

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9111 - L2 Version 2
Chandra X-Ray Center

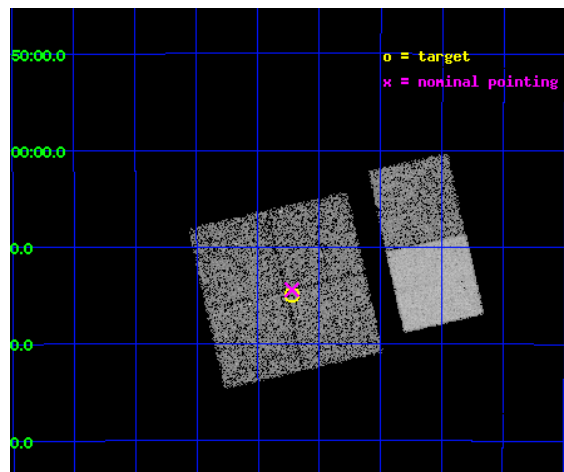
L2 Processing Date : May 13 2012

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1 Front

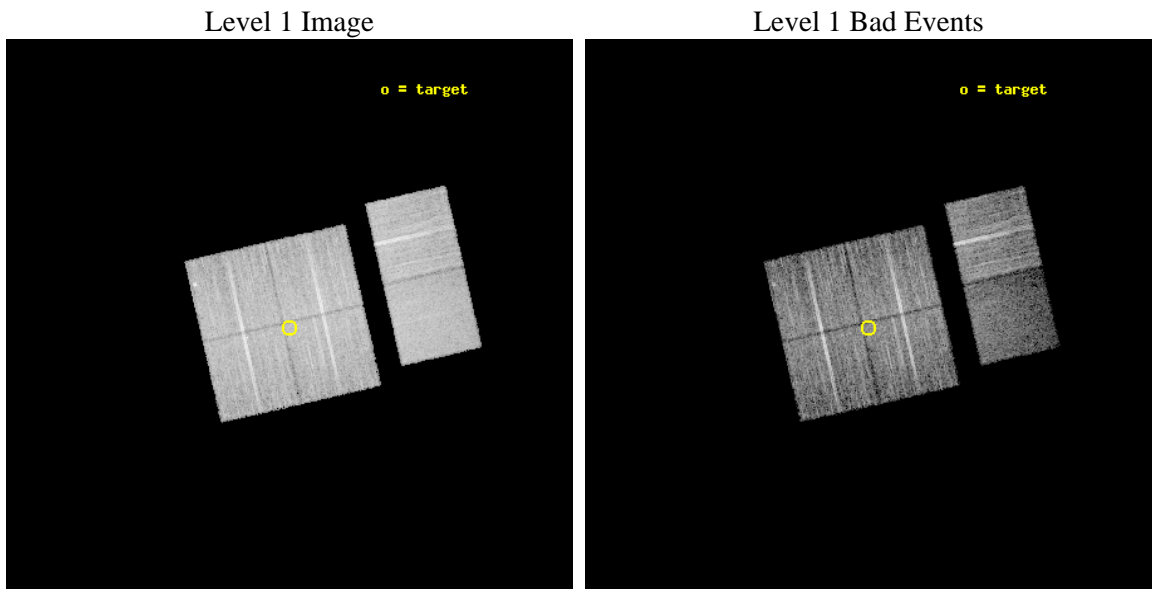
seq_num	500973	Sequence number
obs_id	9111	Observation id
title	Completing a Small Chandra Survey of Hard X-ray Sources in Gamma-Ray Error Boxes	Proposal title
observer	Dr. Mallory Roberts	Principal investigator
object	AX J1731.7-3115	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.931667	Observer's specified target RA [deg]
dec_targ	-31.248333	Observer's specified target Dec [deg]
ra_nom	262.93092028536	Nominal RA [deg]
dec_nom	-31.240301283049	Nominal Dec [deg]
roll_nom	77.164083507007	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10044.223895073	Sum of GTIs [s]
livetime	9917.037884208	Livetime [s]
ontime0	10040.859754741	Sum of GTIs [s]
ontime1	10044.141815066	Sum of GTIs [s]
ontime2	10044.18285507	Sum of GTIs [s]
ontime3	10044.223895073	Sum of GTIs [s]
ontime6	10044.30597508	Sum of GTIs [s]
ontime7	10044.264935076	Sum of GTIs [s]
l2events	67185	Number of level 2 events



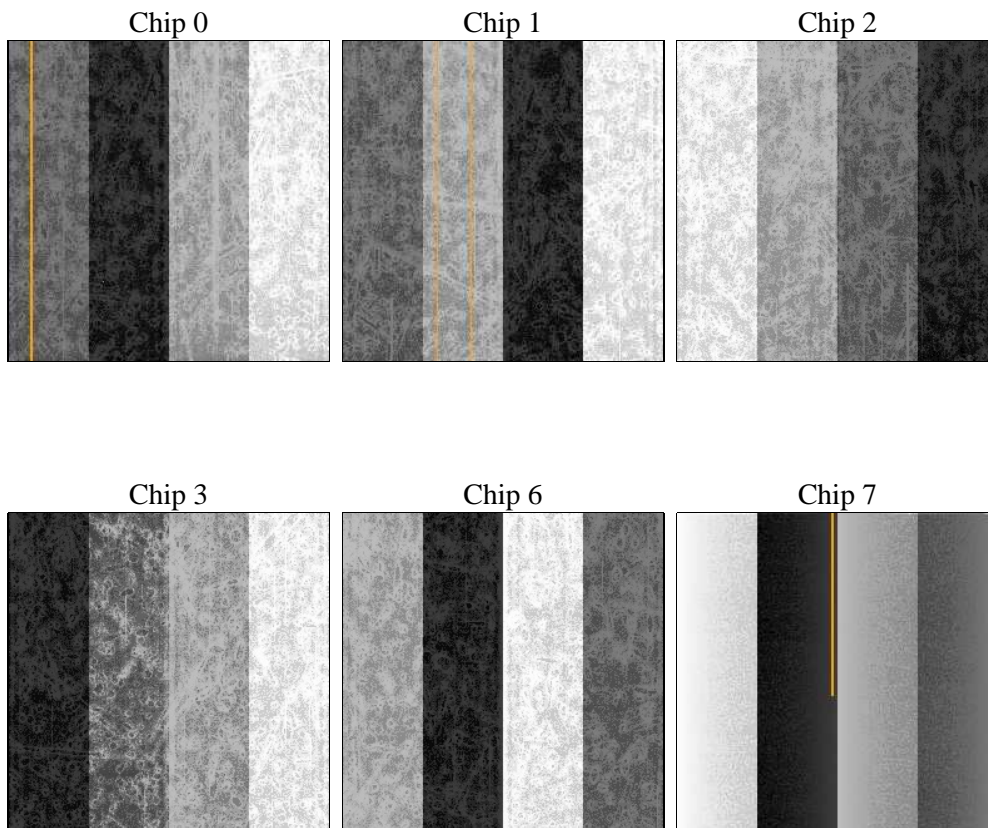
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.767000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10044.223895073	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	10040.859754741	Sum of GTIs [s]
date	2012-05-14T01:06:53	Date and time of file creation	ontime1	10044.141815066	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10044.18285507	Sum of GTIs [s]
			ontime3	10044.223895073	Sum of GTIs [s]
			ontime6	10044.30597508	Sum of GTIs [s]
			ontime7	10044.264935076	Sum of GTIs [s]
			l1events	429746	Number of level 1 events

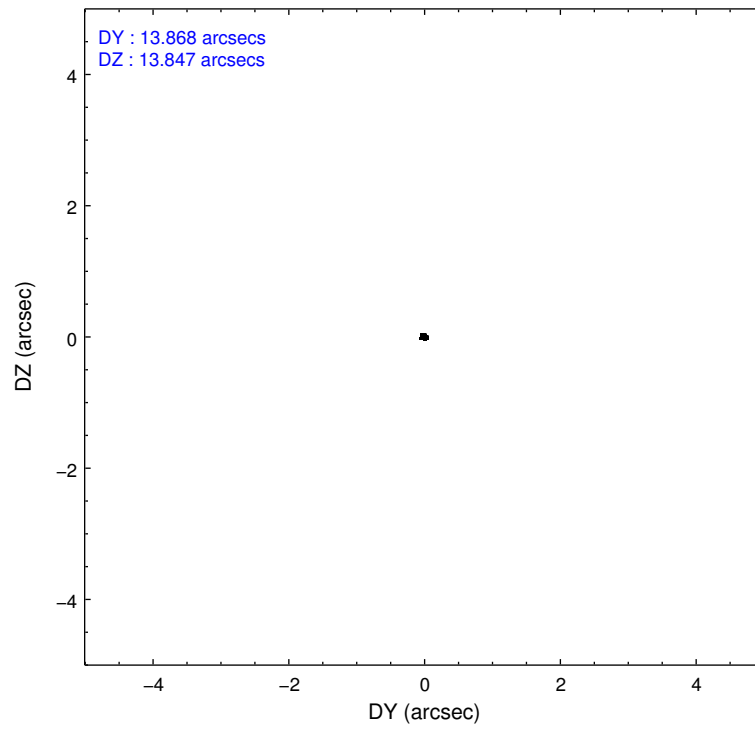
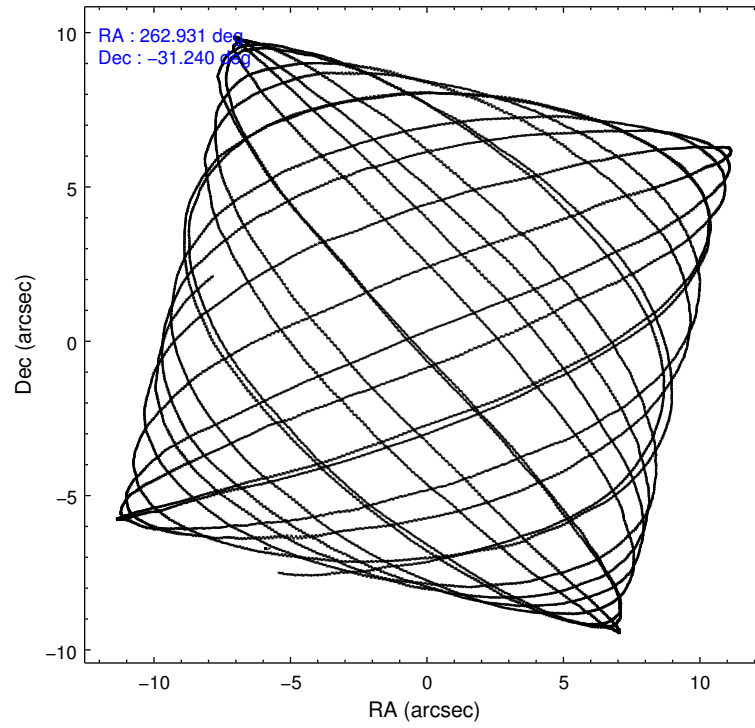
2.1.4 Events

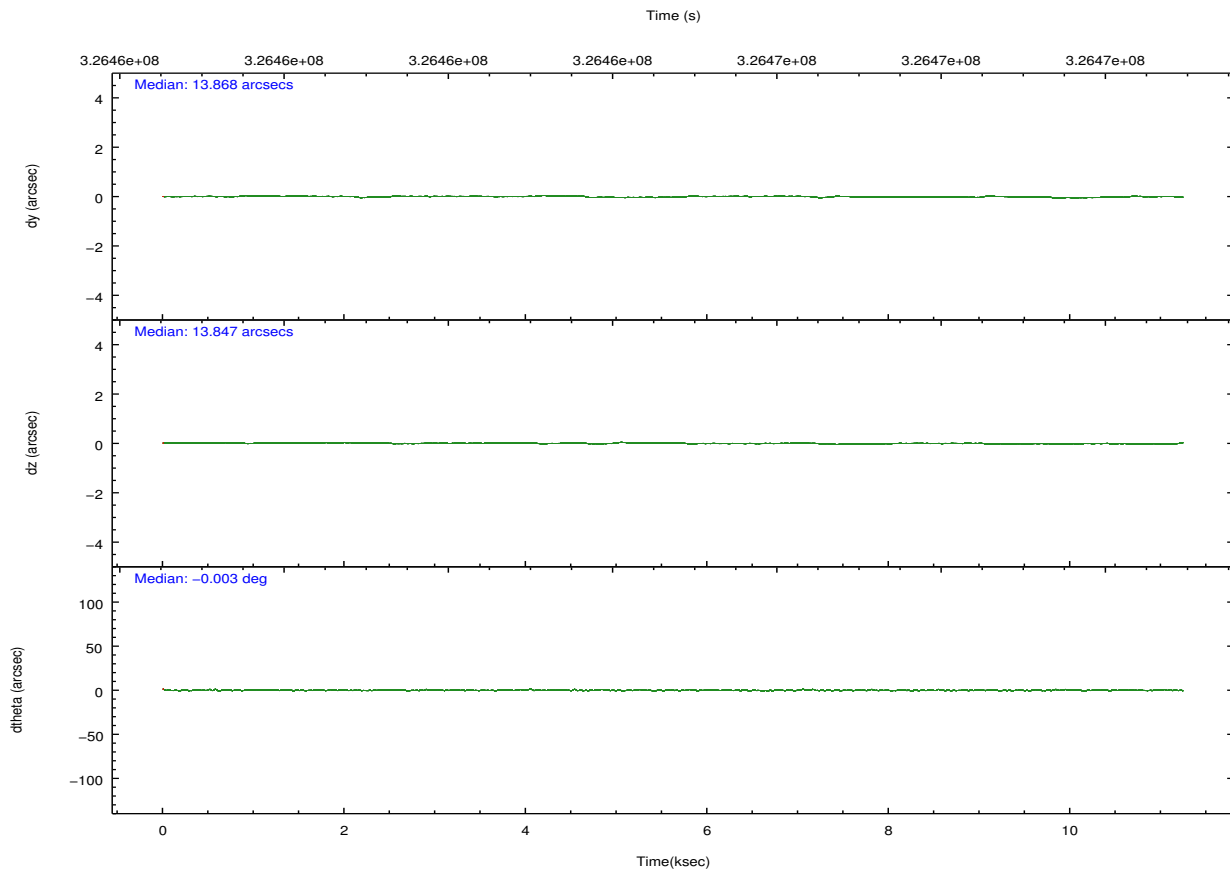
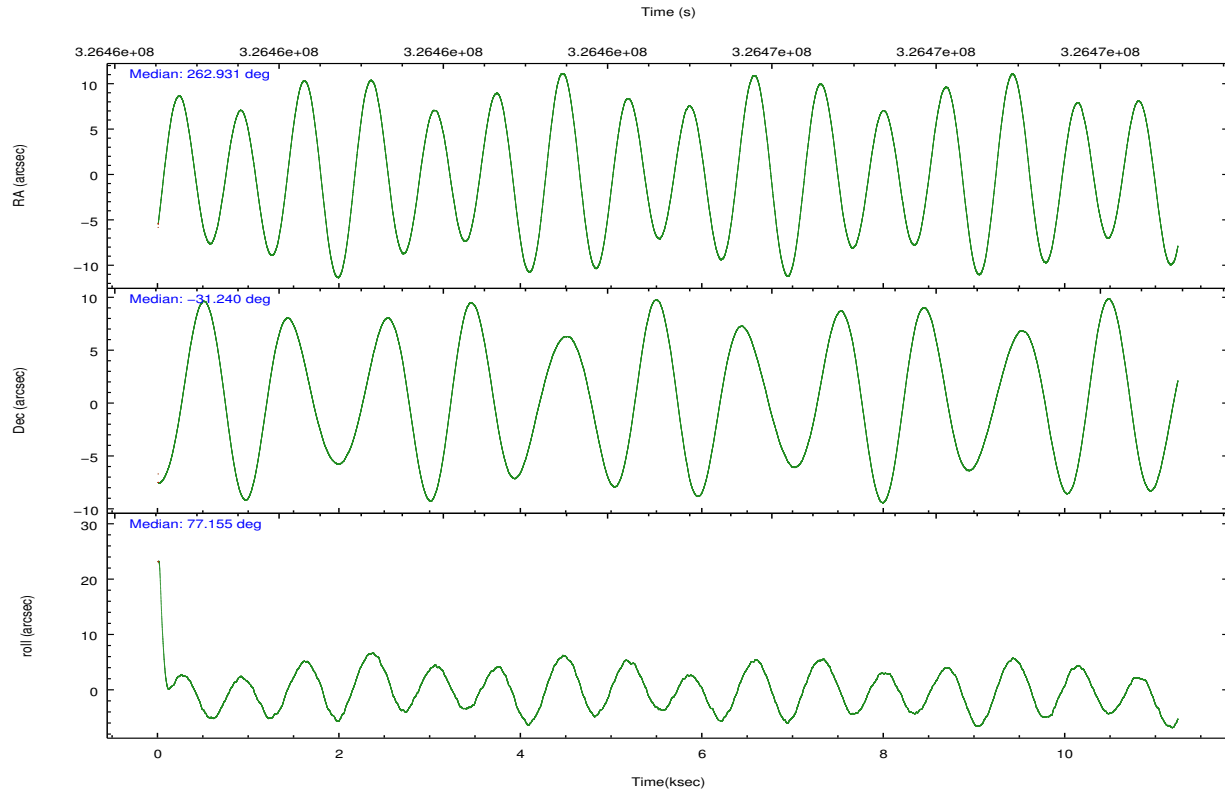
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	70708	66367	75335	70264	76186	70886	grade 0 events	3117	3344	3309	3304	3333	3556
rejected events	62553	57965	67477	62568	67746	36062		4%	5%	4%	4%	4%	5%
rejected %	88%	87%	89%	89%	88%	50%	grade 1 events	59	39	46	50	41	112
								0%	0%	0%	0%	0%	0%
							grade 2 events	2166	1762	1769	1523	1735	7496
								3%	2%	2%	2%	2%	10%
							grade 3 events	791	888	757	800	873	3457
								1%	1%	1%	1%	1%	4%
							grade 4 events	746	845	788	777	849	3284
								1%	1%	1%	1%	1%	4%
							grade 5 events	2241	2489	1977	2573	2629	7454
								3%	3%	2%	3%	3%	10%
							grade 6 events	1340	1570	1245	1297	1655	17054
								1%	2%	1%	1%	2%	24%
							grade 7 events	60248	55430	65444	59940	65071	28473
								85%	83%	86%	85%	85%	40%

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	262.940545	262.9309202853596	CCD I2 on	Y	Y
[deg] Pointing Dec	-31.266510	-31.24030128304882	CCD I3 on	Y	Y
[deg] Pointing Roll	76.960356	77.16408350700726	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	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	326460351.184000	326458820.43376	CCD S5 on	N	N
Observation start date	2008-05-06T11:24:46	2008-05-06T11:00:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	326470352.184000	326470584.87183	On-chip summing requested	N	N
Observation end date	2008-05-06T14:11:27	2008-05-06T14:16:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



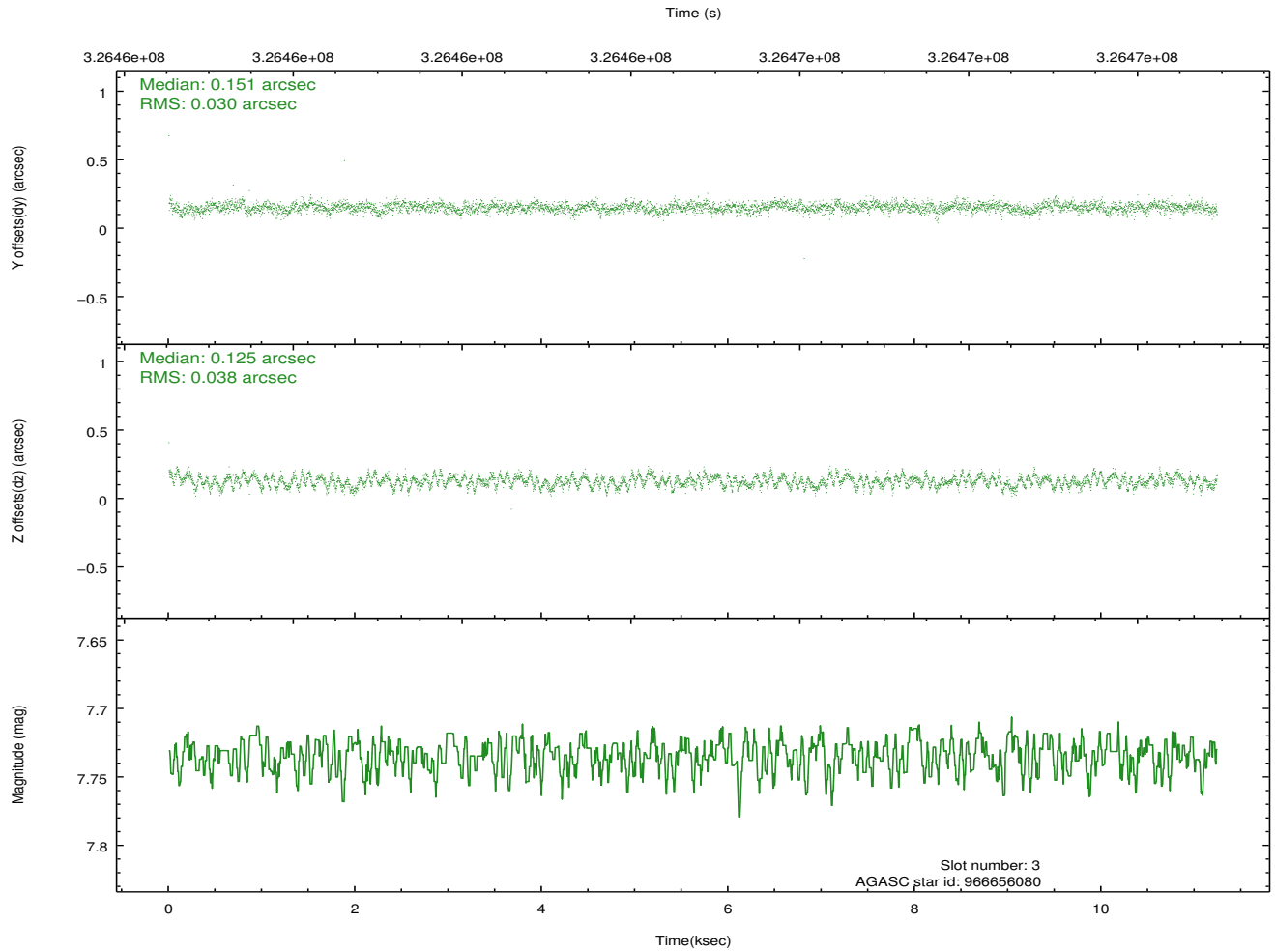
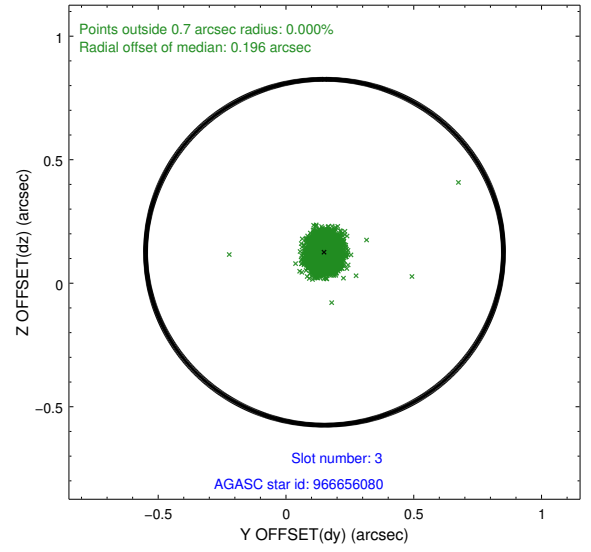
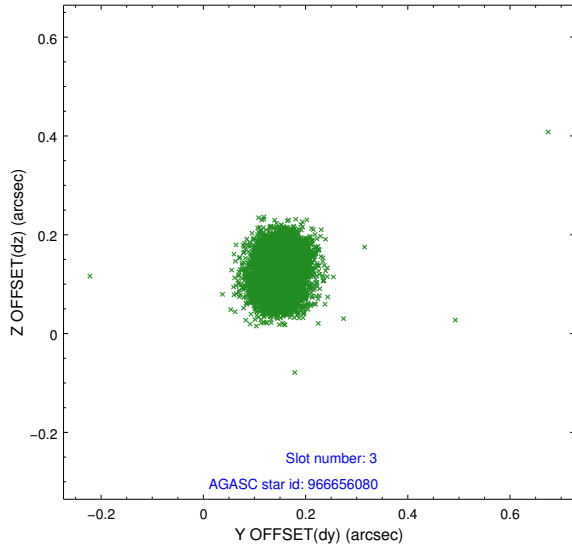


Slot Statistics

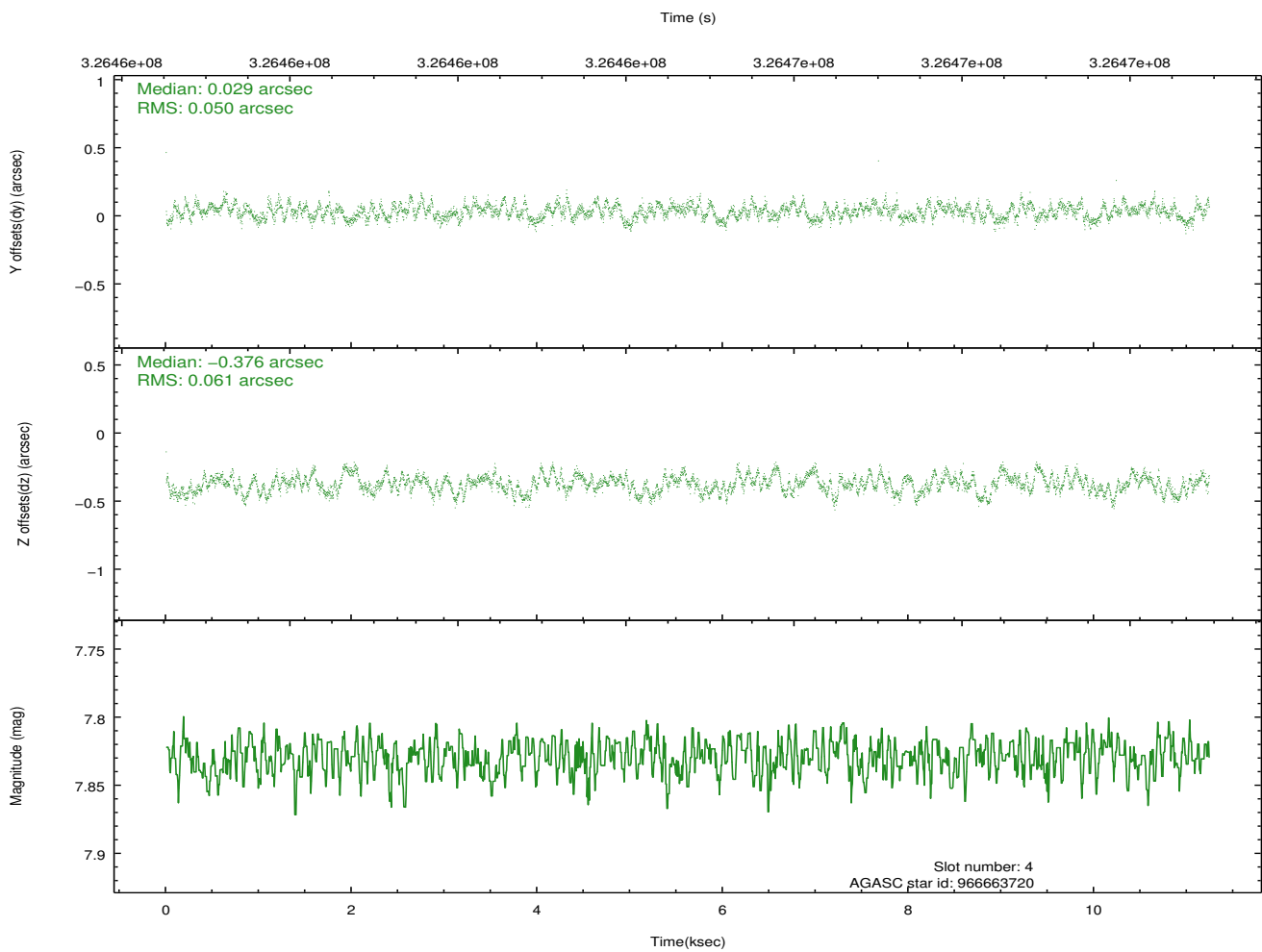
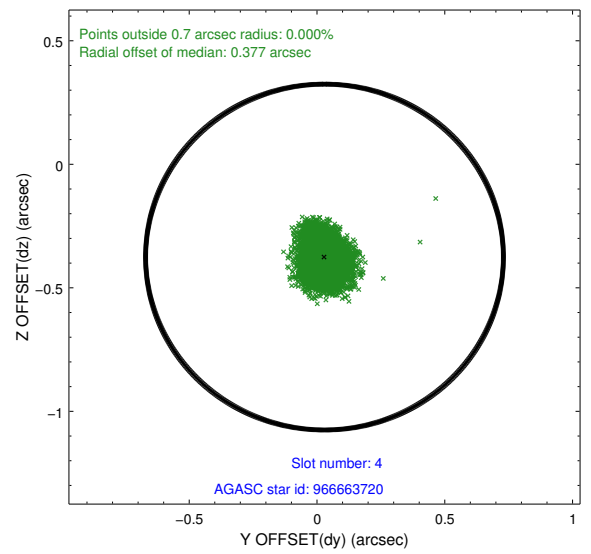
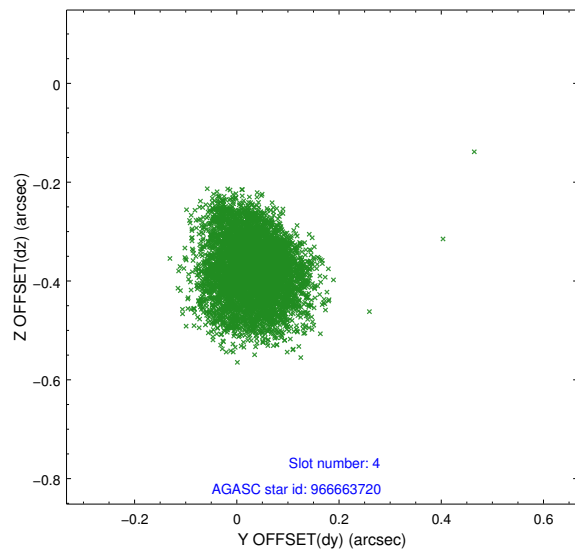
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	2742	0.021	0.033	0.006	0.011	0.000000	0.000000	925.66	-837.37
1	FID	ACIS-I-5	7.05	2741	-0.201	0.036	0.006	0.010	0.000000	0.000000	-1822.44	1059.86
2	FID	ACIS-I-6	7.06	2742	0.088	0.001	0.007	0.011	0.000000	0.000000	390.75	1704.87
3	GUIDE	966656080	7.73	5484	0.151	0.125	0.051	0.082	262.904712	-31.872685	-2150.11	-385.73
4	GUIDE	966663720	7.83	5484	0.029	-0.376	0.086	0.132	262.170068	-31.384212	-955.72	2209.16
5	GUIDE	966787448	8.53	5483	-0.035	0.086	0.065	0.103	263.341993	-31.095036	878.76	-1066.11
6	GUIDE	966787712	8.37	5476	-0.115	0.070	0.063	0.103	263.530944	-31.066254	1109.07	-1611.90
7	GUIDE	966788616	8.80	5476	-0.033	0.093	0.078	0.123	263.482843	-31.275596	341.34	-1633.77

2.4 Star Slots

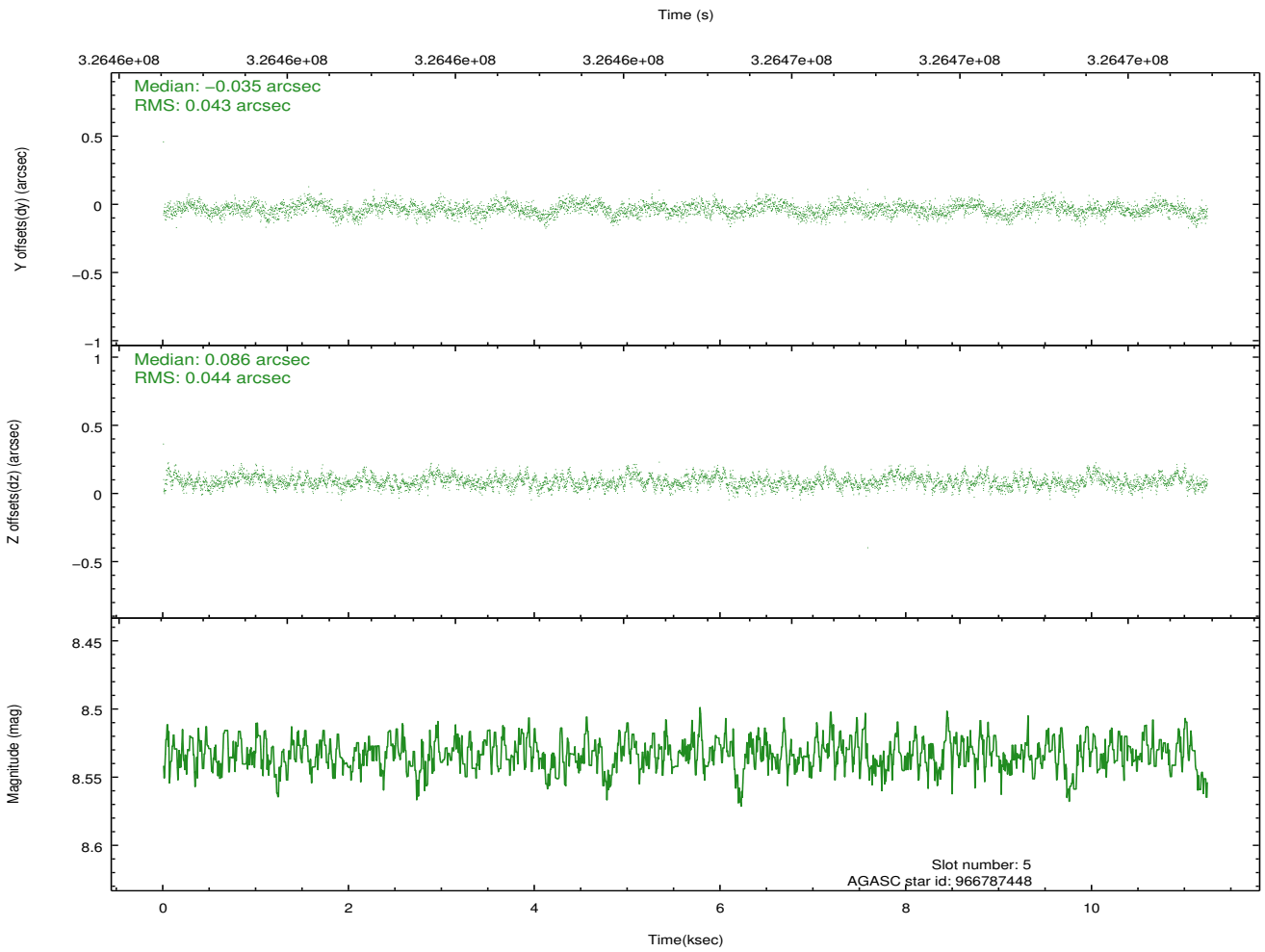
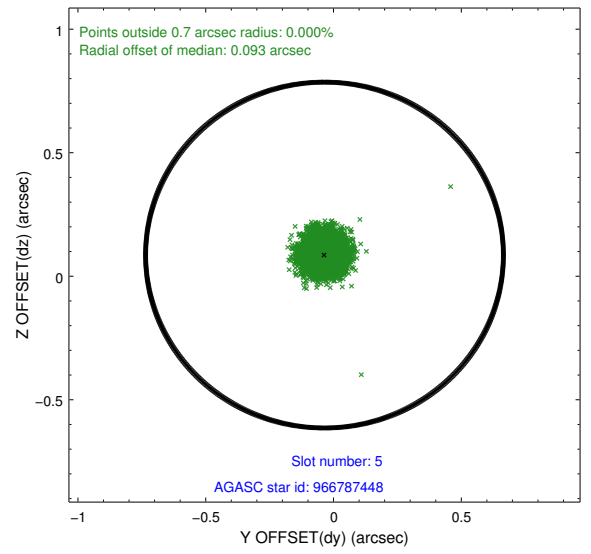
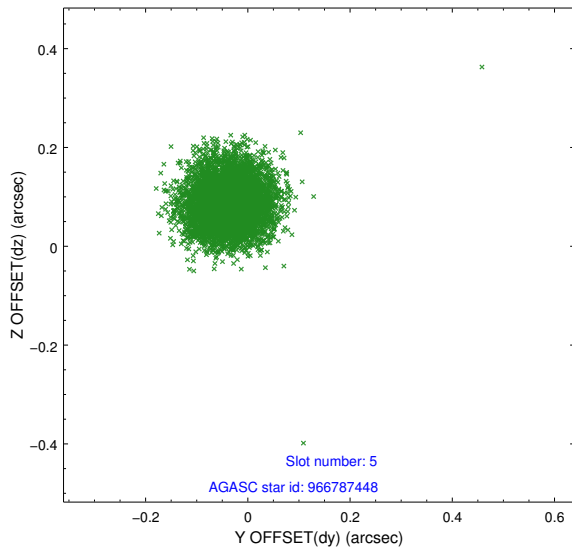
2.4.1 Slot 3



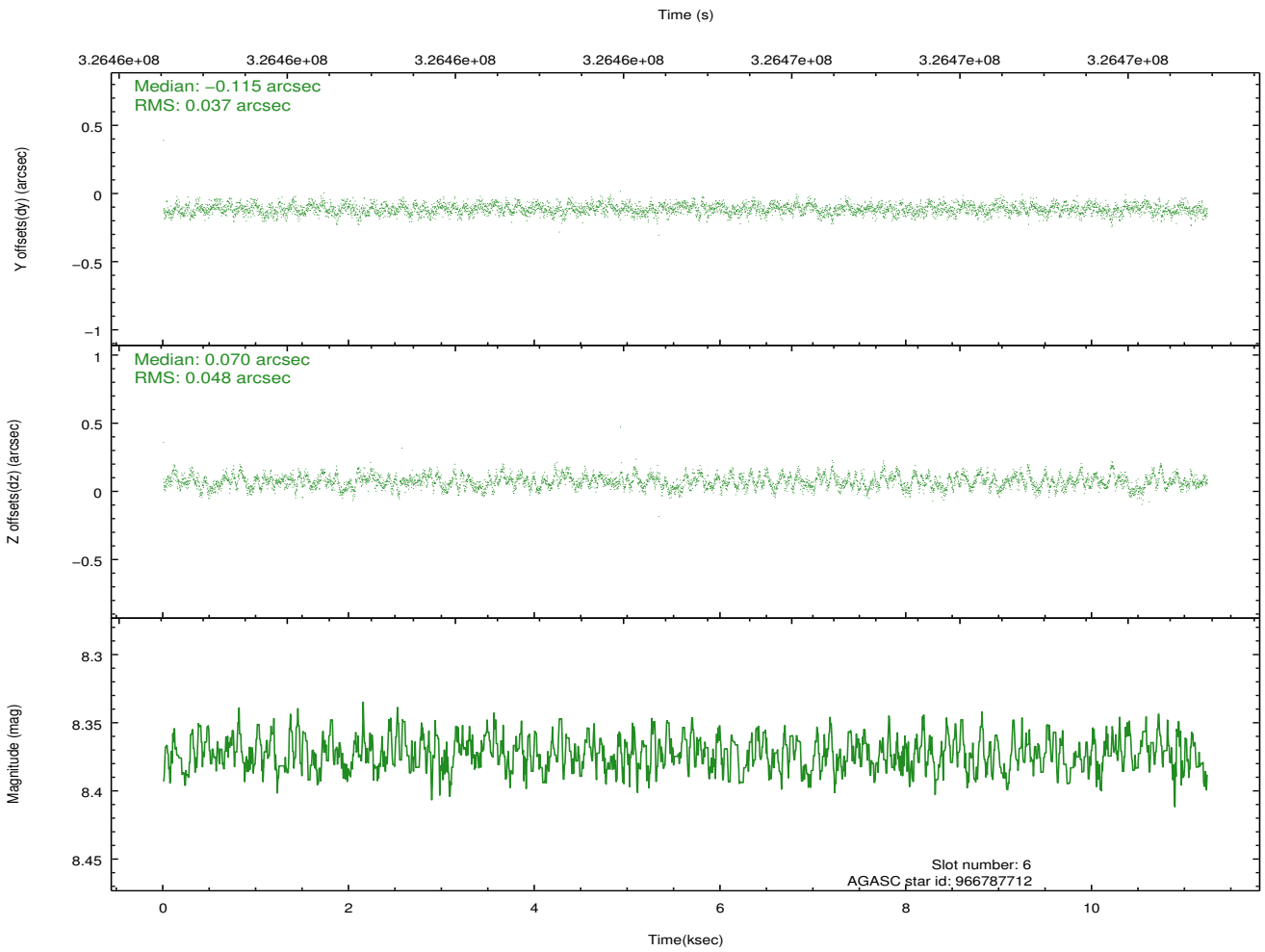
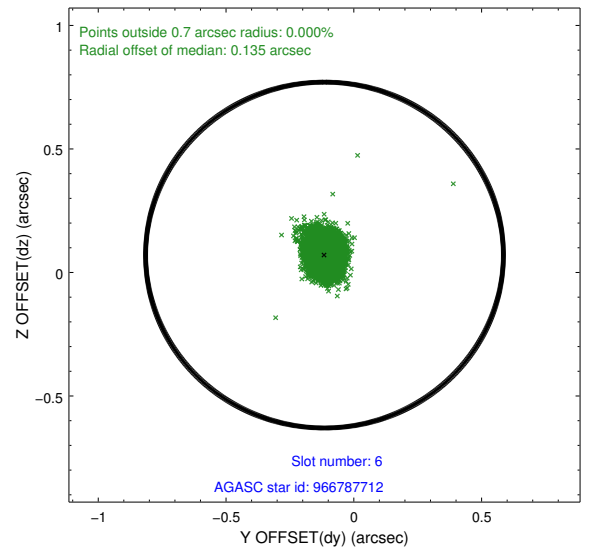
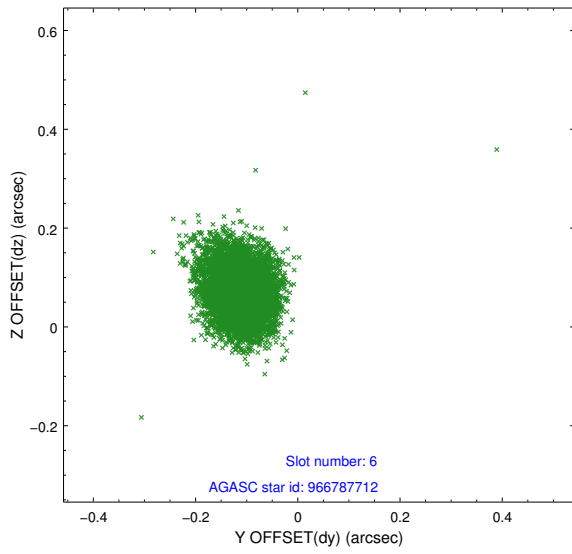
2.4.2 Slot 4



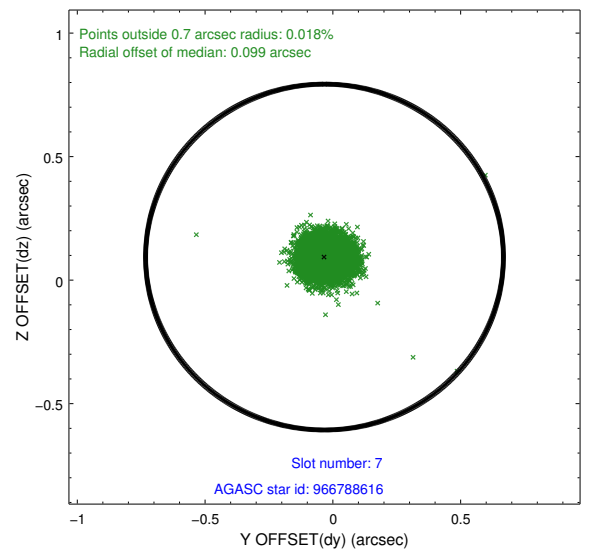
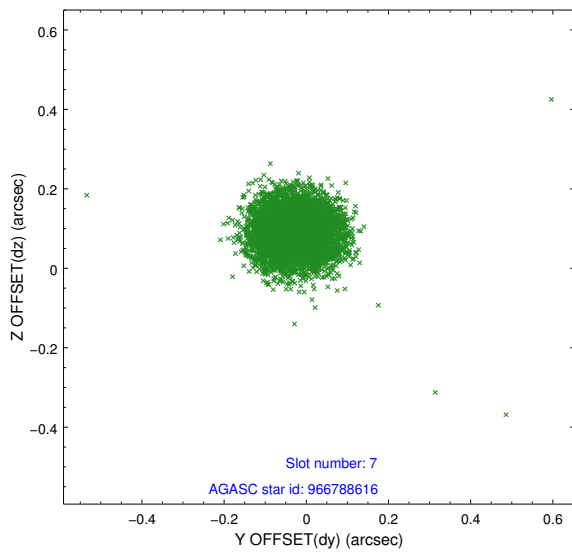
2.4.3 Slot 5



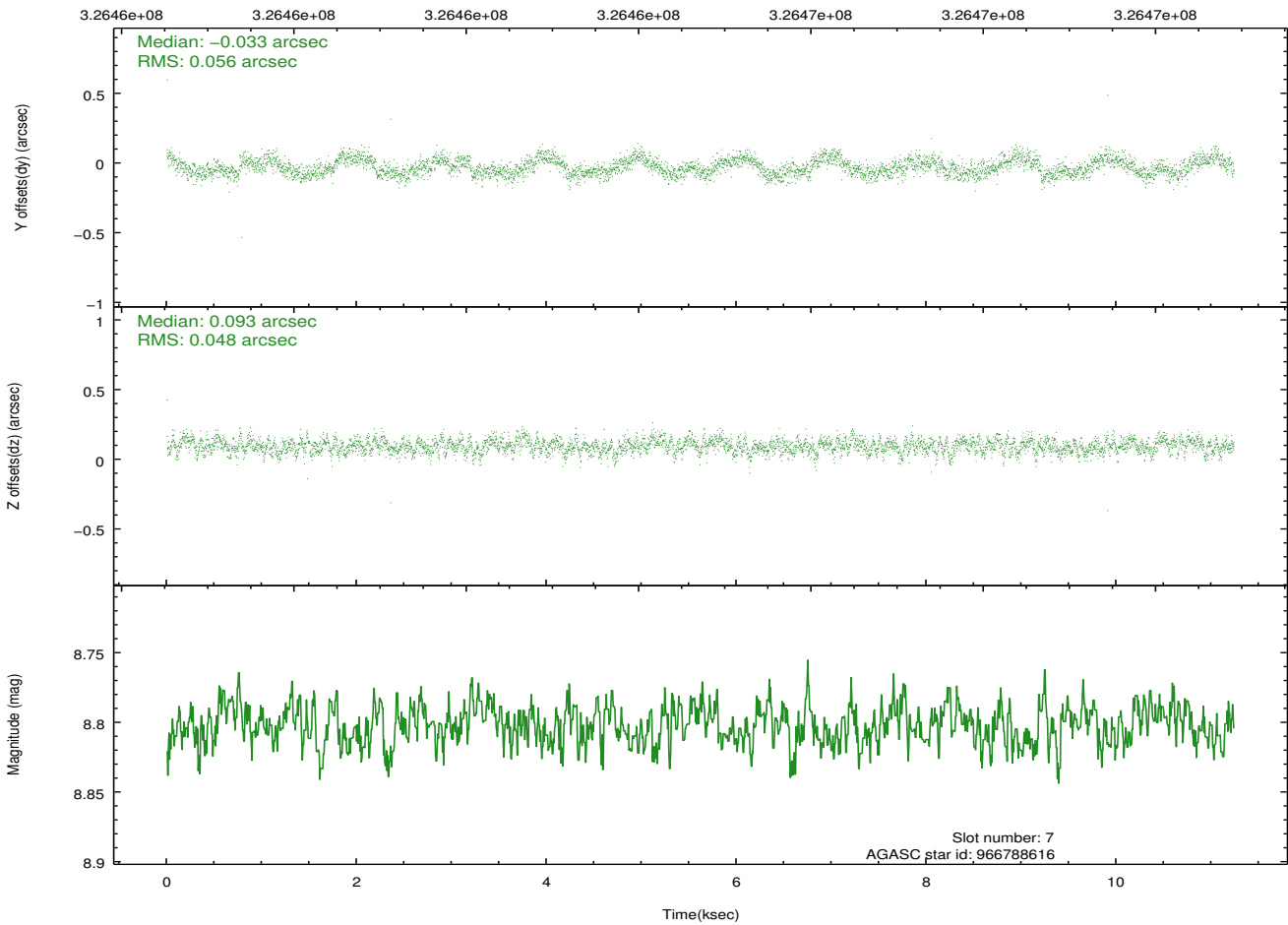
2.4.4 Slot 6



2.4.5 Slot 7

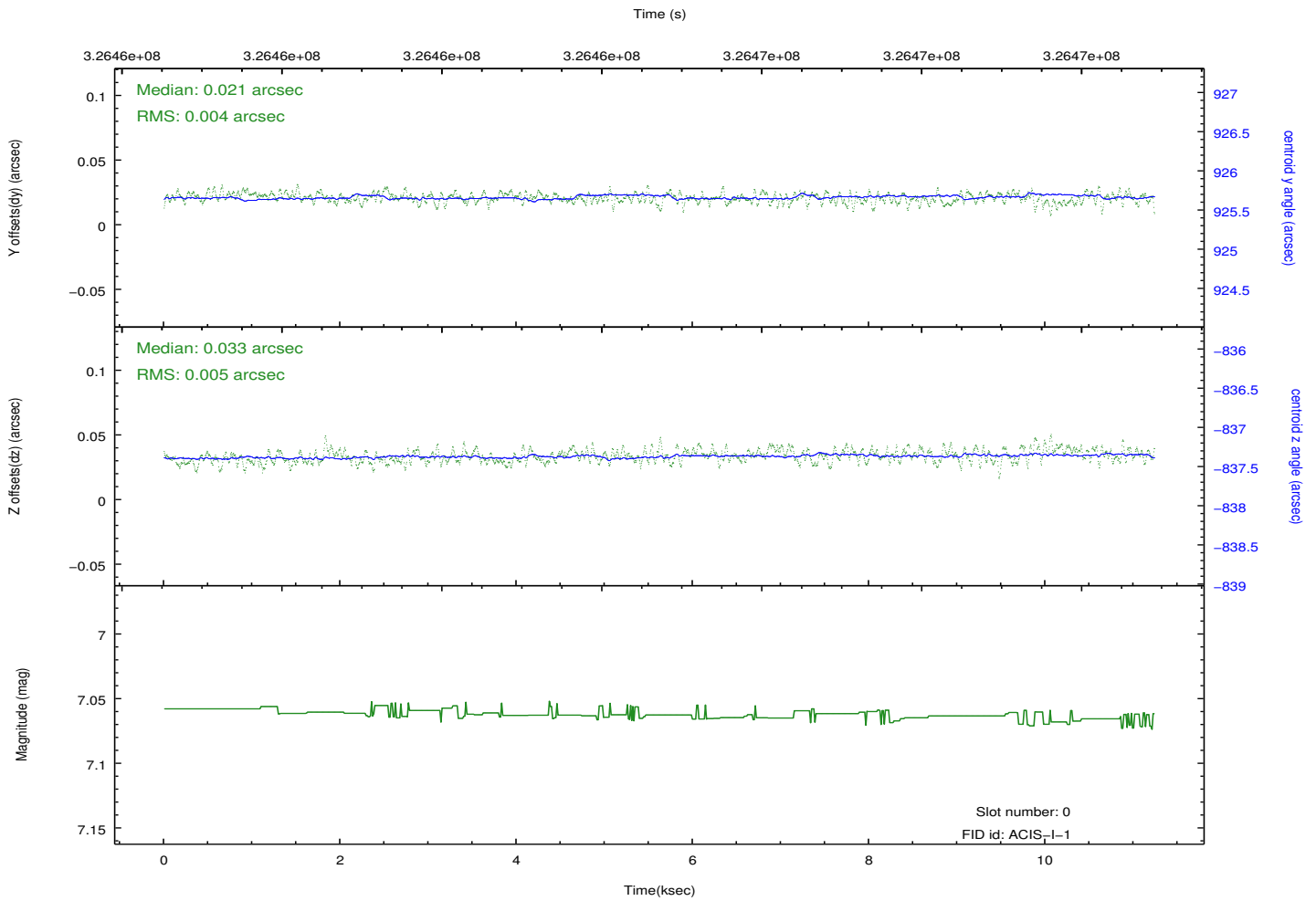
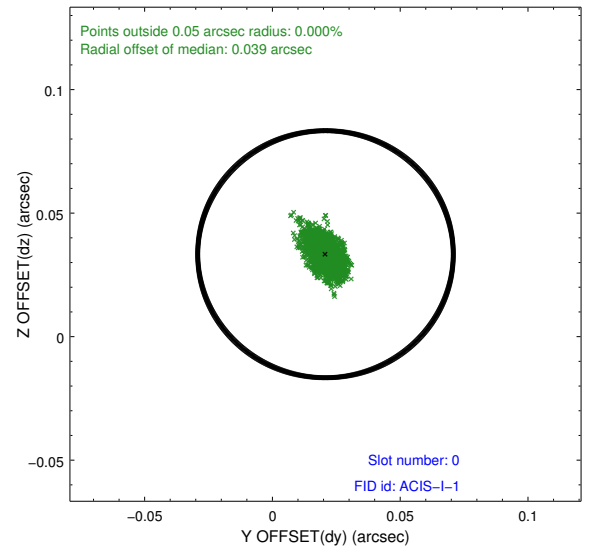
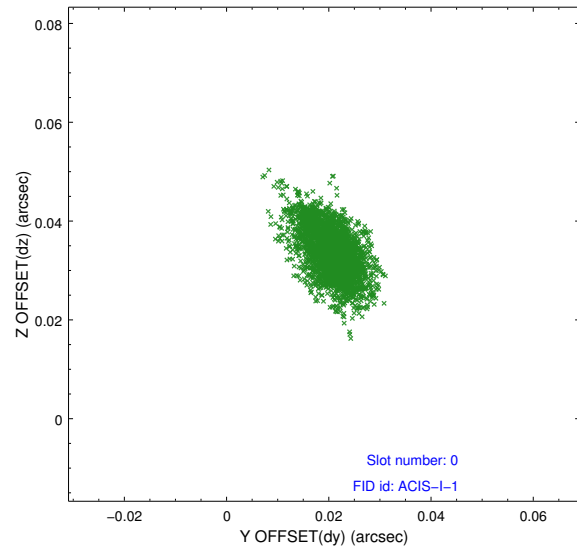


Time (s)

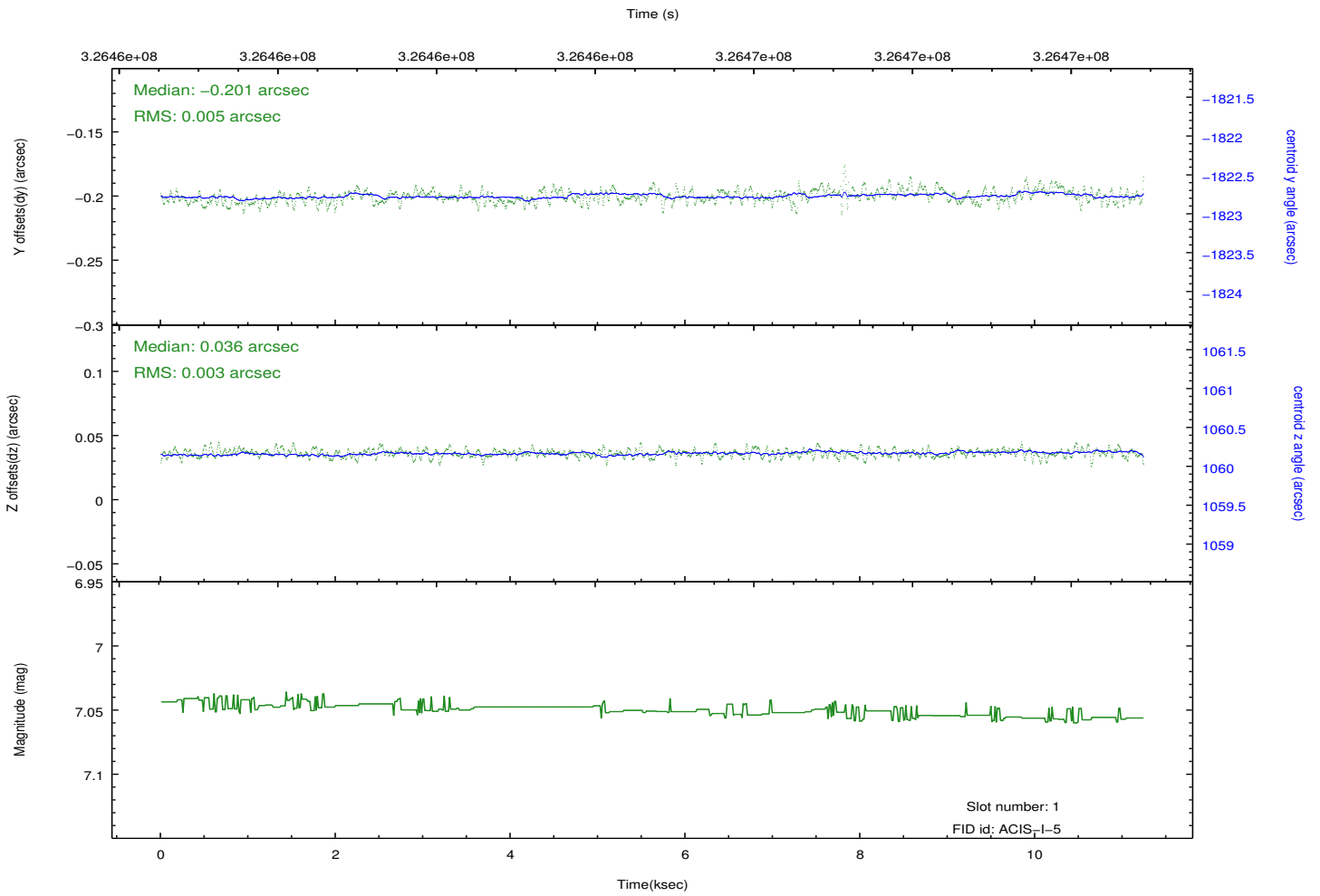
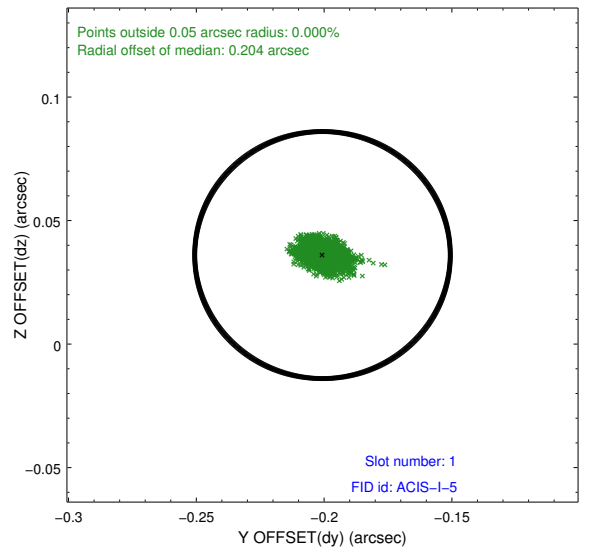
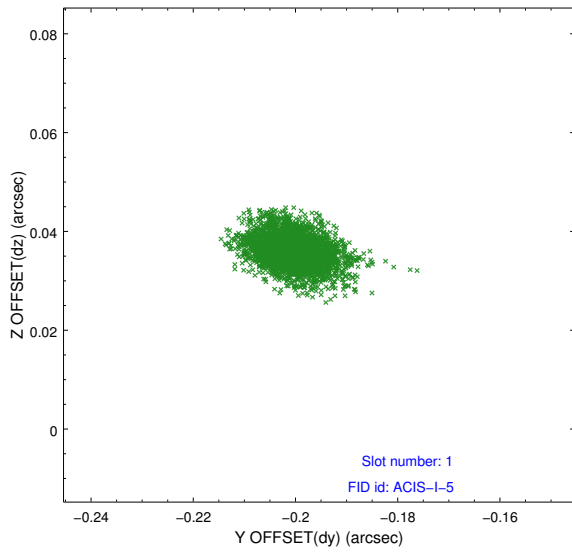


2.5 FID Slots

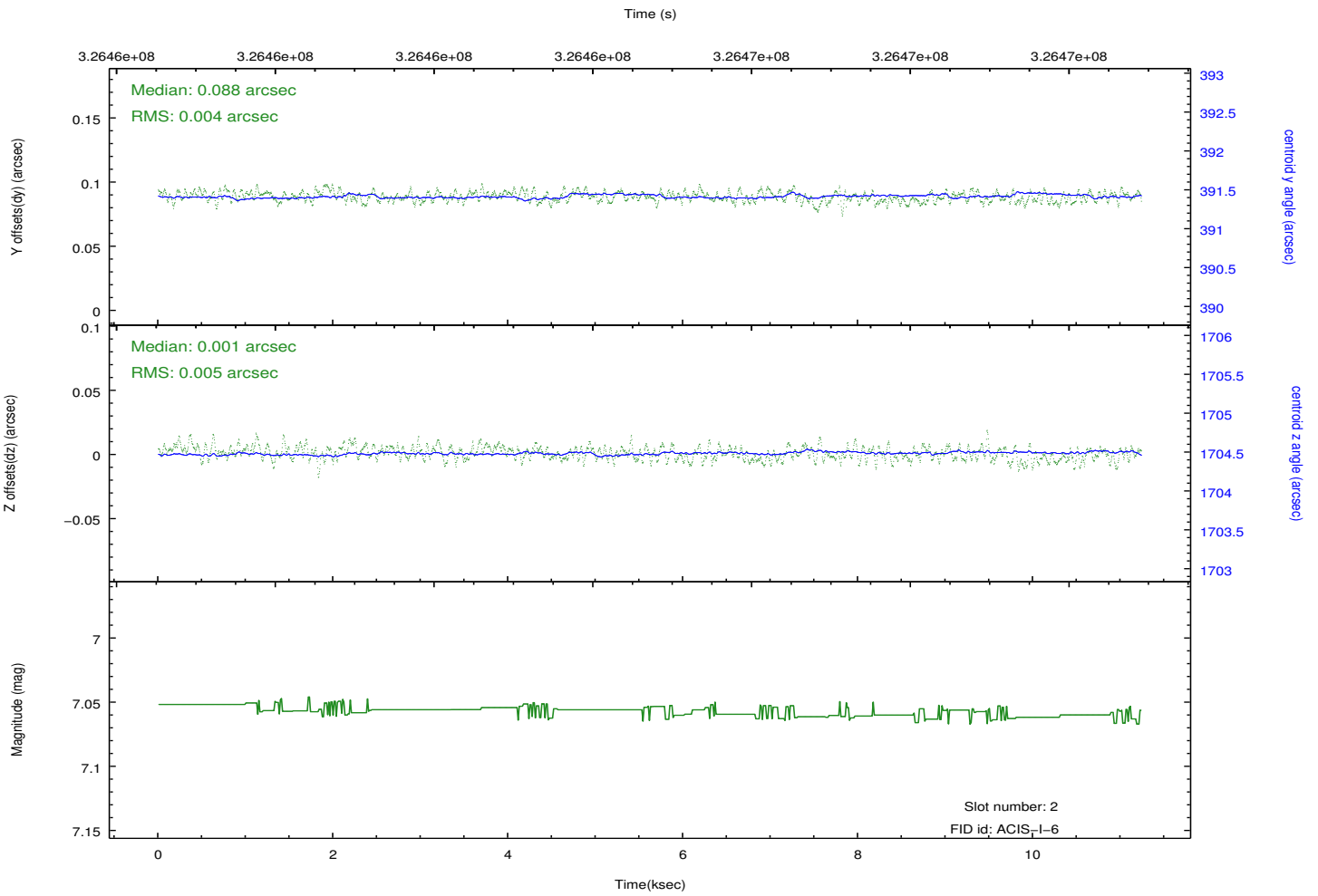
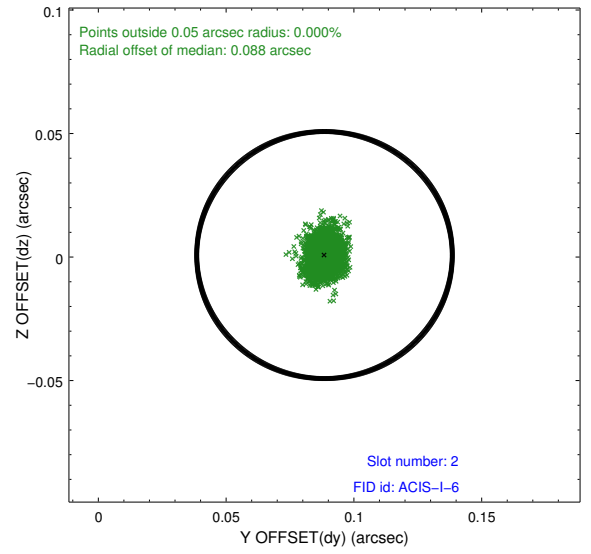
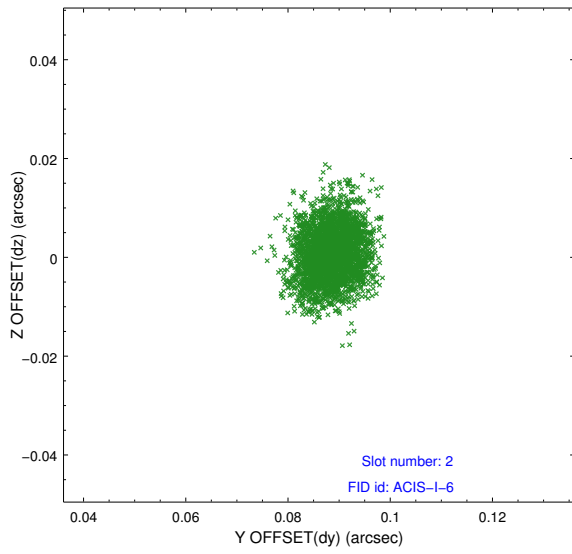
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0447999

A.2 Comments