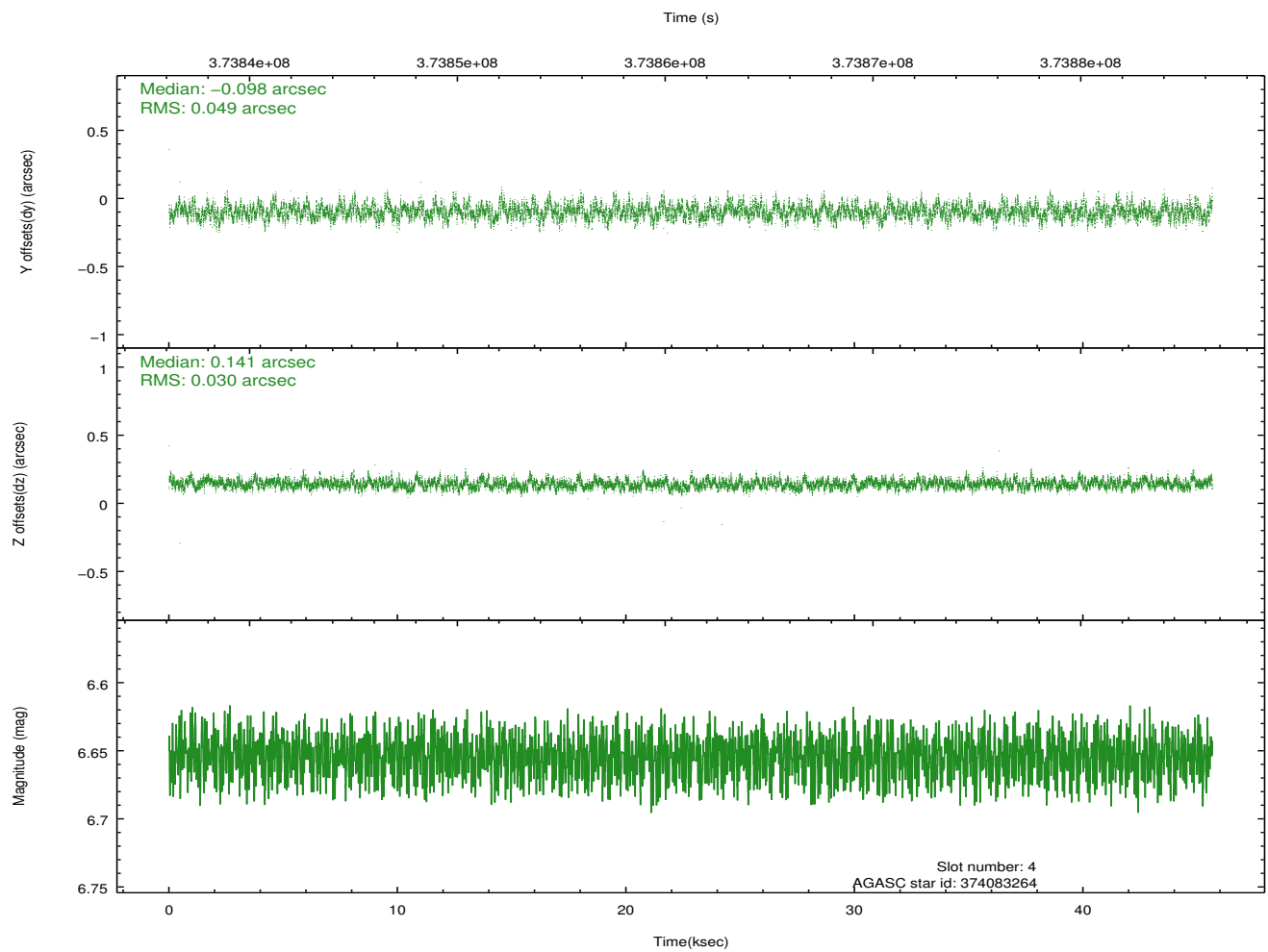
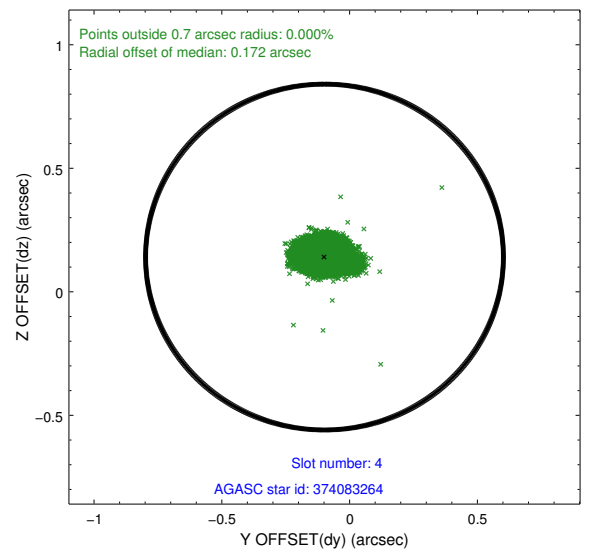
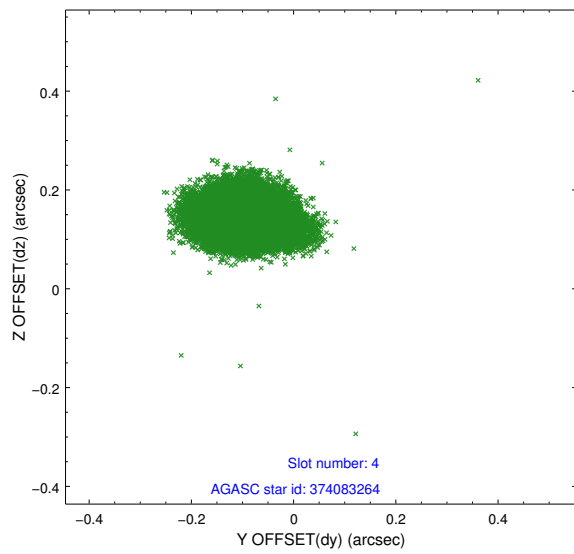
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	11135	-0.087	-0.065	0.014	0.026	0.000000	0.000000	-767.74	-844.19
1	FID	ACIS-I-4	6.96	11134	0.220	0.071	0.015	0.024	0.000000	0.000000	2146.62	1062.13
2	FID	ACIS-I-5	7.03	11136	-0.235	0.063	0.014	0.023	0.000000	0.000000	-1821.73	1059.95
3	GUIDE	373565256	9.07	22249	0.009	-0.088	0.072	0.117	44.105113	41.168282	-1531.54	1314.73
4	GUIDE	374083264	6.65	22272	-0.098	0.141	0.059	0.101	43.093662	42.020961	1682.78	-1235.50
5	GUIDE	374087680	9.00	22249	-0.025	0.010	0.093	0.145	43.266373	41.841880	1118.00	-678.21
6	GUIDE	373560576	8.91	22256	0.088	-0.009	0.077	0.124	44.009880	41.184081	-1267.93	1305.36
7	GUIDE	374084672	9.19	22249	0.025	-0.055	0.106	0.170	42.731967	41.662055	2425.47	199.29

2.4 Star Slots

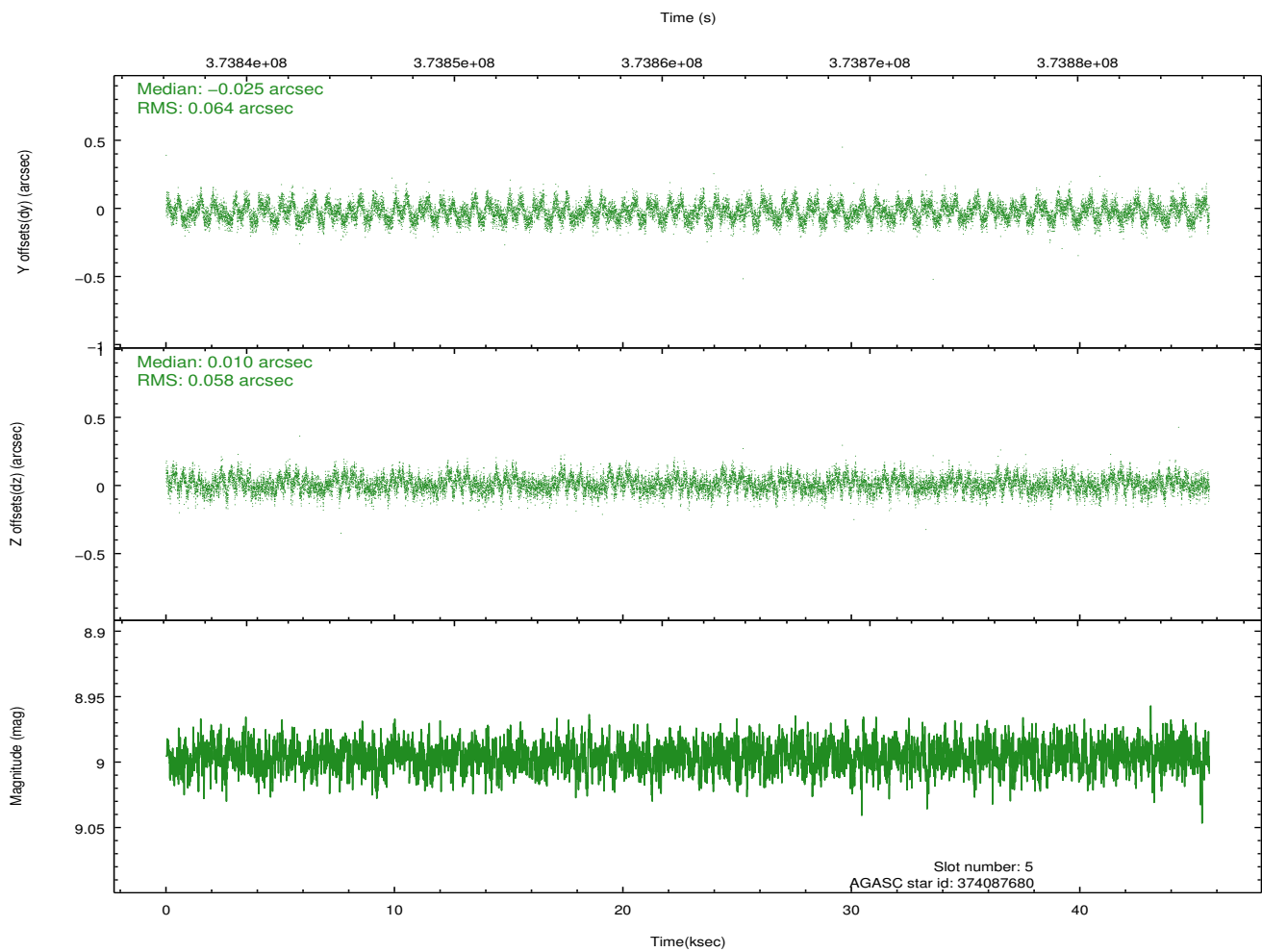
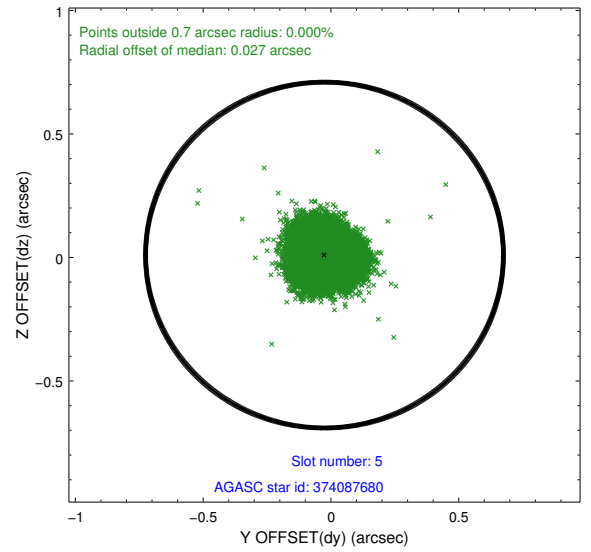
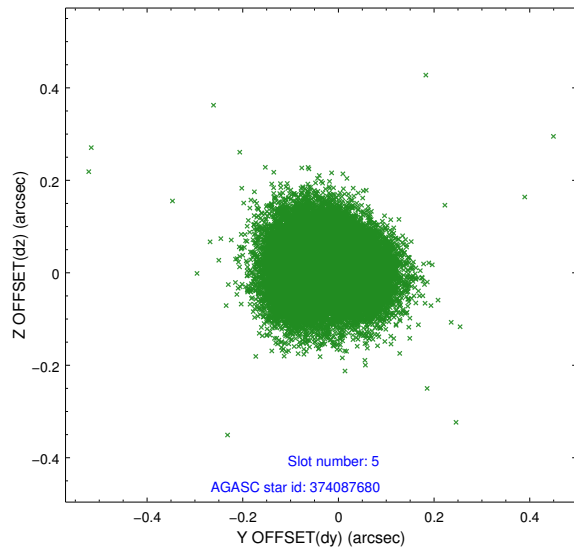
2.4.1 Slot 3



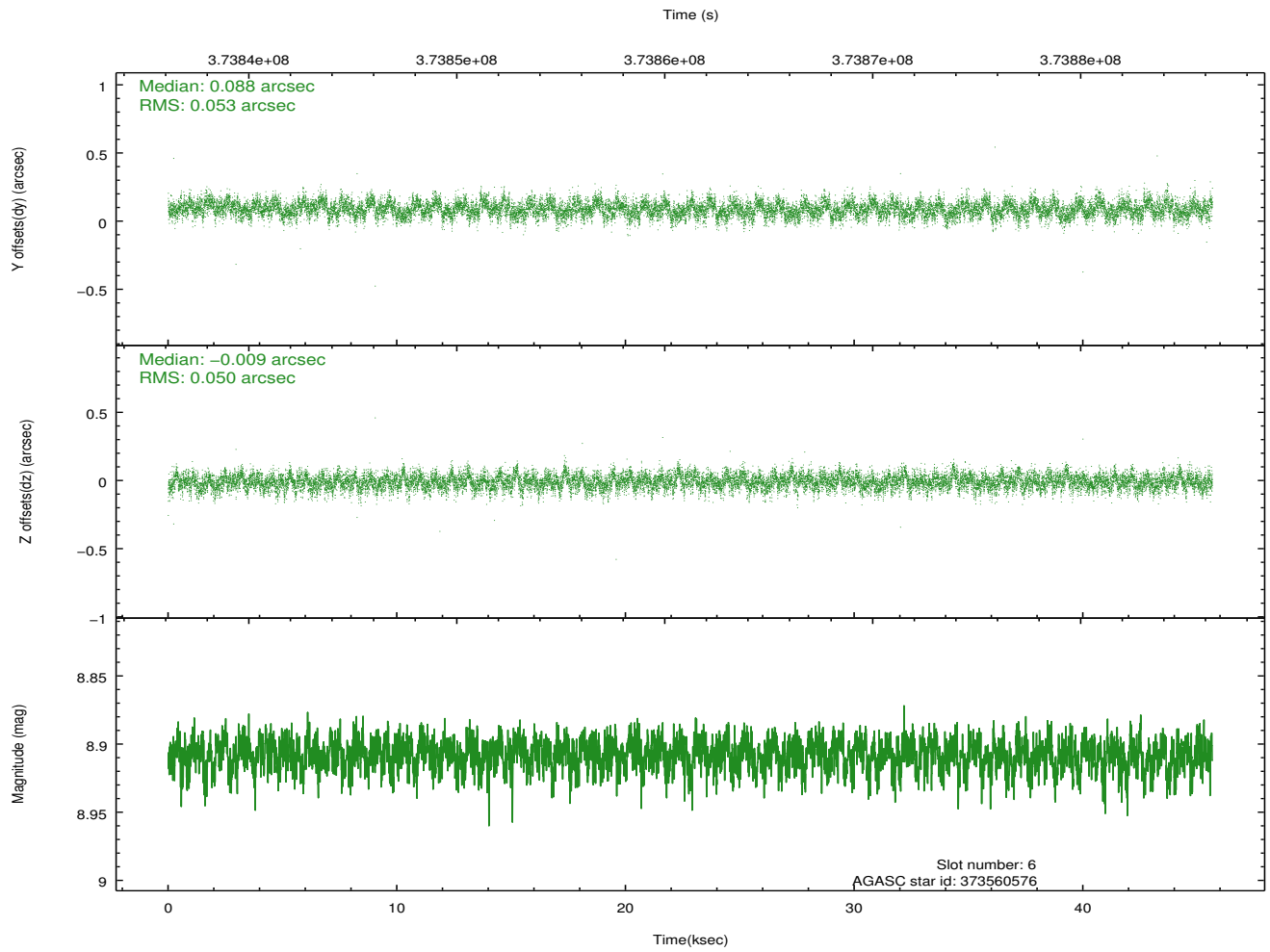
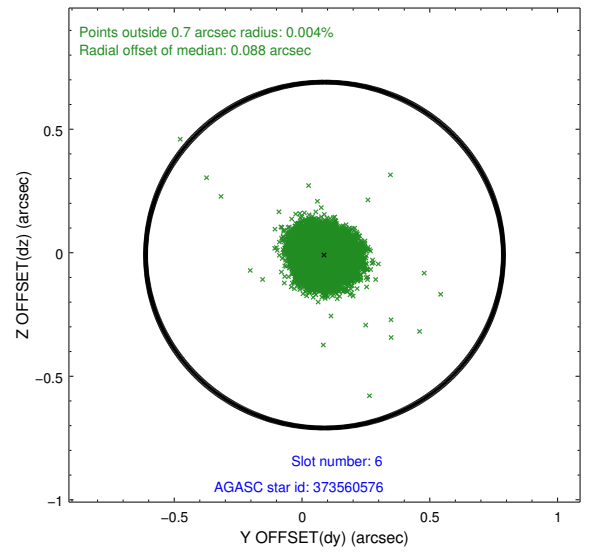
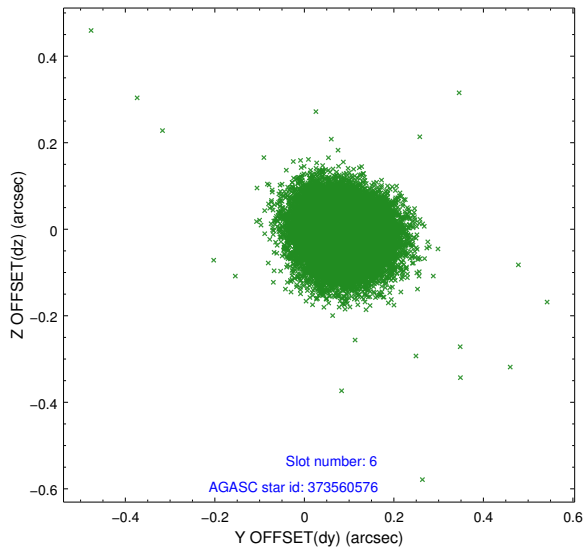
2.4.2 Slot 4



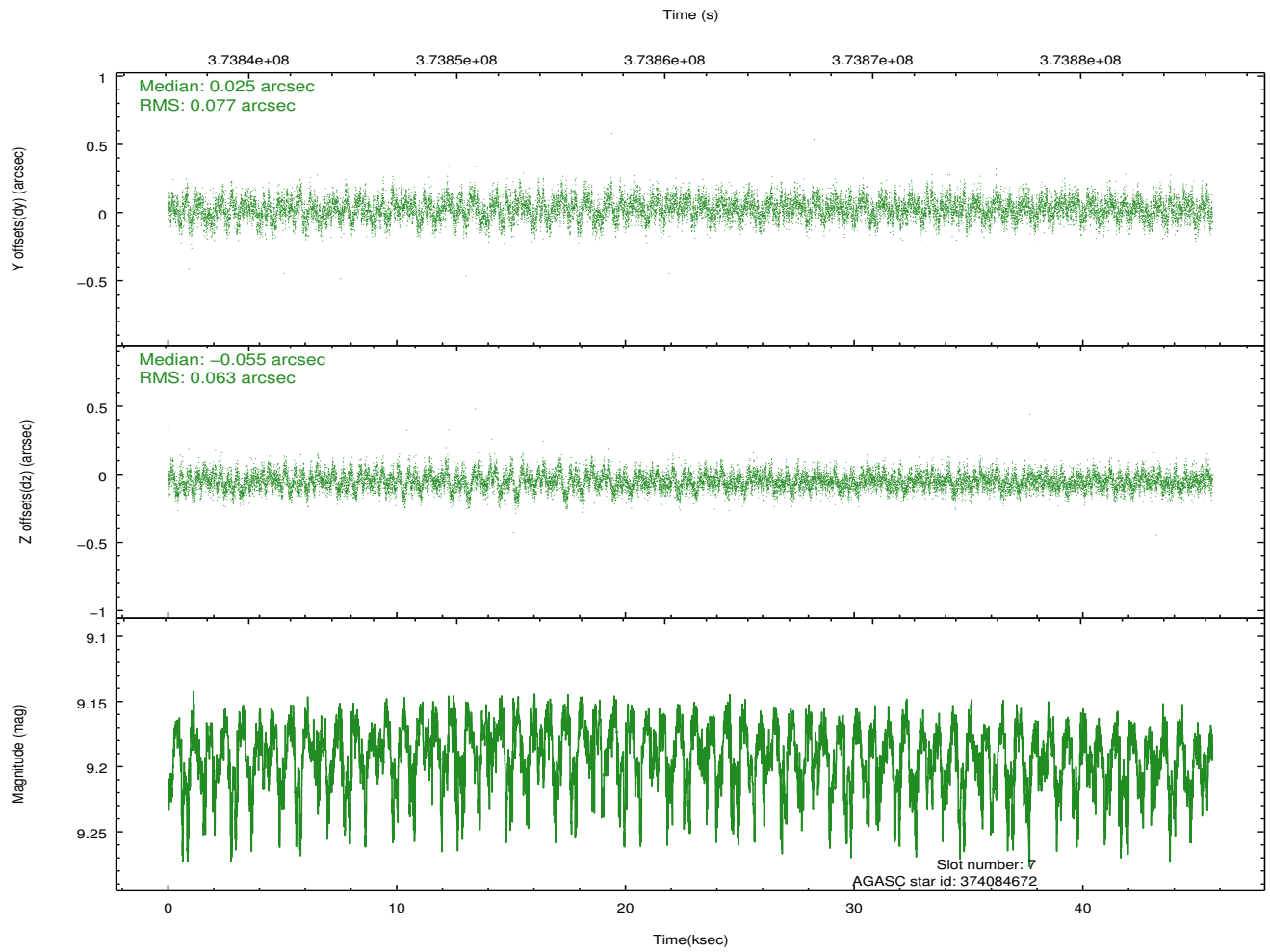
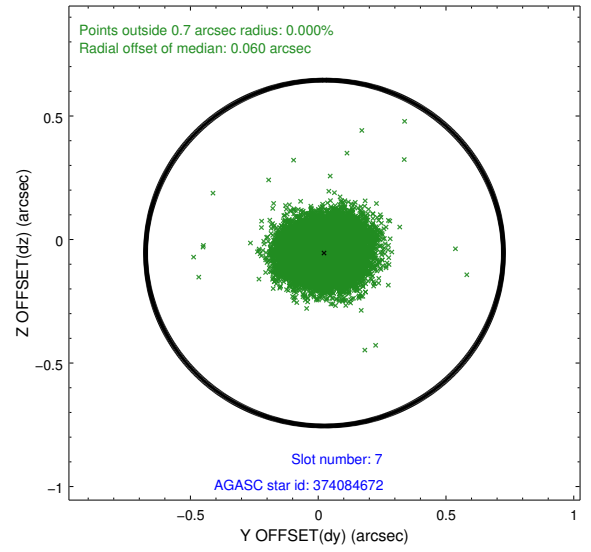
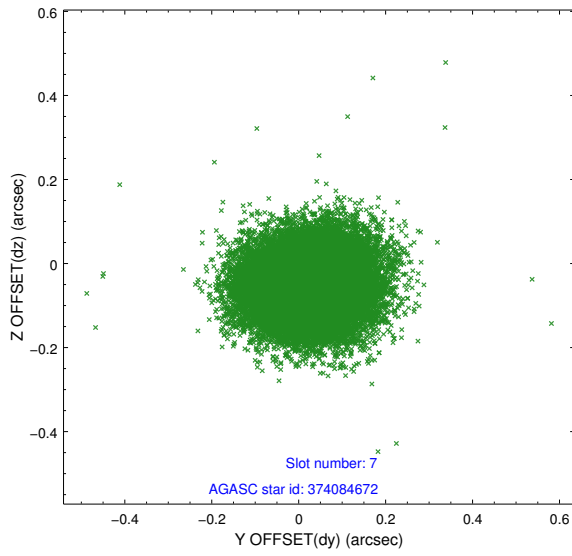
2.4.3 Slot 5



2.4.4 Slot 6

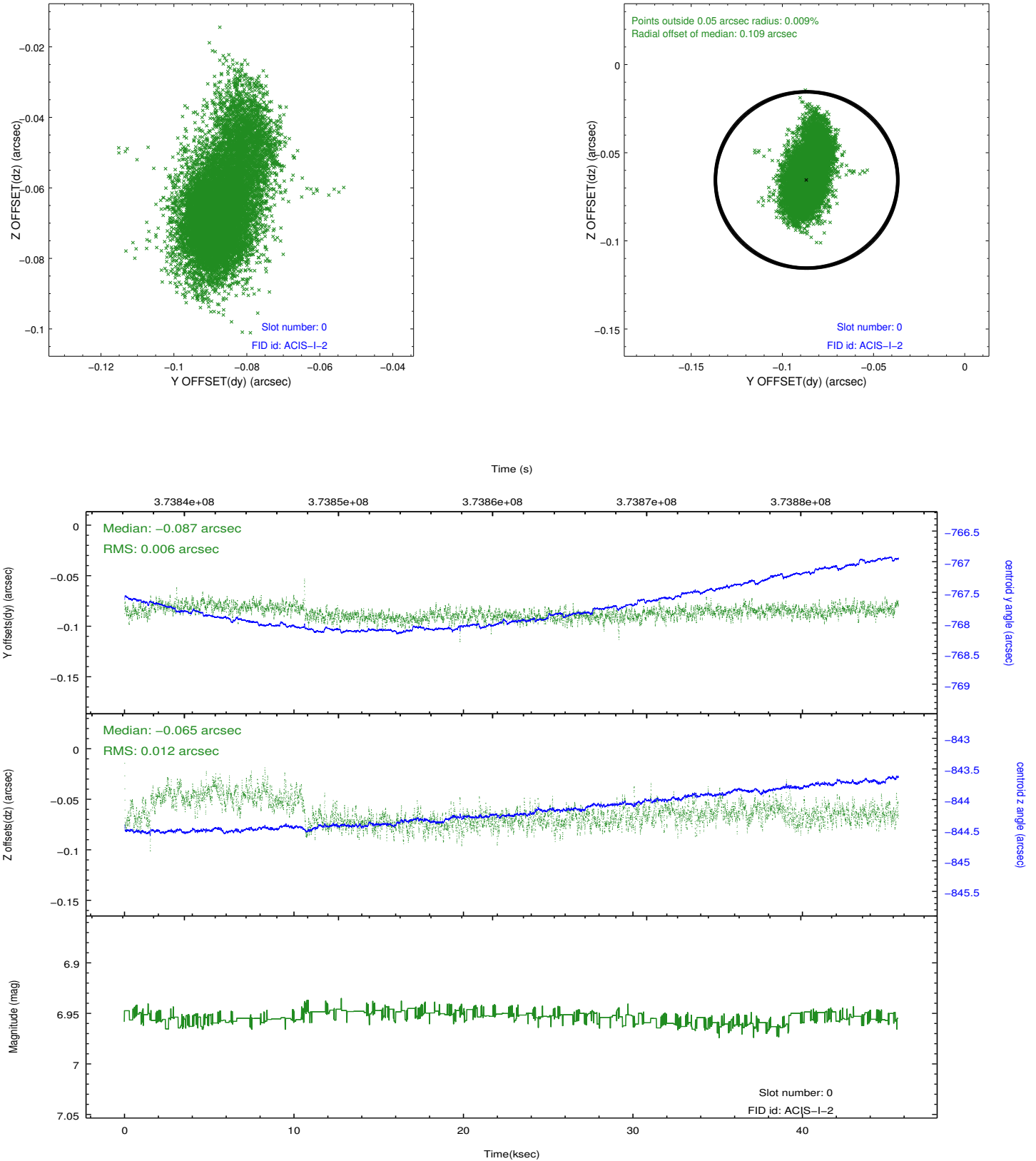


2.4.5 Slot 7

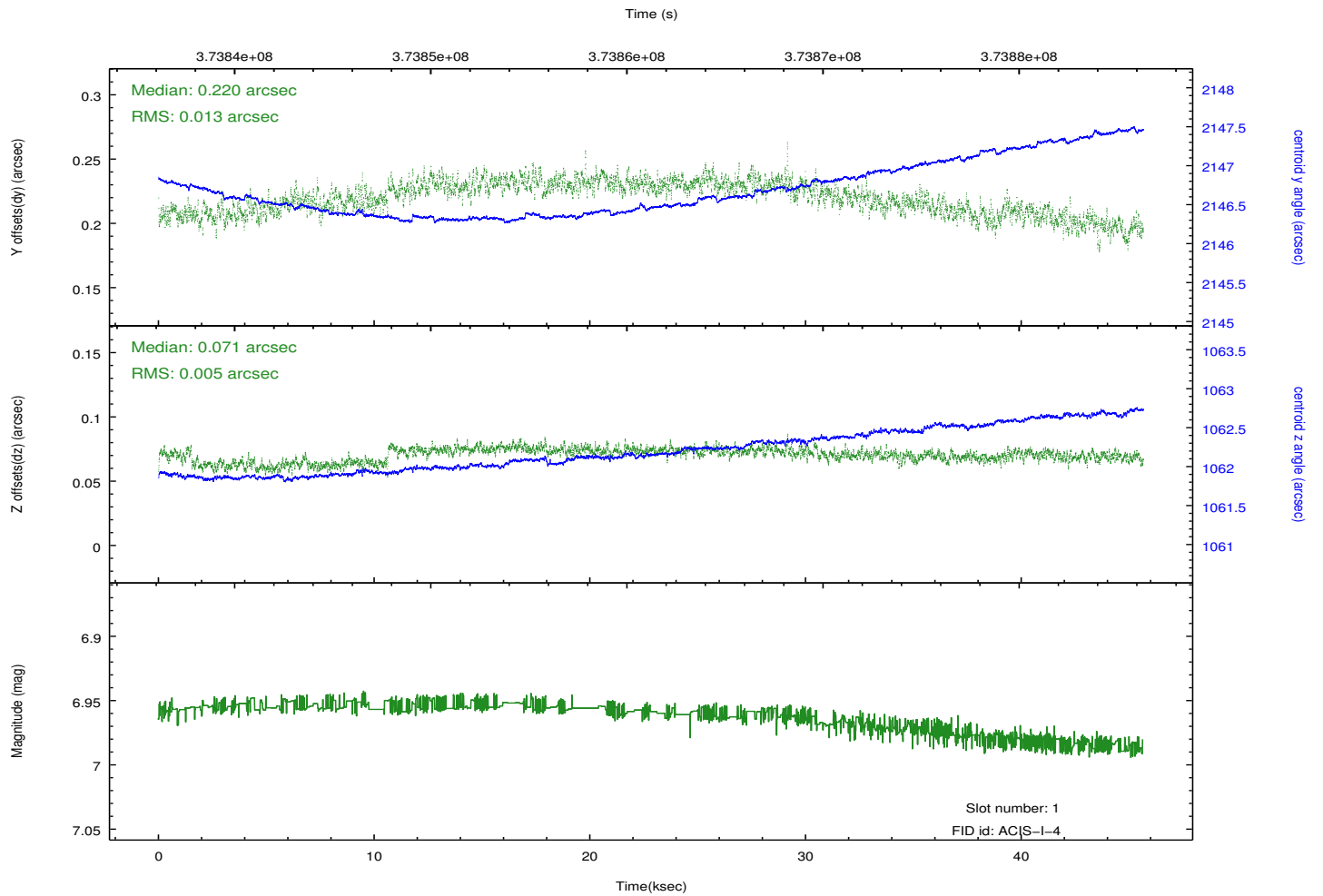
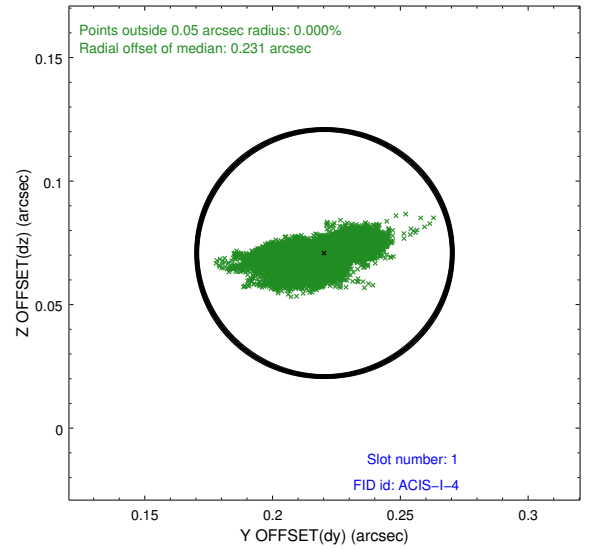
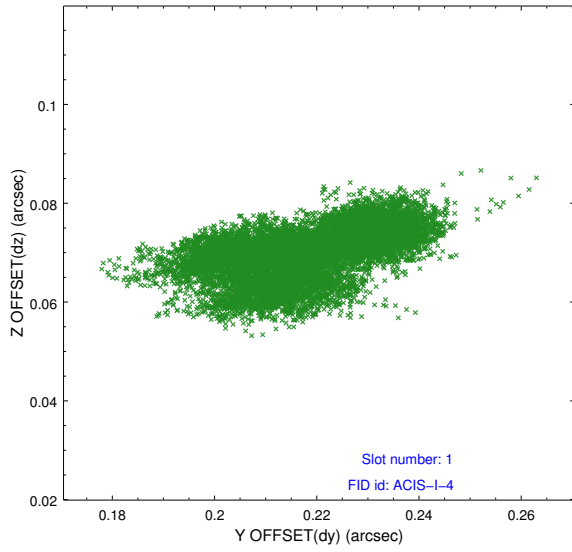


2.5 FID Slots

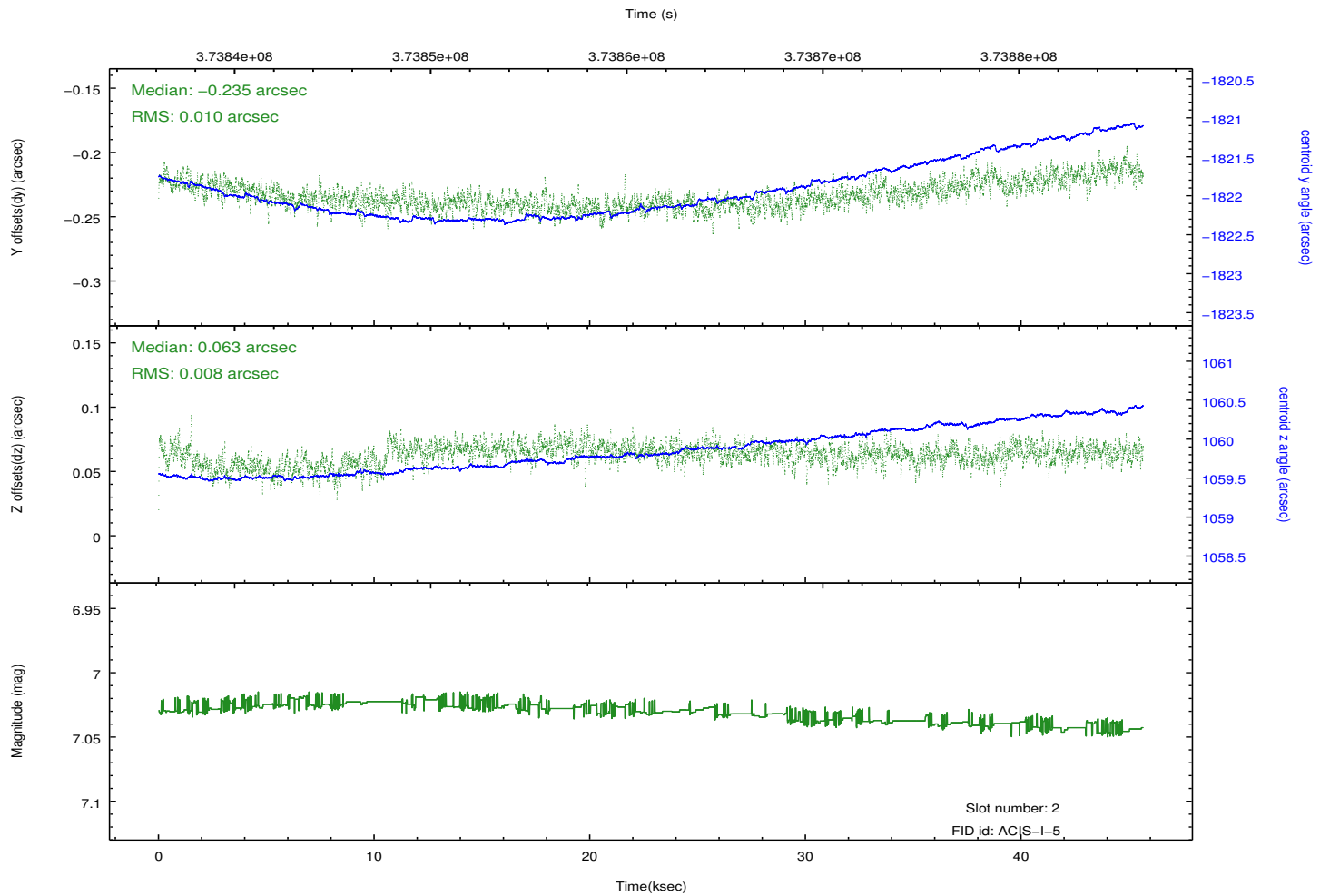
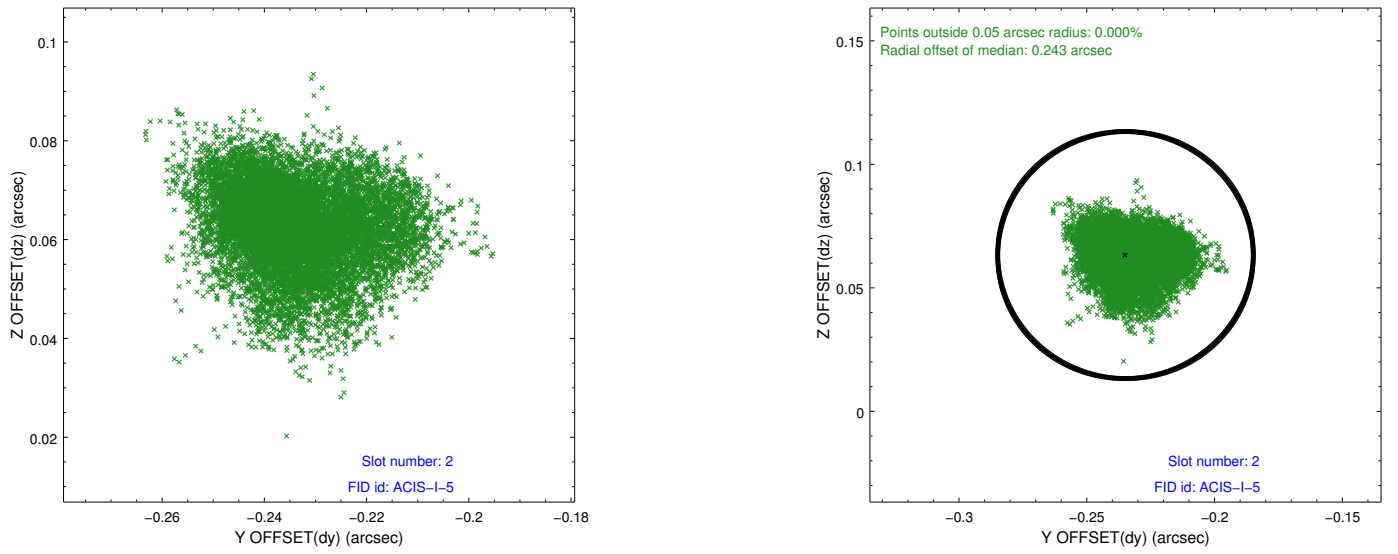
2.5.1 Slot 0



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)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.647459360719

A.2 Comments

Joint proposal with NRAO.