

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11677 - L2 Version 2
Chandra X-Ray Center

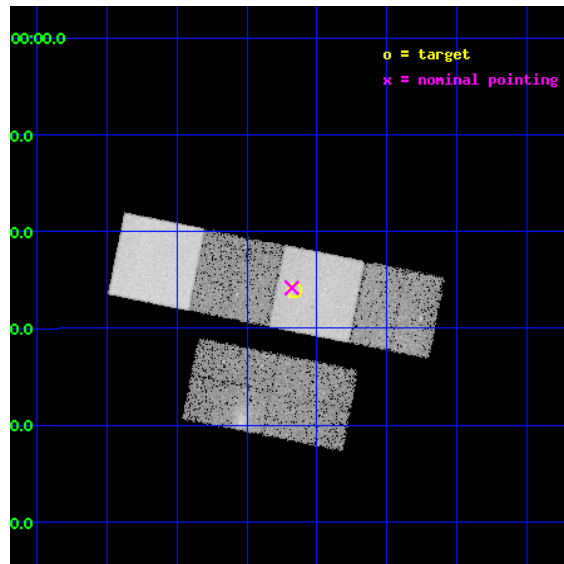
L2 Processing Date : Jun 21 2012

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1 Front

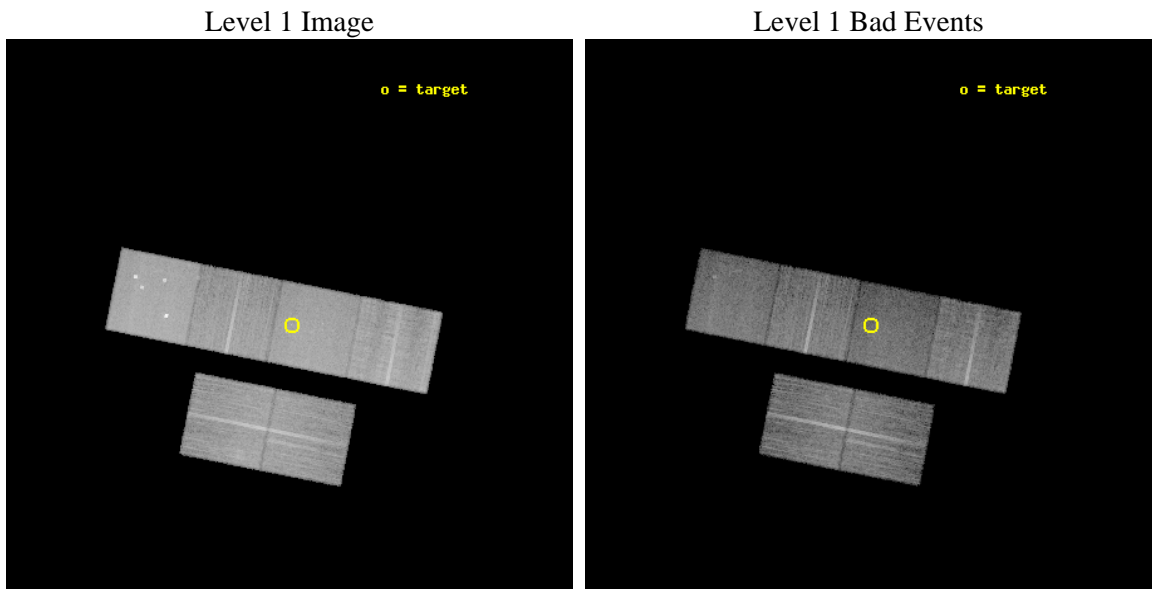
seq_num	702263	Sequence number
obs_id	11677	Observation id
title	Investigating the Nuclear Activity of Barred and Unbarred Spiral Galaxies	Proposal title
observer	Dr Leigh Jenkins	Principal investigator
object	NGC 3145	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.541125	Observer's specified target RA [deg]
dec_targ	-12.433778	Observer's specified target Dec [deg]
ra_nom	152.54472979649	Nominal RA [deg]
dec_nom	-12.430480424085	Nominal Dec [deg]
roll_nom	11.237917595691	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15046.399944007	Sum of GTIs [s]
livetime	14855.873368062	Livetime [s]
ontime2	15043.158903658	Sum of GTIs [s]
ontime3	15046.399944007	Sum of GTIs [s]
ontime5	15046.399944007	Sum of GTIs [s]
ontime6	15046.399944007	Sum of GTIs [s]
ontime7	15046.399944007	Sum of GTIs [s]
ontime8	15046.399944007	Sum of GTIs [s]
l2events	195589	Number of level 2 events



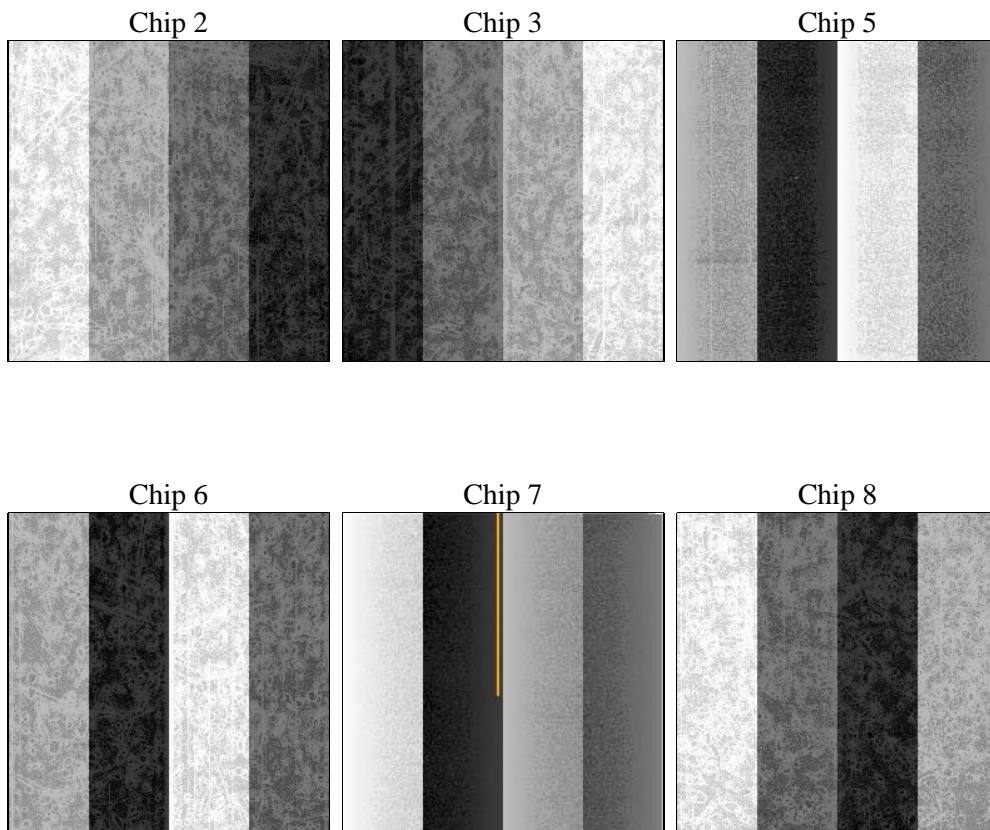
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15046.399944007	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	15043.158903658	Sum of GTIs [s]
date	2012-06-21T14:47:05	Date and time of file creation	ontime3	15046.399944007	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15046.399944007	Sum of GTIs [s]
			ontime6	15046.399944007	Sum of GTIs [s]
			ontime7	15046.399944007	Sum of GTIs [s]
			ontime8	15046.399944007	Sum of GTIs [s]
			l1events	858773	Number of level 1 events

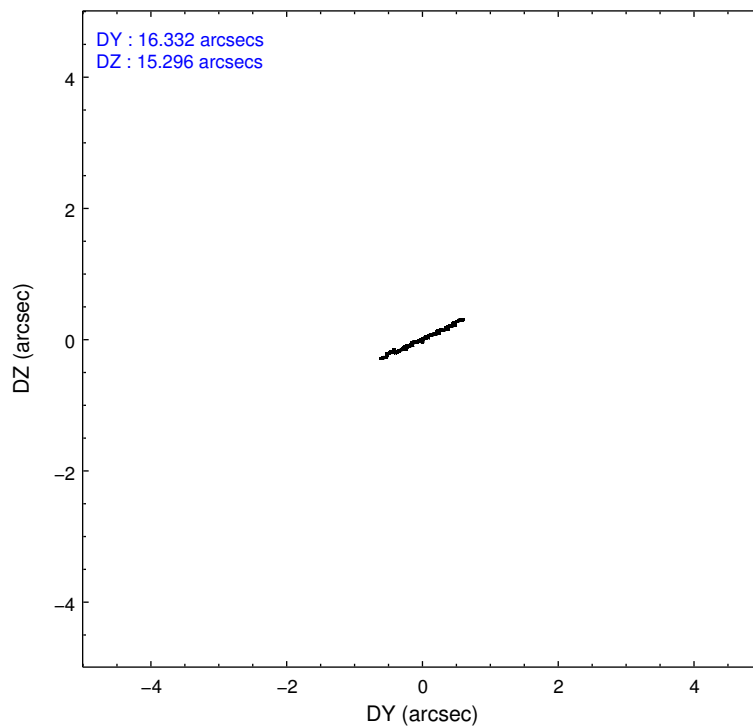
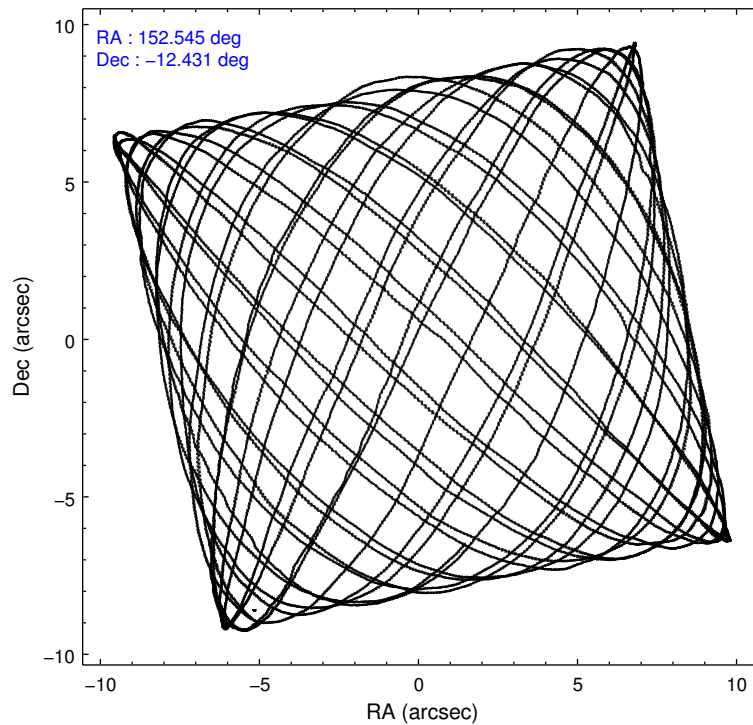
2.1.4 Events

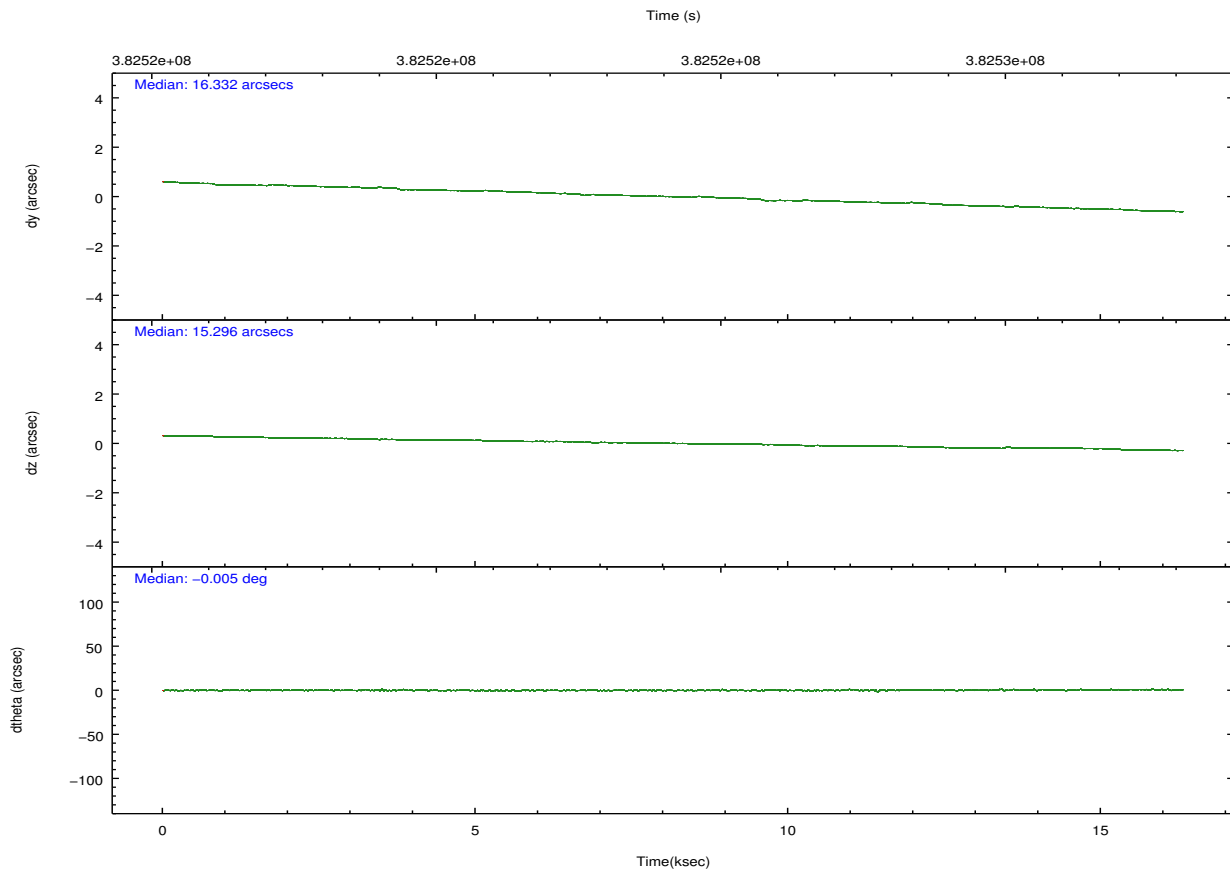
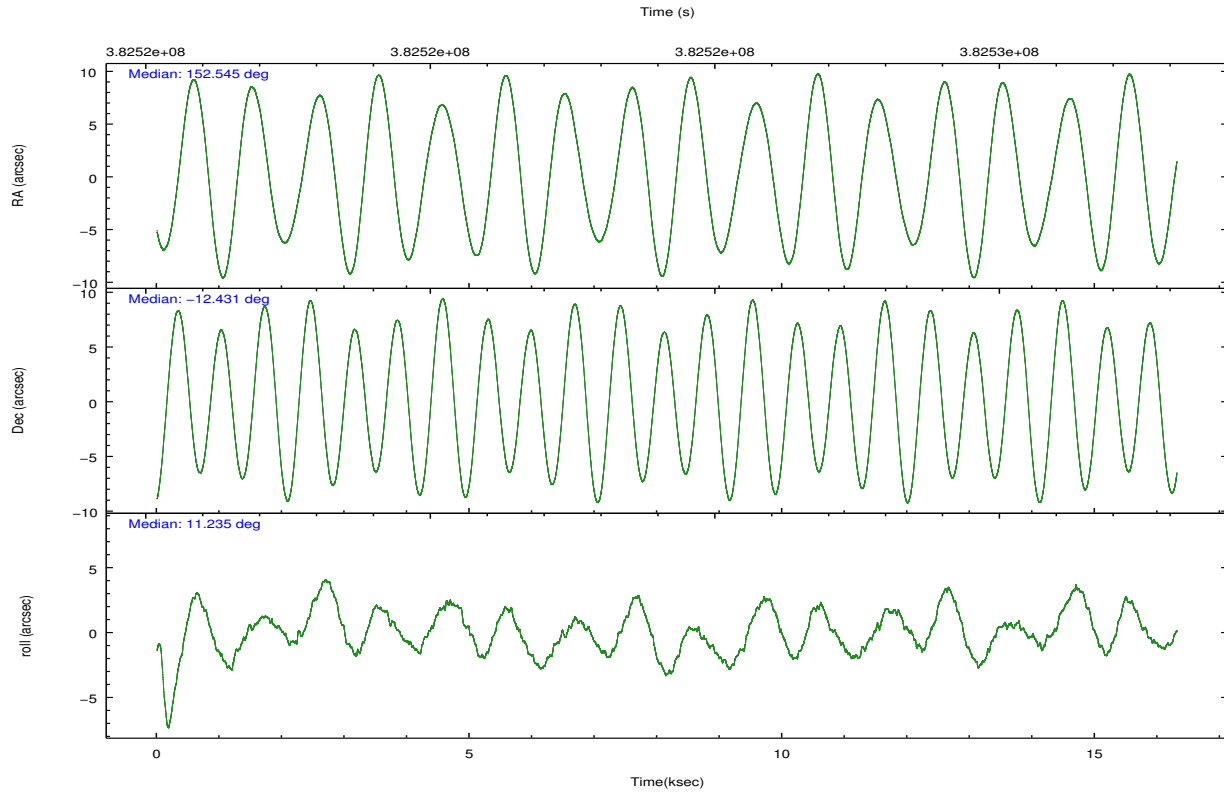
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	129609	118711	186196	122694	144570	156993	grade 0 events	6573	4187	14066	4688	6036	11738
rejected events	114332	106940	90782	109396	78814	116571		5%	3%	7%	3%	4%	7%
rejected %	88%	90%	48%	89%	54%	74%	grade 1 events	84	78	358	79	212	121
								0%	0%	0%	0%	0%	0%
							grade 2 events	3349	2649	27552	2956	13362	9281
								2%	2%	14%	2%	9%	5%
							grade 3 events	1405	1295	3547	1368	5619	4442
								1%	1%	1%	1%	3%	2%
							grade 4 events	1481	1290	3391	1444	5695	4123
								1%	1%	1%	1%	3%	2%
							grade 5 events	4741	5053	13734	5316	15077	7840
								3%	4%	7%	4%	10%	4%
							grade 6 events	2471	2350	46871	2845	35051	10843
								1%	1%	25%	2%	24%	6%
							grade 7 events	109505	101809	76677	103998	63518	108605
								84%	85%	41%	84%	43%	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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	152.523961	152.5447297964893	CCD I2 on	O1	Y
[deg] Pointing Dec	-12.448774	-12.43048042408471	CCD I3 on	O2	Y
[deg] Pointing Roll	11.076814	11.23791759569093	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)	382517320.184000	382515607.64281	CCD S5 on	N	N
Observation start date	2010-02-14T06:47:34	2010-02-14T06:20:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	382532320.184000	382532986.00619	On-chip summing requested	N	N
Observation end date	2010-02-14T10:57:34	2010-02-14T11:09:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



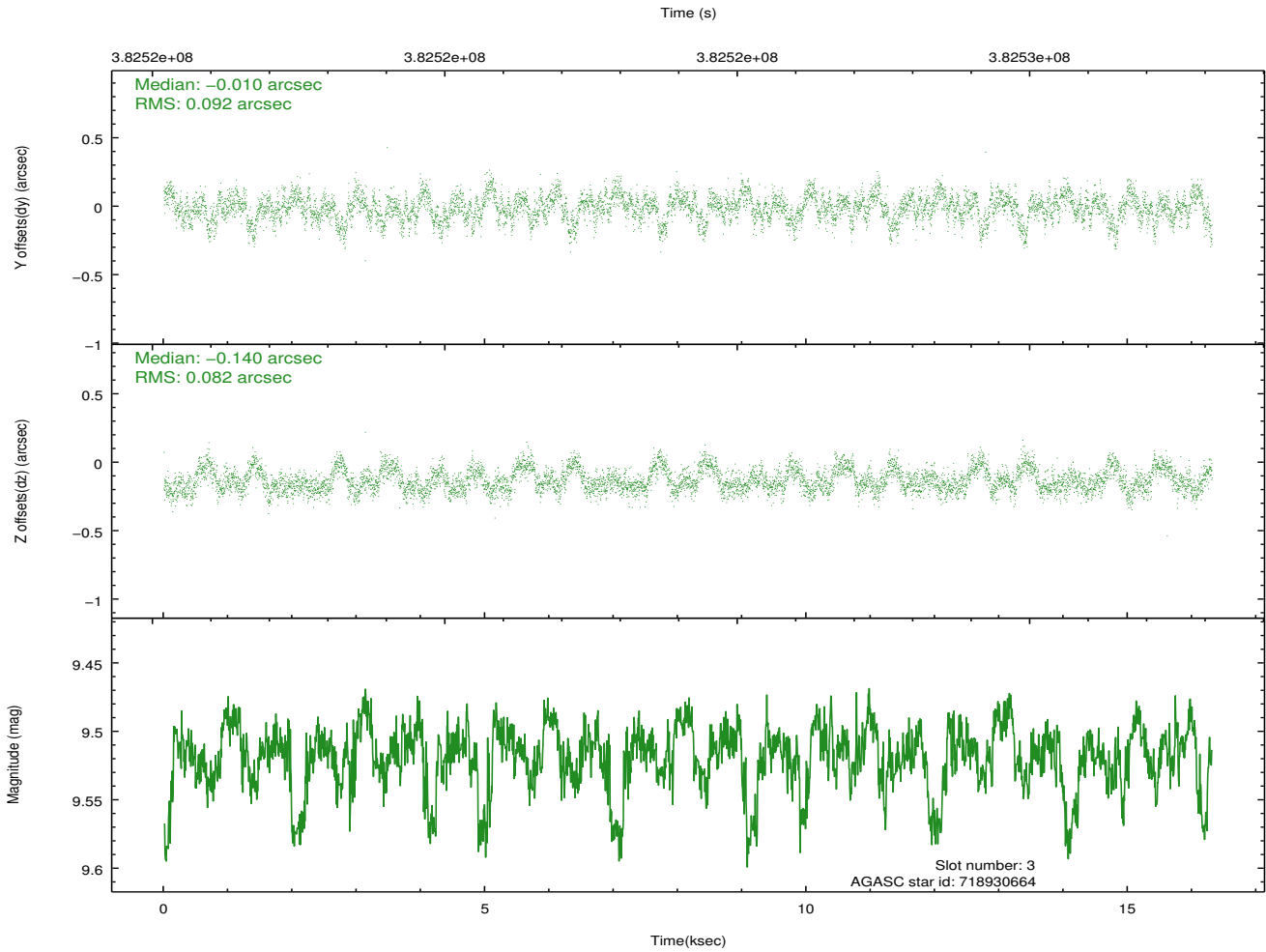
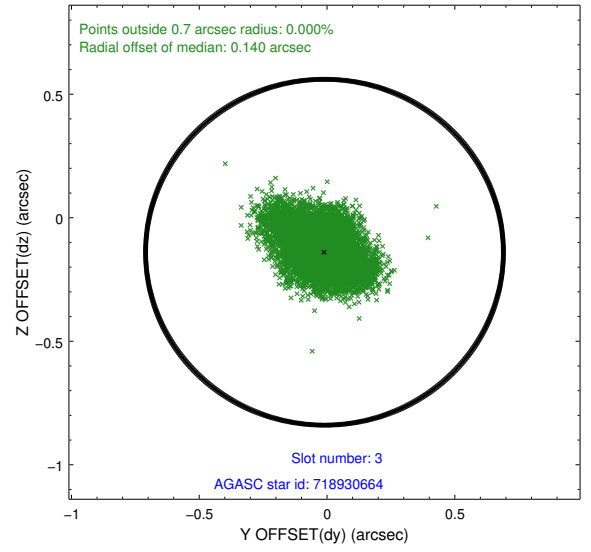
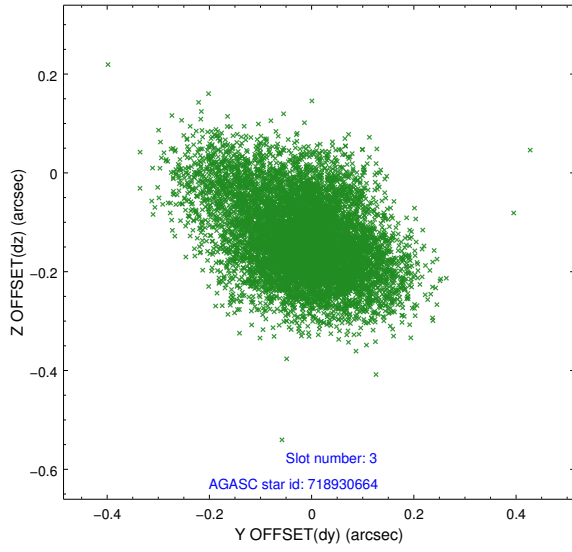


Slot Statistics

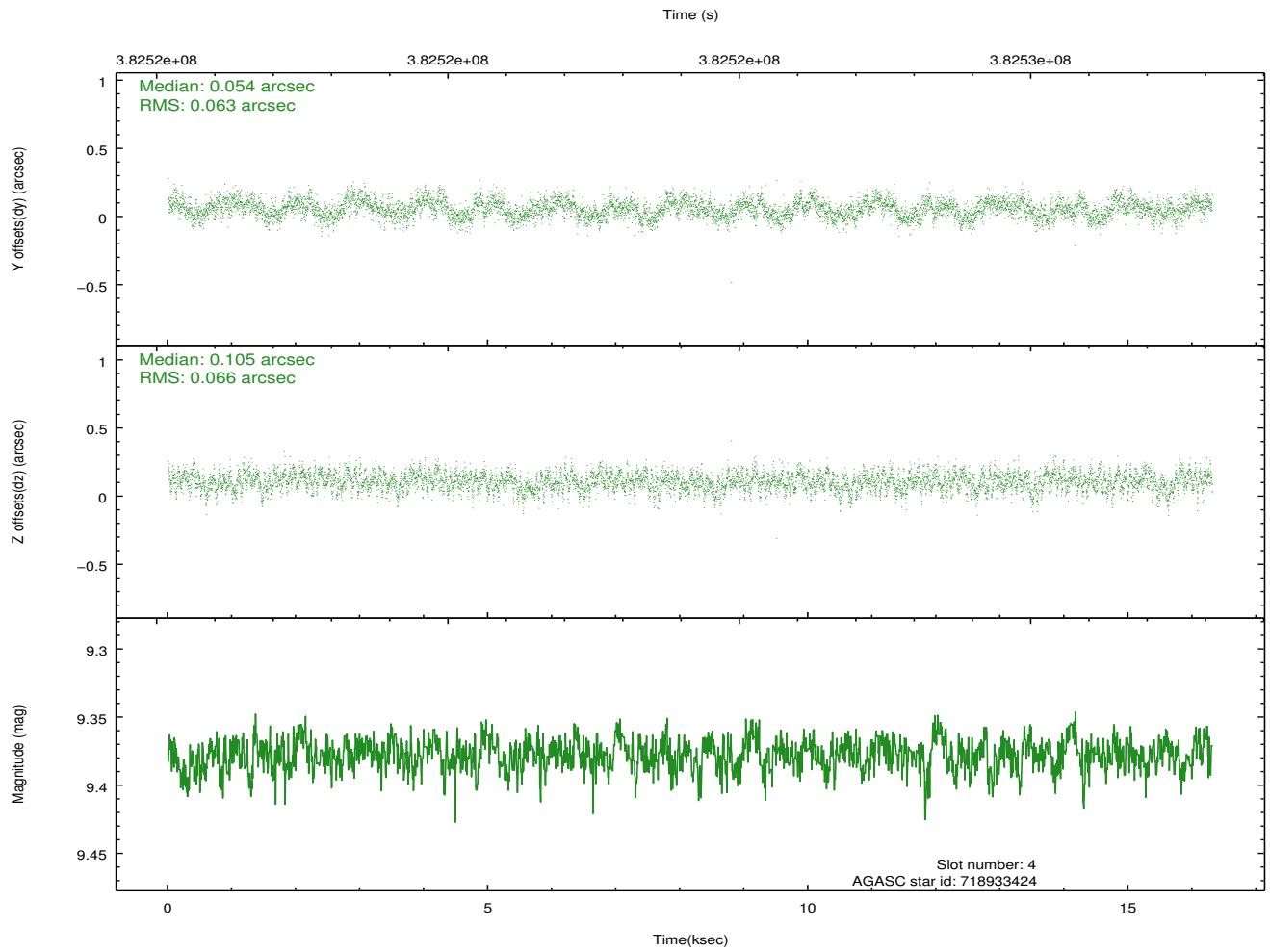
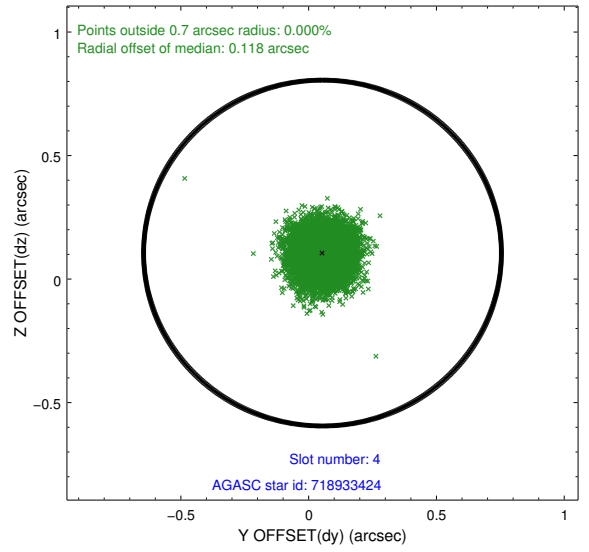
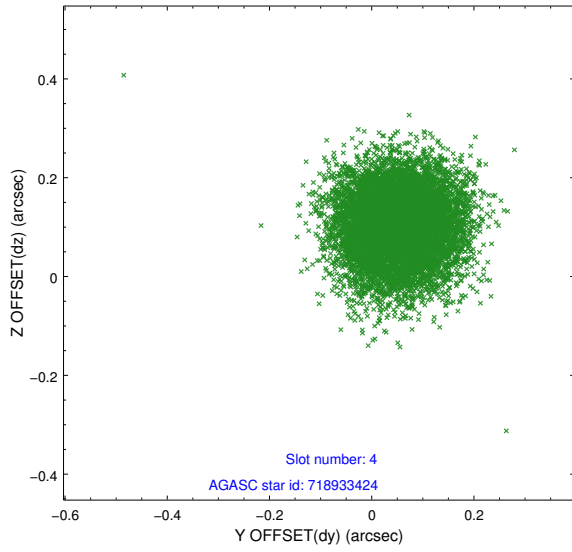
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	3978	-0.108	-0.037	0.009	0.017	0.000000	0.000000	-769.41	-1736.73
1	FID	ACIS-S-4	7.04	3978	0.203	0.062	0.008	0.015	0.000000	0.000000	2144.03	171.61
2	FID	ACIS-S-5	7.07	3977	-0.126	-0.017	0.008	0.014	0.000000	0.000000	-1821.96	165.45
3	GUIDE	718930664	9.52	7943	-0.010	-0.140	0.128	0.219	152.947671	-12.302372	1563.79	229.88
4	GUIDE	718933424	9.38	7954	0.054	0.105	0.098	0.155	152.090123	-13.050108	-1908.59	-1833.17
5	GUIDE	718933456	9.89	7942	0.164	0.126	0.161	0.250	151.956530	-12.802410	-2199.47	-868.78
6	GUIDE	718936192	7.23	7956	-0.269	-0.191	0.074	0.112	152.408460	-11.895216	-16.22	2033.29
7	GUIDE	718933768	10.46	7939	0.059	0.089	0.216	0.339	151.946670	-12.985579	-2358.89	-1509.01

2.4 Star Slots

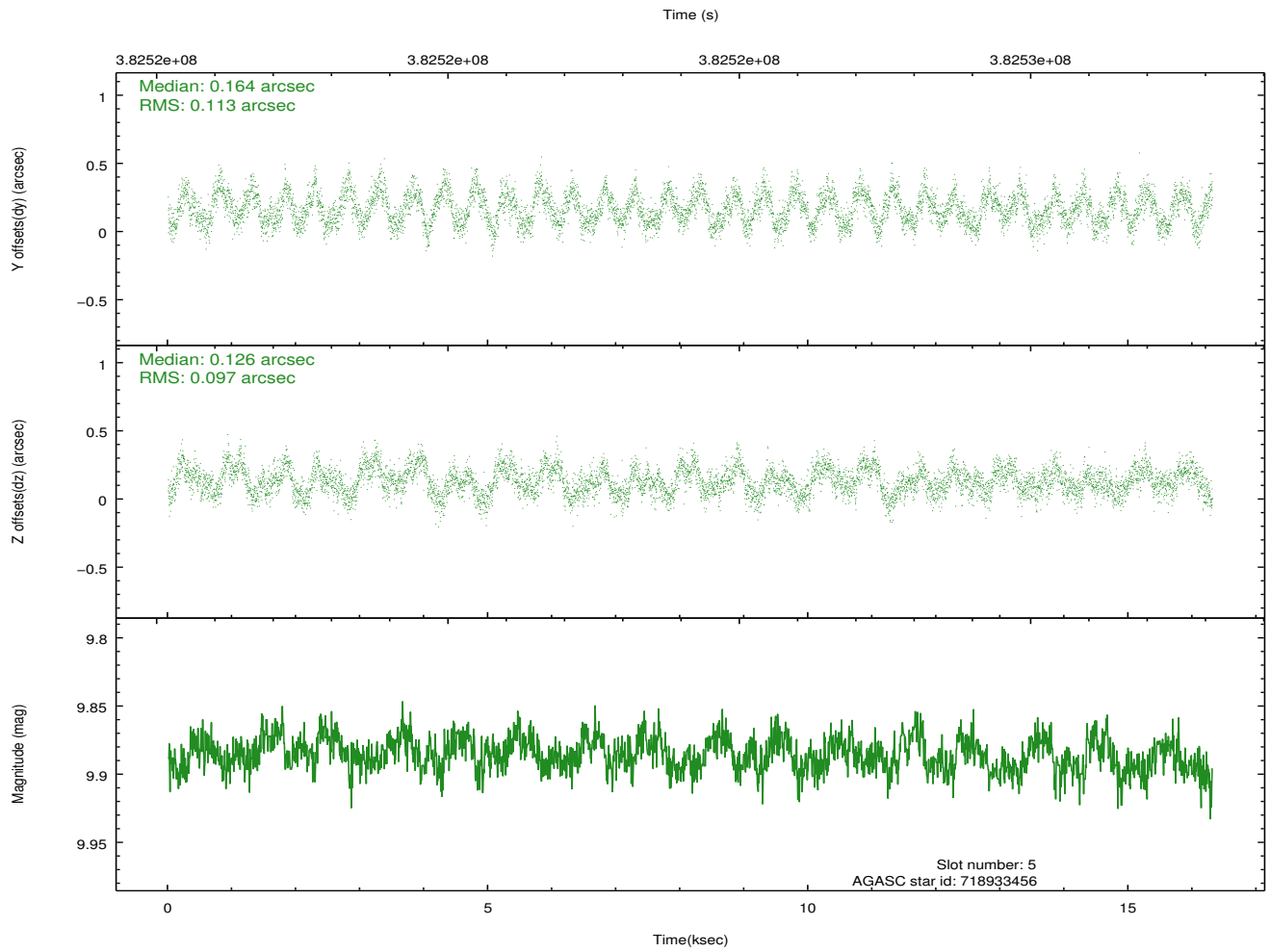
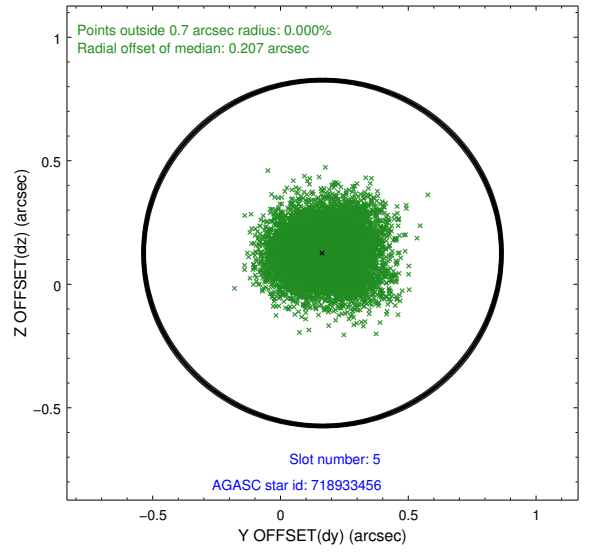
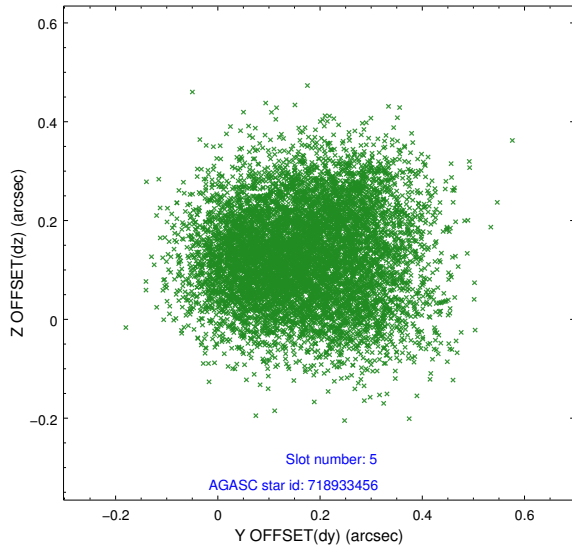
2.4.1 Slot 3



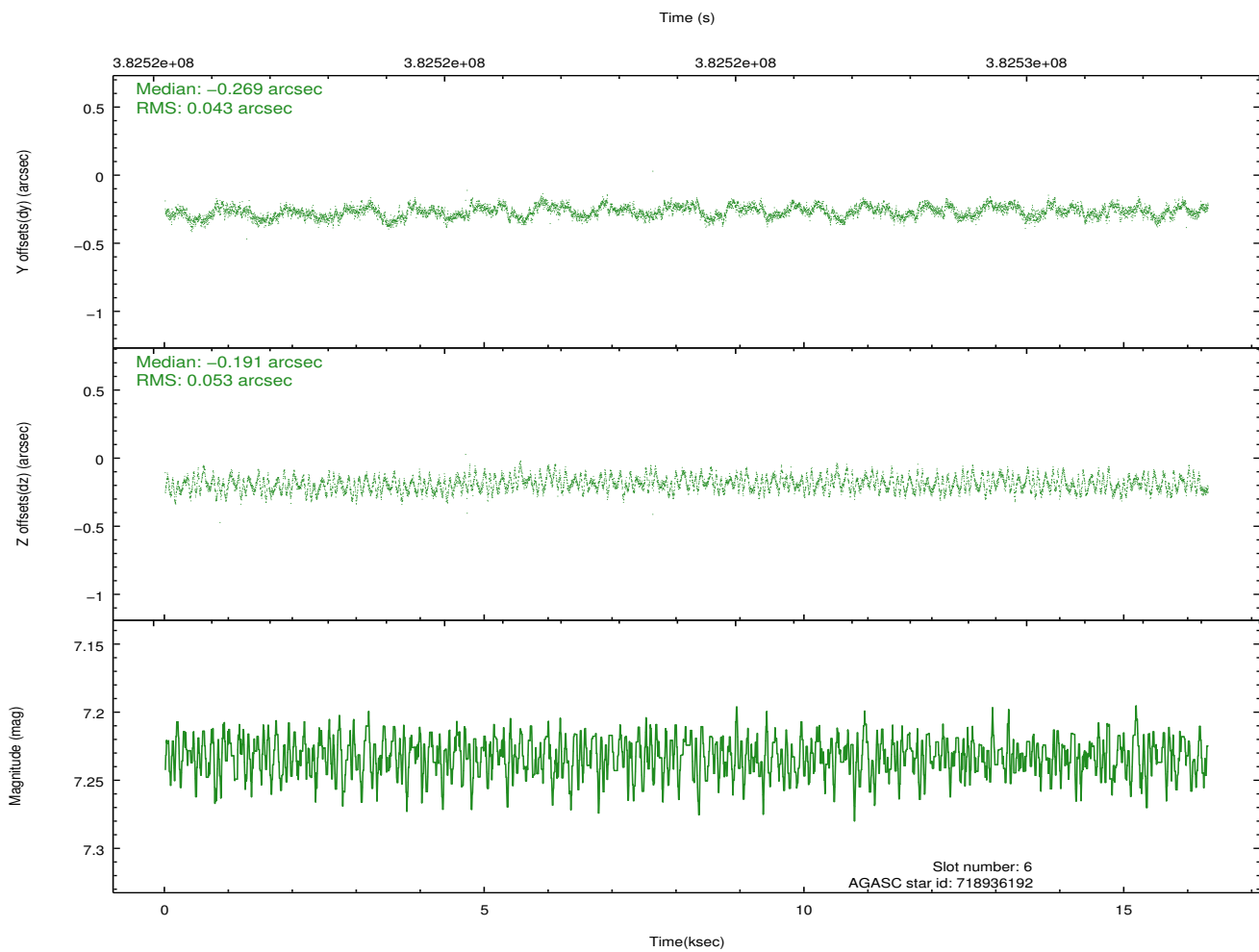
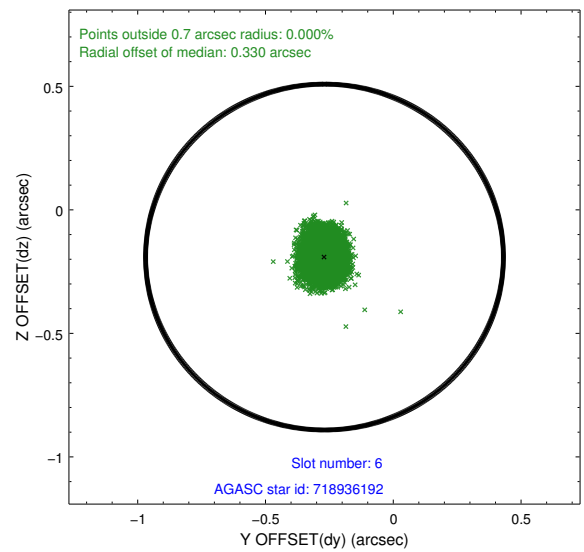
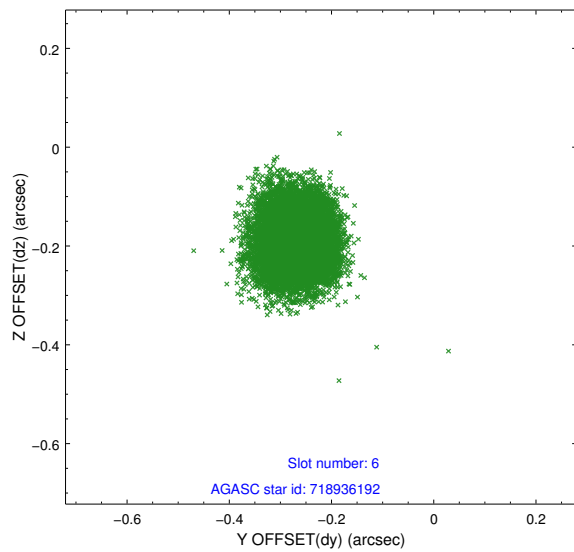
2.4.2 Slot 4



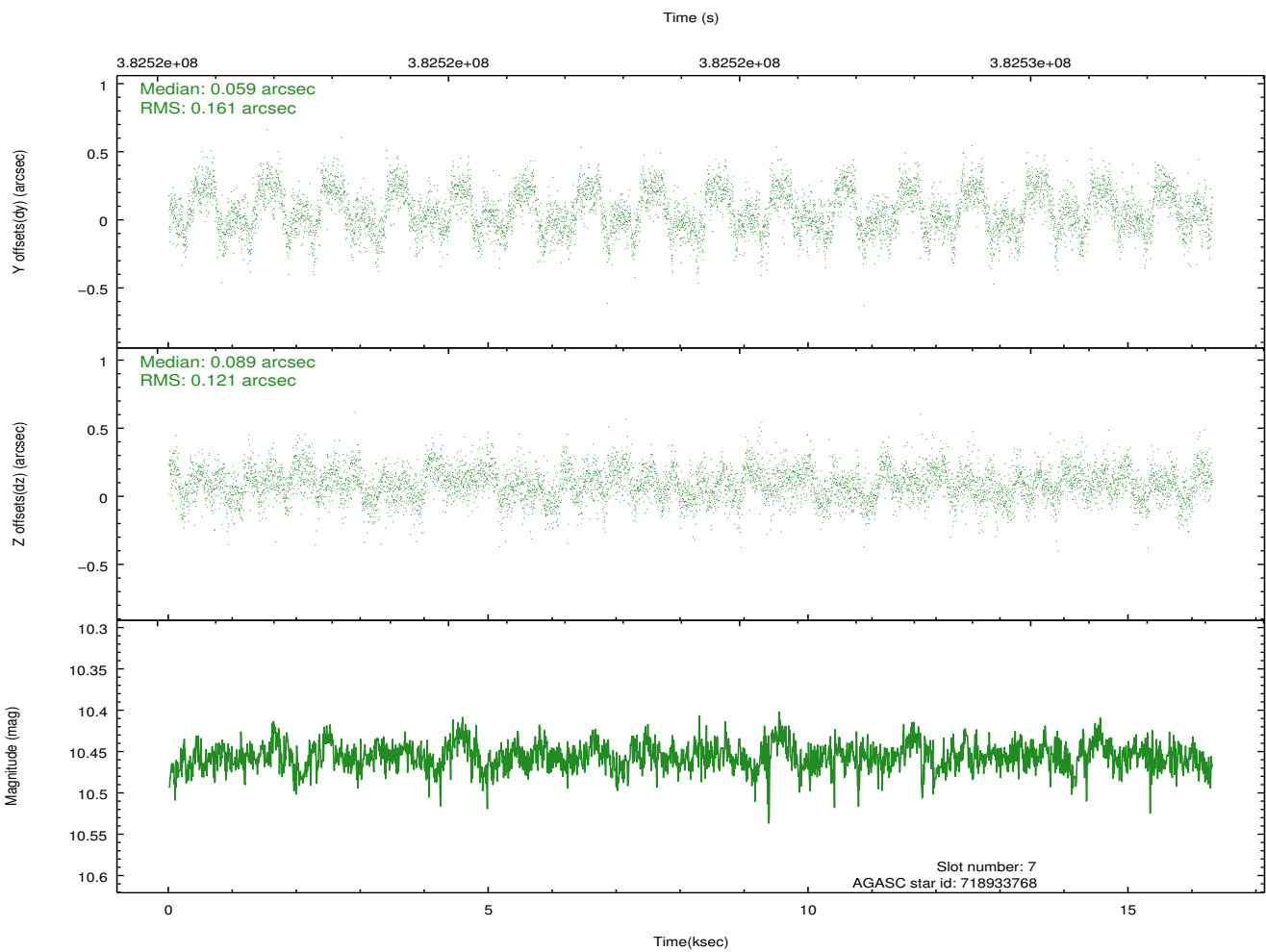
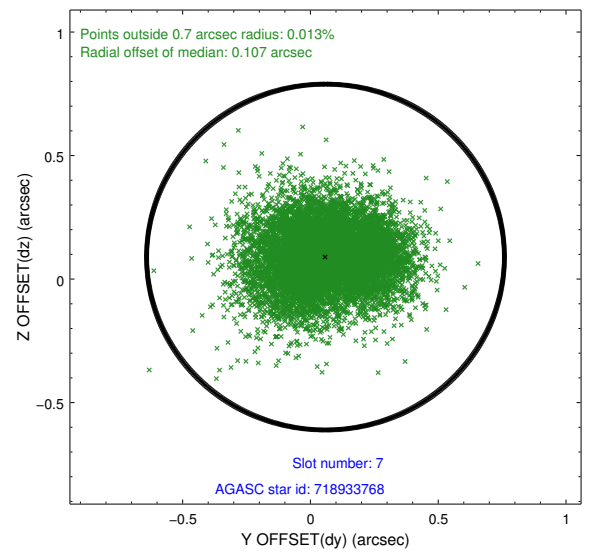
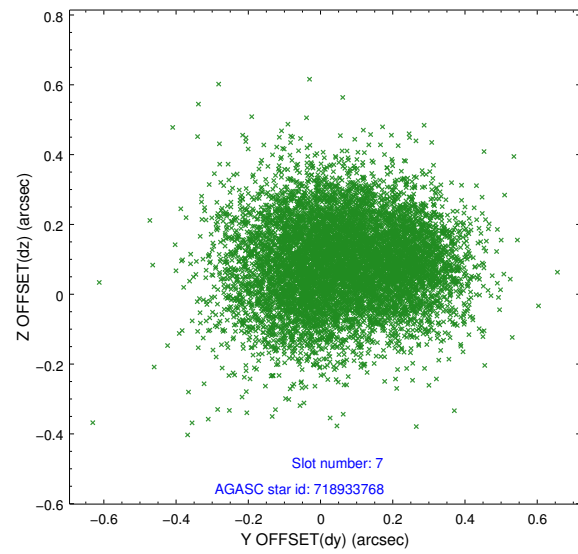
2.4.3 Slot 5



2.4.4 Slot 6

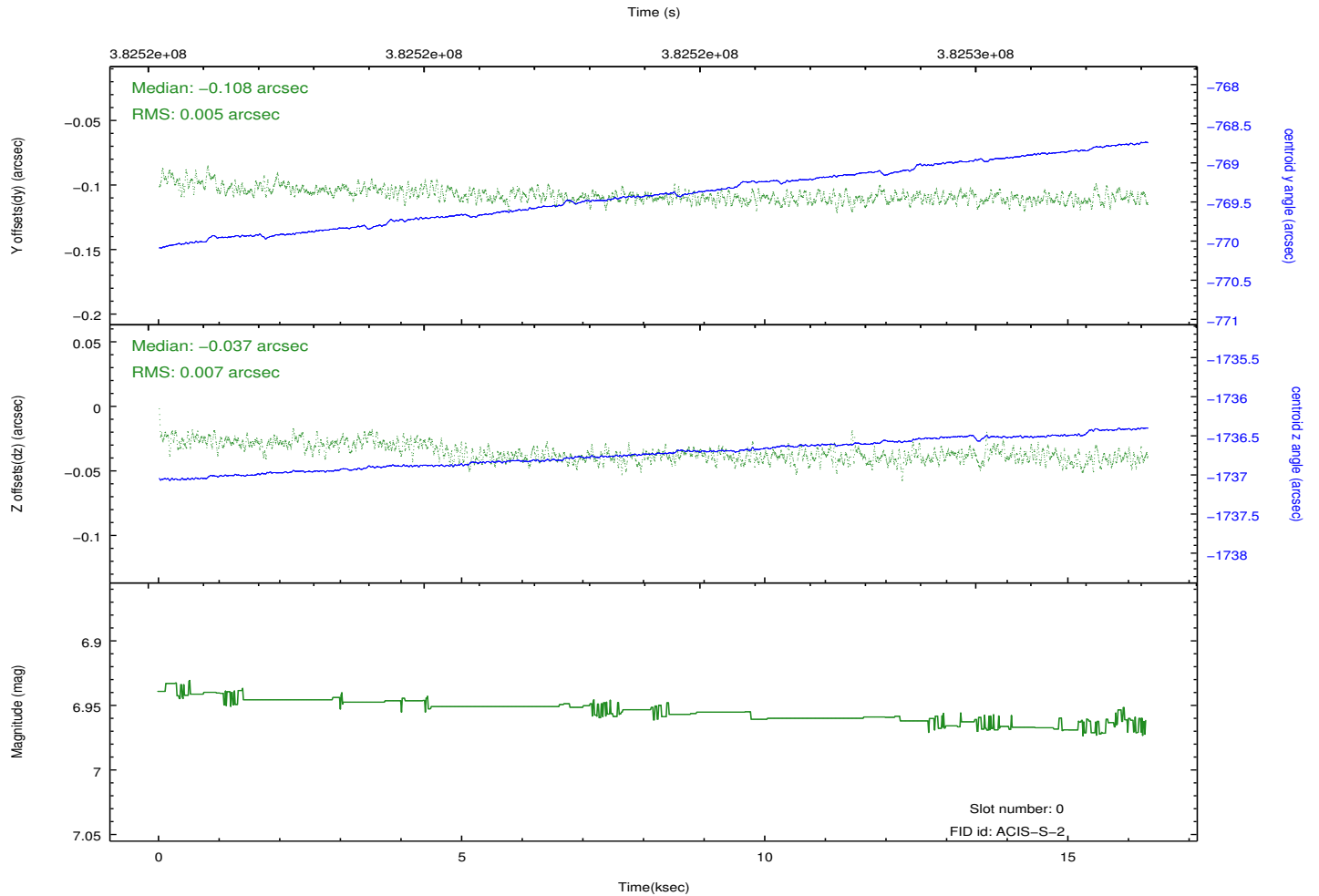
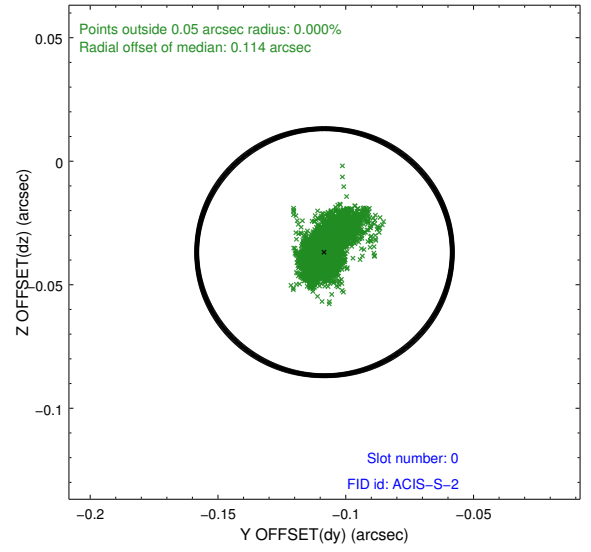
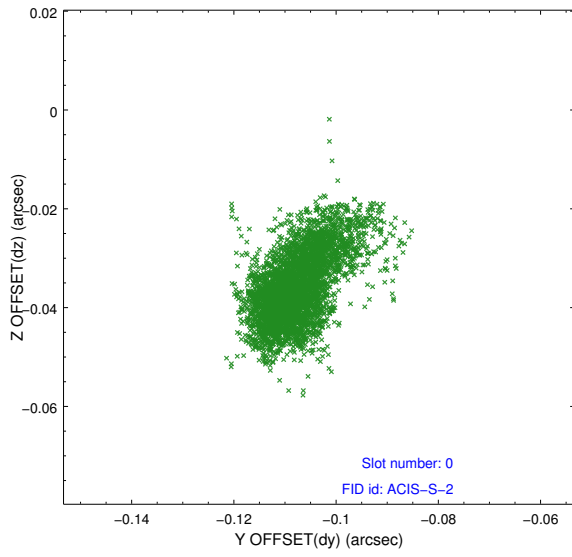


2.4.5 Slot 7

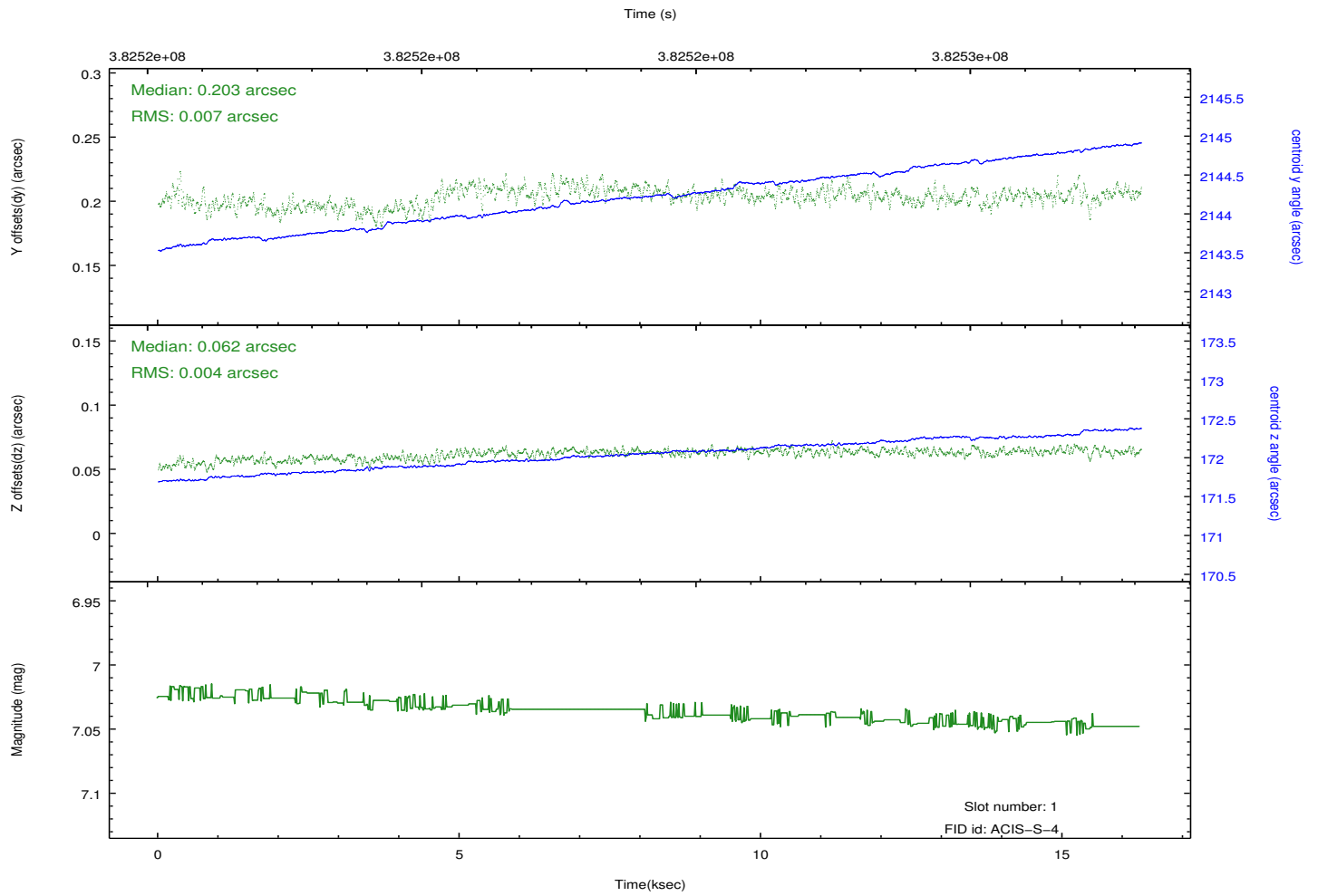
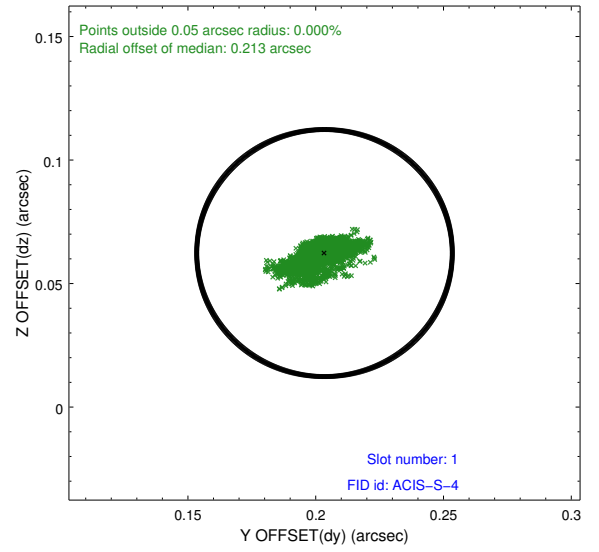
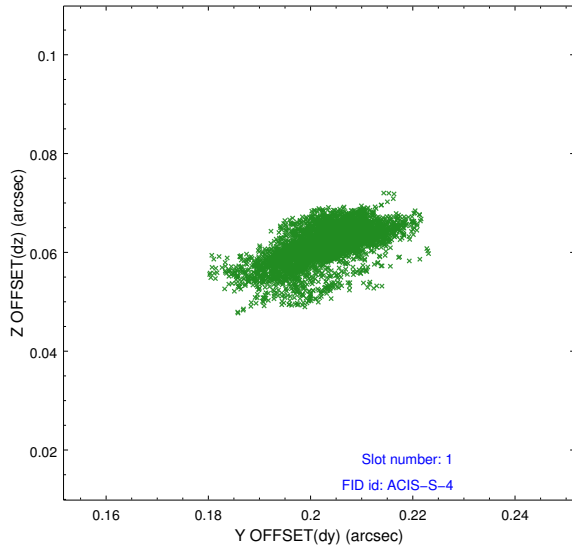


2.5 FID Slots

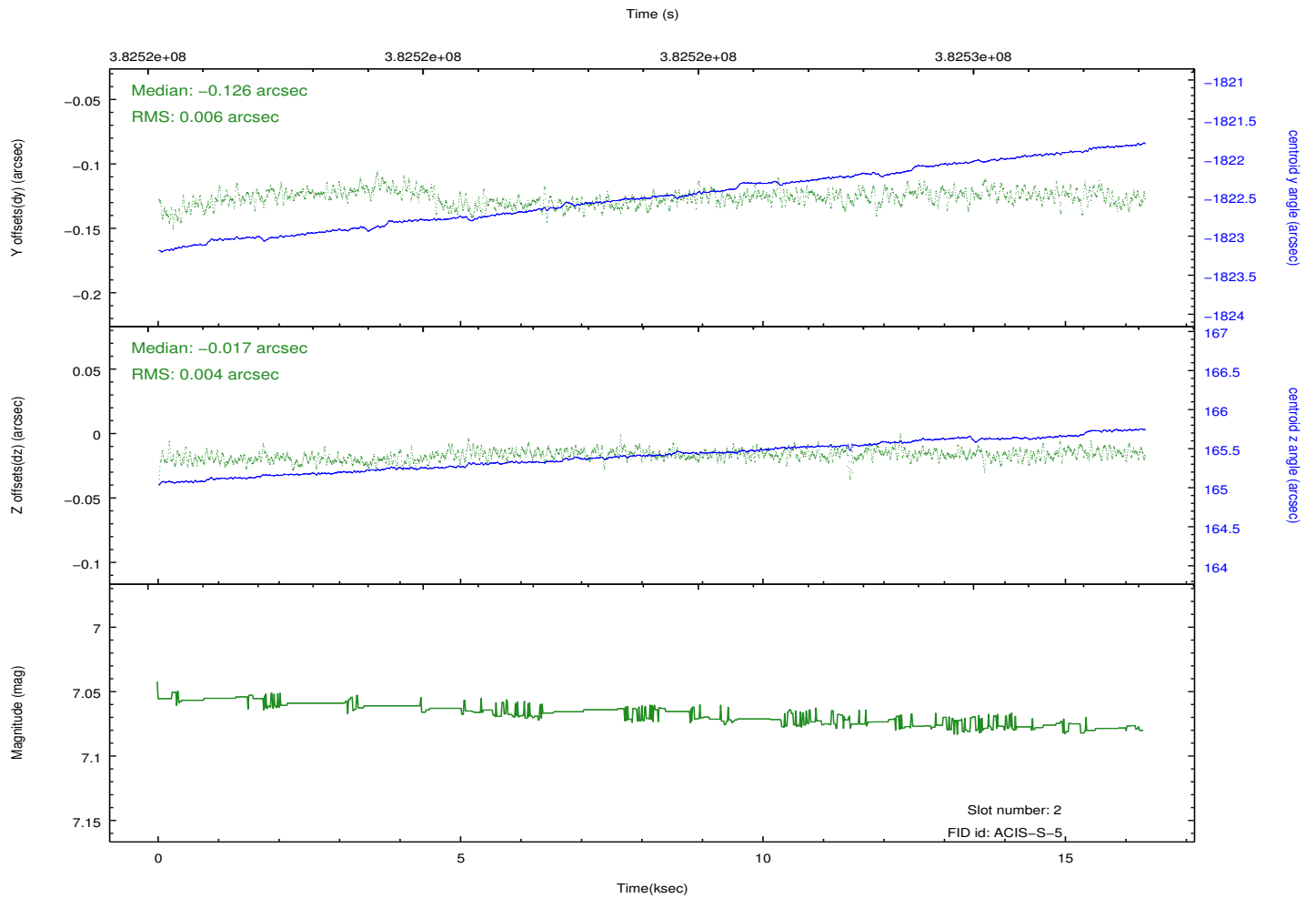
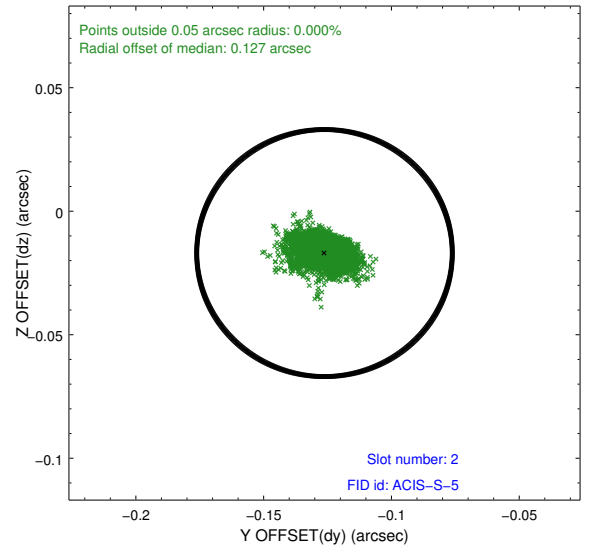
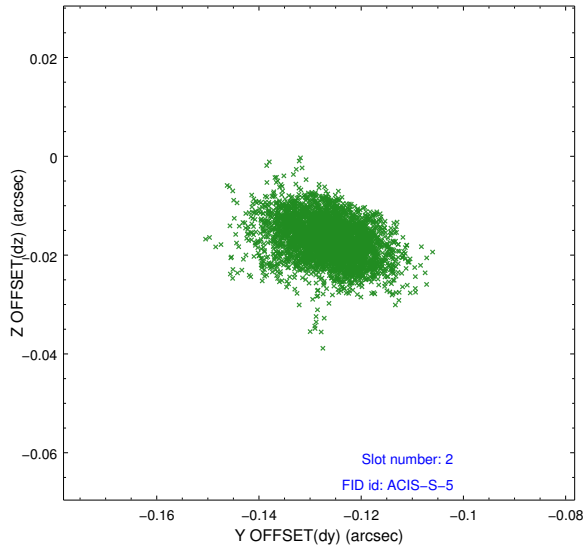
2.5.1 Slot 0



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)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.0463999

A.2 Comments