

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8471 - L2 Version 2
Chandra X-Ray Center

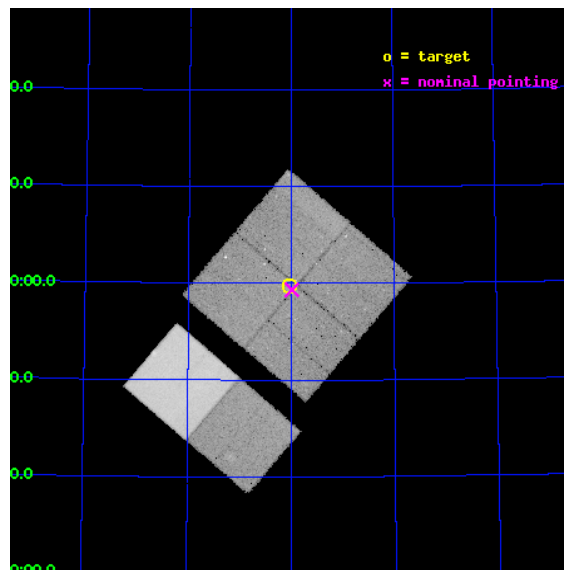
L2 Processing Date : Apr 28 2012

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

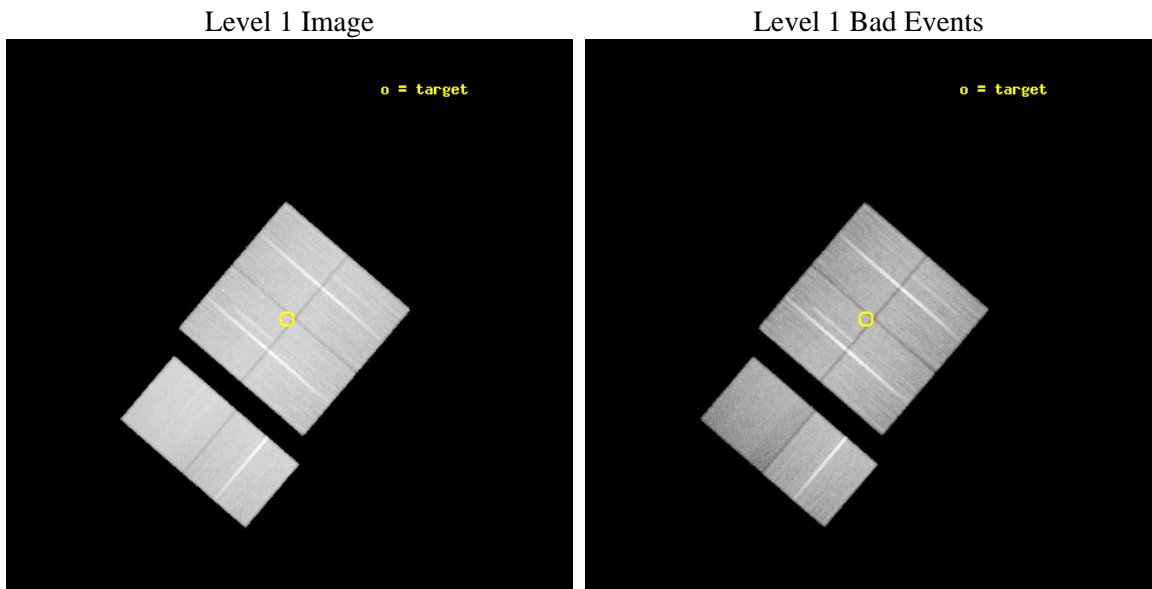
seq_num	701345	Sequence number
obs_id	8471	Observation id
title	70 Micron MIPS and Chandra ACIS-I Imaging of the IRAC Dark Field: Infrared AGN	Proposal title
observer	Dr. Jason Surace	Principal investigator
object	IRAC Dark Field	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.008333	Observer's specified target RA [deg]
dec_targ	68.995833	Observer's specified target Dec [deg]
ra_nom	264.99633673077	Nominal RA [deg]
dec_nom	68.988986900893	Nominal Dec [deg]
roll_nom	220.60445656767	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50041.16407299	Sum of GTIs [s]
livetime	49407.512722327	Livetime [s]
ontime0	50037.799982607	Sum of GTIs [s]
ontime1	50021.636220932	Sum of GTIs [s]
ontime2	50037.882062674	Sum of GTIs [s]
ontime3	50041.16407299	Sum of GTIs [s]
ontime6	50038.005182683	Sum of GTIs [s]
ontime7	50041.205112994	Sum of GTIs [s]
l2events	359730	Number of level 2 events



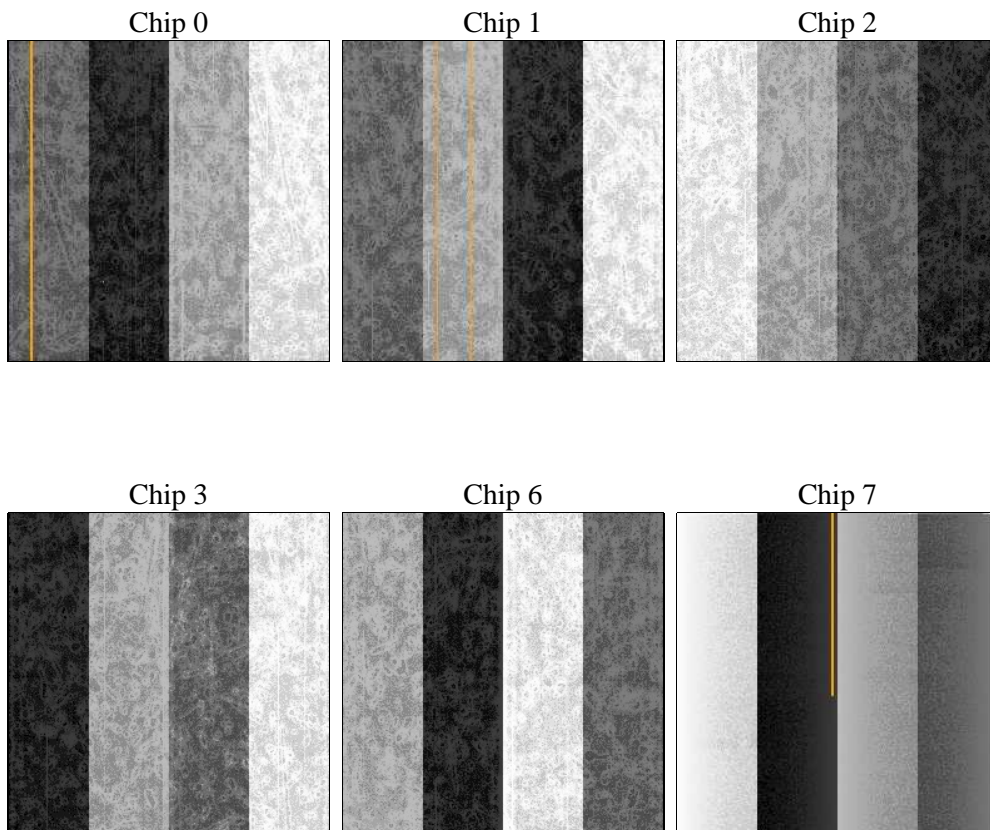
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	50041.16407299	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	50037.799982607	Sum of GTIs [s]
date	2012-04-28T16:22:26	Date and time of file creation	ontime1	50021.636220932	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	50037.882062674	Sum of GTIs [s]
			ontime3	50041.16407299	Sum of GTIs [s]
			ontime6	50038.005182683	Sum of GTIs [s]
			ontime7	50041.205112994	Sum of GTIs [s]
			l1events	2415109	Number of level 1 events

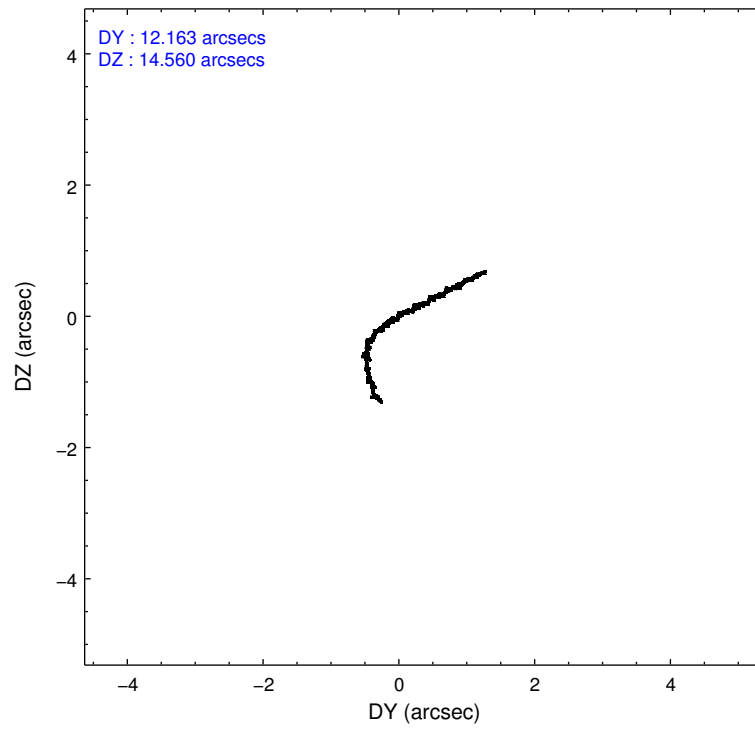
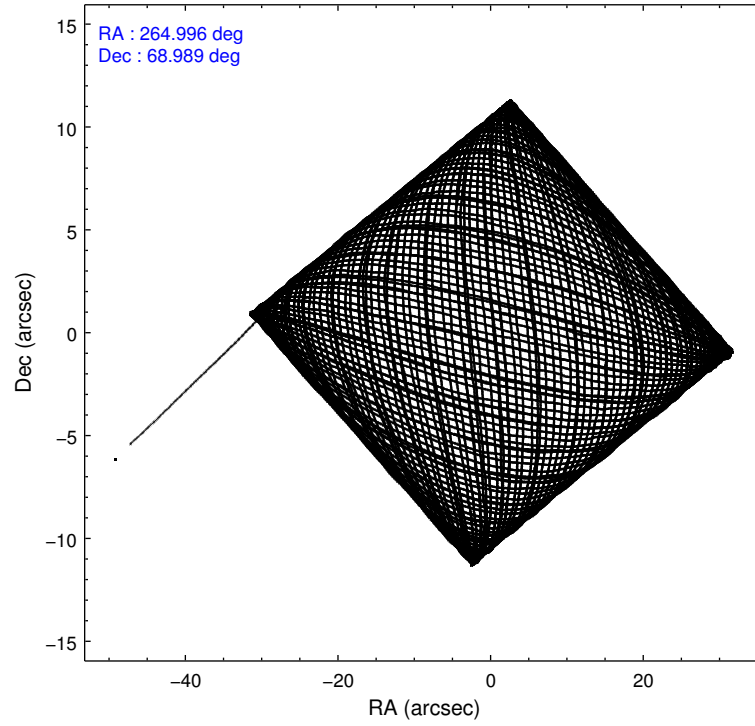
2.1.4 Events

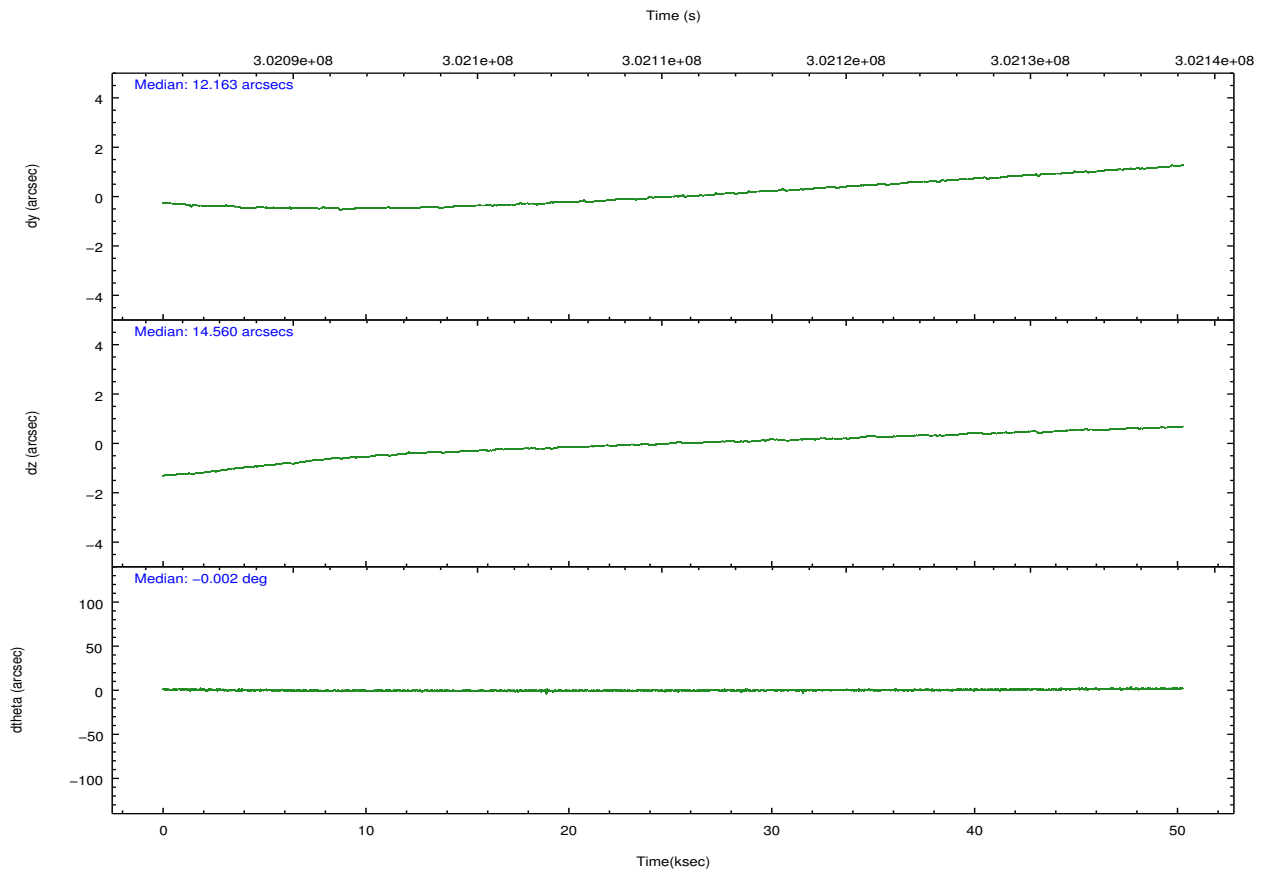
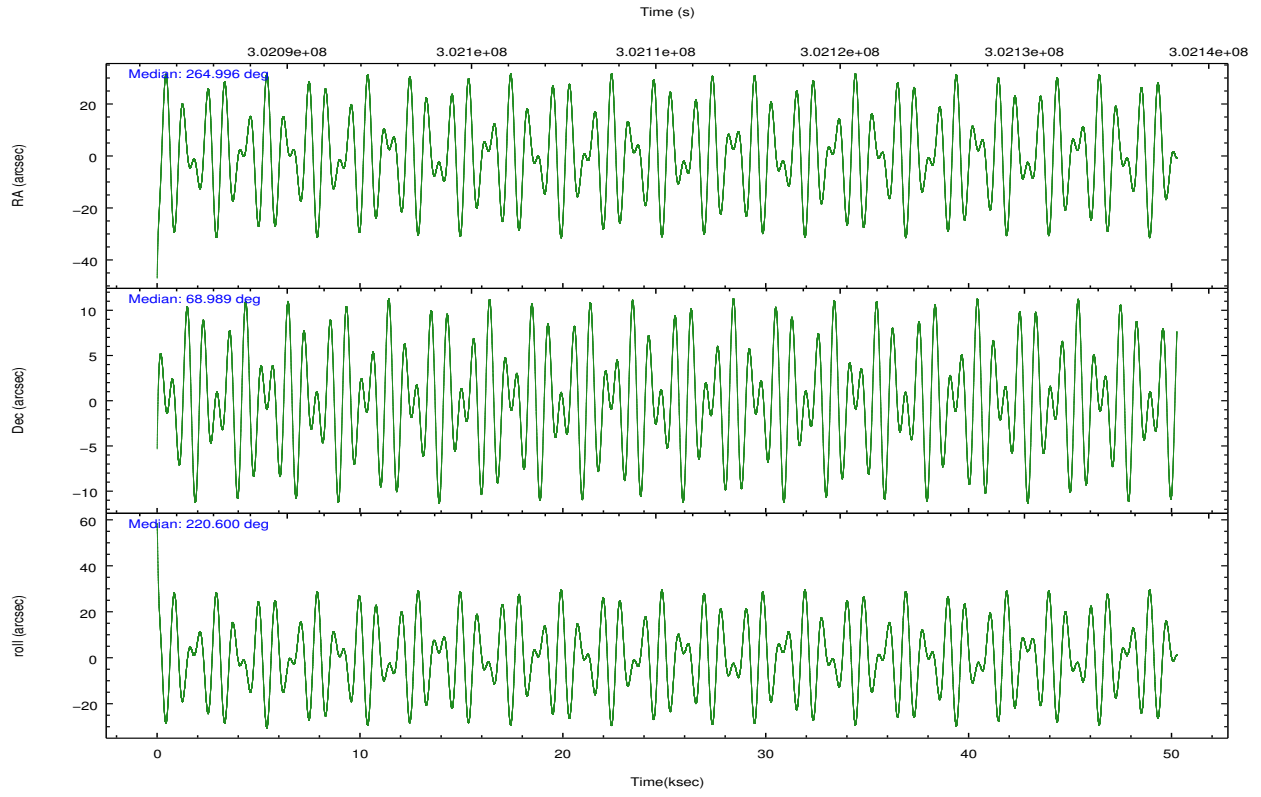
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	374345	369183	416440	398979	416124	440038	grade 0 events	13511	15769	13722	13031	13930	18966
rejected events	335903	325171	378417	362368	375466	238812		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	90%	90%	90%	54%	grade 1 events	189	201	240	215	241	553
								0%	0%	0%	0%	0%	0%
							grade 2 events	9031	10012	9009	7685	9067	40515
								2%	2%	2%	1%	2%	9%
							grade 3 events	4365	4839	4060	4227	4348	18376
								1%	1%	0%	1%	1%	4%
							grade 4 events	4166	4618	4257	4100	4385	18228
								1%	1%	1%	1%	1%	4%
							grade 5 events	13290	14889	12603	15610	15959	45593
								3%	4%	3%	3%	3%	10%
							grade 6 events	7373	8781	6977	7574	8932	105158
								1%	2%	1%	1%	2%	23%
							grade 7 events	322420	310074	365572	346537	359262	192649
								86%	83%	87%	86%	86%	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	265.021549	264.9963367307689	CCD I2 on	Y	Y
[deg] Pointing Dec	69.014952	68.98898690089328	CCD I3 on	Y	Y
[deg] Pointing Roll	220.372228	220.6044565676731	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)	302085738.184000	302084634.95468	CCD S5 on	N	N
Observation start date	2007-07-29T08:41:13	2007-07-29T08:23:54	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	302135738.184000	302136322.11966	On-chip summing requested	N	N
Observation end date	2007-07-29T22:34:33	2007-07-29T22:45:22	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



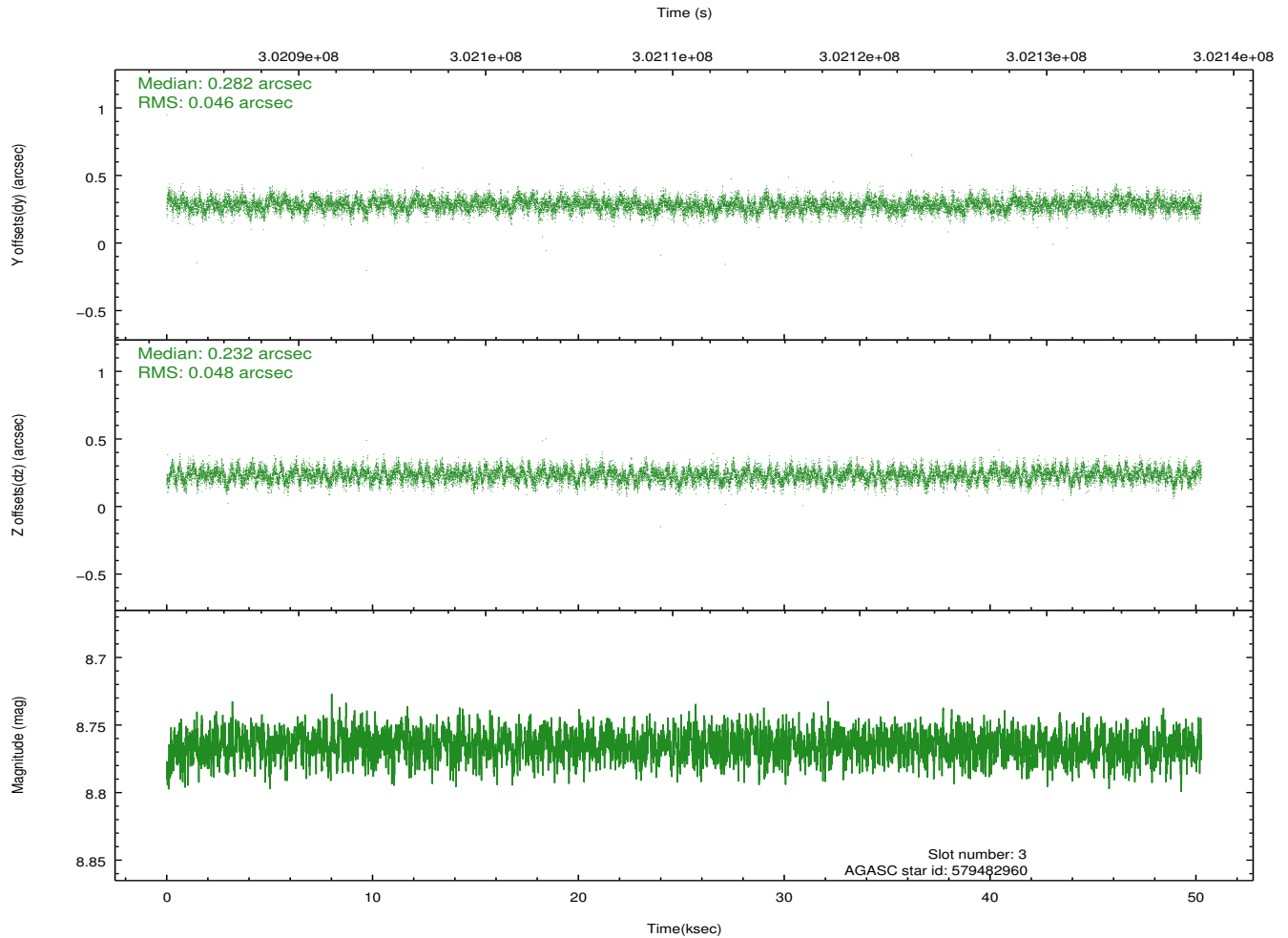
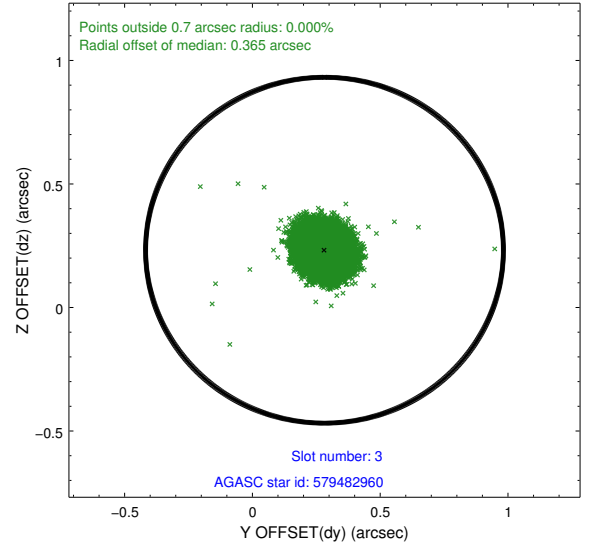
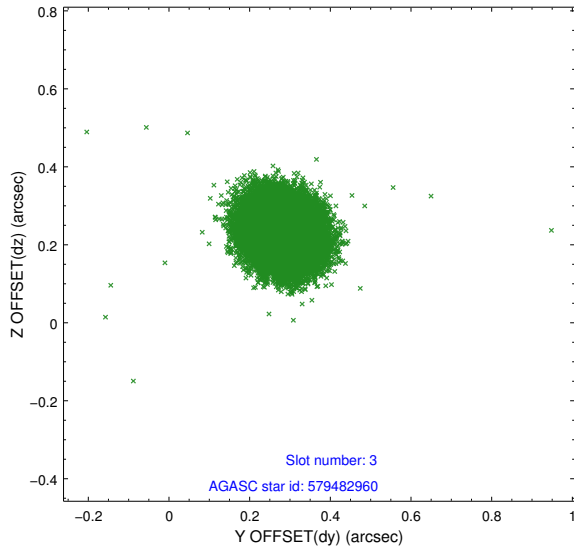


Slot Statistics

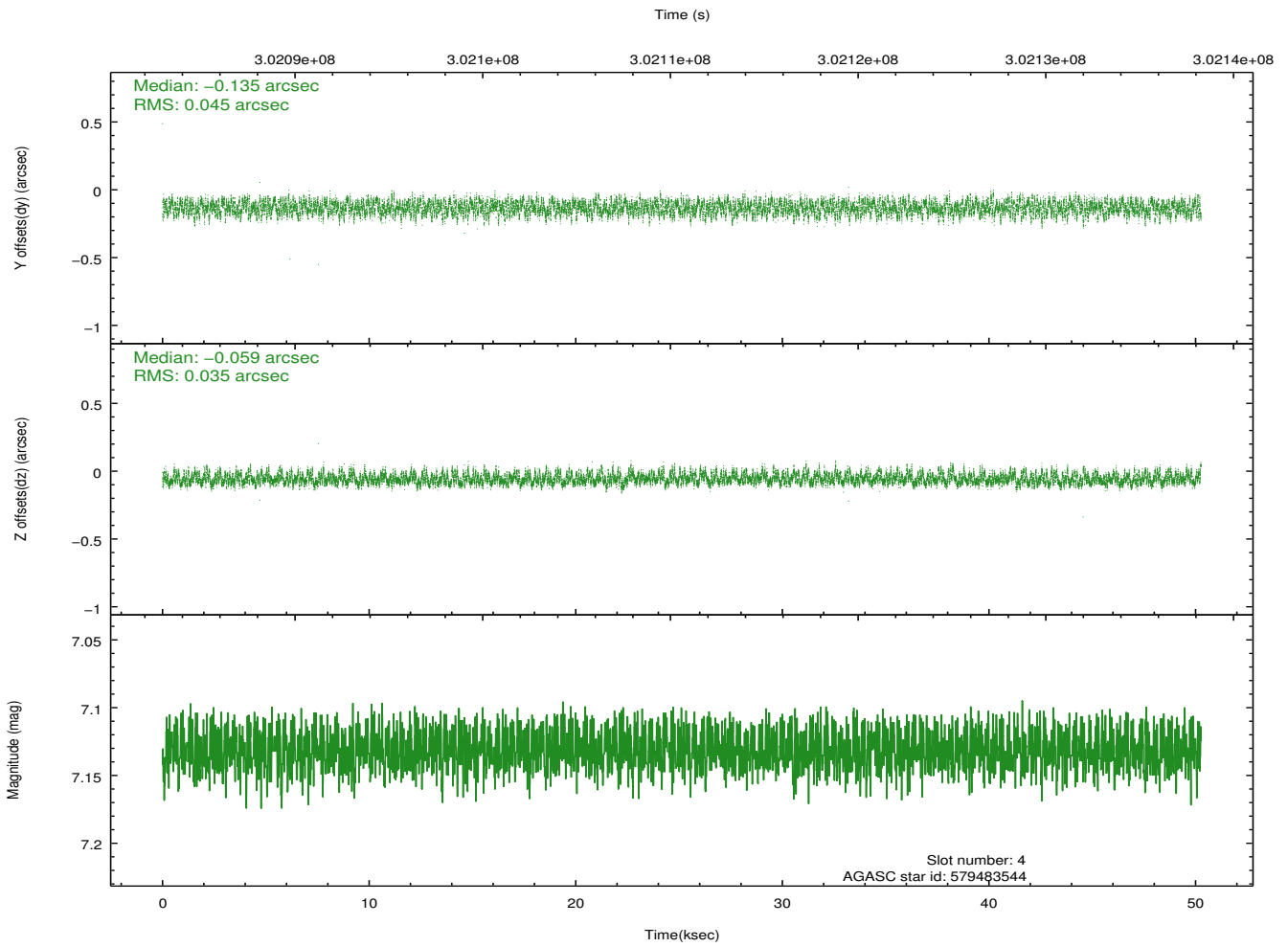
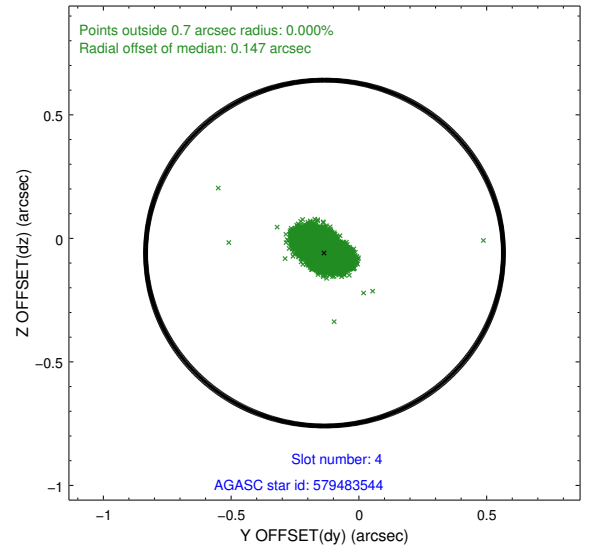
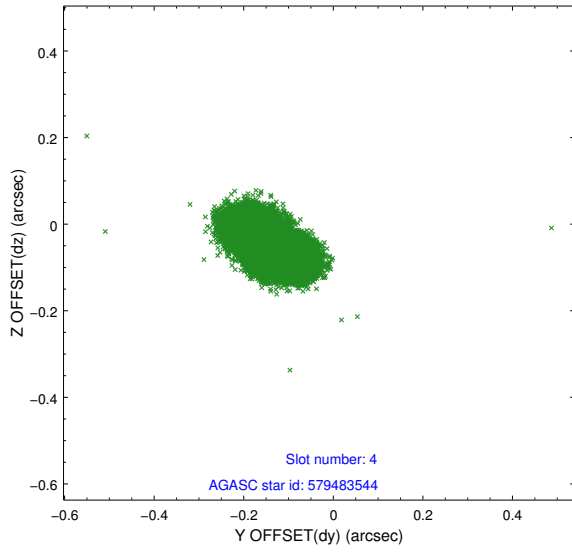
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	12259	0.028	-0.004	0.019	0.042	0.000000	0.000000	927.27	-838.07
1	FID	ACIS-I-5	7.23	12260	-0.201	0.035	0.013	0.026	0.000000	0.000000	-1821.09	1059.47
2	FID	ACIS-I-6	7.24	12260	0.081	0.044	0.018	0.028	0.000000	0.000000	392.88	1703.96
3	GUIDE	579482960	8.77	24509	0.282	0.232	0.071	0.113	263.977730	68.805638	1516.37	-314.08
4	GUIDE	579483544	7.13	24518	-0.135	-0.059	0.060	0.099	263.876838	69.297061	443.80	-1727.34
5	GUIDE	580400336	8.64	24436	0.042	-0.183	0.073	0.115	265.610160	69.133312	-853.01	161.17
6	GUIDE	580400656	7.20	24517	-0.047	0.064	0.067	0.109	265.070460	69.150286	-363.86	-330.75
7	GUIDE	580923936	6.45	24519	-0.147	-0.056	0.050	0.090	264.166502	69.570747	-480.61	-2224.89

2.4 Star Slots

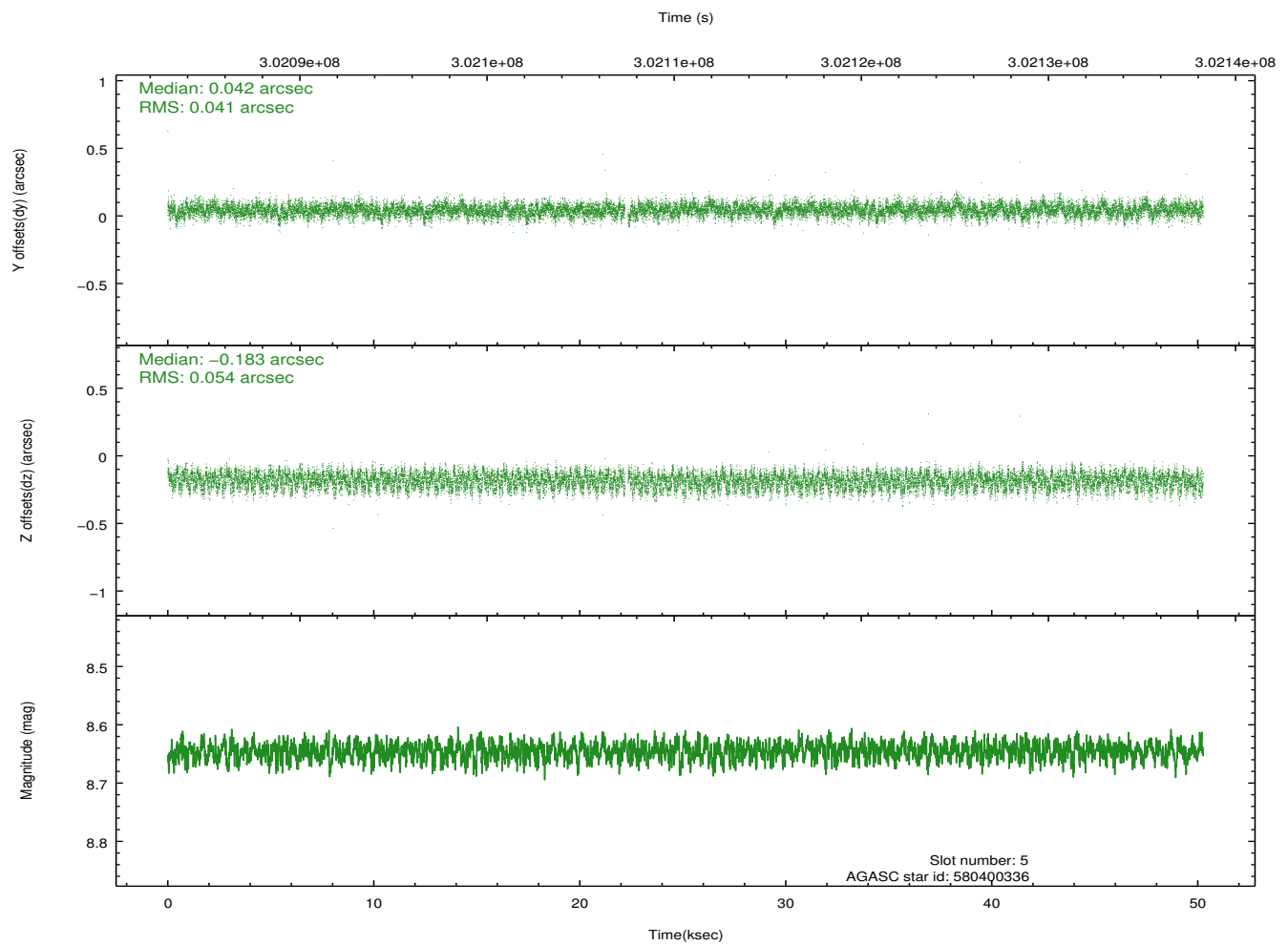
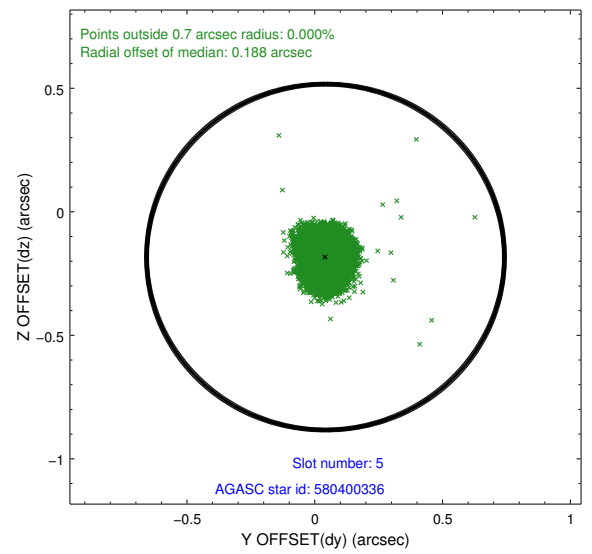
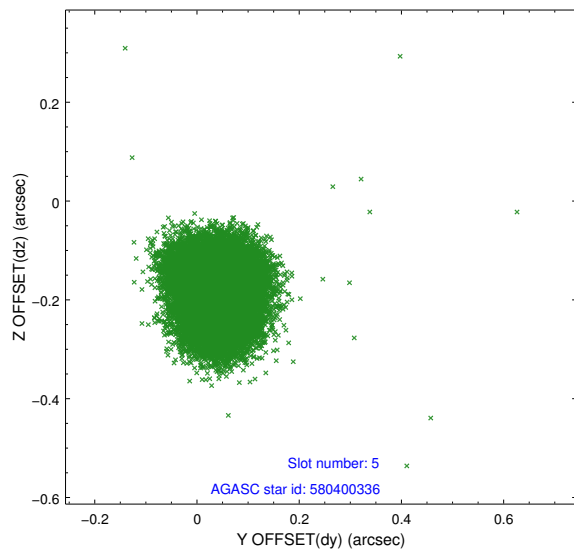
2.4.1 Slot 3



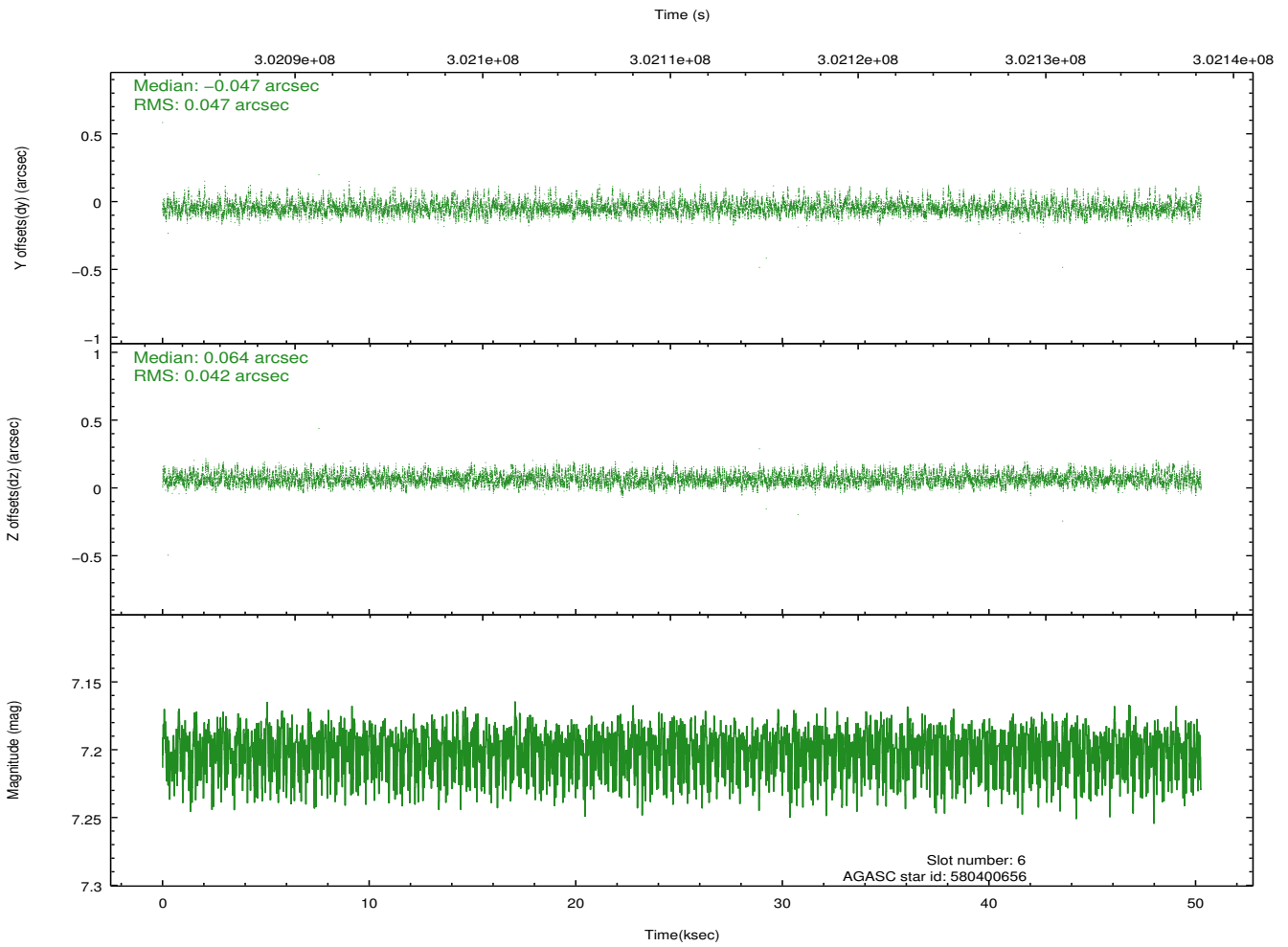
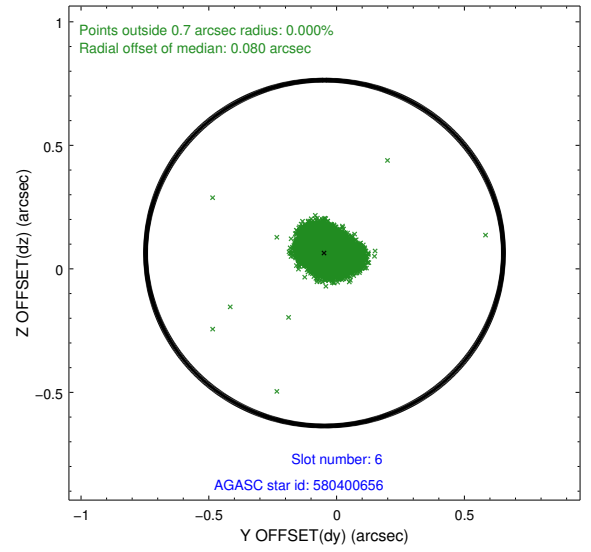
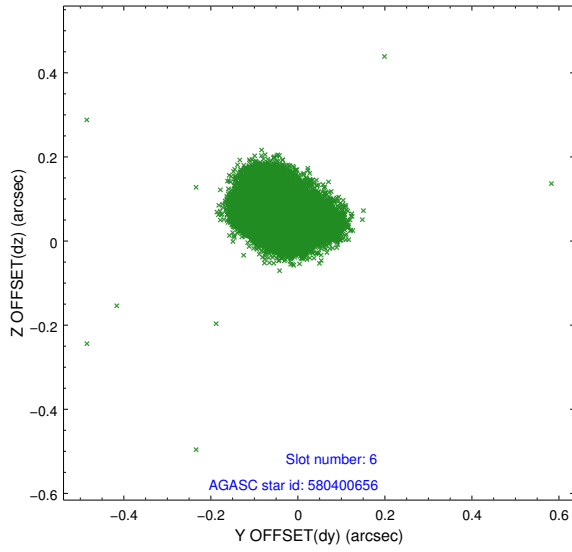
2.4.2 Slot 4



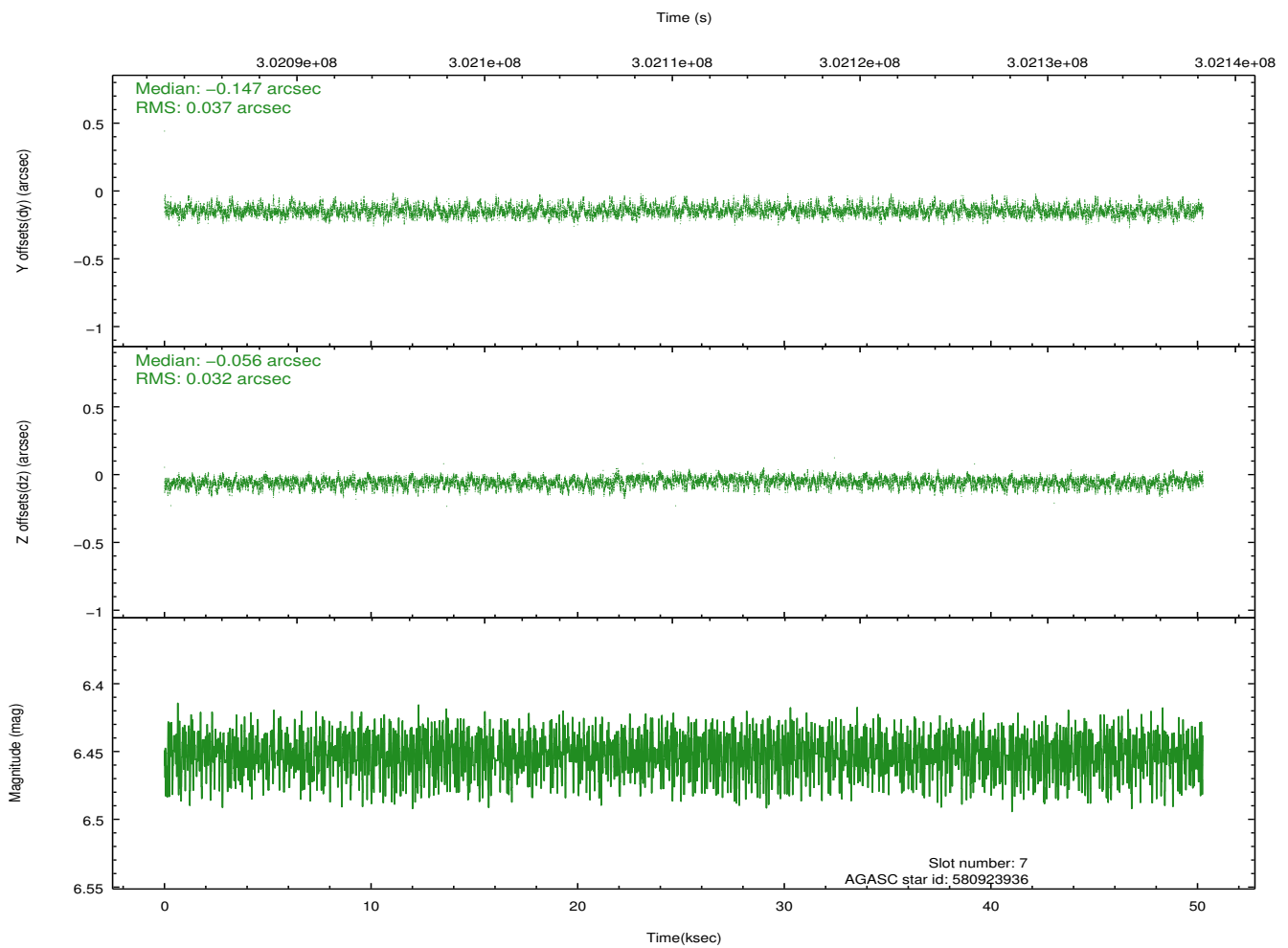
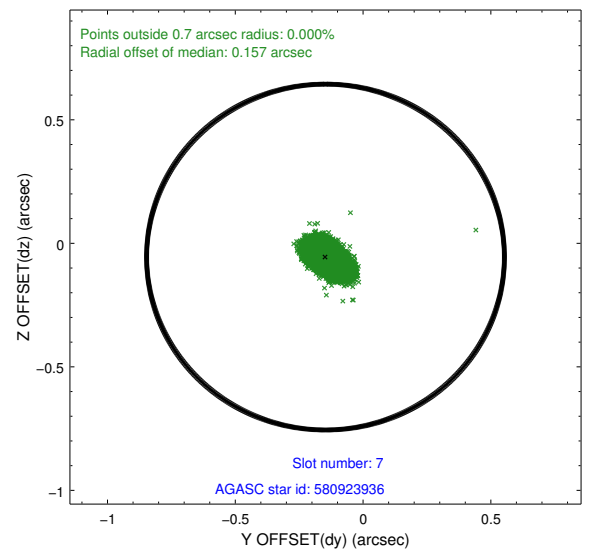
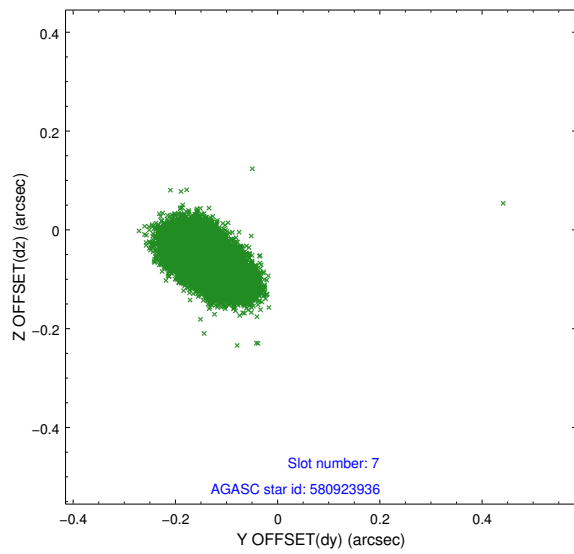
2.4.3 Slot 5



2.4.4 Slot 6

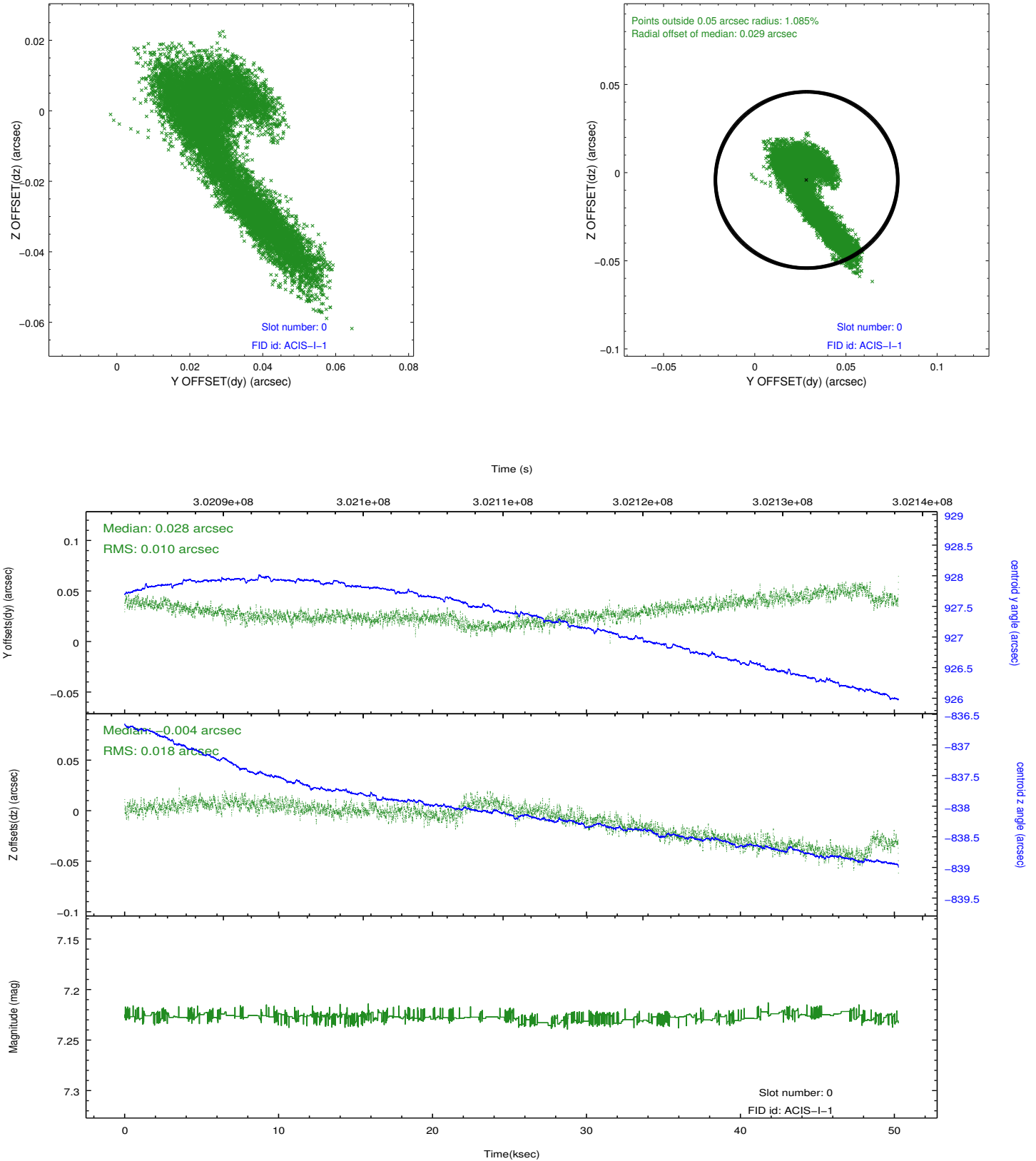


2.4.5 Slot 7

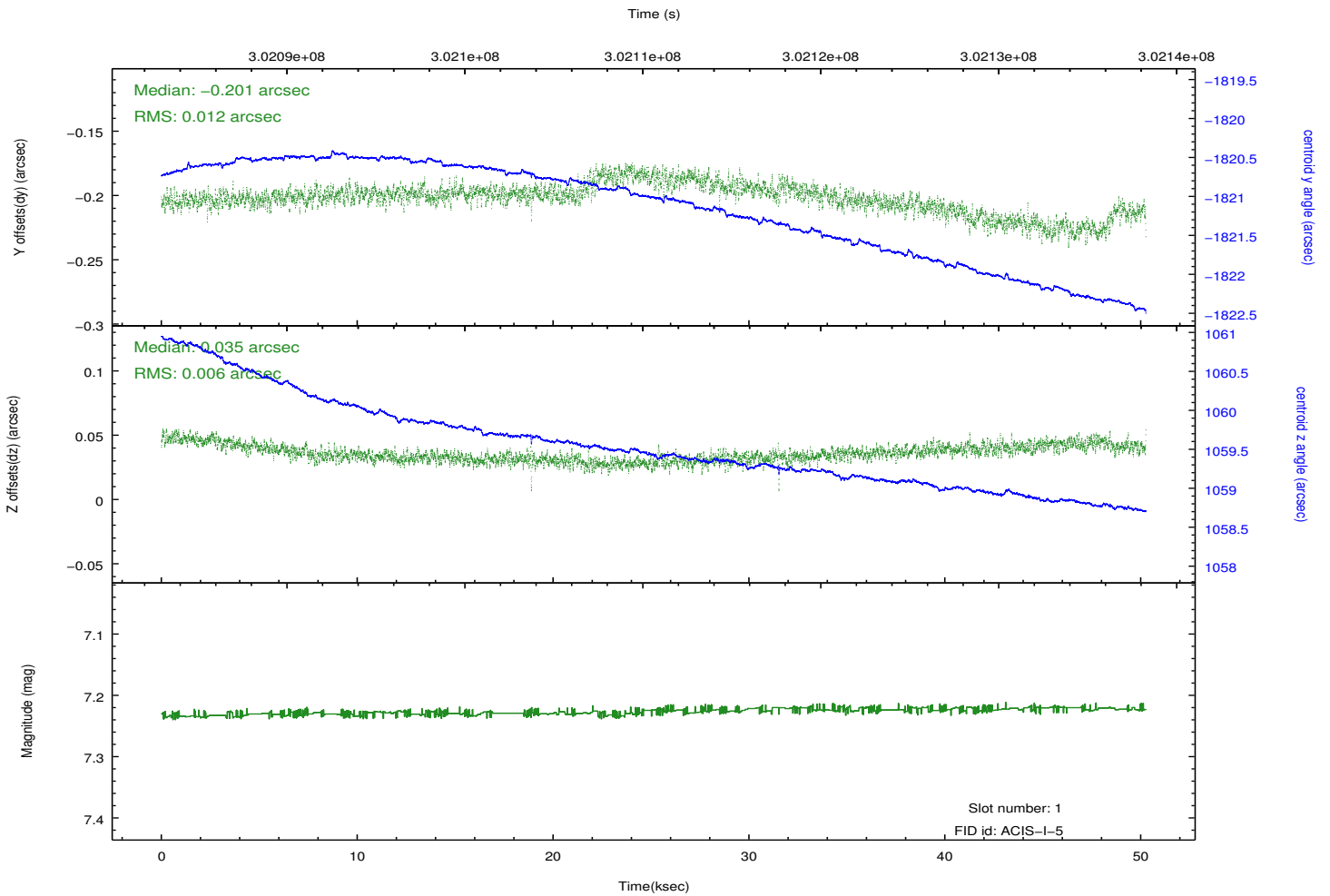
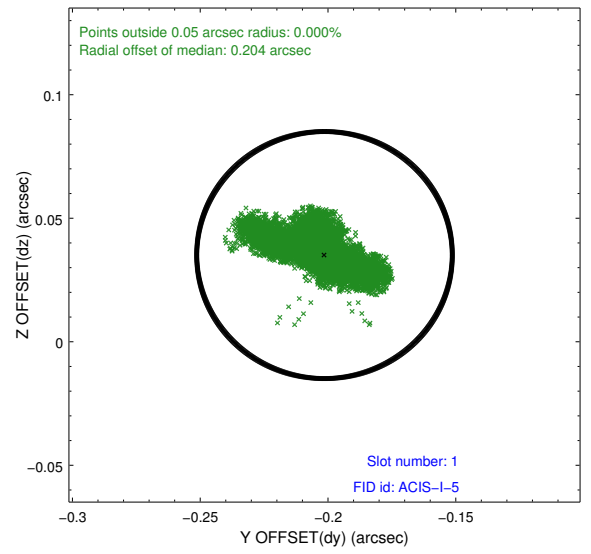
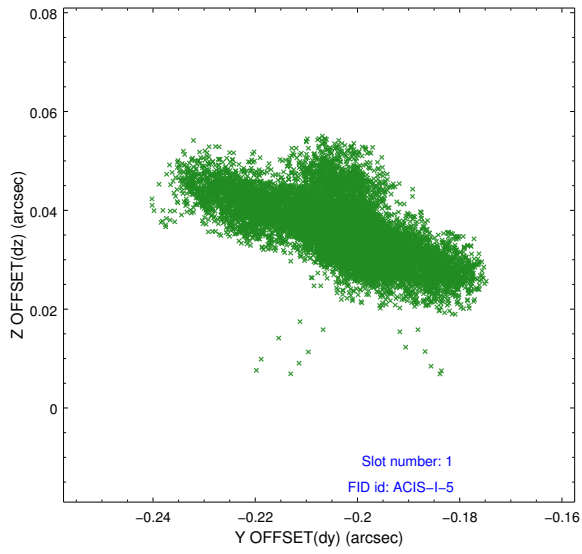


2.5 FID Slots

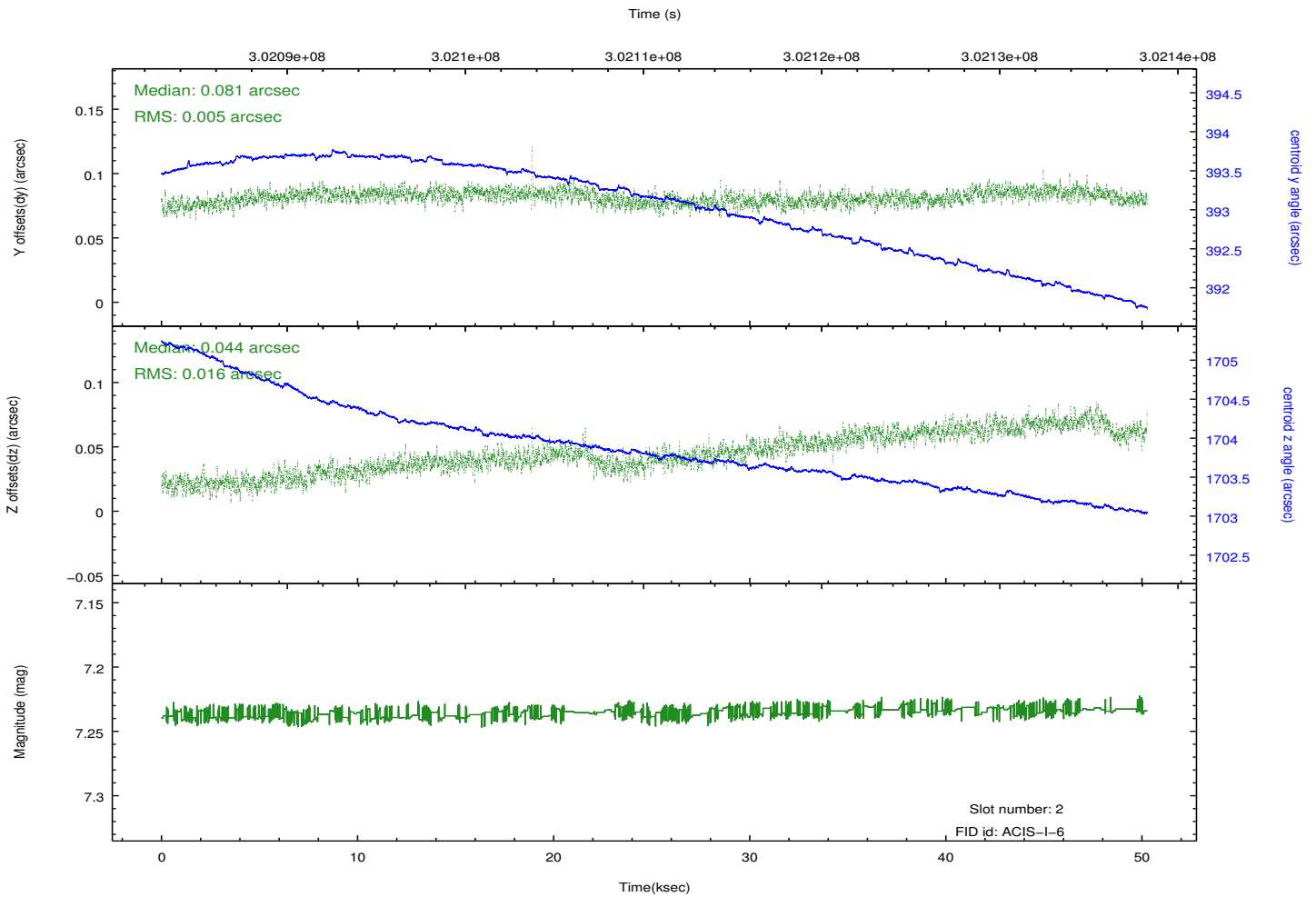
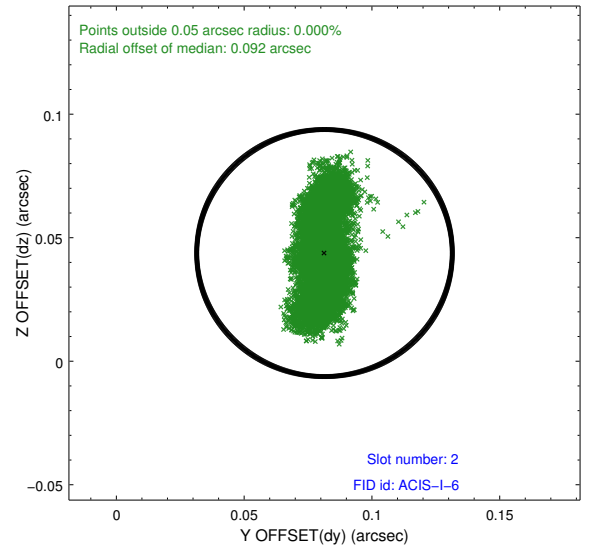
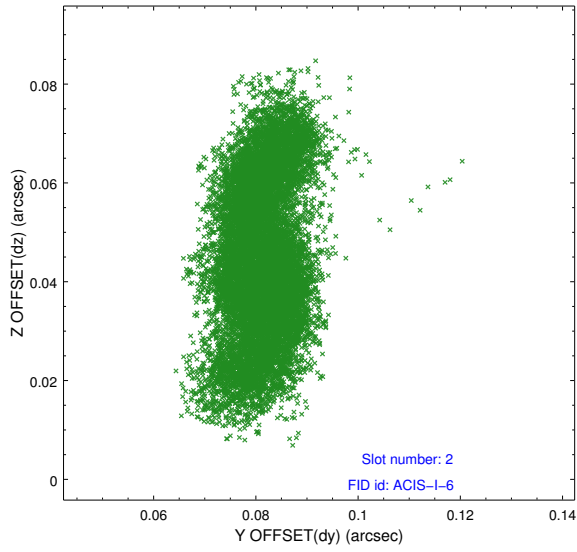
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.0415998

A.2 Comments