

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12152 - L2 Version 2
Chandra X-Ray Center

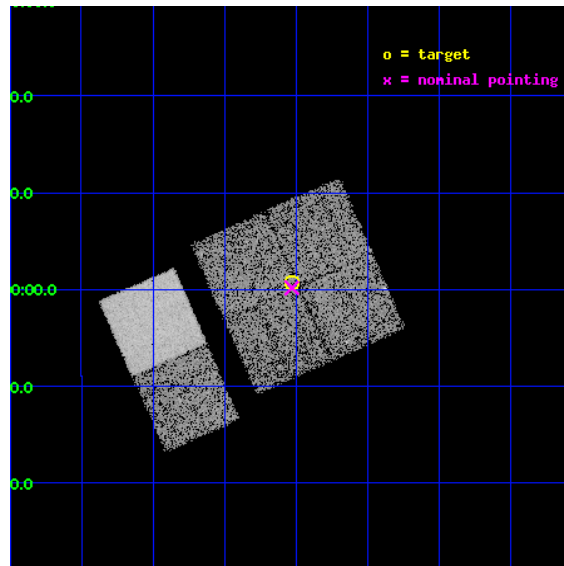
L2 Processing Date : Jul 1 2012

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1 Front

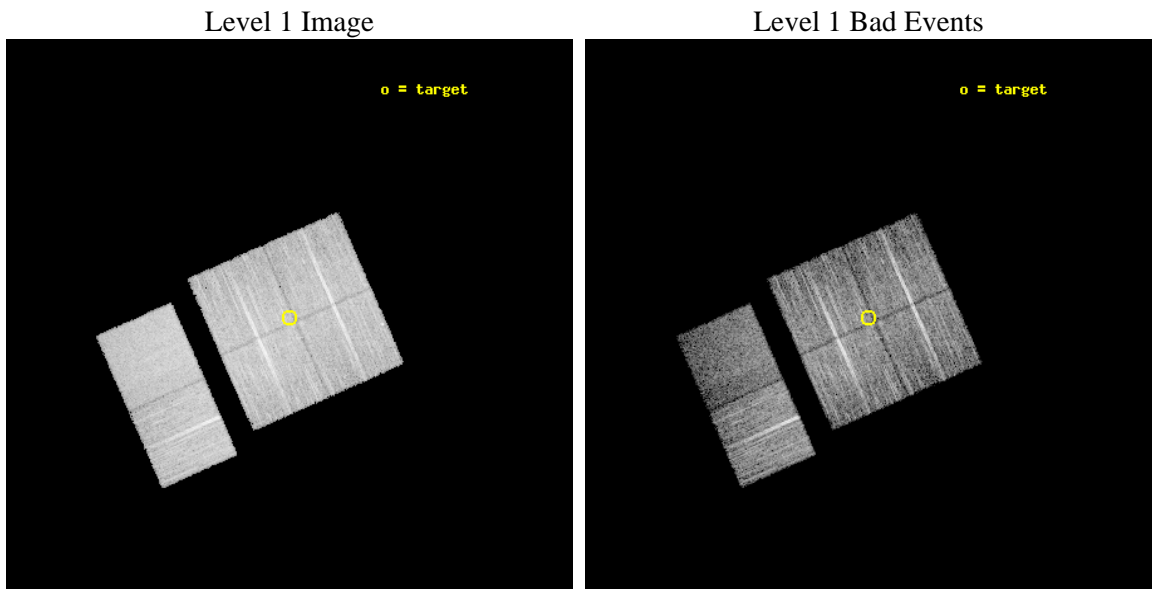
seq_num	501367	Sequence number
obs_id	12152	Observation id
title	Snap-shot survey of new galactic gamma-ray sources.	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HESS J1848-018	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	282.133333	Observer's specified target RA [deg]
dec_targ	-1.989167	Observer's specified target Dec [deg]
ra_nom	282.13245879835	Nominal RA [deg]
dec_nom	-1.9971800285747	Nominal Dec [deg]
roll_nom	246.16727092132	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10051.033928096	Sum of GTIs [s]
liveltime	9923.7616844927	Livetime [s]
ontime0	10050.910808086	Sum of GTIs [s]
ontime1	10050.95184809	Sum of GTIs [s]
ontime2	10050.992888093	Sum of GTIs [s]
ontime3	10051.033928096	Sum of GTIs [s]
ontime6	10051.116008103	Sum of GTIs [s]
ontime7	10051.0749681	Sum of GTIs [s]
l2events	65814	Number of level 2 events



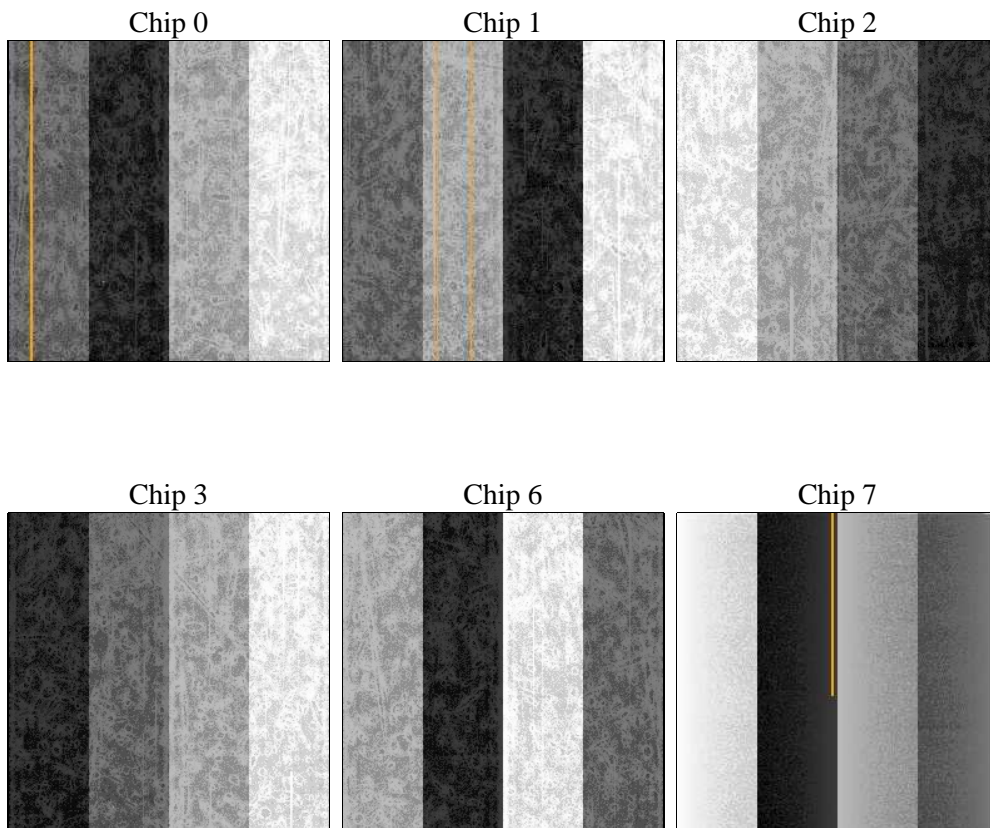
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10051.033928096	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	10050.910808086	Sum of GTIs [s]
date	2012-07-01T03:37:24	Date and time of file creation	ontime1	10050.95184809	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10050.992888093	Sum of GTIs [s]
			ontime3	10051.033928096	Sum of GTIs [s]
			ontime6	10051.116008103	Sum of GTIs [s]
			ontime7	10051.0749681	Sum of GTIs [s]
			l1events	404393	Number of level 1 events

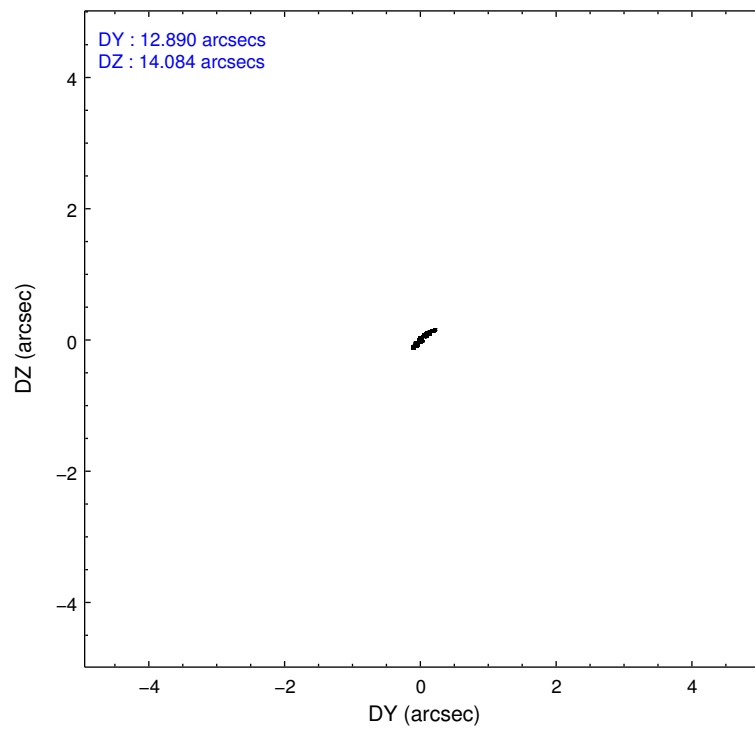
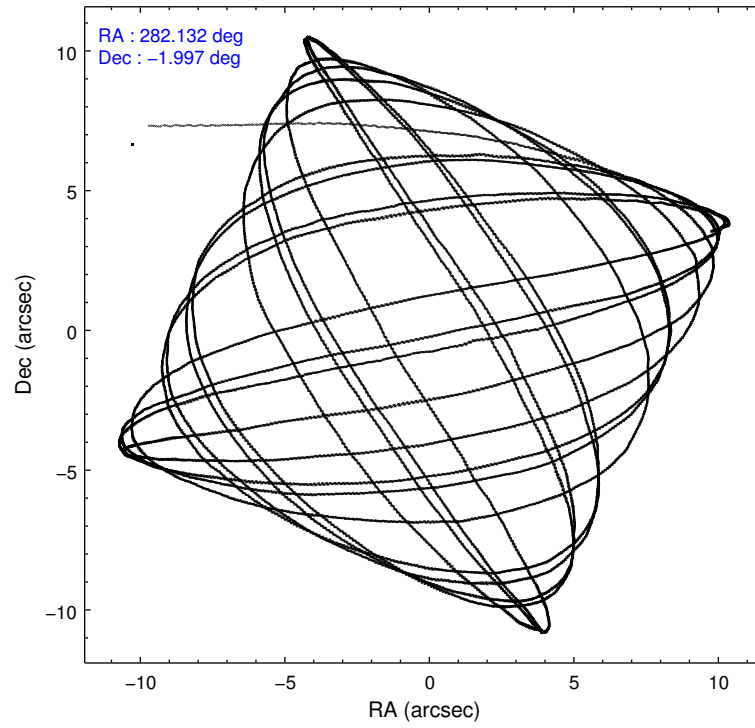
2.1.4 Events

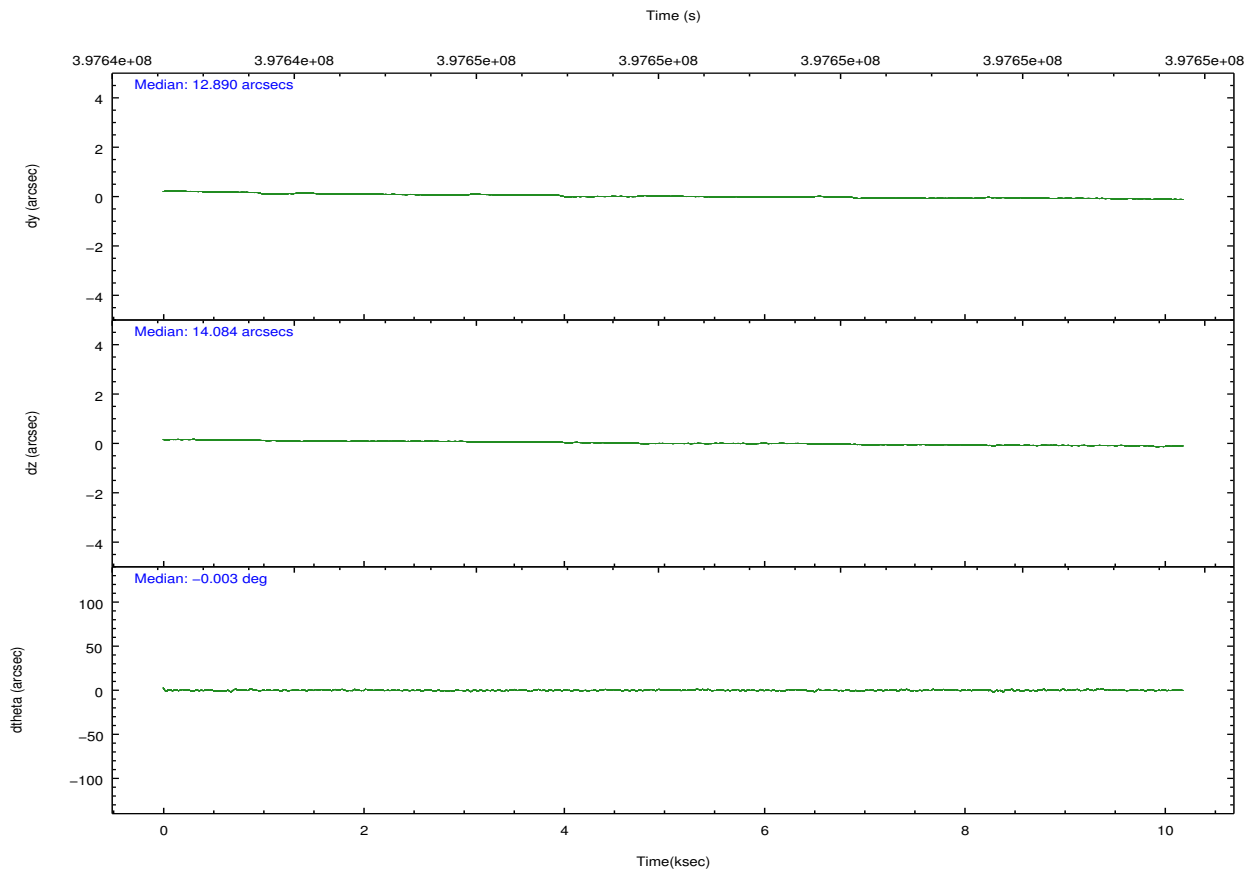
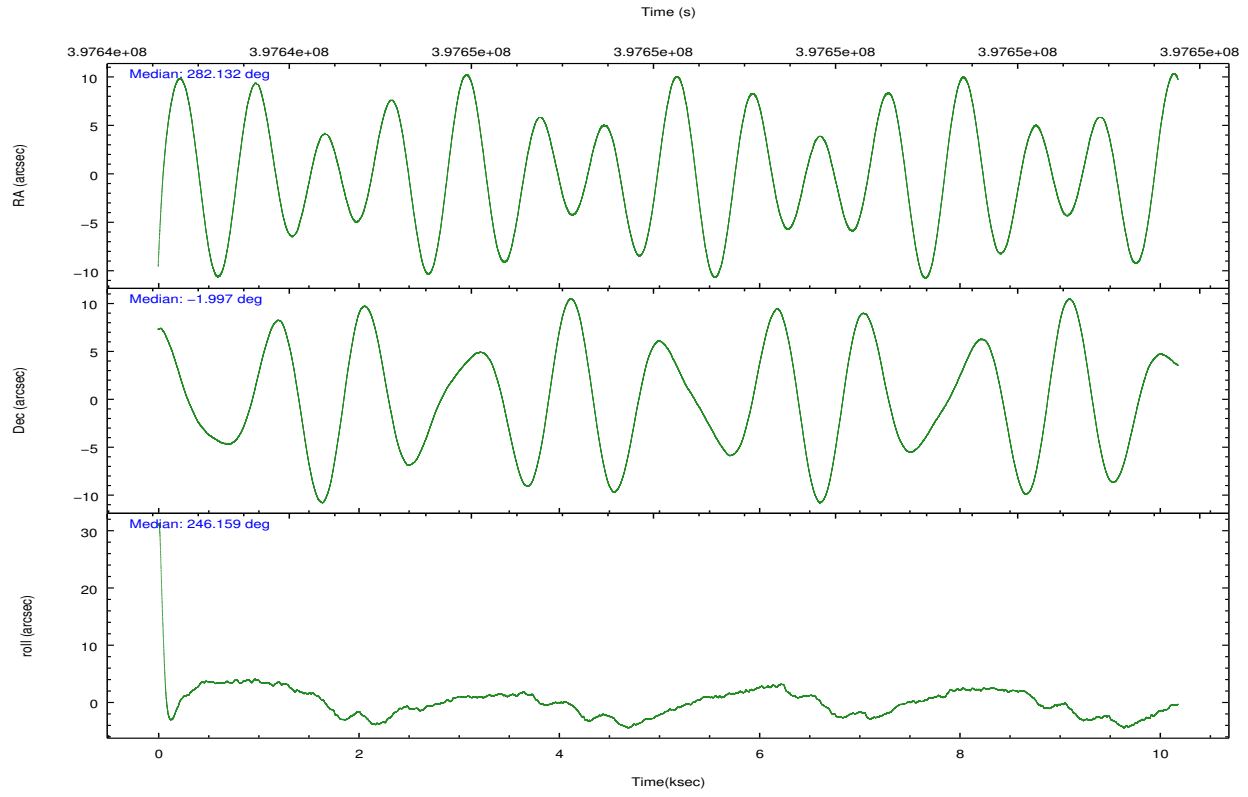
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	62586	61464	71040	66361	70592	72350	grade 0 events	3351	2840	2768	2764	2832	3461
rejected events	54367	53631	63830	59141	62824	37510		5%	4%	3%	4%	4%	4%
rejected %	86%	87%	89%	89%	88%	51%	grade 1 events	42	34	48	39	33	119
								0%	0%	0%	0%	0%	0%
							grade 2 events	1838	1763	1779	1600	1784	7603
								2%	2%	2%	2%	2%	10%
							grade 3 events	878	838	734	749	785	3178
								1%	1%	1%	1%	1%	4%
							grade 4 events	782	842	703	747	803	3210
								1%	1%	0%	1%	1%	4%
							grade 5 events	2329	2507	2156	2609	2768	7583
								3%	4%	3%	3%	3%	10%
							grade 6 events	1375	1551	1228	1365	1571	17411
								2%	2%	1%	2%	2%	24%
							grade 7 events	51991	51089	61624	56488	60016	29785
								83%	83%	86%	85%	85%	41%

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	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	282.129349	282.1324587983511	CCD I2 on	Y	Y
[deg] Pointing Dec	-1.969874	-1.997180028574654	CCD I3 on	Y	Y
[deg] Pointing Roll	245.958428	246.1672709213167	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	397643248.184000	397641822.46288	CCD S5 on	N	N
Observation start date	2010-08-08T08:26:22	2010-08-08T08:03:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	397653248.184000	397654062.50101	On-chip summing requested	N	N
Observation end date	2010-08-08T11:13:02	2010-08-08T11:27:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



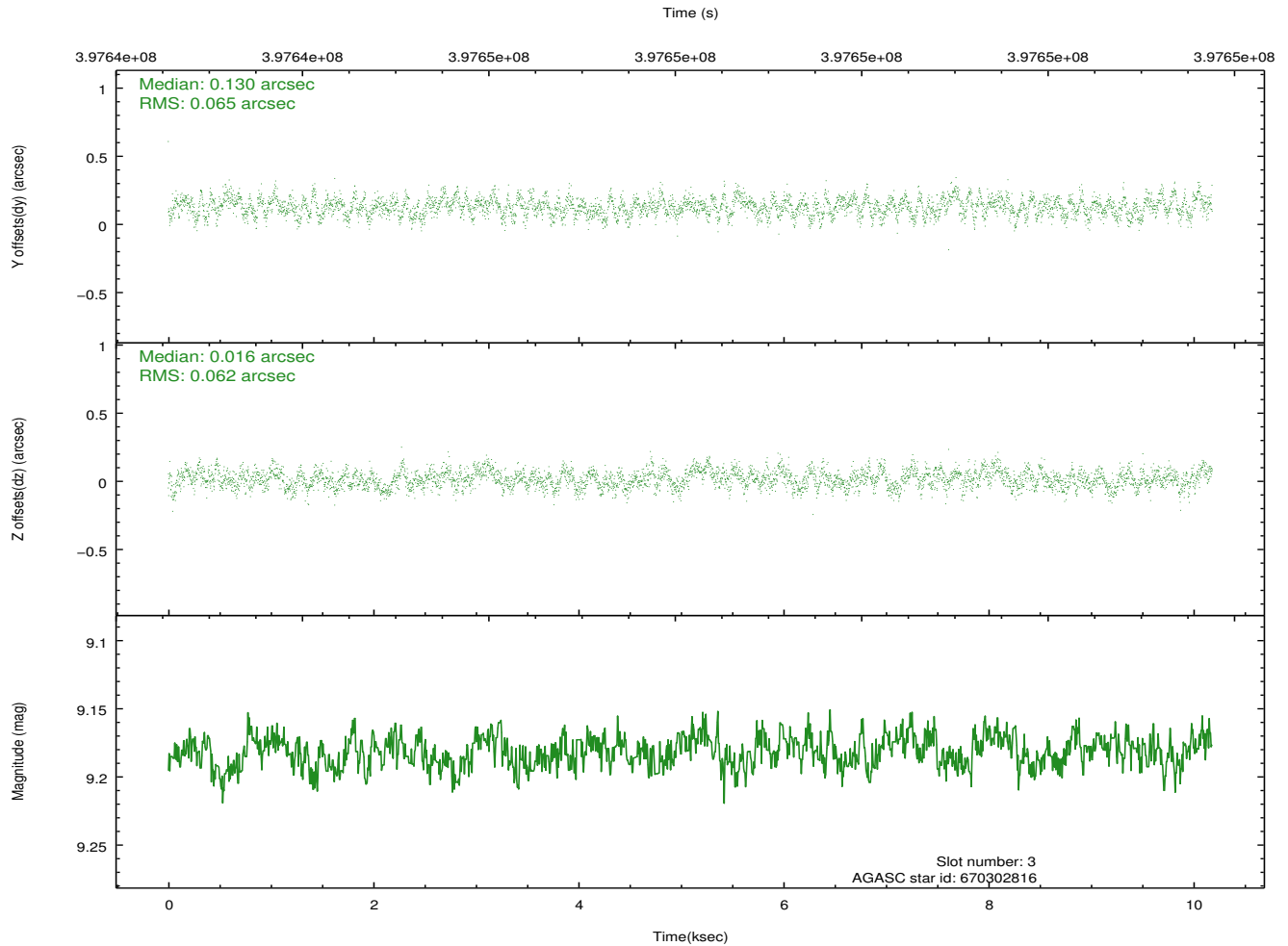
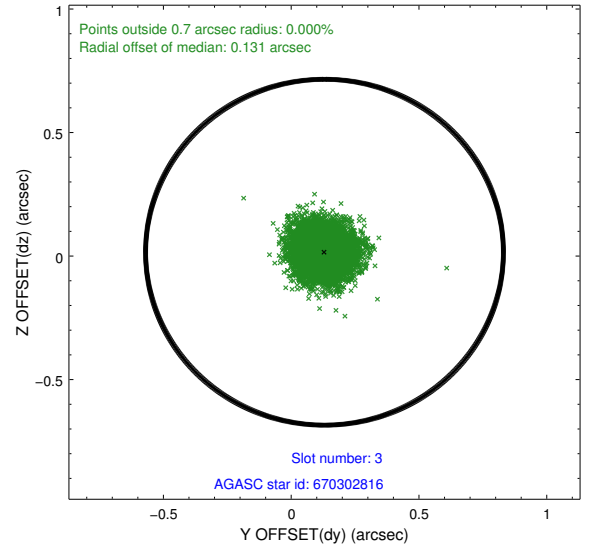
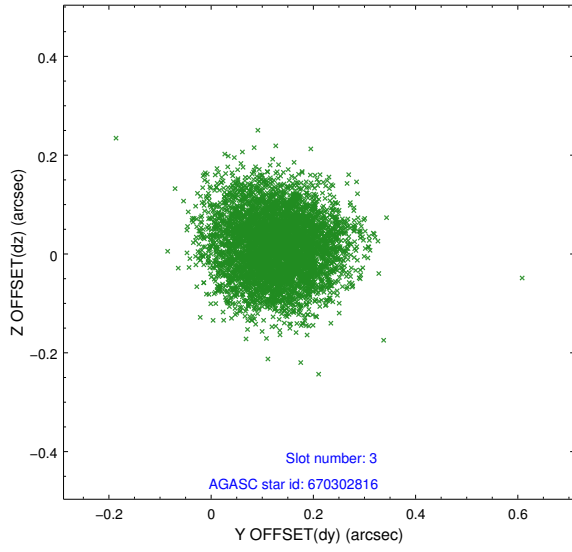


Slot Statistics

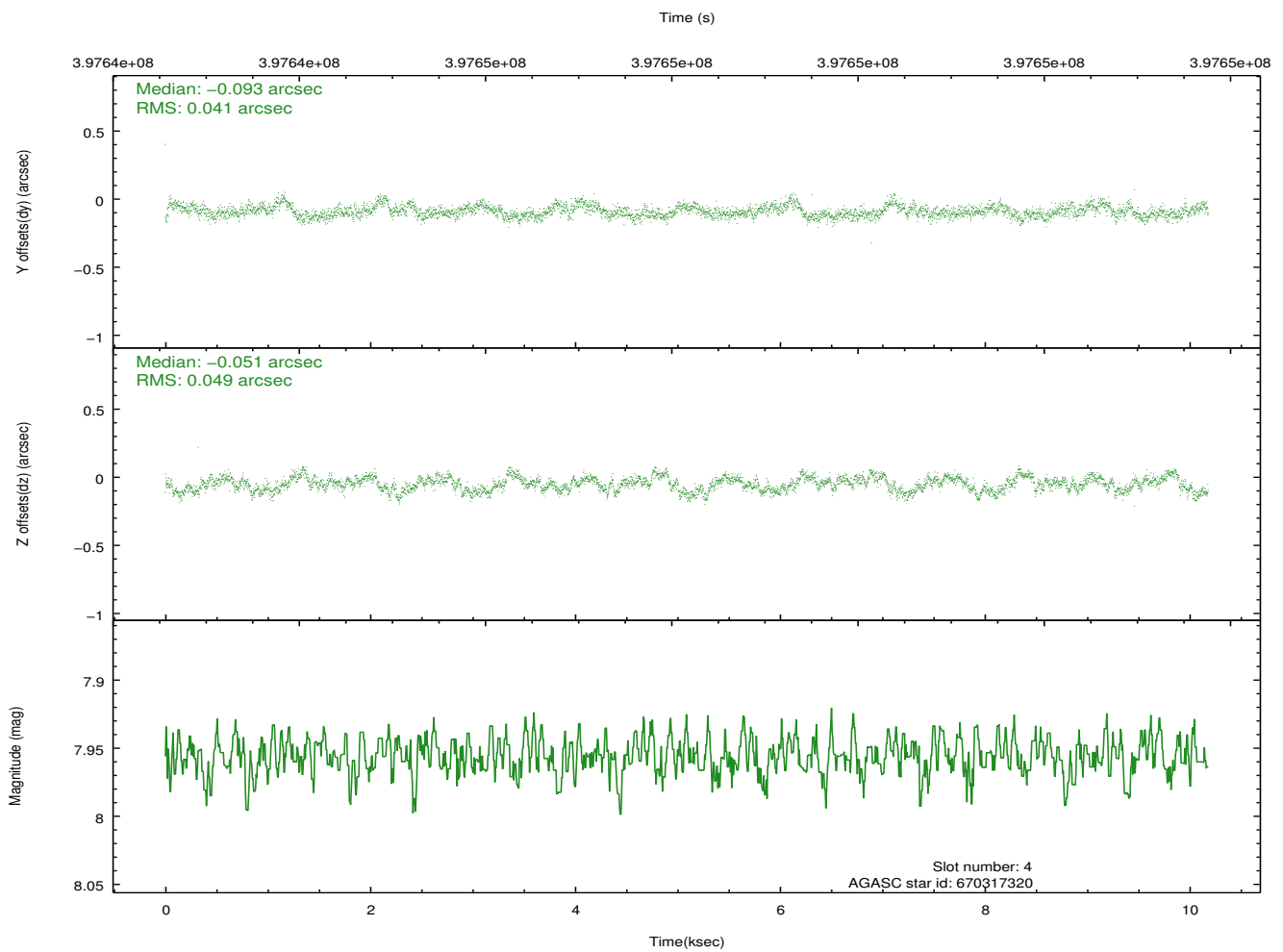
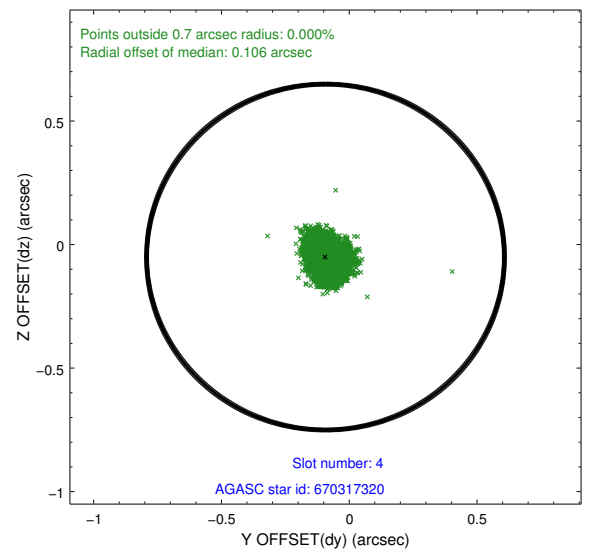
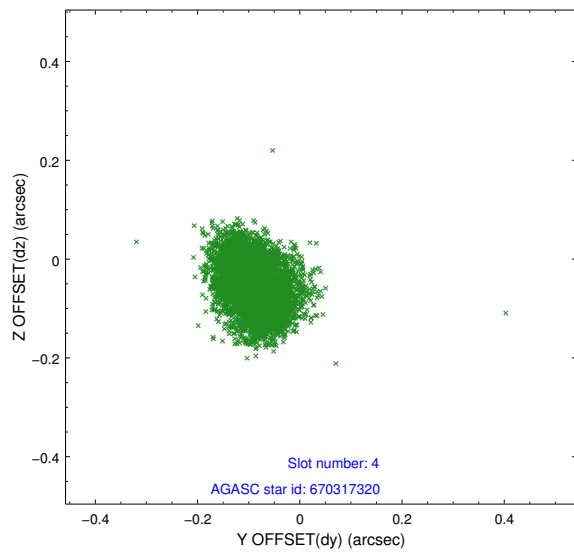
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	2484	-0.027	0.035	0.008	0.015	0.000000	0.000000	926.59	-837.63
1	FID	ACIS-I-4	6.98	2484	0.183	0.012	0.008	0.013	0.000000	0.000000	2147.11	1061.91
2	FID	ACIS-I-5	7.05	2484	-0.255	0.023	0.008	0.016	0.000000	0.000000	-1820.99	1060.32
3	GUIDE	670302816	9.18	4963	0.130	0.016	0.098	0.151	282.920827	-1.759792	-1850.12	2293.03
4	GUIDE	670317320	7.96	4967	-0.093	-0.051	0.069	0.107	281.764311	-1.843342	119.48	-1384.46
5	GUIDE	670826608	9.22	4939	0.027	0.073	0.099	0.162	282.595495	-2.141533	-118.31	1783.26
6	GUIDE	670827280	9.40	4960	0.086	-0.059	0.128	0.199	281.434708	-1.976010	1040.74	-2272.71
7	GUIDE	670826680	9.21	4943	-0.156	0.024	0.119	0.186	282.619566	-2.432067	801.76	2288.08

2.4 Star Slots

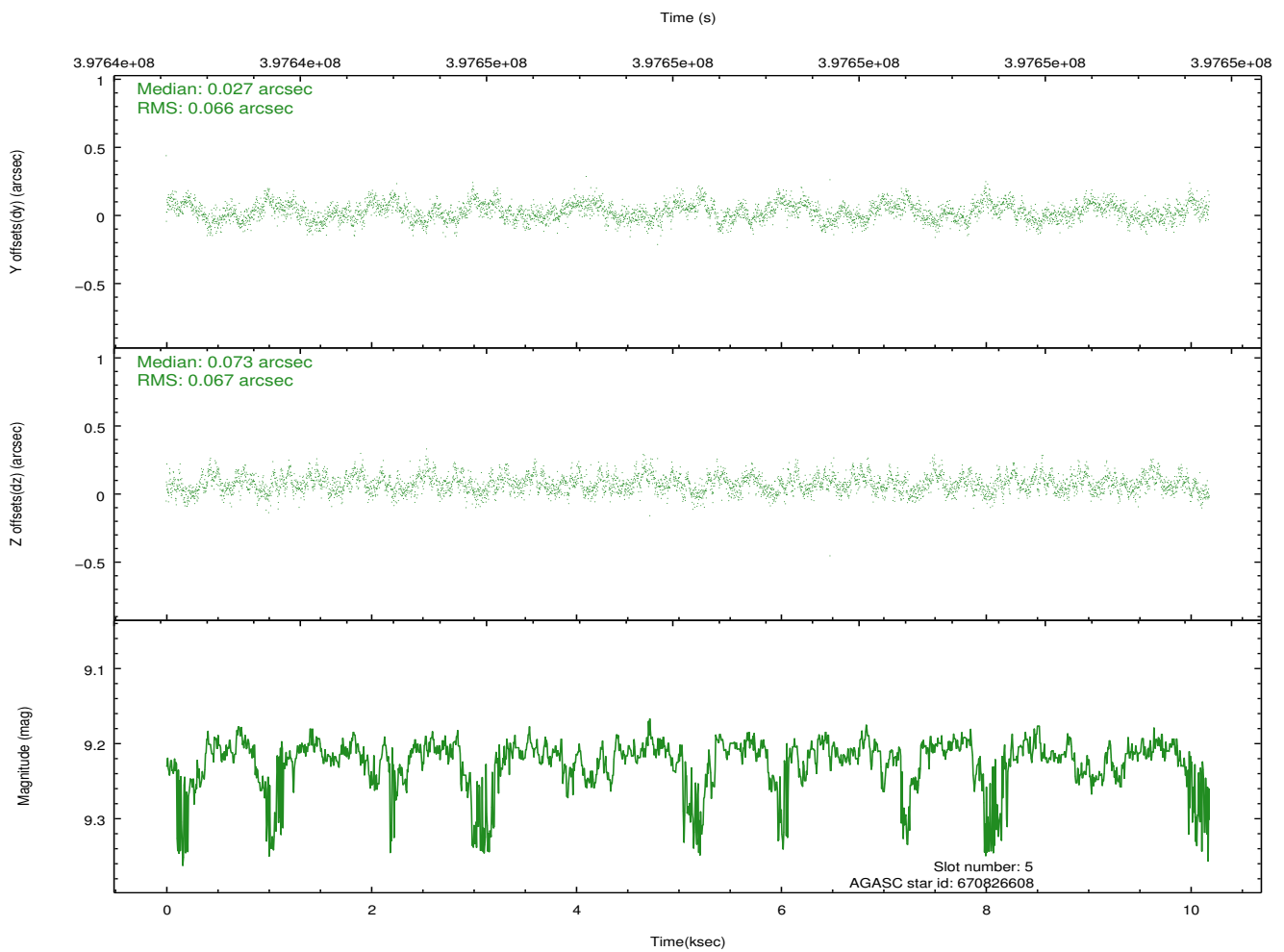
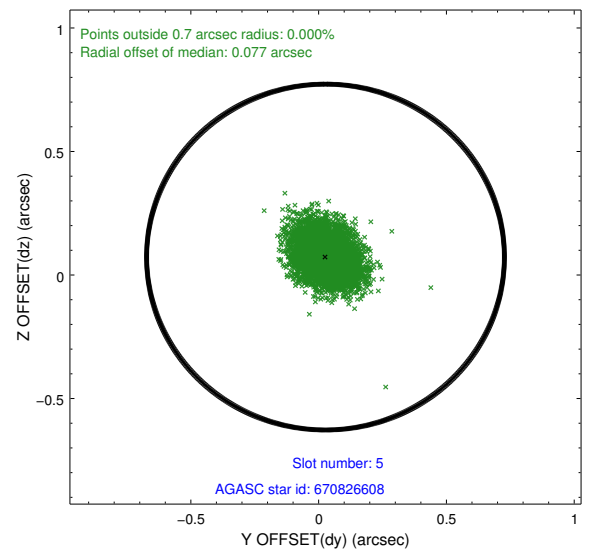
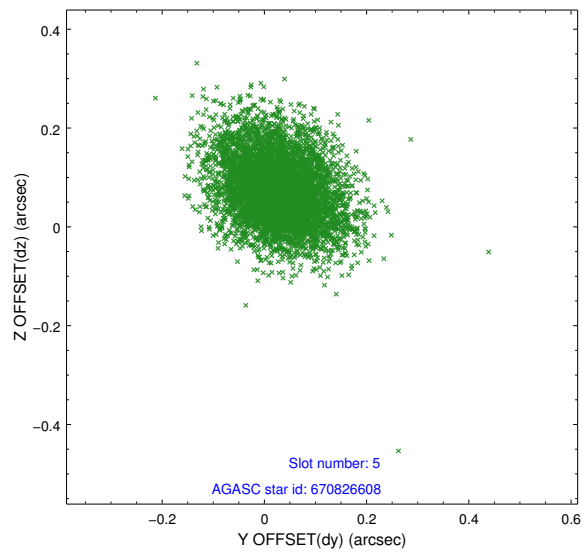
2.4.1 Slot 3



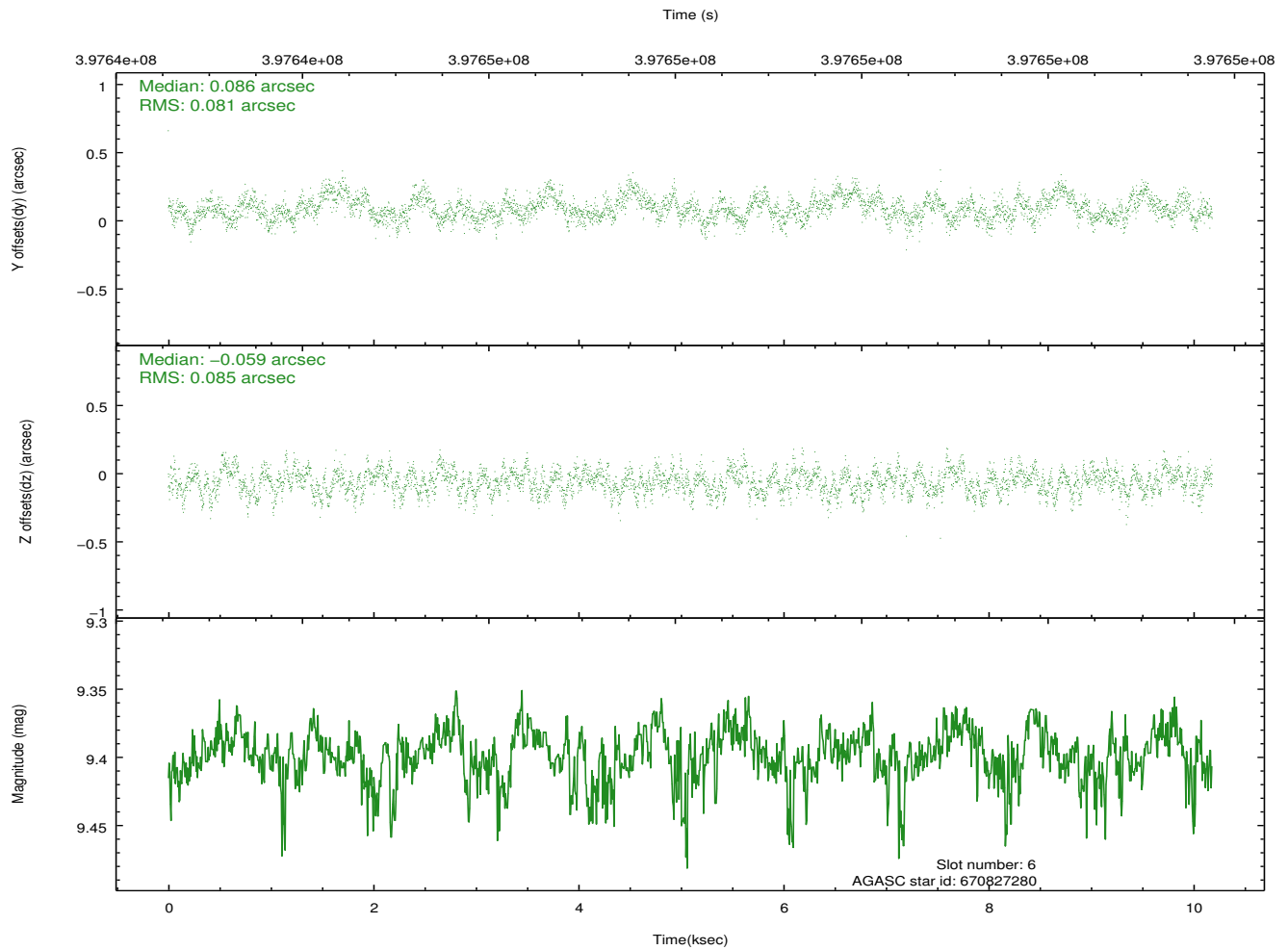
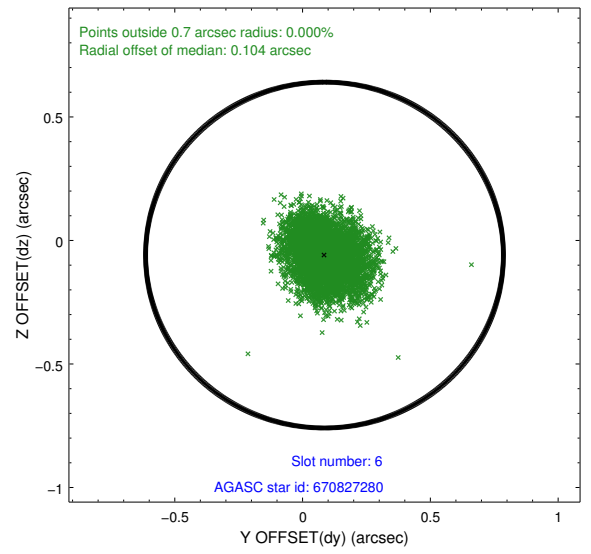
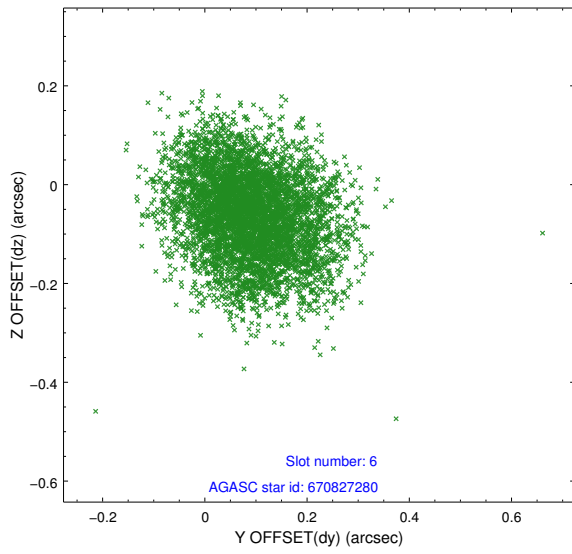
2.4.2 Slot 4



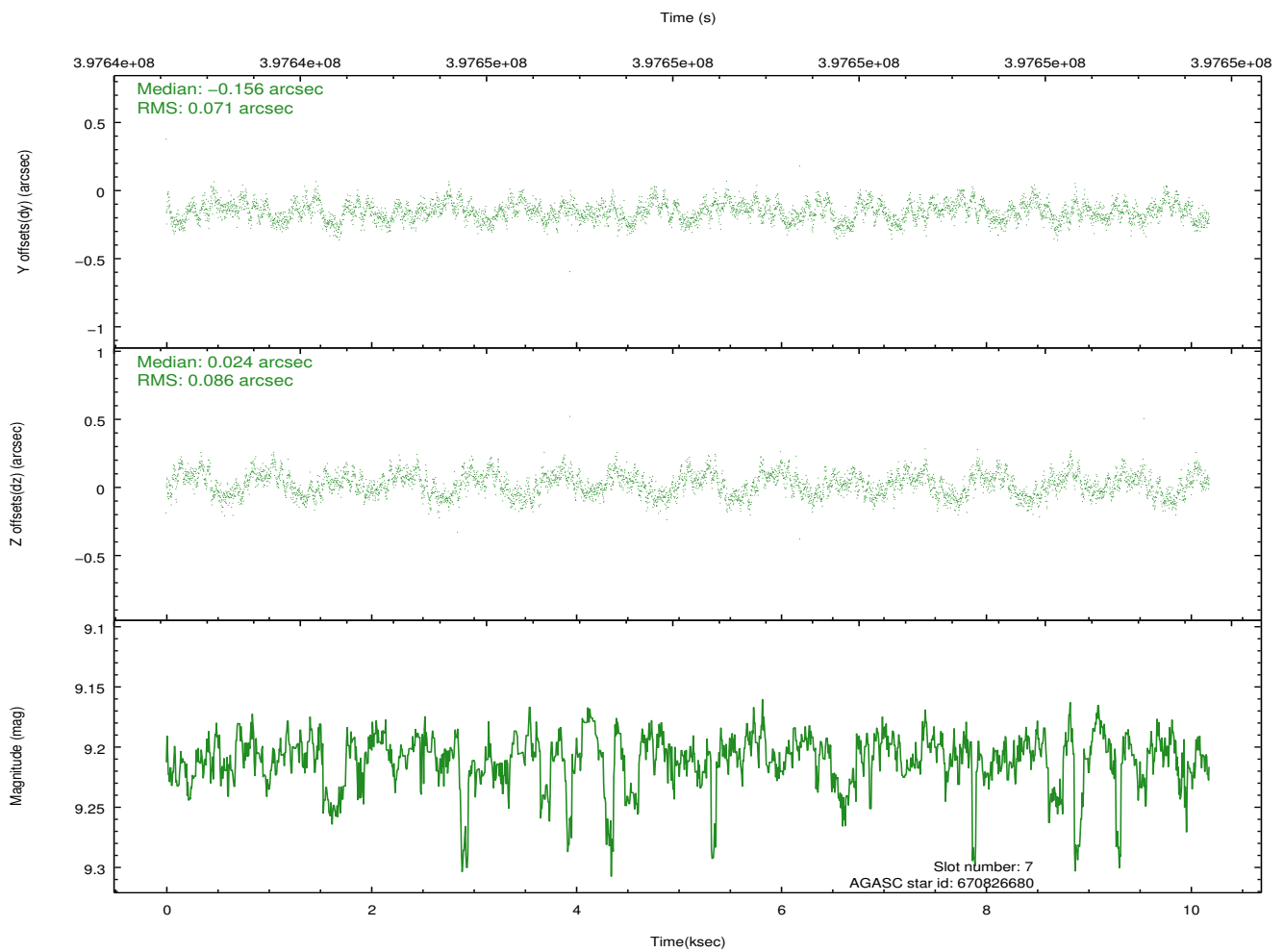
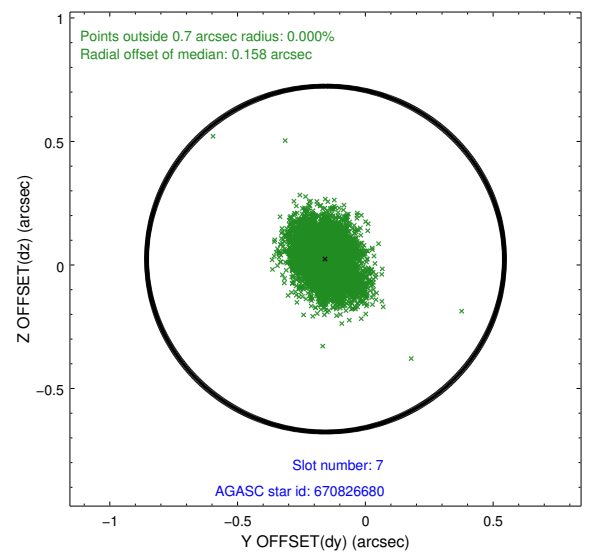
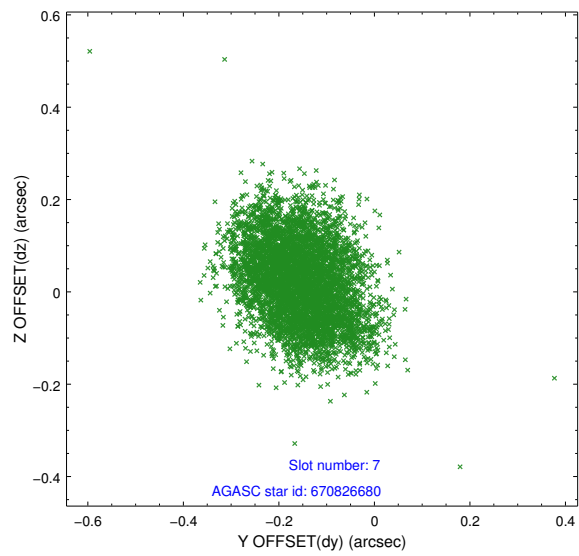
2.4.3 Slot 5



2.4.4 Slot 6

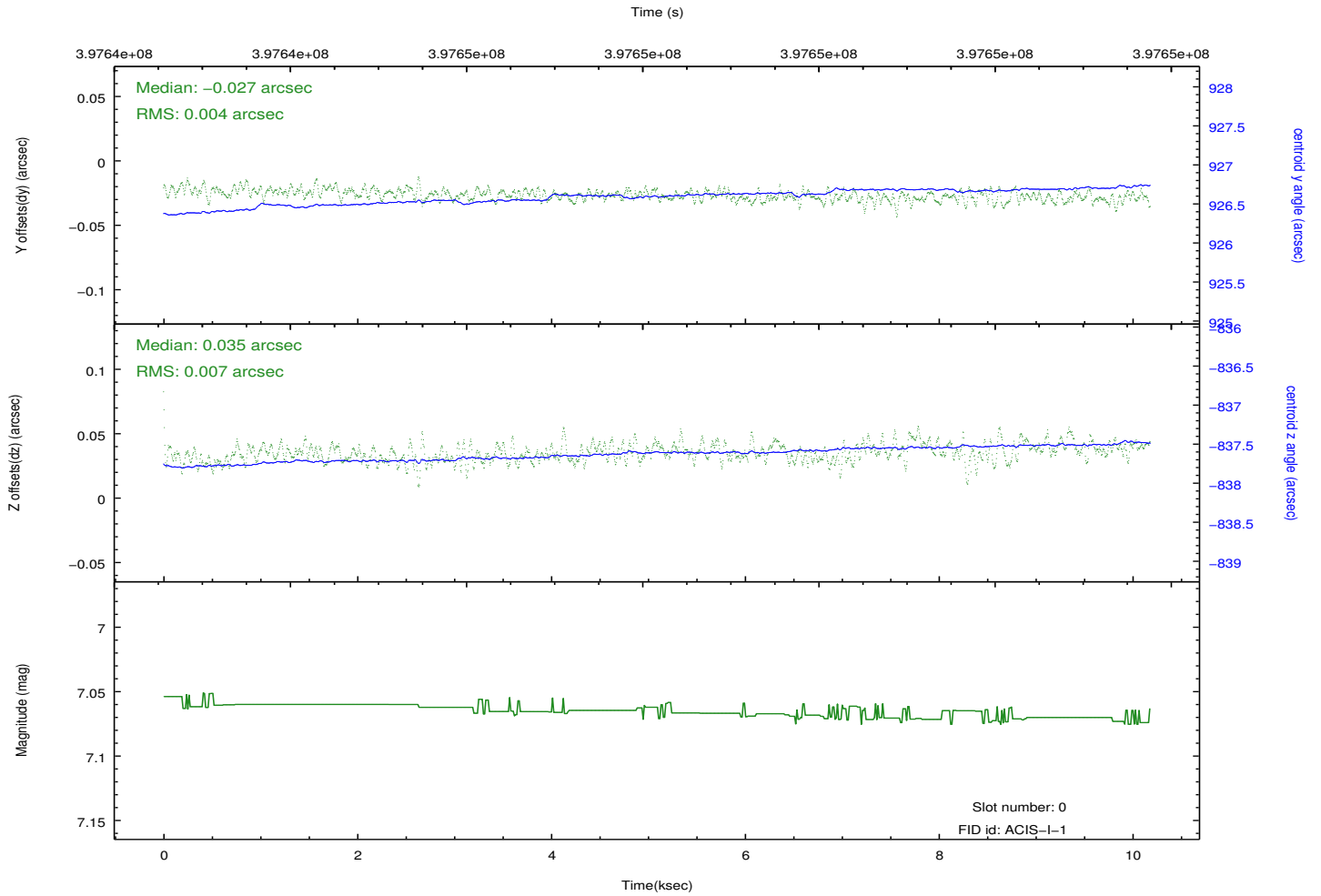
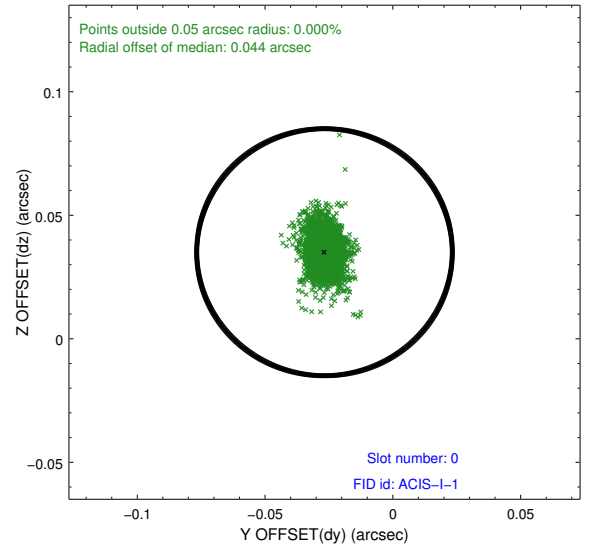
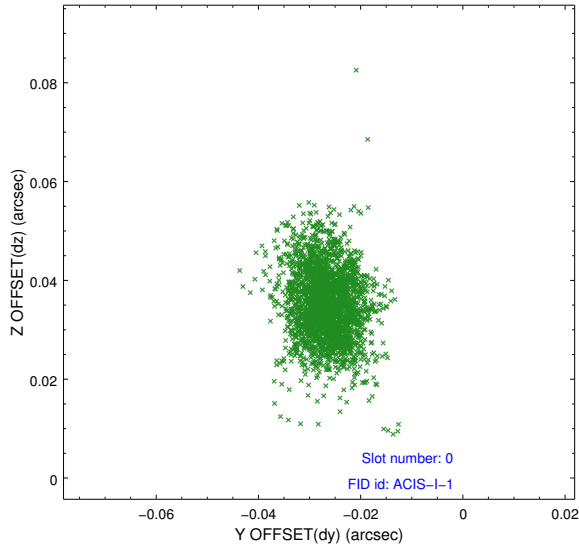


2.4.5 Slot 7

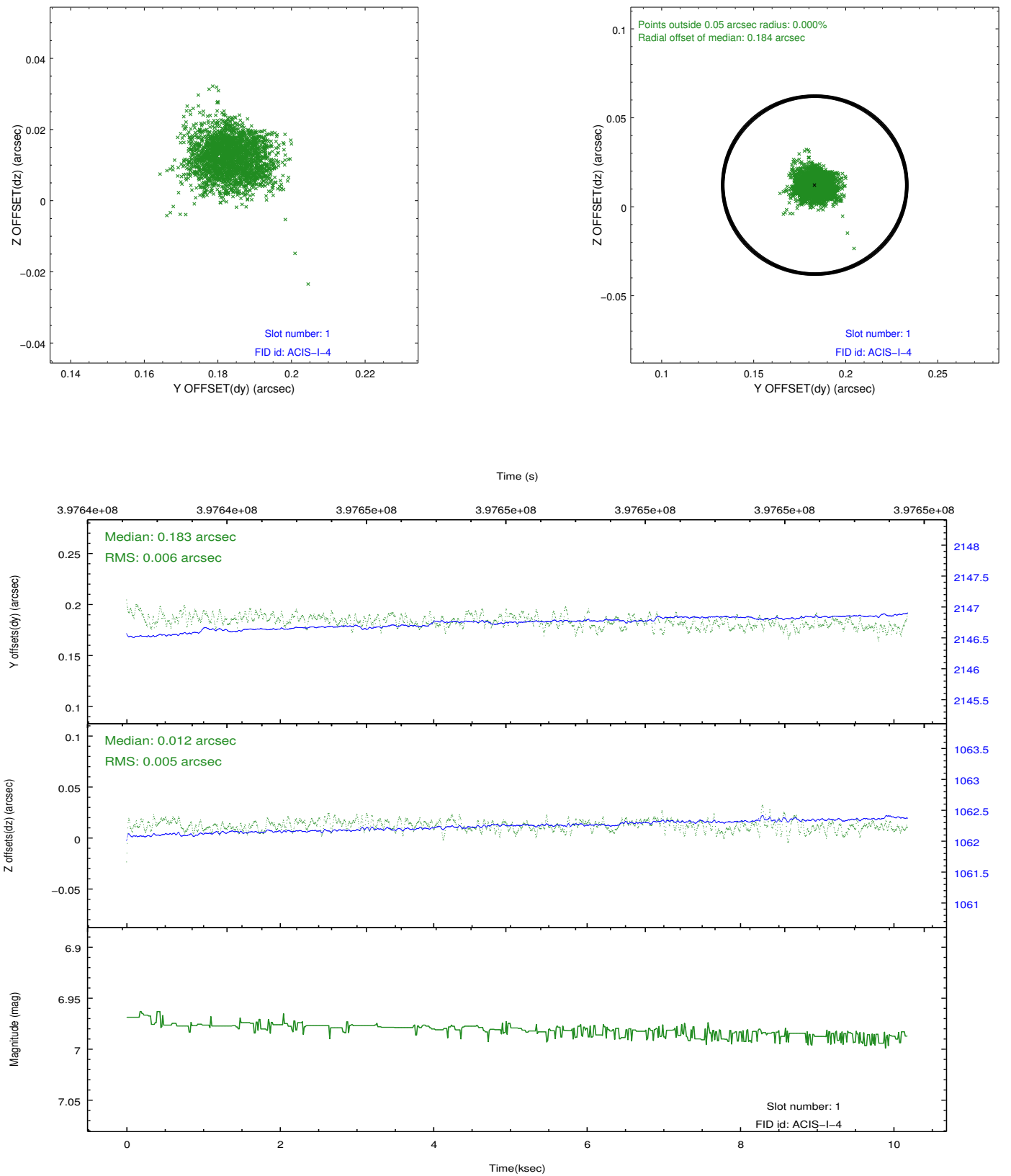


2.5 FID Slots

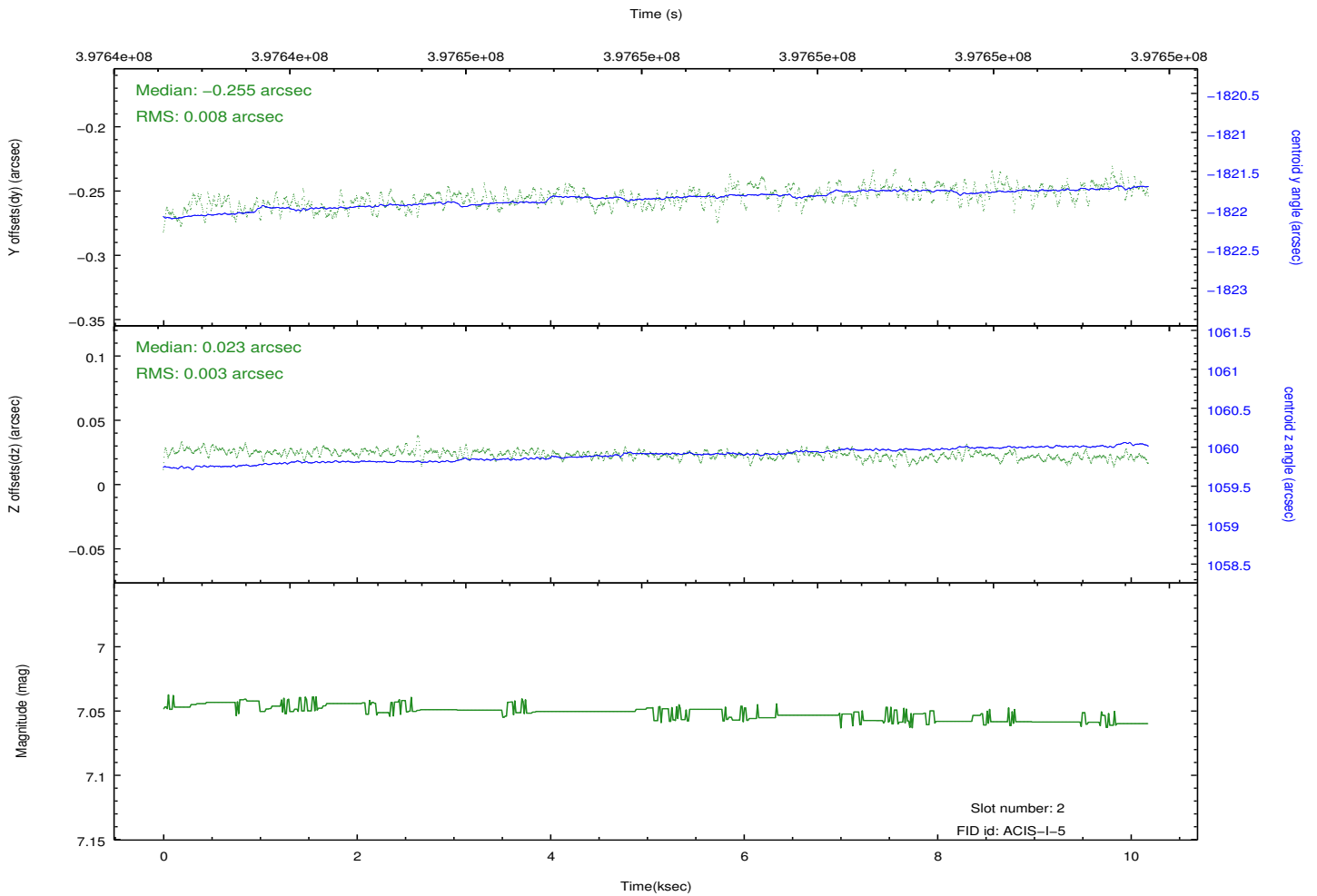
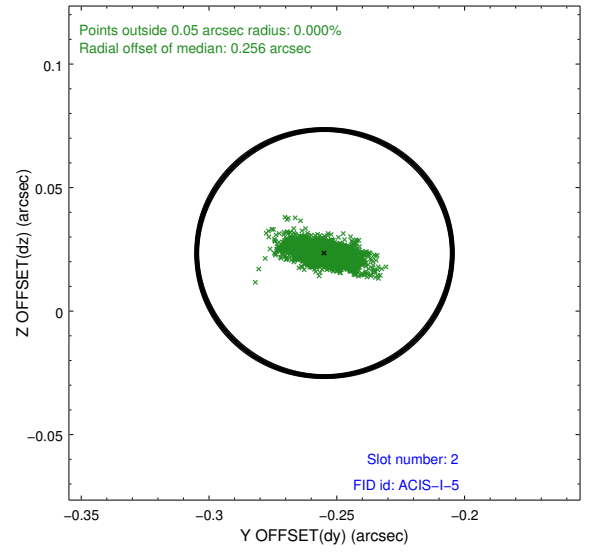
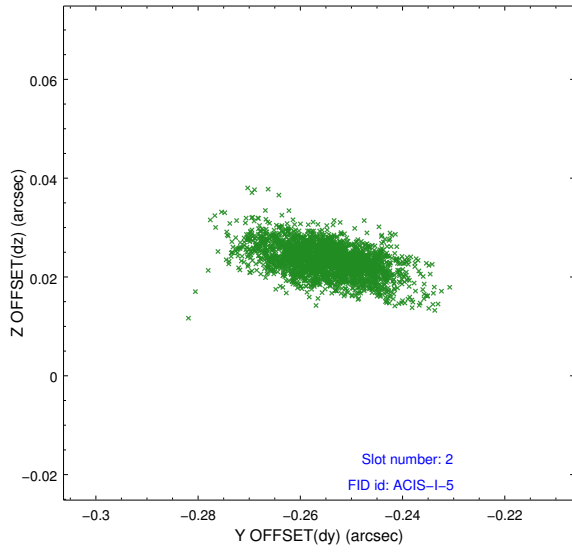
2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.051033929229

A.2 Comments