

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8026 - L2 Version 3
Chandra X-Ray Center

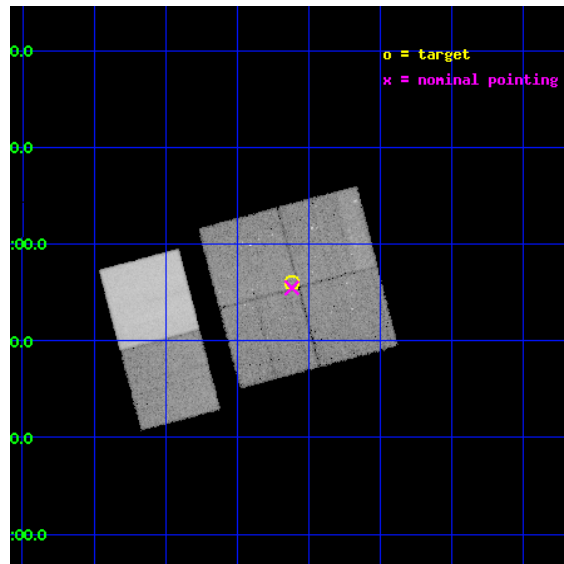
L2 Processing Date : Apr 23 2012

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1 Front

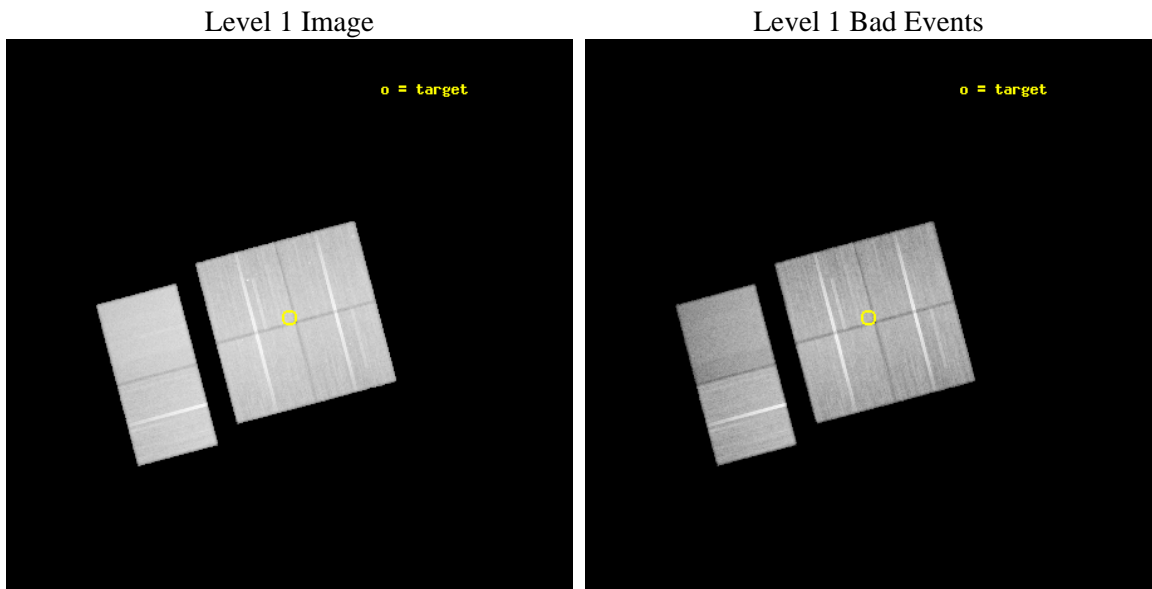
seq_num	900570	Sequence number
obs_id	8026	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS6-5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.779287	Observer's specified target RA [deg]
dec_targ	1.932636	Observer's specified target Dec [deg]
ra_nom	149.77964074128	Nominal RA [deg]
dec_nom	1.924563700531	Nominal Dec [deg]
roll_nom	255.20867806925	Nominal Roll [deg]
revision	3	Processing version of data
ontime	47673.558822155	Sum of GTIs [s]
livetime	47069.887514778	Livetime [s]
ontime0	47670.317831874	Sum of GTIs [s]
ontime1	47676.79982245	Sum of GTIs [s]
ontime2	47670.317802012	Sum of GTIs [s]
ontime3	47673.558822155	Sum of GTIs [s]
ontime6	47673.558832169	Sum of GTIs [s]
ontime7	47676.79982245	Sum of GTIs [s]
l2events	339675	Number of level 2 events



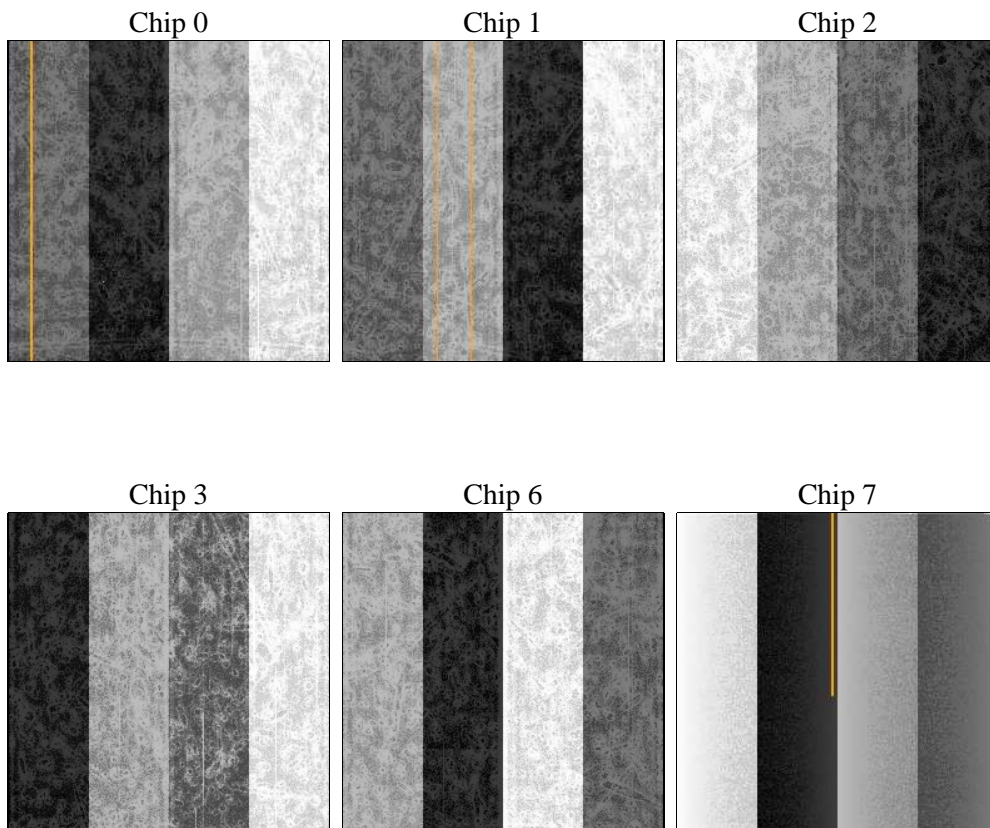
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	47633.095000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	47673.558822155	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	47670.317831874	Sum of GTIs [s]
date	2012-04-23T10:23:12	Date and time of file creation	ontime1	47676.79982245	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	47670.317802012	Sum of GTIs [s]
			ontime3	47673.558822155	Sum of GTIs [s]
			ontime6	47673.558832169	Sum of GTIs [s]
			ontime7	47676.79982245	Sum of GTIs [s]
			l1events	2297426	Number of level 1 events

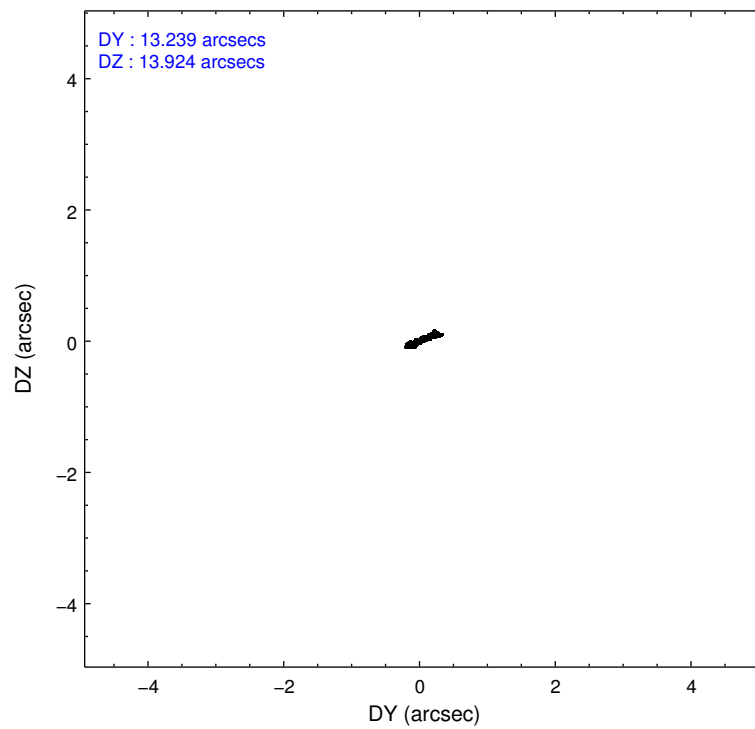
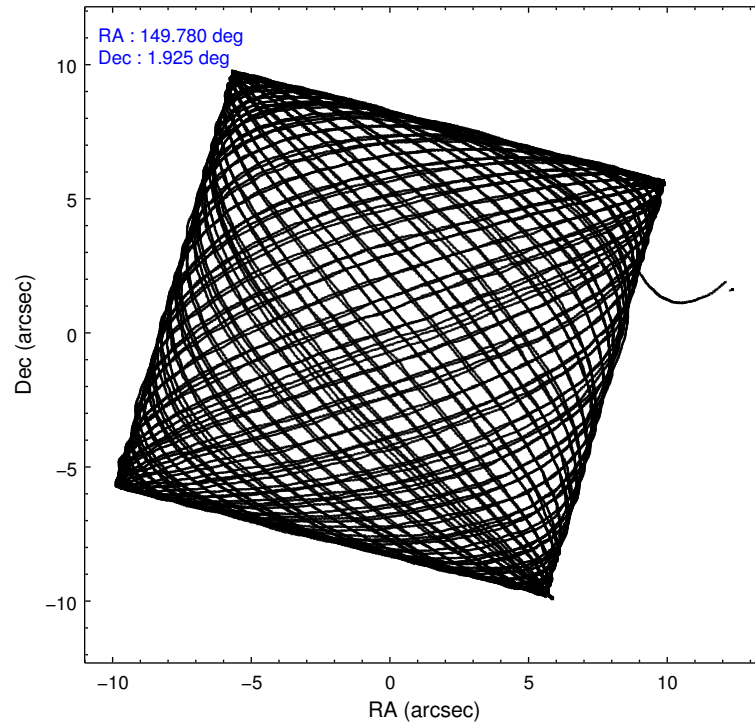
2.1.4 Events

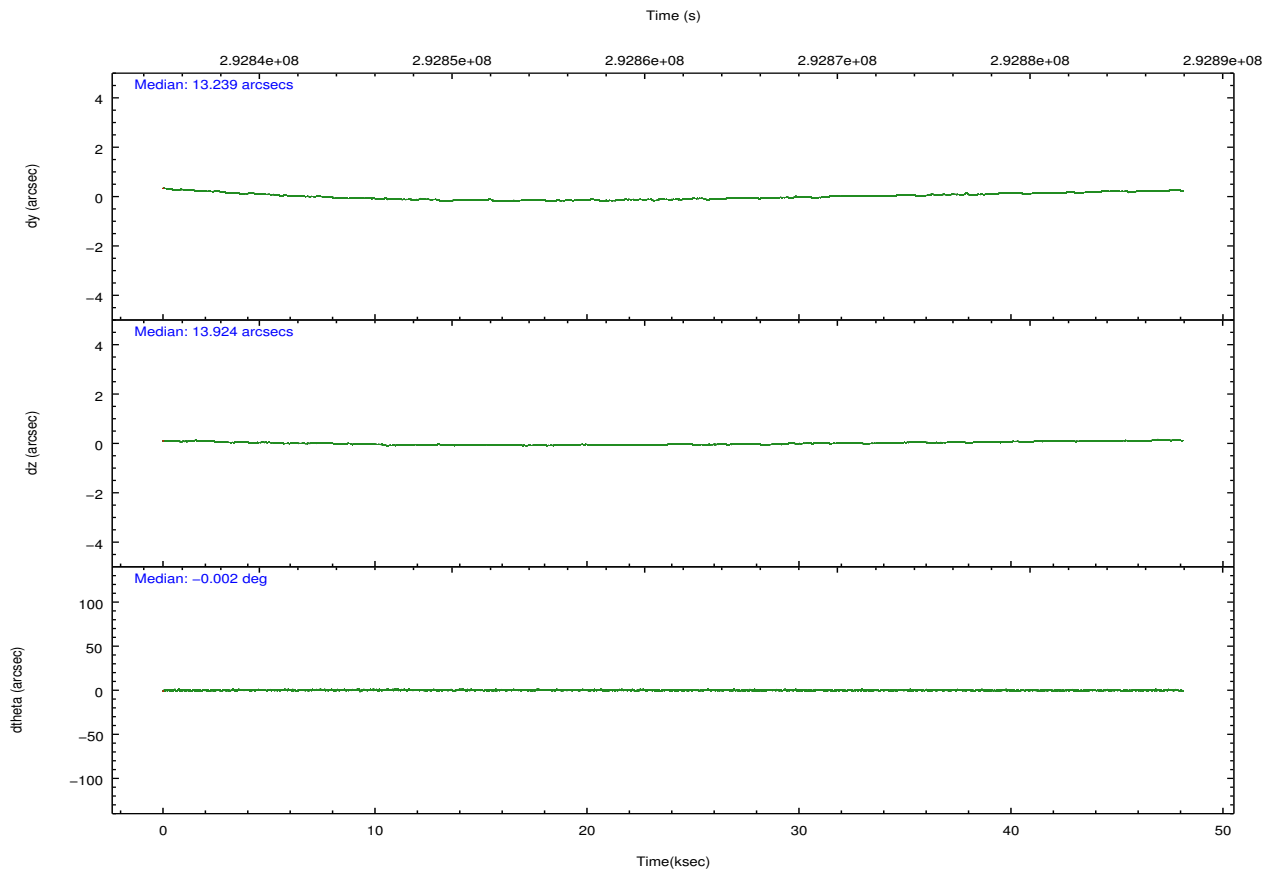
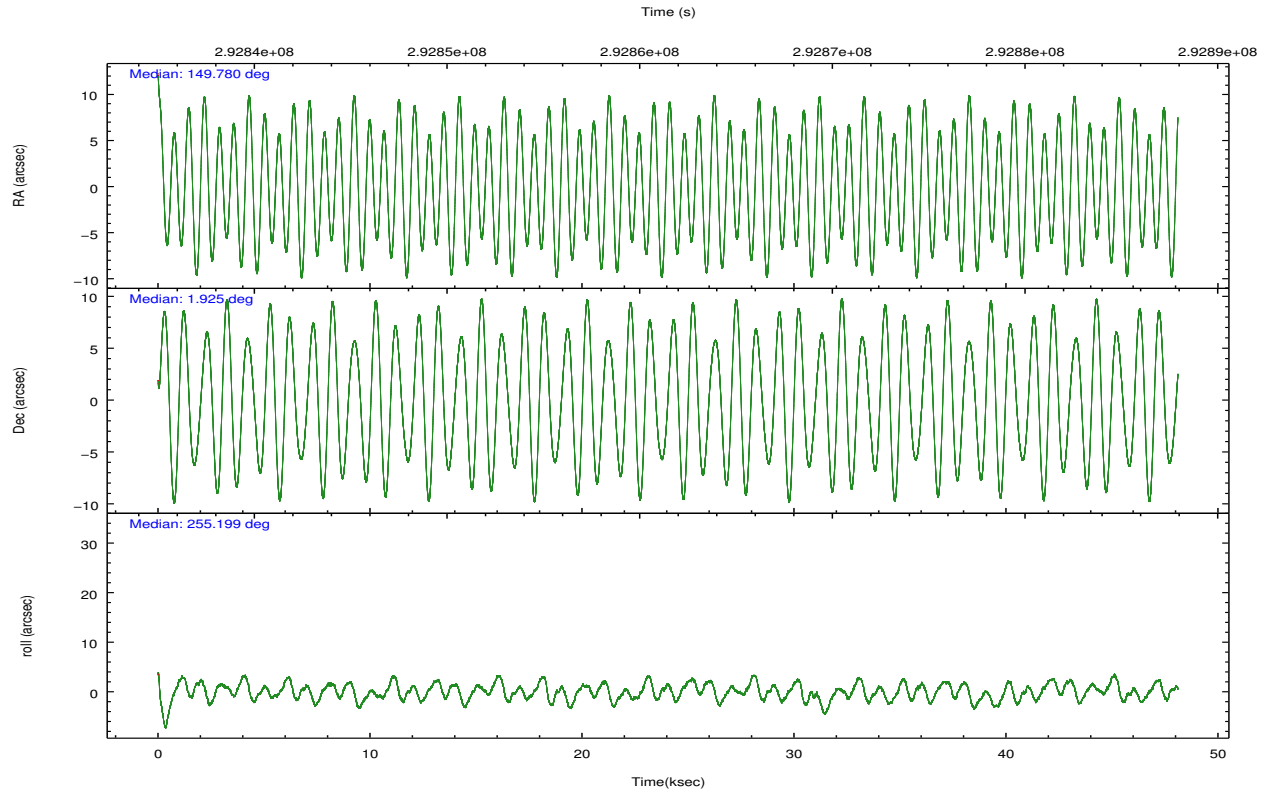
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	356509	353336	396854	375716	397943	417068	grade 0 events	12366	15284	12817	12552	12964	17726
rejected events	320486	311344	361212	340415	359420	227016		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	91%	90%	90%	54%	grade 1 events	173	201	219	215	179	499
								0%	0%	0%	0%	0%	0%
							grade 2 events	8686	9326	8532	7802	8668	38093
								2%	2%	2%	2%	2%	9%
							grade 3 events	4106	4553	3743	4100	4228	17495
								1%	1%	0%	1%	1%	4%
							grade 4 events	3949	4478	3912	3921	4133	17469
								1%	1%	0%	1%	1%	4%
							grade 5 events	12558	14198	11940	14918	15533	43658
								3%	4%	3%	3%	3%	10%
							grade 6 events	6921	8356	6640	6932	8534	99283
								1%	2%	1%	1%	2%	23%
							grade 7 events	307750	296940	349051	325276	343704	182845
								86%	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	149.772314	149.7796407412845	CCD I2 on	Y	Y
[deg] Pointing Dec	1.951072	1.924563700530983	CCD I3 on	Y	Y
[deg] Pointing Roll	255.000232	255.2086780692517	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)	292837887.184000	292836739.60007	CCD S5 on	N	N
Observation start date	2007-04-13T07:50:22	2007-04-13T07:32:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	292885520.184000	292885757.15241	On-chip summing requested	N	N
Observation end date	2007-04-13T21:04:15	2007-04-13T21:09:17	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



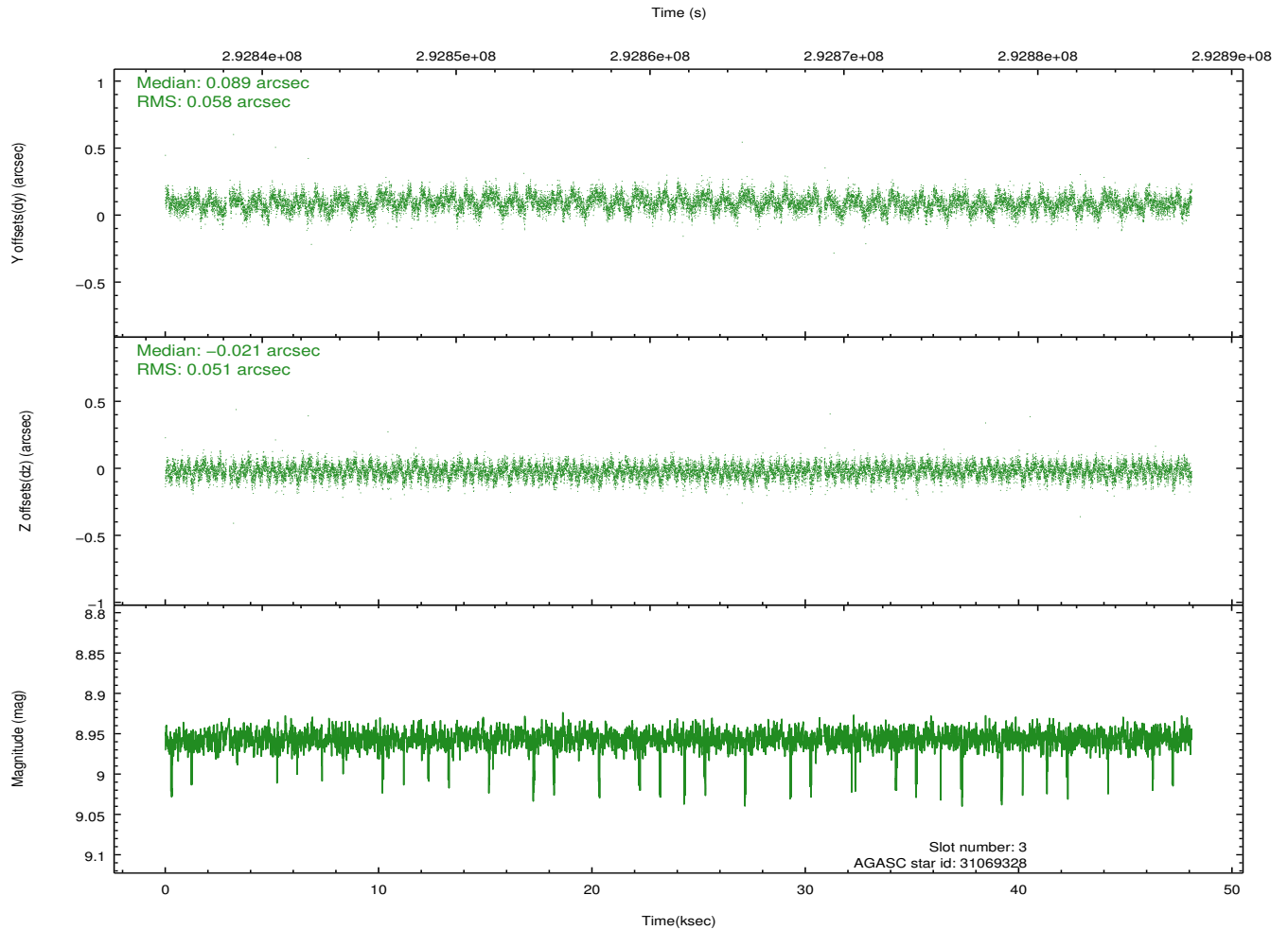
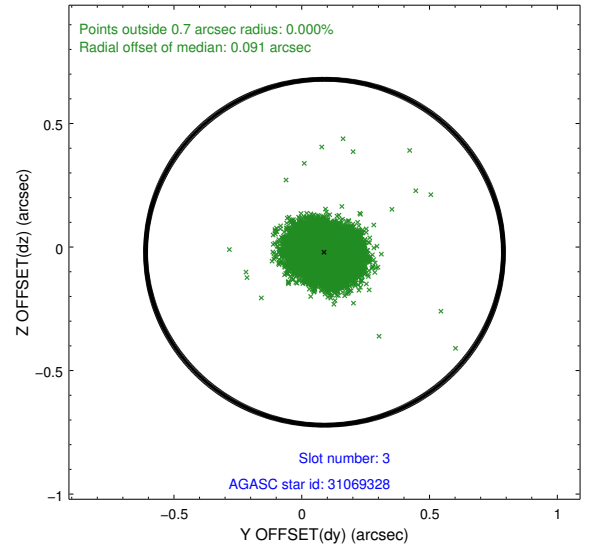
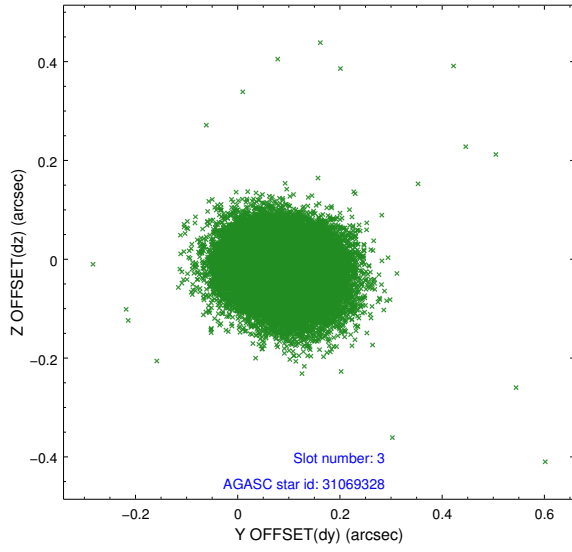


Slot Statistics

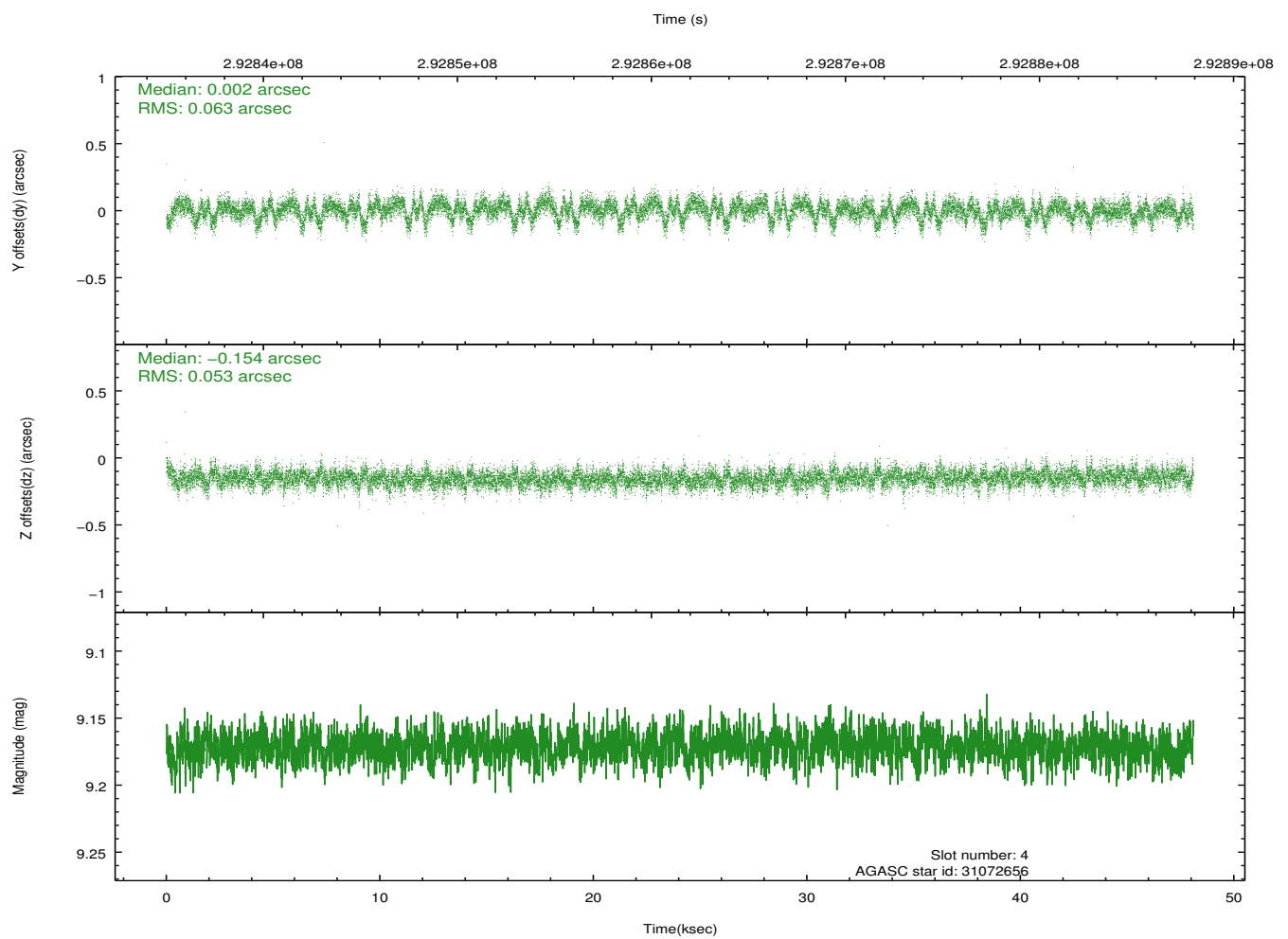
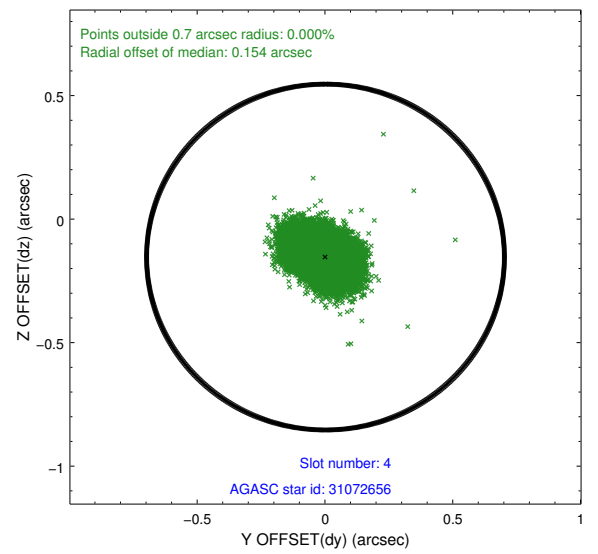
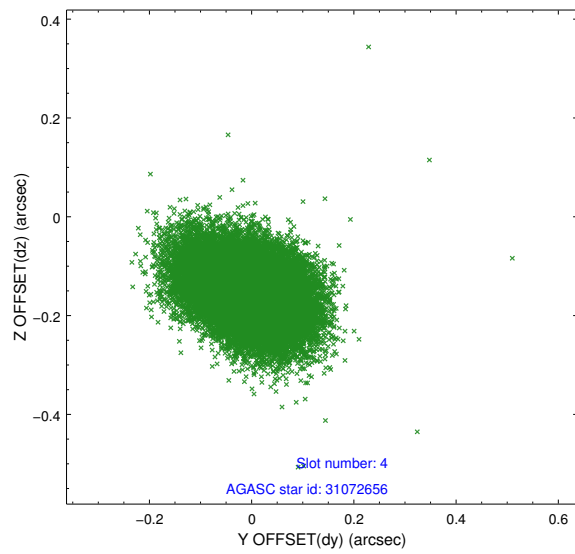
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	11731	0.033	0.011	0.012	0.019	0.000000	0.000000	926.30	-837.48
1	FID	ACIS-I-5	7.23	11731	-0.220	0.040	0.010	0.016	0.000000	0.000000	-1822.08	1060.02
2	FID	ACIS-I-6	7.24	11731	0.094	0.020	0.008	0.013	0.000000	0.000000	391.90	1704.51
3	GUIDE	31069328	8.96	23323	0.089	-0.021	0.082	0.131	149.407760	1.639418	1423.64	-976.40
4	GUIDE	31072656	9.17	23452	0.002	-0.154	0.085	0.145	149.313368	1.815013	901.10	-1467.94
5	GUIDE	31075128	9.31	23441	-0.014	0.024	0.108	0.174	149.584516	2.364347	-1261.81	-1037.46
6	GUIDE	31076560	9.64	23438	0.173	-0.008	0.122	0.192	149.884782	2.009277	-306.51	337.07
7	GUIDE	31983336	8.59	23449	-0.241	0.159	0.072	0.116	150.429924	2.291234	-1795.90	1968.13

2.4 Star Slots

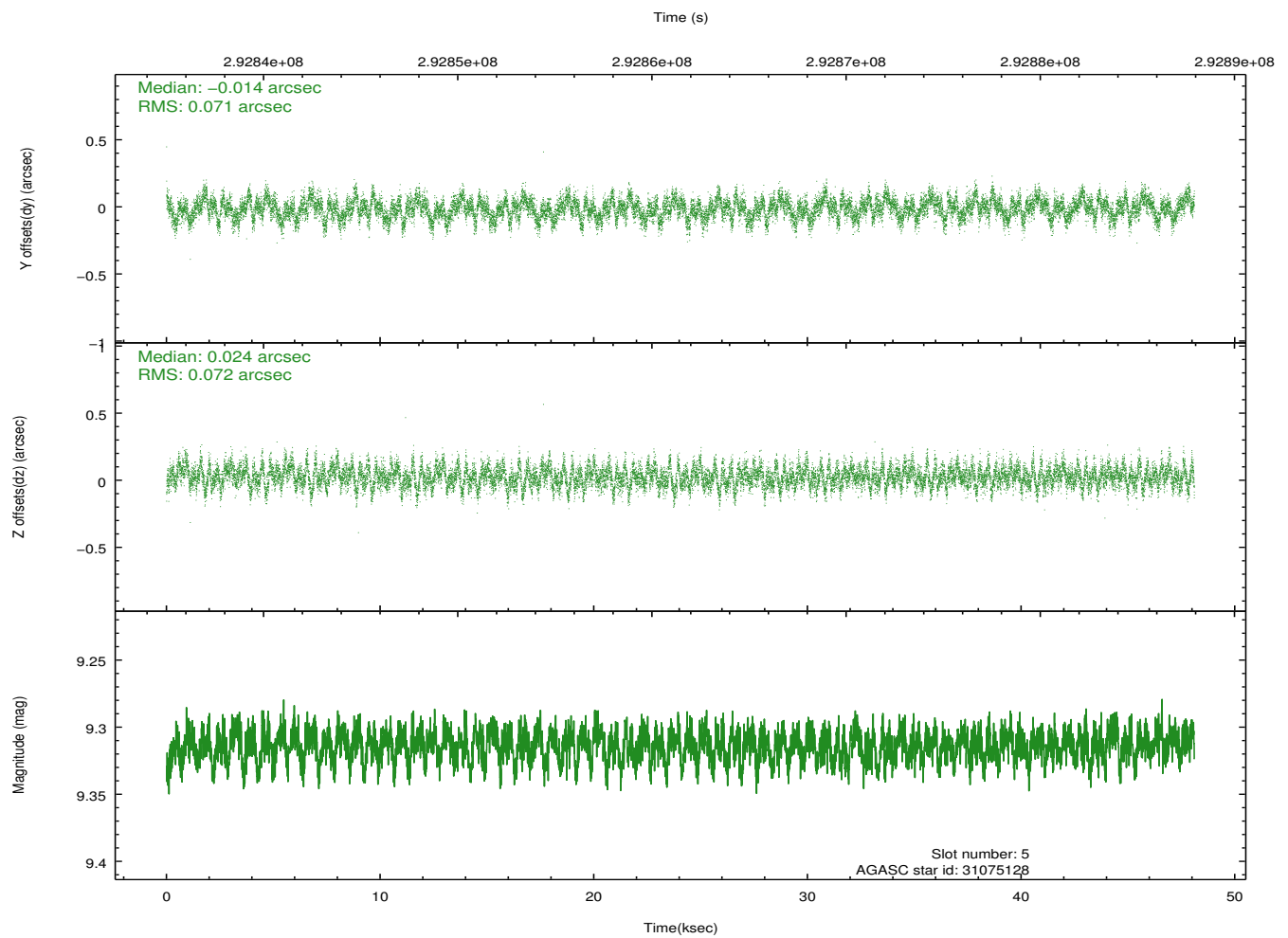
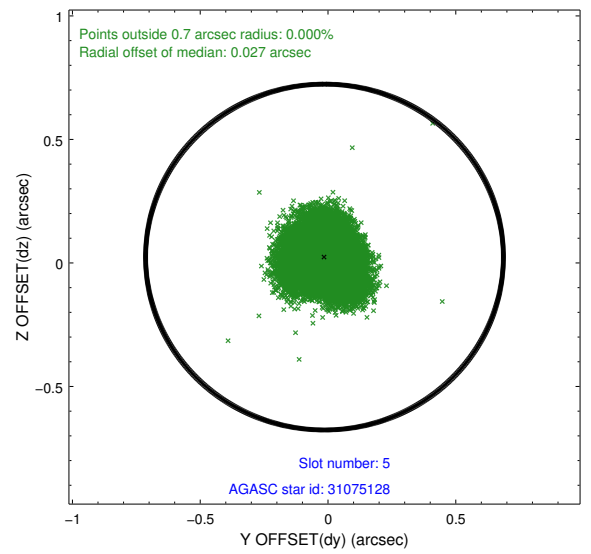
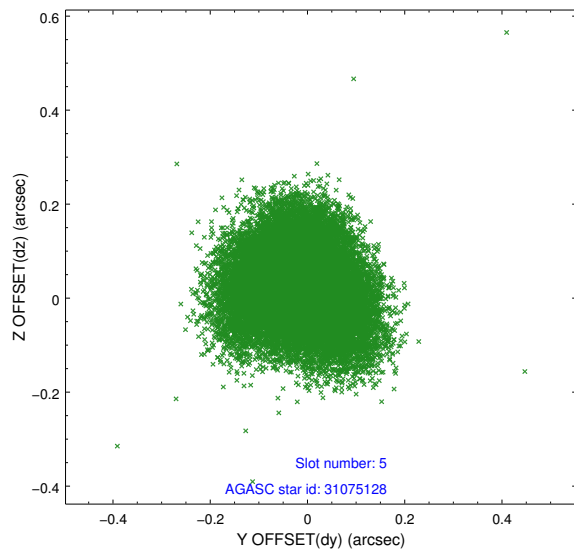
2.4.1 Slot 3



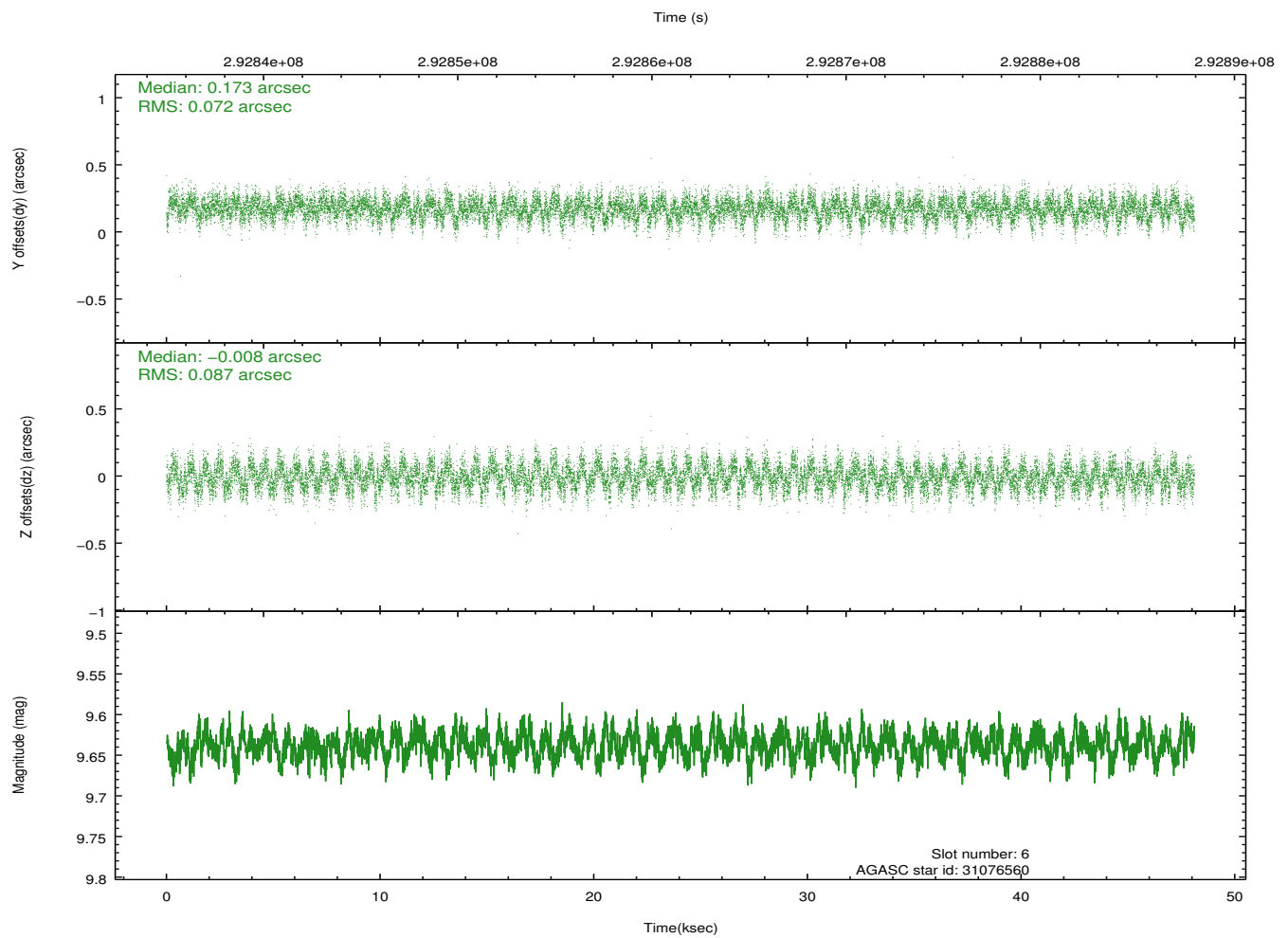
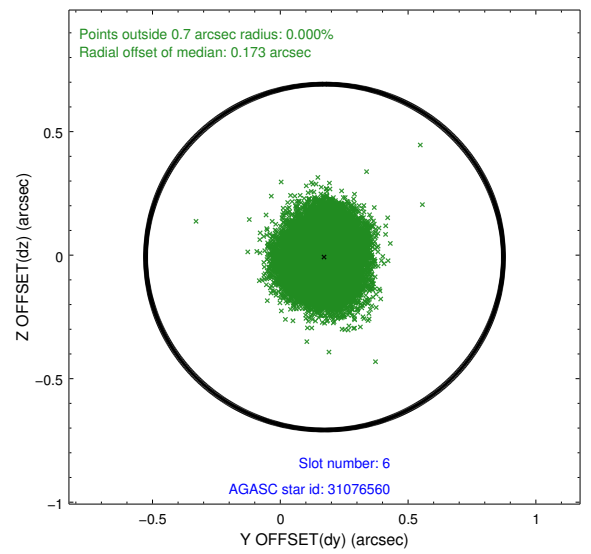
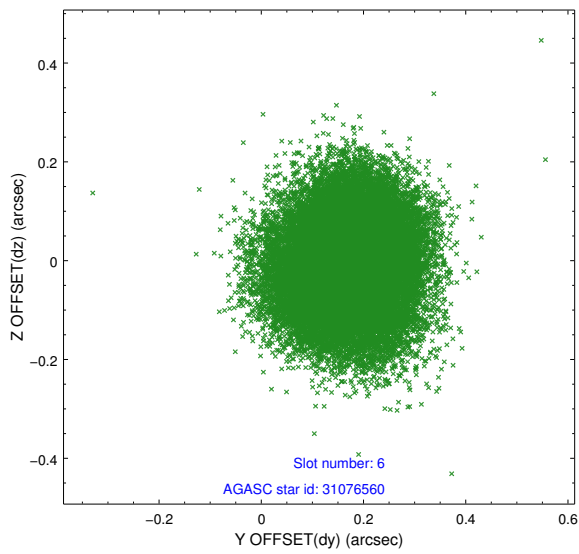
2.4.2 Slot 4



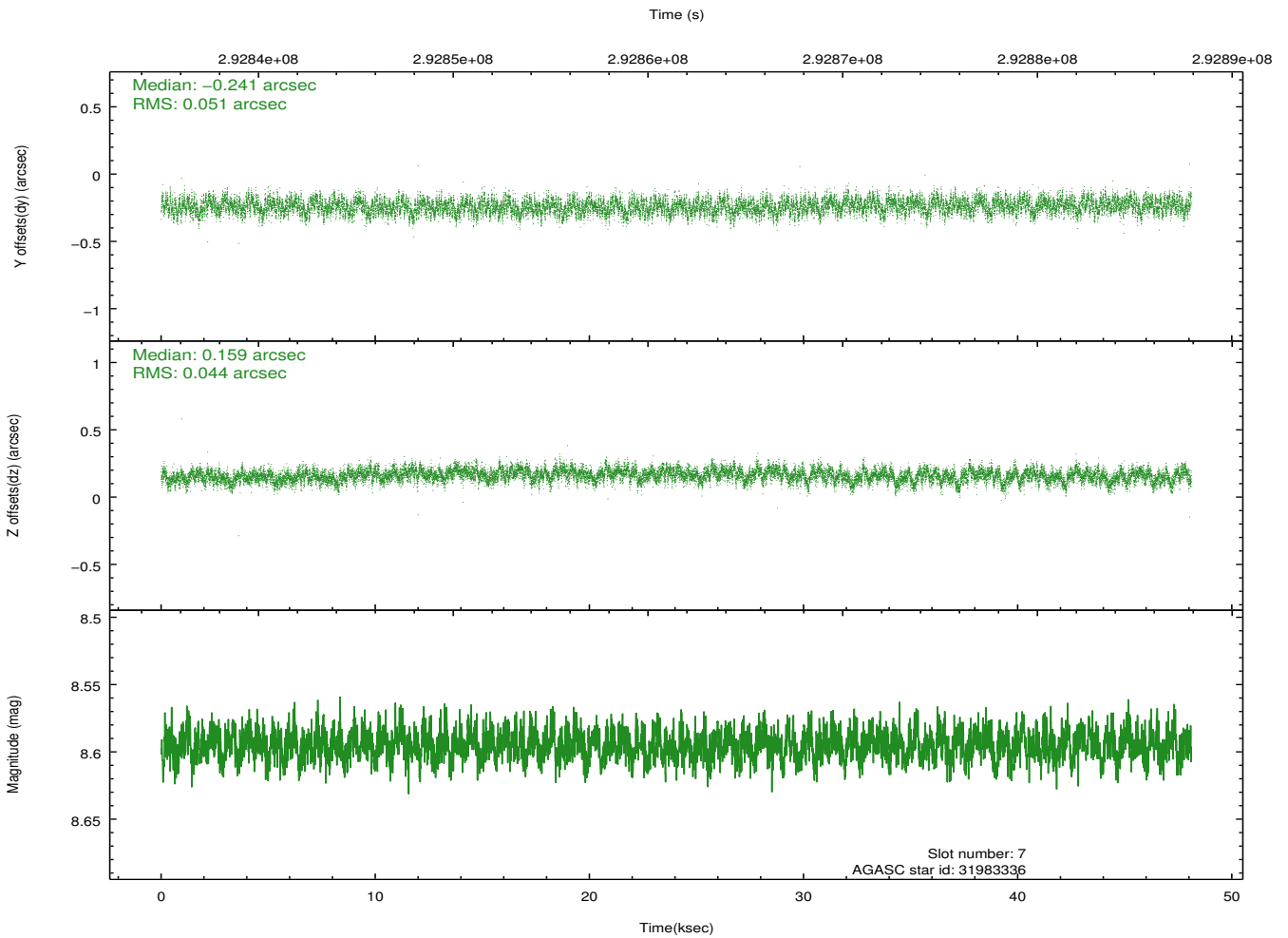
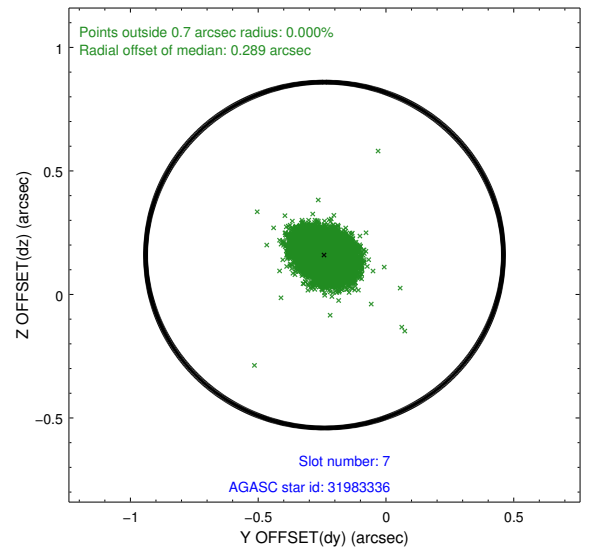
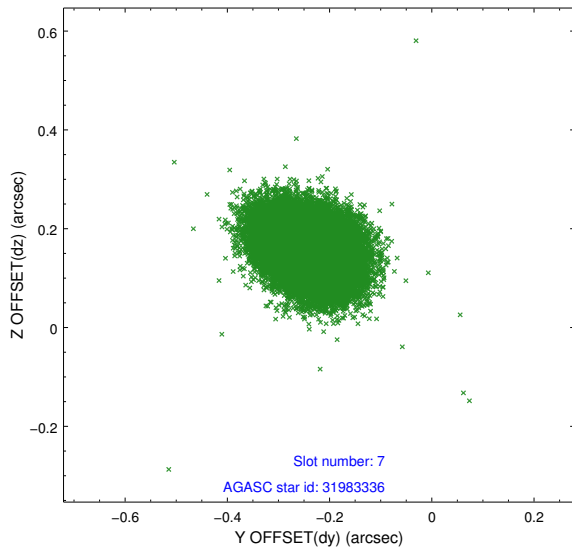
2.4.3 Slot 5



2.4.4 Slot 6

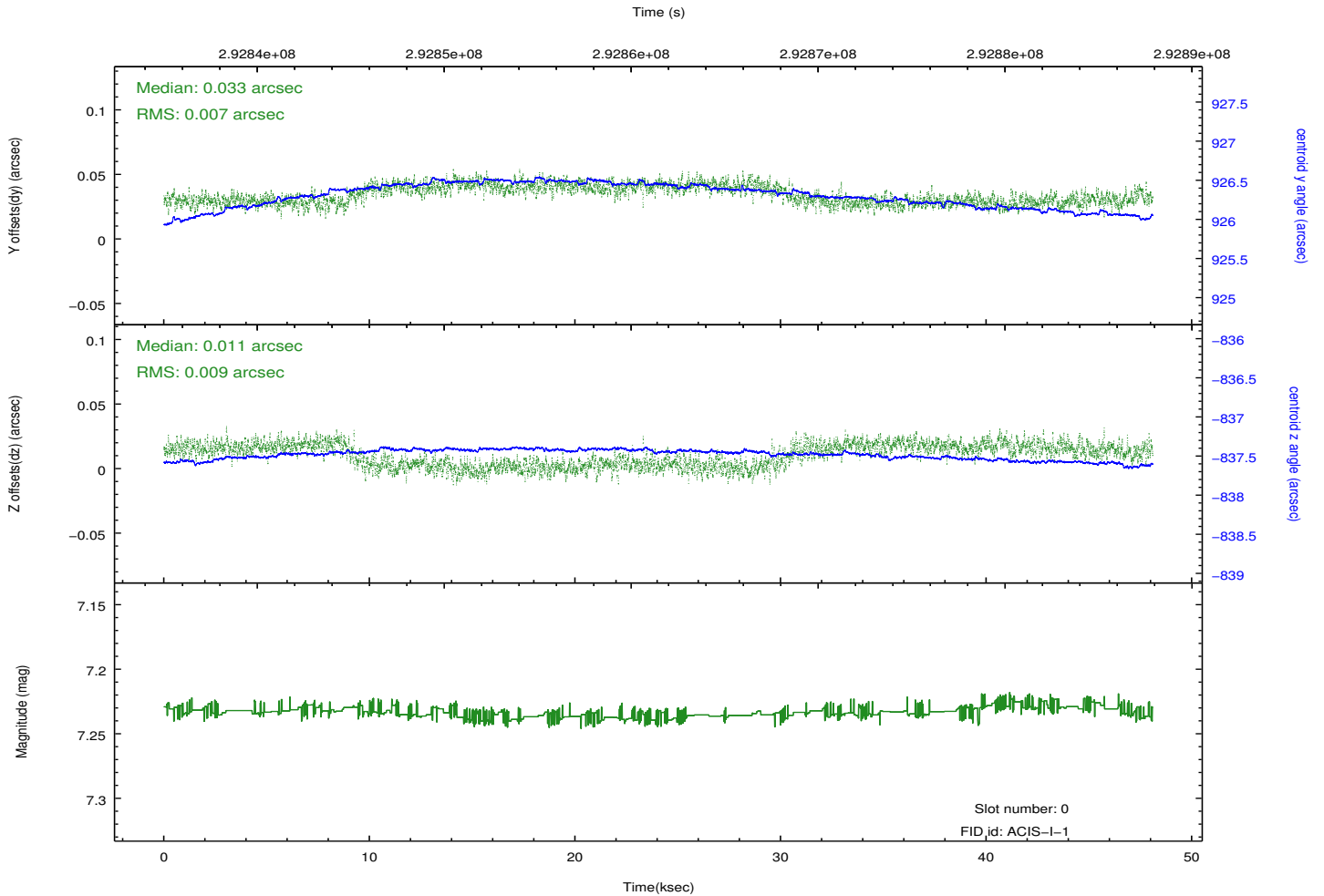
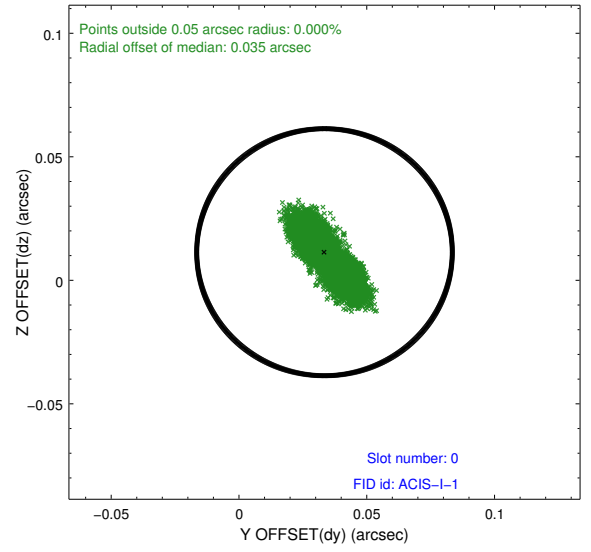
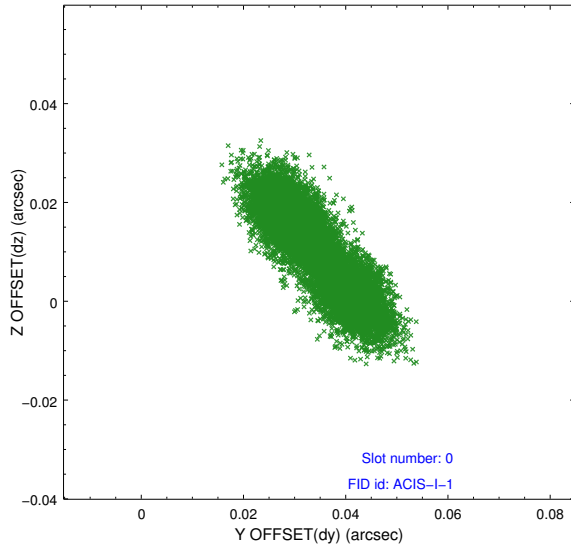


2.4.5 Slot 7

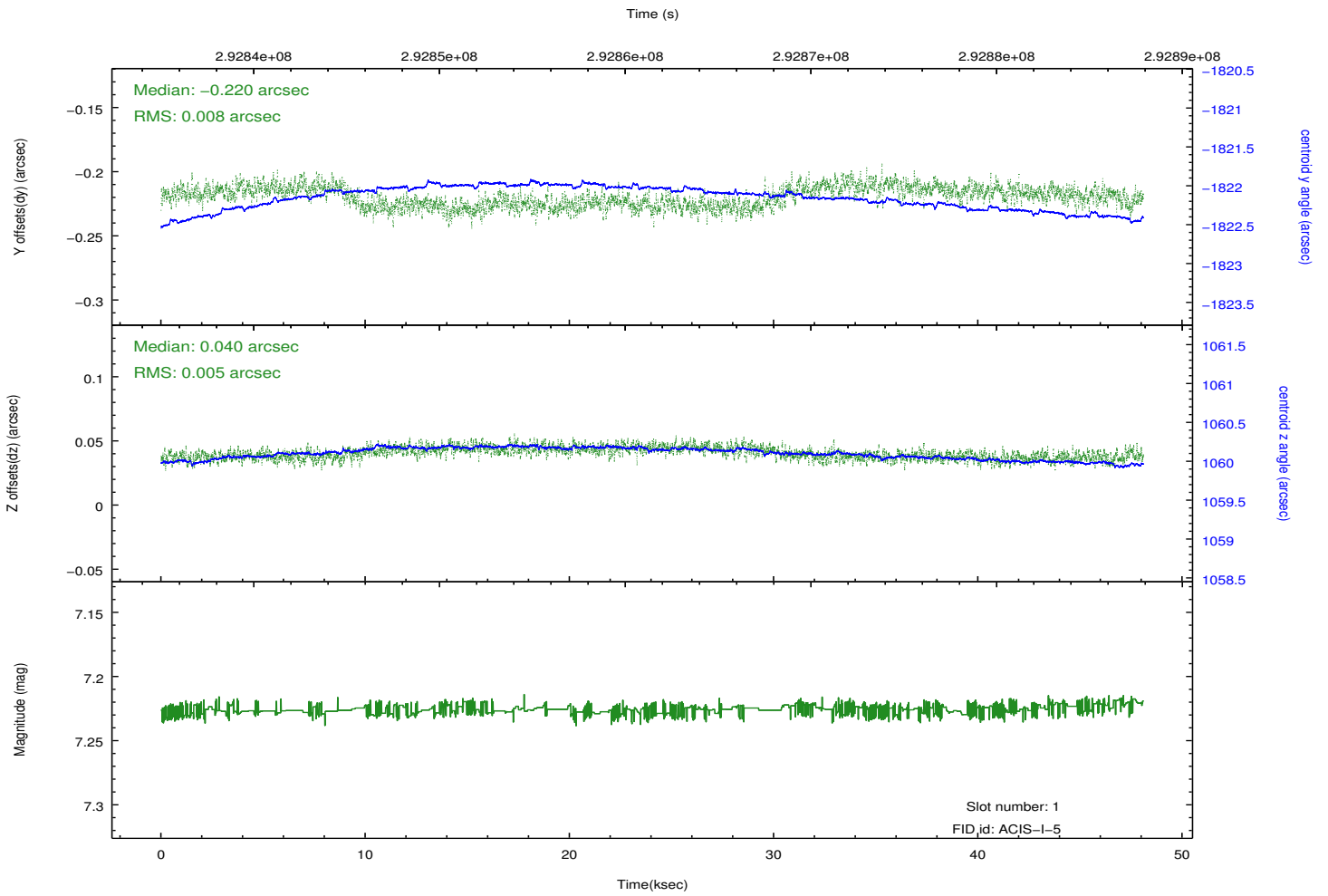
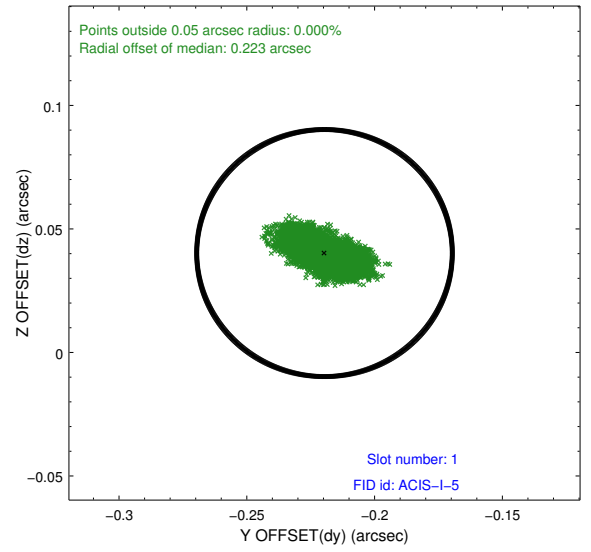
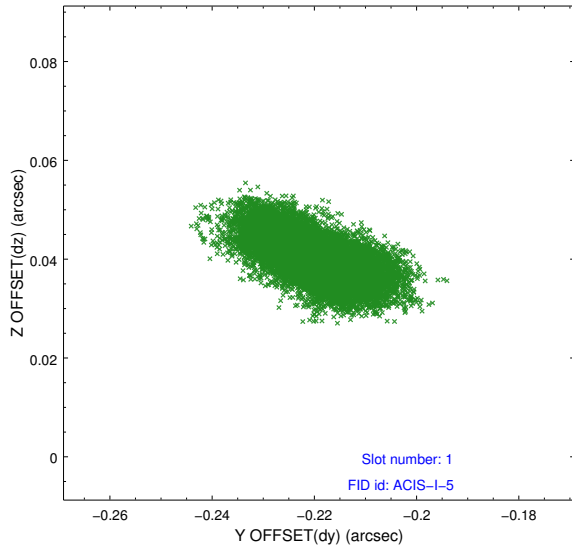


2.5 FID Slots

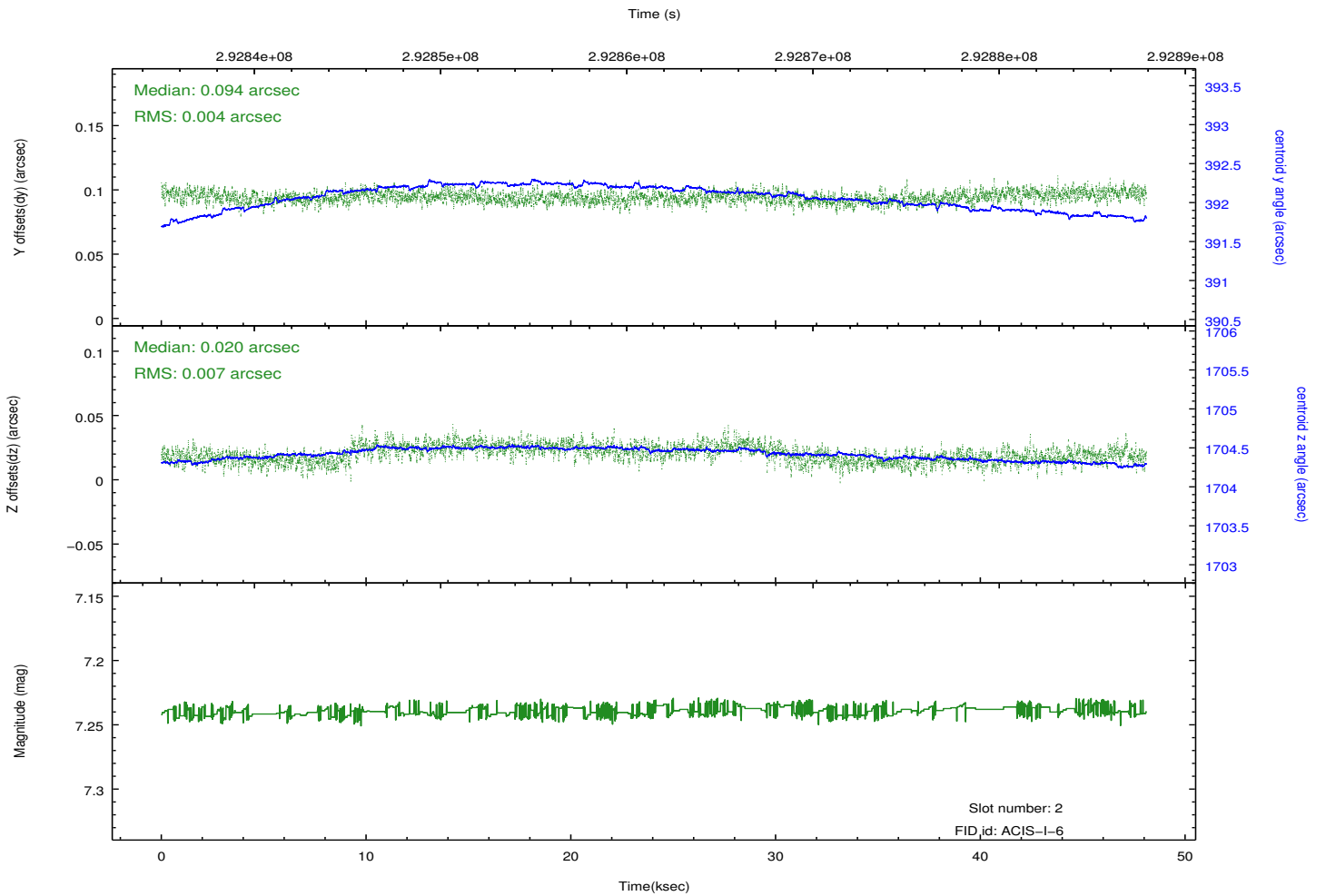
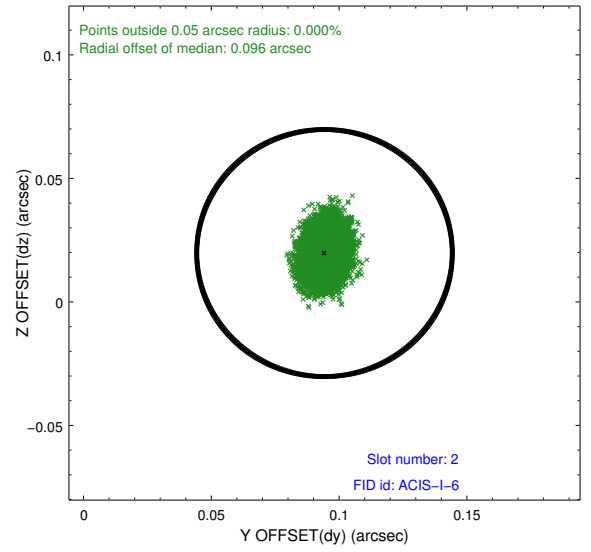
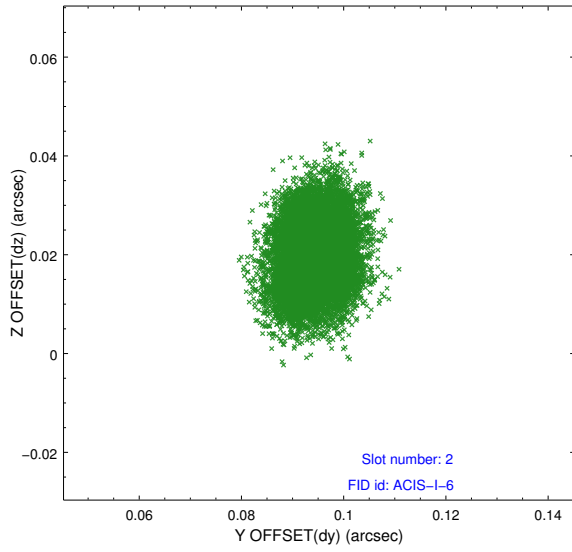
2.5.1 Slot 0



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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.6735588

A.2 Comments

Roll preference met.