

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10845 - L2 Version 2
Chandra X-Ray Center

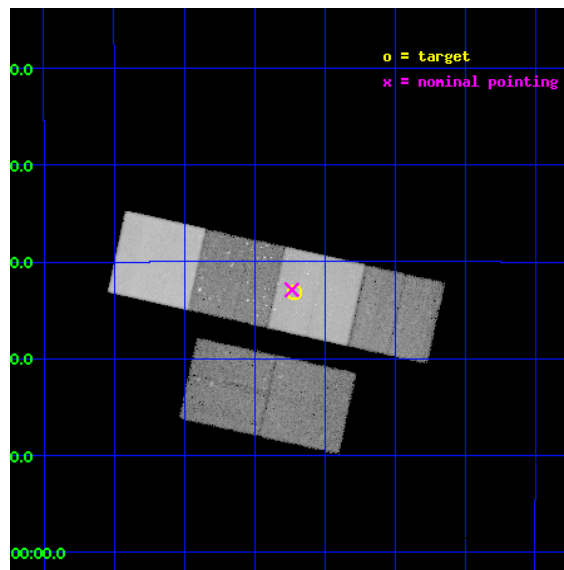
L2 Processing Date : May 30 2012

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1 Front

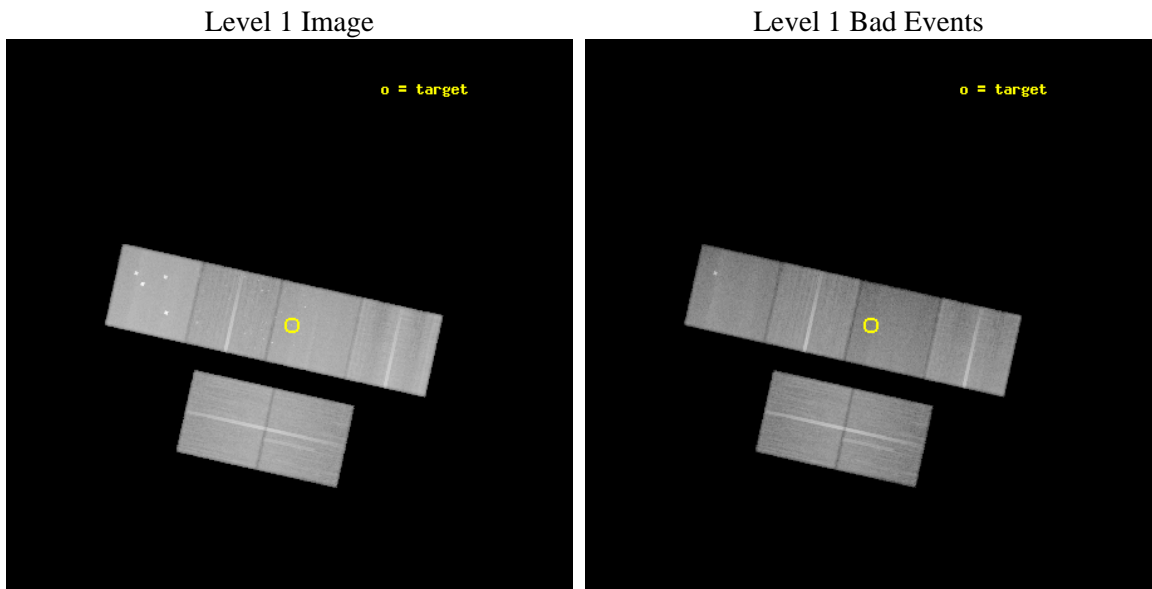
seq_num	200569	Sequence number
obs_id	10845	Observation id
title	X-ray emission from the pre-main sequence star ZCMa during a FUOri-type outburst	Proposal title
observer	Dr Beate Stelzer	Principal investigator
object	Z CMa	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	105.93	Observer's specified target RA [deg]
dec_targ	-11.551722	Observer's specified target Dec [deg]
ra_nom	105.9335568356	Nominal RA [deg]
dec_nom	-11.54834398363	Nominal Dec [deg]
roll_nom	12.511822569804	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40134.399850547	Sum of GTIs [s]
livetime	39626.193913605	Livetime [s]
ontime2	40131.158840299	Sum of GTIs [s]
ontime3	40131.158819735	Sum of GTIs [s]
ontime5	40134.399850547	Sum of GTIs [s]
ontime6	40131.158830345	Sum of GTIs [s]
ontime7	40134.399850547	Sum of GTIs [s]
ontime8	40131.158860326	Sum of GTIs [s]
l2events	527104	Number of level 2 events



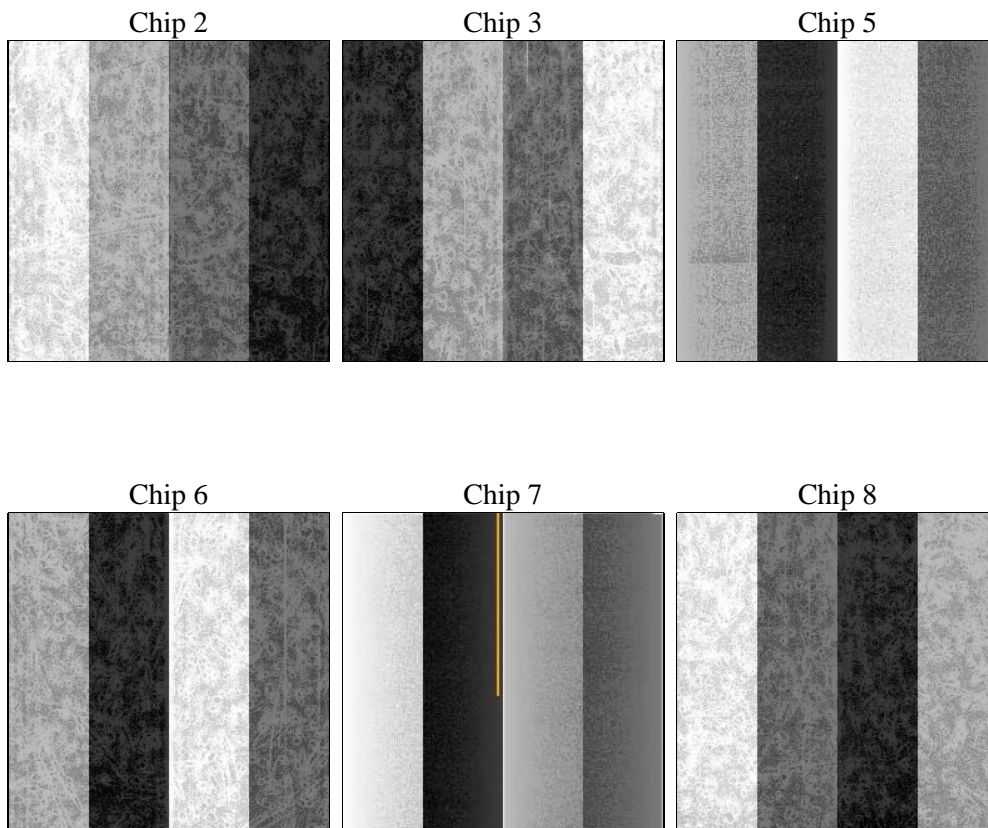
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	40134.399850547	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	40131.158840299	Sum of GTIs [s]
date	2012-05-29T19:07:54	Date and time of file creation	ontime3	40131.158819735	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	40134.399850547	Sum of GTIs [s]
			ontime6	40131.158830345	Sum of GTIs [s]
			ontime7	40134.399850547	Sum of GTIs [s]
			ontime8	40131.158860326	Sum of GTIs [s]
			l1events	2374034	Number of level 1 events

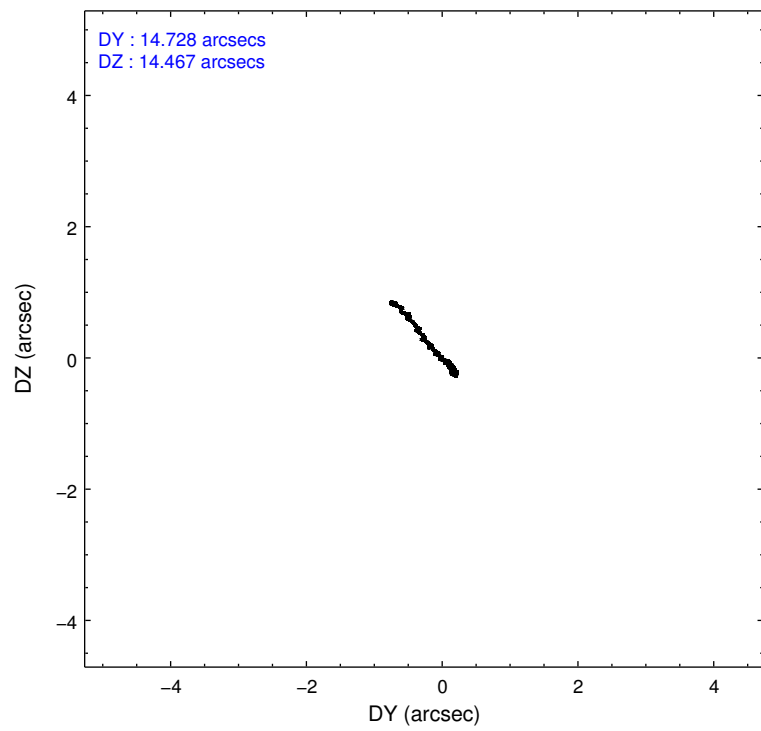
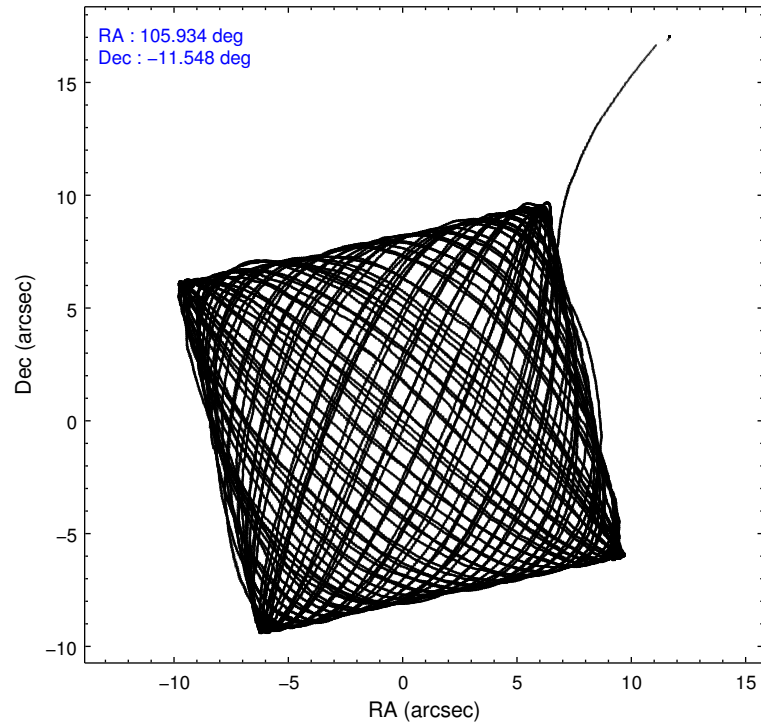
2.1.4 Events

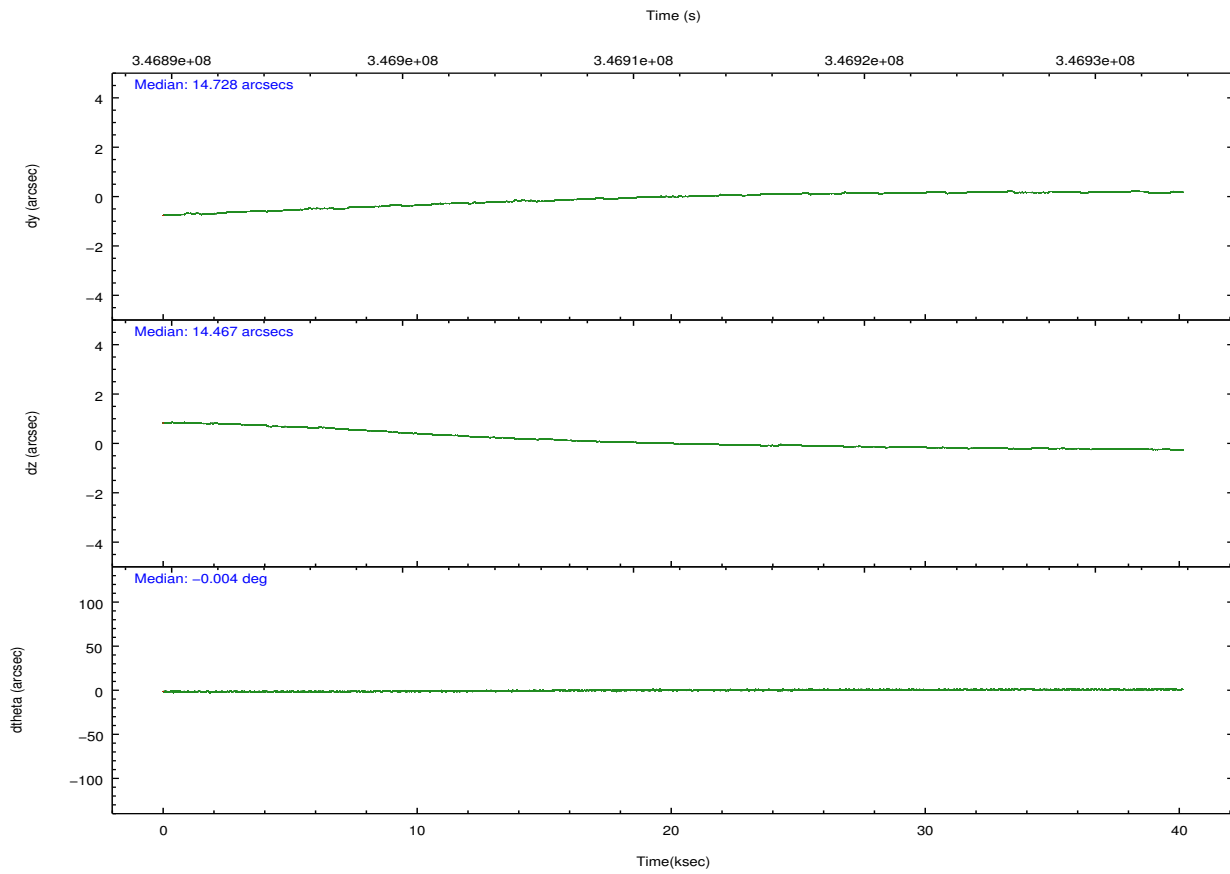
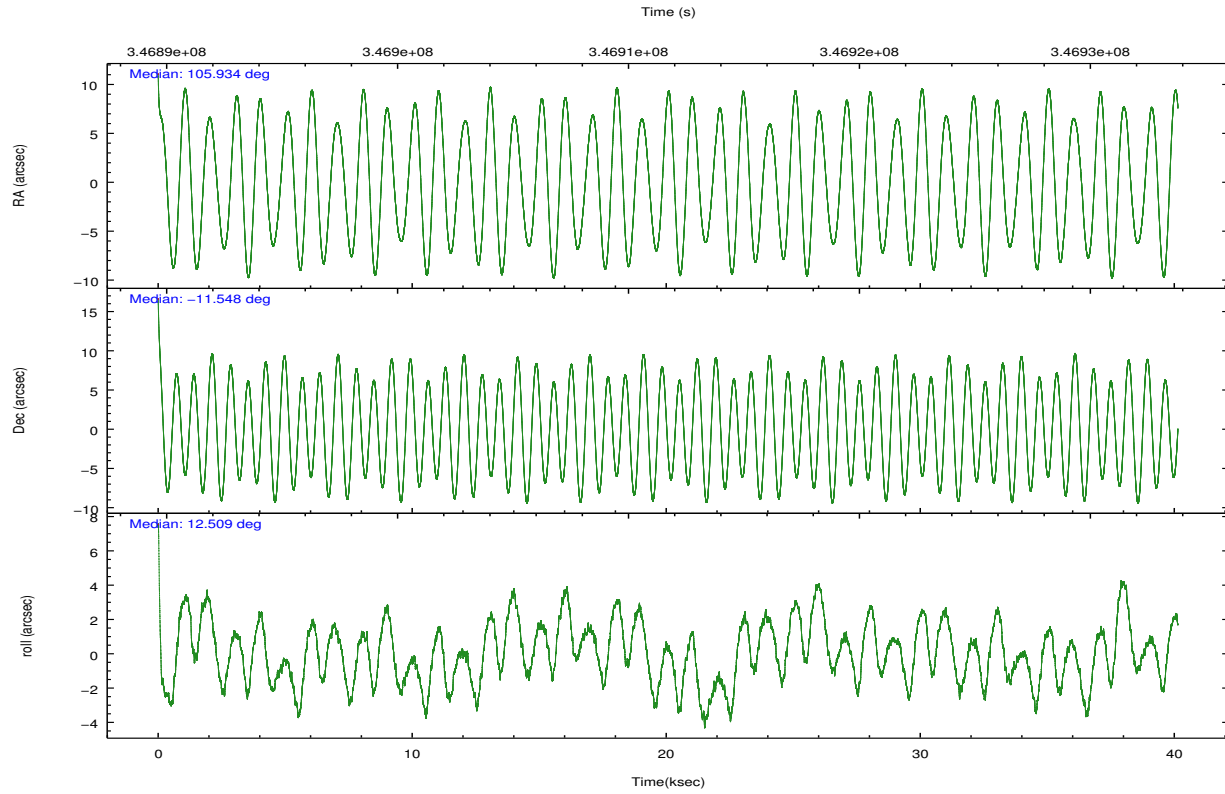
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	360281	330163	503405	353687	391473	435025	grade 0 events	12769	11306	39245	16599	16874	31200
rejected events	325599	298224	246118	313076	213433	328206		3%	3%	7%	4%	4%	7%
rejected %	90%	90%	48%	88%	54%	75%	grade 1 events	211	210	899	183	519	358
								0%	0%	0%	0%	0%	0%
							grade 2 events	8353	7171	73824	8513	36627	25068
								2%	2%	14%	2%	9%	5%
							grade 3 events	3673	3654	10442	3989	16550	11760
								1%	1%	2%	1%	4%	2%
							grade 4 events	3710	3531	9878	3821	16052	10893
								1%	1%	1%	1%	4%	2%
							grade 5 events	12029	13864	38876	14236	40864	20181
								3%	4%	7%	4%	10%	4%
							grade 6 events	6363	6481	125310	7910	92967	28396
								1%	1%	24%	2%	23%	6%
							grade 7 events	313173	283946	204931	298436	171020	307169
								86%	86%	40%	84%	43%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	105.913230	105.9335568355955	CCD I2 on	O4	Y
[deg] Pointing Dec	-11.567092	-11.5483439836301	CCD I3 on	O3	Y
[deg] Pointing Roll	12.351118	12.51182256980447	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	346891792.184000	346890574.1471	CCD S5 on	N	N
Observation start date	2008-12-28T22:48:47	2008-12-28T22:29:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	346931792.184000	346932713.94919	On-chip summing requested	N	N
Observation end date	2008-12-29T09:55:27	2008-12-29T10:11:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



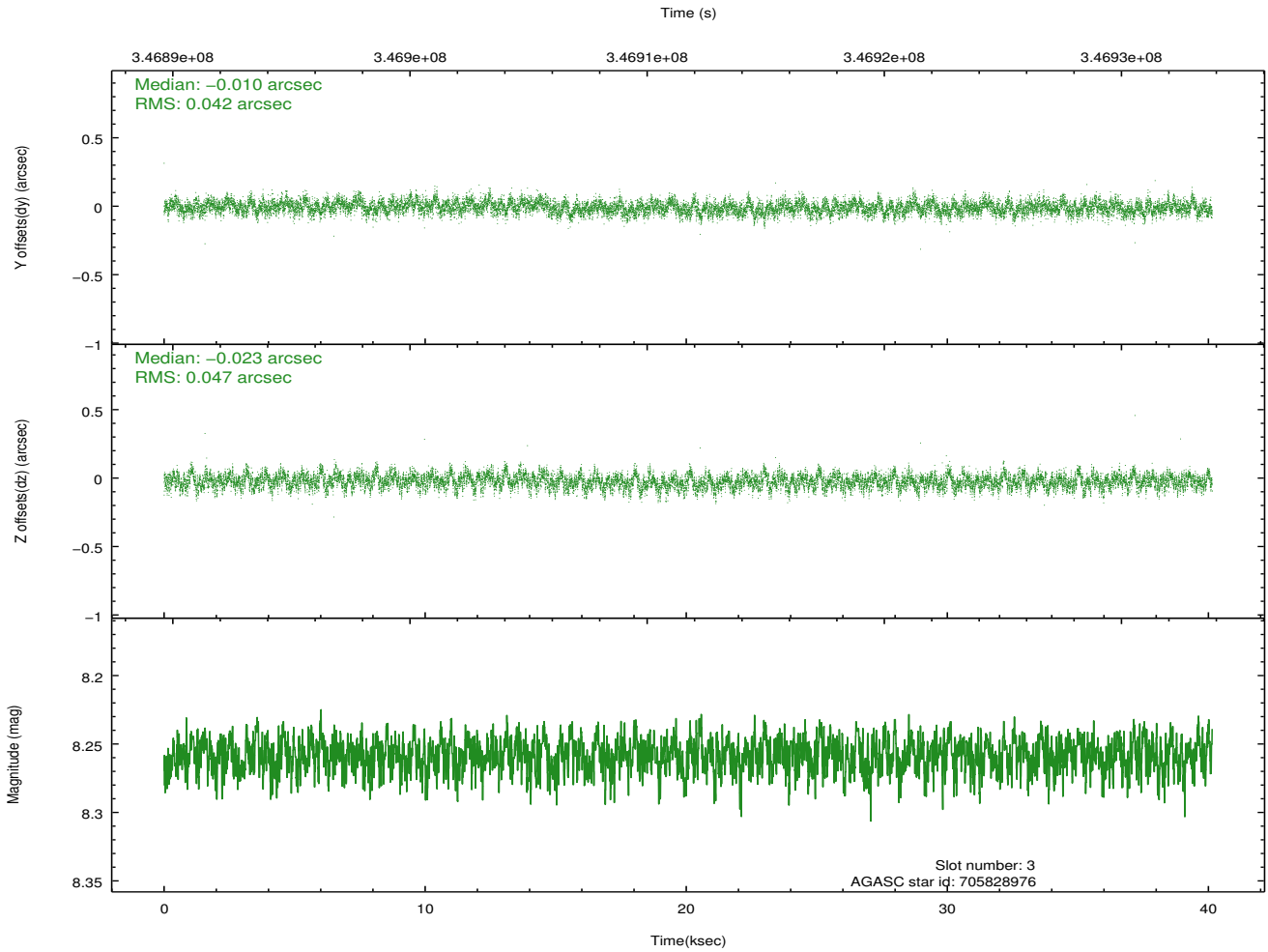
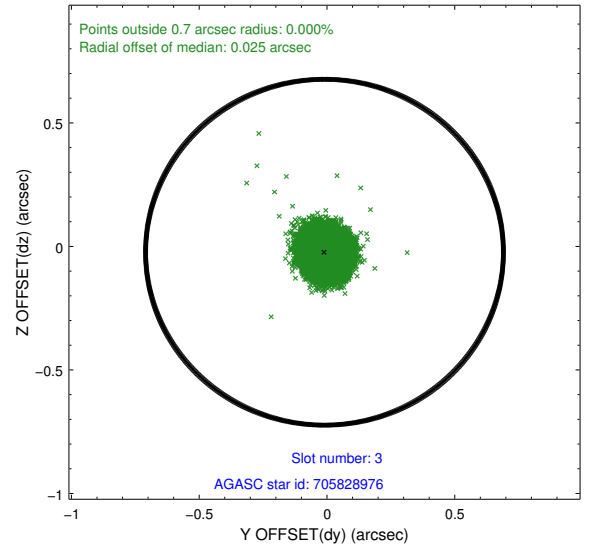
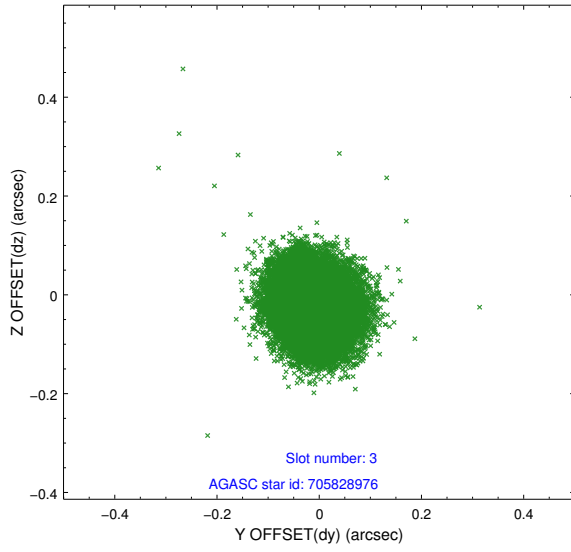


Slot Statistics

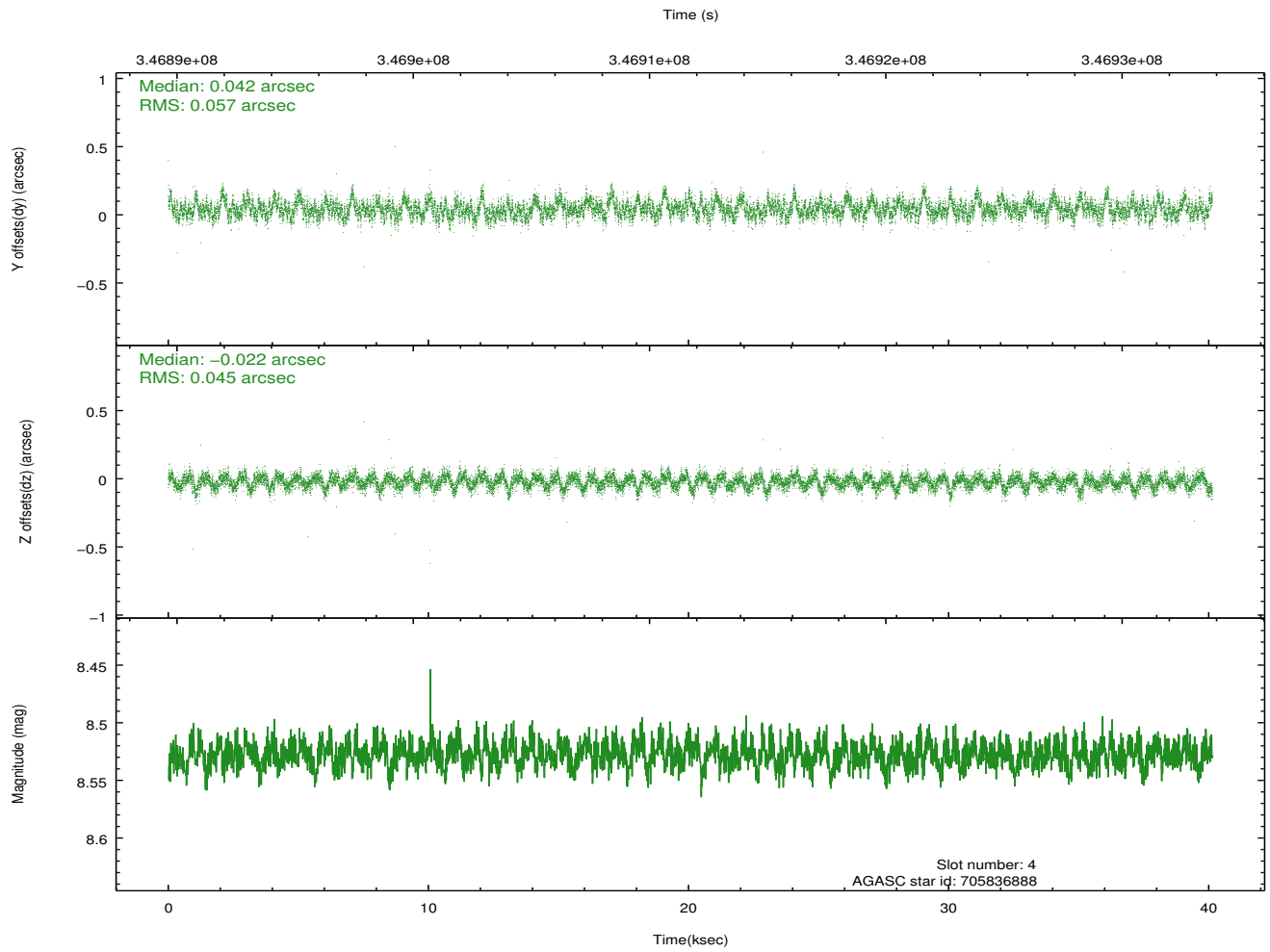
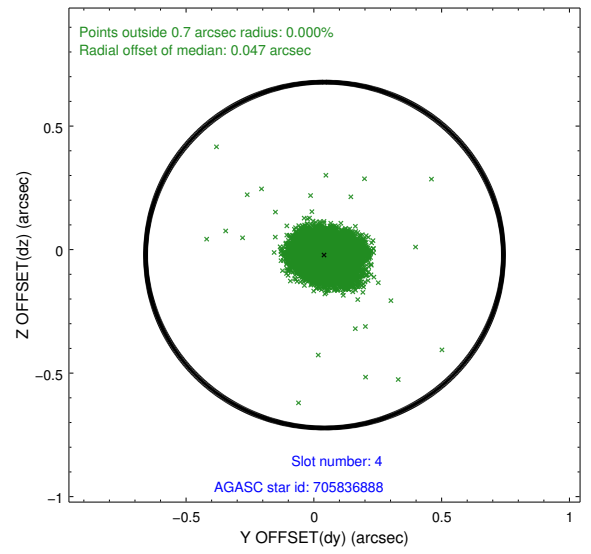
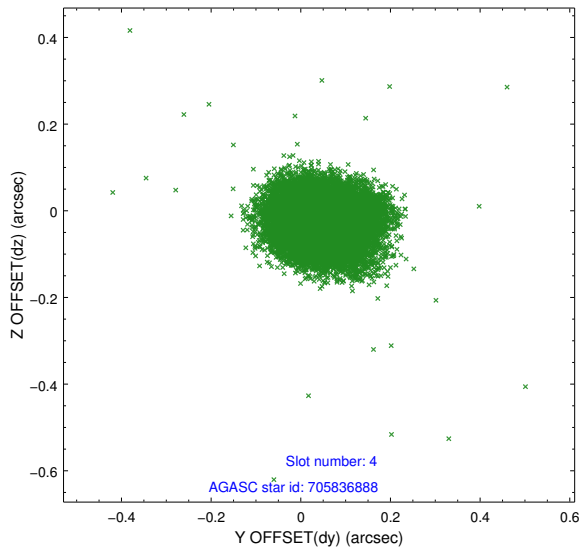
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	9791	-0.076	-0.024	0.008	0.015	0.000000	0.000000	-767.65	-1735.99
1	FID	ACIS-S-4	6.97	9791	0.179	0.043	0.020	0.031	0.000000	0.000000	2145.87	172.55
2	FID	ACIS-S-5	7.00	9791	-0.133	-0.010	0.025	0.037	0.000000	0.000000	-1820.54	166.17
3	GUIDE	705828976	8.26	19575	-0.010	-0.023	0.068	0.108	106.362000	-10.829107	2118.15	2254.96
4	GUIDE	705836888	8.53	19571	0.042	-0.022	0.076	0.124	105.340597	-11.232126	-1717.75	1608.62
5	GUIDE	706348728	8.47	19578	-0.066	-0.014	0.061	0.099	106.190102	-11.258392	1192.42	876.34
6	GUIDE	706366008	8.38	19507	0.050	0.013	0.072	0.118	105.814268	-12.218973	-841.91	-2217.87
7	GUIDE	705704632	8.23	19573	-0.020	0.051	0.062	0.105	105.156726	-11.245855	-2362.84	1697.68

2.4 Star Slots

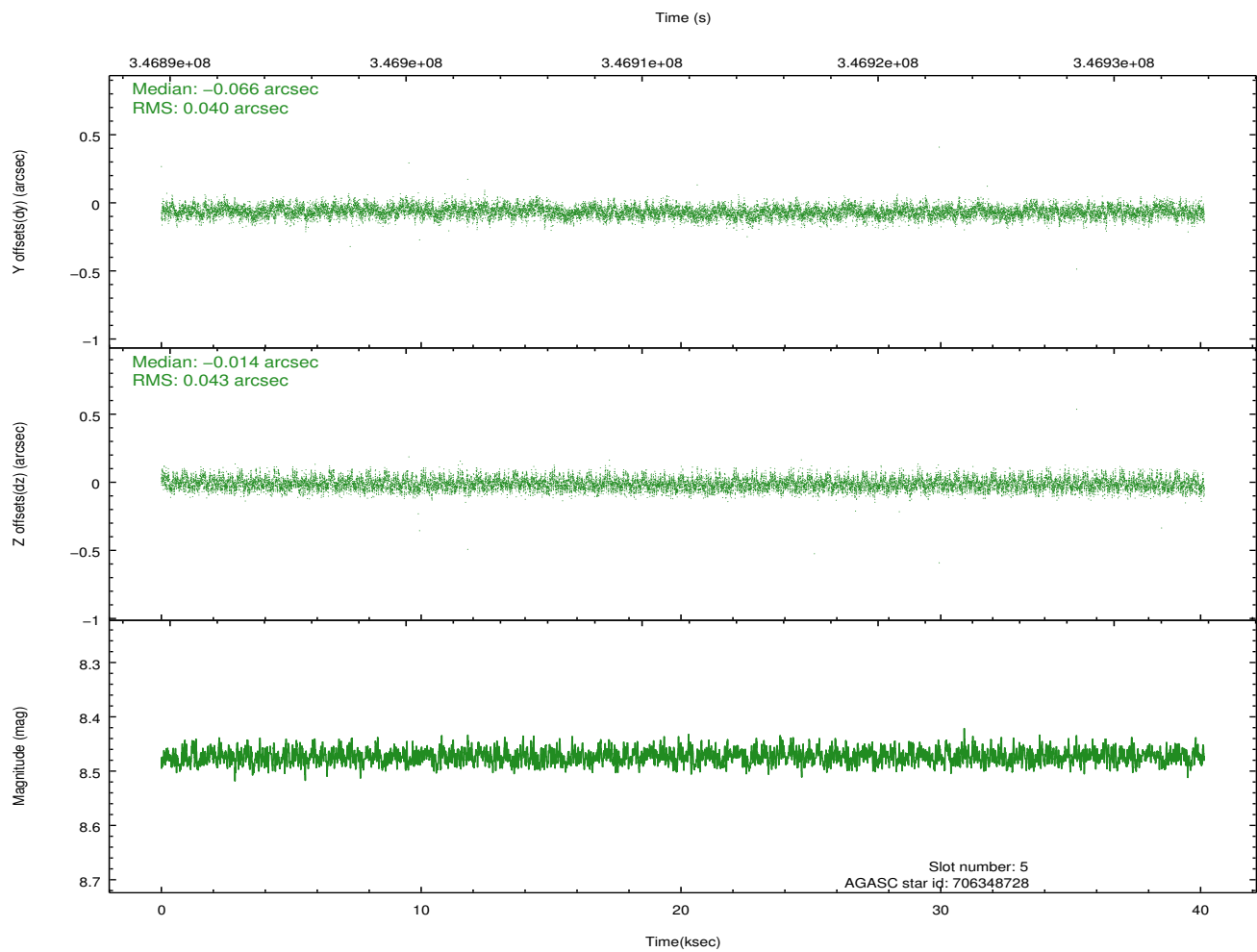
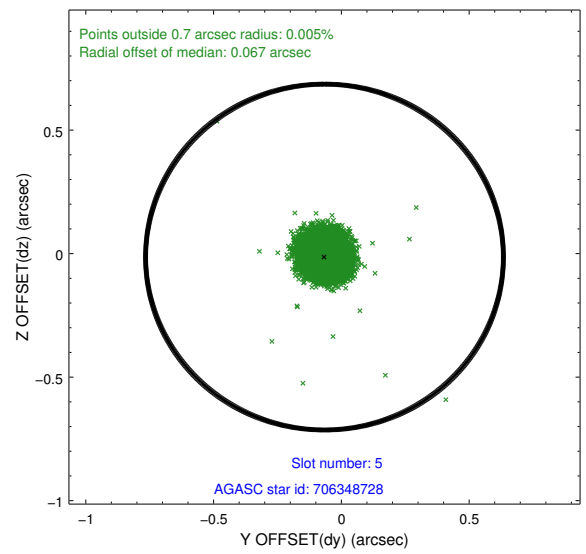
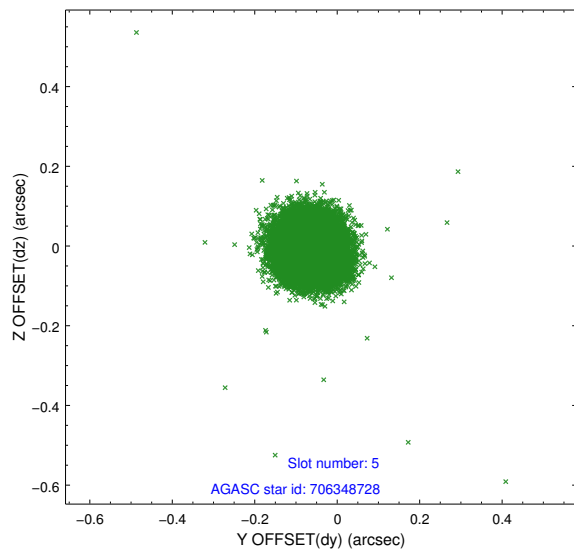
2.4.1 Slot 3



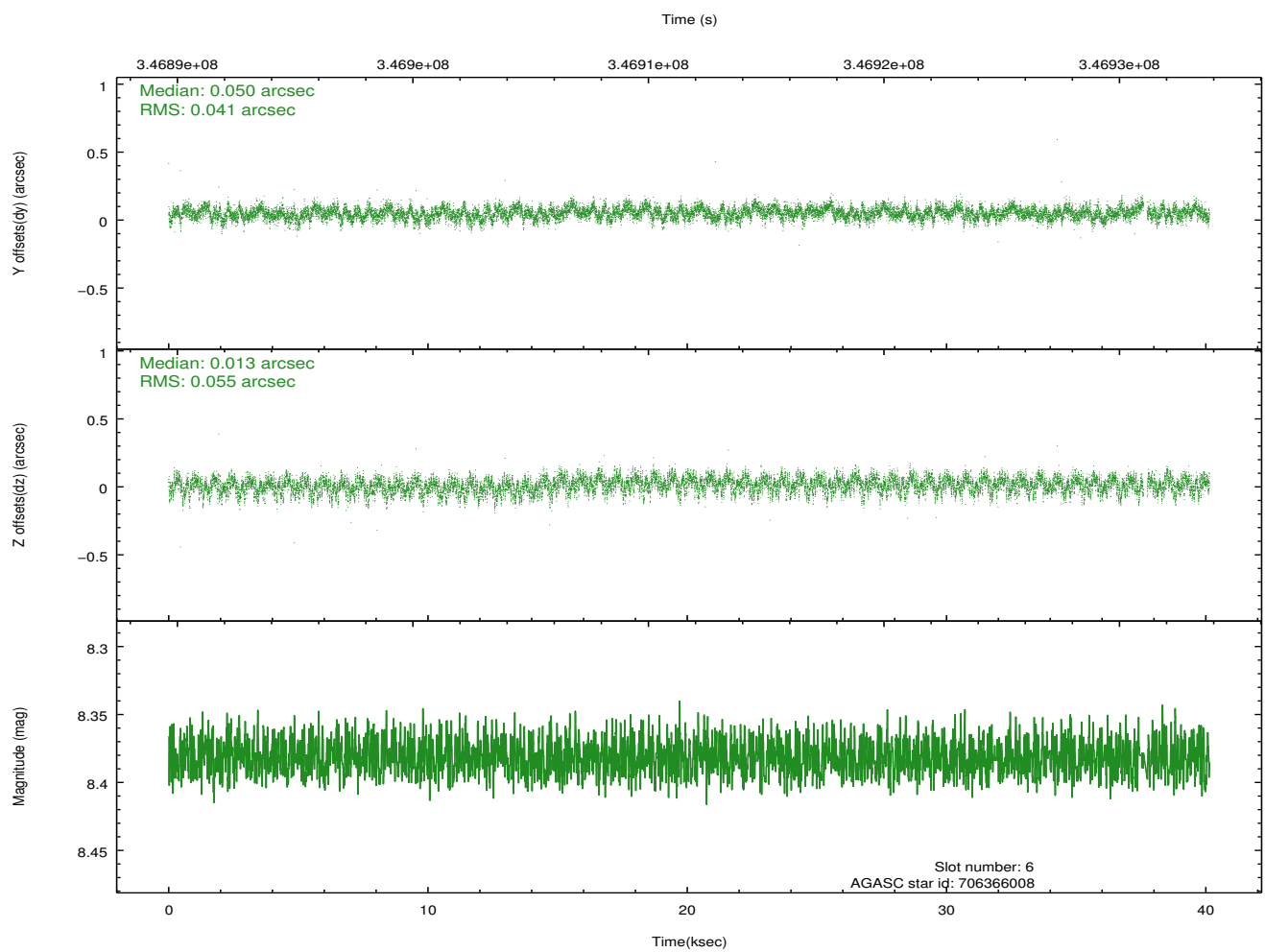
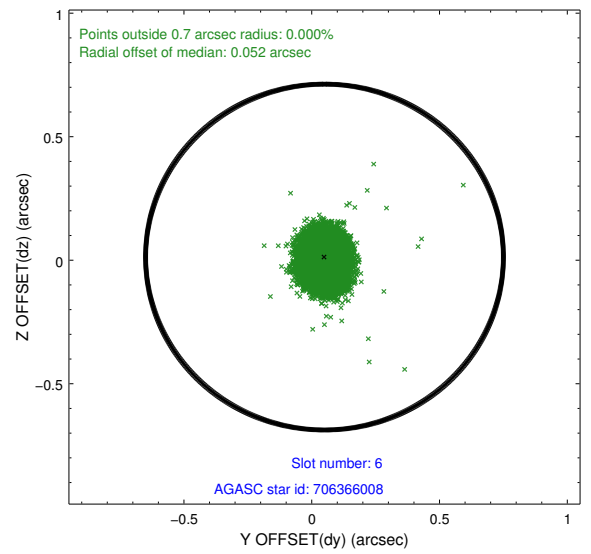
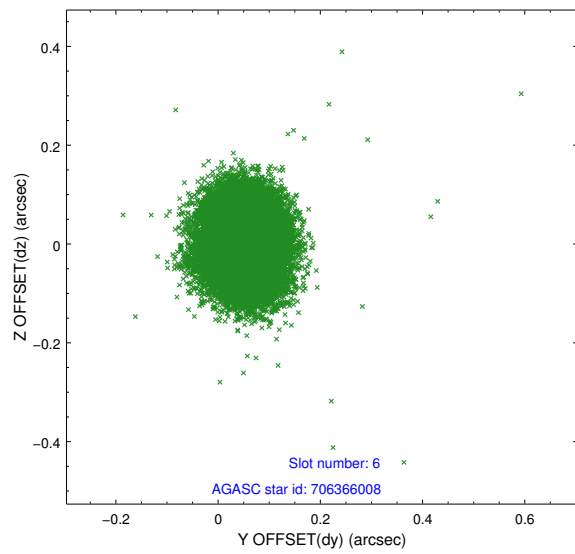
2.4.2 Slot 4



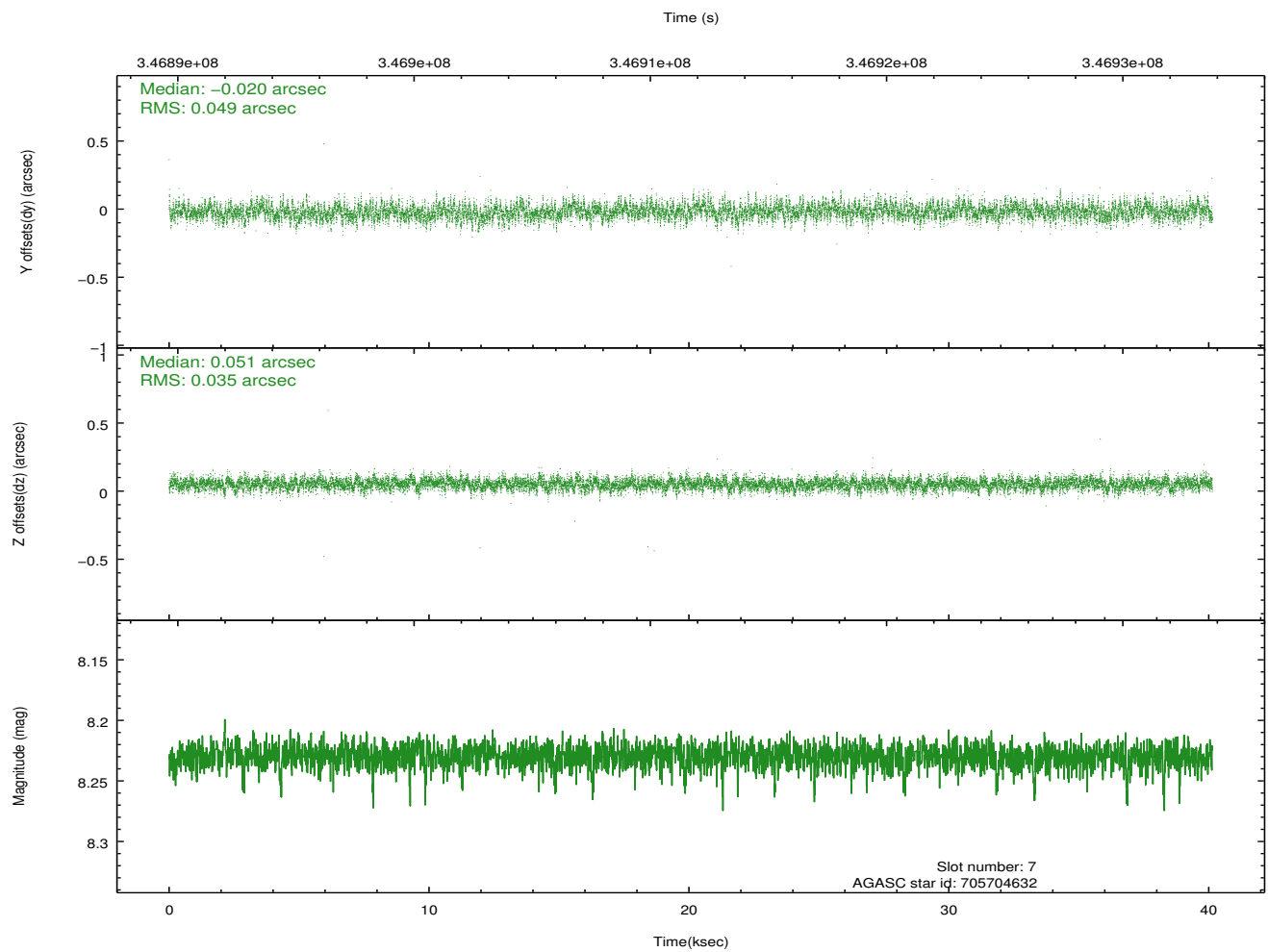
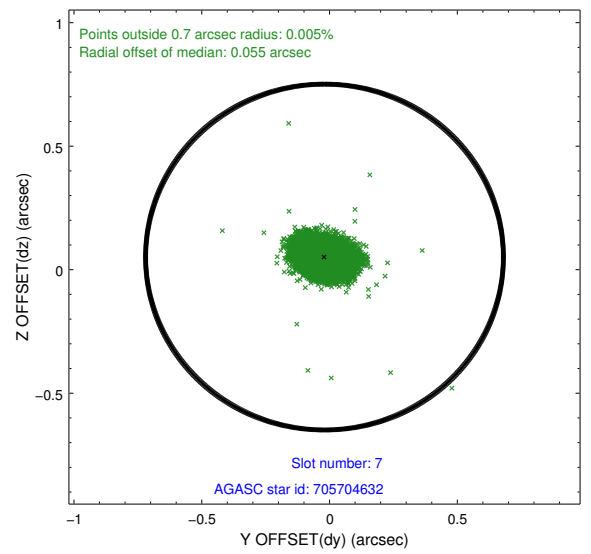
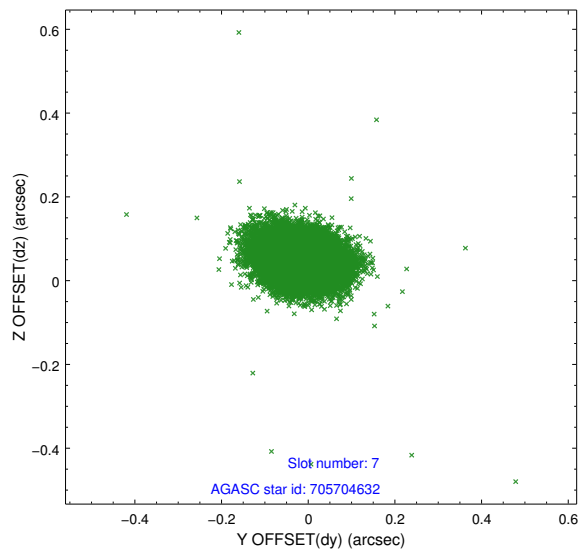
2.4.3 Slot 5



2.4.4 Slot 6

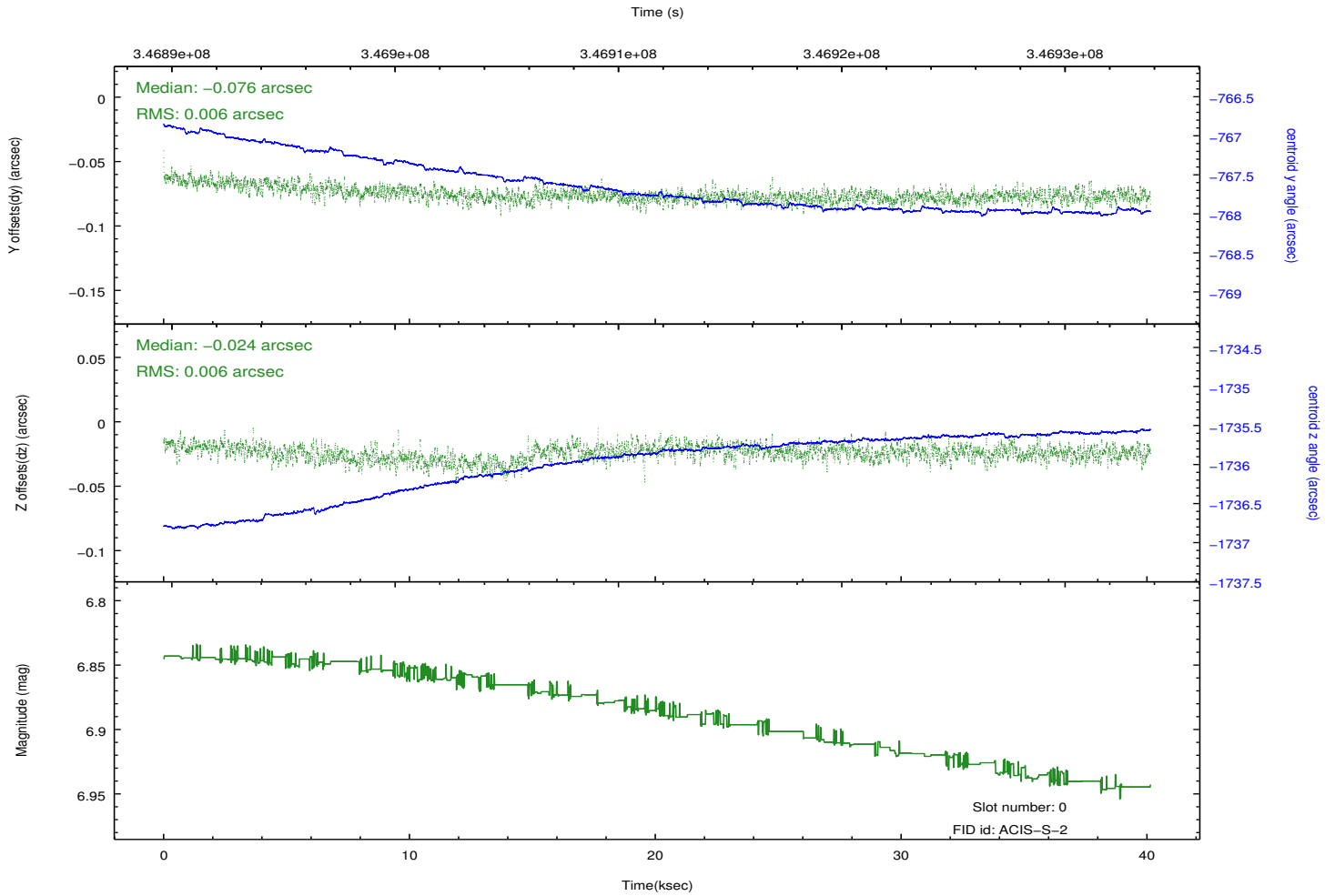
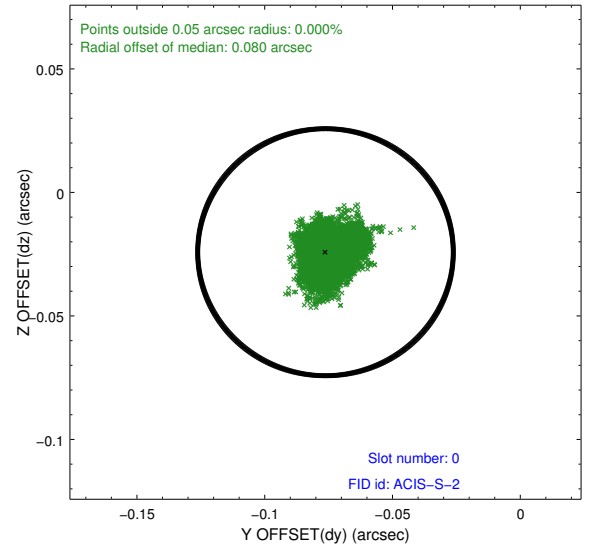
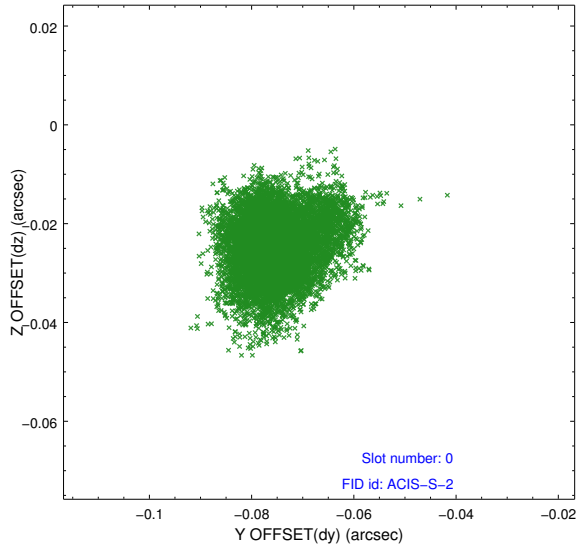


2.4.5 Slot 7

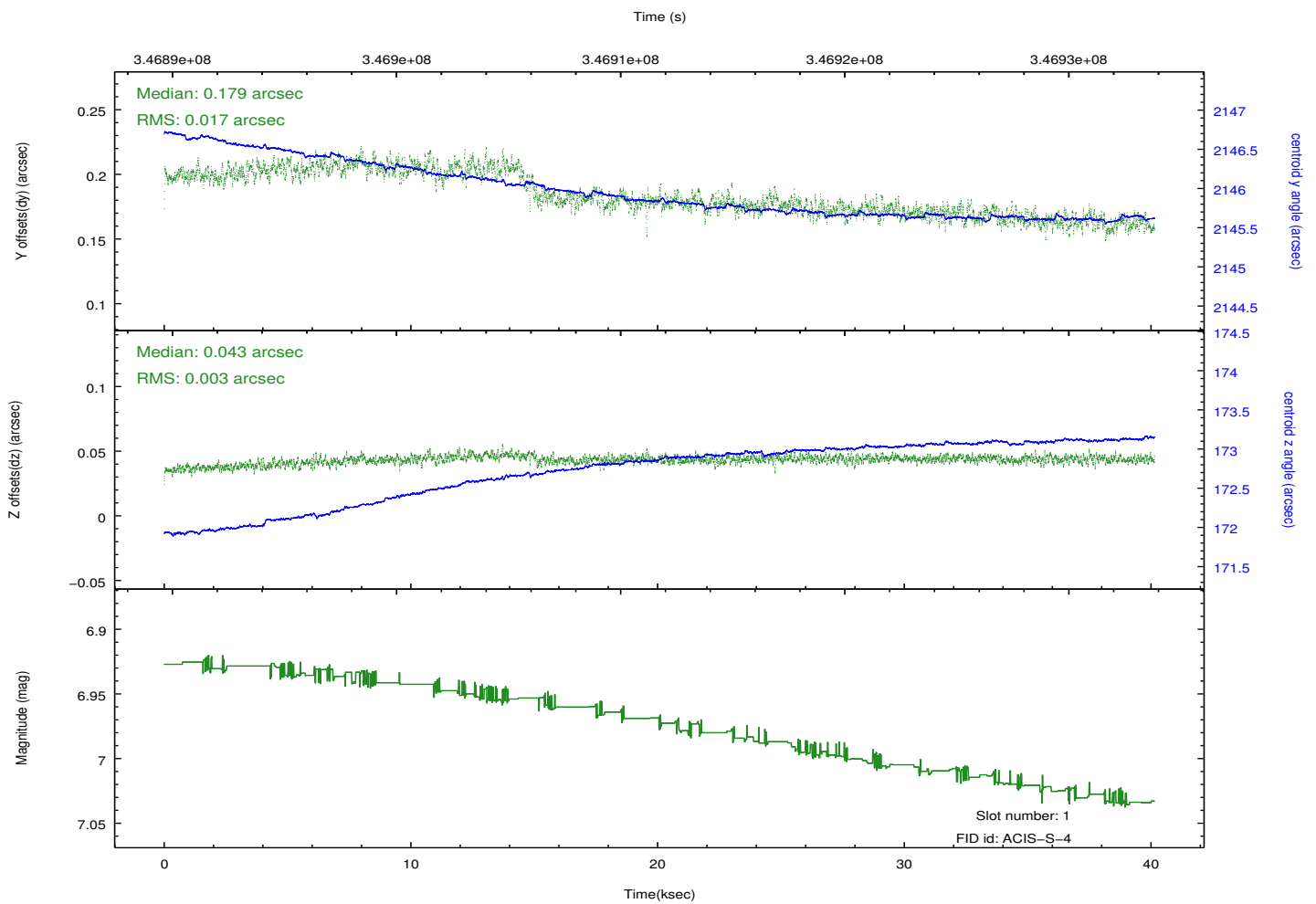
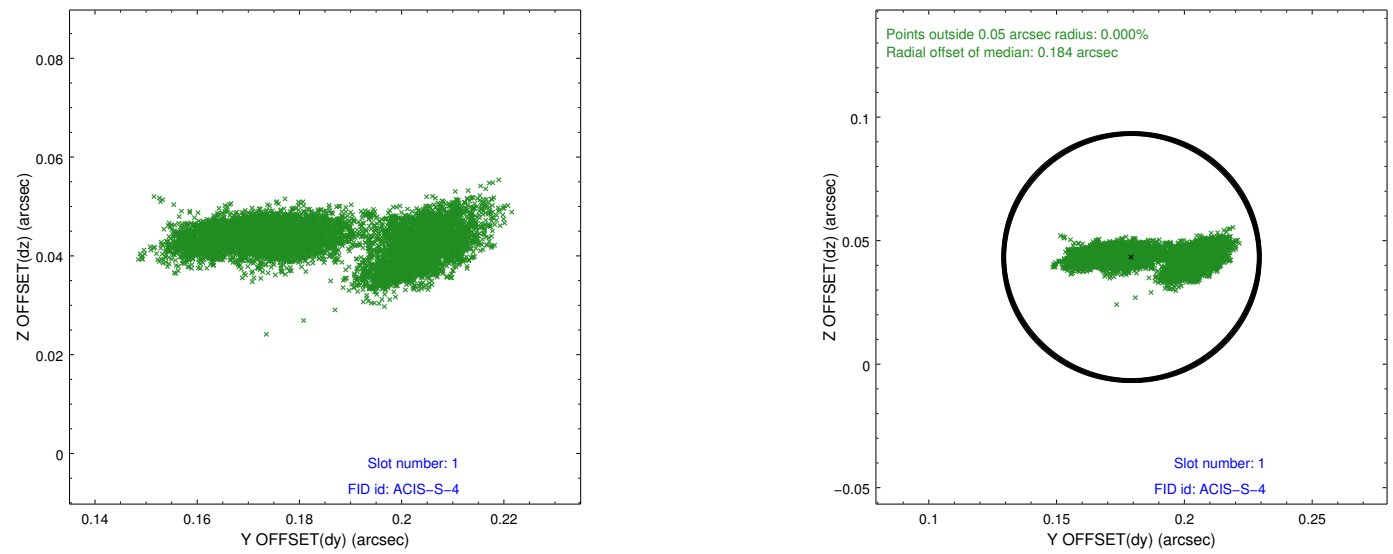


2.5 FID Slots

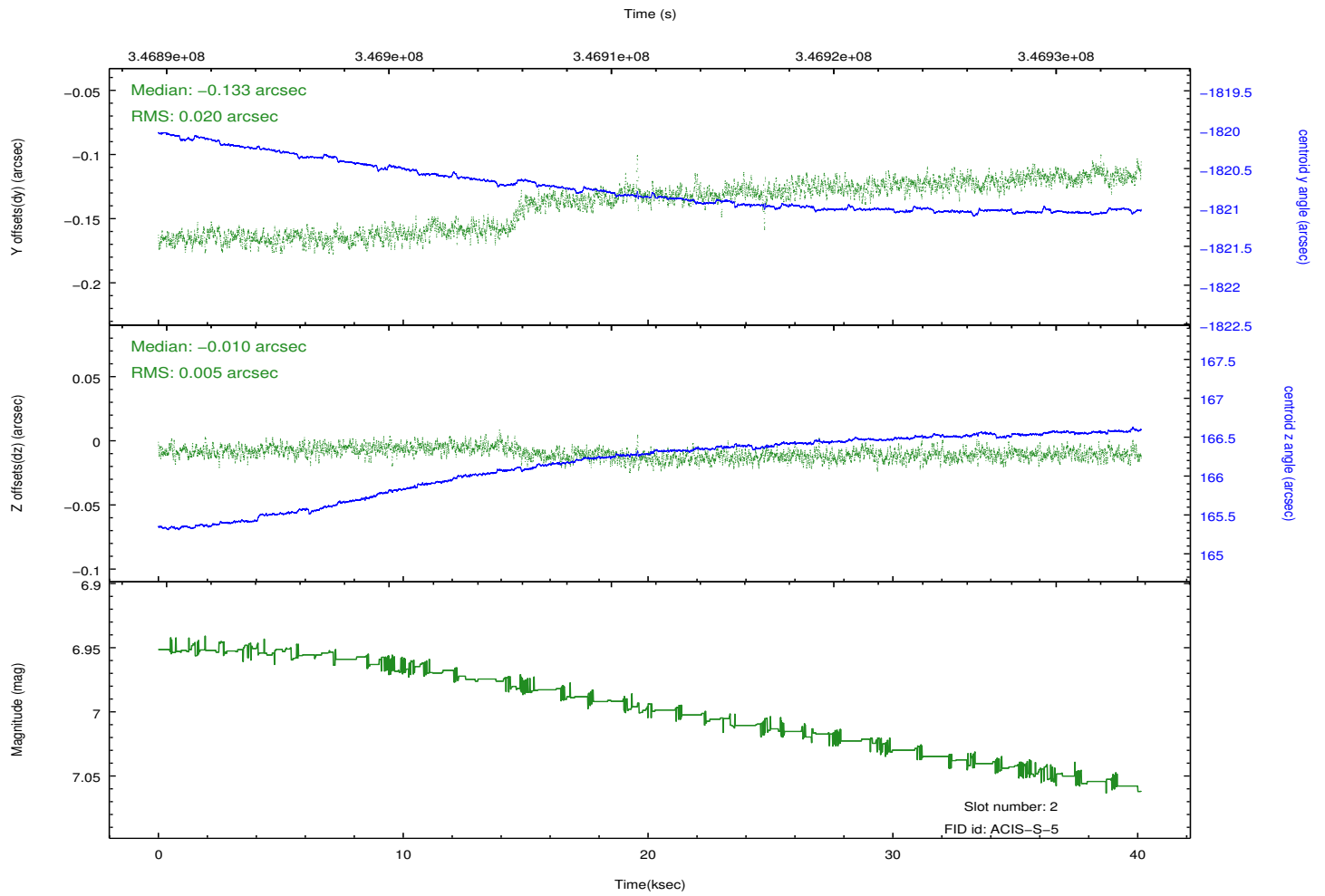
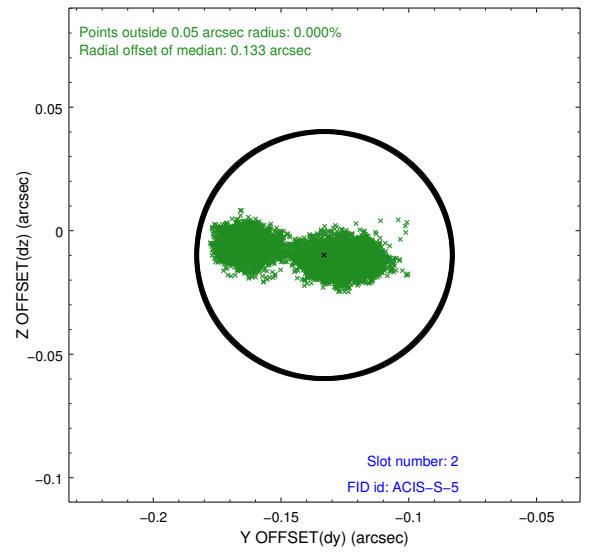
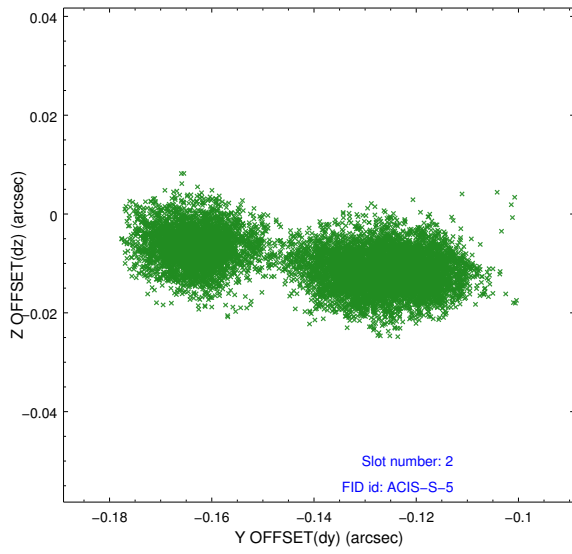
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.1343998

A.2 Comments