

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10549 - L2 Version 2
Chandra X-Ray Center

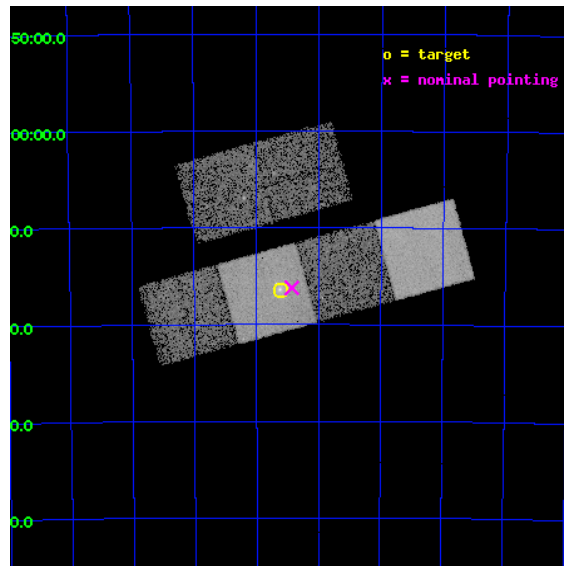
L2 Processing Date : Jun 10 2012

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1 Front

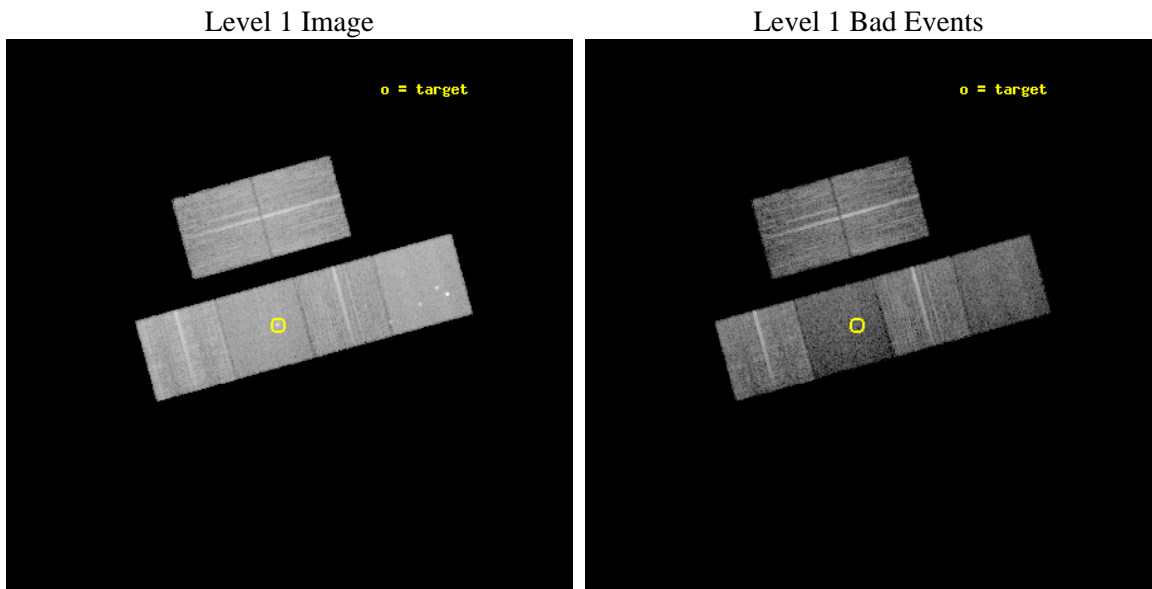
seq_num	600742	Sequence number
obs_id	10549	Observation id
title	A Chandra Study of Field Early-Type Galaxies	Proposal title
observer	Dr. John Mulchaey	Principal investigator
object	NGC 2305	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	102.1553	Observer's specified target RA [deg]
dec_targ	-64.273306	Observer's specified target Dec [deg]
ra_nom	102.10765357047	Nominal RA [deg]
dec_nom	-64.270207349103	Nominal Dec [deg]
roll_nom	164.59979969418	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10041.336549103	Sum of GTIs [s]
livetime	9914.1870995515	Livetime [s]
ontime2	10041.377589107	Sum of GTIs [s]
ontime3	10041.213429093	Sum of GTIs [s]
ontime5	10041.2955091	Sum of GTIs [s]
ontime6	10041.254469097	Sum of GTIs [s]
ontime7	10041.336549103	Sum of GTIs [s]
ontime8	10041.17238909	Sum of GTIs [s]
l2events	122773	Number of level 2 events



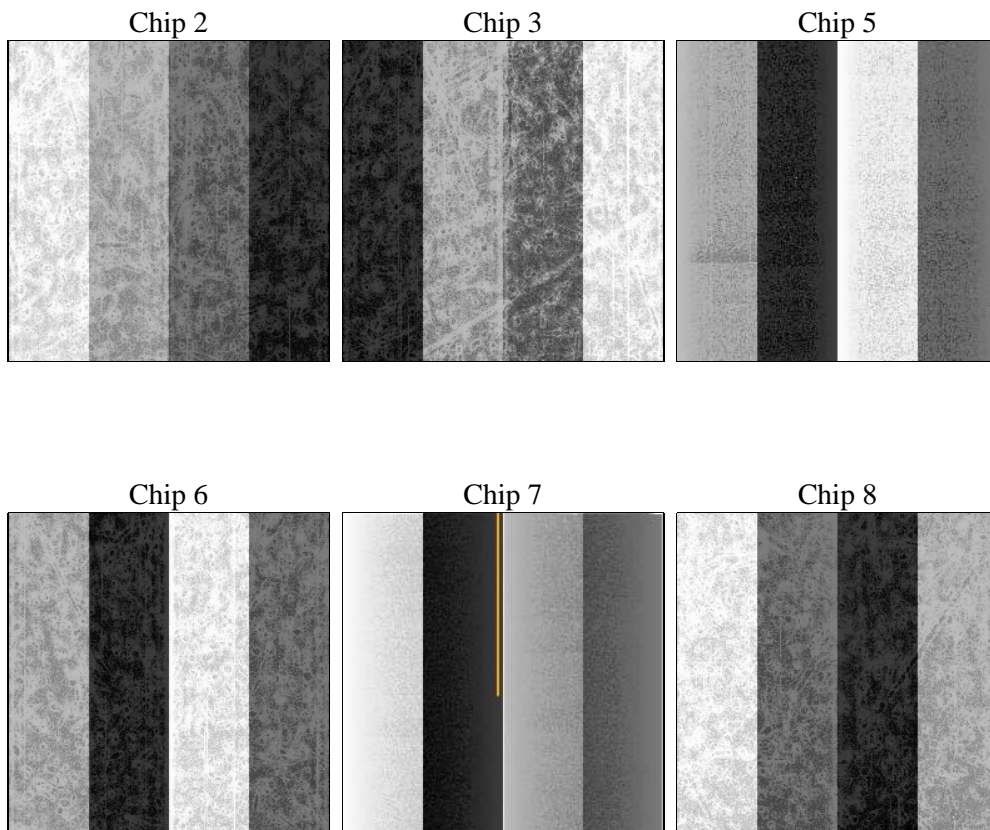
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.687000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10041.336549103	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	10041.377589107	Sum of GTIs [s]
date	2012-06-10T12:08:02	Date and time of file creation	ontime3	10041.213429093	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10041.2955091	Sum of GTIs [s]
			ontime6	10041.254469097	Sum of GTIs [s]
			ontime7	10041.336549103	Sum of GTIs [s]
			ontime8	10041.17238909	Sum of GTIs [s]
			l1events	547328	Number of level 1 events

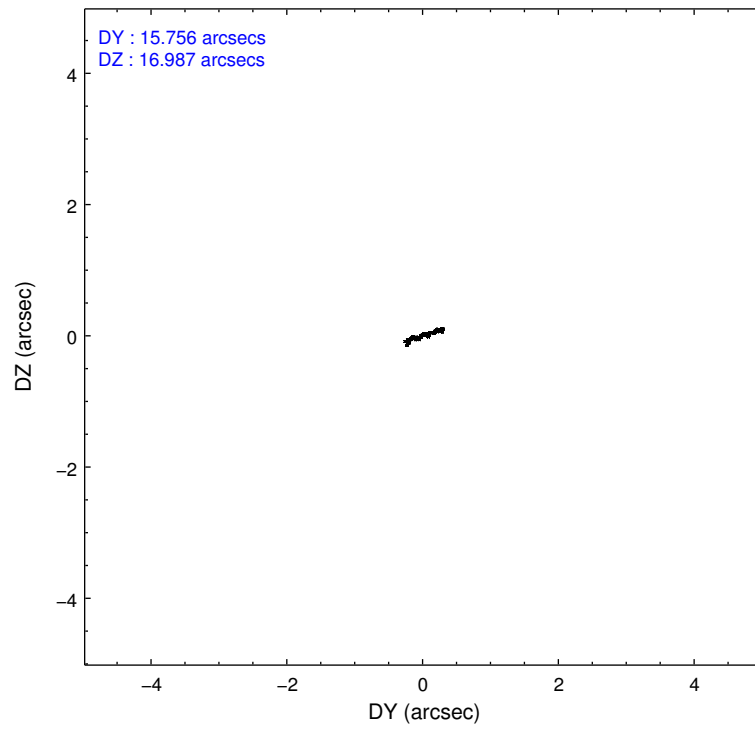
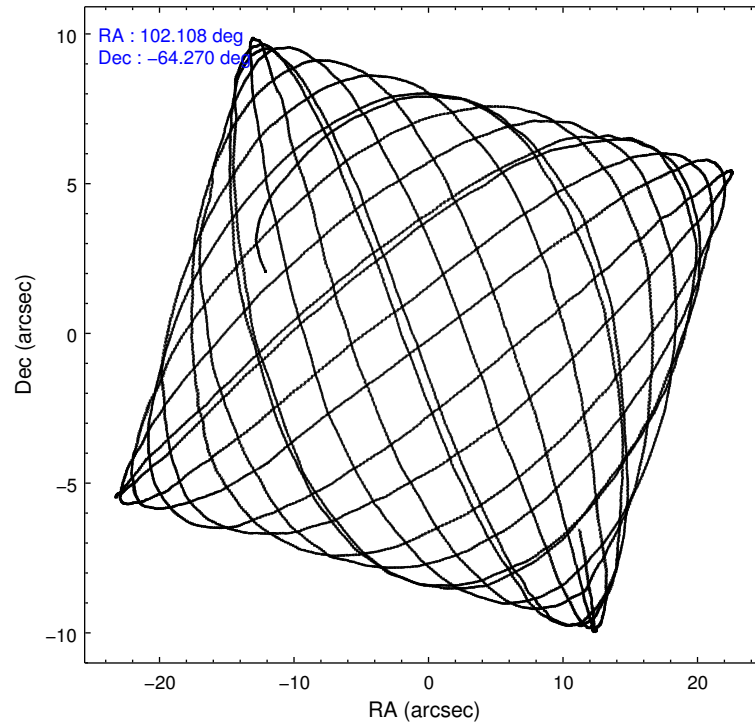
2.1.4 Events

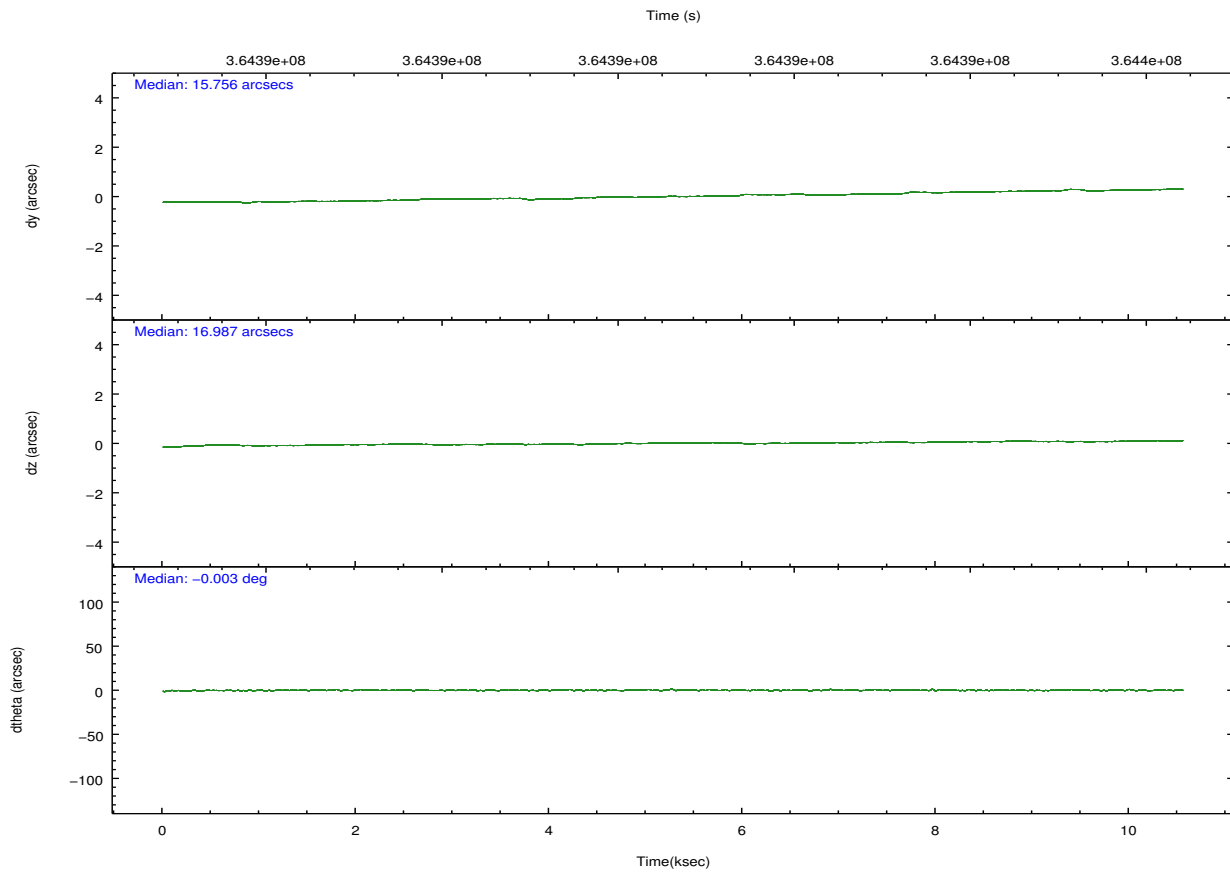
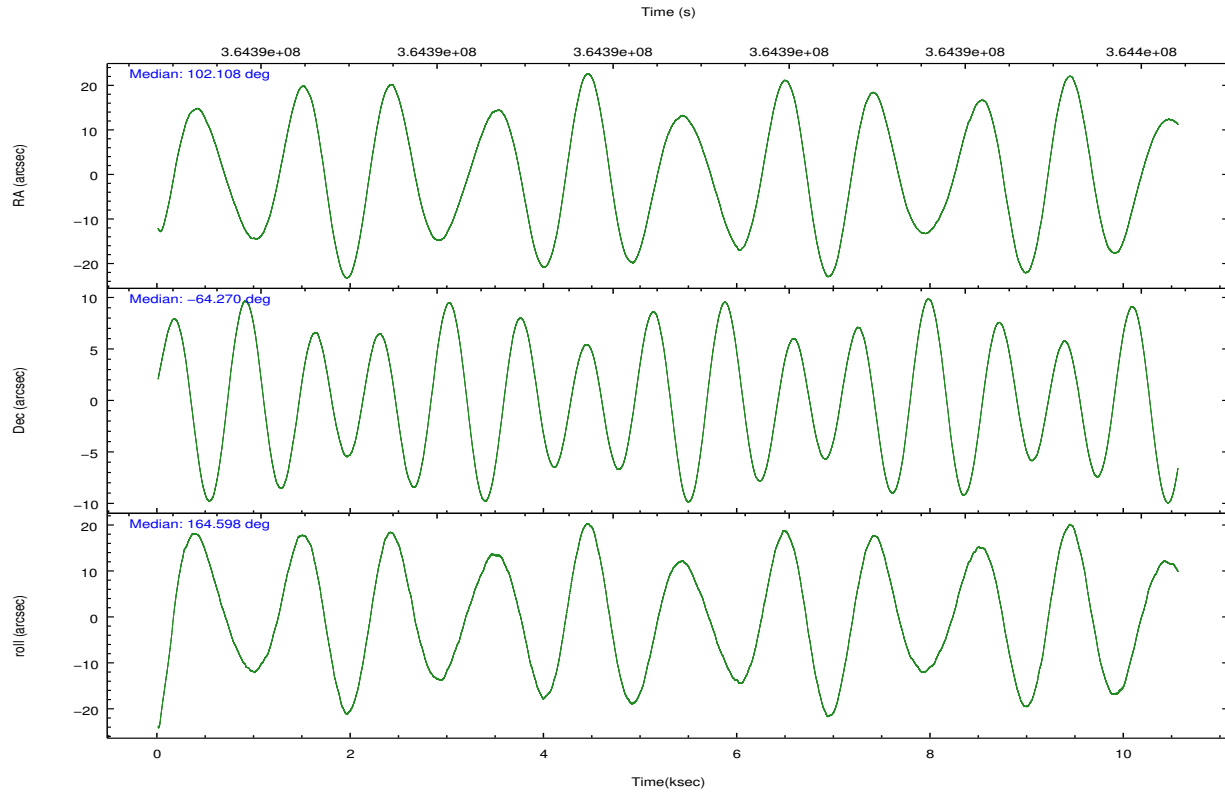
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	88813	78917	108002	83725	83786	104085	grade 0 events	3046	2926	6494	3234	5281	7614
rejected events	80769	71197	49881	75072	41043	77843		3%	3%	6%	3%	6%	7%
rejected %	90%	90%	46%	89%	48%	74%	grade 1 events	55	43	295	38	148	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	1931	1674	18538	1887	9386	6139
								2%	2%	17%	2%	11%	5%
							grade 3 events	825	849	2418	917	4129	2952
								0%	1%	2%	1%	4%	2%
							grade 4 events	838	832	2489	889	4044	2620
								0%	1%	2%	1%	4%	2%
							grade 5 events	2363	2858	8533	2859	8659	4302
								2%	3%	7%	3%	10%	4%
							grade 6 events	1408	1444	28232	1733	19930	6924
								1%	1%	26%	2%	23%	6%
							grade 7 events	78347	68291	41003	72168	32209	73445
								88%	86%	37%	86%	38%	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	102.168294	102.1076535704688	CCD I2 on	O3	Y
[deg] Pointing Dec	-64.262930	-64.27020734910298	CCD I3 on	O4	Y
[deg] Pointing Roll	164.497804	164.5997996941849	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O5	Y
[s] Observation start time (MET)	364385909.184000	364384718.95477	CCD S5 on	N	N
Observation start date	2009-07-19T10:17:23	2009-07-19T09:58:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	364395910.184000	364396137.45534	On-chip summing requested	N	N
Observation end date	2009-07-19T13:04:04	2009-07-19T13:08:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



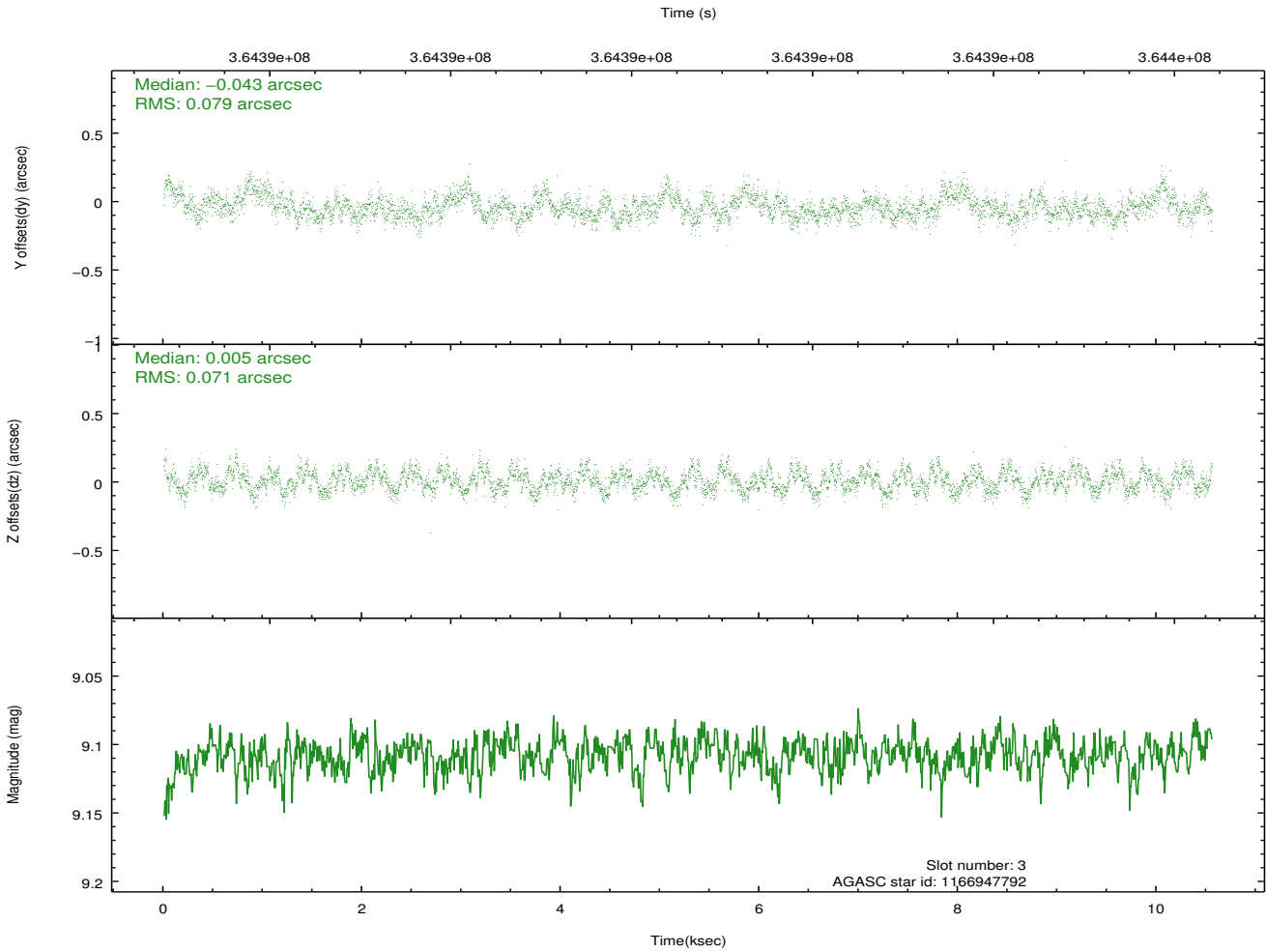
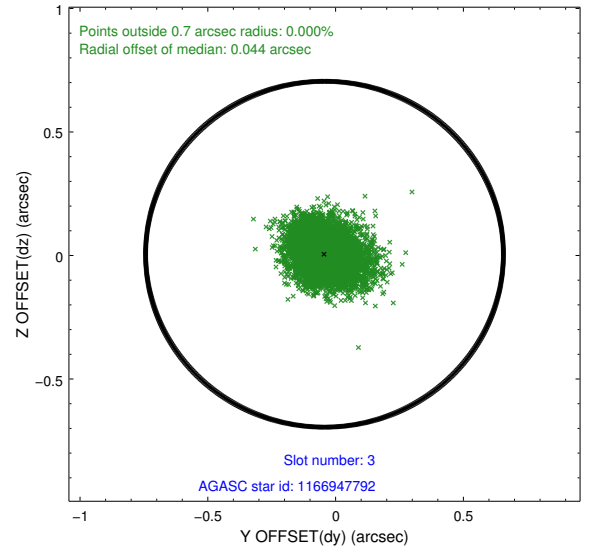
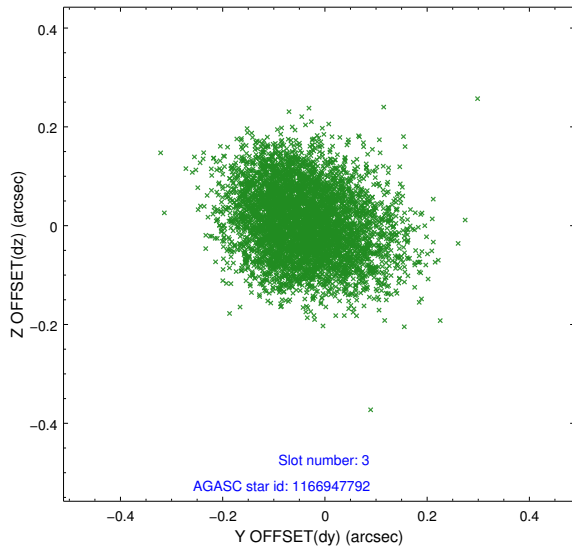


Slot Statistics

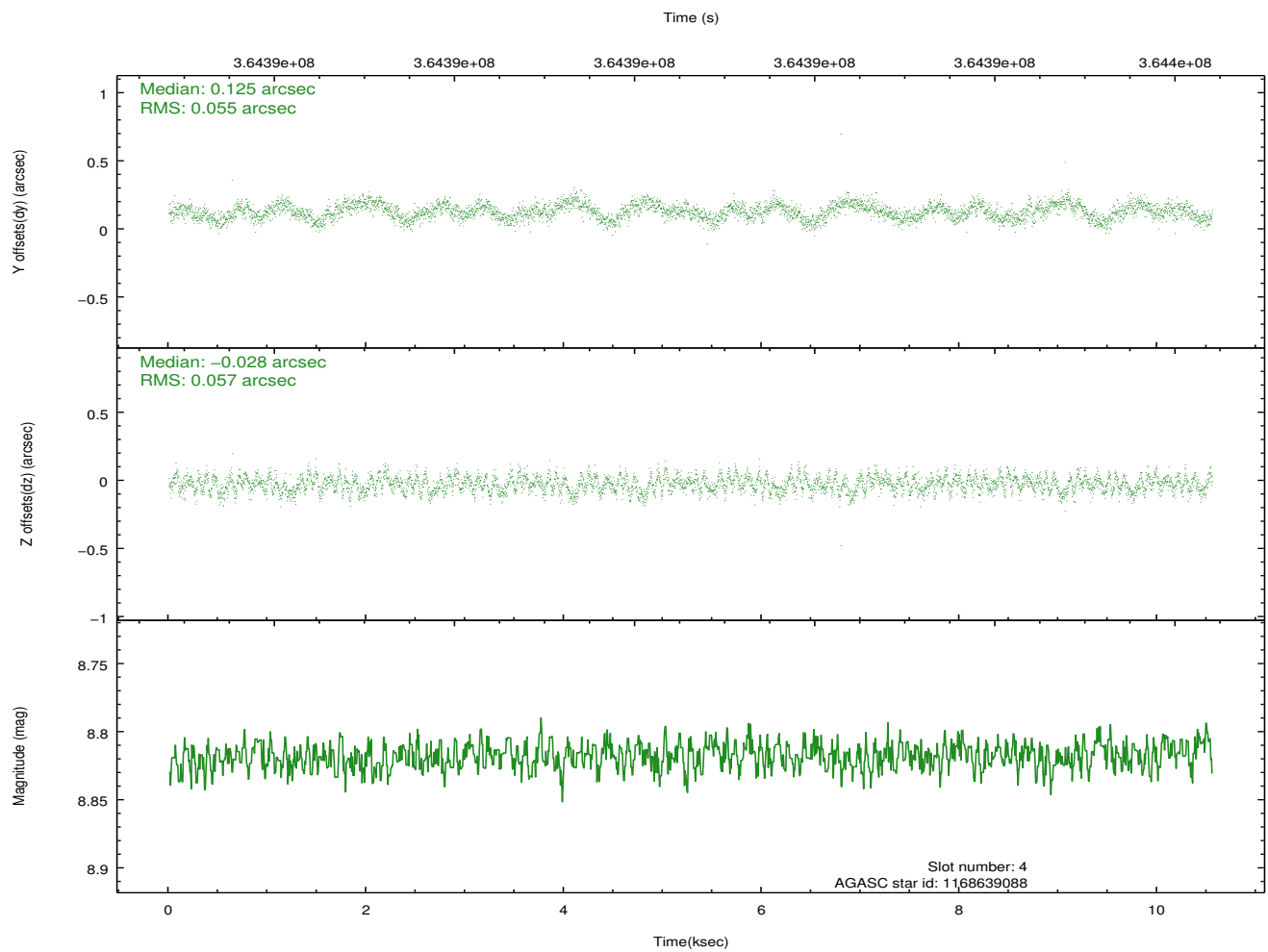
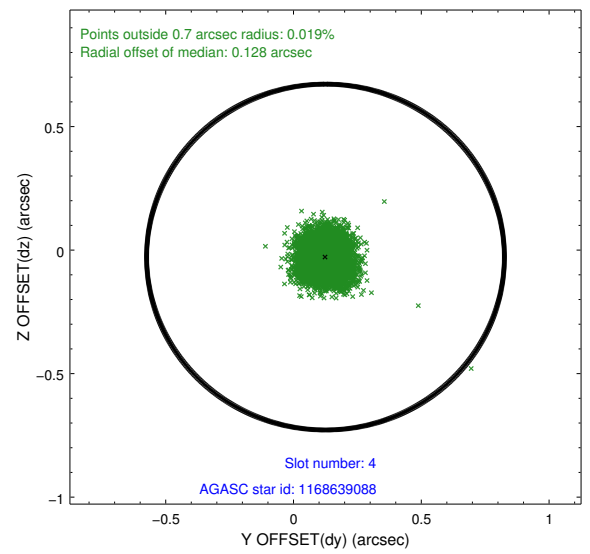
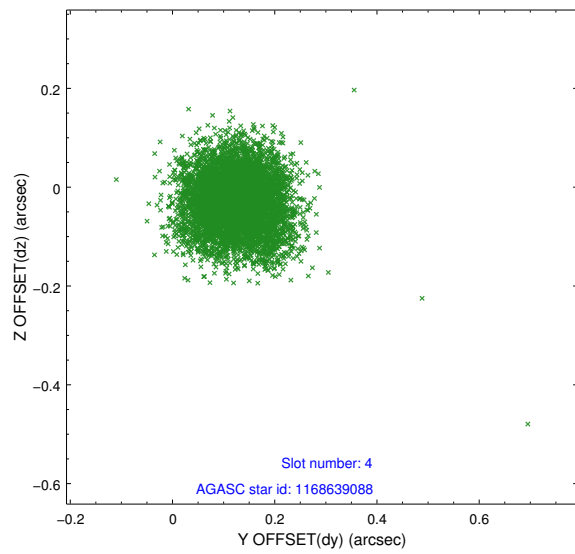
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	2574	-0.069	-0.018	0.007	0.013	0.000000	0.000000	-768.86	-1738.37
1	FID	ACIS-S-4	6.99	2572	0.150	0.038	0.007	0.020	0.000000	0.000000	2144.45	169.60
2	FID	ACIS-S-5	7.02	2574	-0.112	-0.011	0.008	0.017	0.000000	0.000000	-1821.08	163.86
3	GUIDE	1166947792	9.11	5146	-0.043	0.005	0.113	0.181	100.846791	-63.900834	2359.32	-675.37
4	GUIDE	1168639088	8.82	5146	0.125	-0.028	0.084	0.132	103.303296	-64.049286	-1520.61	-1203.53
5	GUIDE	1168641440	9.23	5145	0.012	0.004	0.090	0.145	103.312583	-63.900137	-1401.32	-1727.37
6	GUIDE	1168642432	7.66	5147	-0.110	0.029	0.062	0.096	103.443857	-64.017181	-1707.43	-1370.92
7	GUIDE	1168650480	8.97	5138	0.013	-0.001	0.071	0.116	103.176853	-64.707878	-1926.23	1140.74

2.4 Star Slots

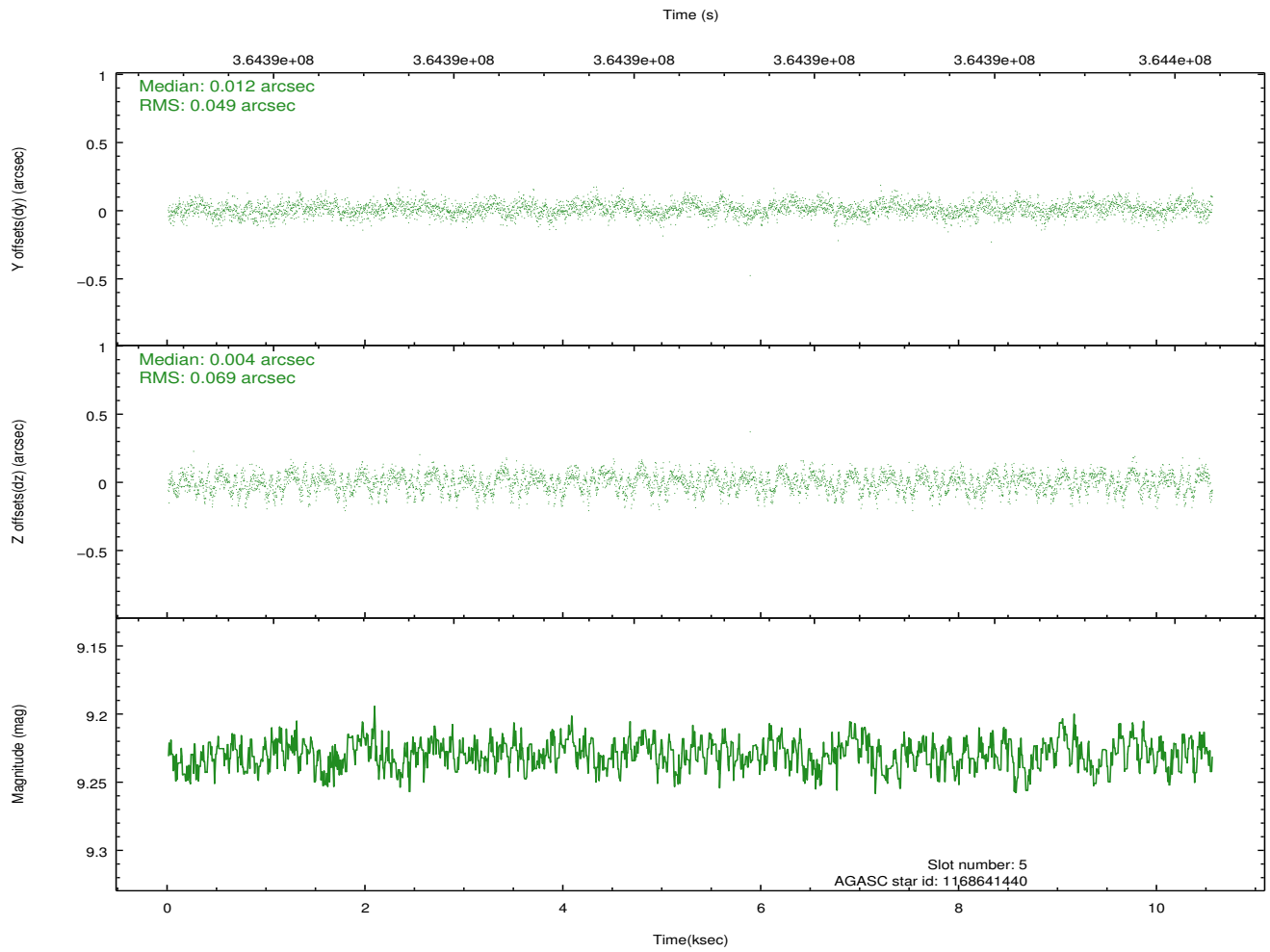
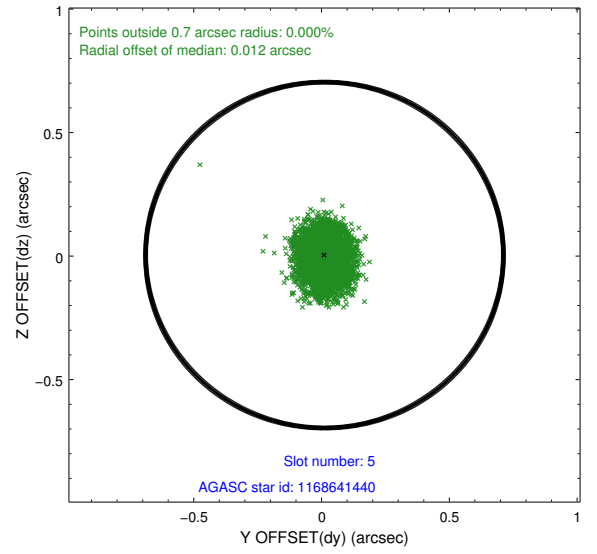
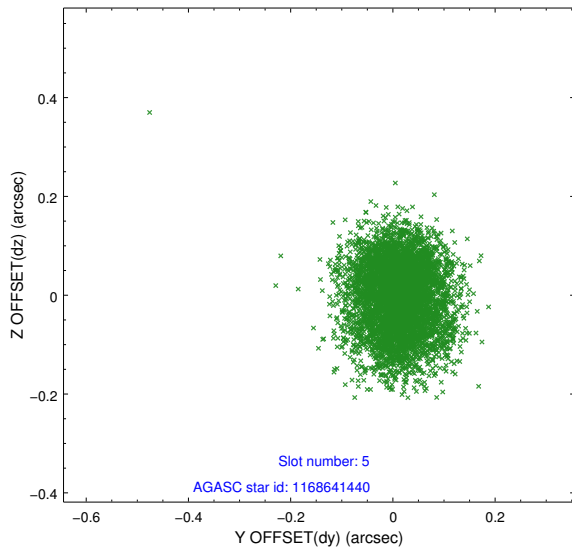
2.4.1 Slot 3



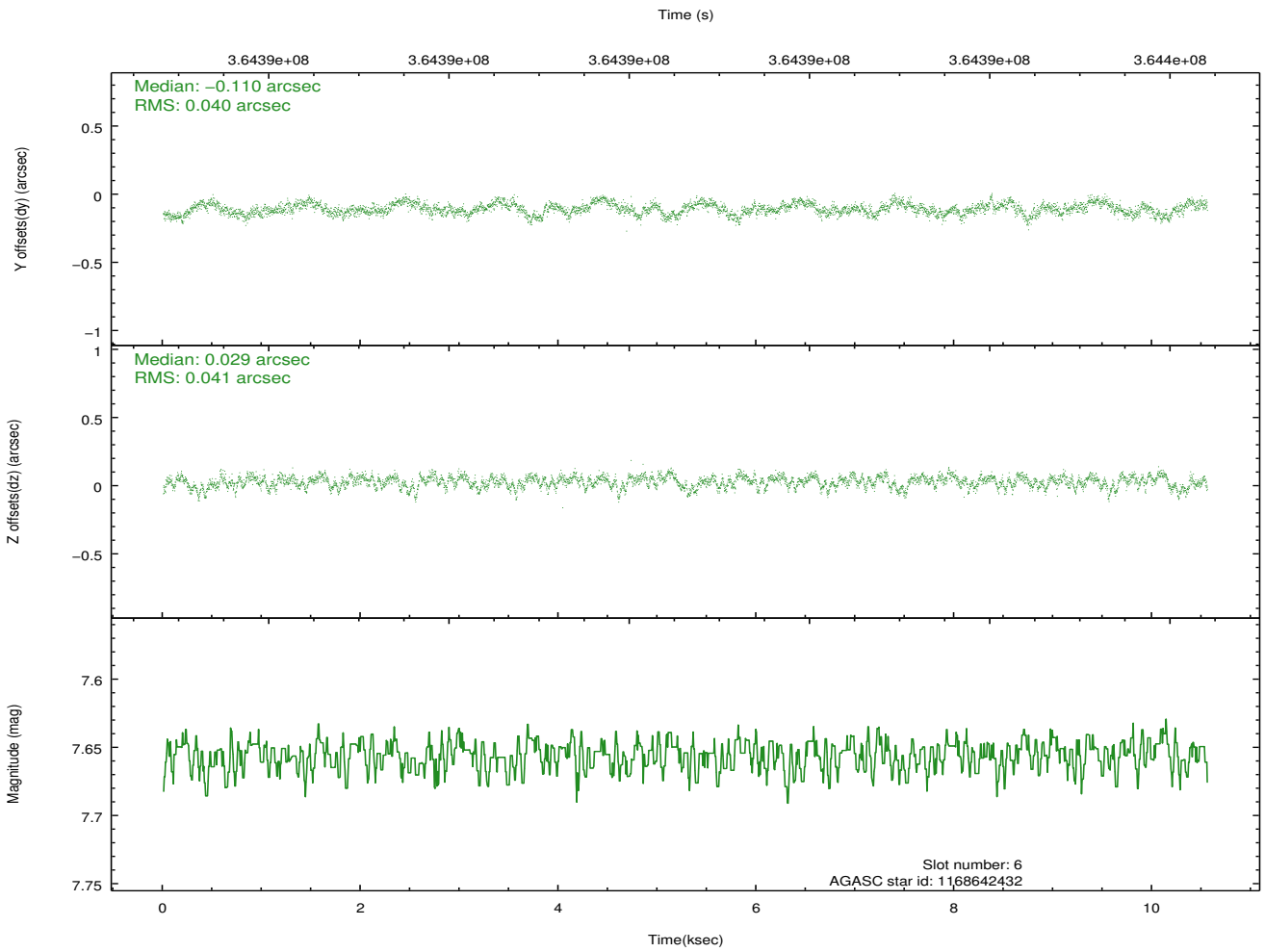
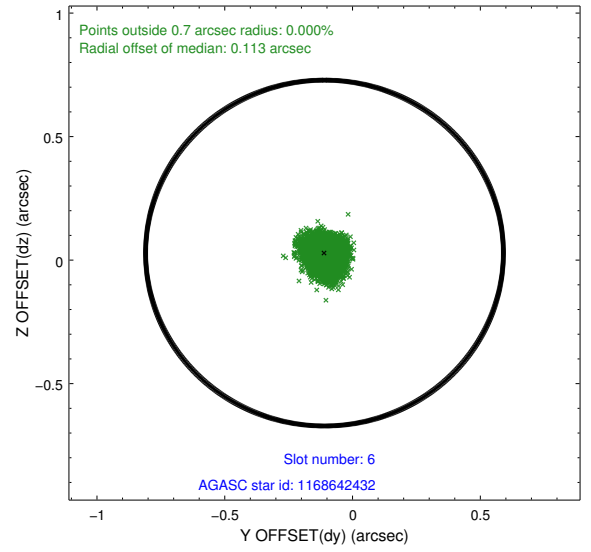
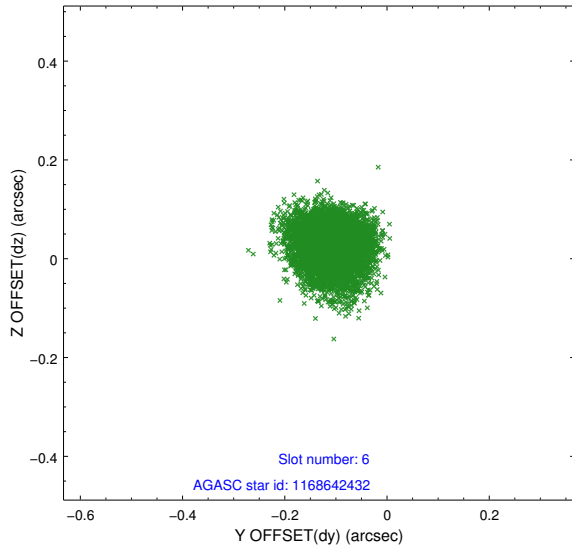
2.4.2 Slot 4



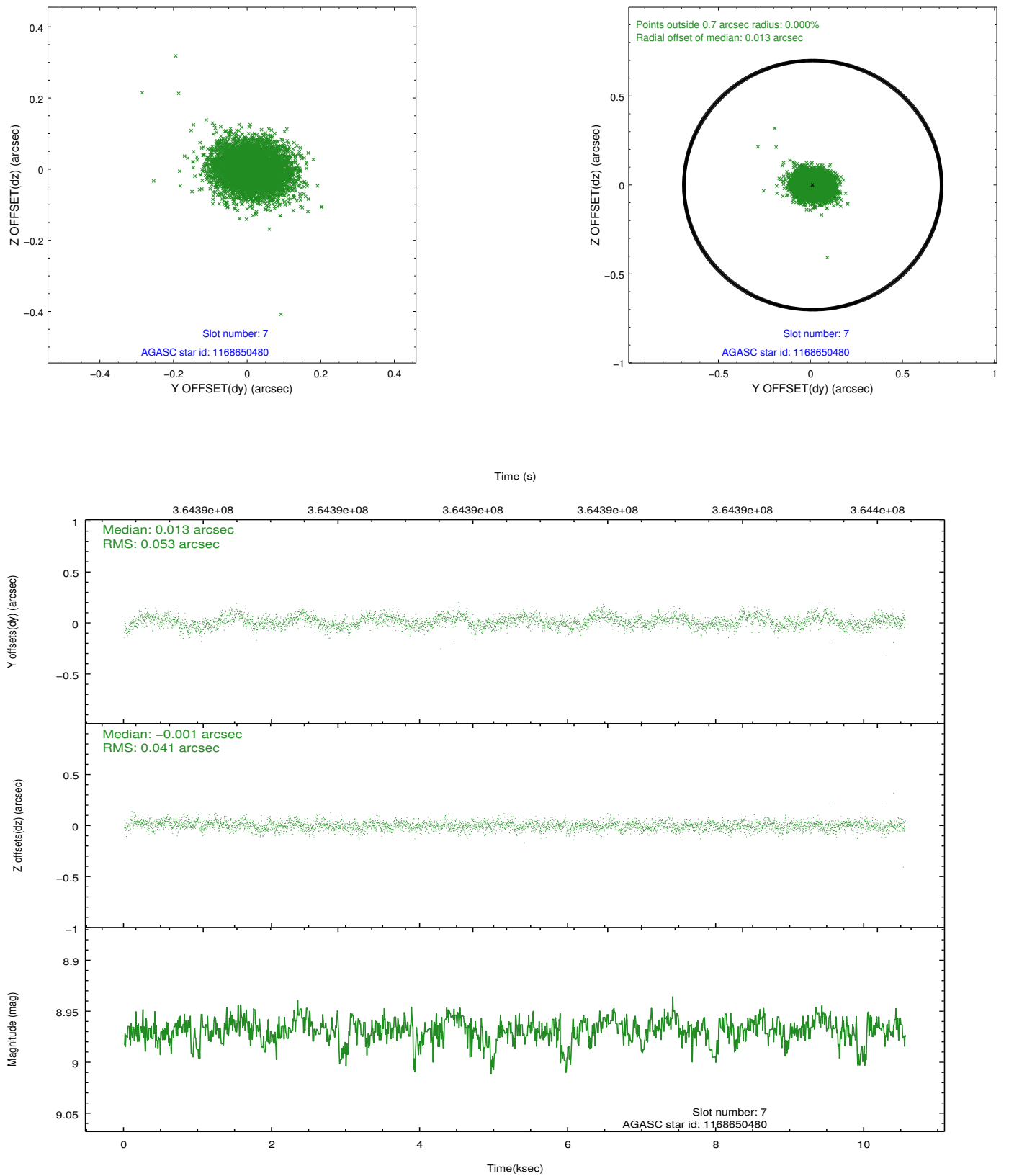
2.4.3 Slot 5



2.4.4 Slot 6

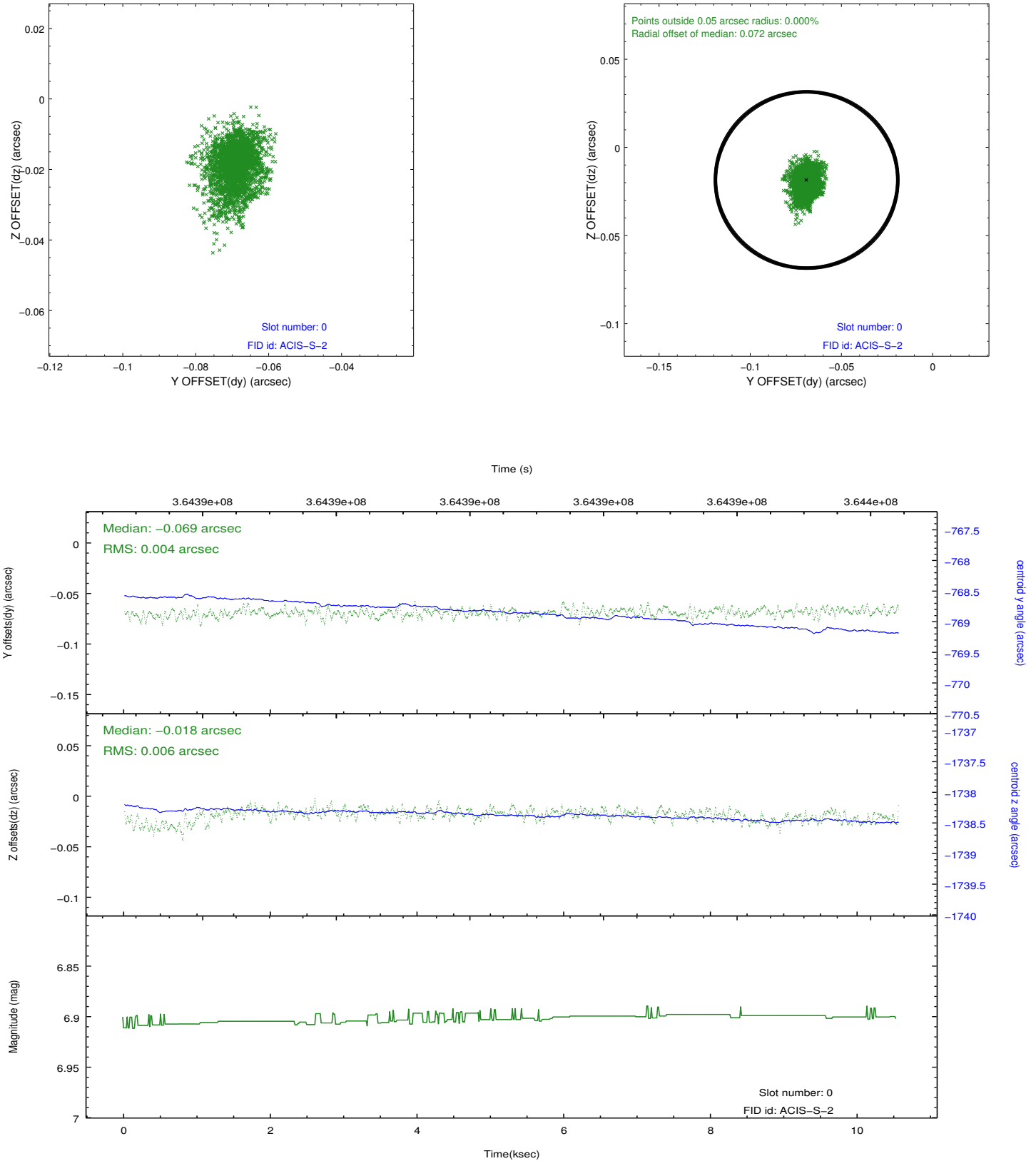


2.4.5 Slot 7

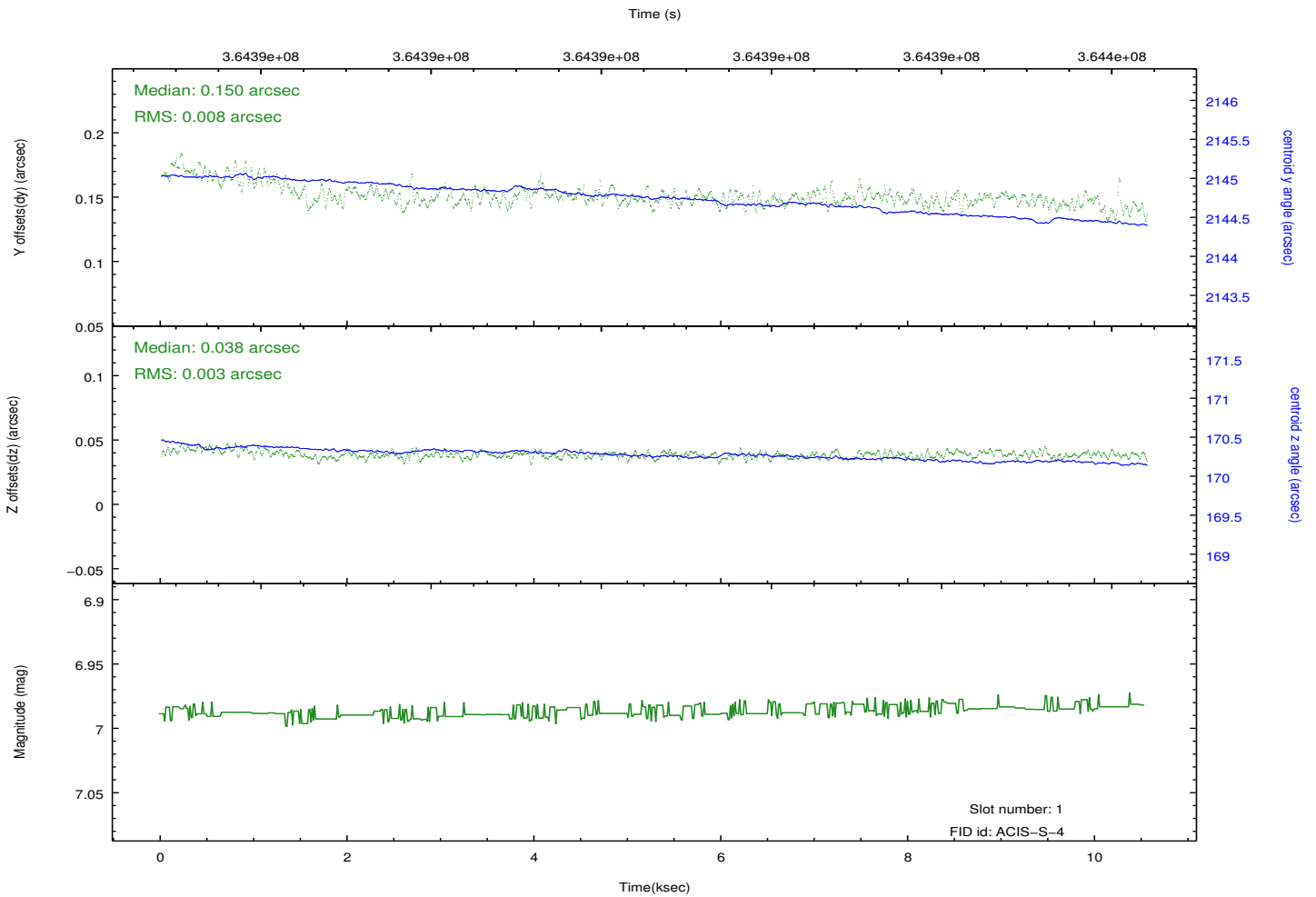
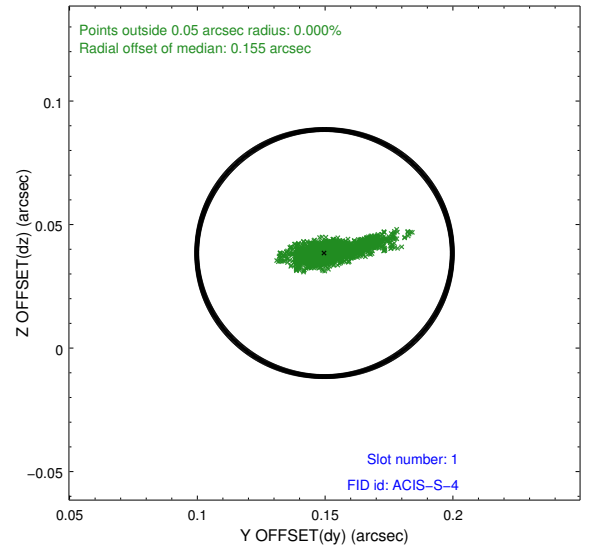
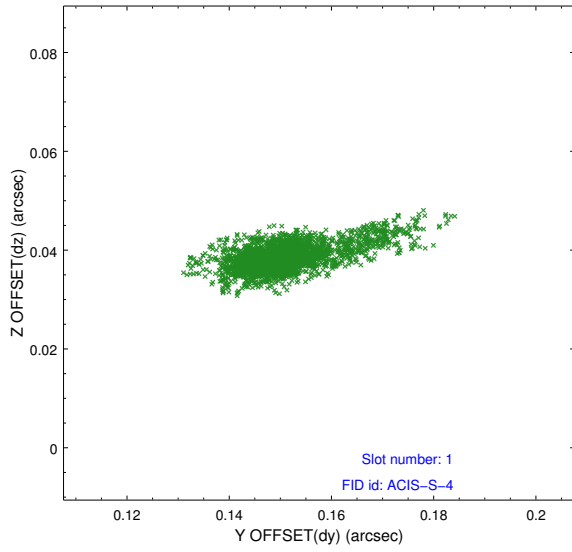


2.5 FID Slots

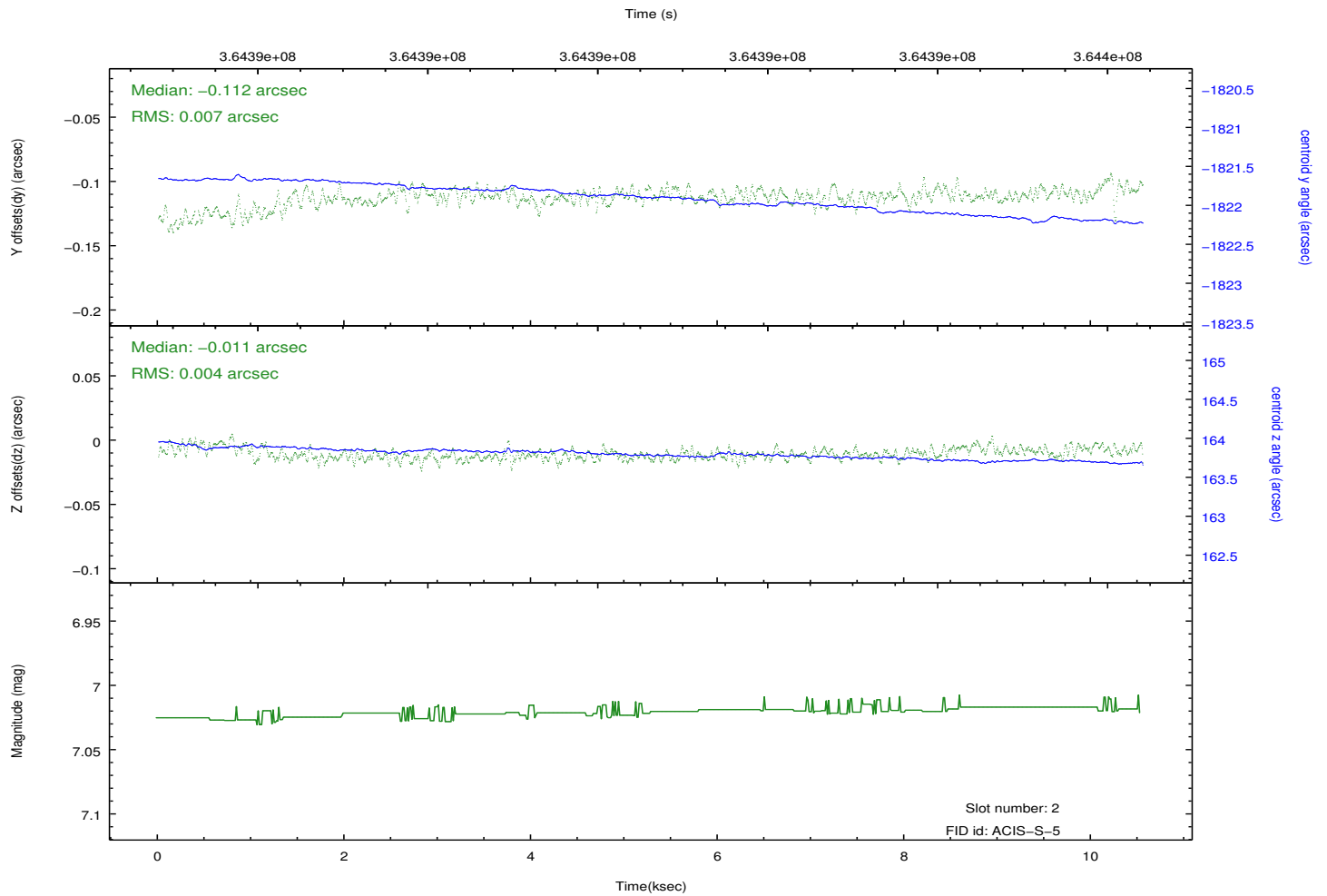
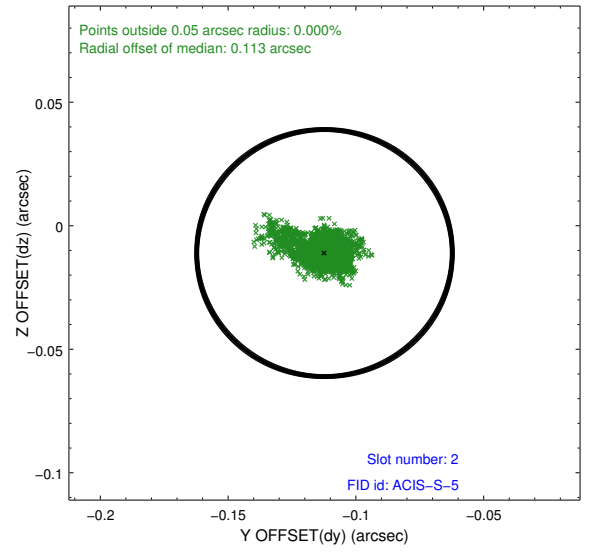
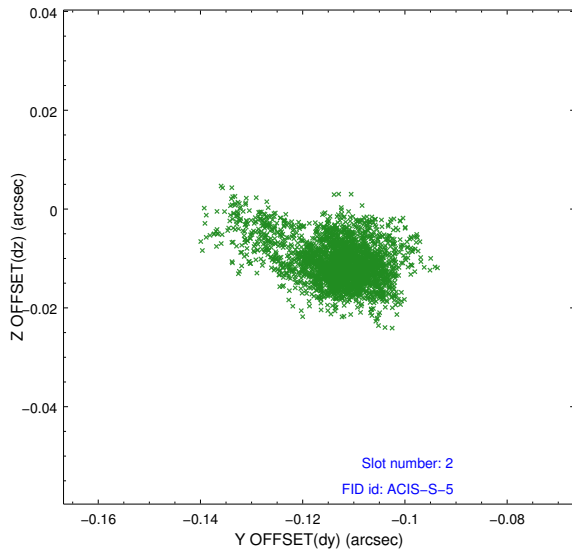
2.5.1 Slot 0



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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.041336555958

A.2 Comments