

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8014 - L2 Version 3
Chandra X-Ray Center

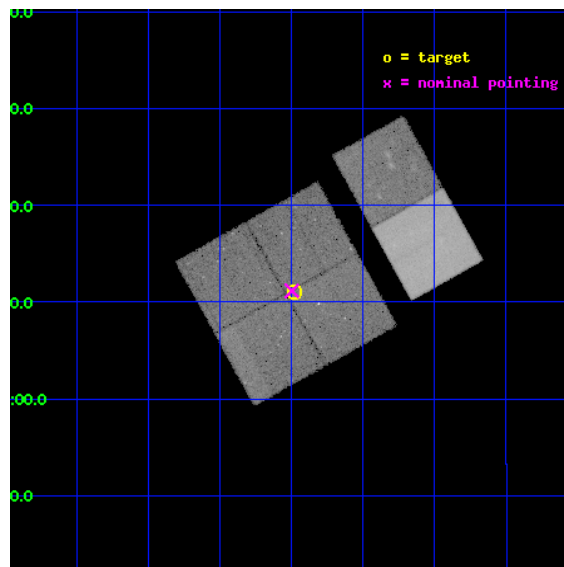
L2 Processing Date : Apr 17 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

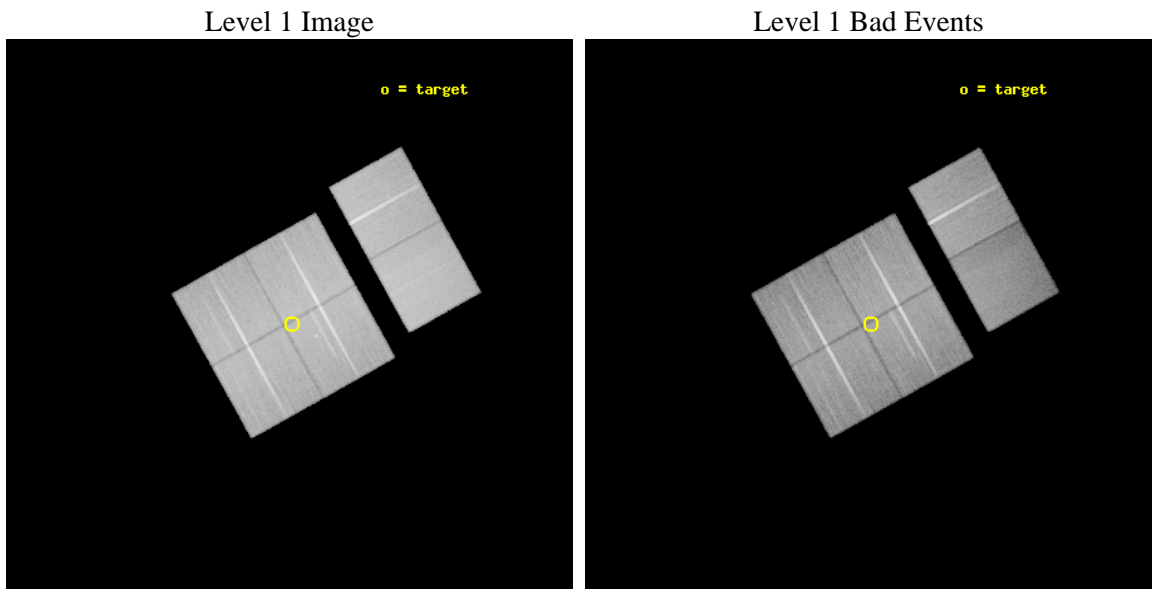
seq_num	900558	Sequence number
obs_id	8014	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS4-5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.870508	Observer's specified target RA [deg]
dec_targ	2.183161	Observer's specified target Dec [deg]
ra_nom	149.87416610695	Nominal RA [deg]
dec_nom	2.1861285218289	Nominal Dec [deg]
roll_nom	60.879127670371	Nominal Roll [deg]
revision	3	Processing version of data
ontime	48472.471835554	Sum of GTIs [s]
livetime	47858.684210553	Livetime [s]
ontime0	48482.071716547	Sum of GTIs [s]
ontime1	48485.353766799	Sum of GTIs [s]
ontime2	48485.394806802	Sum of GTIs [s]
ontime3	48472.471835554	Sum of GTIs [s]
ontime6	48485.517926812	Sum of GTIs [s]
ontime7	48485.476876915	Sum of GTIs [s]
l2events	341804	Number of level 2 events



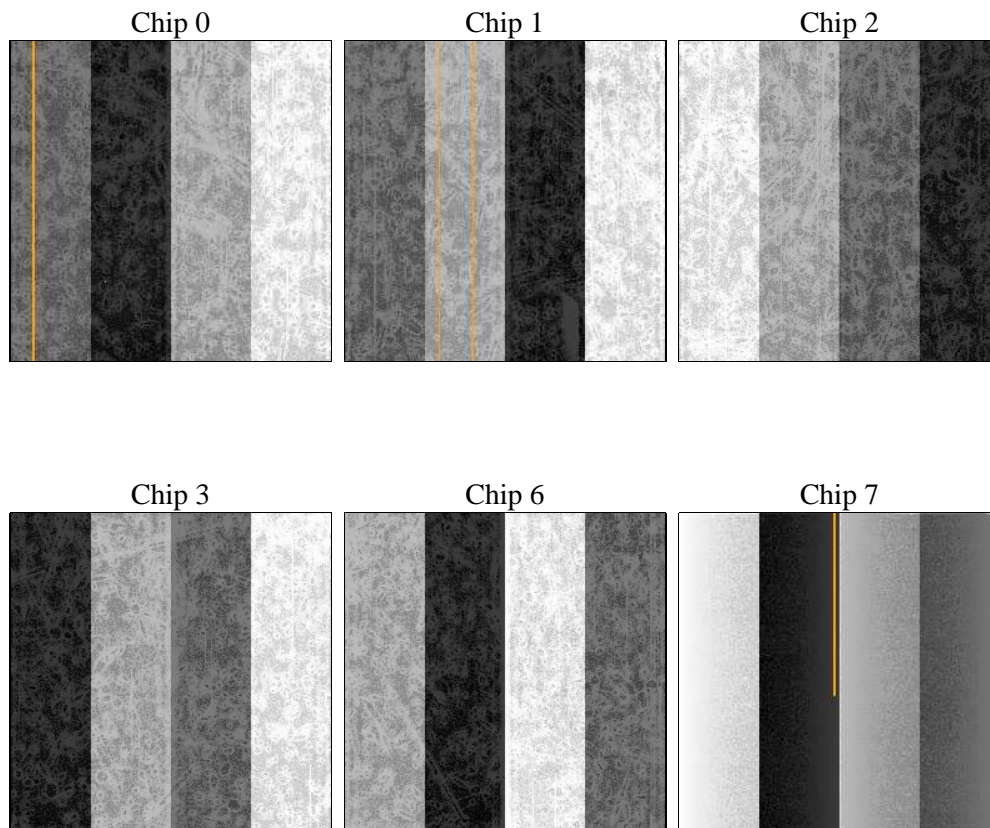
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	48737.496000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	48472.471835554	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	48482.071716547	Sum of GTIs [s]
date	2012-04-17T22:35:48	Date and time of file creation	ontime1	48485.353766799	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	48485.394806802	Sum of GTIs [s]
			ontime3	48472.471835554	Sum of GTIs [s]
			ontime6	48485.517926812	Sum of GTIs [s]
			ontime7	48485.476876915	Sum of GTIs [s]
			l1events	2204422	Number of level 1 events

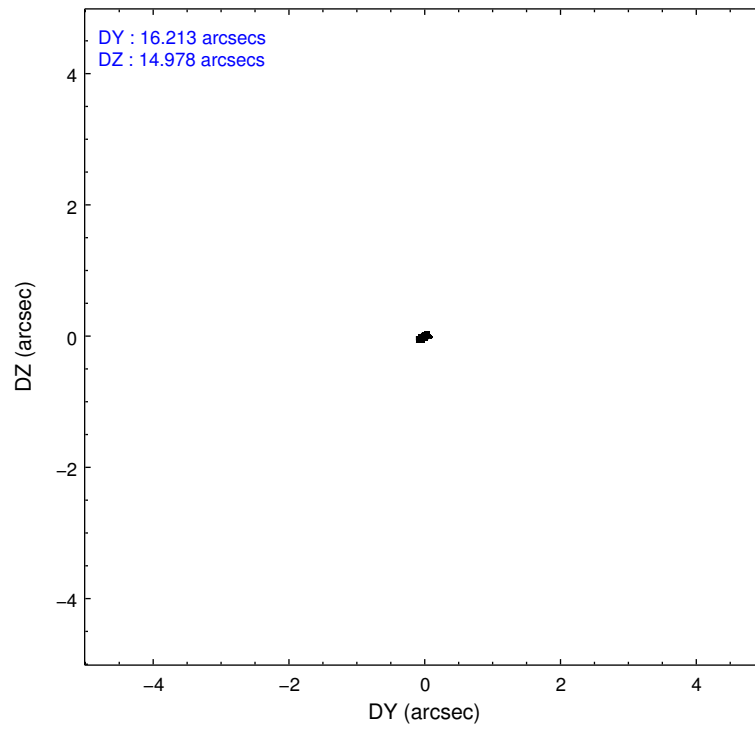
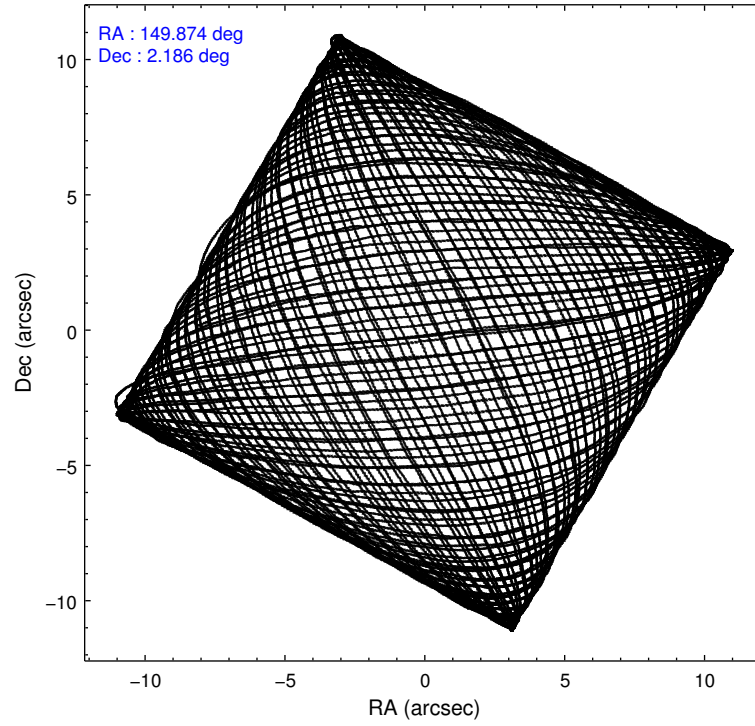
2.1.4 Events

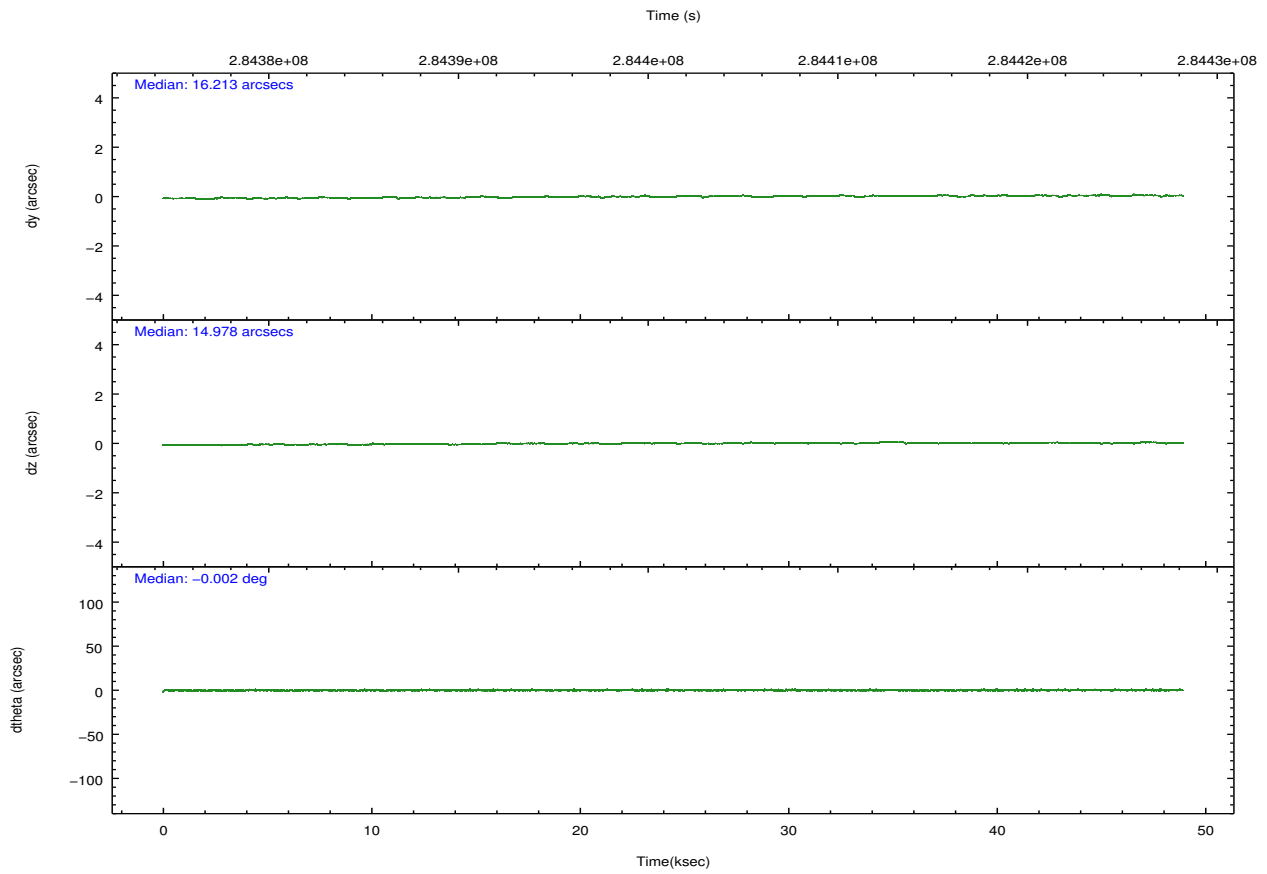
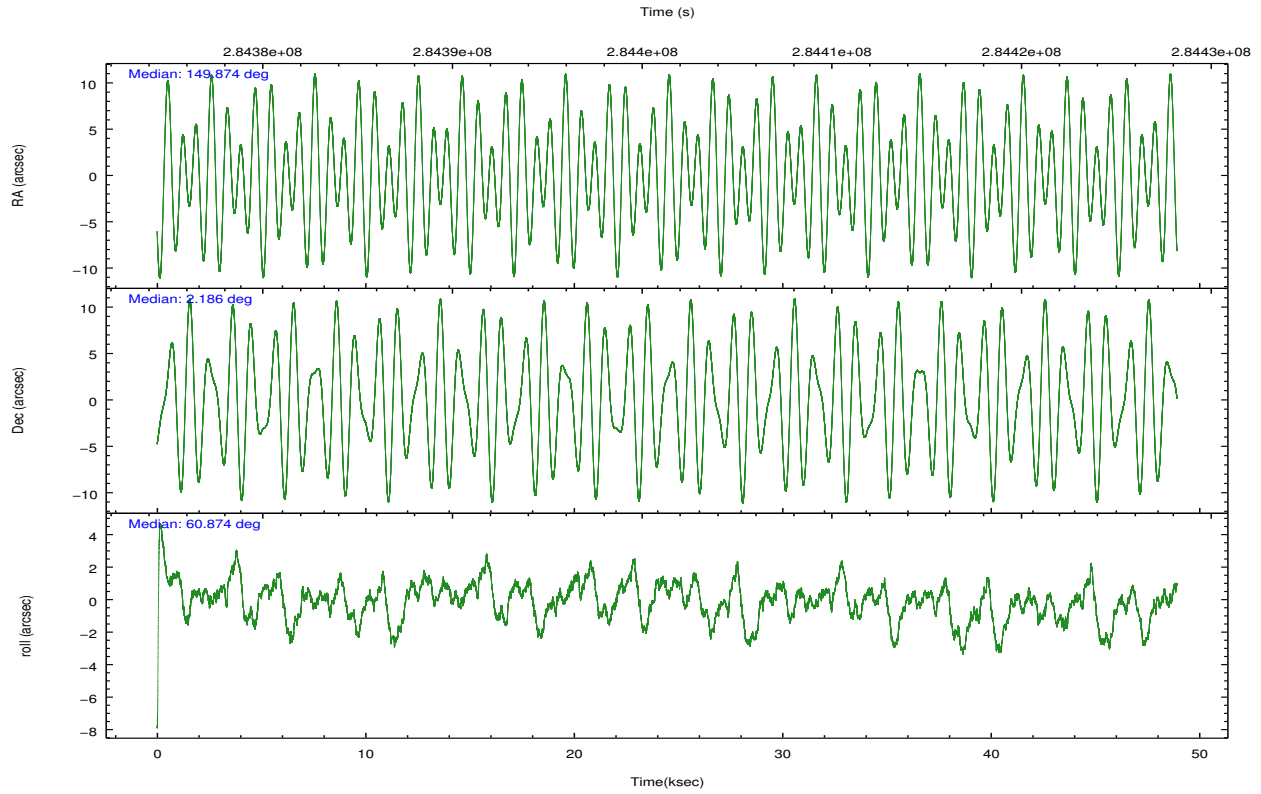
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	340580	339925	384826	356039	379075	403977	grade 0 events	13713	15853	13845	14061	15690	17162
rejected events	303692	297642	348541	319443	338233	218911		4%	4%	3%	3%	4%	4%
rejected %	89%	87%	90%	89%	89%	54%	grade 1 events	196	192	208	223	223	478
								0%	0%	0%	0%	0%	0%
							grade 2 events	8557	9397	8224	7515	8495	36732
								2%	2%	2%	2%	2%	9%
							grade 3 events	3975	4419	3854	3975	4070	17089
								1%	1%	1%	1%	1%	4%
							grade 4 events	3780	4346	3879	3905	4162	16735
								1%	1%	1%	1%	1%	4%
							grade 5 events	12001	13564	11607	14332	14793	41693
								3%	3%	3%	4%	3%	10%
							grade 6 events	6871	8277	6486	7145	8438	97370
								2%	2%	1%	2%	2%	24%
							grade 7 events	291487	283877	336723	304883	323204	176718
								85%	83%	87%	85%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	149.874699	149.8741661069487	CCD I2 on	Y	Y
[deg] Pointing Dec	2.158635	2.186128521828888	CCD I3 on	Y	Y
[deg] Pointing Roll	60.670423	60.87912767037052	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	284377032.184000	284376656.21059	CCD S5 on	N	N
Observation start date	2007-01-05T09:36:07	2007-01-05T09:30:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	284425769.184000	284426004.32543	On-chip summing requested	N	N
Observation end date	2007-01-05T23:08:24	2007-01-05T23:13:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



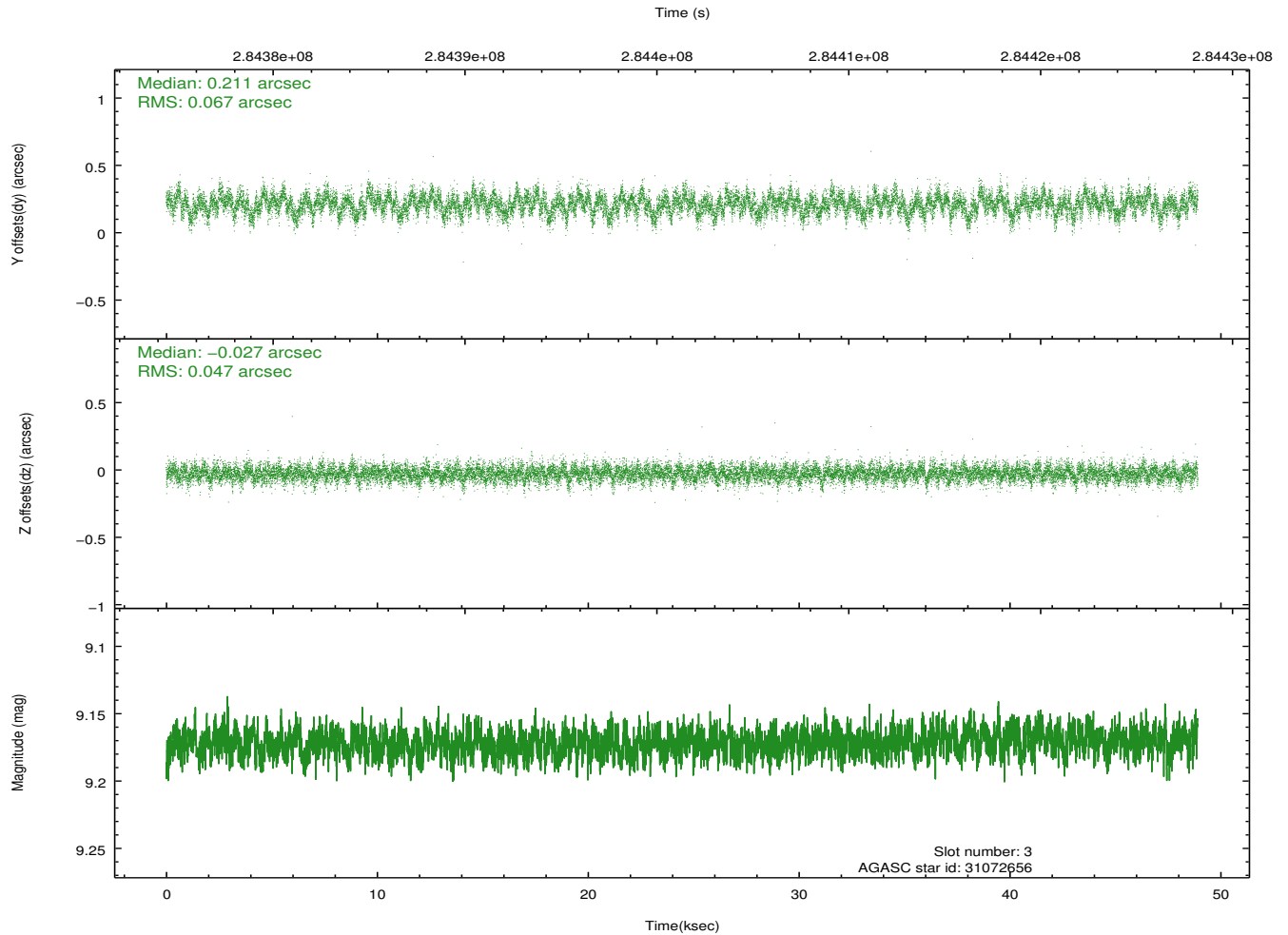
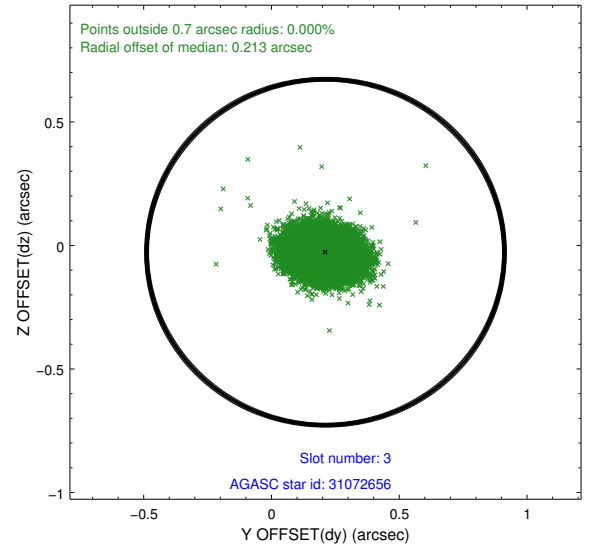
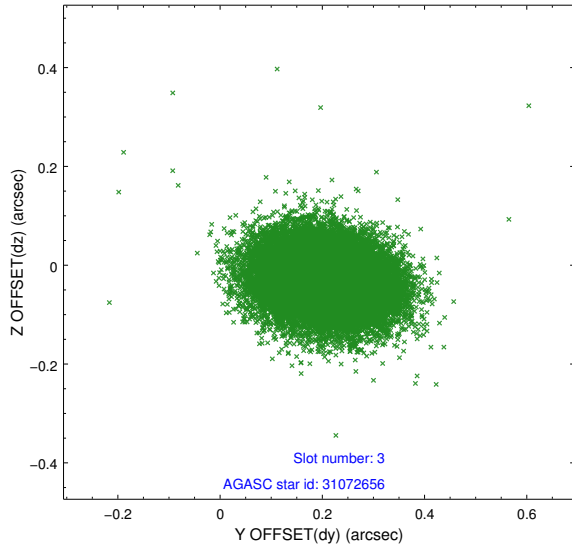


Slot Statistics

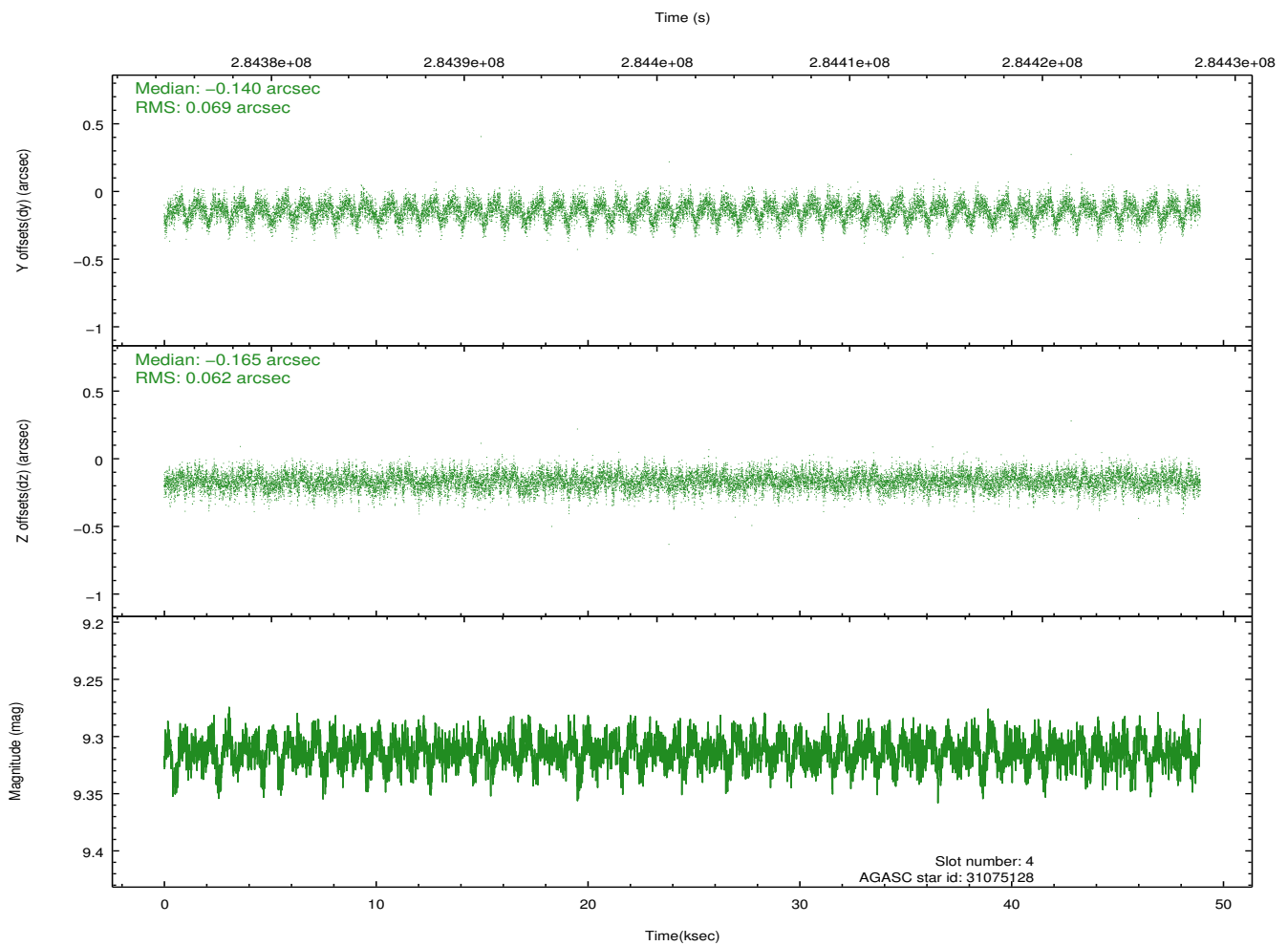
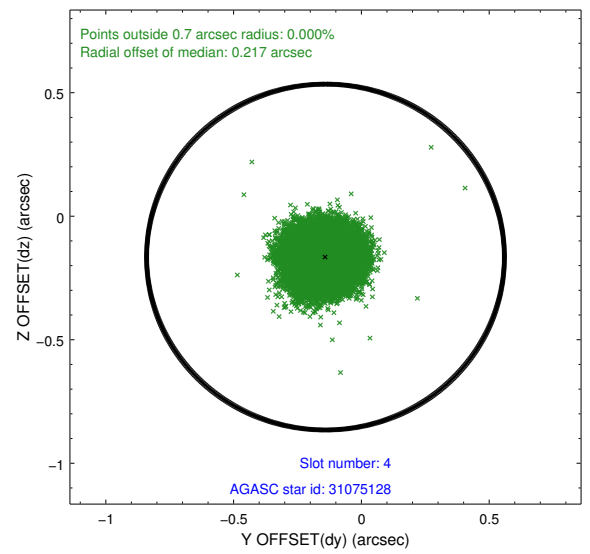
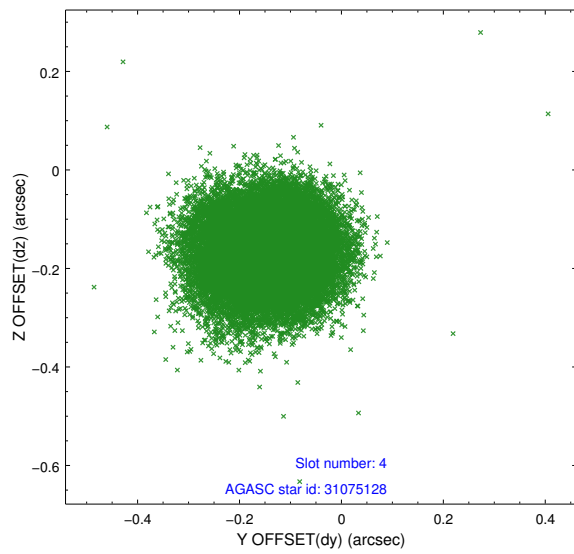
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11929	0.038	-0.019	0.007	0.012	0.000000	0.000000	923.26	-838.59
1	FID	ACIS-I-5	7.23	11931	-0.228	0.036	0.006	0.010	0.000000	0.000000	-1825.12	1058.97
2	FID	ACIS-I-6	7.25	11928	0.098	0.054	0.007	0.012	0.000000	0.000000	388.88	1703.47
3	GUIDE	31072656	9.17	23840	0.211	-0.027	0.086	0.143	149.313368	1.815013	-2067.23	1154.86
4	GUIDE	31075128	9.31	23832	-0.140	-0.165	0.099	0.158	149.584516	2.364347	134.43	1272.78
5	GUIDE	31076560	9.67	23843	0.150	0.079	0.129	0.204	149.884782	2.009277	-450.68	-295.06
6	GUIDE	31983336	8.61	23855	-0.080	0.104	0.069	0.111	150.429924	2.291234	1395.20	-1506.89
7	GUIDE	32375384	9.99	23766	-0.133	0.023	0.163	0.272	150.238117	2.622063	2095.03	-321.58

2.4 Star Slots

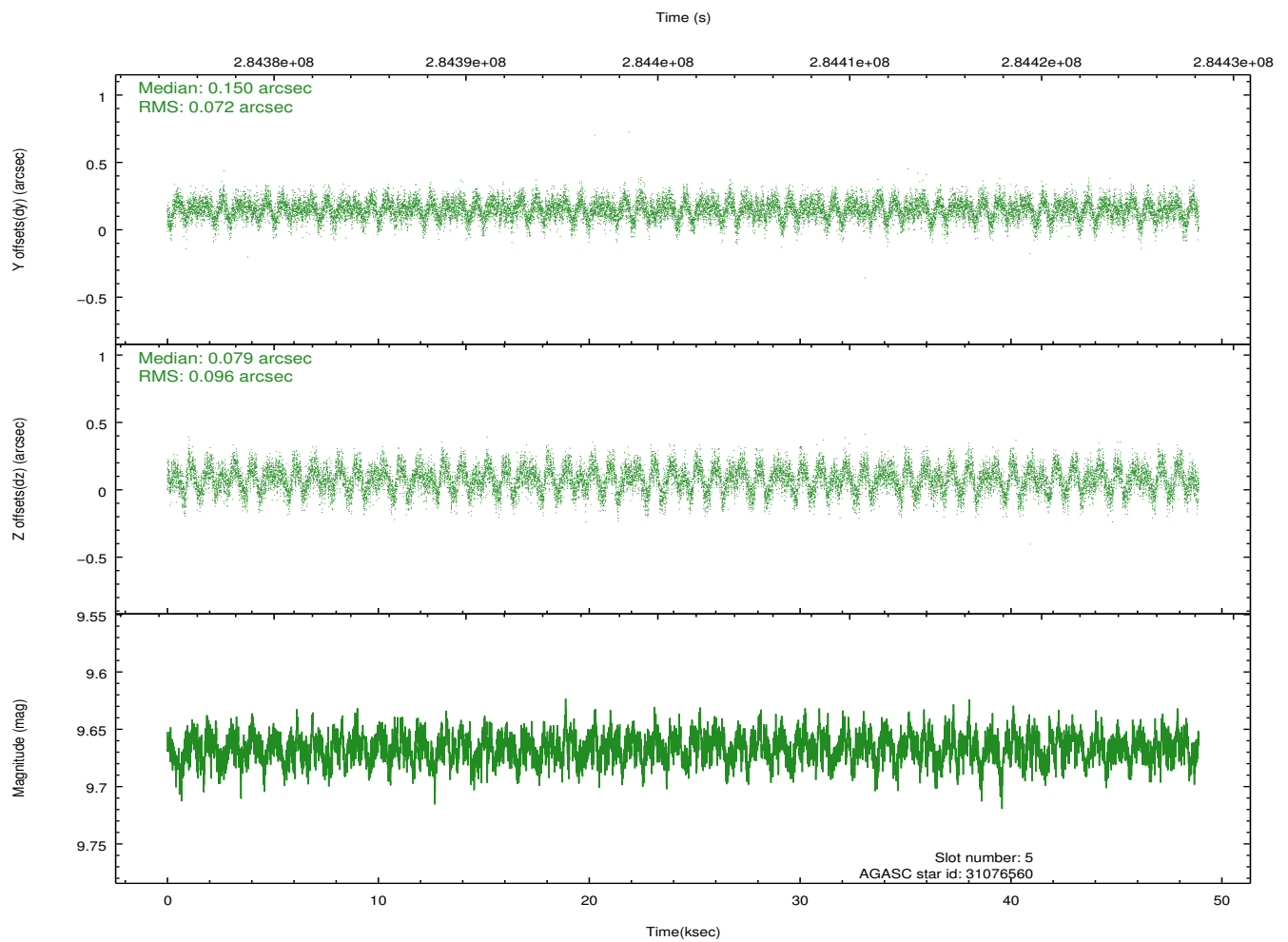
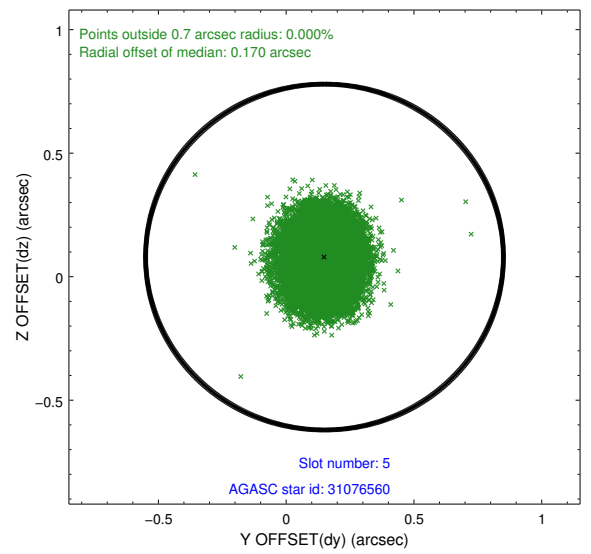
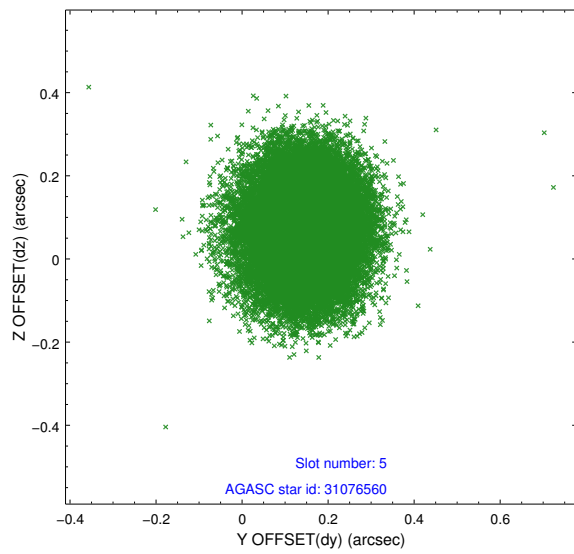
2.4.1 Slot 3



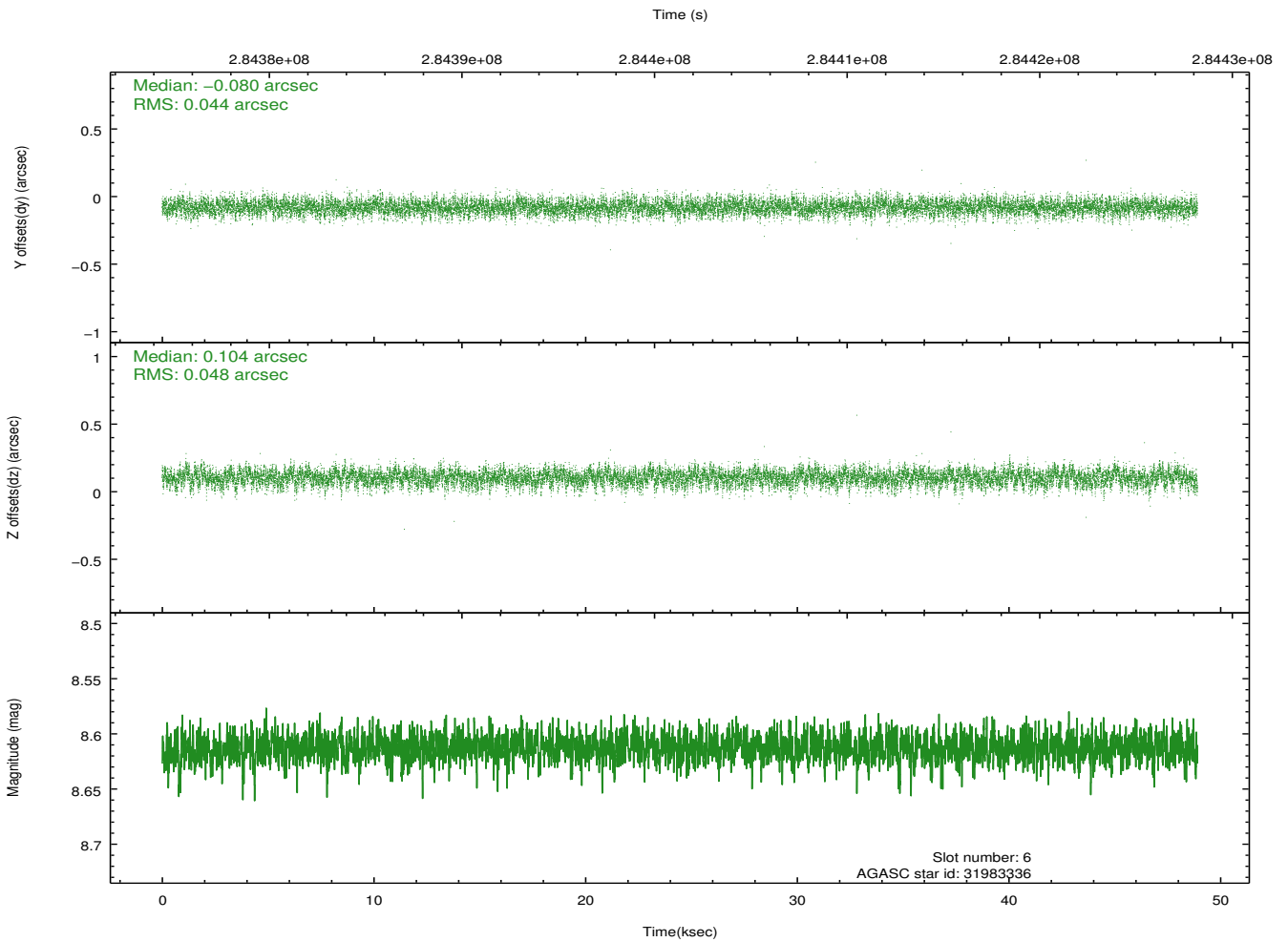
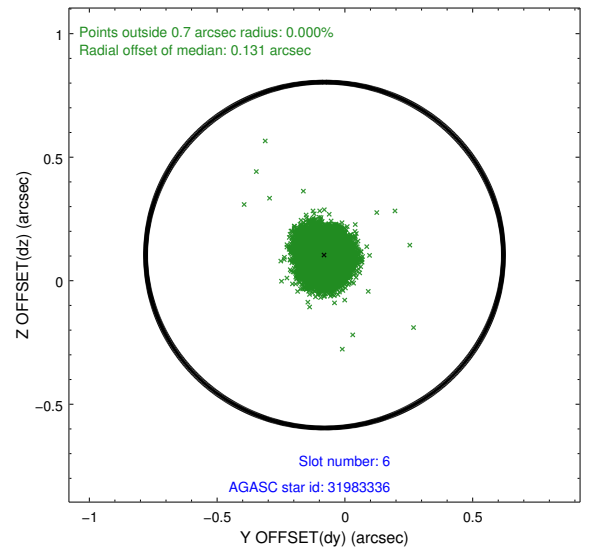
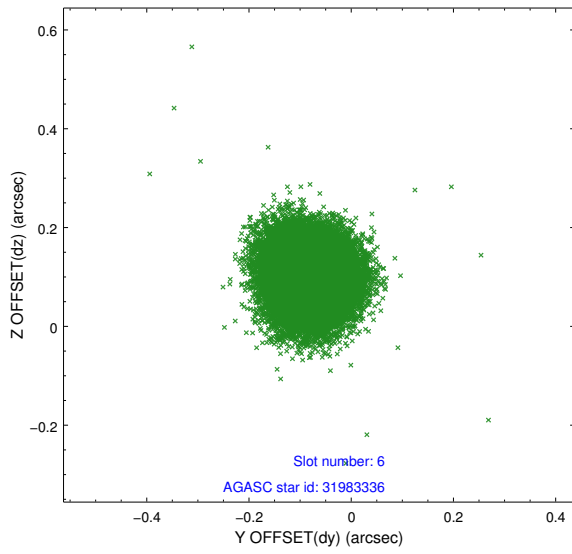
2.4.2 Slot 4



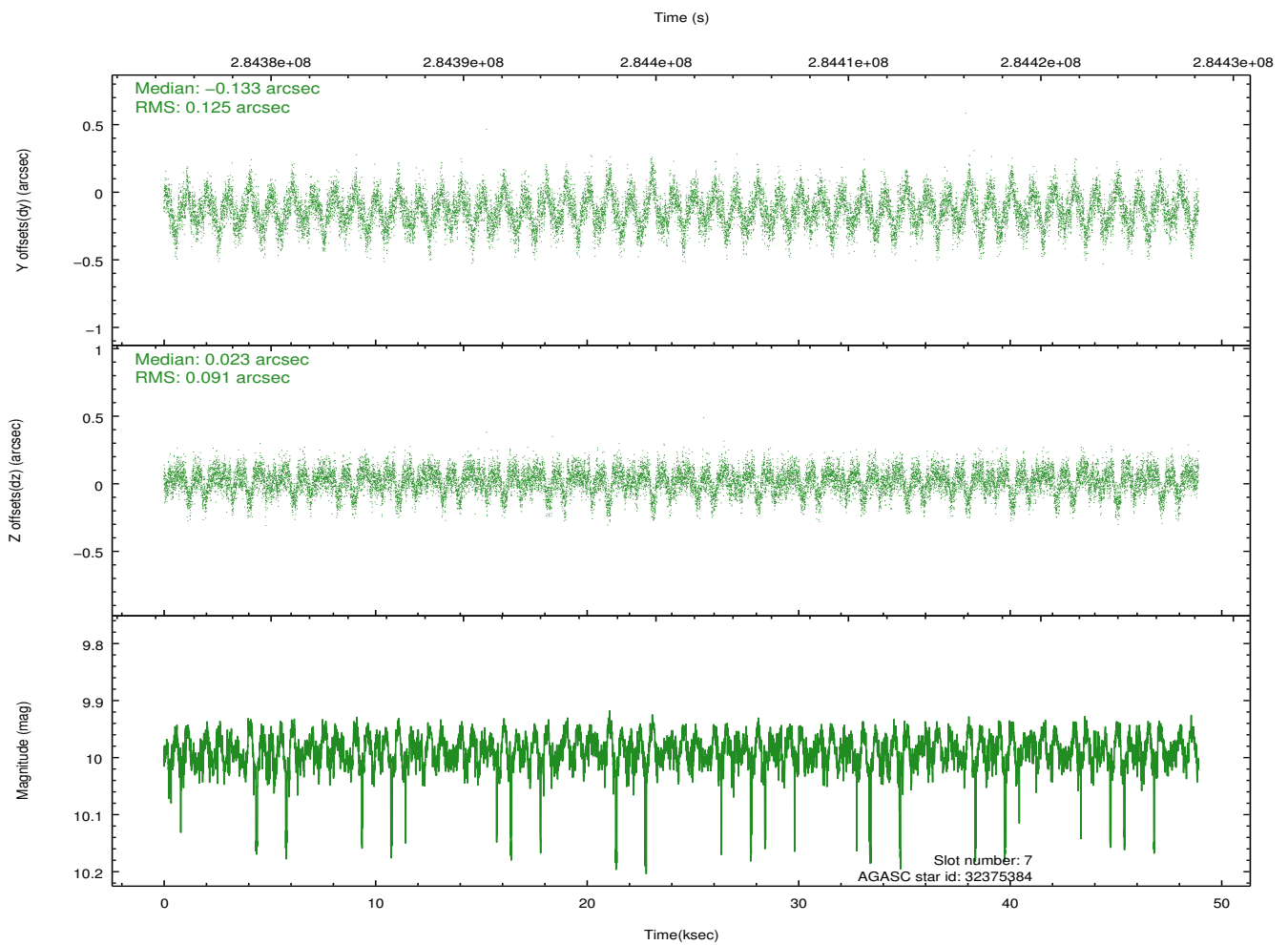
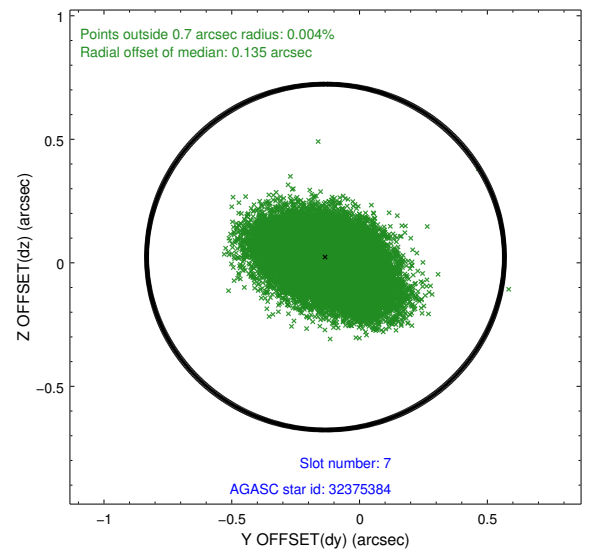
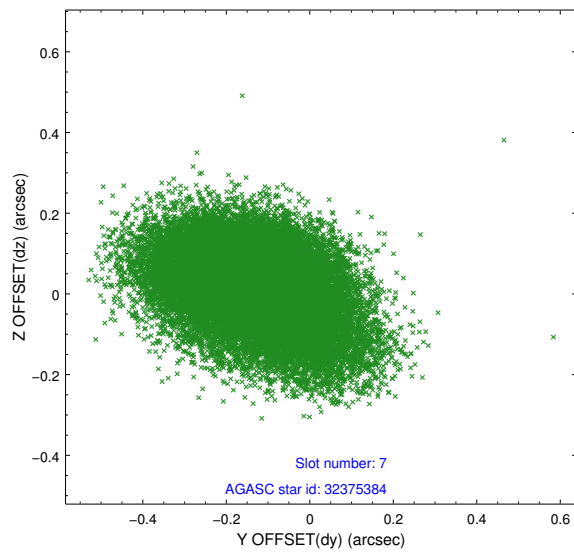
2.4.3 Slot 5



2.4.4 Slot 6

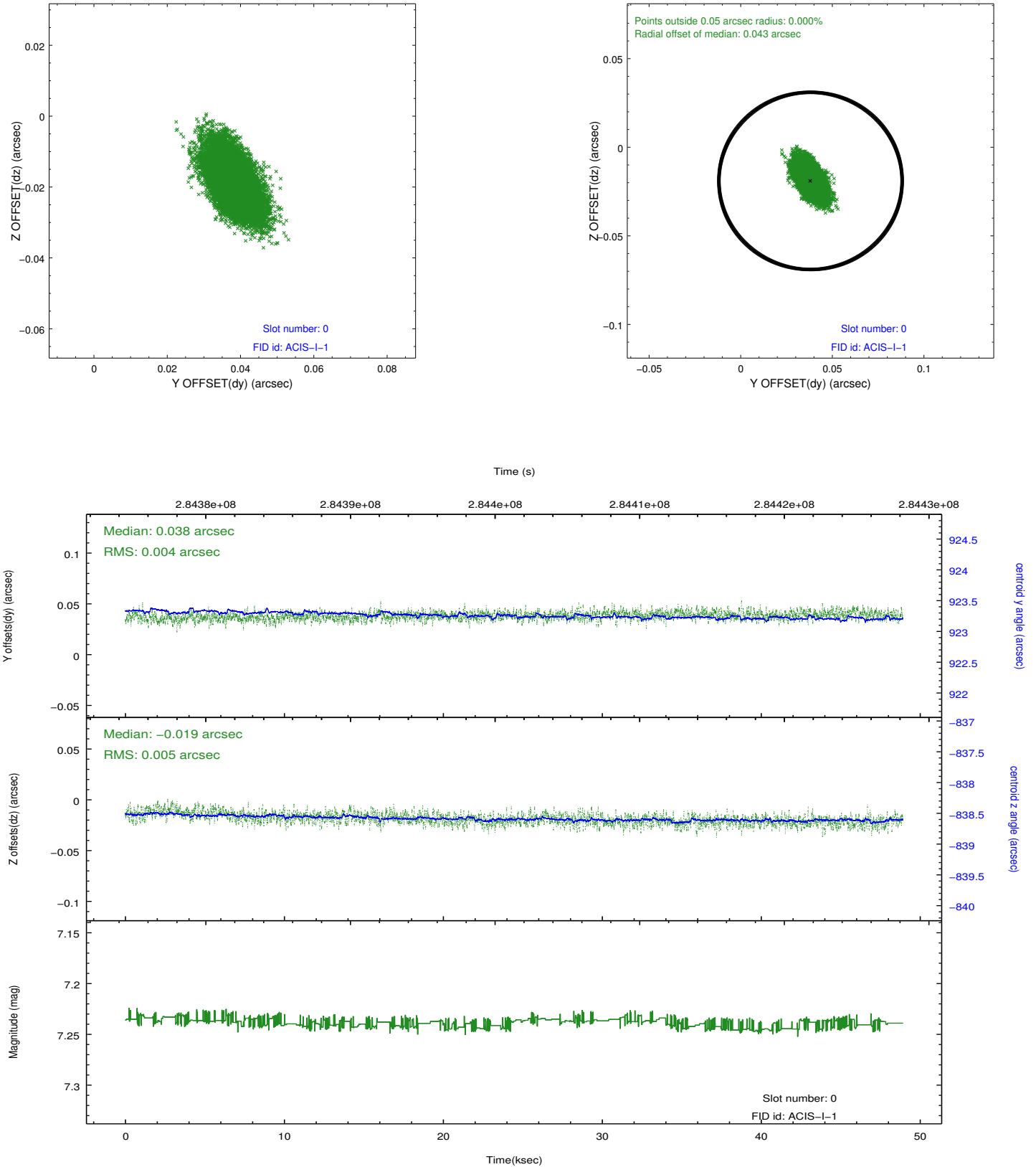


2.4.5 Slot 7

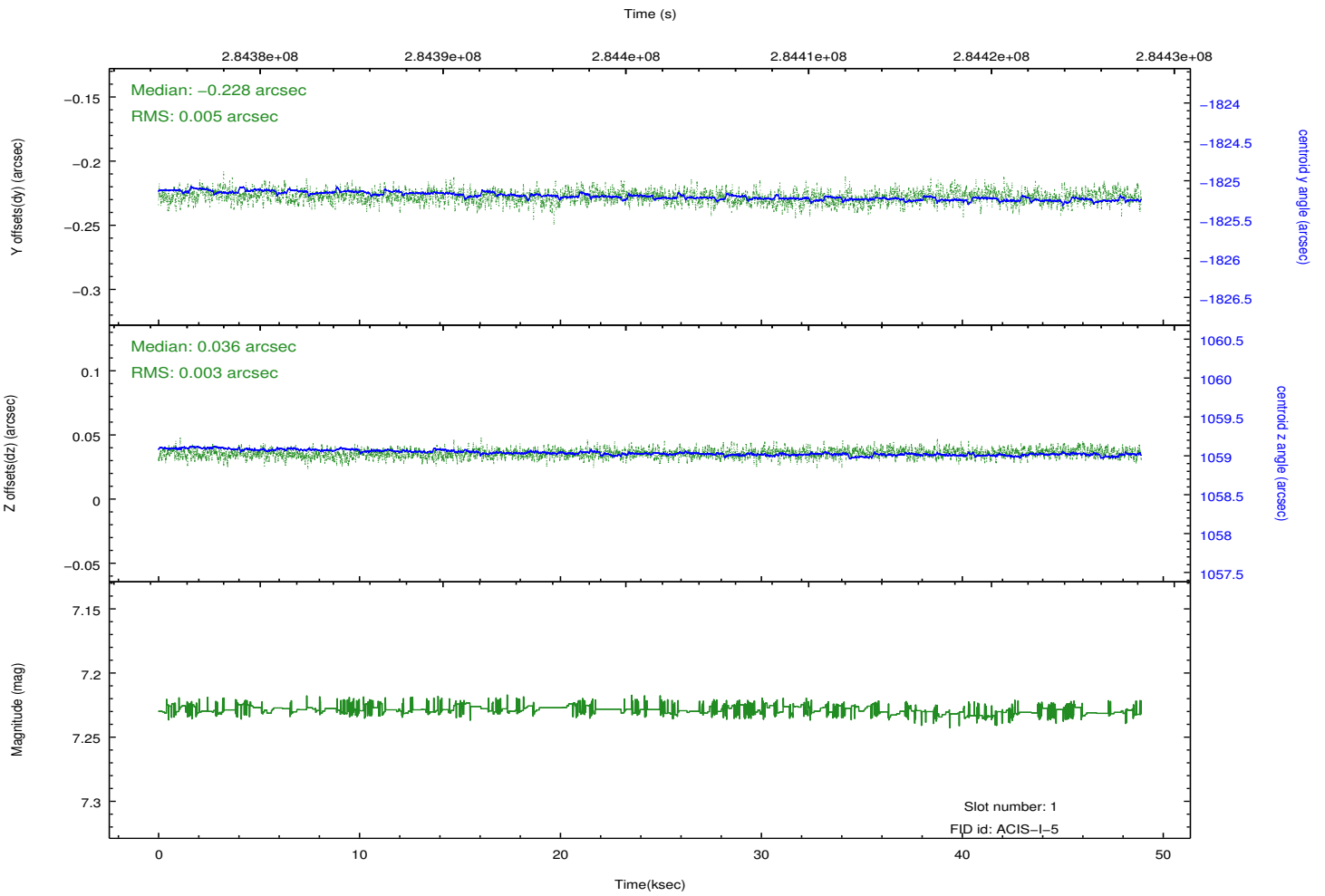
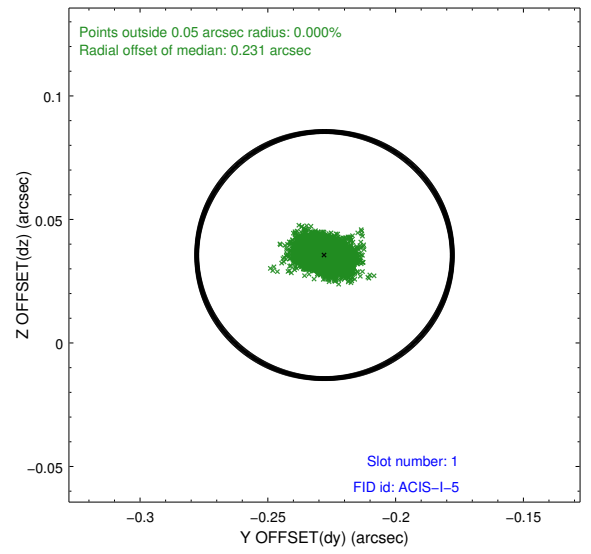
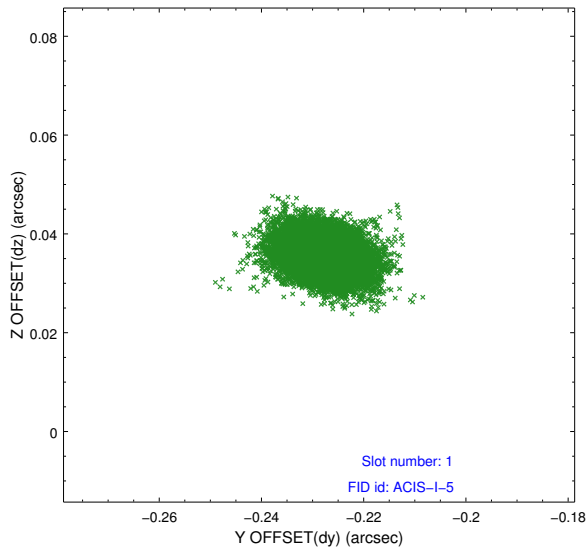


2.5 FID Slots

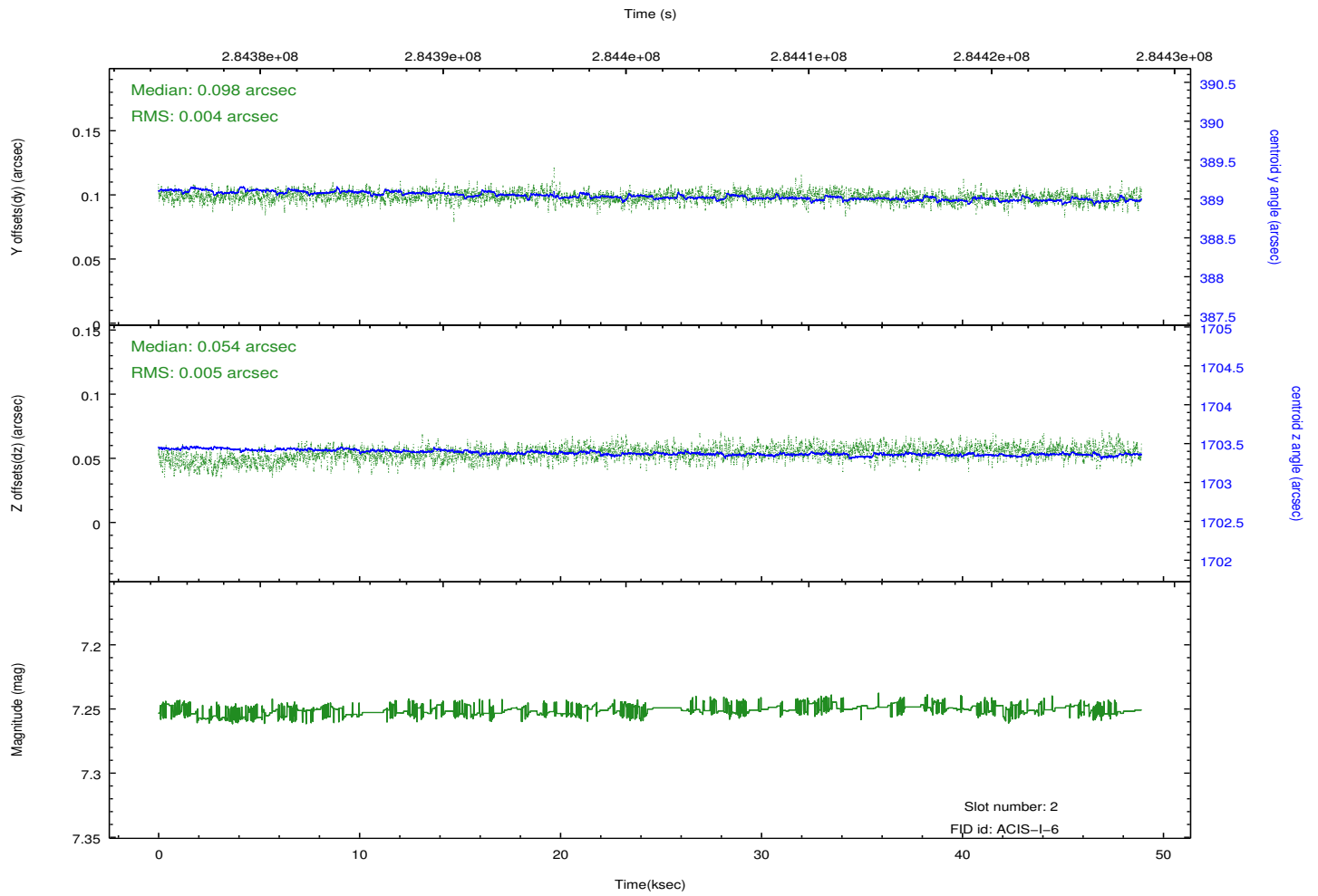
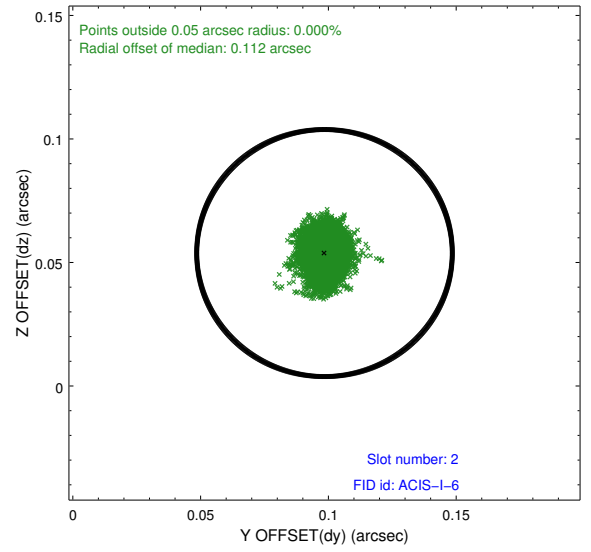
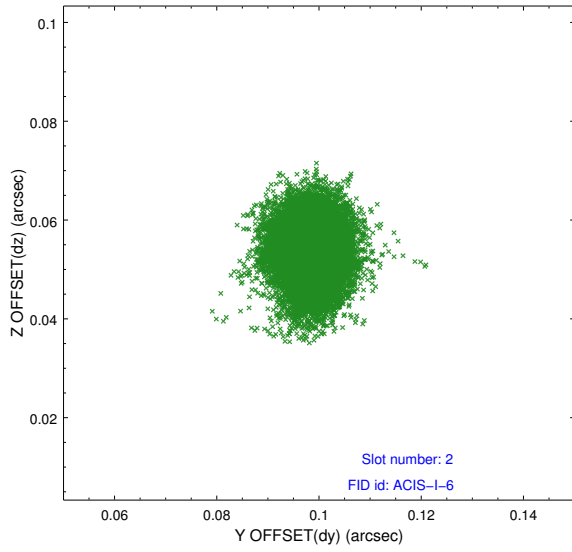
2.5.1 Slot 0



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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.4734358

A.2 Comments