

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11572 - L2 Version 2
Chandra X-Ray Center

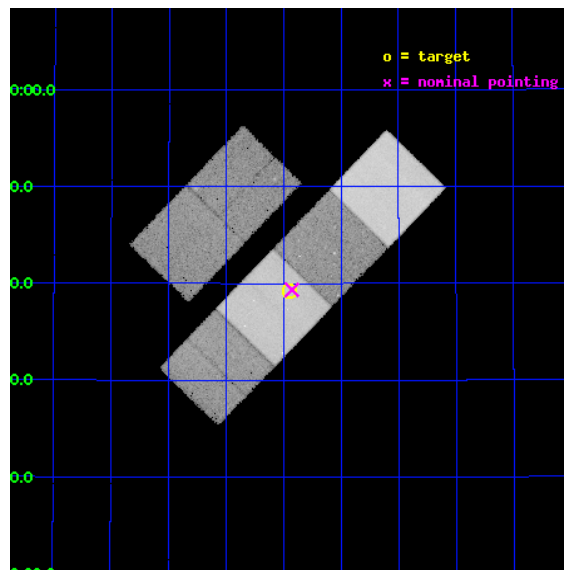
L2 Processing Date : Jun 22 2012

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1 Front

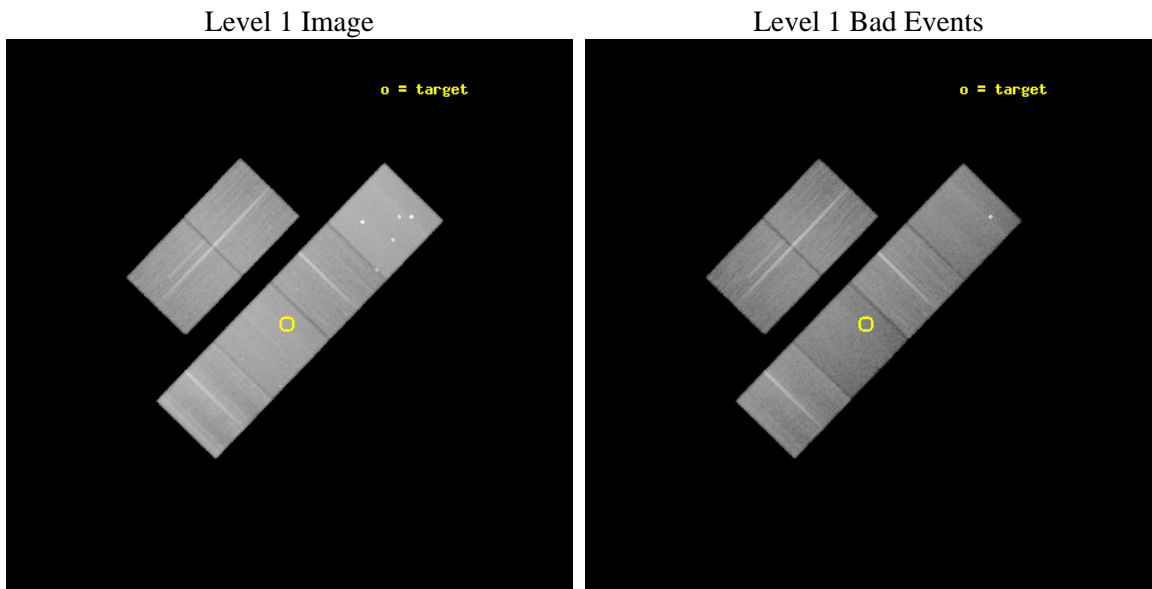
seq_num	702158	Sequence number
obs_id	11572	Observation id
title	The environmental and epoch dependence of radio-loud AGN feedback	
observer	Dr Judith Croston	Principal investigator
object	TOOT 1307+3639	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.862917	Observer's specified target RA [deg]
dec_targ	36.654556	Observer's specified target Dec [deg]
ra_nom	196.85704957288	Nominal RA [deg]
dec_nom	36.655756485479	Nominal Dec [deg]
roll_nom	134.01770141023	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40044.799850881	Sum of GTIs [s]
livetime	39537.728483086	Livetime [s]
ontime2	40025.353599668	Sum of GTIs [s]
ontime3	40044.799850881	Sum of GTIs [s]
ontime5	40044.799850881	Sum of GTIs [s]
ontime6	40044.799850881	Sum of GTIs [s]
ontime7	40044.799850881	Sum of GTIs [s]
ontime8	40044.799850881	Sum of GTIs [s]
l2events	512956	Number of level 2 events



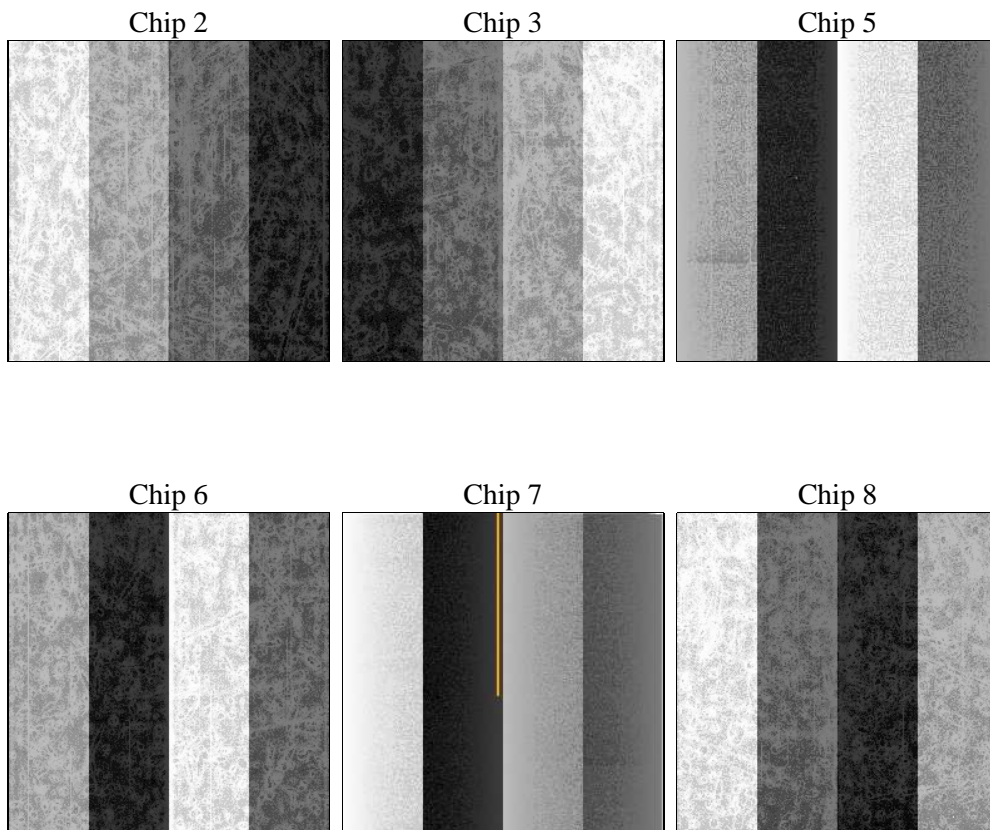
2 OBI

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	8.4.5	Processing system revision	ontime	40044.799850881	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	40025.353599668	Sum of GTIs [s]
date	2012-06-22T17:30:55	Date and time of file creation	ontime3	40044.799850881	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	40044.799850881	Sum of GTIs [s]
			ontime6	40044.799850881	Sum of GTIs [s]
			ontime7	40044.799850881	Sum of GTIs [s]
			ontime8	40044.799850881	Sum of GTIs [s]
			l1events	2288966	Number of level 1 events

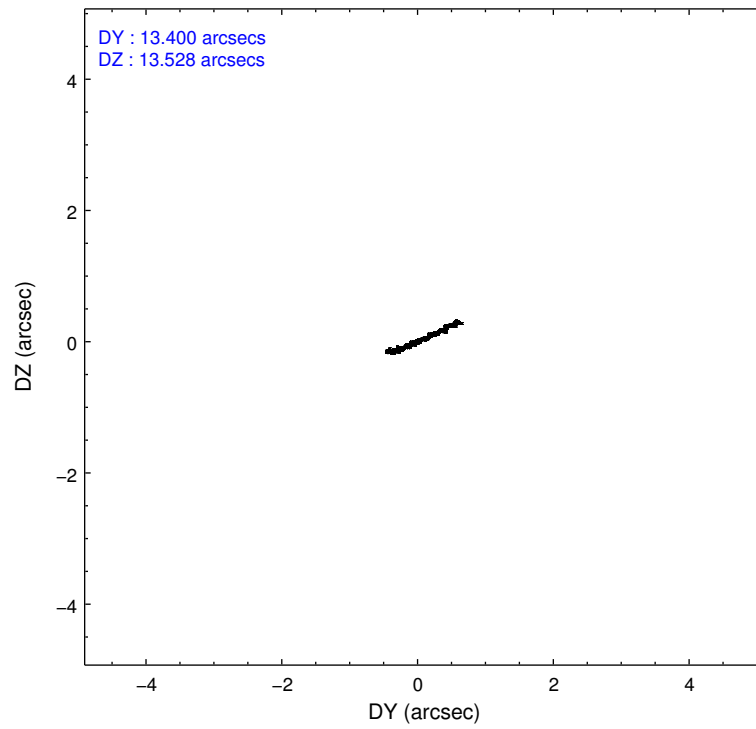
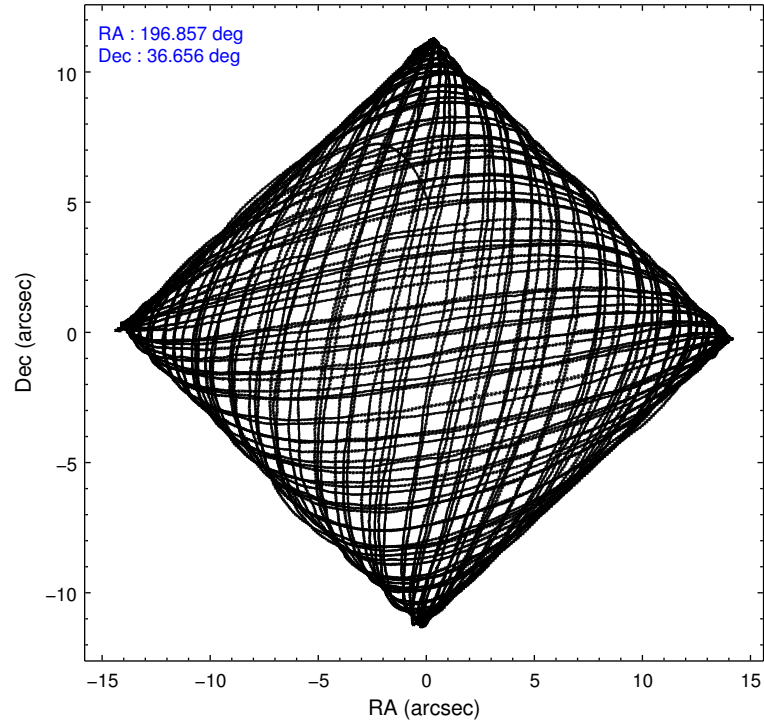
2.1.4 Events

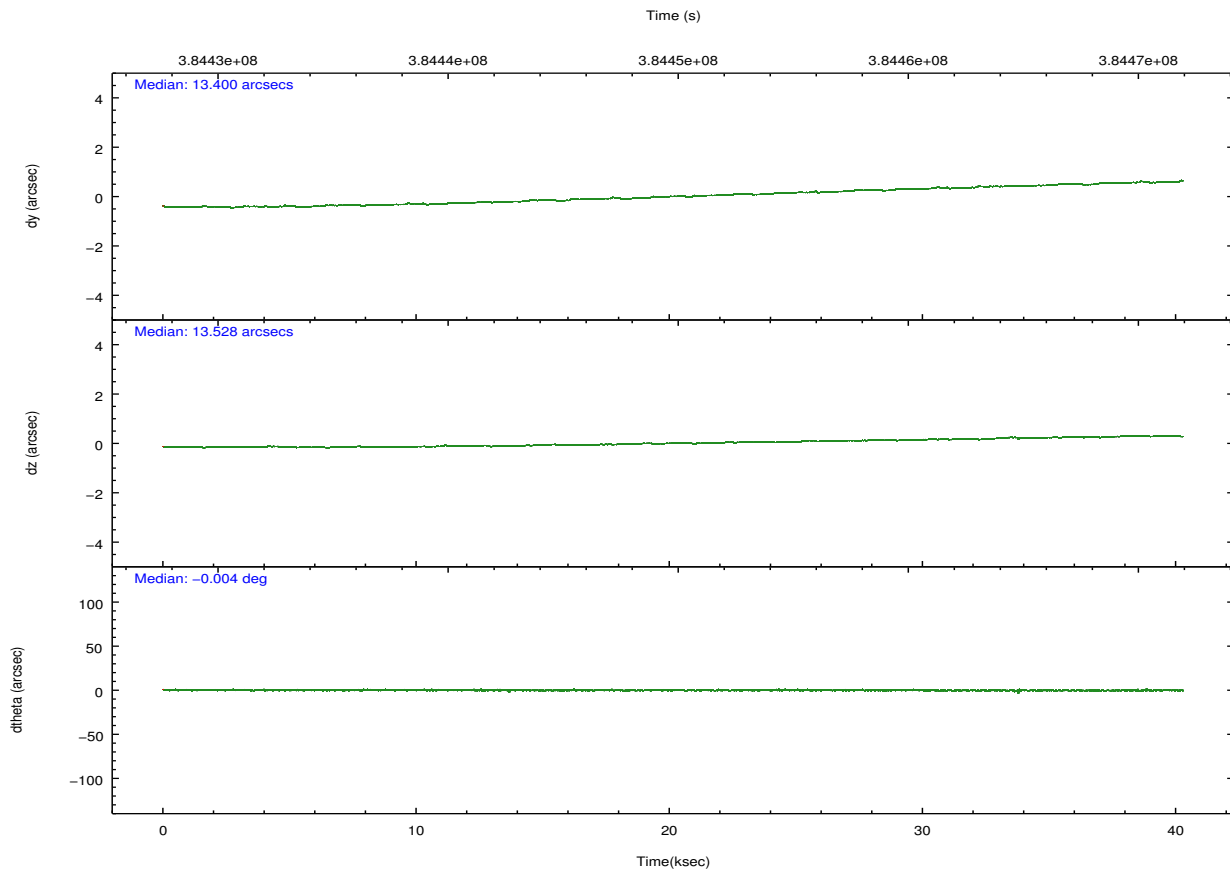
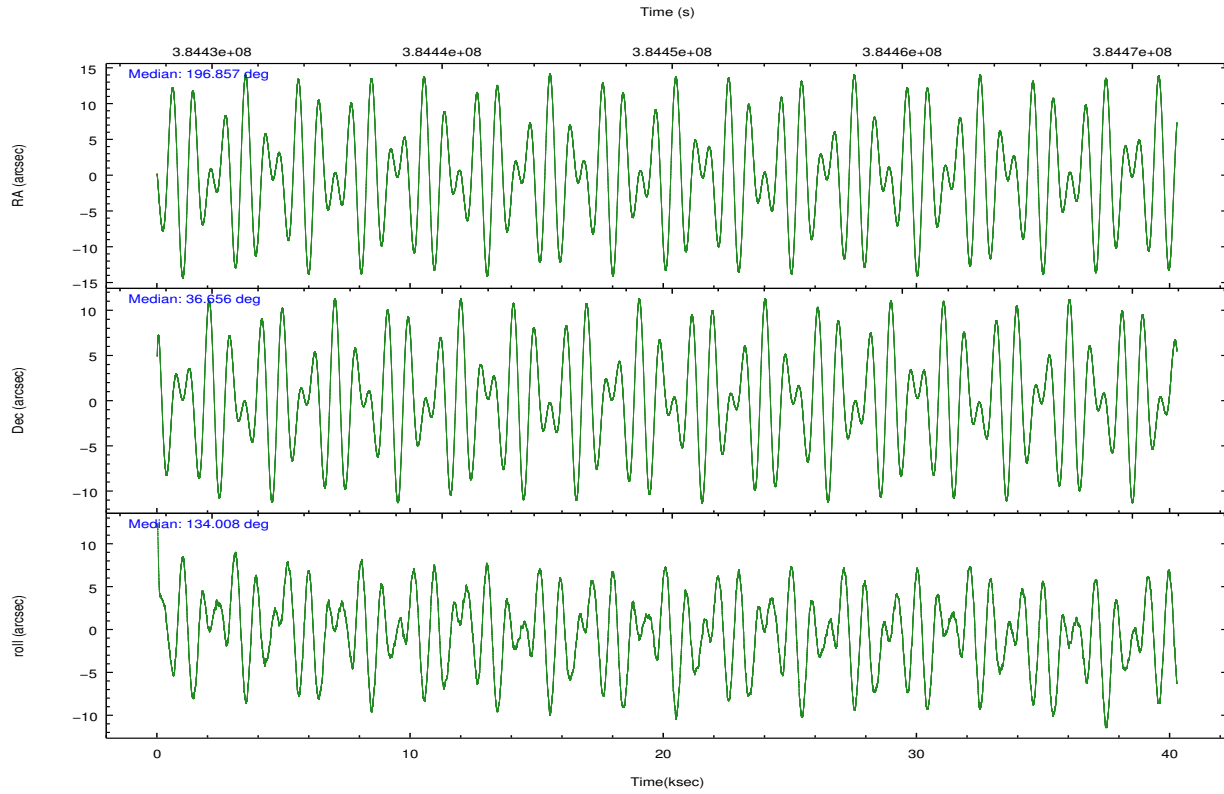
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	337324	315354	502387	328861	386098	418942	grade 0 events	11976	11000	39884	12596	16508	30471
rejected events	303453	284028	245521	293144	211583	312558		3%	3%	7%	3%	4%	7%
rejected %	89%	90%	48%	89%	54%	74%	grade 1 events	179	197	976	146	480	334
								0%	0%	0%	0%	0%	0%
							grade 2 events	8205	6896	74458	7890	35669	25698
								2%	2%	14%	2%	9%	6%
							grade 3 events	3600	3620	9339	3733	15628	11314
								1%	1%	1%	1%	4%	2%
							grade 4 events	3593	3358	8534	3807	15354	10306
								1%	1%	1%	1%	3%	2%
							grade 5 events	12128	13770	36424	14155	40065	20668
								3%	4%	7%	4%	10%	4%
							grade 6 events	6501	6454	124663	7699	91368	28617
								1%	2%	24%	2%	23%	6%
							grade 7 events	291142	270059	208109	278835	171026	291534
								86%	85%	41%	84%	44%	69%

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	196.889943	196.8570495728768	CCD I2 on	O1	Y
[deg] Pointing Dec	36.648578	36.65575648547861	CCD I3 on	O2	Y
[deg] Pointing Roll	133.841432	134.0177014102273	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	Y	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	Y	Y
[s] Observation start time (MET)	384429923.184000	384428870.68983	CCD S5 on	N	N
Observation start date	2010-03-08T10:04:17	2010-03-08T09:47:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	384469923.184000	384470802.41695	On-chip summing requested	N	N
Observation end date	2010-03-08T21:10:57	2010-03-08T21:26:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



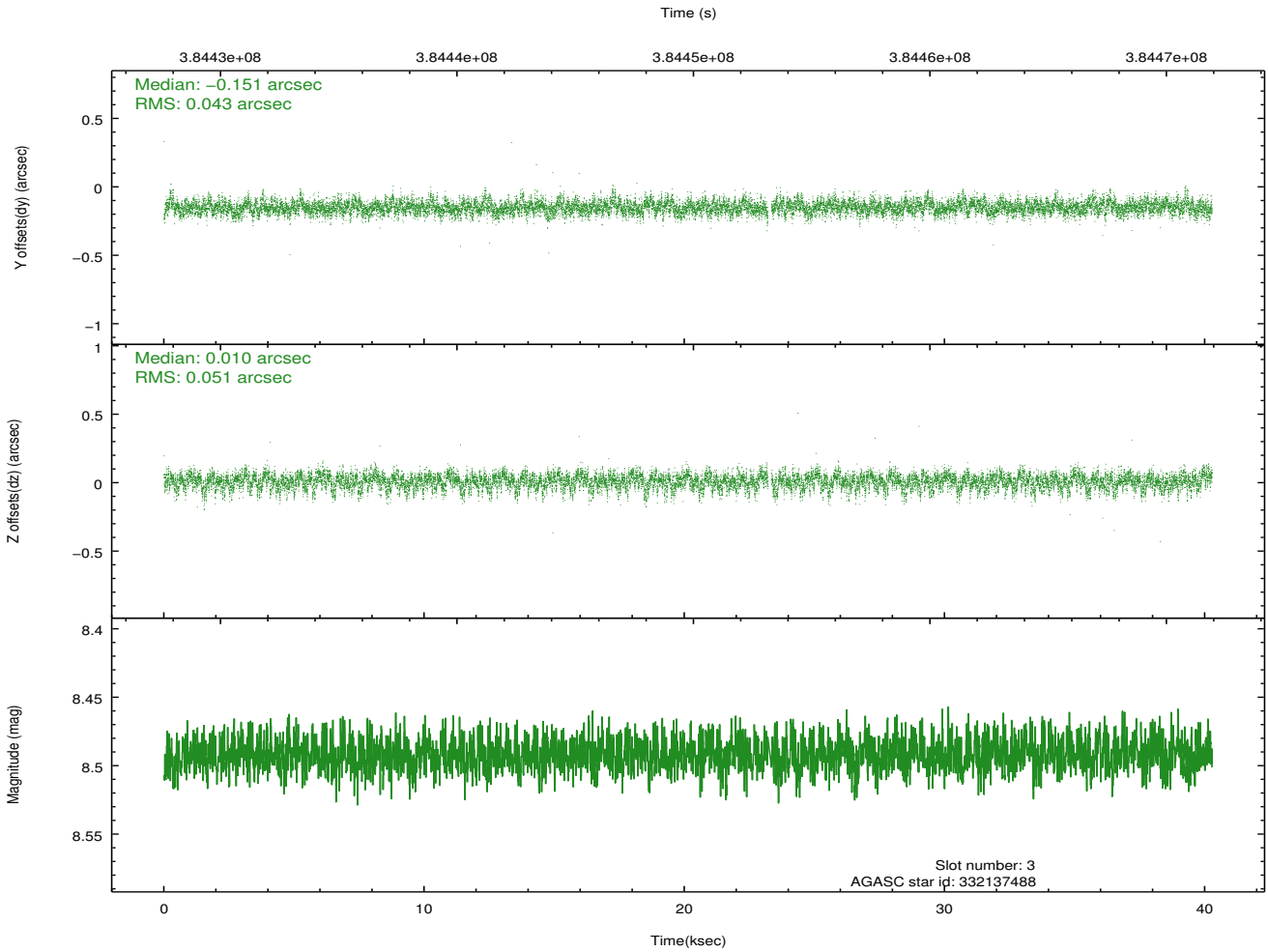
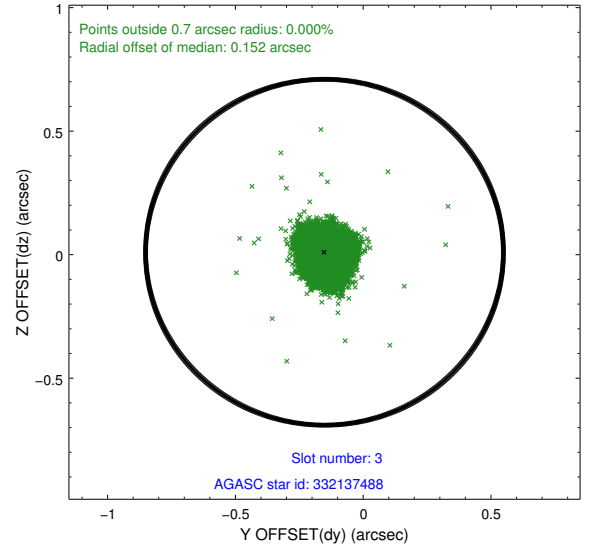
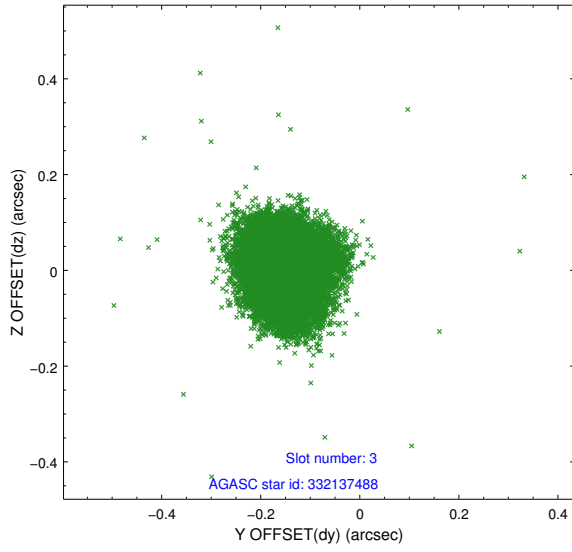


Slot Statistics

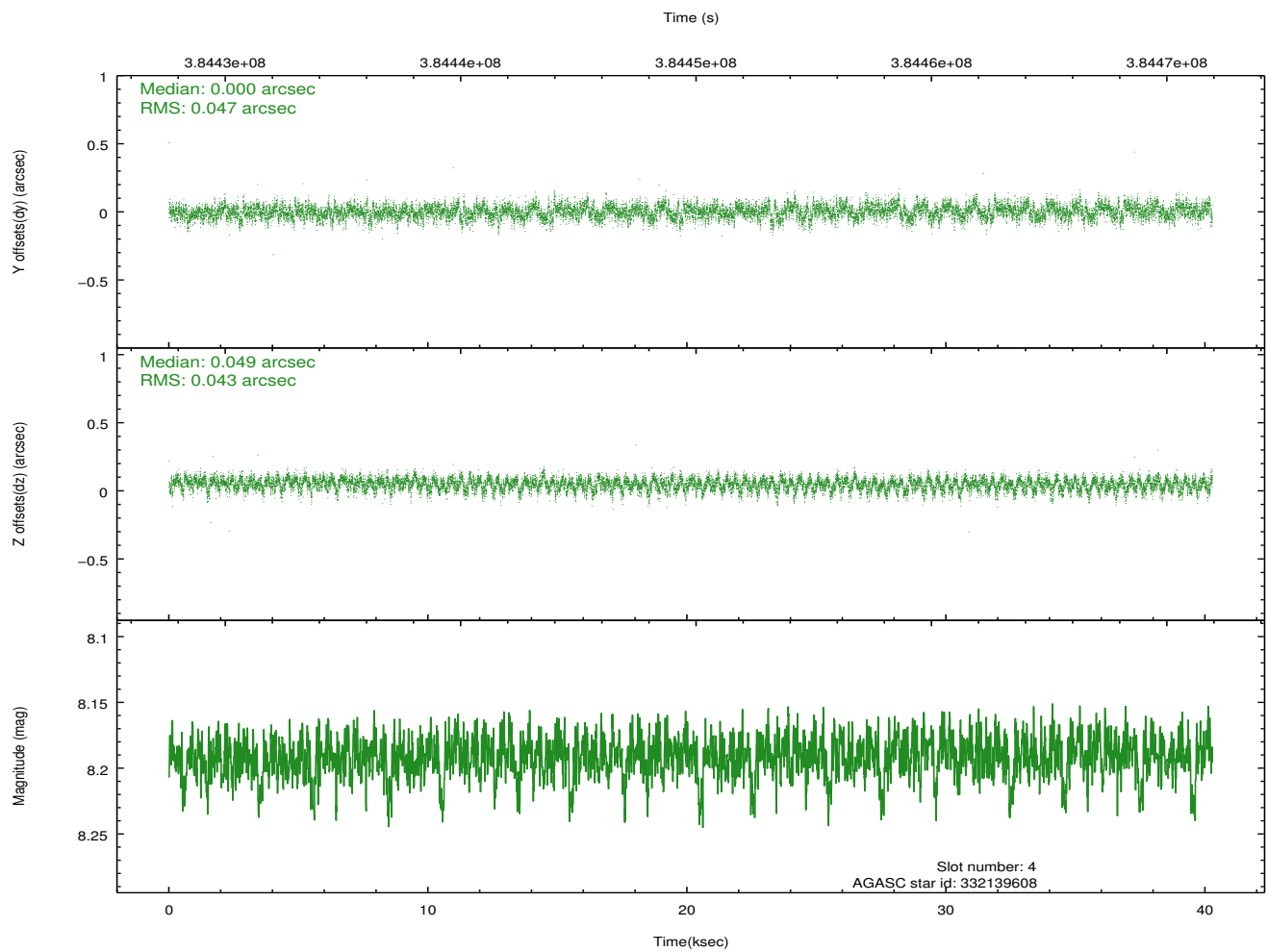
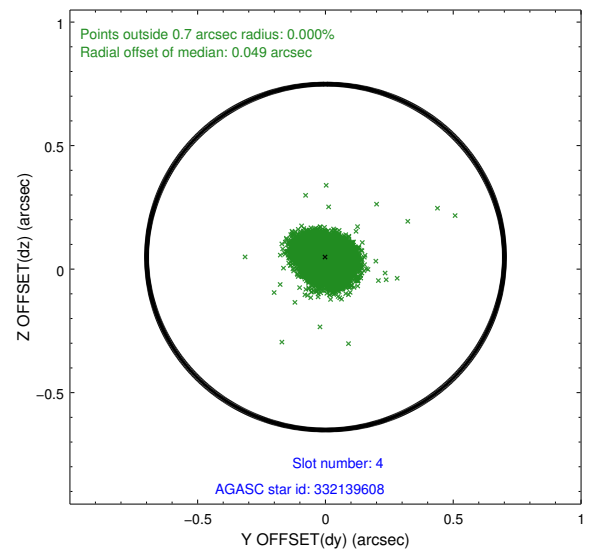
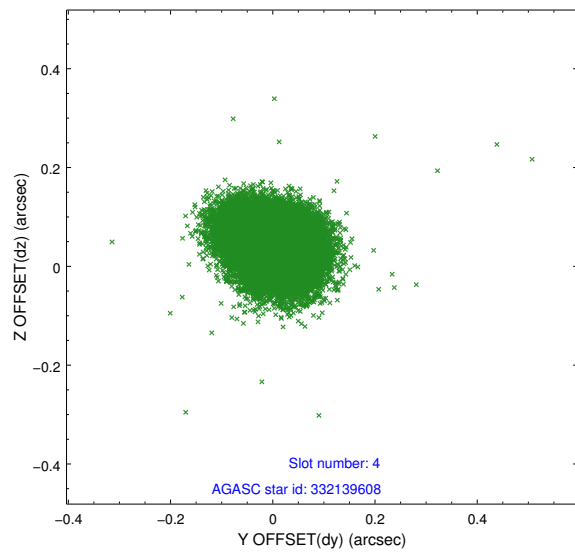
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	9825	-0.036	-0.070	0.015	0.026	0.000000	0.000000	-766.39	-1734.96
1	FID	ACIS-S-4	7.05	9825	0.186	0.036	0.022	0.033	0.000000	0.000000	2147.11	173.61
2	FID	ACIS-S-5	7.10	9821	-0.181	0.041	0.010	0.016	0.000000	0.000000	-1819.35	167.31
3	GUIDE	332137488	8.49	19575	-0.151	0.010	0.070	0.115	197.172553	37.223367	932.62	-2018.08
4	GUIDE	332139608	8.19	19646	0.000	0.049	0.068	0.109	196.814680	37.265809	1752.65	-1382.82
5	GUIDE	332140272	9.47	19617	-0.003	-0.124	0.109	0.175	196.719361	36.110527	-1052.67	1699.39
6	GUIDE	332142088	9.56	19529	0.121	0.076	0.099	0.158	197.774037	36.602770	-1879.69	-1736.72
7	GUIDE	332145344	8.44	19631	0.028	-0.006	0.089	0.135	196.986512	36.975509	656.66	-1015.38

2.4 Star Slots

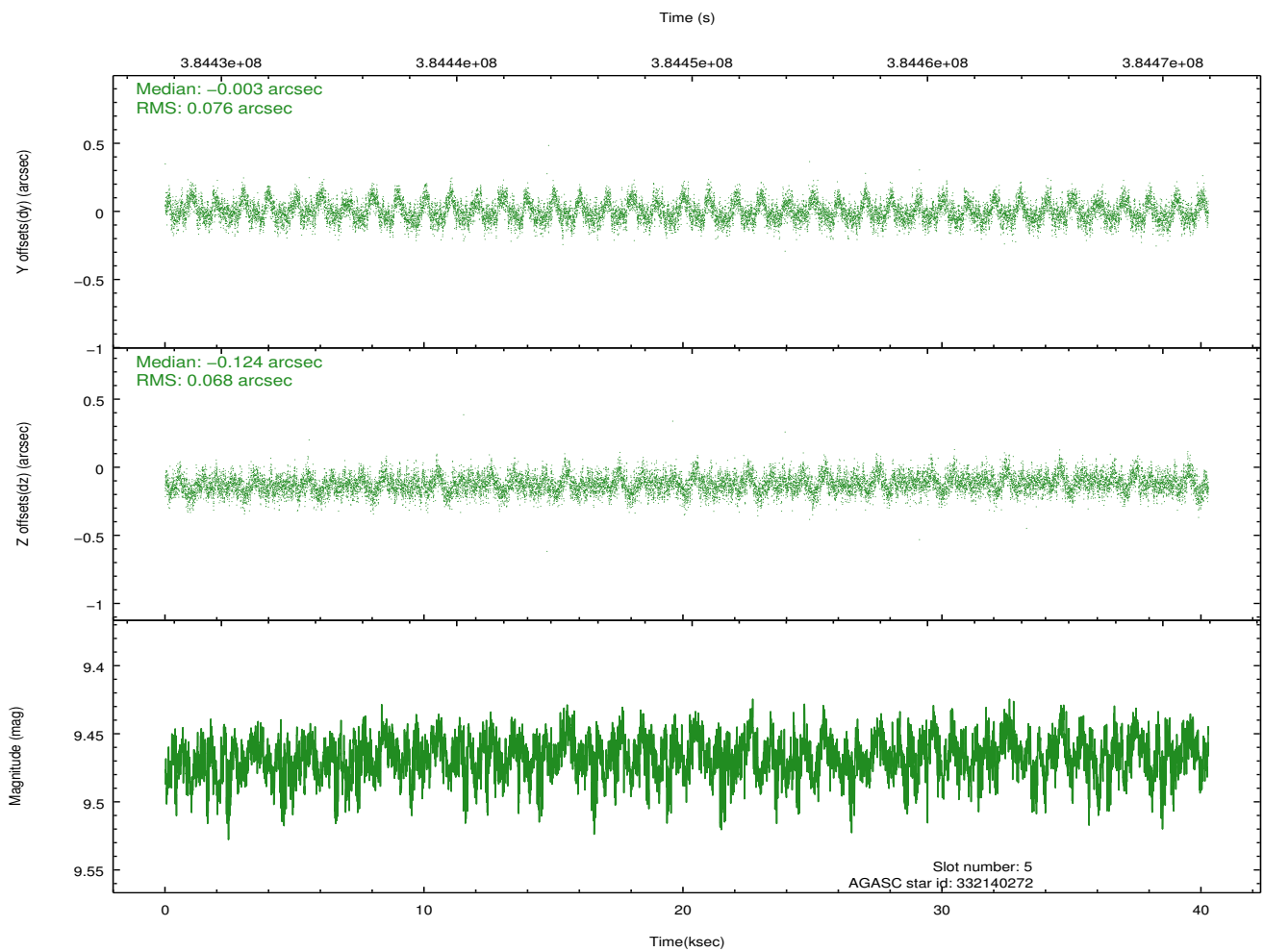
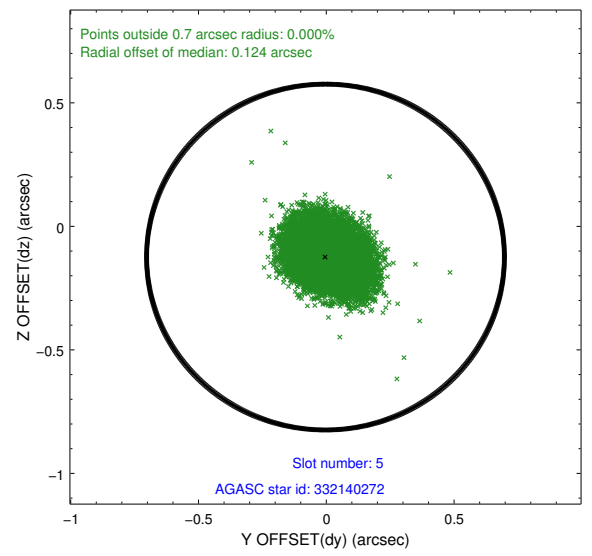
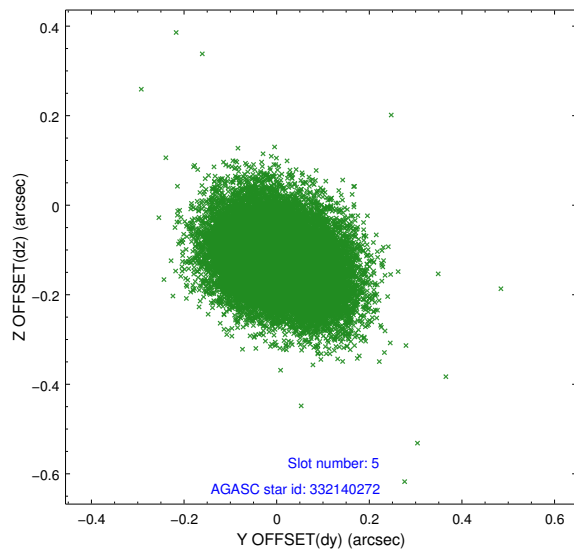
2.4.1 Slot 3



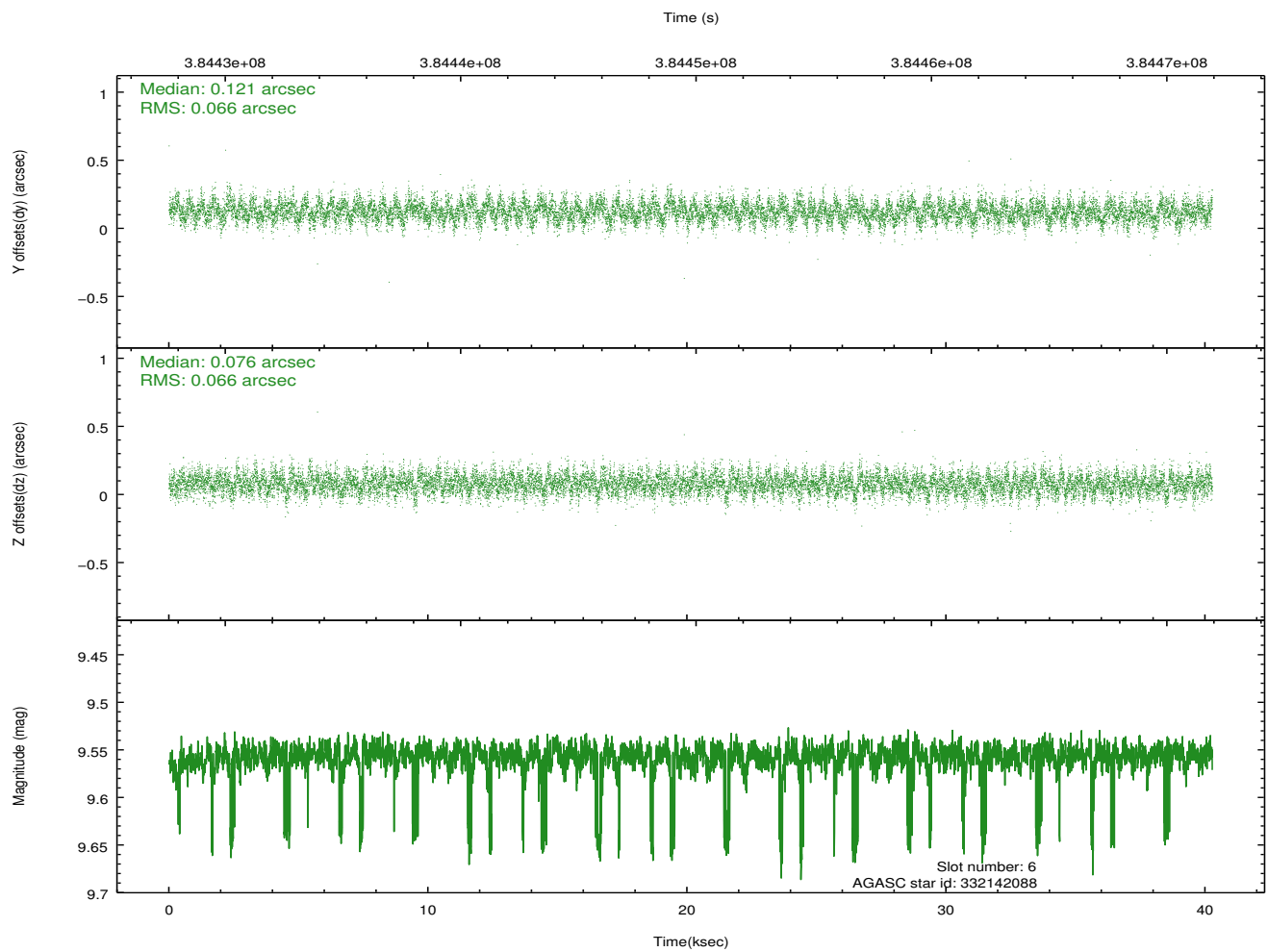
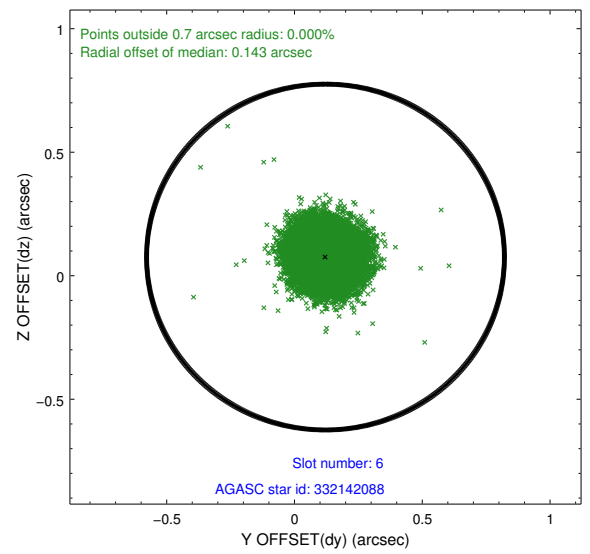
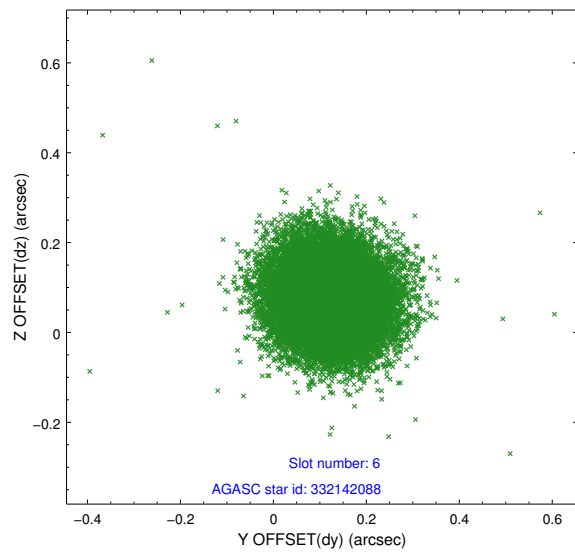
2.4.2 Slot 4



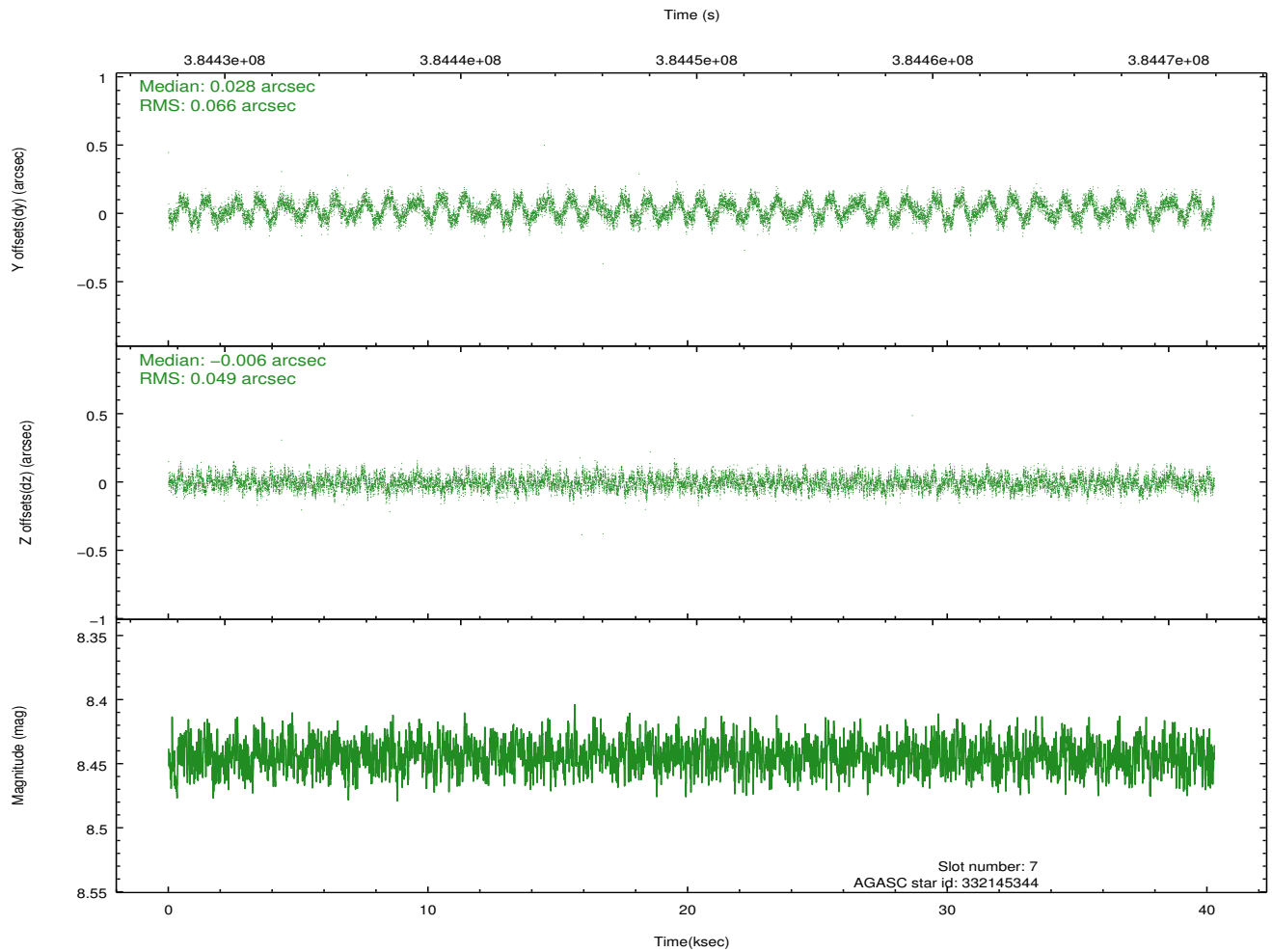
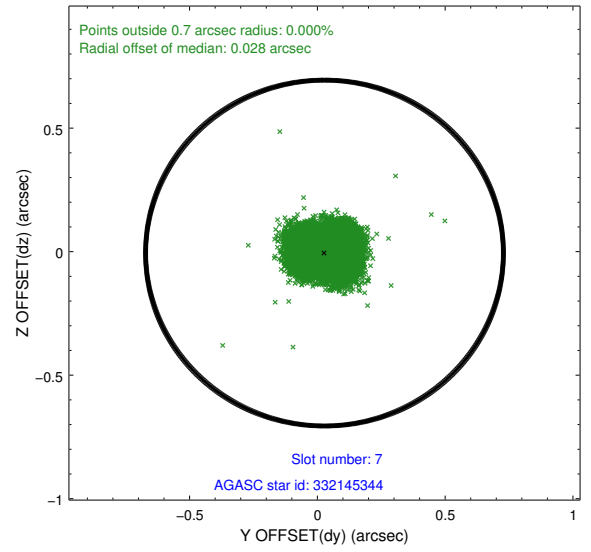
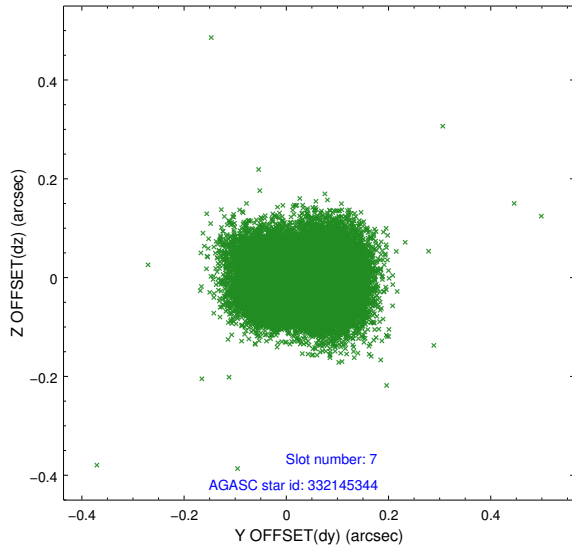
2.4.3 Slot 5



2.4.4 Slot 6

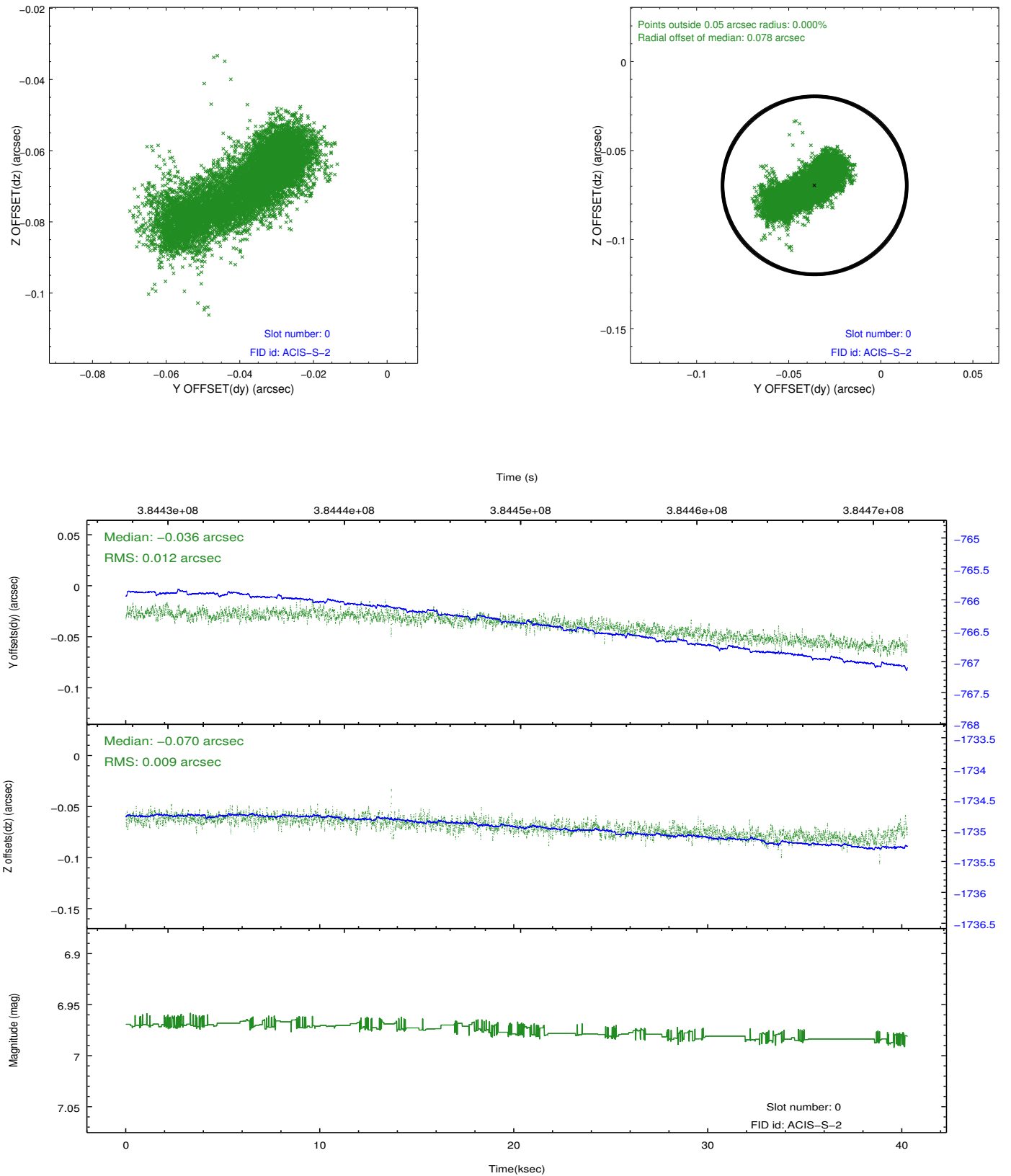


2.4.5 Slot 7

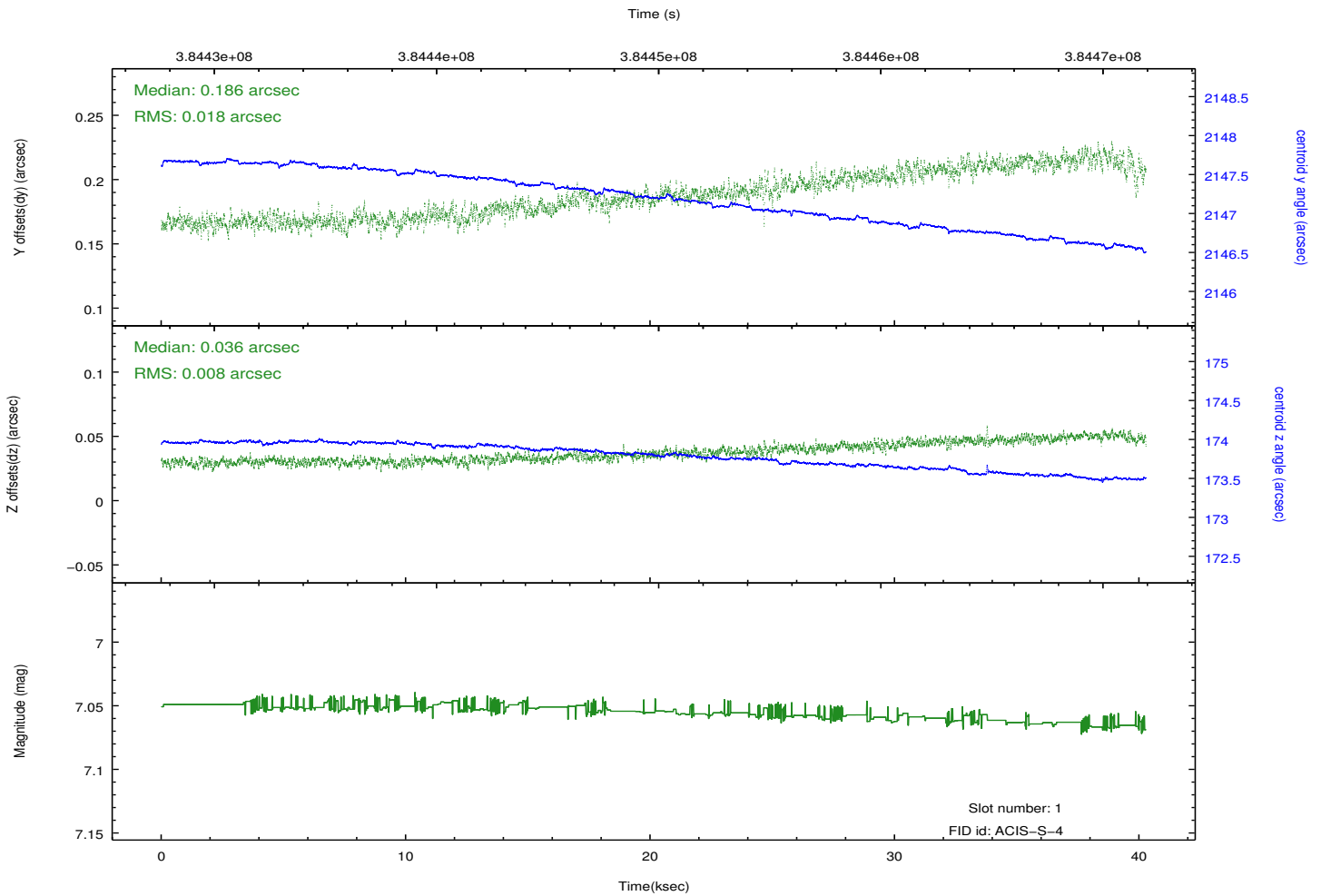
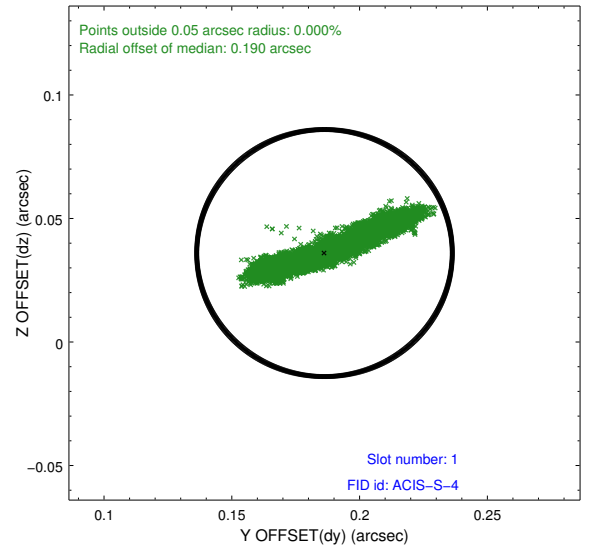
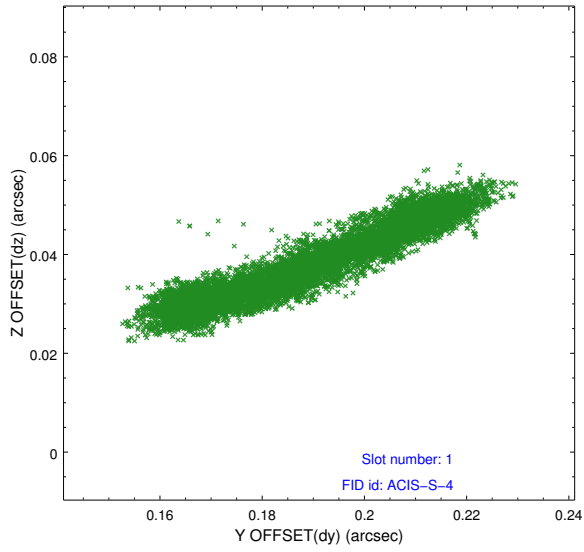


2.5 FID Slots

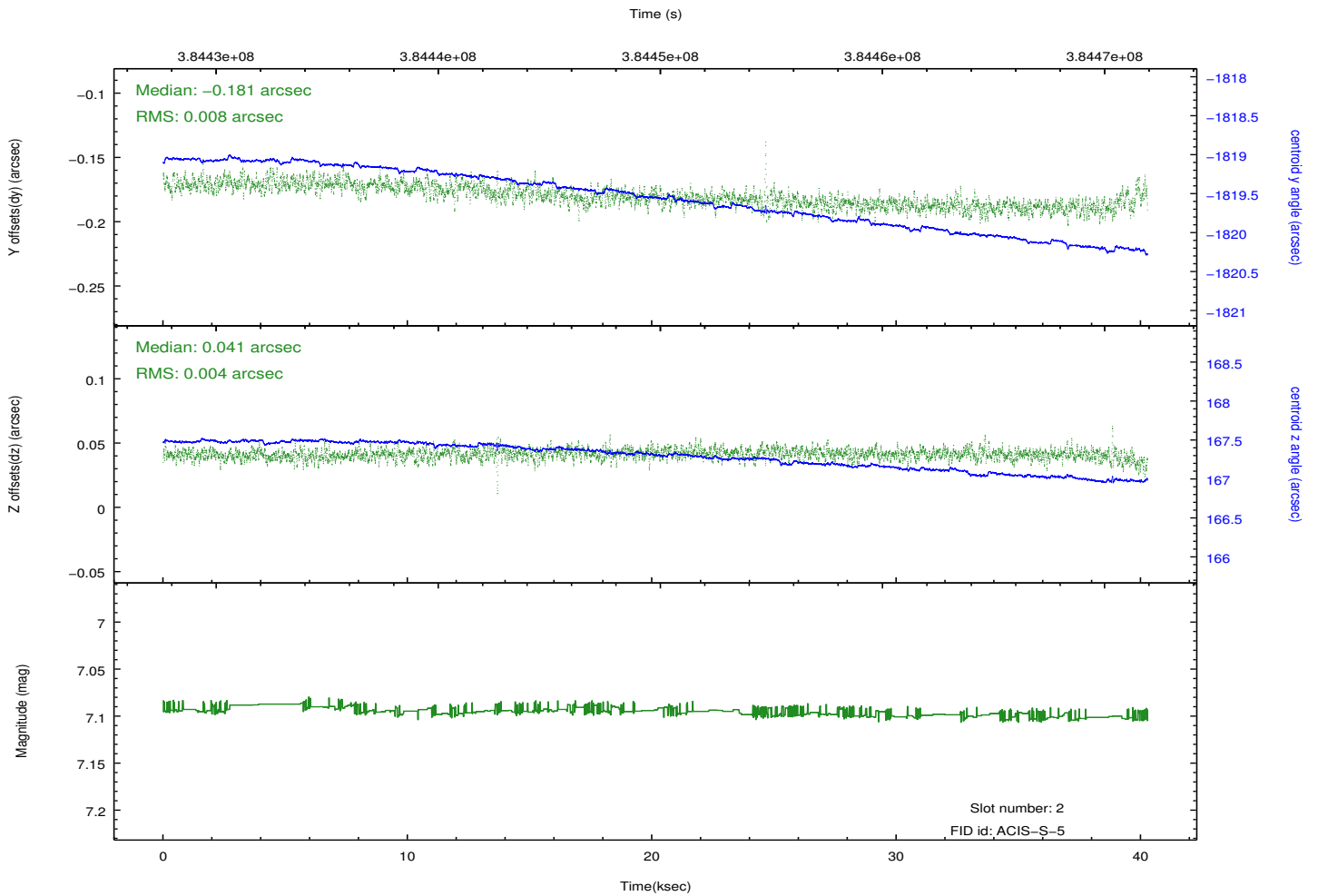
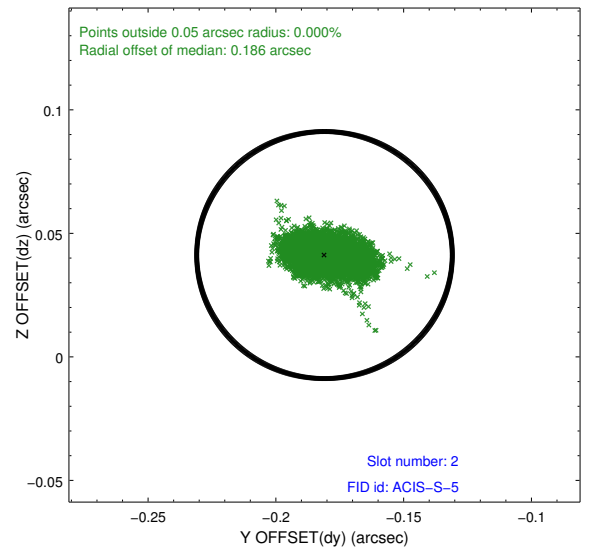
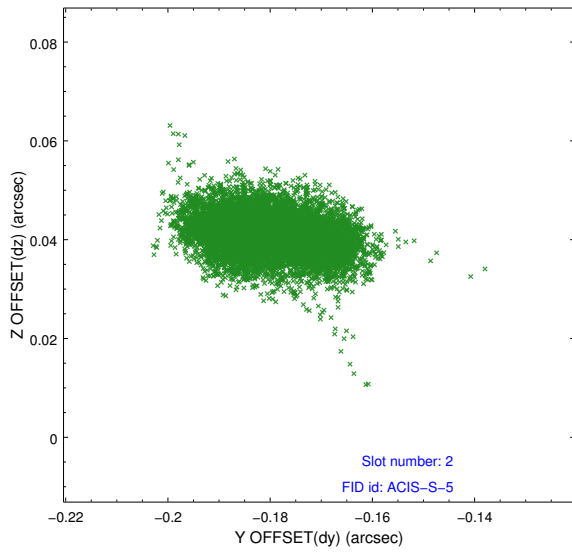
2.5.1 Slot 0



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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.044799850881

A.2 Comments