

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8001 - L2 Version 3
Chandra X-Ray Center

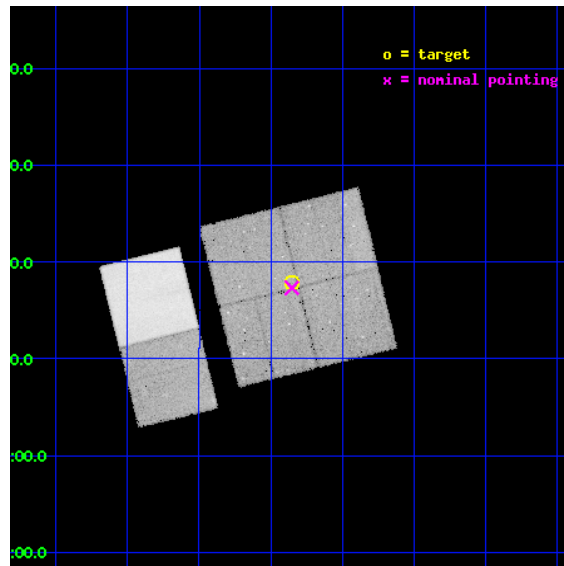
L2 Processing Date : Apr 22 2012

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1 Front

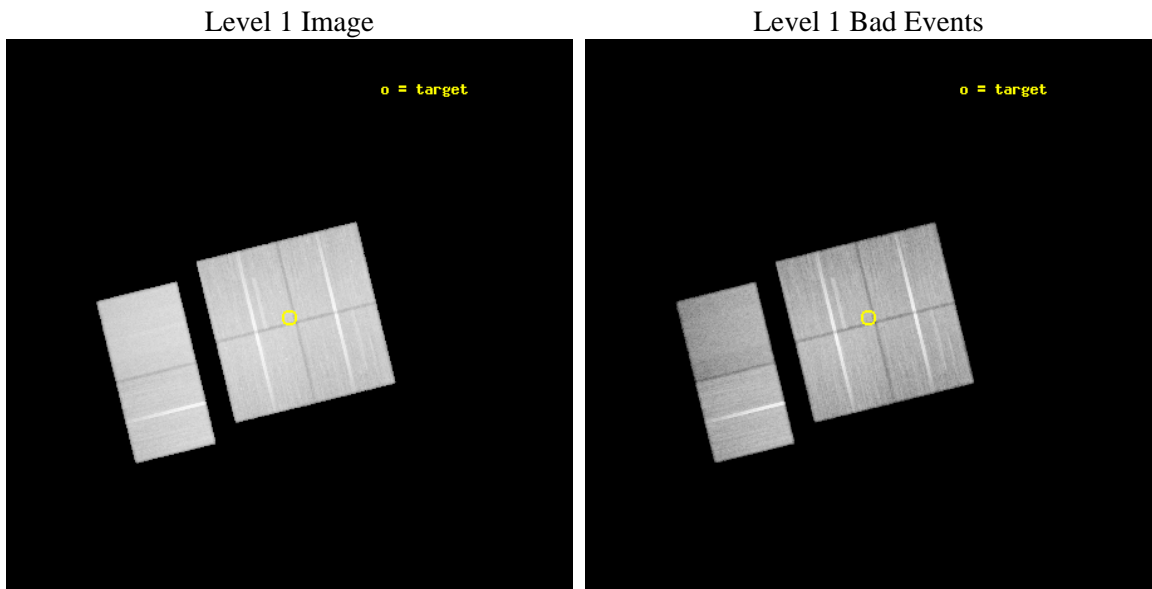
seq_num	900545	Sequence number
obs_id	8001	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS2-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.337642	Observer's specified target RA [deg]
dec_targ	2.297094	Observer's specified target Dec [deg]
ra_nom	150.33813838832	Nominal RA [deg]
dec_nom	2.2890321818243	Nominal Dec [deg]
roll_nom	256.20867352117	Nominal Roll [deg]
revision	3	Processing version of data
ontime	49299.11783576	Sum of GTIs [s]
livetime	48674.862721359	Livetime [s]
ontime0	49305.599816382	Sum of GTIs [s]
ontime1	49305.599816382	Sum of GTIs [s]
ontime2	49295.876885414	Sum of GTIs [s]
ontime3	49299.11783576	Sum of GTIs [s]
ontime6	49305.599816382	Sum of GTIs [s]
ontime7	49305.599816382	Sum of GTIs [s]
l2events	347282	Number of level 2 events



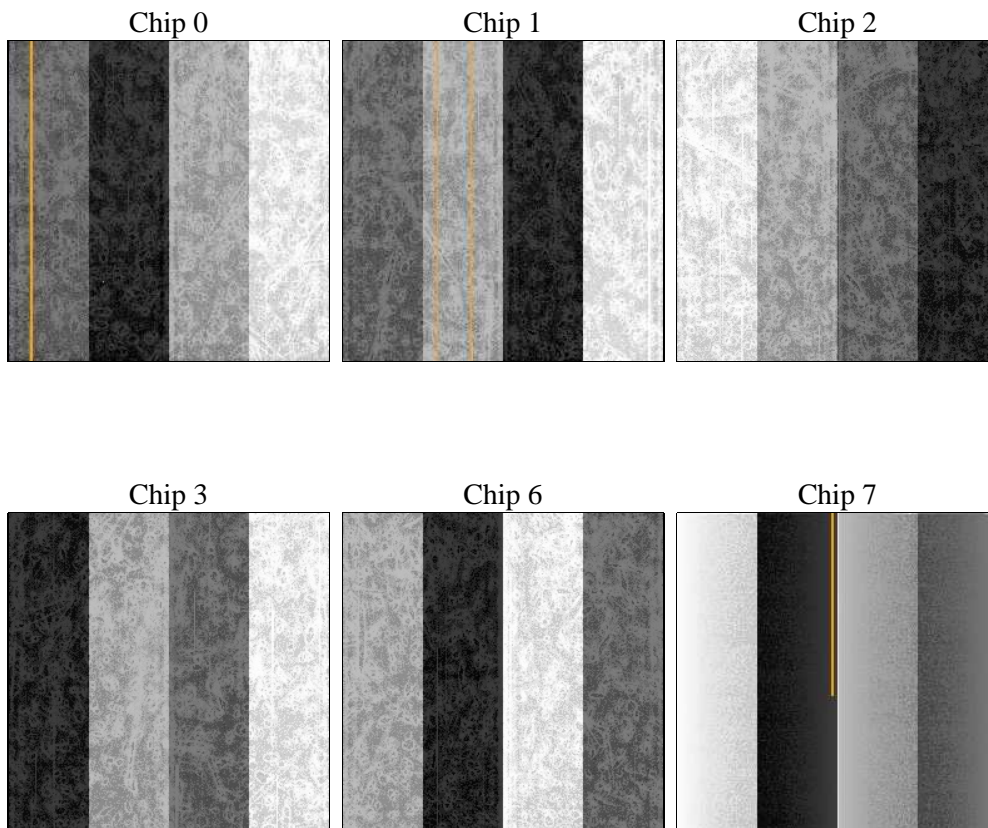
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	49123.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	49299.11783576	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	49305.599816382	Sum of GTIs [s]
date	2012-04-22T21:15:24	Date and time of file creation	ontime1	49305.599816382	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	49295.876885414	Sum of GTIs [s]
			ontime3	49299.11783576	Sum of GTIs [s]
			ontime6	49305.599816382	Sum of GTIs [s]
			ontime7	49305.599816382	Sum of GTIs [s]
			l1events	2370265	Number of level 1 events

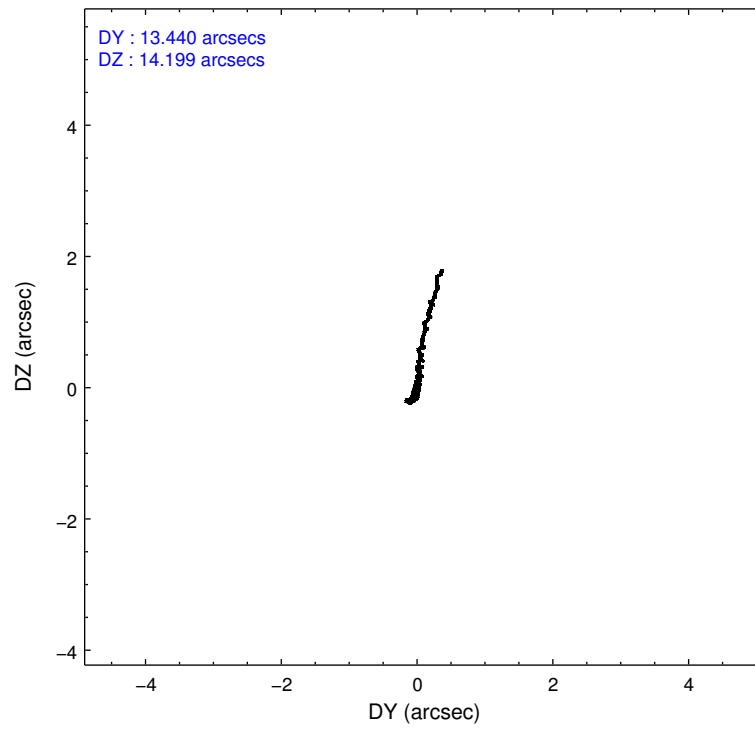
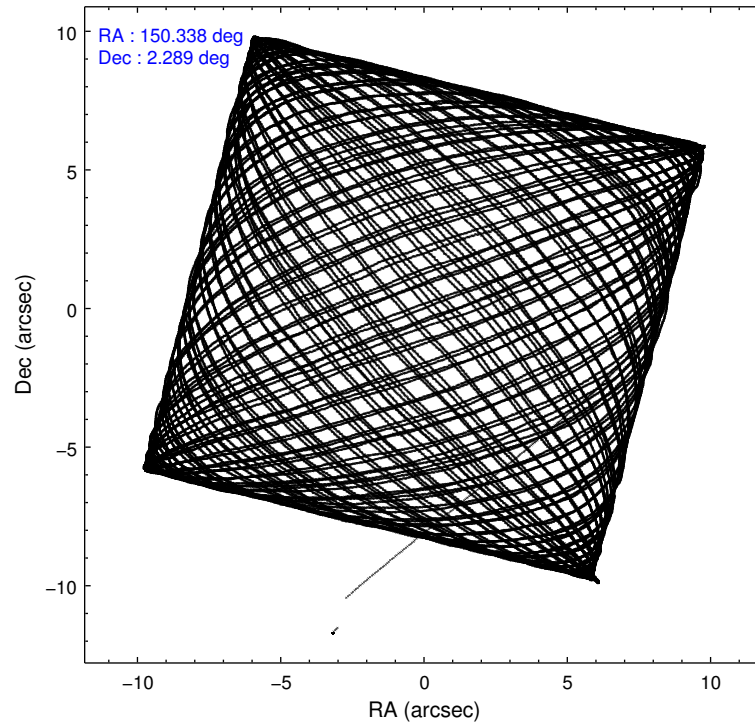
2.1.4 Events

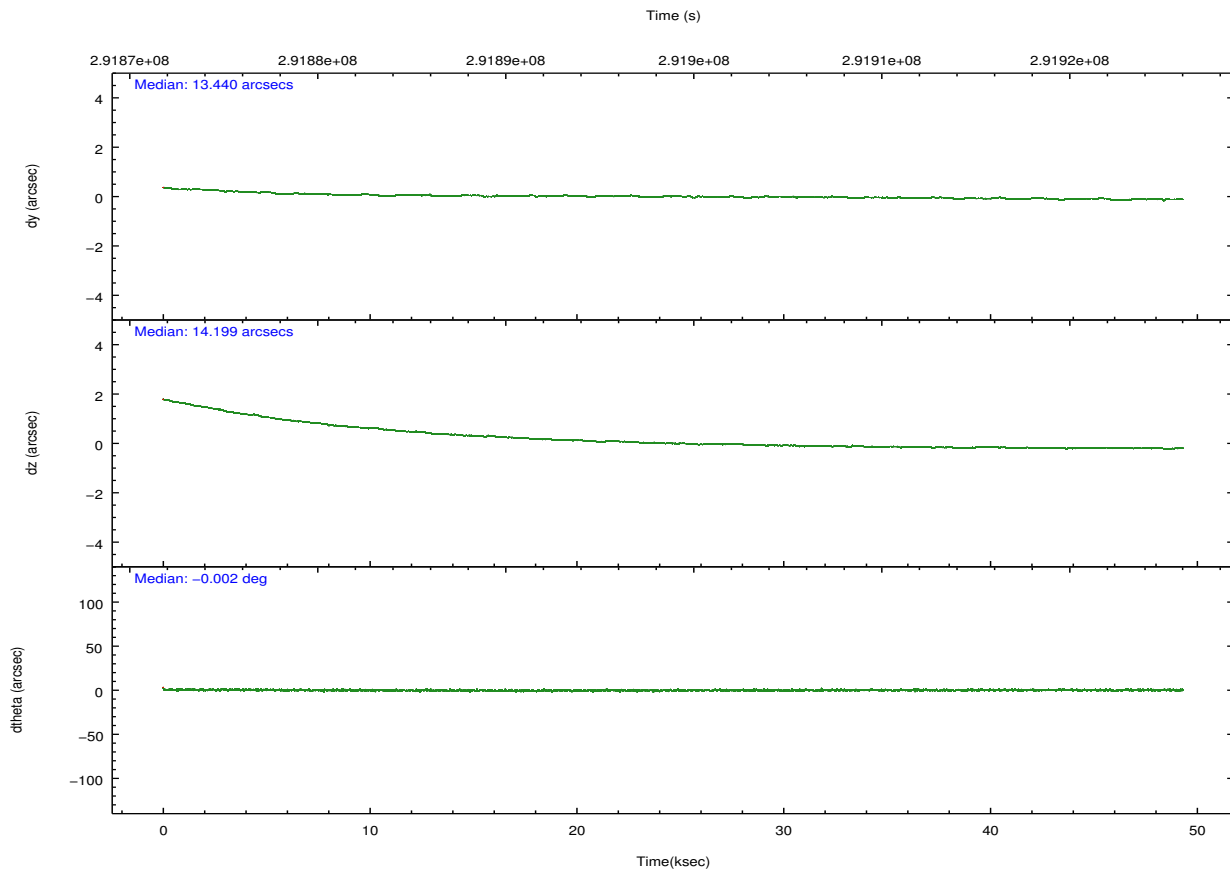
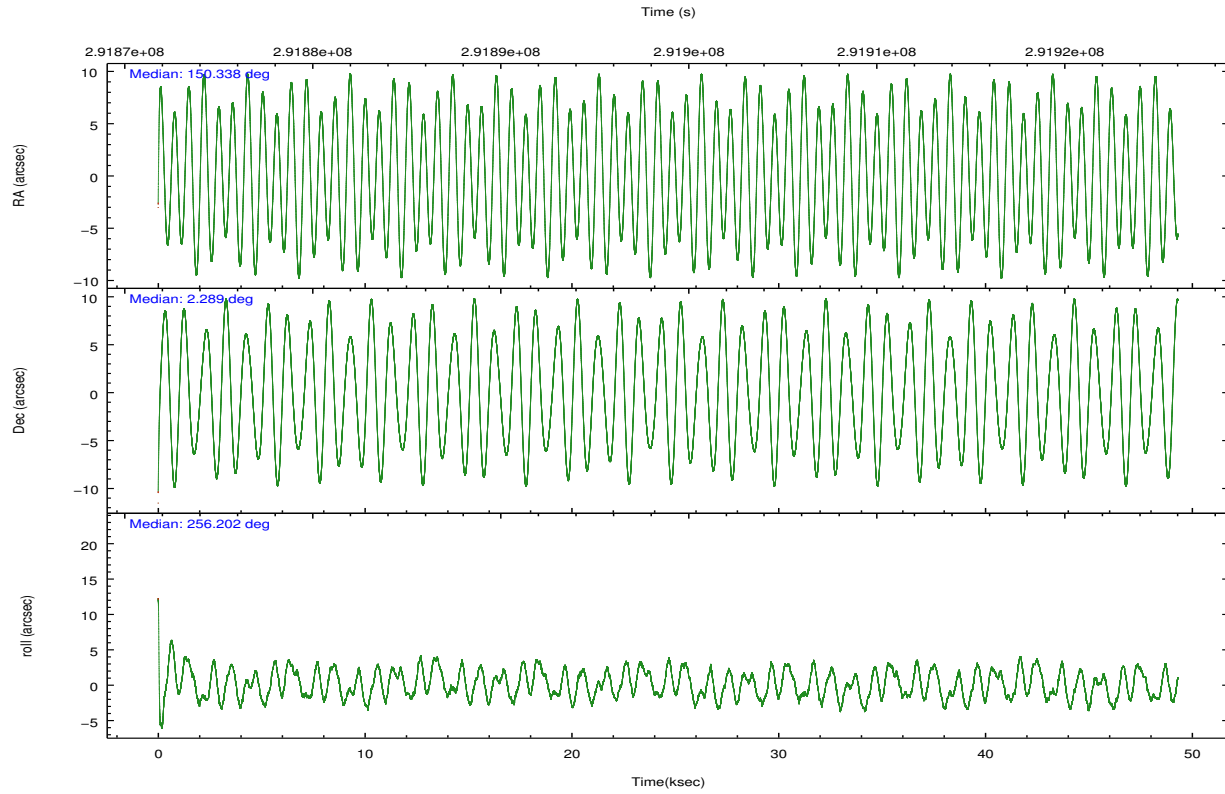
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	361414	364311	415237	386582	406765	435956	grade 0 events	13496	15643	13794	13111	13959	18482
rejected events	323932	322321	377913	351069	367437	242467		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	91%	90%	90%	55%	grade 1 events	196	211	201	224	205	558
								0%	0%	0%	0%	0%	0%
							grade 2 events	9112	9570	9349	7796	8869	40038
								2%	2%	2%	2%	2%	9%
							grade 3 events	4485	4716	4116	4231	4523	18559
								1%	1%	0%	1%	1%	4%
							grade 4 events	4021	4591	4172	4012	4294	18416
								1%	1%	1%	1%	1%	4%
							grade 5 events	13396	14662	12953	15619	16222	46159
								3%	4%	3%	4%	3%	10%
							grade 6 events	7450	8685	7028	7385	8780	103714
								2%	2%	1%	1%	2%	23%
							grade 7 events	309258	306233	363624	334204	349913	190030
								85%	84%	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	150.330351	150.3381383883206	CCD I2 on	Y	Y
[deg] Pointing Dec	2.315401	2.289032181824278	CCD I3 on	Y	Y
[deg] Pointing Roll	256.000293	256.2086735211655	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)	291874418.184000	291872627.62913	CCD S5 on	N	N
Observation start date	2007-04-02T04:12:33	2007-04-02T03:43:47	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	291923541.184000	291923683.90656	On-chip summing requested	N	N
Observation end date	2007-04-02T17:51:16	2007-04-02T17:54:43	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



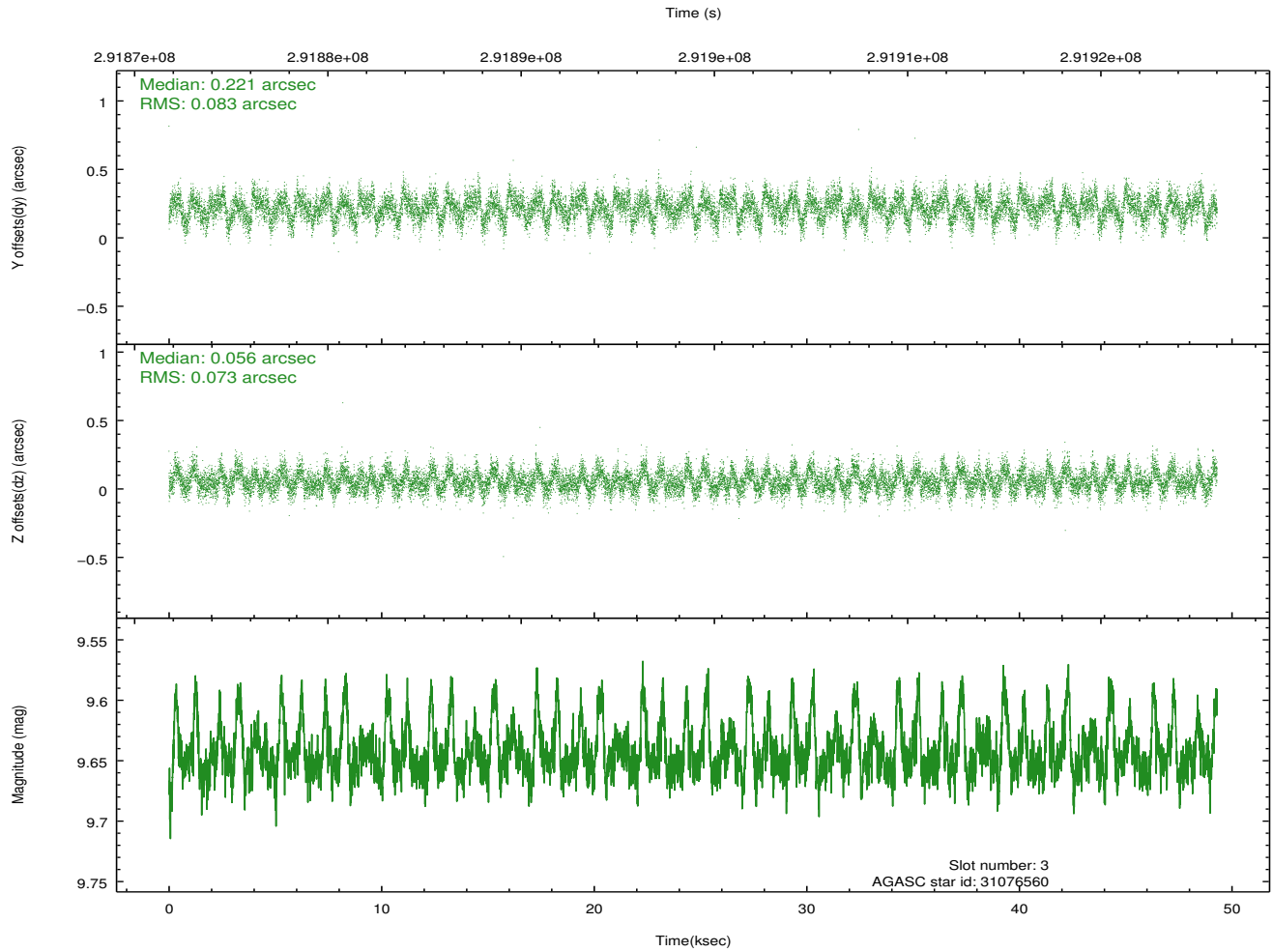
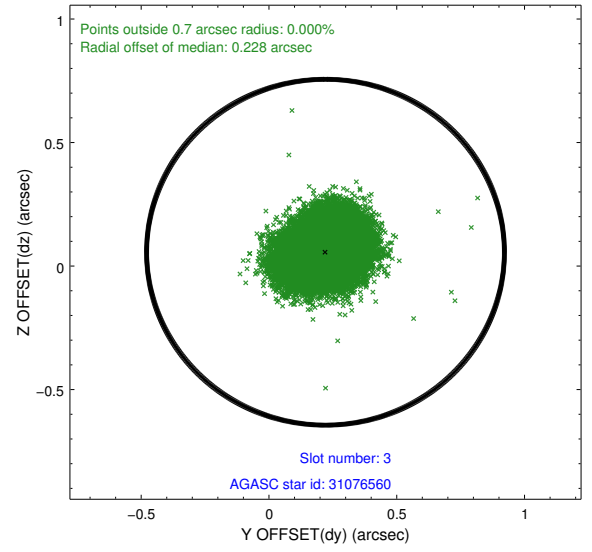
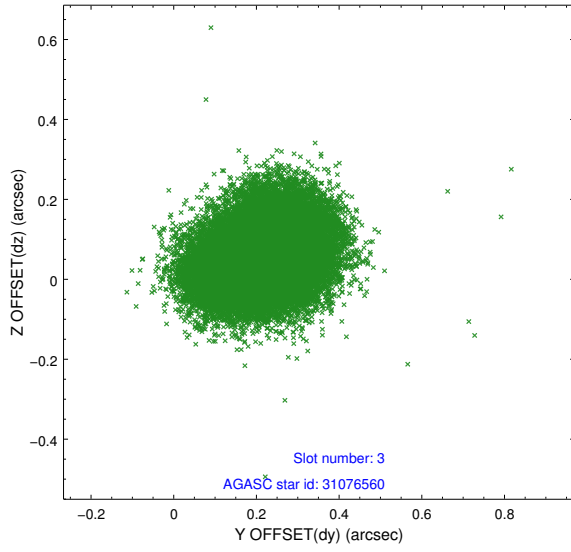


Slot Statistics

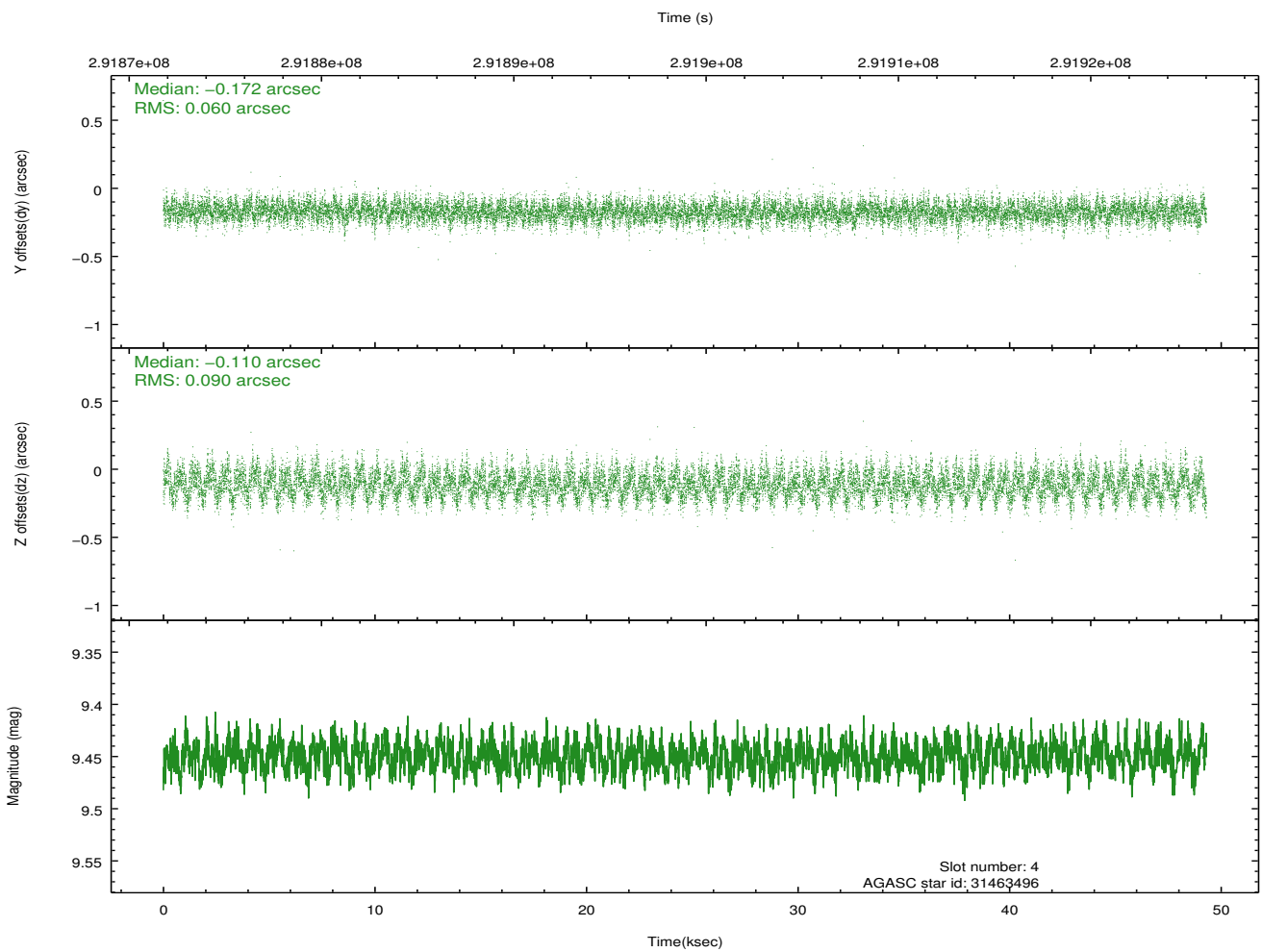
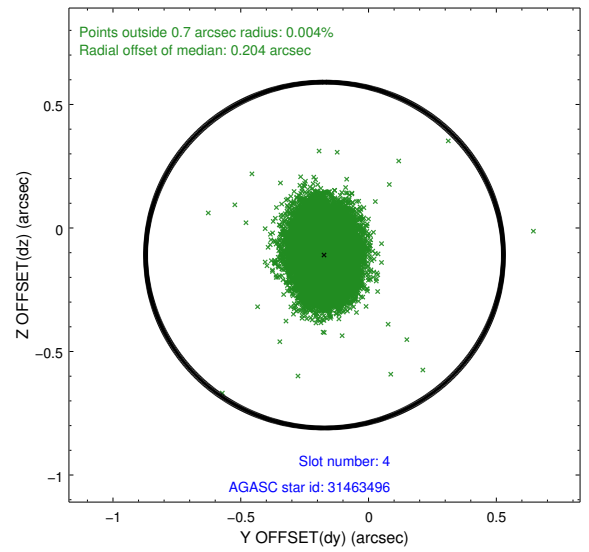
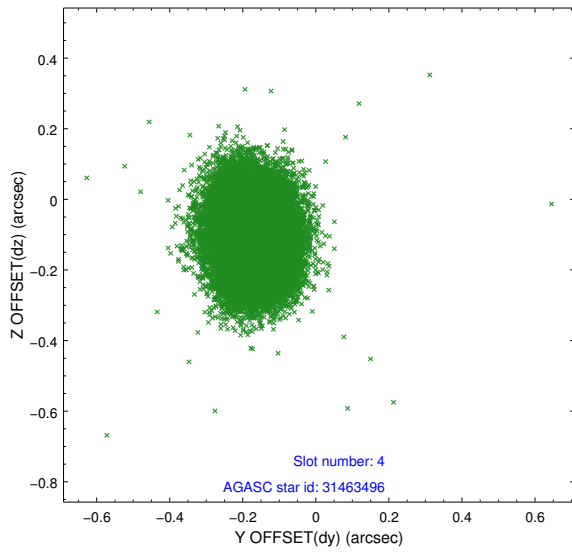
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	12027	-0.019	0.017	0.014	0.079	0.000000	0.000000	926.03	-838.00
1	FID	ACIS-I-4	7.17	12021	0.196	0.022	0.013	0.053	0.000000	0.000000	2146.28	1061.83
2	FID	ACIS-I-5	7.22	12026	-0.275	0.032	0.011	0.031	0.000000	0.000000	-1822.24	1059.67
3	GUIDE	31076560	9.65	24018	0.221	0.056	0.119	0.188	149.884782	2.009277	1457.74	-1288.47
4	GUIDE	31463496	9.45	24011	-0.172	-0.110	0.115	0.185	149.845020	2.964001	-1843.51	-2258.39
5	GUIDE	31986152	9.01	24041	0.035	0.208	0.113	0.177	150.840314	2.057585	456.54	2004.56
6	GUIDE	32374896	9.21	24031	-0.097	0.030	0.107	0.167	150.682269	2.512794	-995.69	1056.29
7	GUIDE	31983224	9.43	24023	0.015	-0.190	0.139	0.212	150.543757	1.869948	1370.27	1133.06

2.4 Star Slots

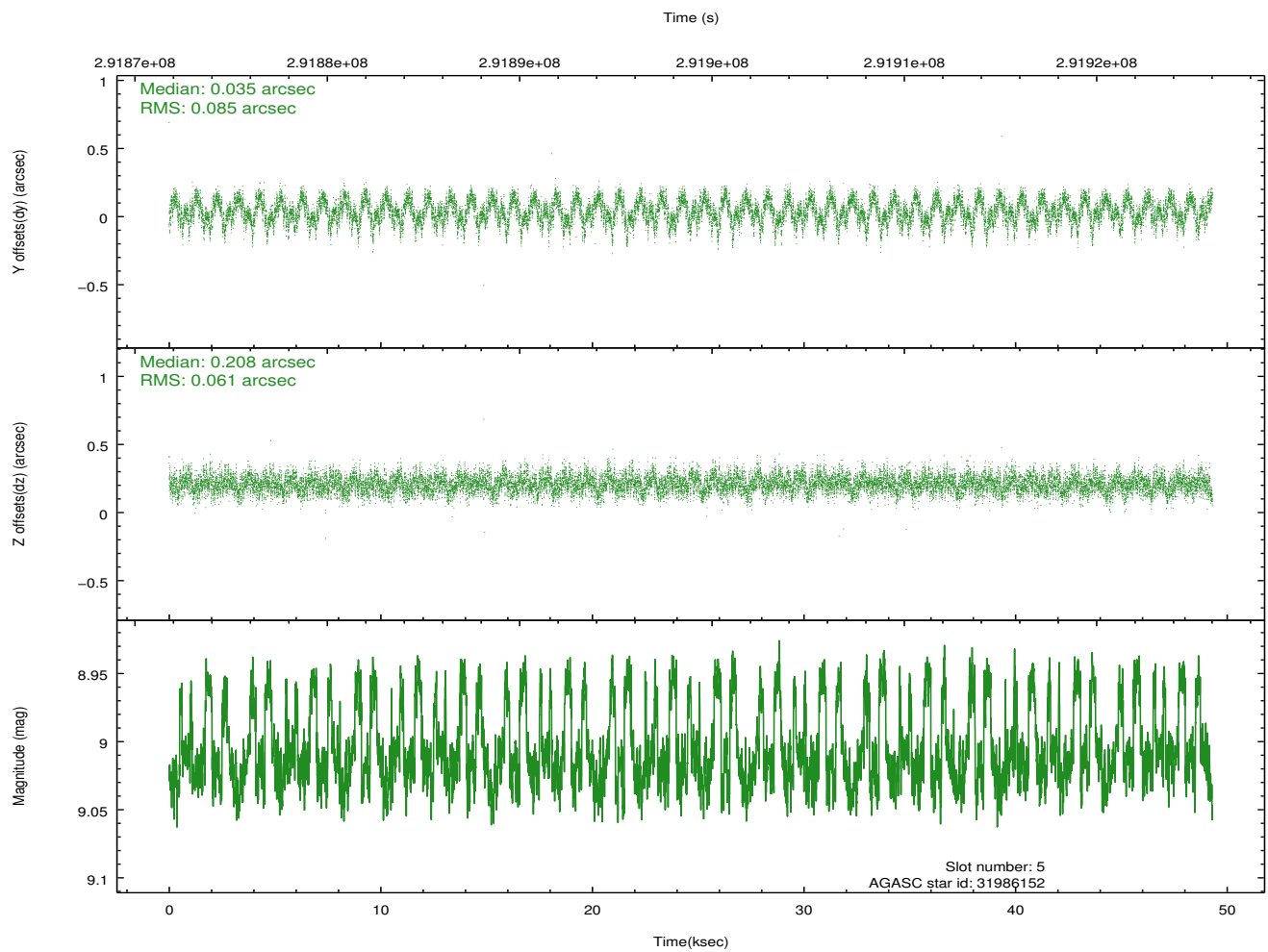
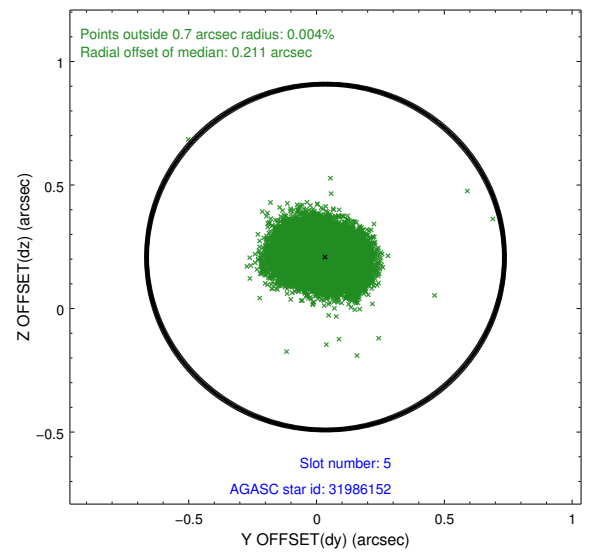
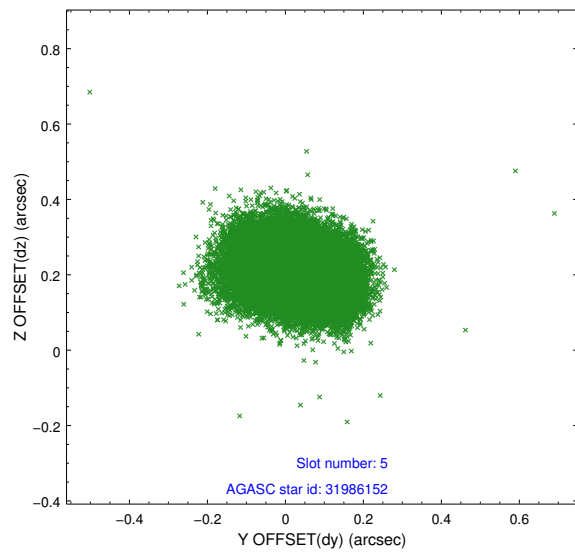
2.4.1 Slot 3



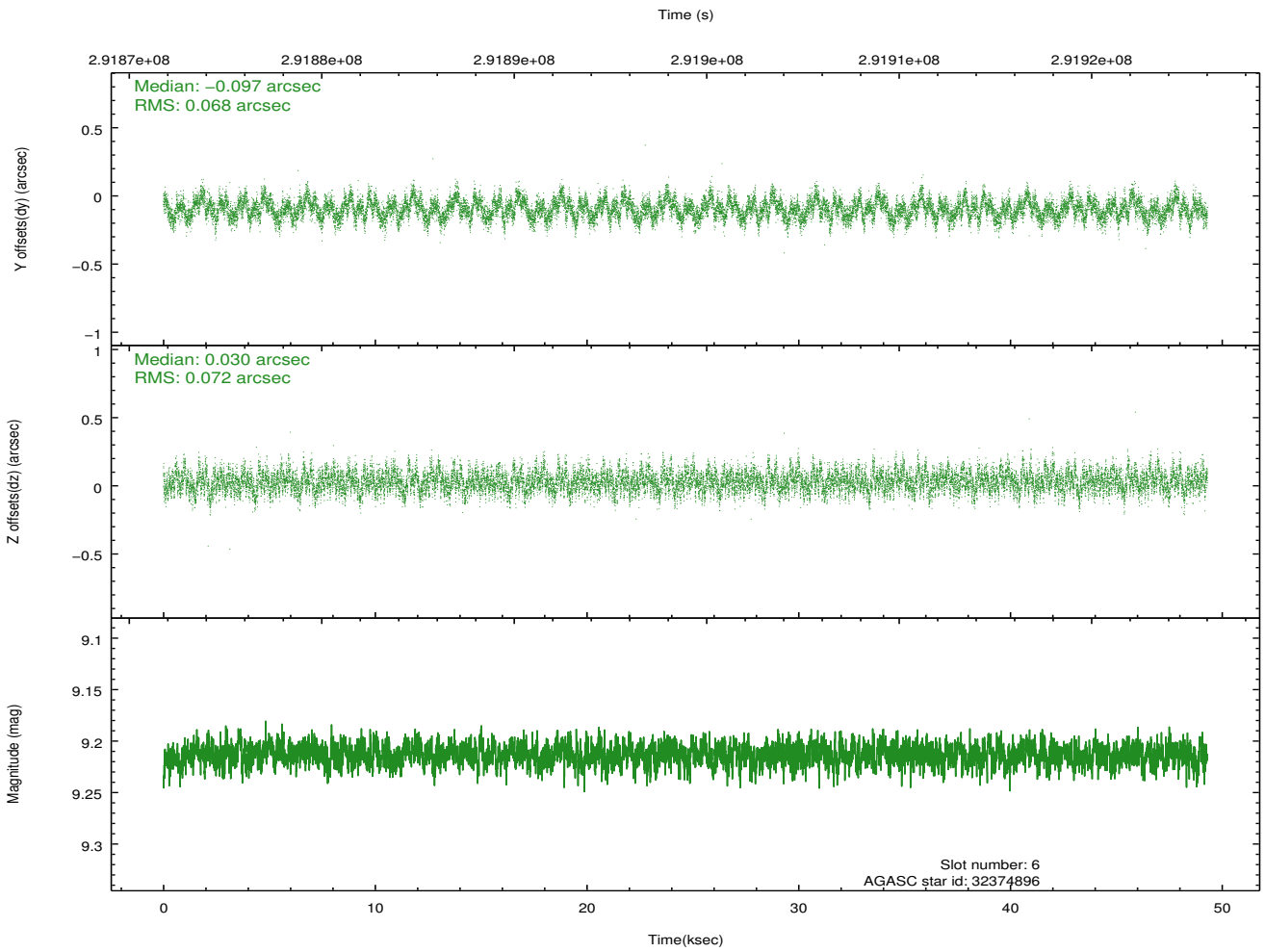
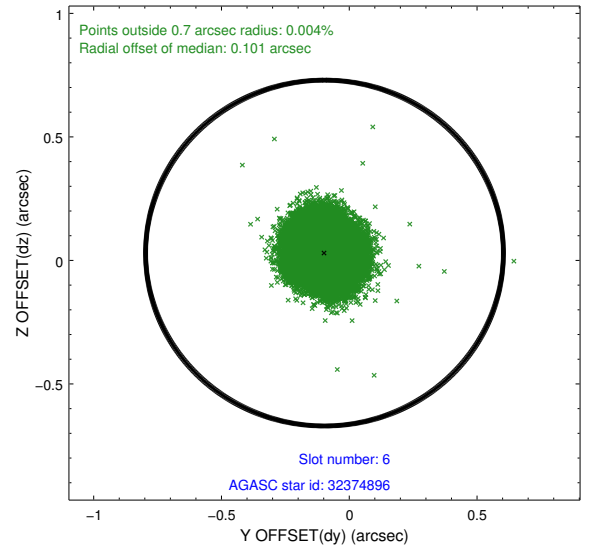
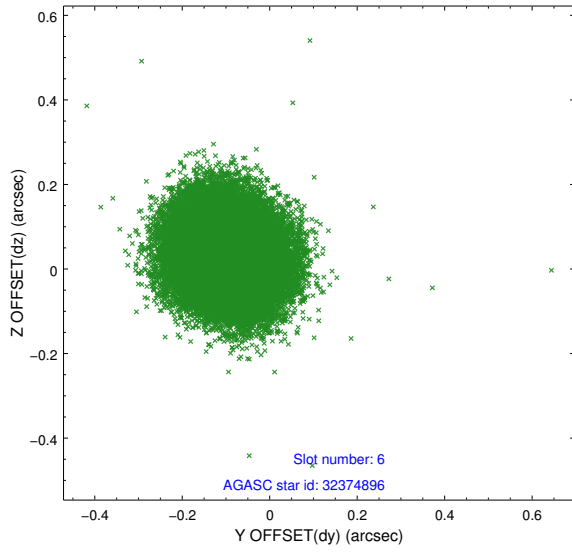
2.4.2 Slot 4



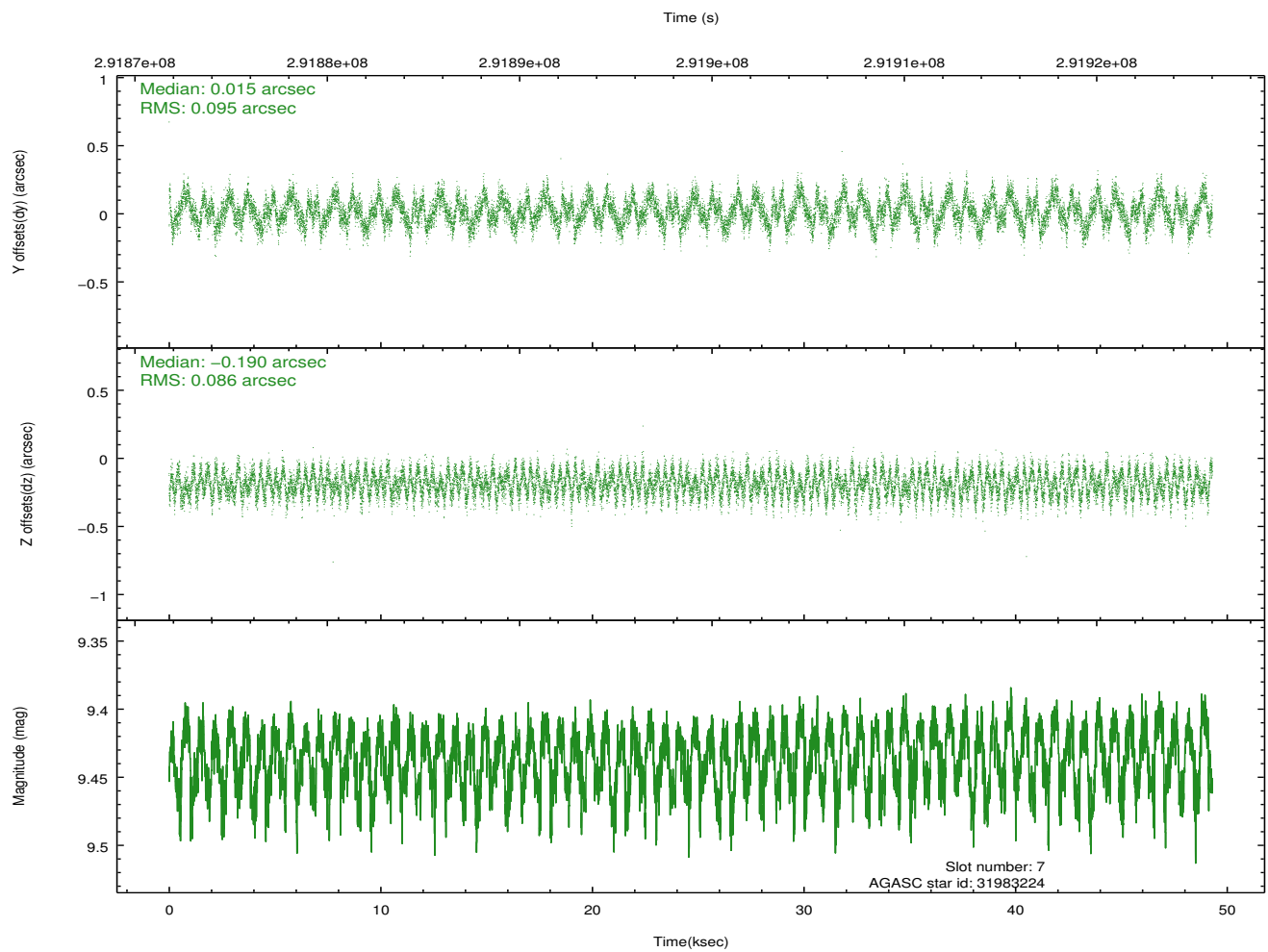
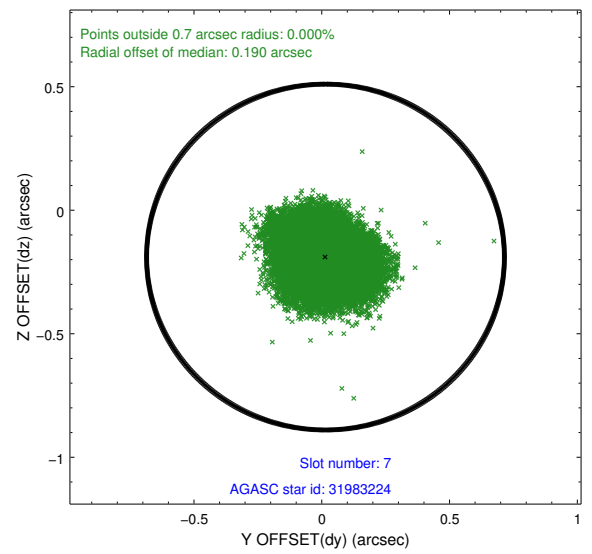
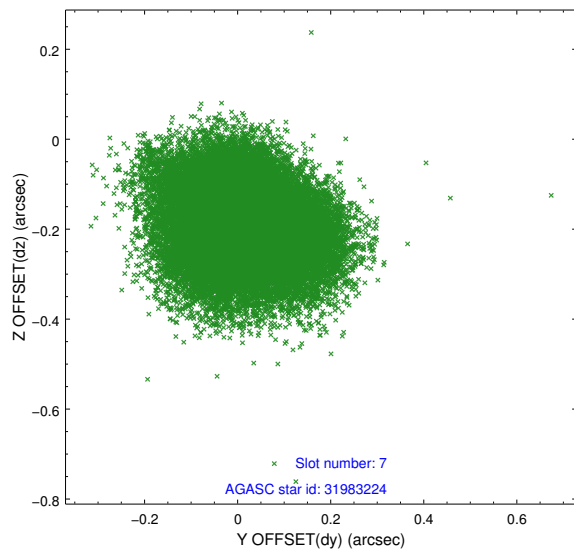
2.4.3 Slot 5



2.4.4 Slot 6

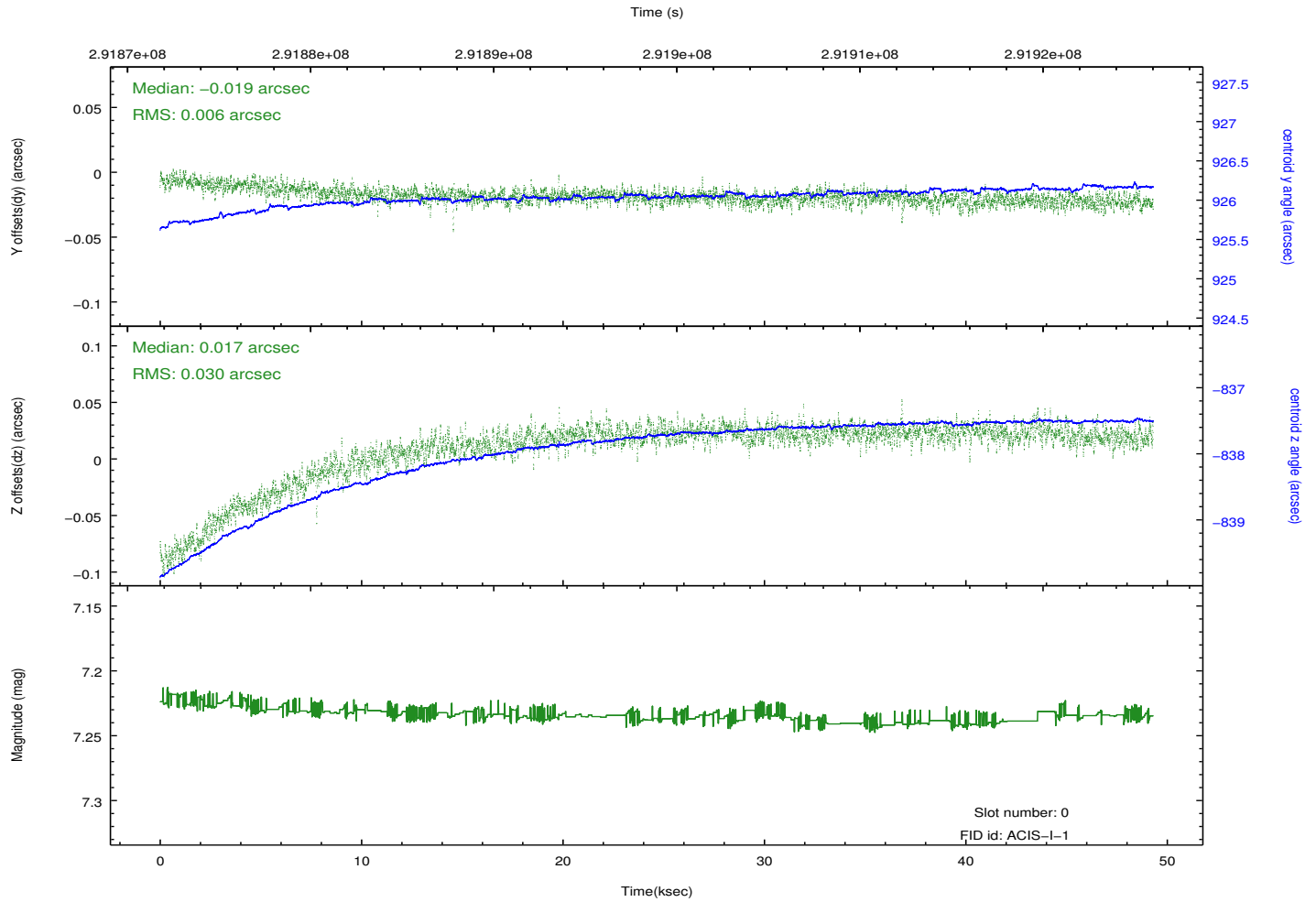
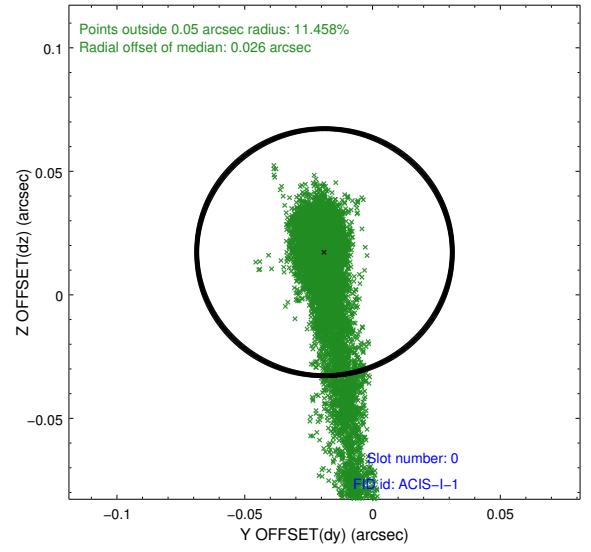
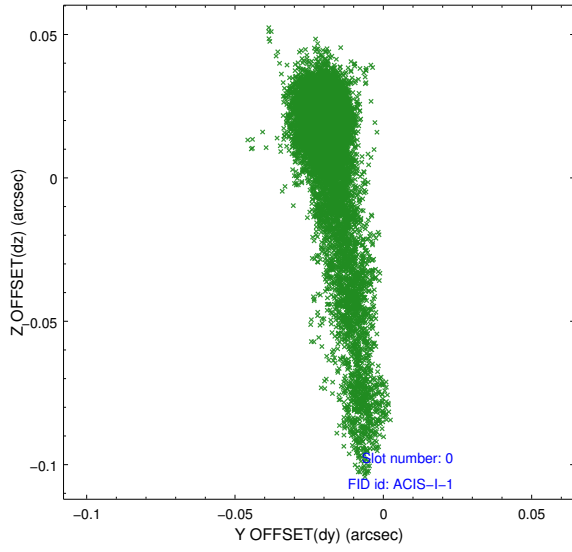


2.4.5 Slot 7

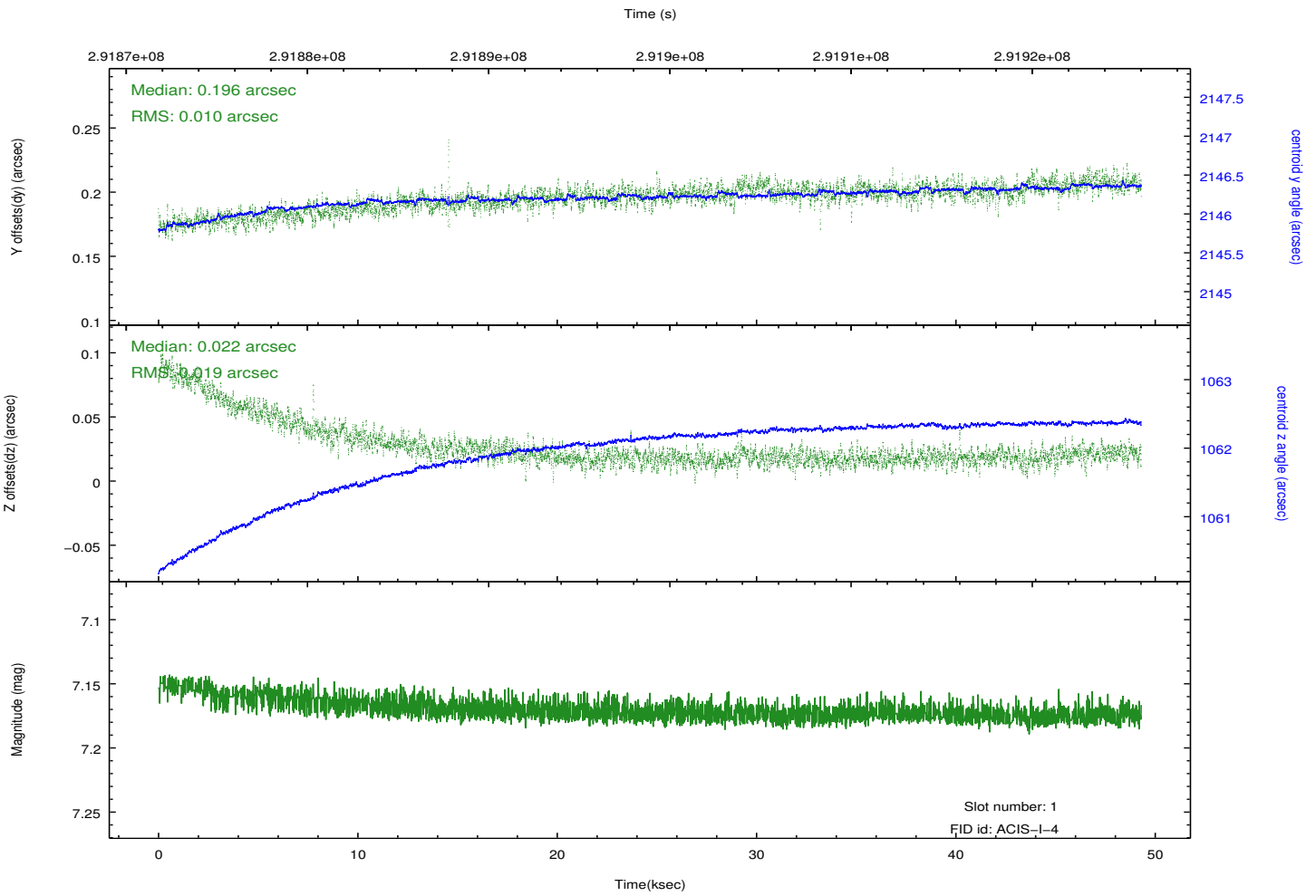
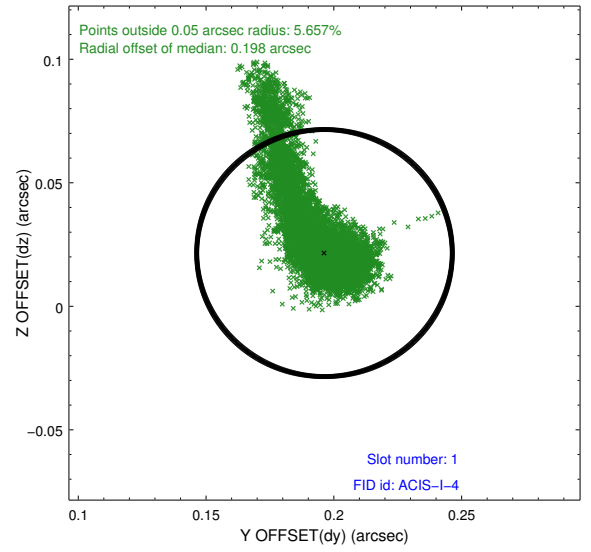
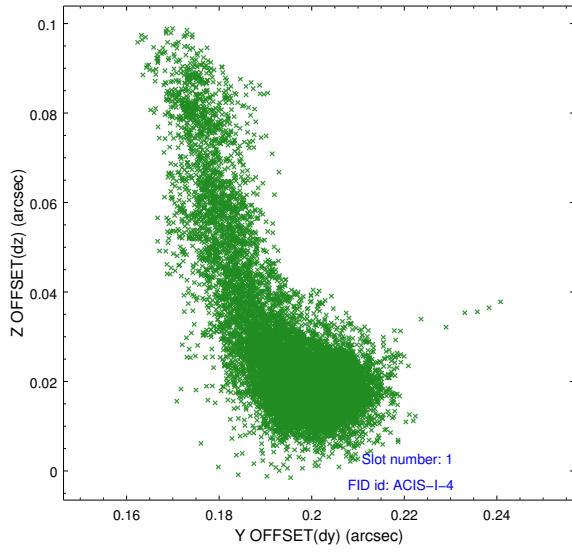


2.5 FID Slots

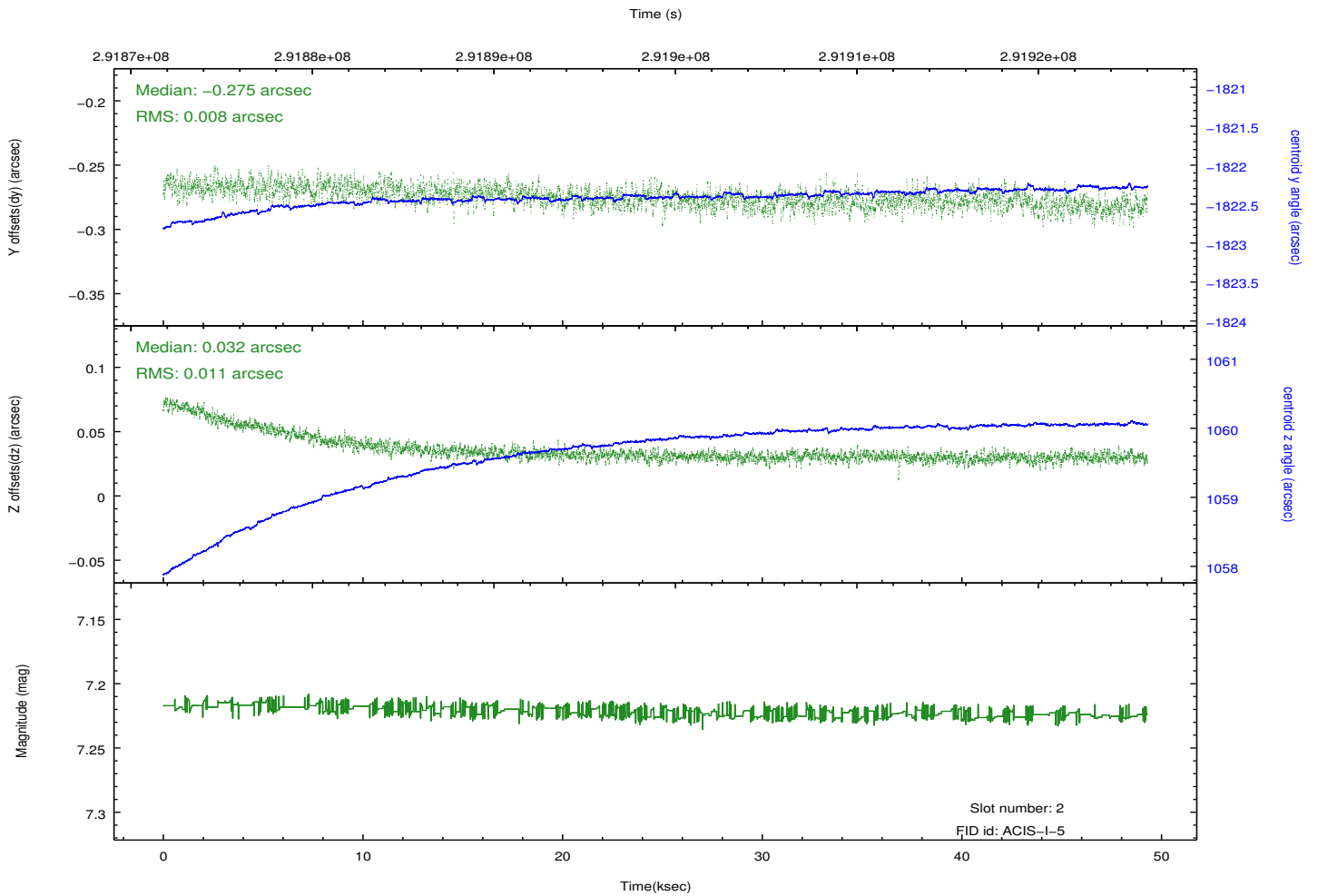
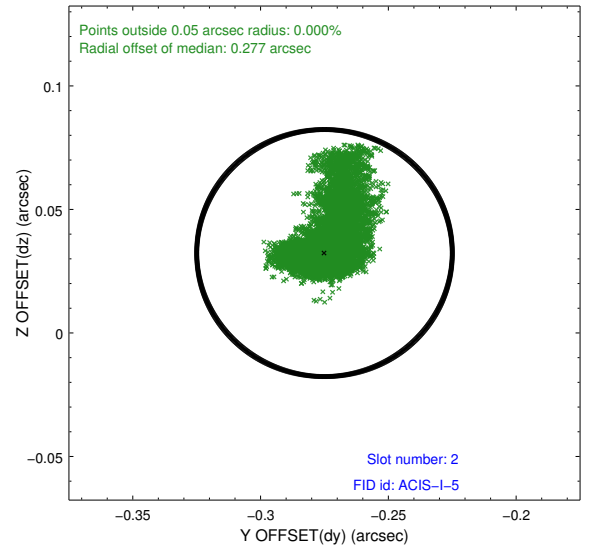
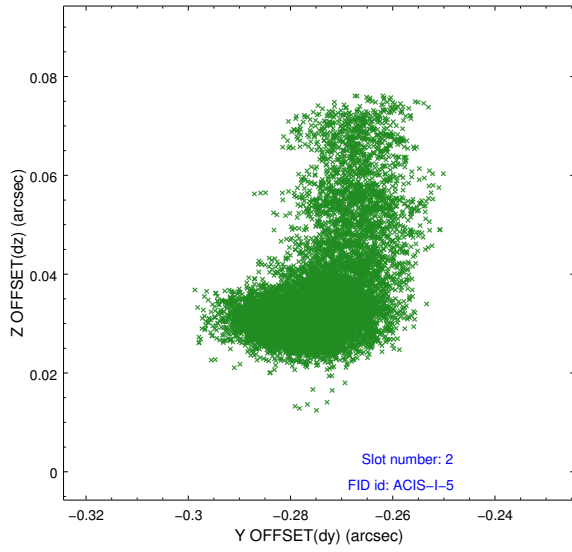
2.5.1 Slot 0



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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.2991178

A.2 Comments