

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10529 - L2 Version 2
Chandra X-Ray Center

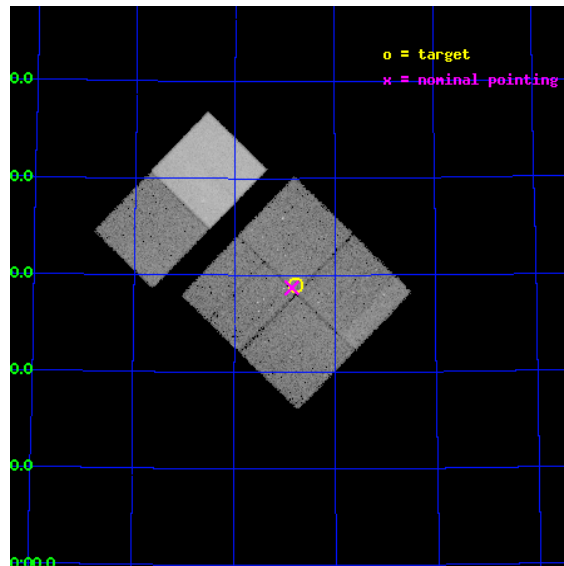
L2 Processing Date : Jun 7 2012

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1 Front

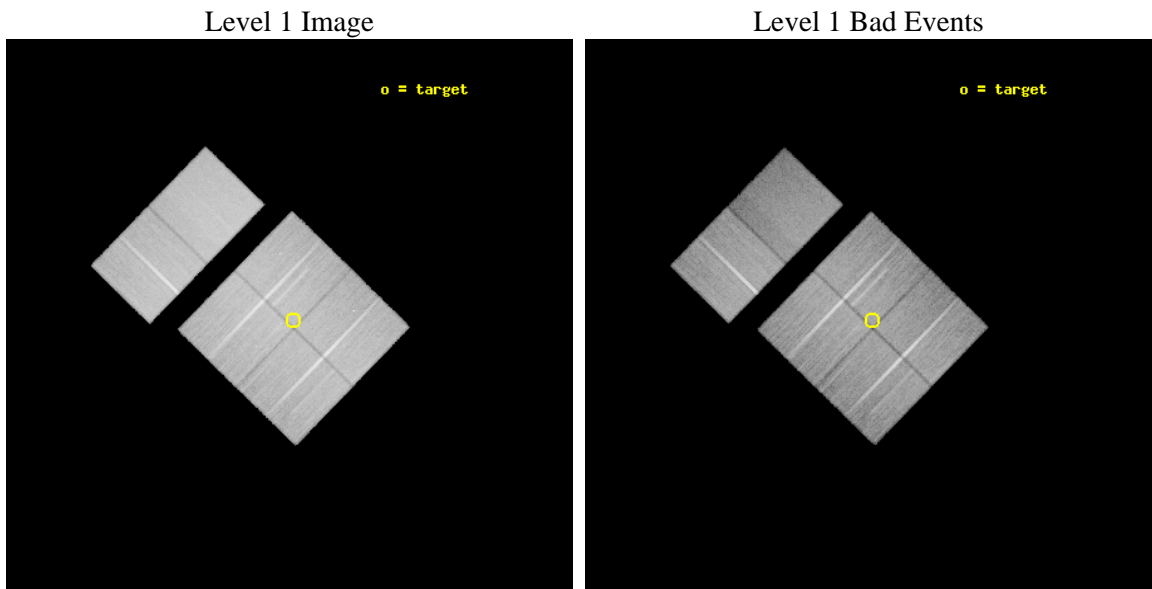
seq_num	600722	Sequence number
obs_id	10529	Observation id
title	The Baryons Content of the Most Massive Spiral Galaxy	Proposal tit
observer	Dr. Joel Bregman	Principal investigator
object	NGC 1961	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	85.1948	Observer's specified target RA [deg]
dec_targ	69.482478	Observer's specified target Dec [deg]
ra_nom	85.215016440643	Nominal RA [deg]
dec_nom	69.478621859363	Nominal Dec [deg]
roll_nom	314.18975217899	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31753.169244587	Sum of GTIs [s]
livetime	31351.091496149	Livetime [s]
ontime0	31753.046124578	Sum of GTIs [s]
ontime1	31753.087144613	Sum of GTIs [s]
ontime2	31753.128184617	Sum of GTIs [s]
ontime3	31753.169244587	Sum of GTIs [s]
ontime6	31743.528473437	Sum of GTIs [s]
ontime7	31753.210284591	Sum of GTIs [s]
l2events	257325	Number of level 2 events



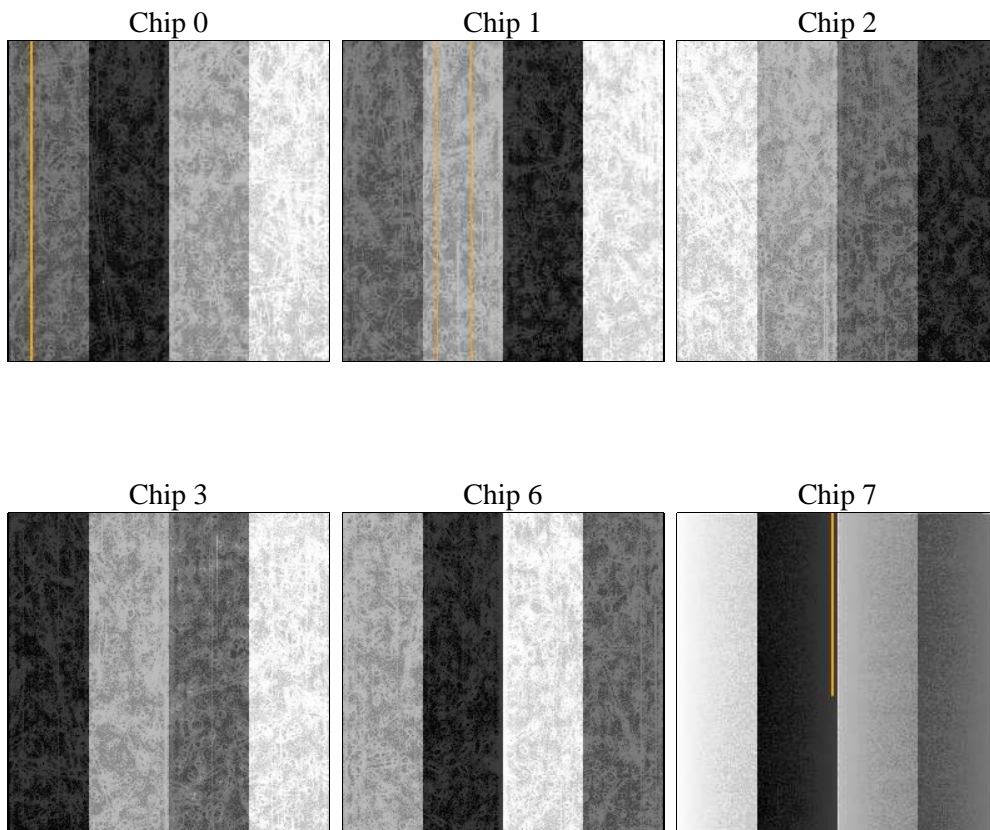
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	31753.169244587	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	31753.046124578	Sum of GTIs [s]
date	2012-06-07T01:14:07	Date and time of file creation	ontime1	31753.087144613	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	31753.128184617	Sum of GTIs [s]
			ontime3	31753.169244587	Sum of GTIs [s]
			ontime6	31743.528473437	Sum of GTIs [s]
			ontime7	31753.210284591	Sum of GTIs [s]
			l1events	1677912	Number of level 1 events

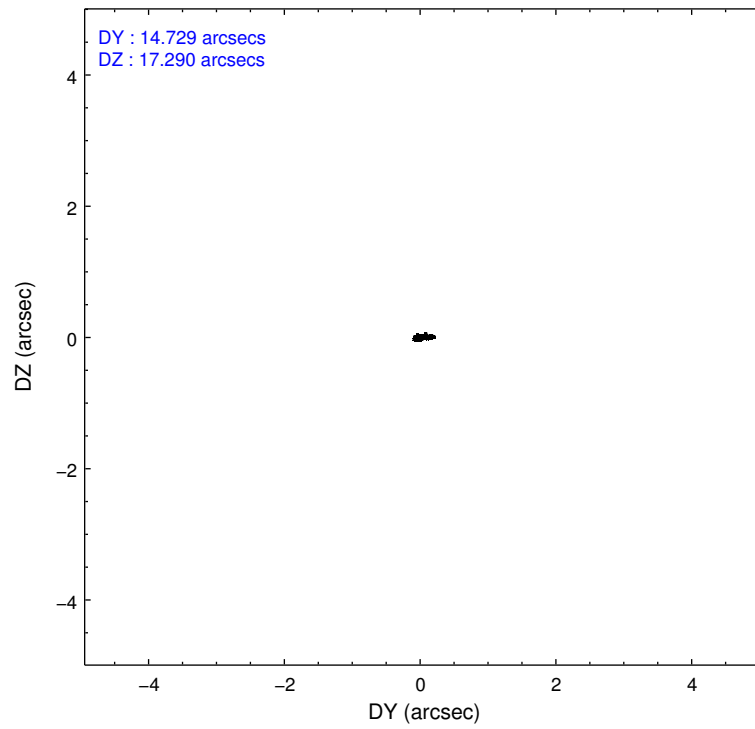
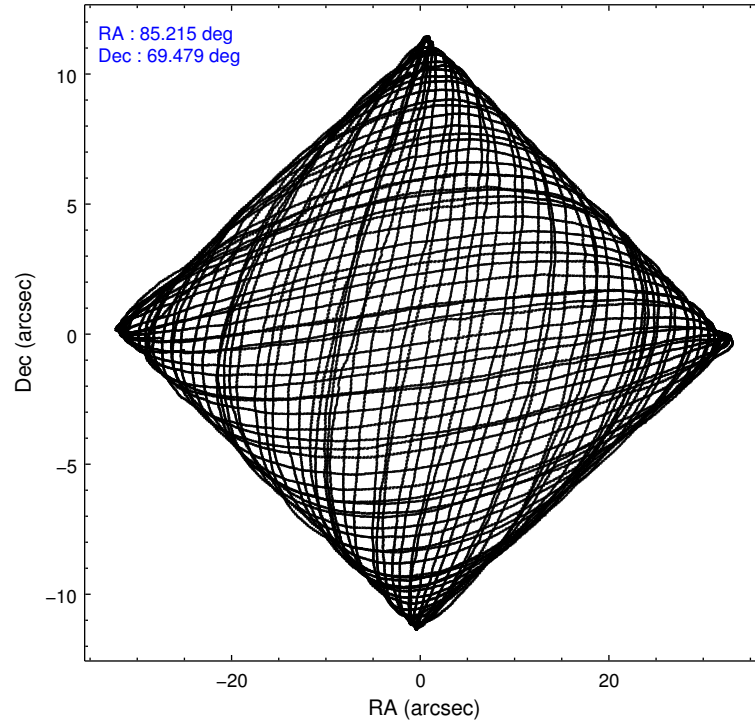
2.1.4 Events

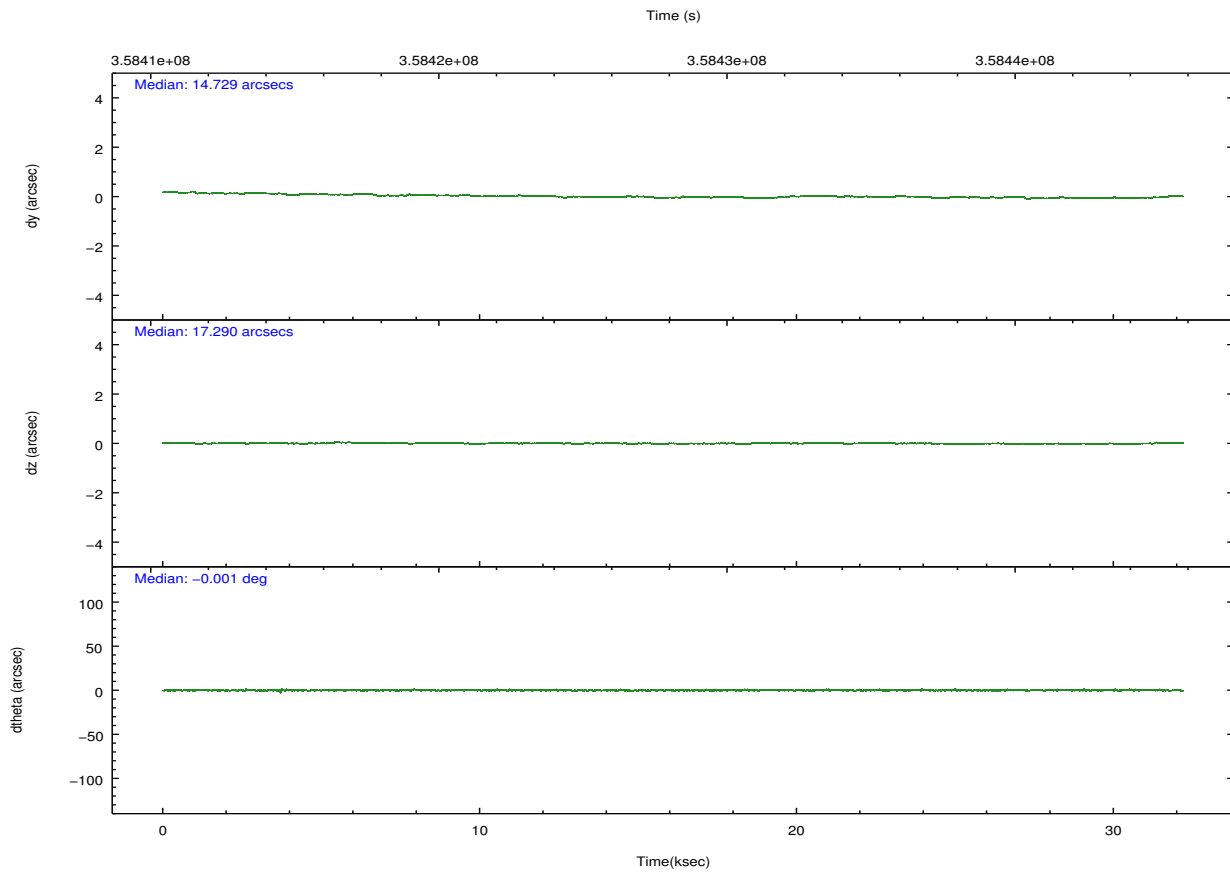
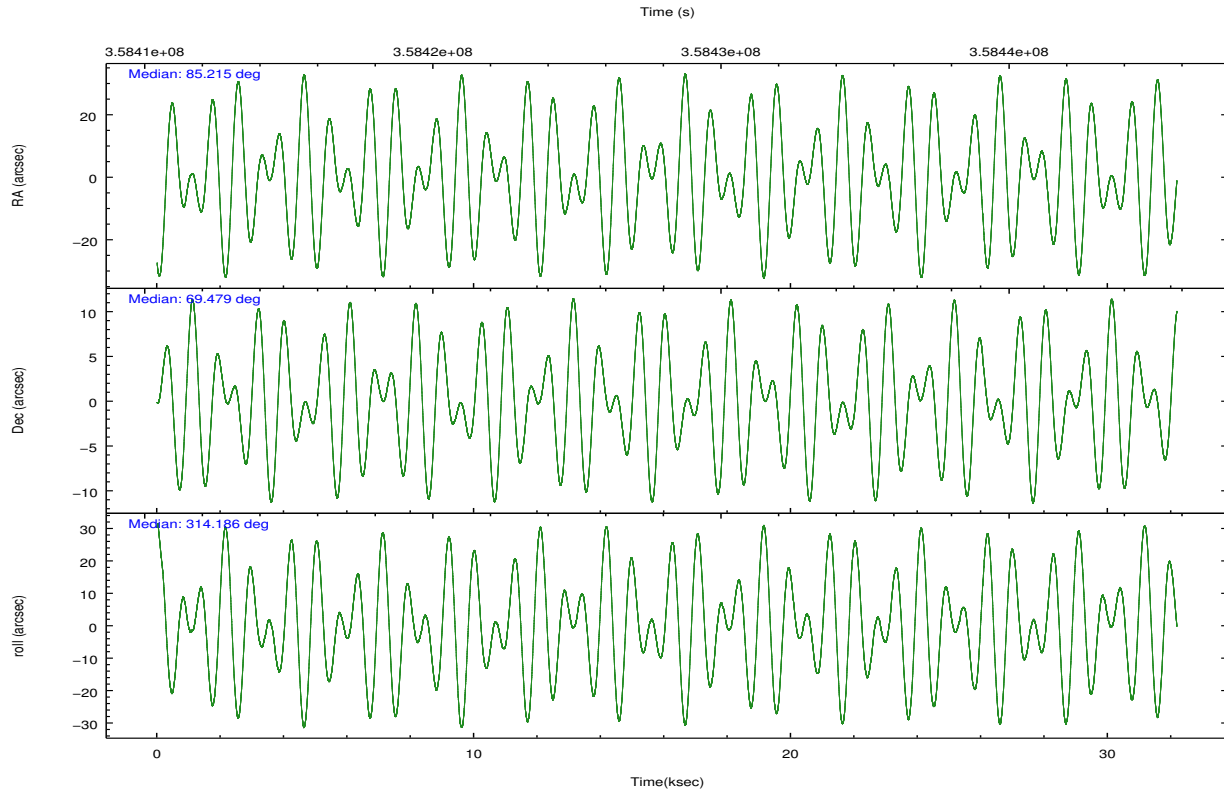
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	252924	259726	288008	273009	290710	313535	grade 0 events	9808	11861	10132	9134	10031	12853
rejected events	225075	227785	260159	246670	261434	170986		3%	4%	3%	3%	3%	4%
rejected %	88%	87%	90%	90%	89%	54%	grade 1 events	159	139	146	159	172	441
								0%	0%	0%	0%	0%	0%
							grade 2 events	6771	7294	6743	6000	6669	29309
								2%	2%	2%	2%	2%	9%
							grade 3 events	3124	3287	2991	2952	3160	12899
								1%	1%	1%	1%	1%	4%
							grade 4 events	2795	3255	2895	2947	3036	12575
								1%	1%	1%	1%	1%	4%
							grade 5 events	9728	10742	9404	11420	11576	33029
								3%	4%	3%	4%	3%	10%
							grade 6 events	5361	6246	5093	5311	6385	74940
								2%	2%	1%	1%	2%	23%
							grade 7 events	215178	216902	250604	235086	249681	137489
								85%	83%	87%	86%	85%	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	85.139483	85.21501644064334	CCD I2 on	Y	Y
[deg] Pointing Dec	69.485993	69.47862185936279	CCD I3 on	Y	Y
[deg] Pointing Roll	314.051808	314.189752178992	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	Y	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	358412229.184000	358411852.49412	CCD S5 on	N	N
Observation start date	2009-05-11T06:56:03	2009-05-11T06:50:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	358444229.184000	358444951.28327	On-chip summing requested	N	N
Observation end date	2009-05-11T15:49:23	2009-05-11T16:02:31	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



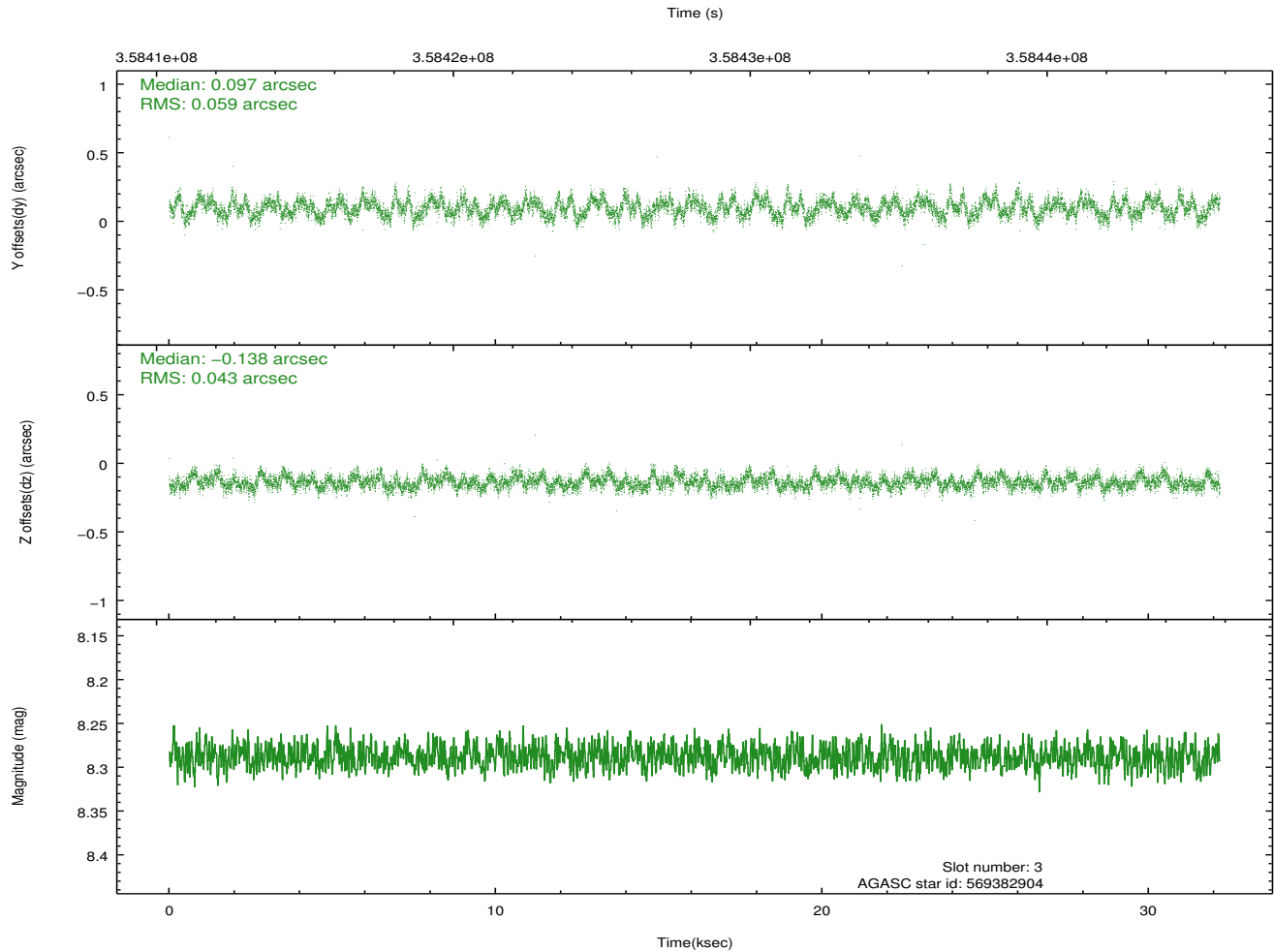
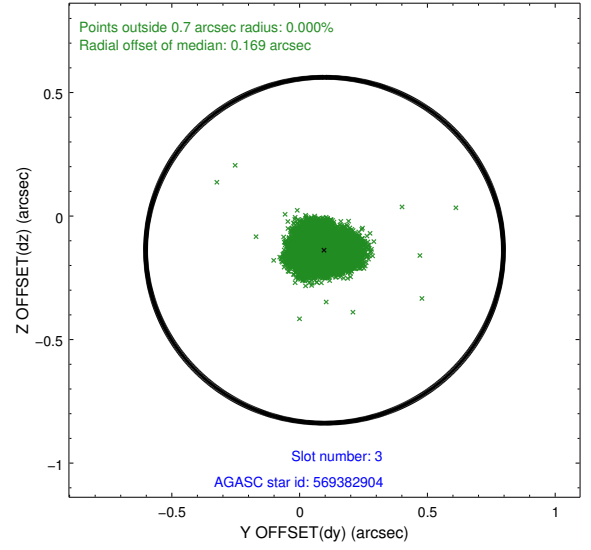
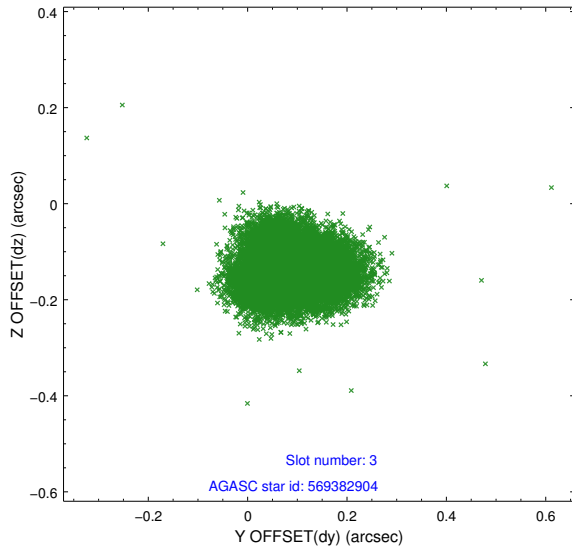


Slot Statistics

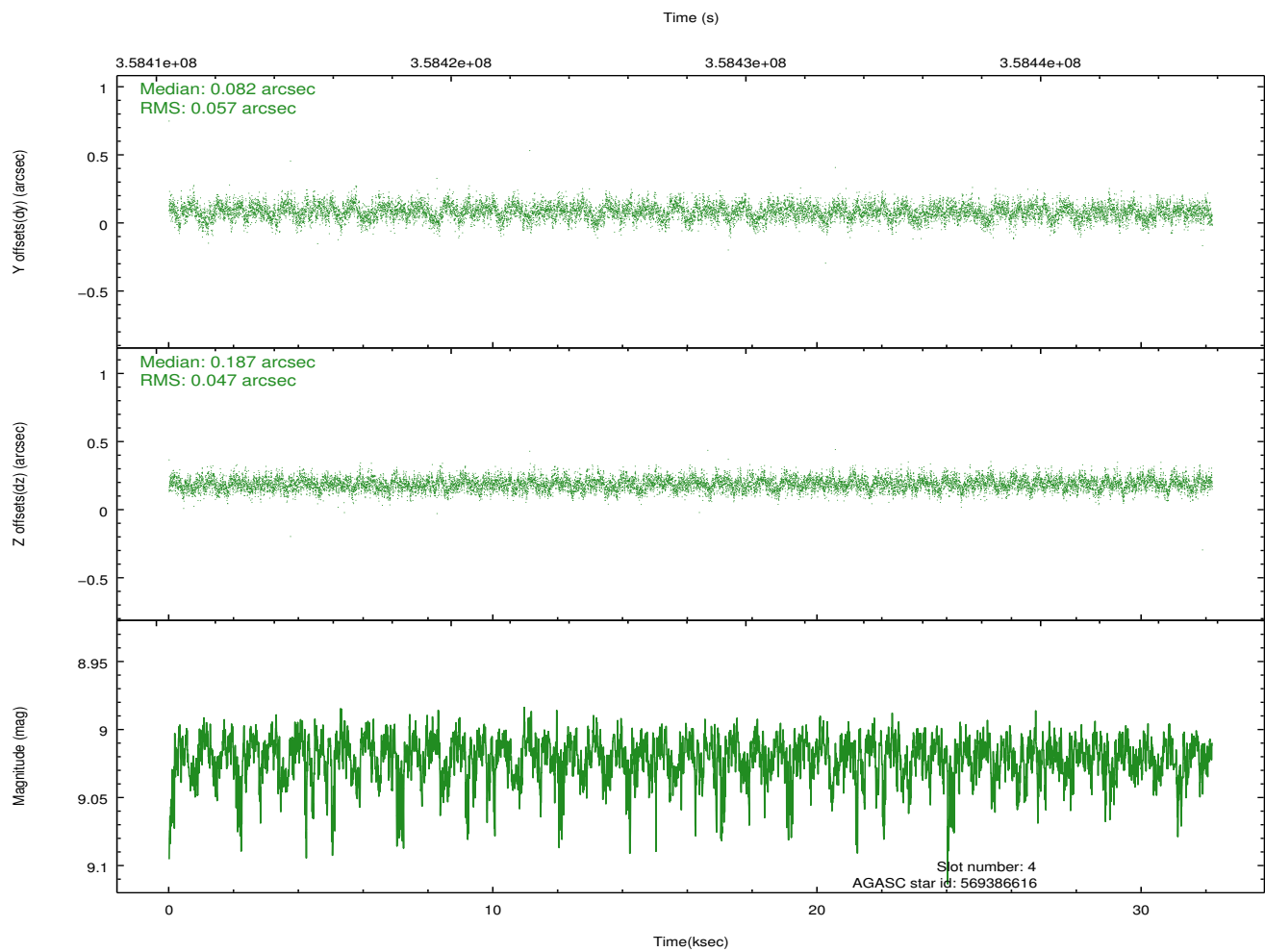
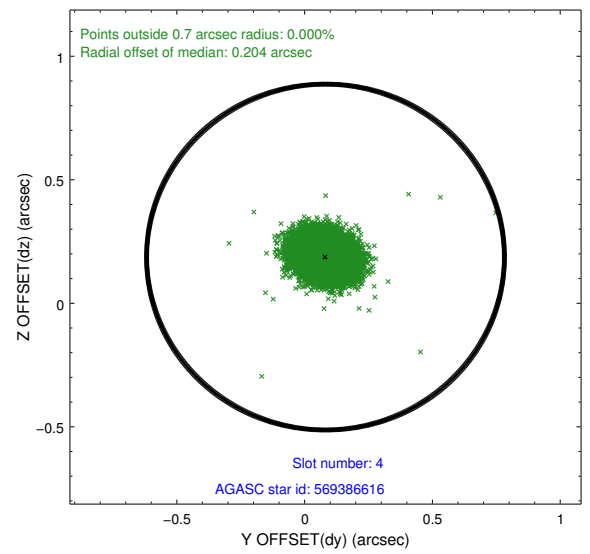
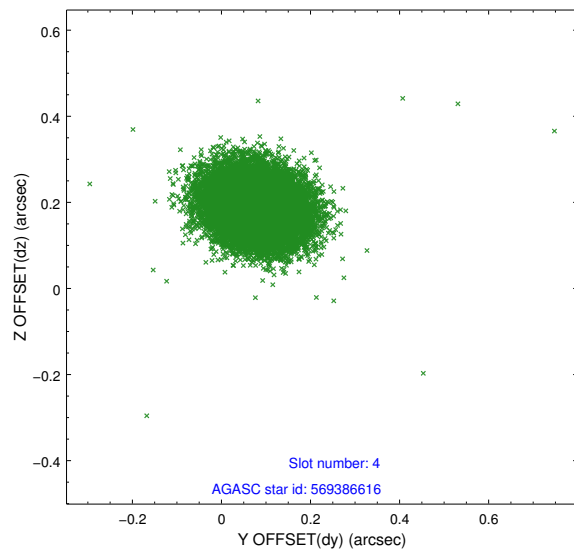
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	7849	0.069	-0.018	0.006	0.010	0.000000	0.000000	924.78	-840.98
1	FID	ACIS-I-5	7.00	7849	-0.224	0.072	0.006	0.010	0.000000	0.000000	-1823.56	1056.61
2	FID	ACIS-I-6	7.01	7849	0.064	0.017	0.006	0.010	0.000000	0.000000	390.29	1701.09
3	GUIDE	569382904	8.29	15687	0.097	-0.138	0.078	0.122	86.395503	69.273356	1651.39	629.35
4	GUIDE	569386616	9.02	15686	0.082	0.187	0.078	0.127	86.116421	68.965835	2216.86	-387.28
5	GUIDE	569901096	7.44	15699	0.023	-0.031	0.061	0.096	84.585955	69.399398	-265.16	-718.39
6	GUIDE	569774752	9.13	15681	-0.110	0.159	0.095	0.150	83.362489	69.762334	-2276.25	-876.06
7	GUIDE	569904128	8.59	15691	-0.089	-0.181	0.076	0.119	86.252443	70.010654	-414.21	2306.19

2.4 Star Slots

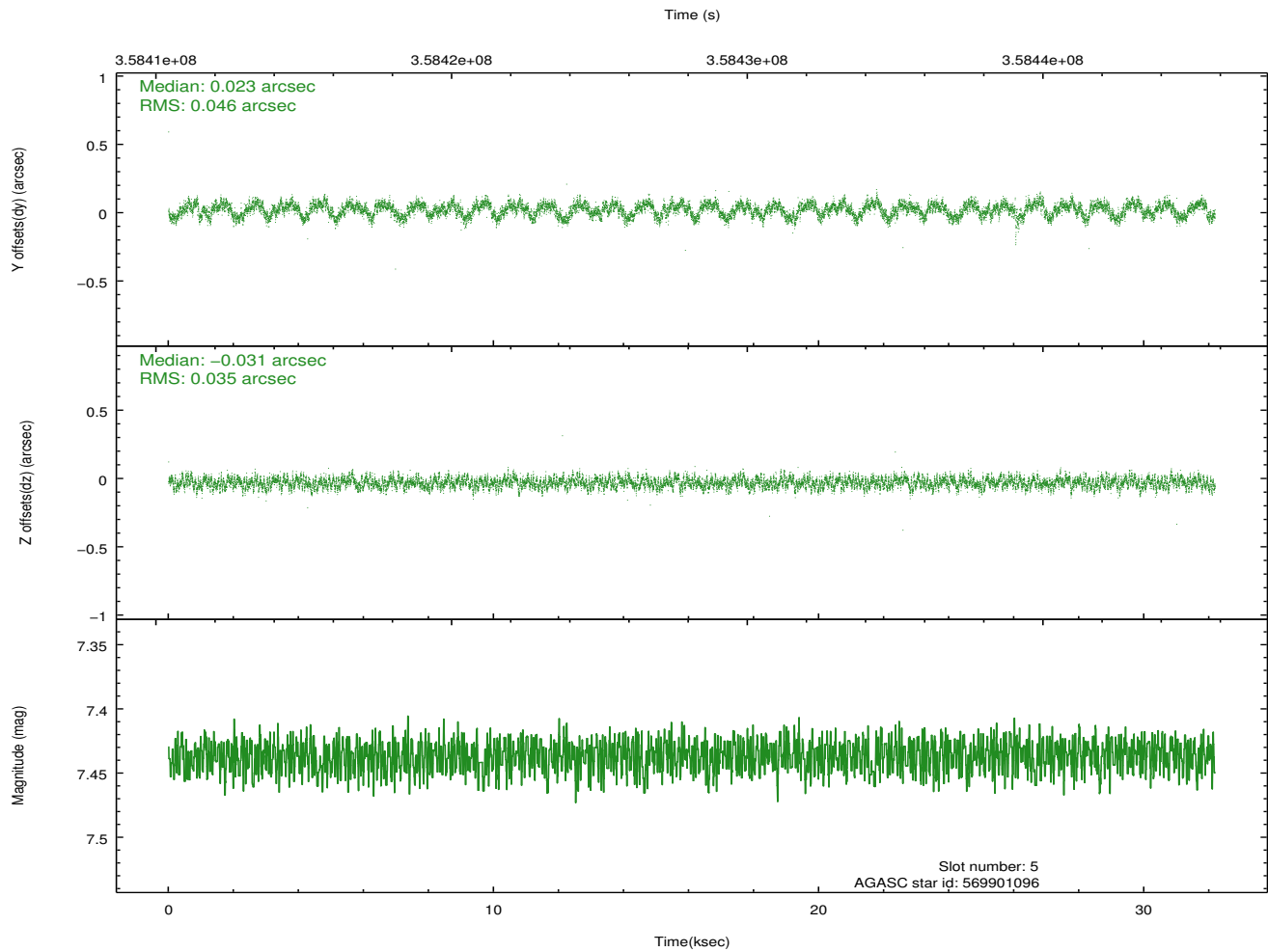
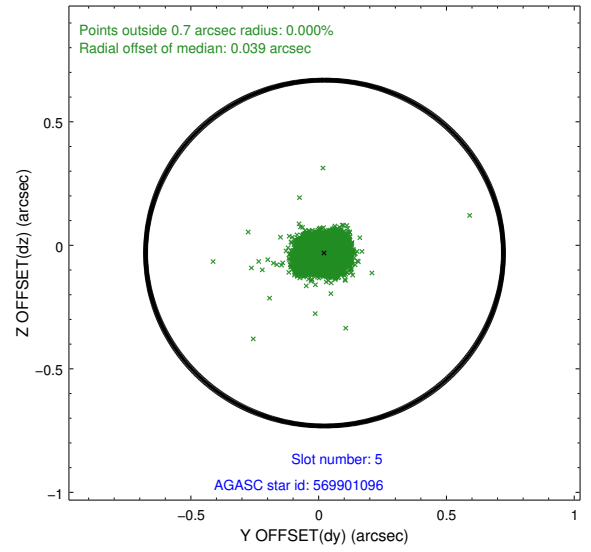
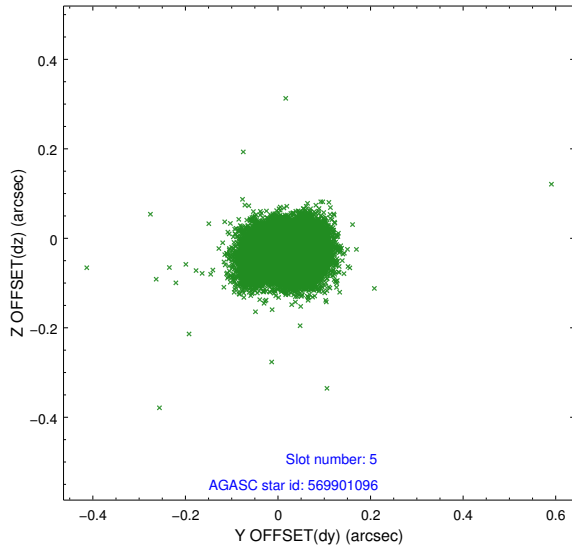
2.4.1 Slot 3



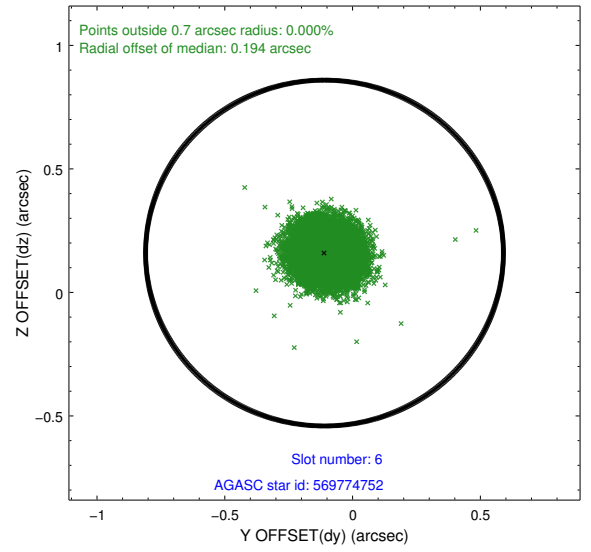
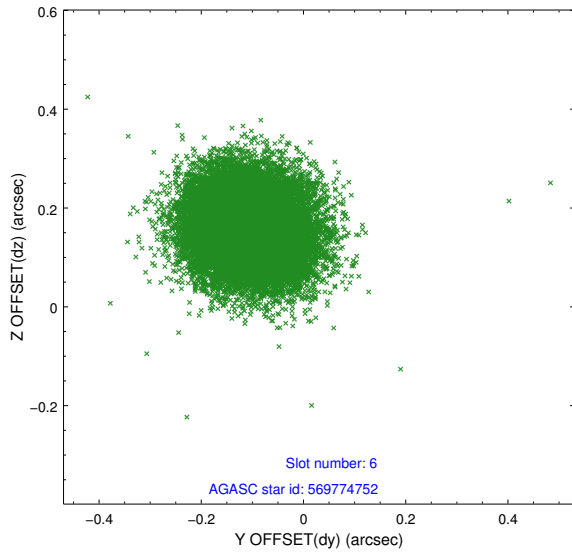
2.4.2 Slot 4



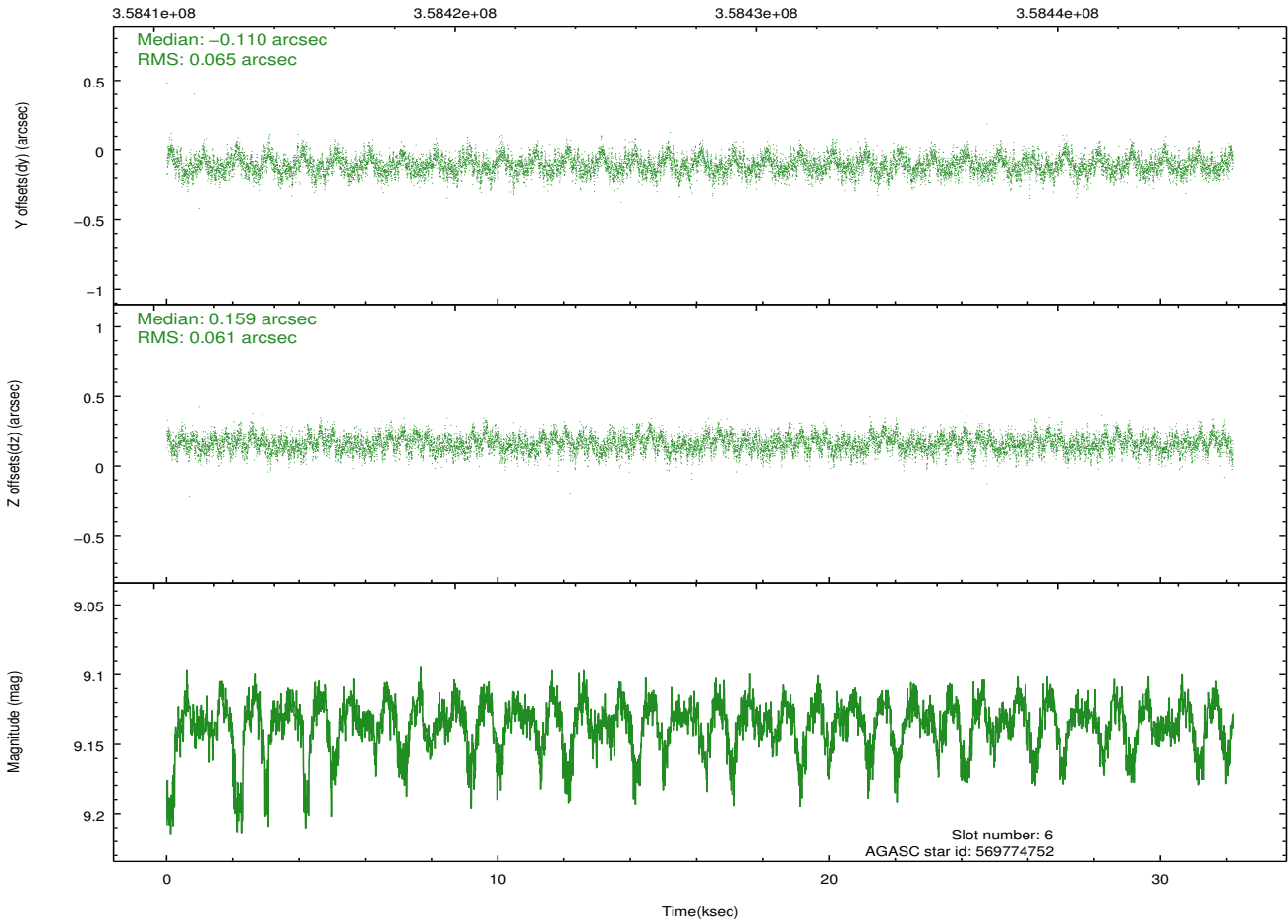
2.4.3 Slot 5



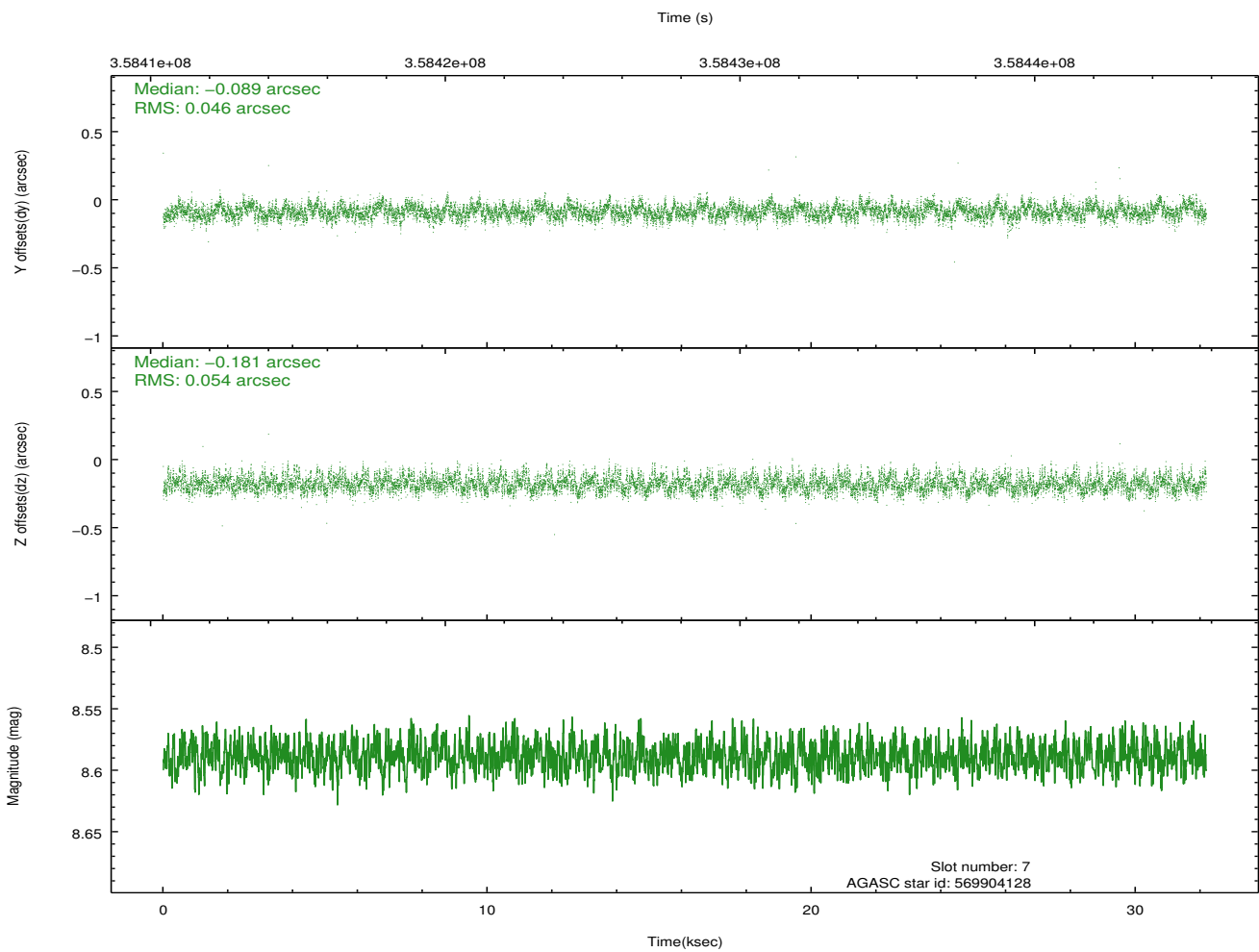
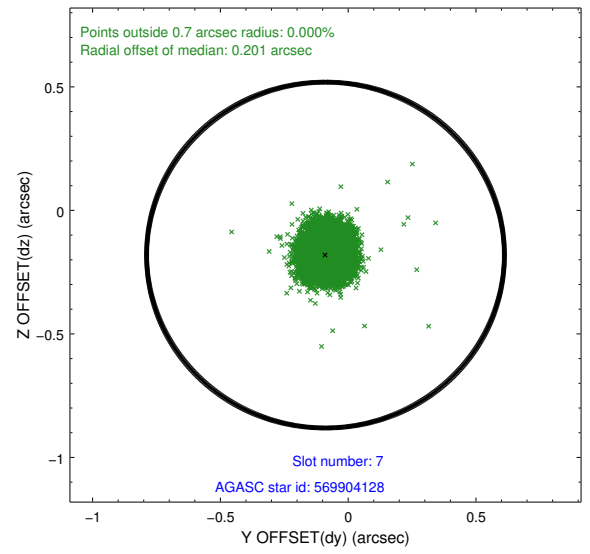
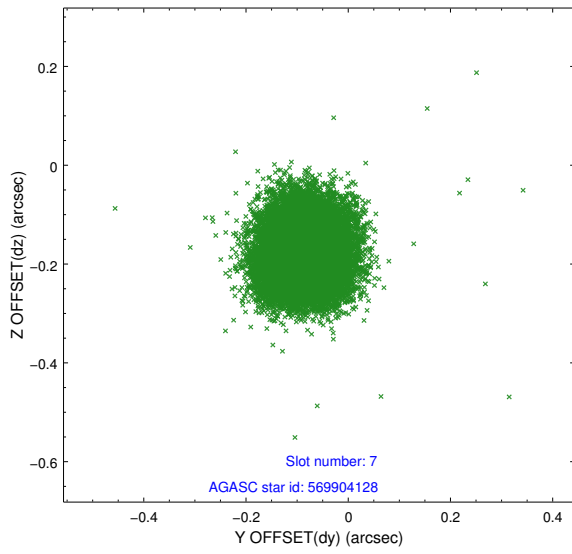
2.4.4 Slot 6



Time (s)

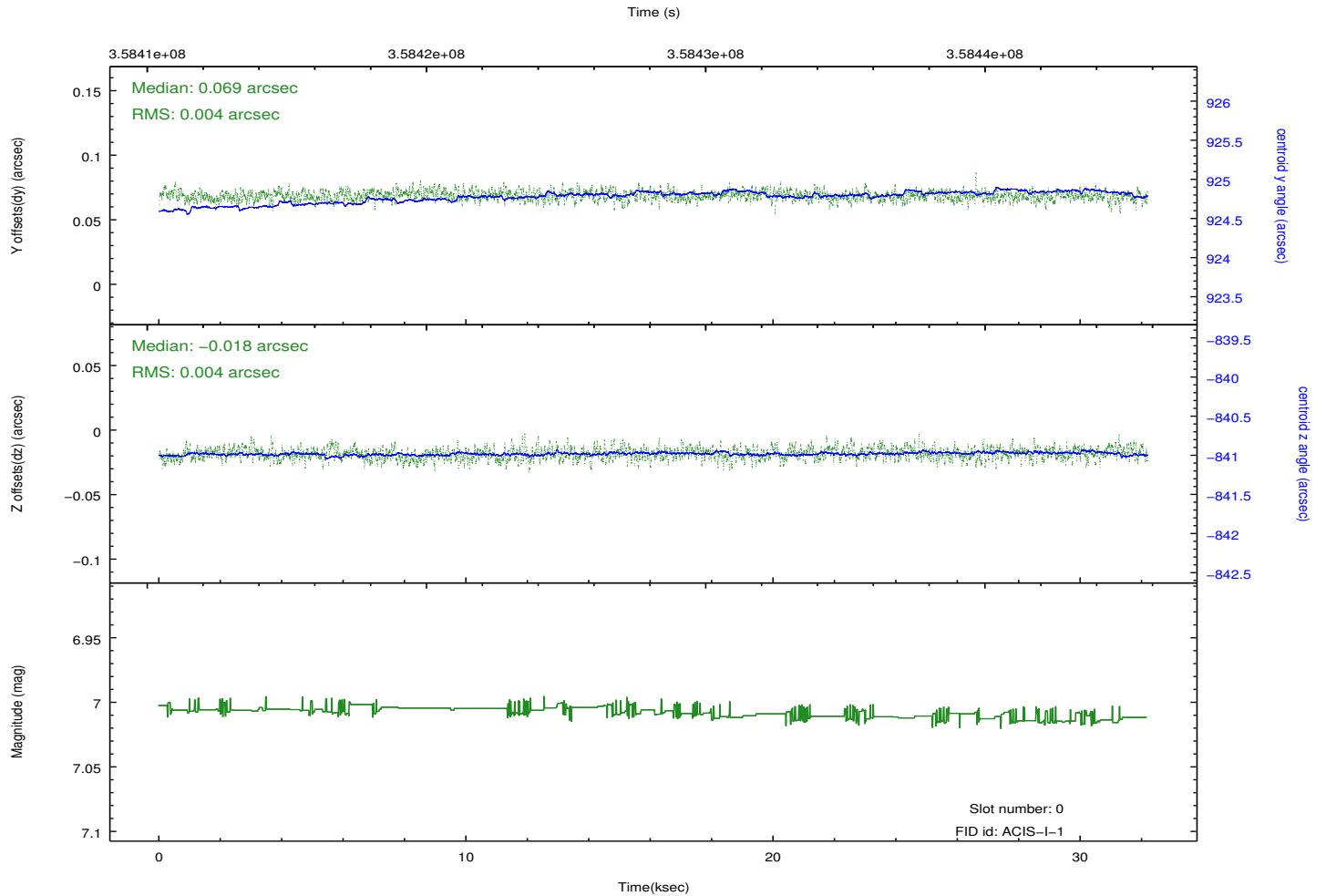
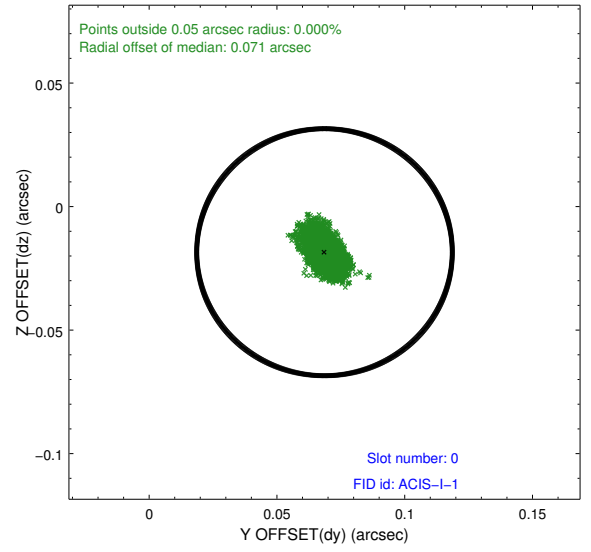
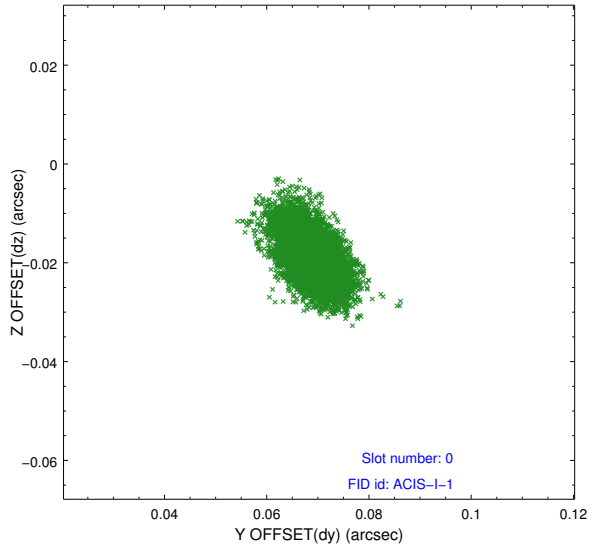


2.4.5 Slot 7

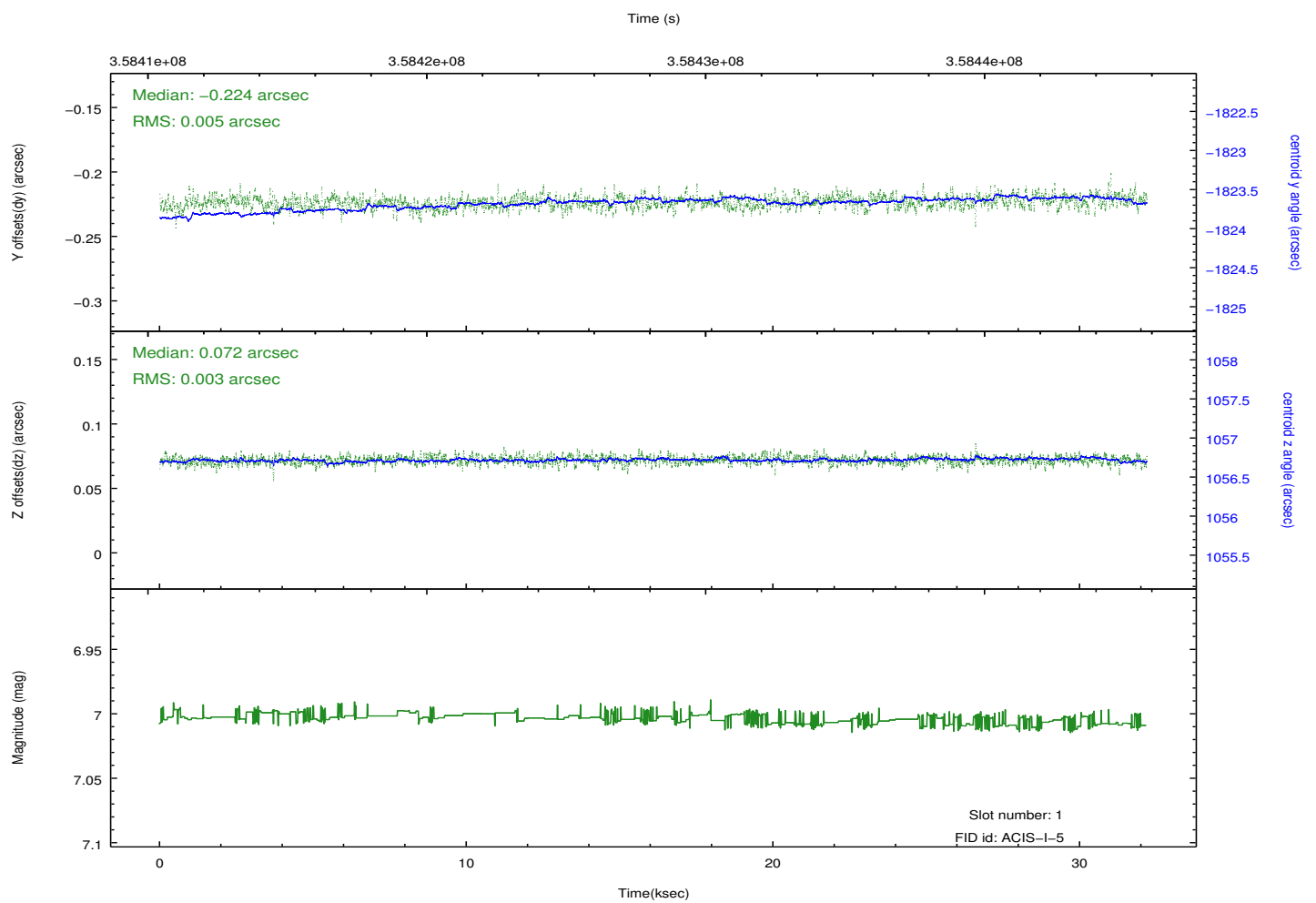
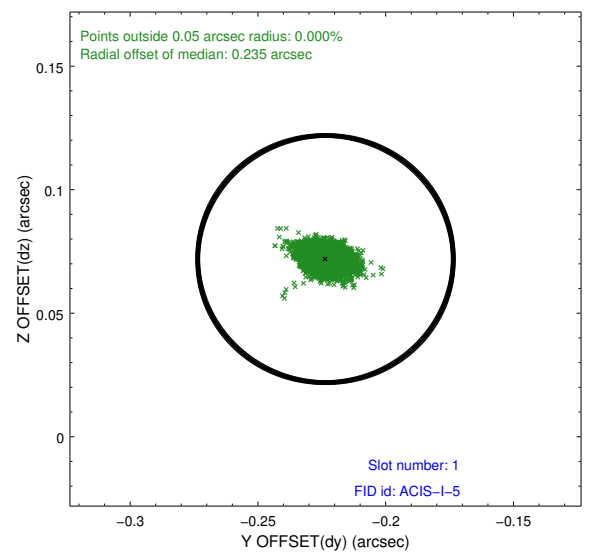
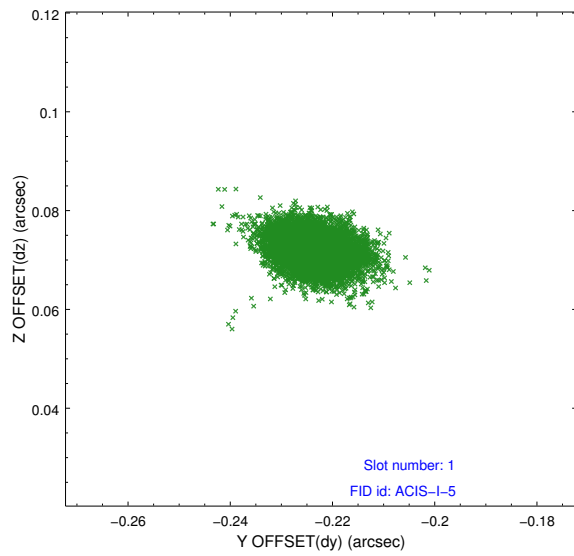


2.5 FID Slots

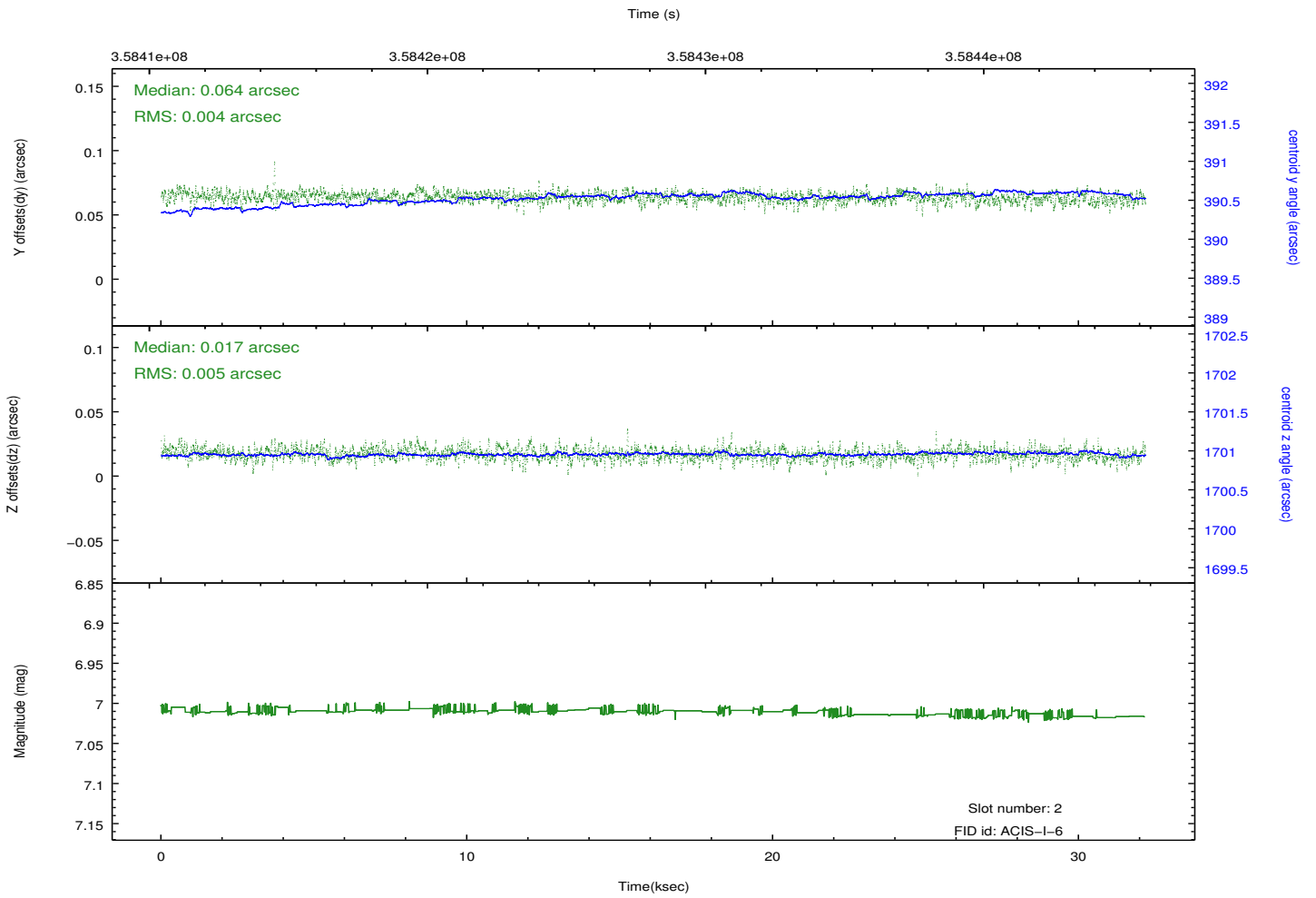
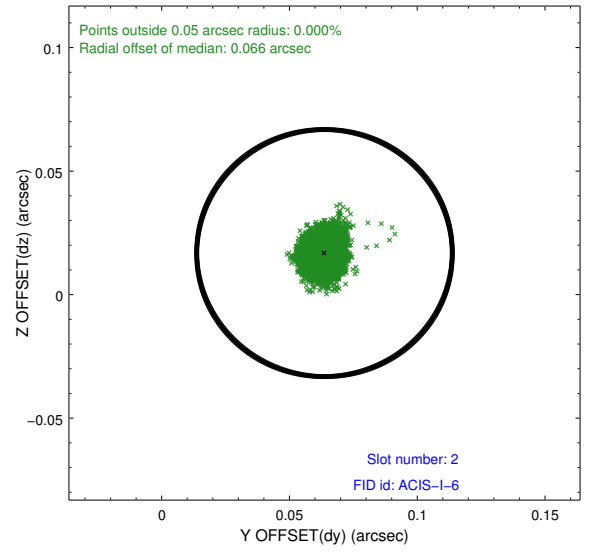
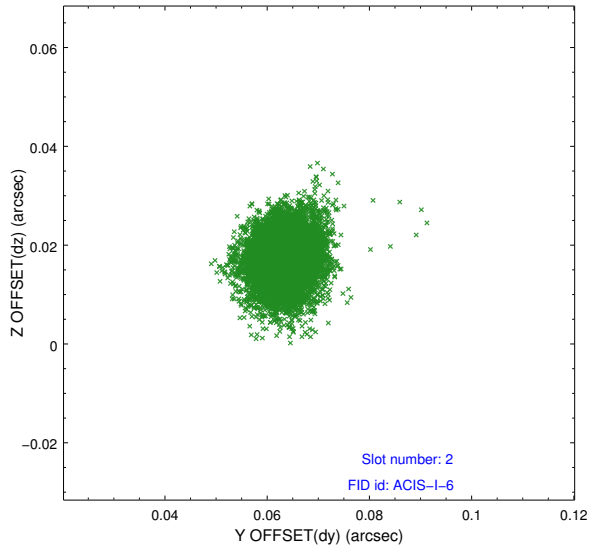
2.5.1 Slot 0



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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.7535998

A.2 Comments