

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7998 - L2 Version 3
Chandra X-Ray Center

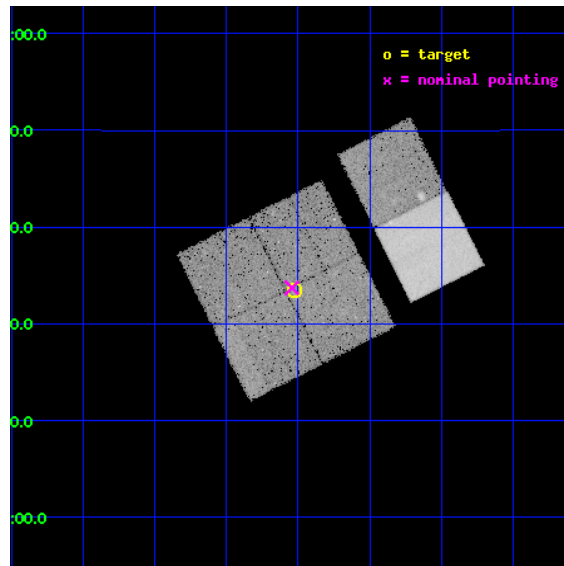
L2 Processing Date : Apr 18 2012

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1 Front

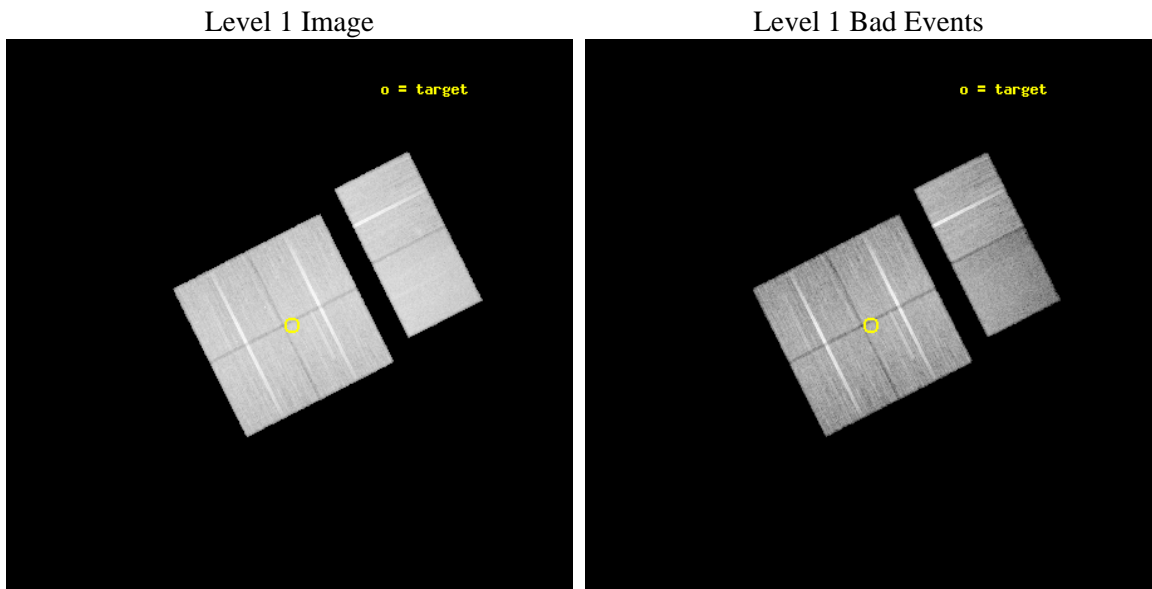
seq_num	900542	Sequence number
obs_id	7998	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS1-5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.007442	Observer's specified target RA [deg]
dec_targ	2.559042	Observer's specified target Dec [deg]
ra_nom	150.0109762456	Nominal RA [deg]
dec_nom	2.5621682833317	Nominal Dec [deg]
roll_nom	63.208530546369	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27996.758875549	Sum of GTIs [s]
livetime	27642.247057042	Livetime [s]
ontime0	27999.999895751	Sum of GTIs [s]
ontime1	27996.758885443	Sum of GTIs [s]
ontime2	27996.758895457	Sum of GTIs [s]
ontime3	27996.758875549	Sum of GTIs [s]
ontime6	27996.758885443	Sum of GTIs [s]
ontime7	27999.999895751	Sum of GTIs [s]
l2events	193328	Number of level 2 events



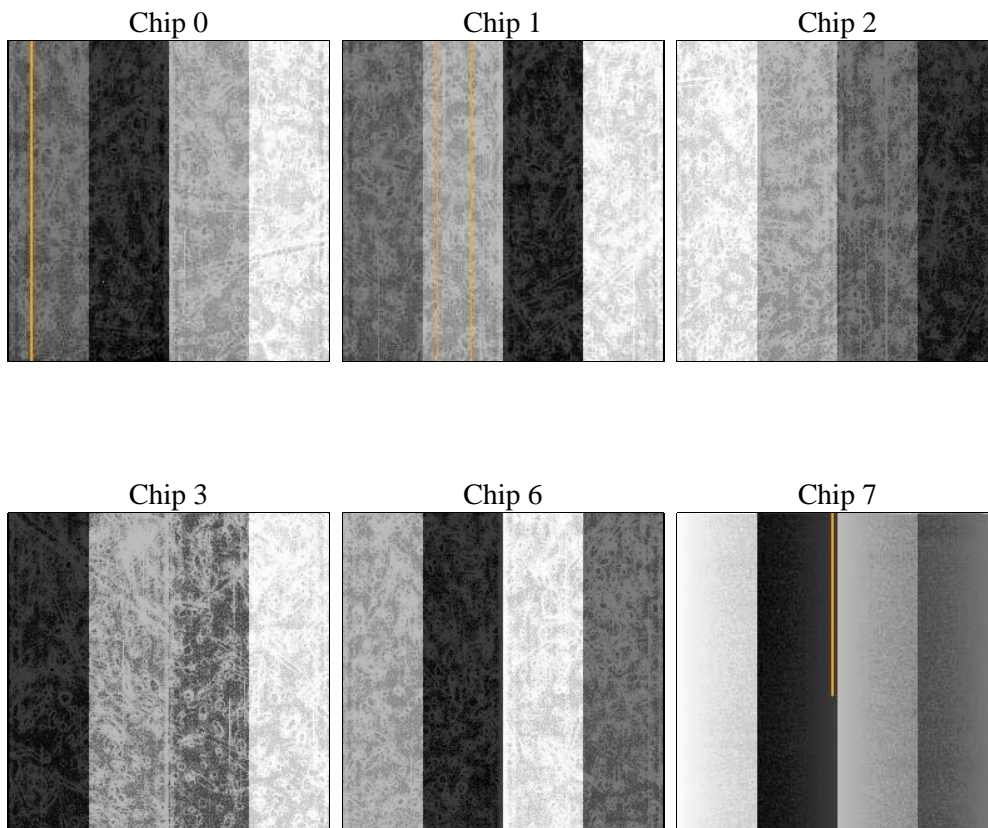
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	27955.045000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	27996.758875549	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	27999.999895751	Sum of GTIs [s]
date	2012-04-18T12:58:49	Date and time of file creation	ontime1	27996.758885443	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	27996.758895457	Sum of GTIs [s]
			ontime3	27996.758875549	Sum of GTIs [s]
			ontime6	27996.758885443	Sum of GTIs [s]
			ontime7	27999.999895751	Sum of GTIs [s]
			l1events	1311339	Number of level 1 events

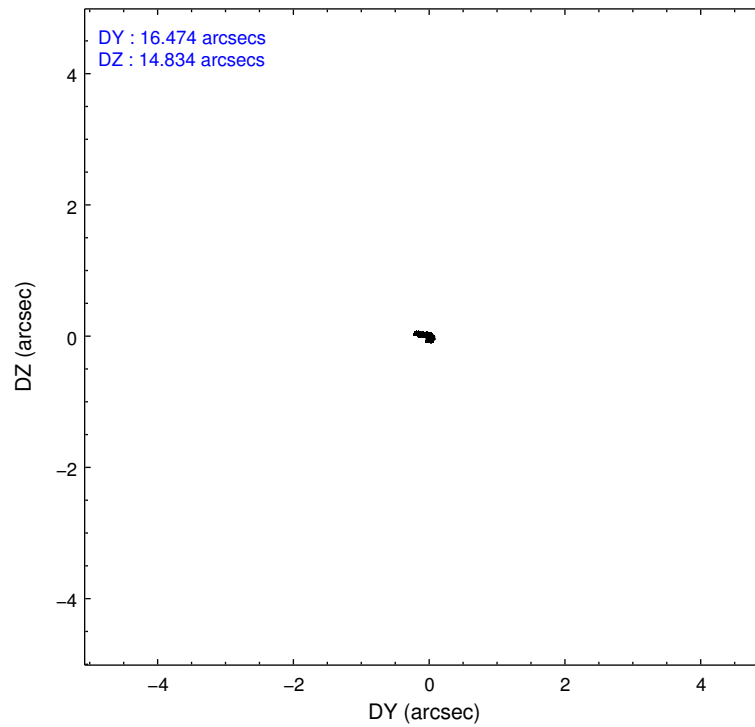
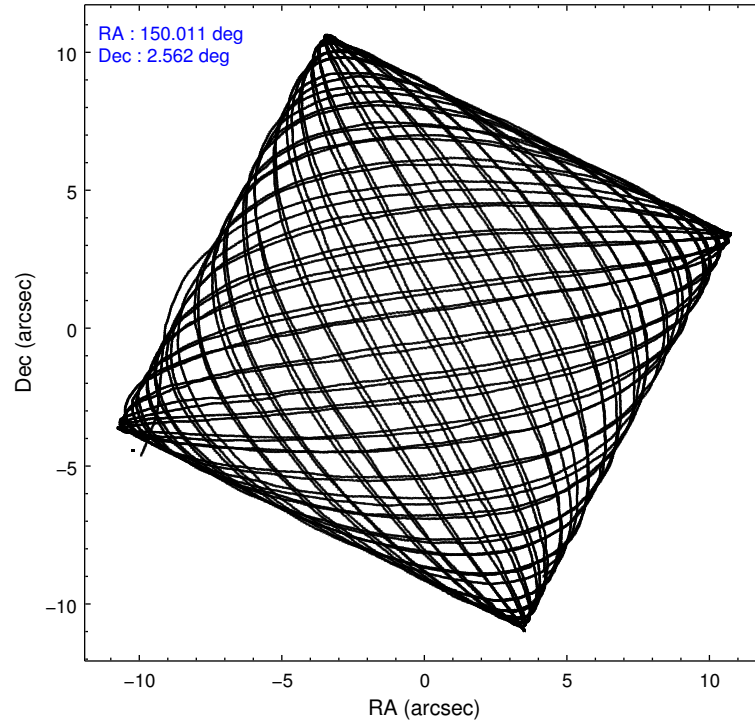
2.1.4 Events

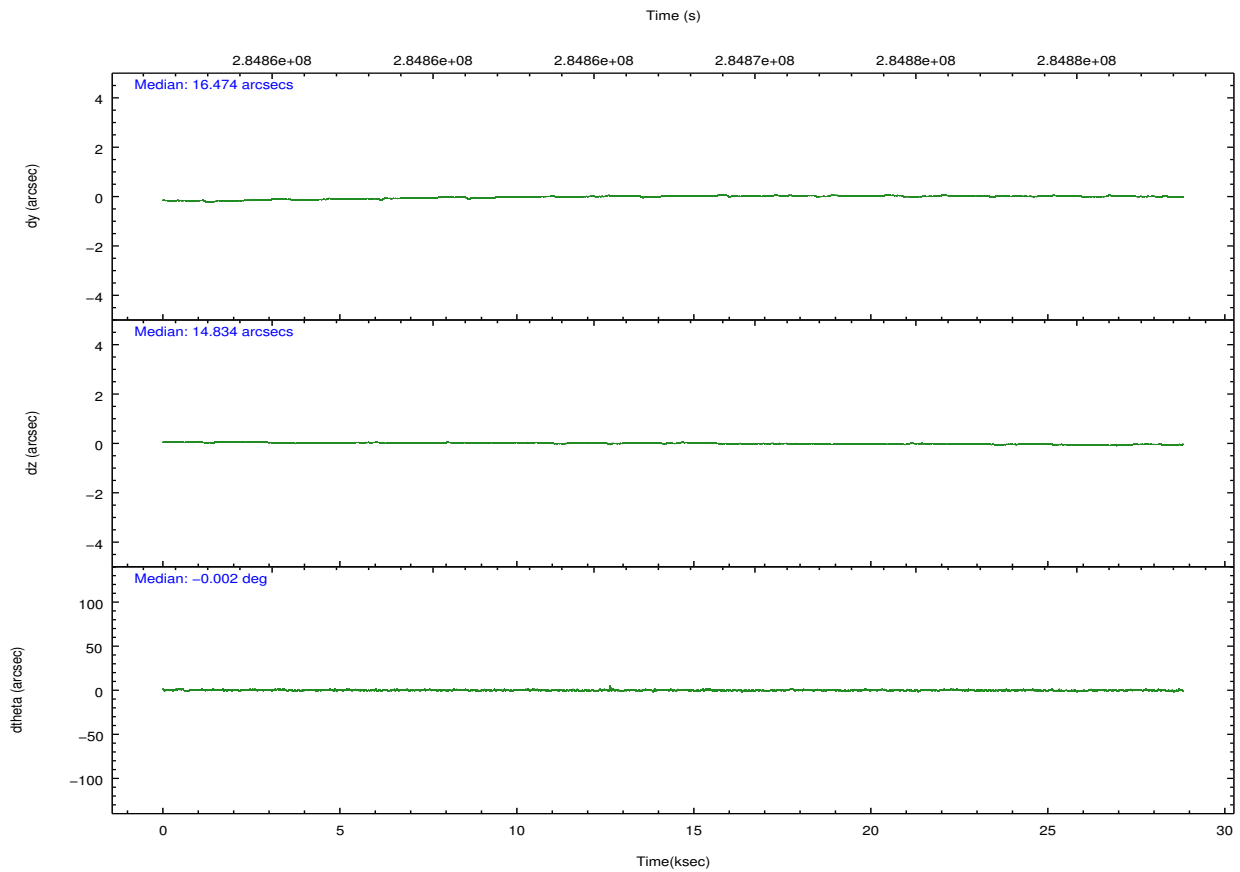
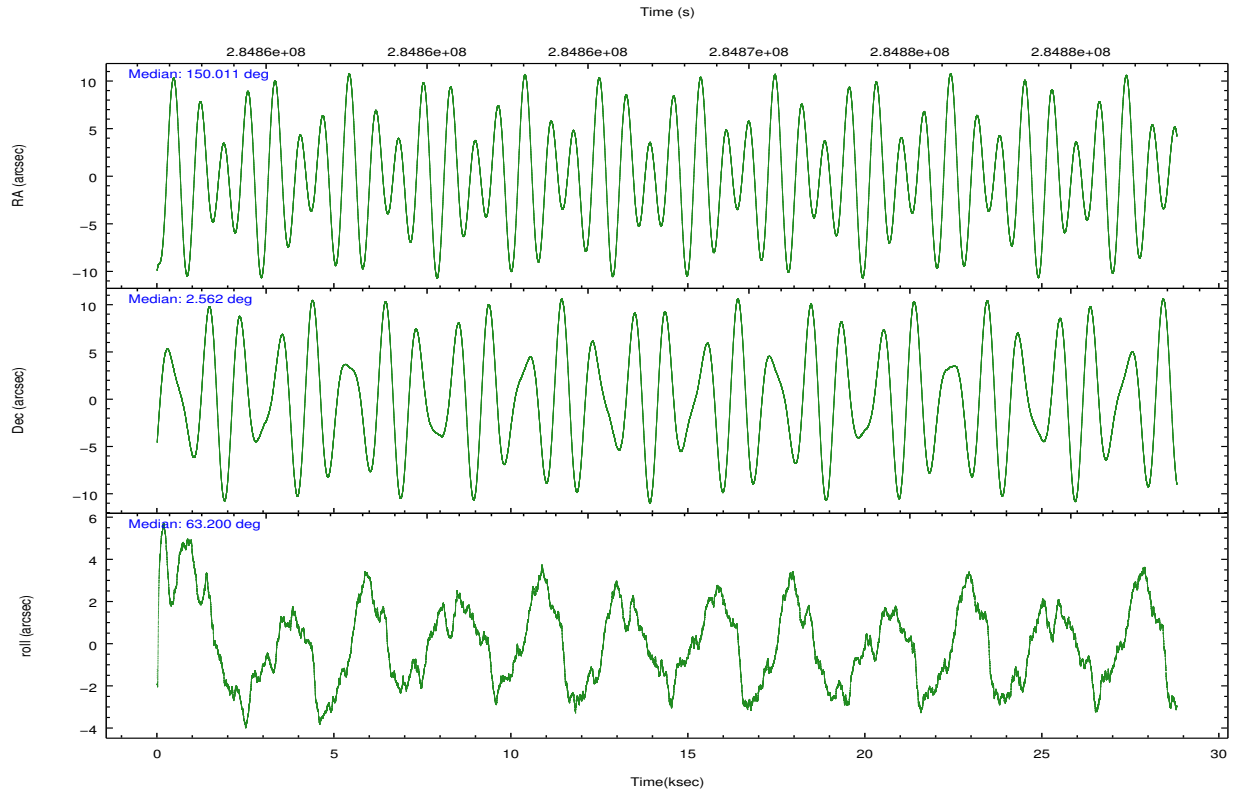
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	206919	199412	226336	216804	224451	237417	grade 0 events	7404	8337	7348	7235	7991	10037
rejected events	186075	176106	206056	196729	202020	130122		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	91%	90%	90%	54%	grade 1 events	88	117	126	138	97	324
								0%	0%	0%	0%	0%	0%
							grade 2 events	4845	5110	4573	4264	4878	21432
								2%	2%	2%	1%	2%	9%
							grade 3 events	2391	2619	2169	2280	2322	9771
								1%	1%	0%	1%	1%	4%
							grade 4 events	2241	2505	2343	2306	2463	9675
								1%	1%	1%	1%	1%	4%
							grade 5 events	7055	7978	6918	8559	8667	24433
								3%	4%	3%	3%	3%	10%
							grade 6 events	3967	4739	3855	3996	4782	56405
								1%	2%	1%	1%	2%	23%
							grade 7 events	178928	168007	199004	188026	193251	105340
								86%	84%	87%	86%	86%	44%

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	150.012630	150.0109762456022	CCD I2 on	Y	Y
[deg] Pointing Dec	2.534702	2.562168283331729	CCD I3 on	Y	Y
[deg] Pointing Roll	62.999766	63.20853054636915	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)	284853917.184000	284852576.54563	CCD S5 on	N	N
Observation start date	2007-01-10T22:04:12	2007-01-10T21:42:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	284881872.184000	284882106.28453	On-chip summing requested	N	N
Observation end date	2007-01-11T05:50:07	2007-01-11T05:55:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



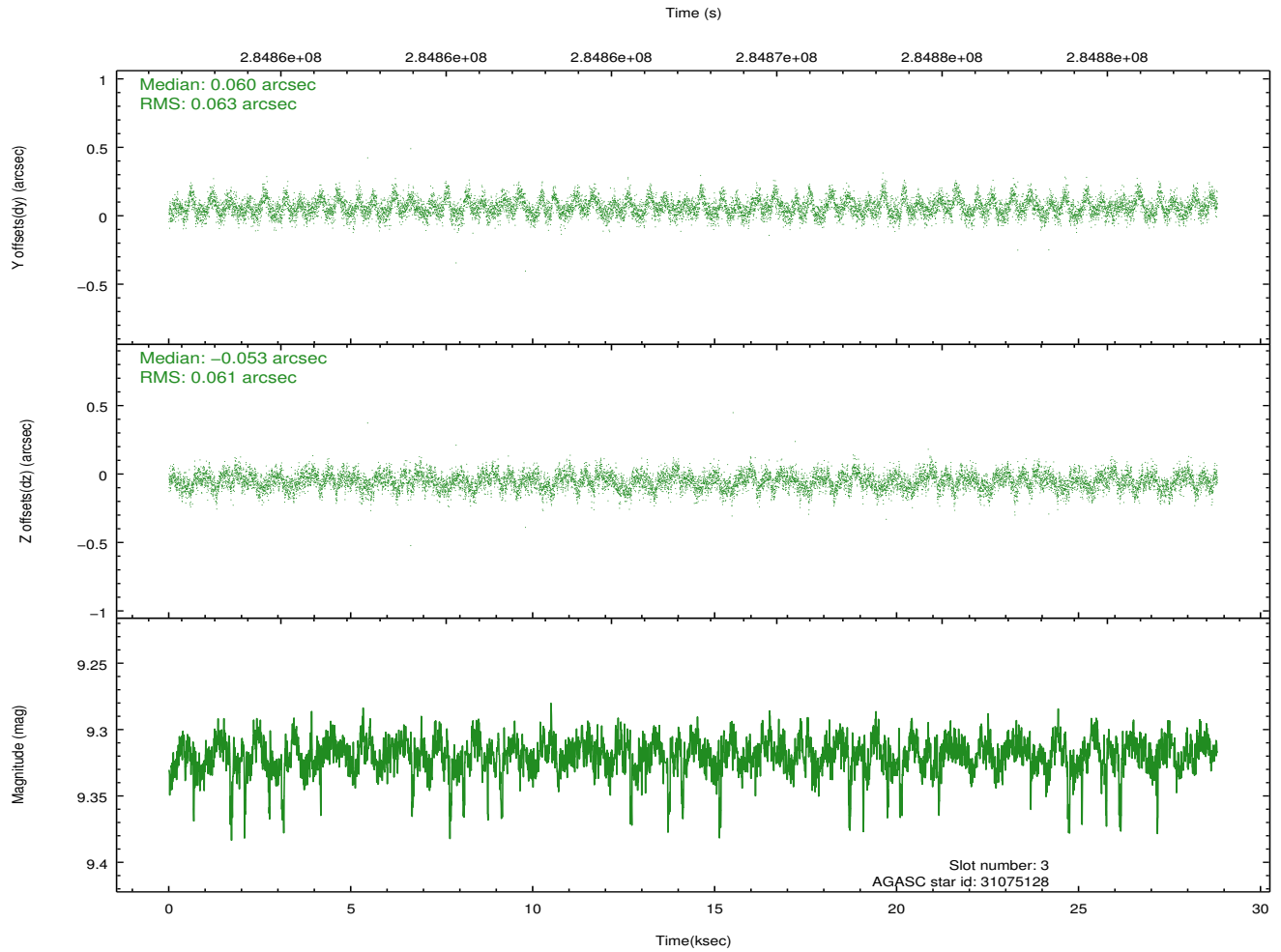
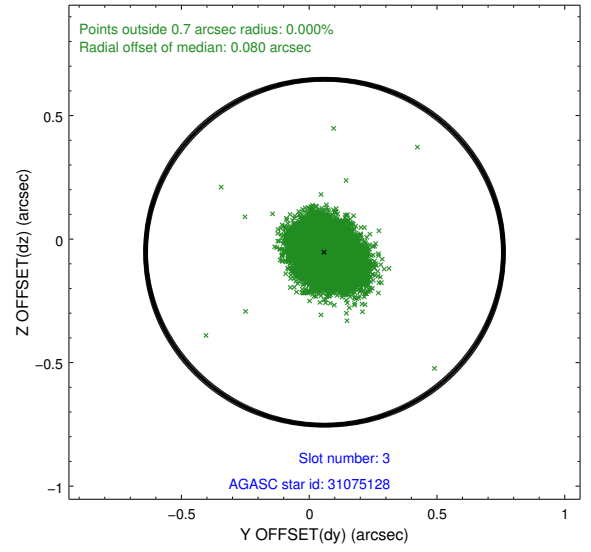
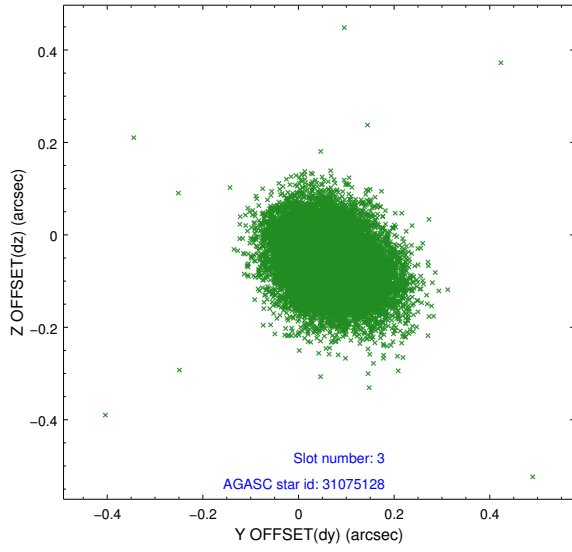


Slot Statistics

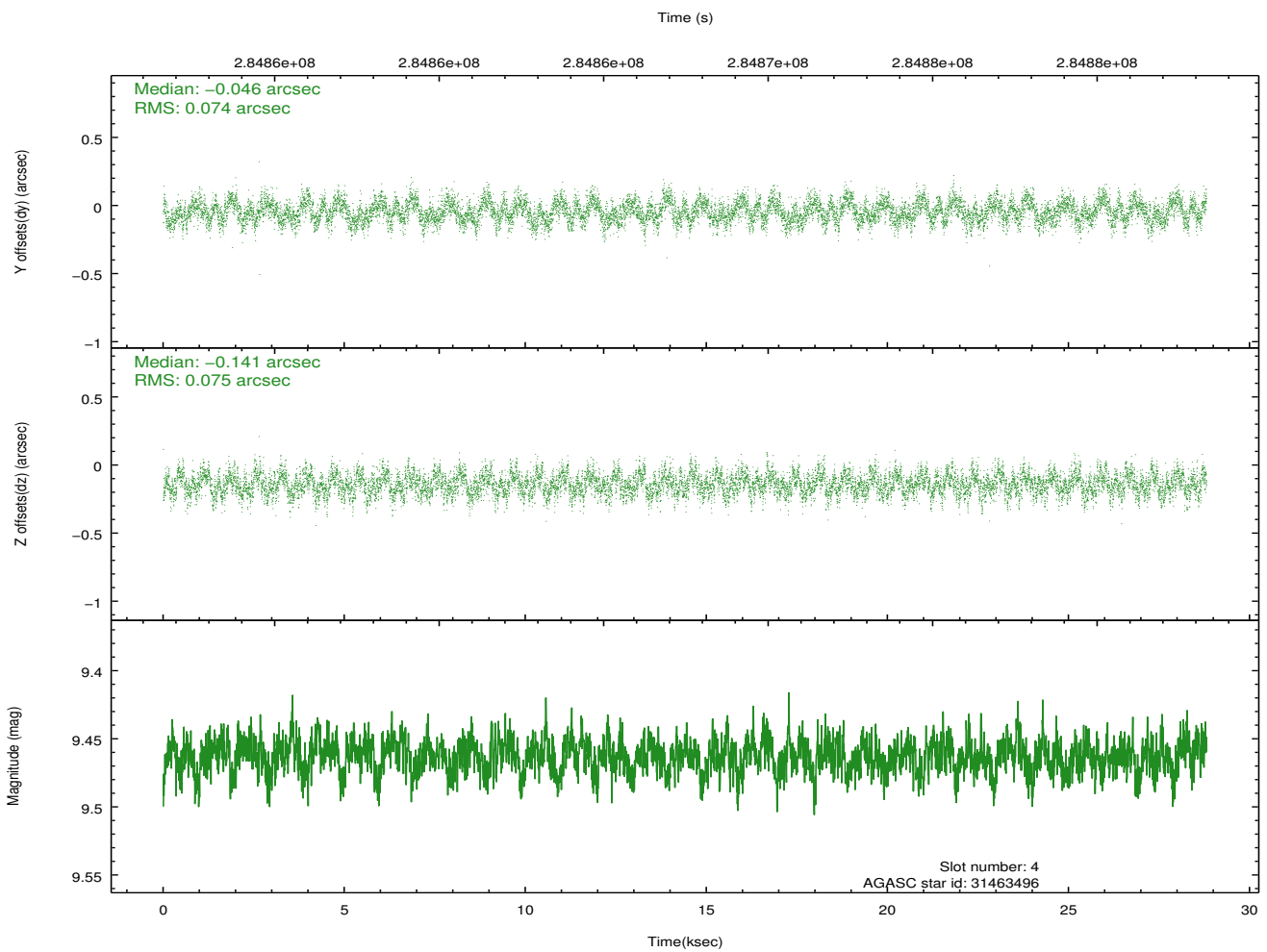
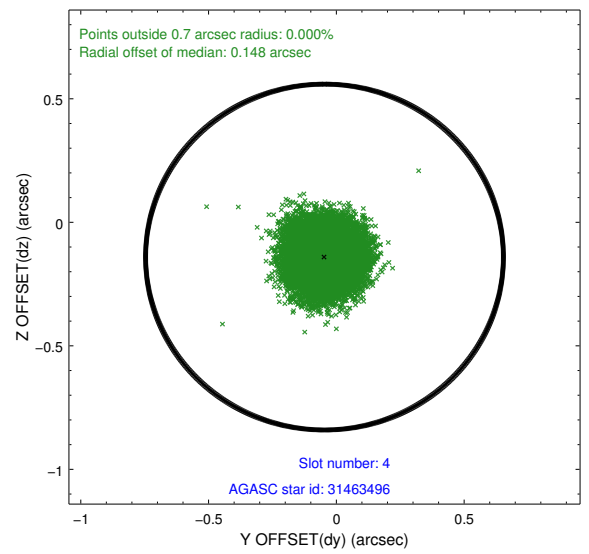
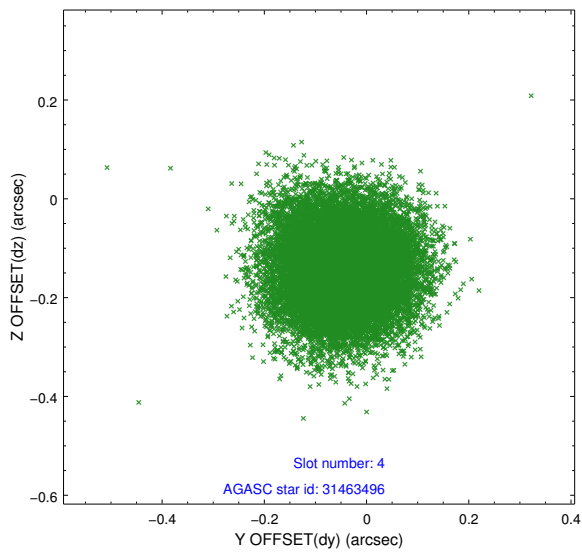
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	7026	-0.016	-0.003	0.009	0.015	0.000000	0.000000	922.96	-838.42
1	FID	ACIS-I-4	7.18	7026	0.197	0.033	0.008	0.013	0.000000	0.000000	2143.26	1061.38
2	FID	ACIS-I-5	7.23	7027	-0.279	0.041	0.007	0.012	0.000000	0.000000	-1825.20	1059.33
3	GUIDE	31075128	9.32	14040	0.060	-0.053	0.093	0.152	149.584516	2.364347	-1245.05	1093.61
4	GUIDE	31463496	9.46	14043	-0.046	-0.141	0.114	0.177	149.845020	2.964001	1103.56	1238.75
5	GUIDE	31983336	8.60	14050	0.251	0.104	0.075	0.122	150.429924	2.291234	-98.33	-1735.01
6	GUIDE	32374896	9.22	14042	-0.152	0.243	0.089	0.146	150.682269	2.512794	1024.10	-2181.19
7	GUIDE	32387968	9.20	14032	-0.112	-0.156	0.105	0.166	150.106347	3.119099	2027.79	655.02

2.4 Star Slots

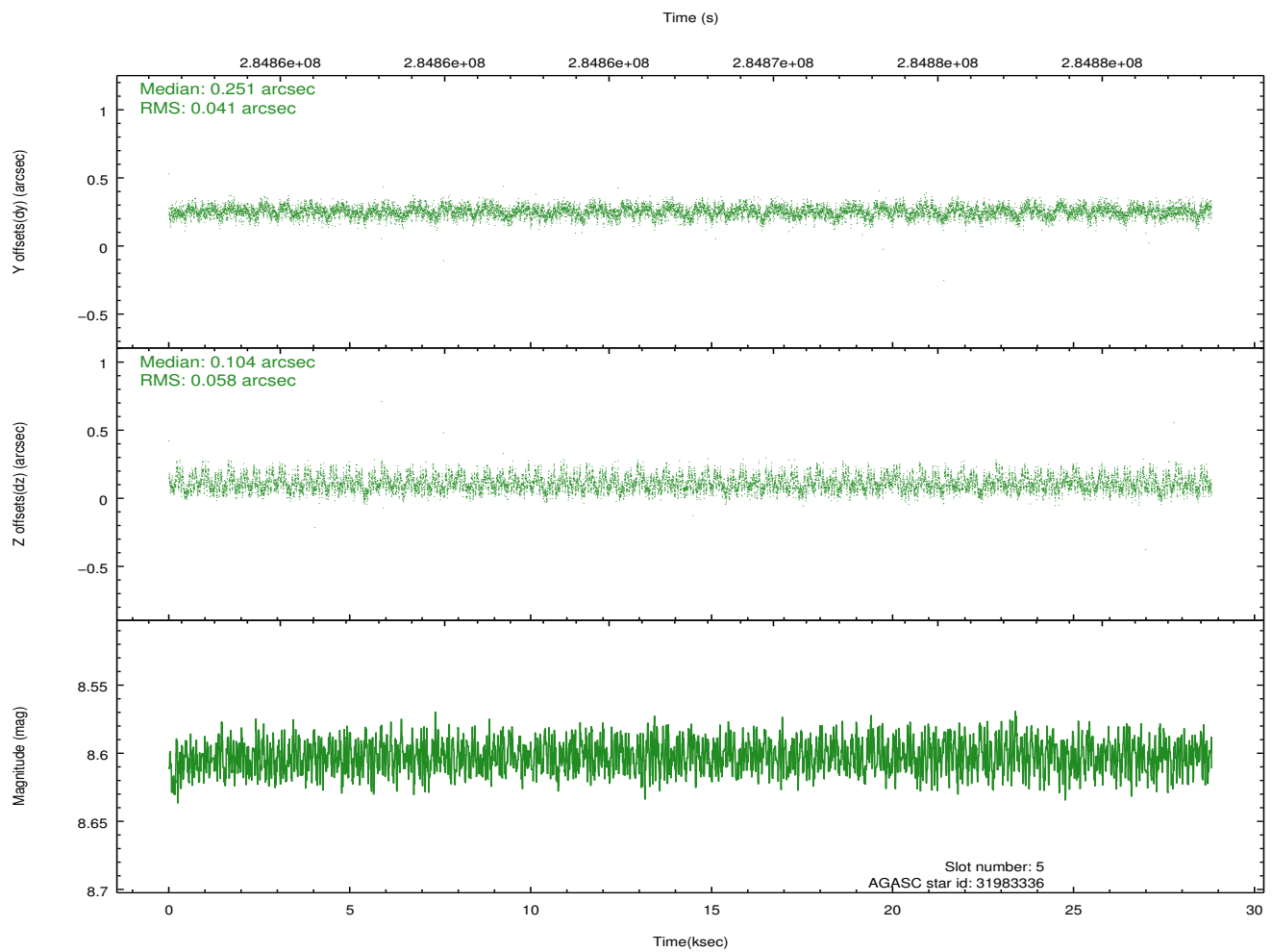
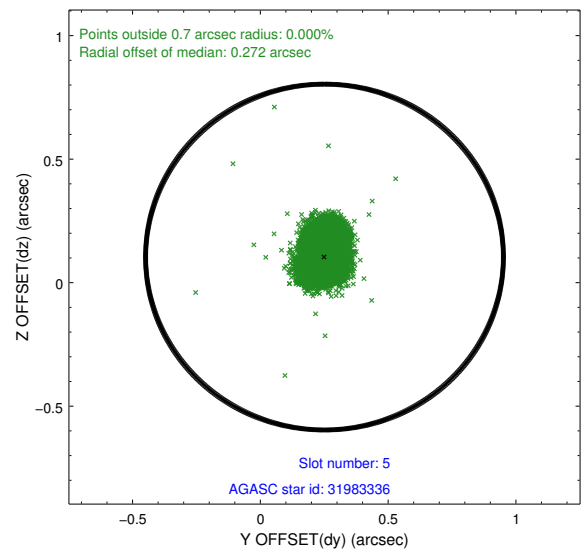
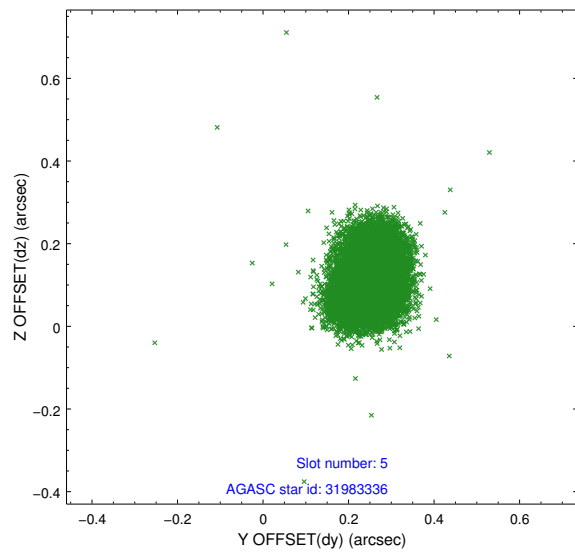
2.4.1 Slot 3



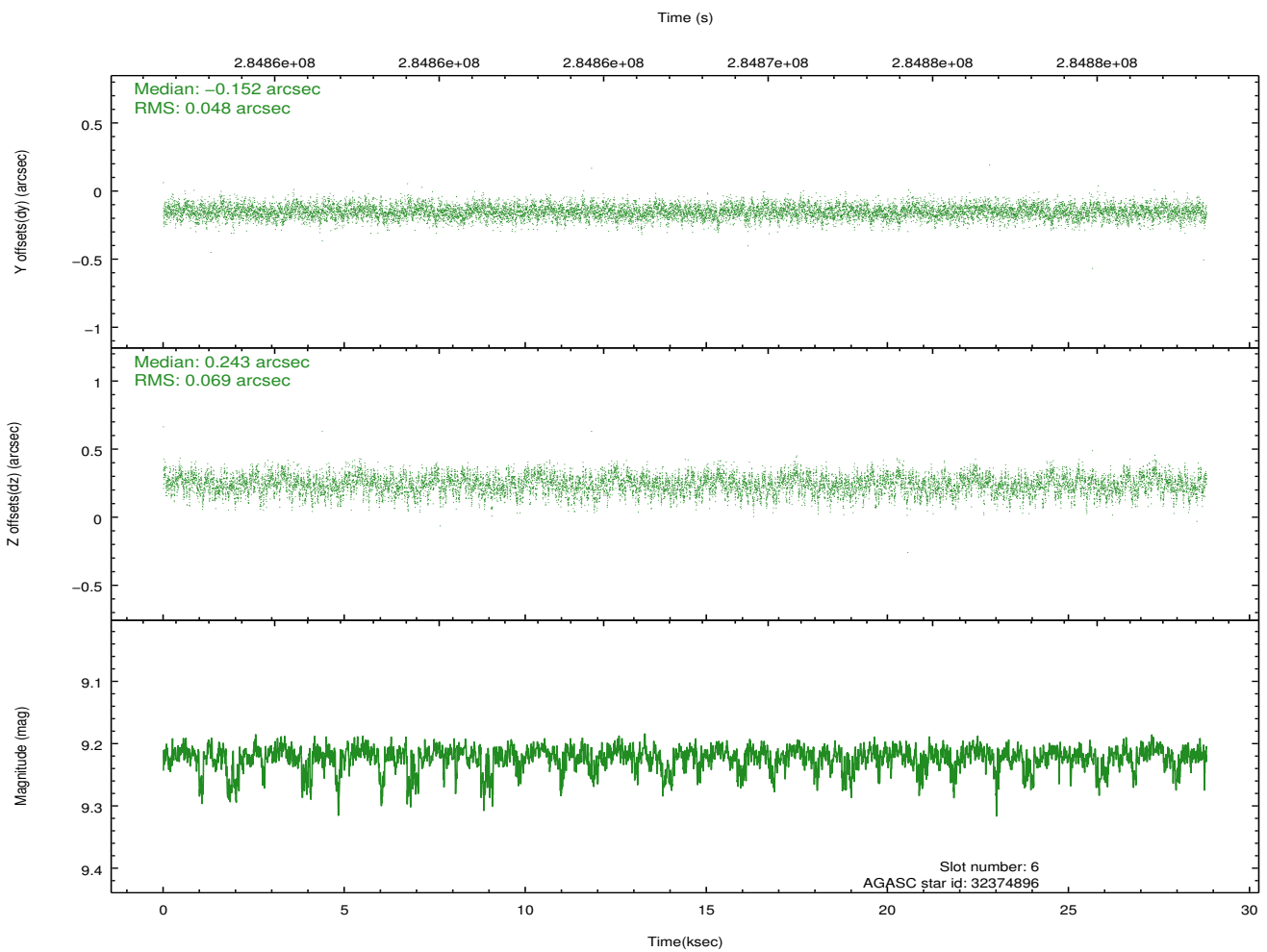
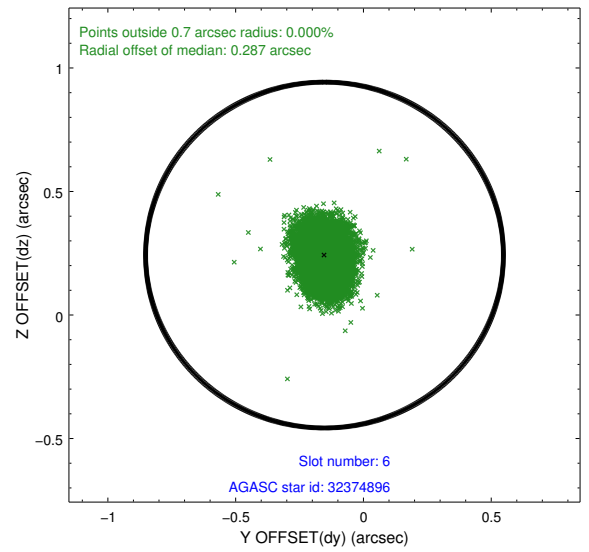
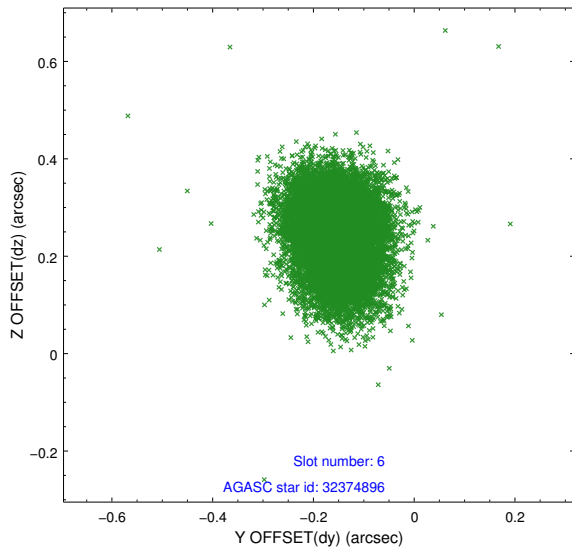
2.4.2 Slot 4



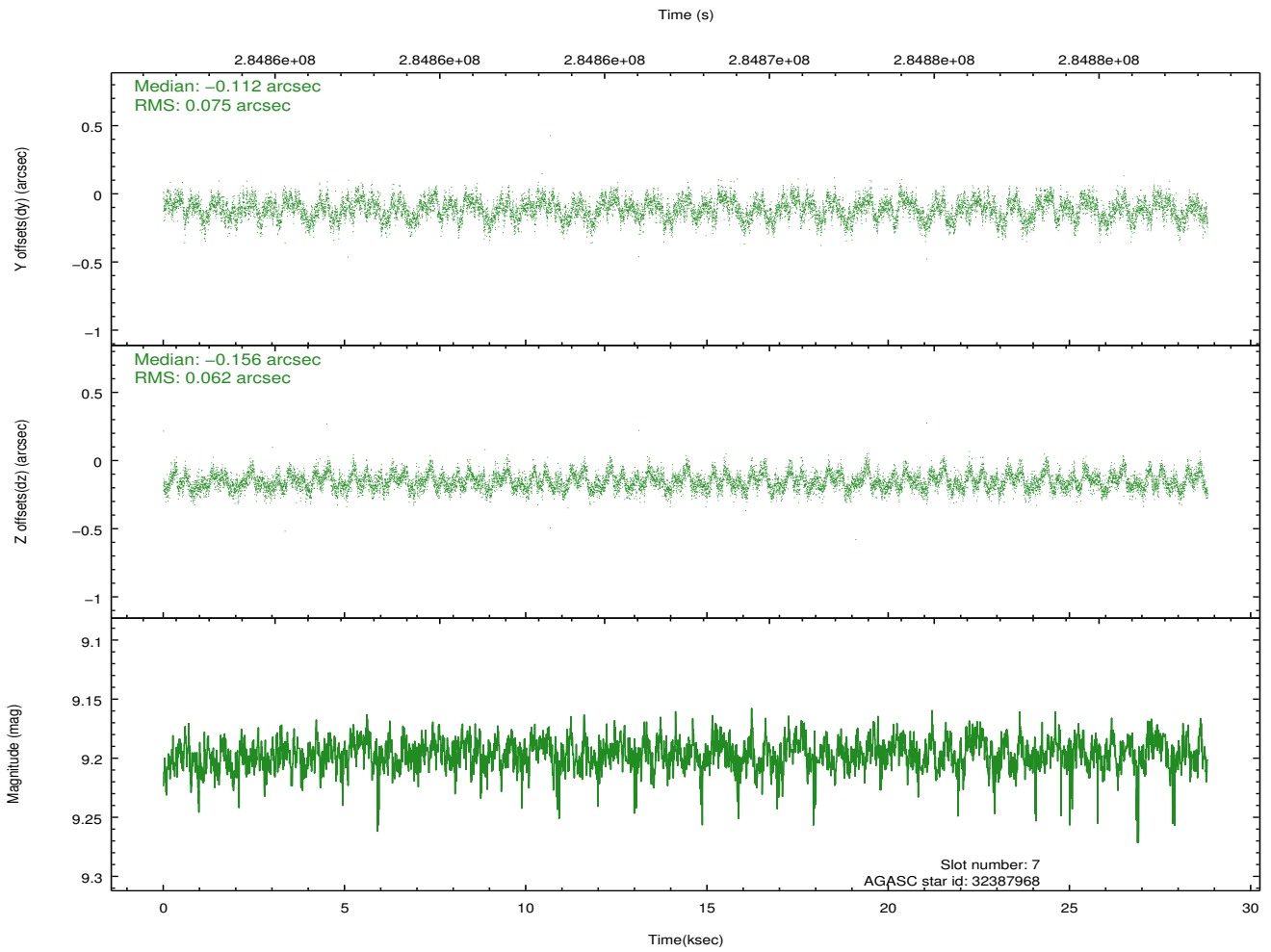
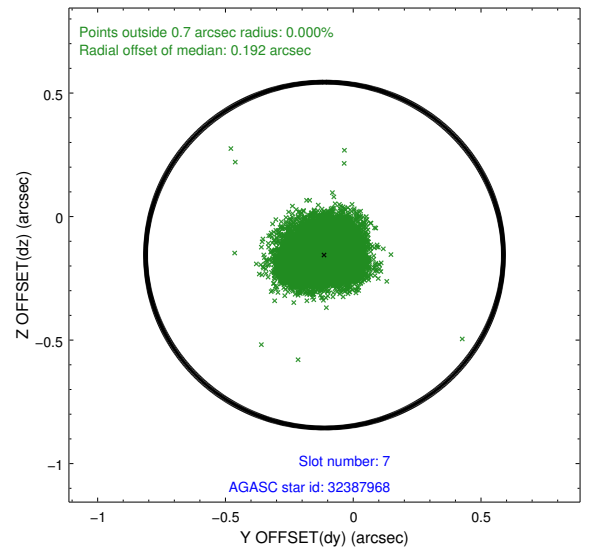
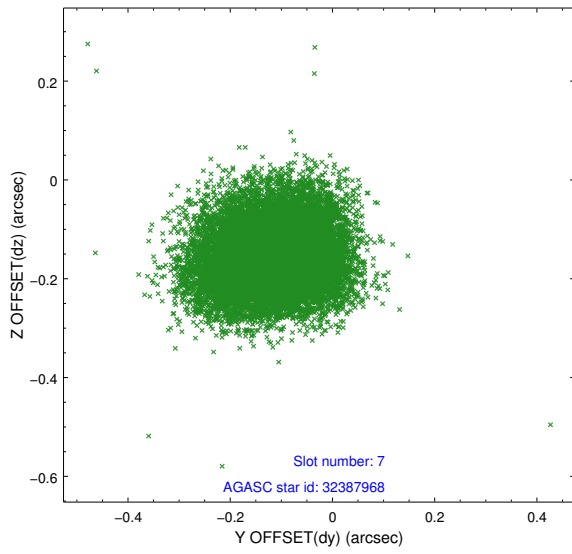
2.4.3 Slot 5



2.4.4 Slot 6

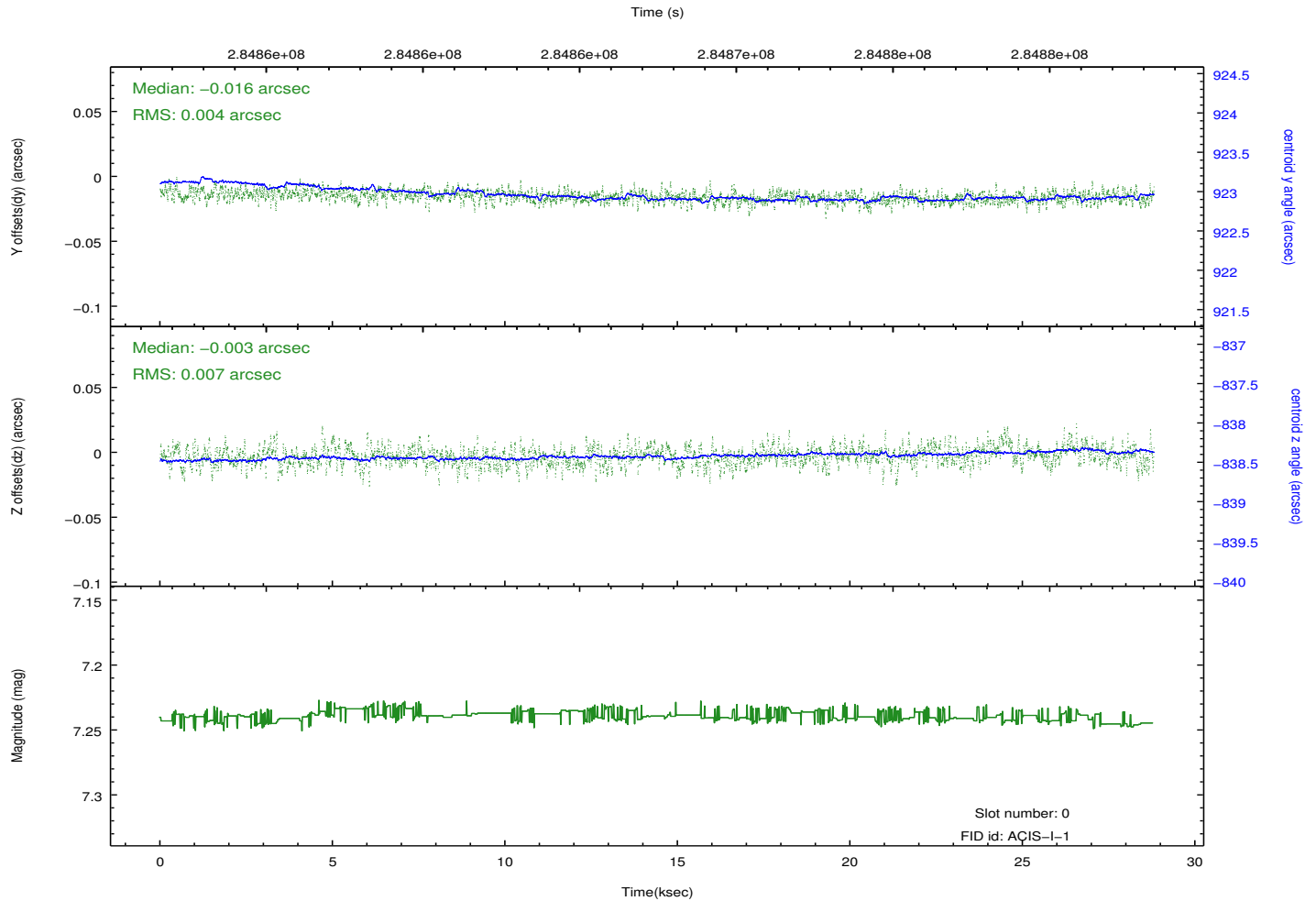
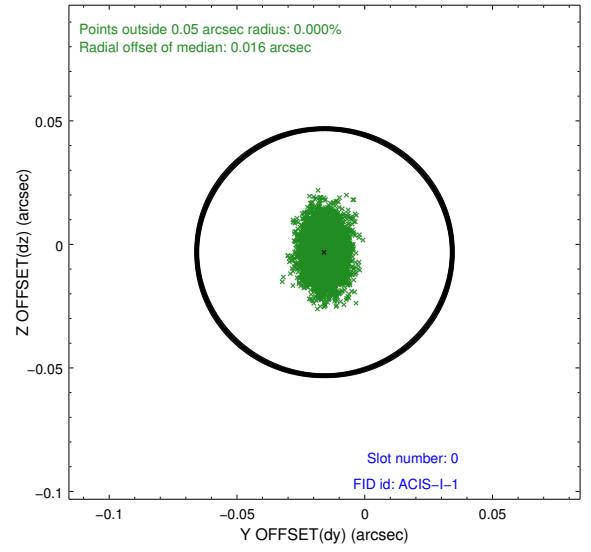
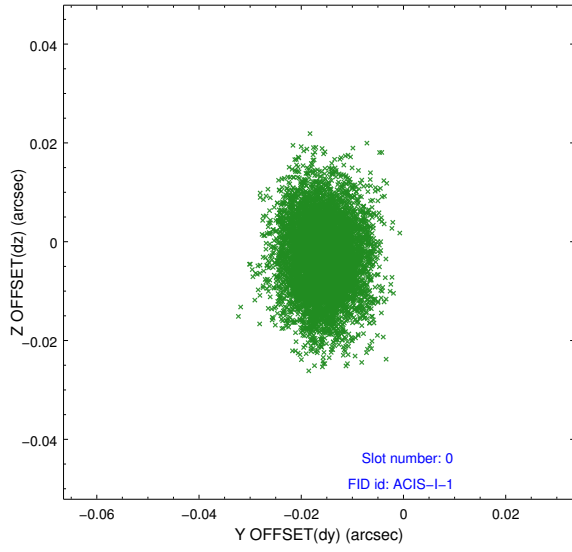


2.4.5 Slot 7

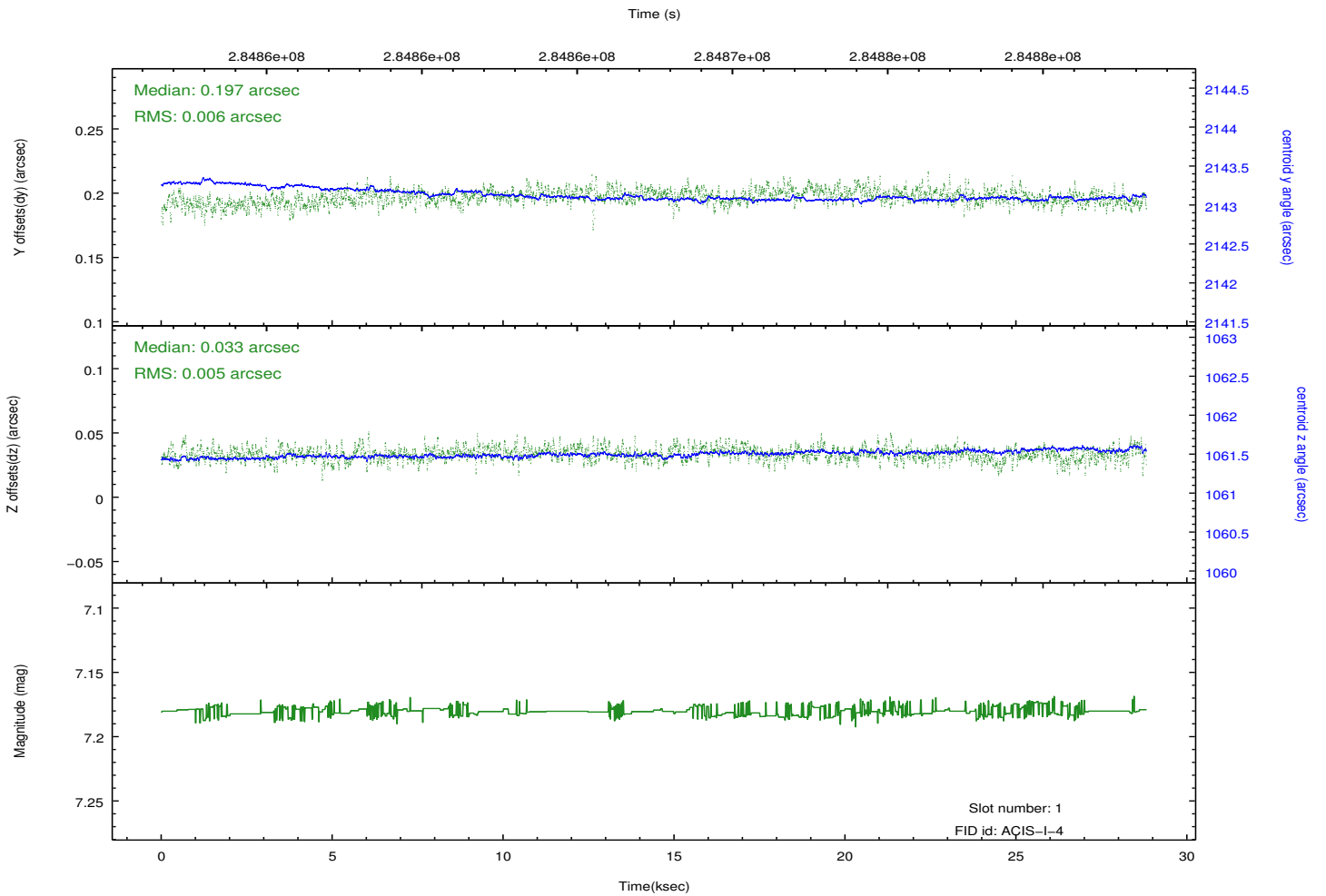
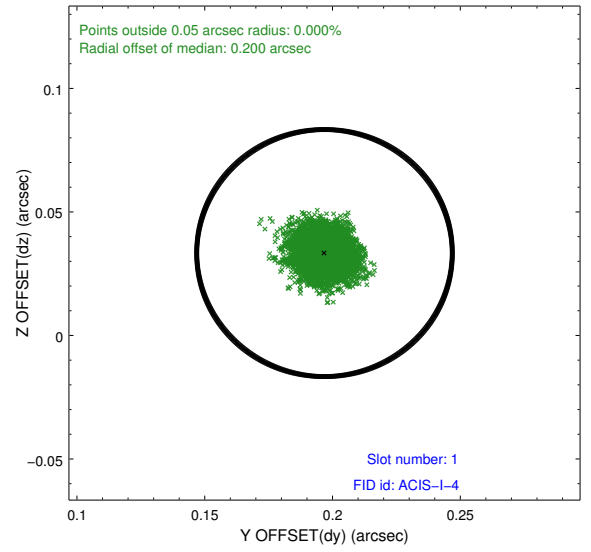
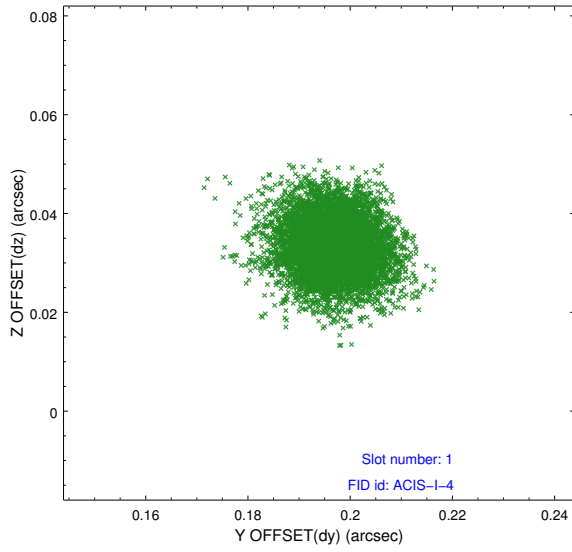


2.5 FID Slots

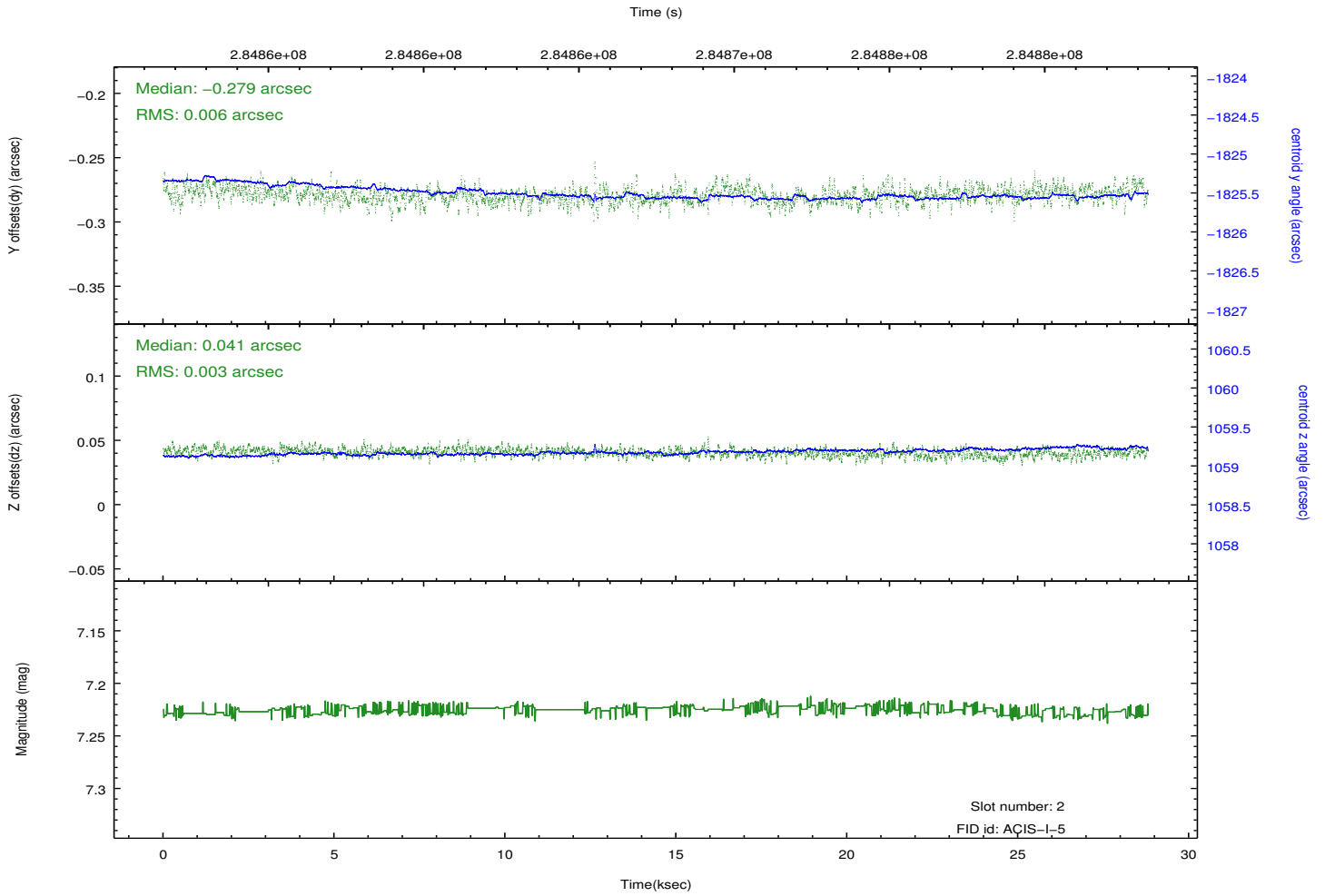
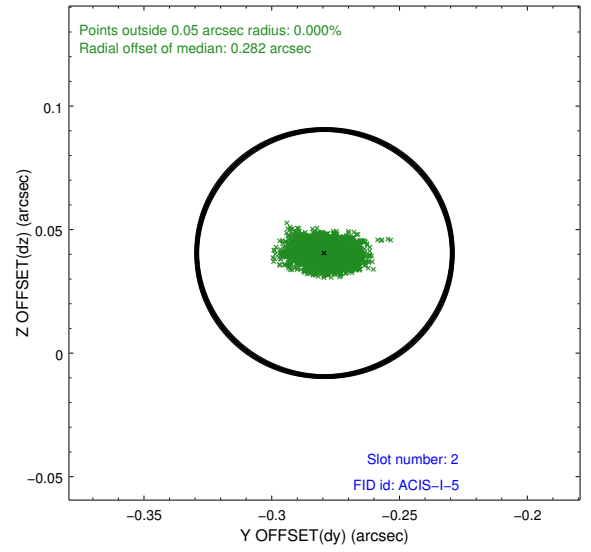
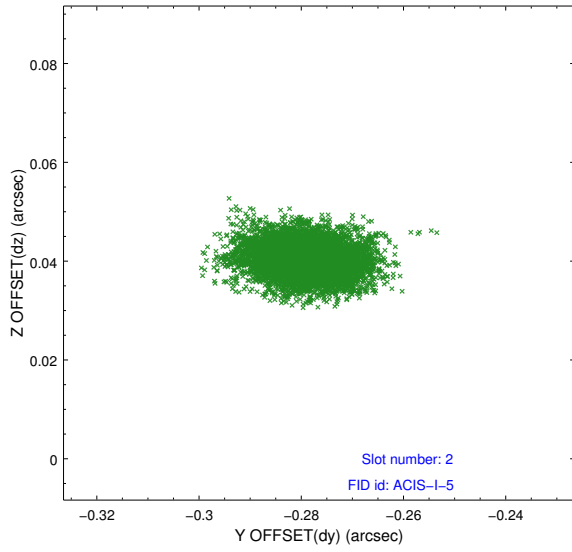
2.5.1 Slot 0



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	27.9967588

A.2 Comments