

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7578 - L2 Version 3
Chandra X-Ray Center

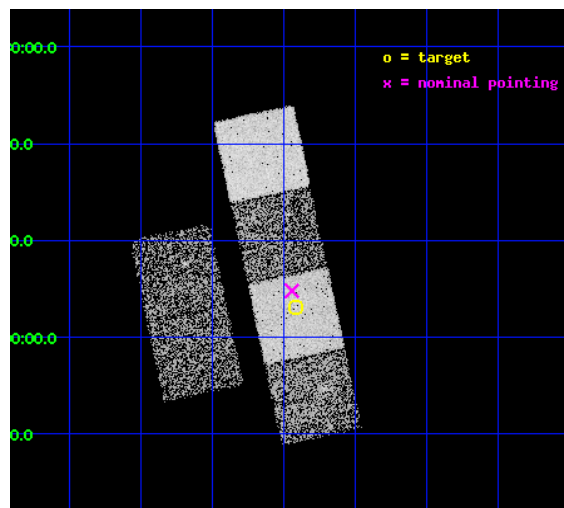
L2 Processing Date : Apr 20 2012

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1 Front

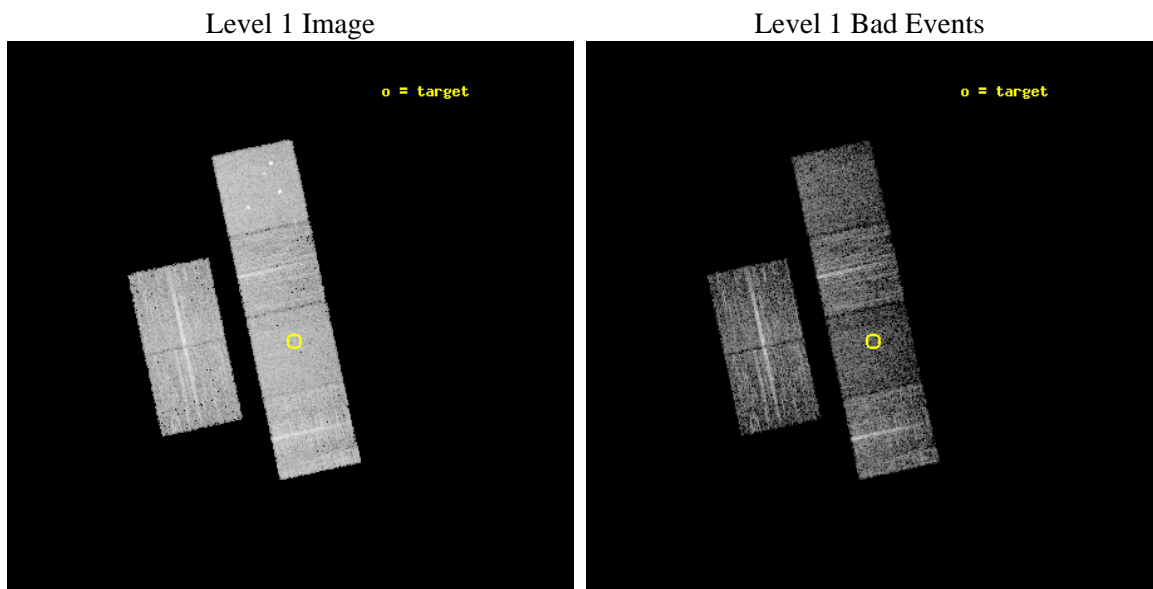
seq_num	500710	Sequence number
obs_id	7578	Observation id
title	Chandra monitoring of the candidate Anomalous X-ray Pulsar AX J1845-0258	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	AX J1845-0258	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.227833	Observer's specified target RA [deg]
dec_targ	-2.948083	Observer's specified target Dec [deg]
ra_nom	281.23555600551	Nominal RA [deg]
dec_nom	-2.9200791002034	Nominal Dec [deg]
roll_nom	77.87661291448	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4742.3999823928	Sum of GTIs [s]
livetime	4682.3488582853	Livetime [s]
ontime2	4742.3999823928	Sum of GTIs [s]
ontime3	4742.3999823928	Sum of GTIs [s]
ontime5	4742.3999823928	Sum of GTIs [s]
ontime6	4742.3999823928	Sum of GTIs [s]
ontime7	4742.3999823928	Sum of GTIs [s]
ontime8	4742.3999823928	Sum of GTIs [s]
l2events	53801	Number of level 2 events



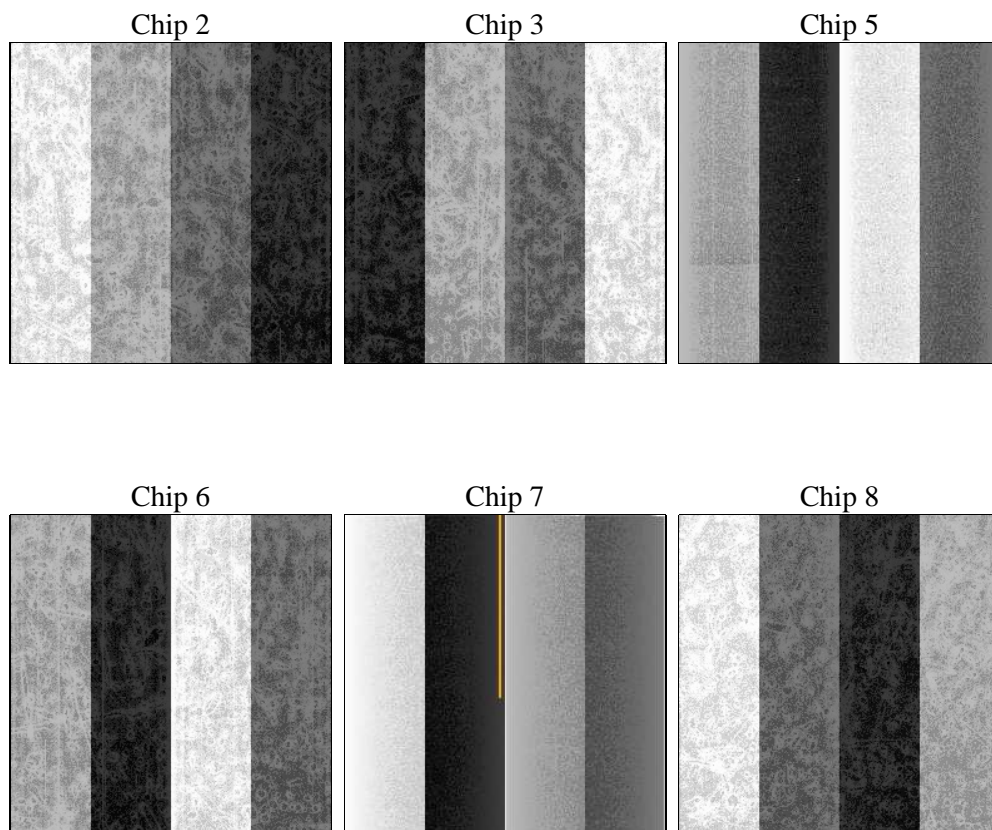
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4742.3999823928	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4742.3999823928	Sum of GTIs [s]
date	2012-04-20T04:37:37	Date and time of file creation	ontime3	4742.3999823928	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4742.3999823928	Sum of GTIs [s]
			ontime6	4742.3999823928	Sum of GTIs [s]
			ontime7	4742.3999823928	Sum of GTIs [s]
			ontime8	4742.3999823928	Sum of GTIs [s]
			l1events	241575	Number of level 1 events

2.1.4 Events

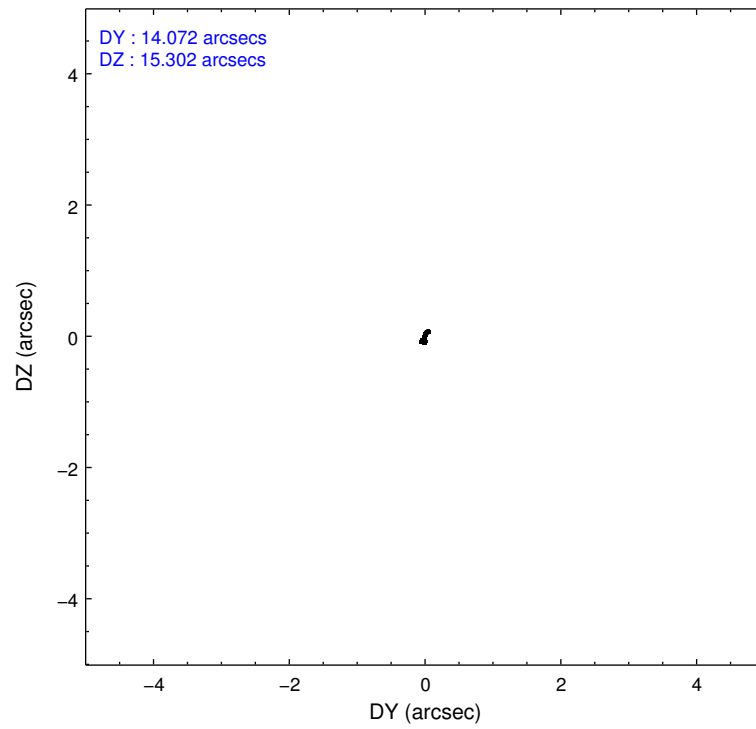
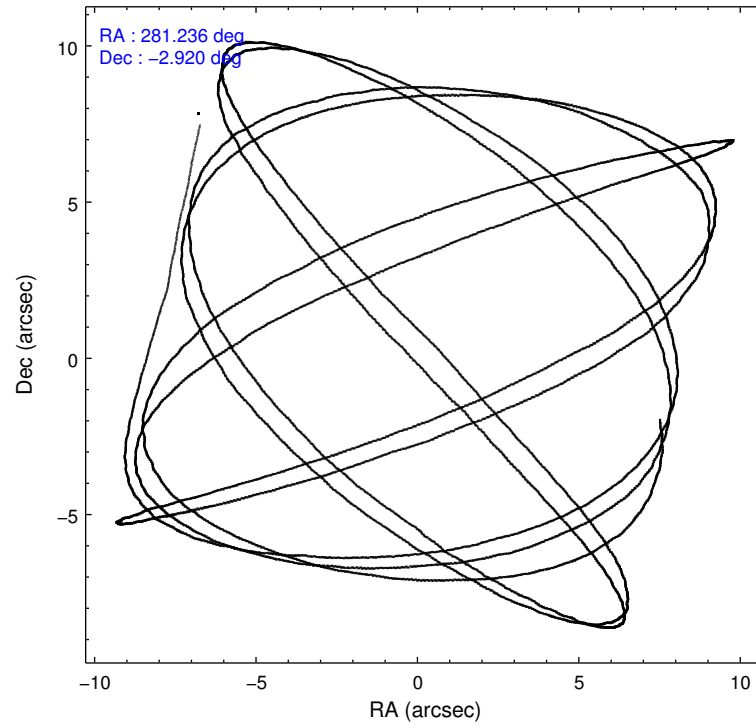
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	37204	35051	48688	36353	38649	45630	grade 0 events	1416	1249	3212	1569	1776	3362
rejected events	33516	31684	23773	32366	20626	34656		3%	3%	6%	4%	4%	7%
rejected %	90%	90%	48%	89%	53%	75%	grade 1 events	23	18	123	14	67	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	822	684	7073	824	3680	2558
								2%	1%	14%	2%	9%	5%
							grade 3 events	382	385	1080	386	1747	1146
								1%	1%	2%	1%	4%	2%
							grade 4 events	382	408	1009	405	1681	1068
								1%	1%	2%	1%	4%	2%
							grade 5 events	1134	1328	3804	1391	4226	2020
								3%	3%	7%	3%	10%	4%
							grade 6 events	687	641	12584	817	9159	2871
								1%	1%	25%	2%	23%	6%
							grade 7 events	32358	30338	19803	30947	16313	32570
								86%	86%	40%	85%	42%	71%

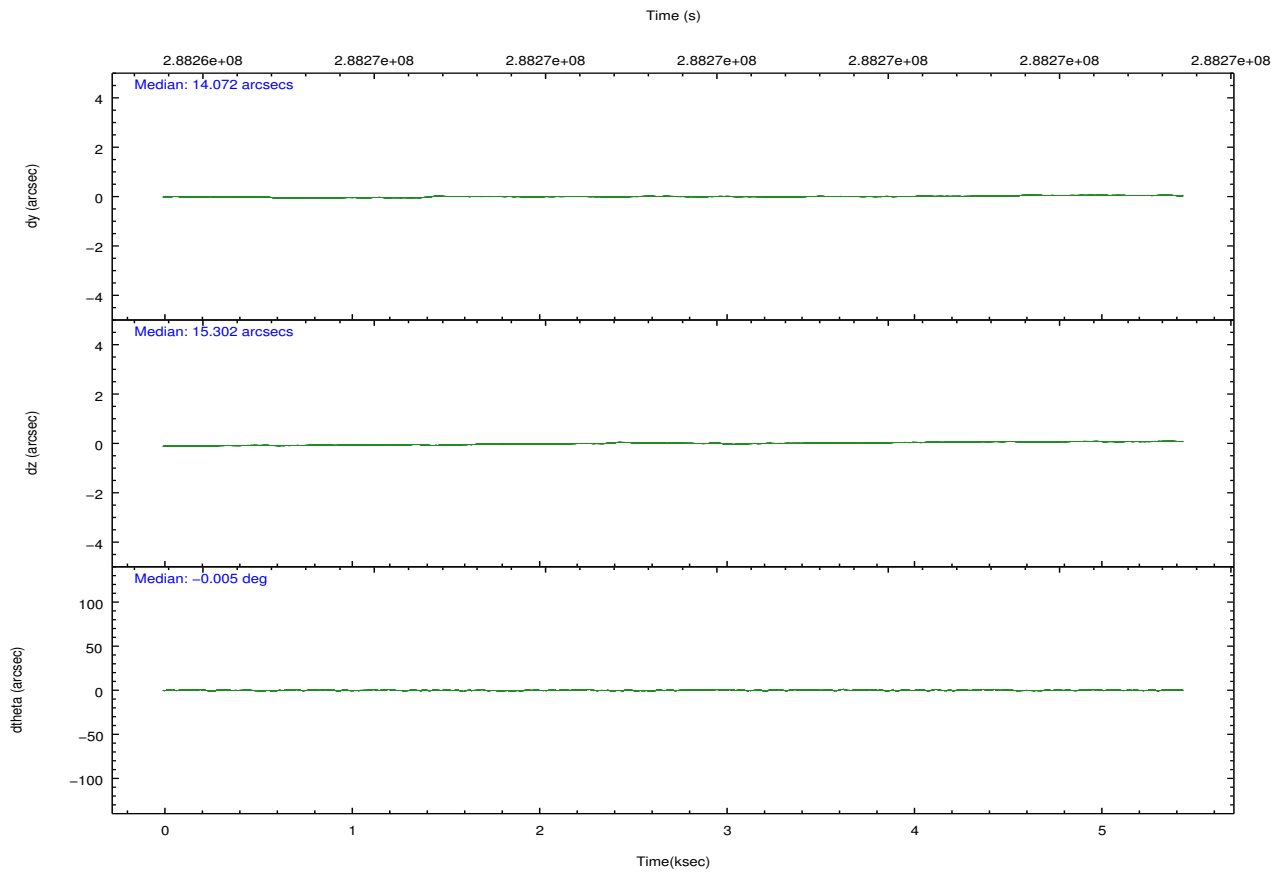
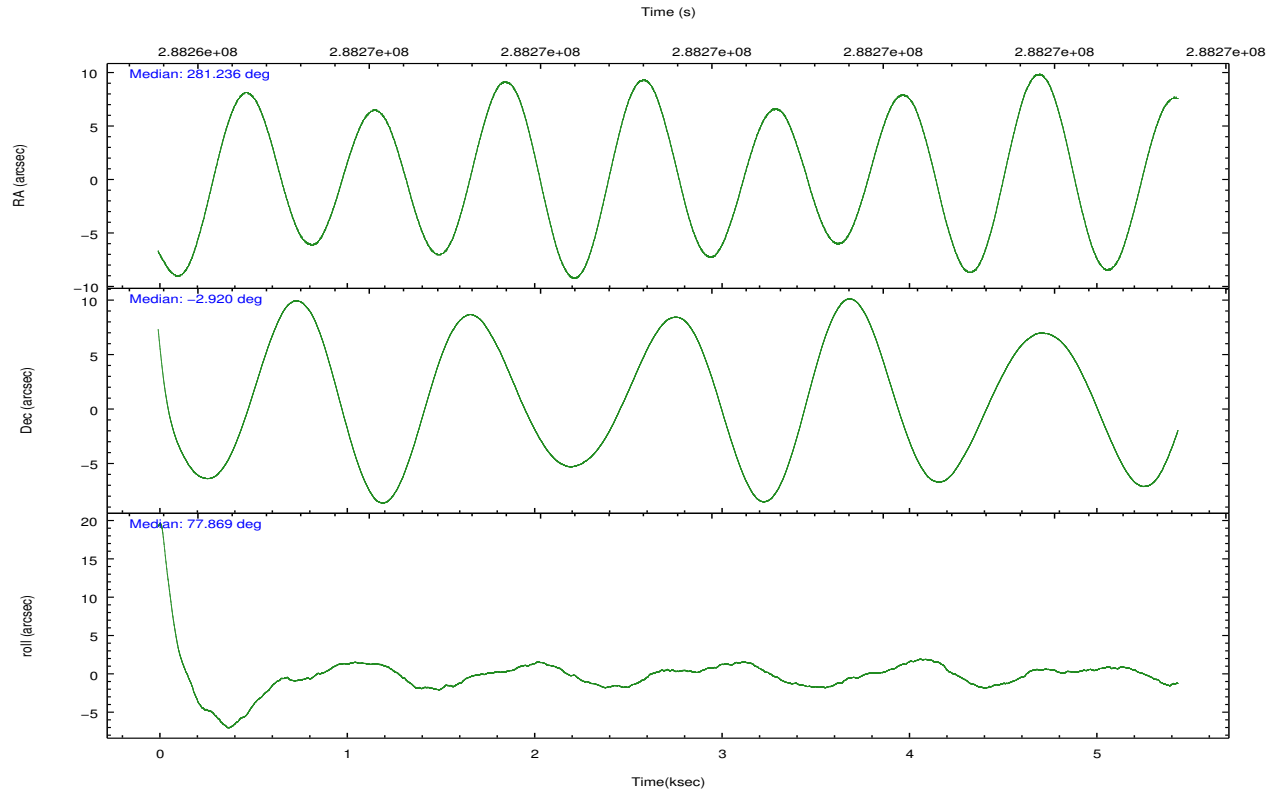
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	281.244366	281.2355560055076
[deg] Pointing Dec	-2.945876	-2.920079100203401
[deg] Pointing Roll	77.720411	77.87661291447996
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	288265758.184000	288264472.6825
Observation start date	2007-02-19T09:48:13	2007-02-19T09:27:52
[s] Observation end time (MET)	288270458.184000	288270831.7828
Observation end date	2007-02-19T11:06:33	2007-02-19T11:13:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	O2	Y
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



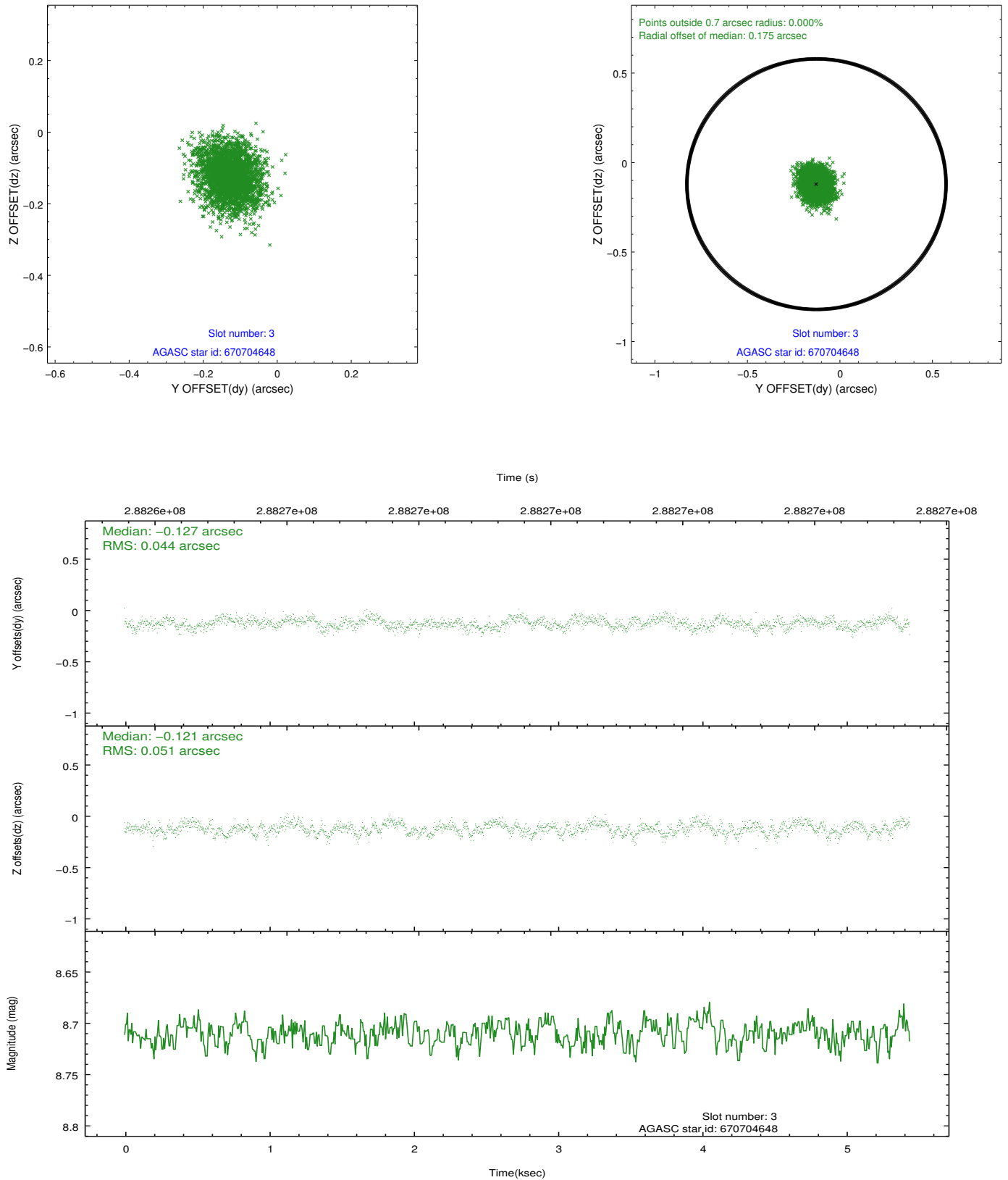


Slot Statistics

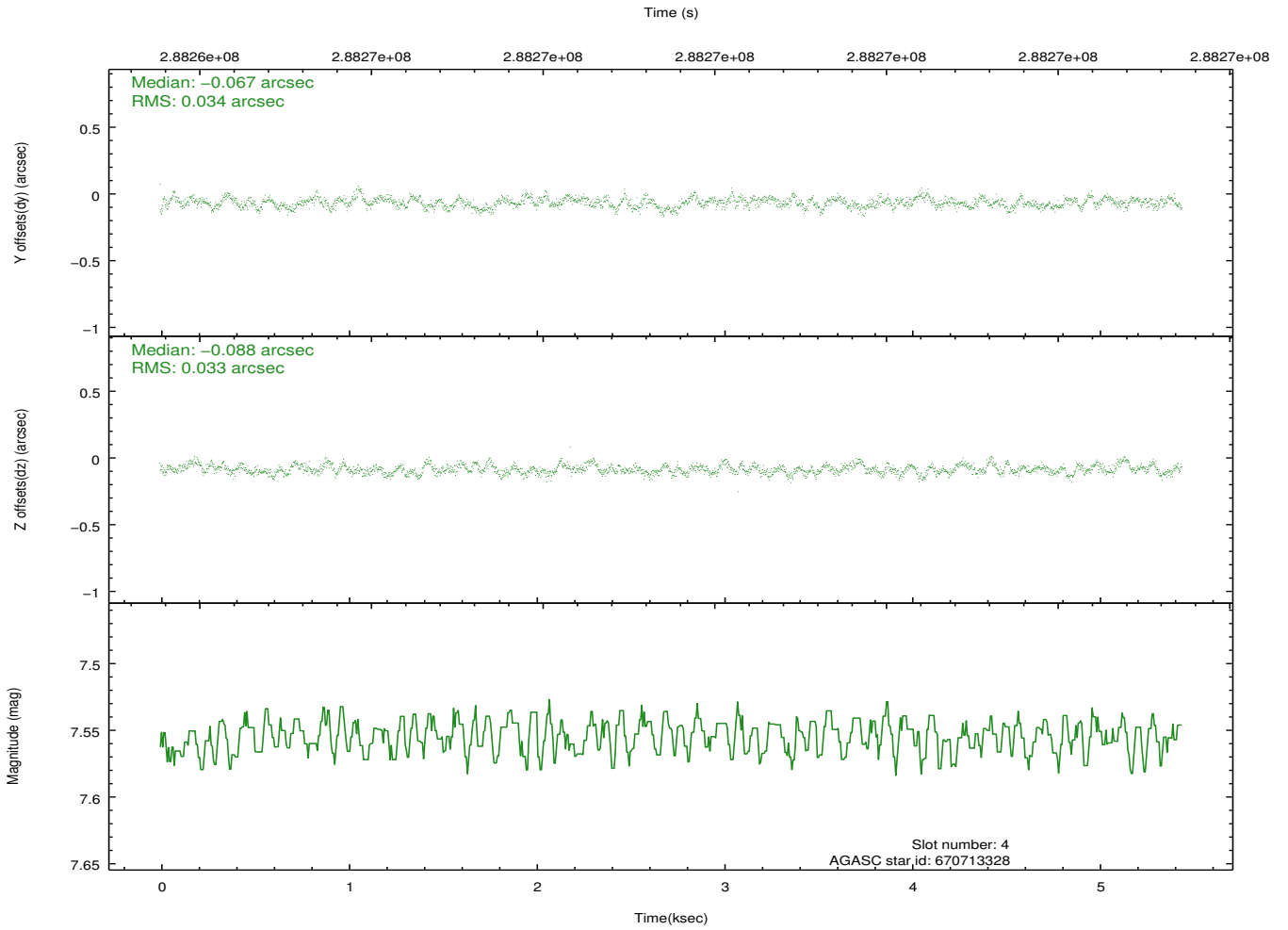
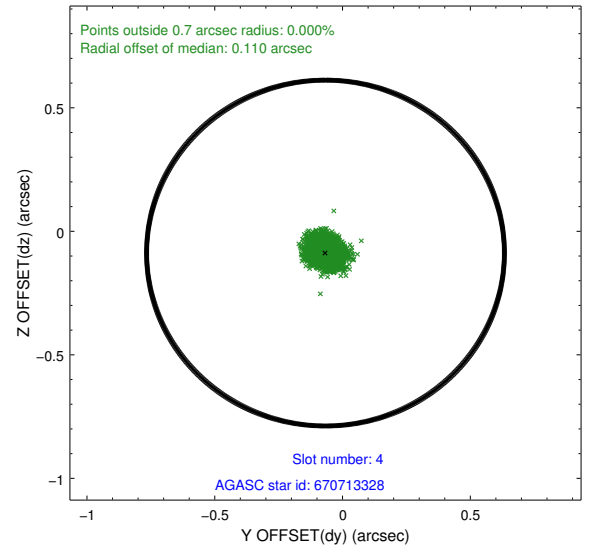
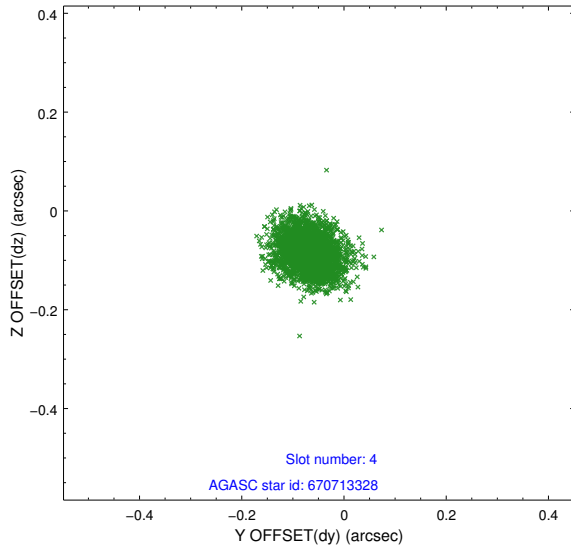
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1328	-0.076	-0.038	0.007	0.011	0.000000	0.000000	-767.07	-1736.68
1	FID	ACIS-S-4	7.20	1328	0.218	0.047	0.006	0.011	0.000000	0.000000	2145.97	170.77
2	FID	ACIS-S-5	7.22	1328	-0.173	-0.001	0.007	0.013	0.000000	0.000000	-1818.62	165.61
3	GUIDE	670704648	8.71	2656	-0.127	-0.121	0.072	0.115	280.736676	-2.935747	-352.82	1791.18
4	GUIDE	670713328	7.55	2656	-0.067	-0.088	0.051	0.082	280.824681	-3.187771	-1171.68	1289.44
5	GUIDE	670714008	9.02	2652	0.071	-0.137	0.080	0.131	281.129237	-3.153193	-817.17	246.03
6	GUIDE	670830264	8.75	2654	0.114	0.126	0.078	0.128	281.361536	-3.231556	-914.93	-630.00
7	GUIDE	670713072	9.01	2655	0.012	0.221	0.072	0.117	281.205407	-3.604132	-2345.02	-367.43

2.4 Star Slots

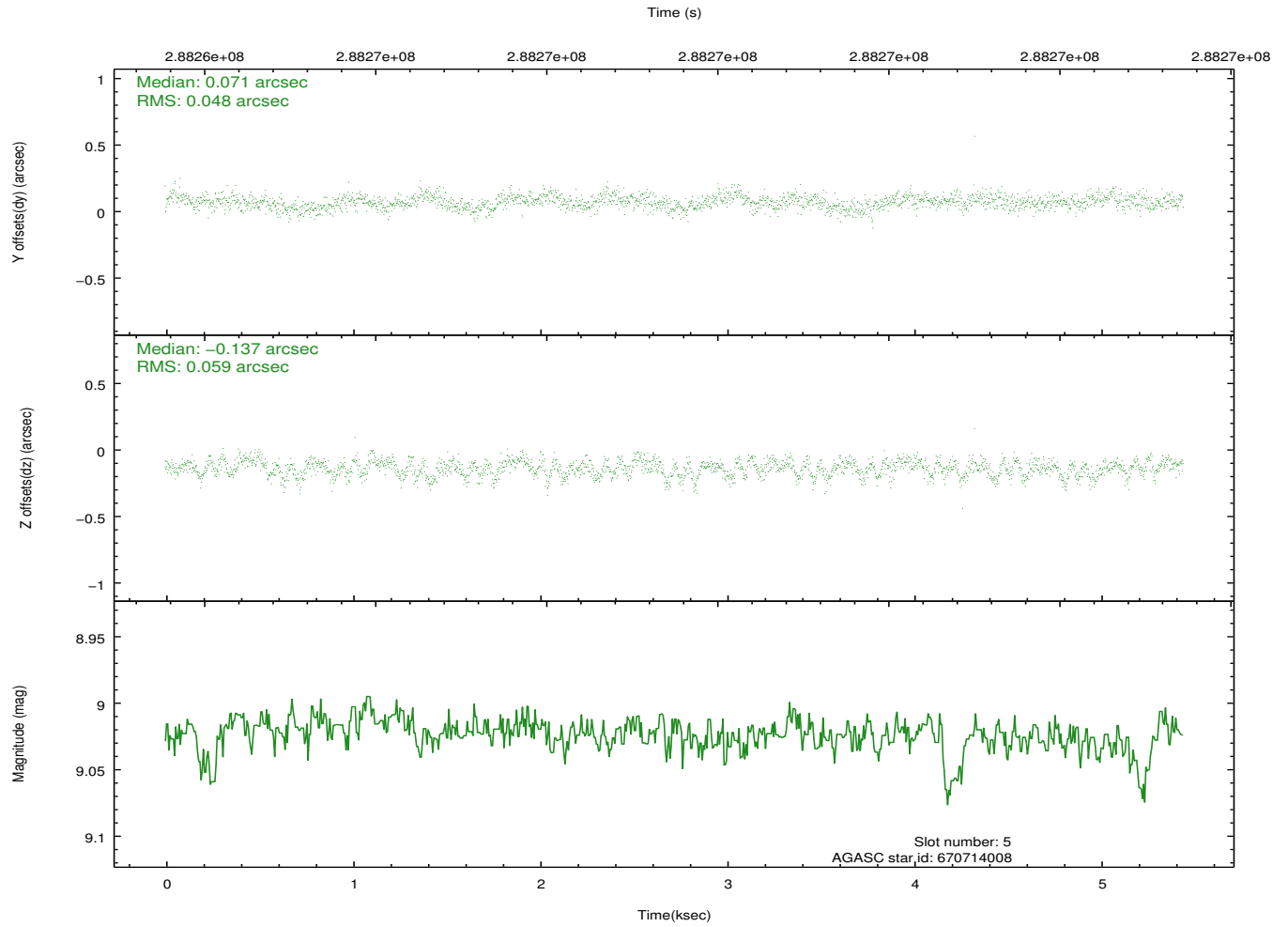
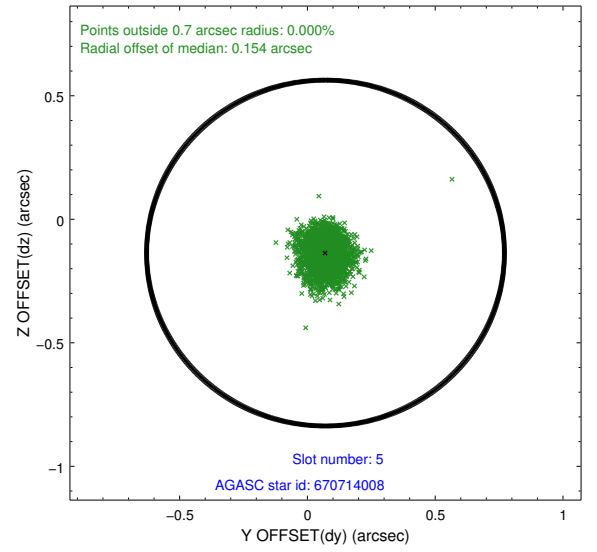
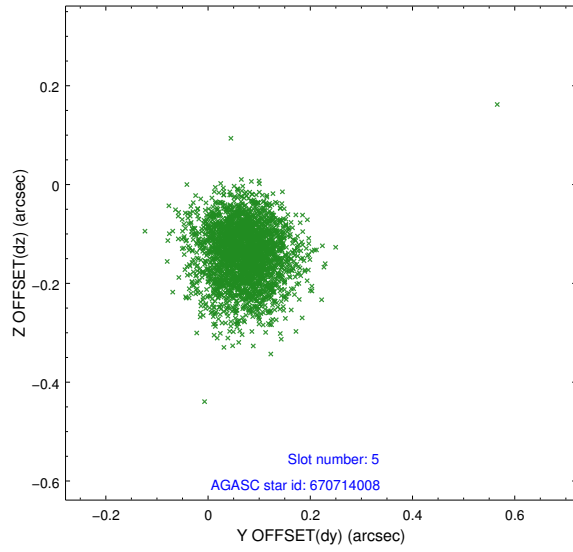
2.4.1 Slot 3



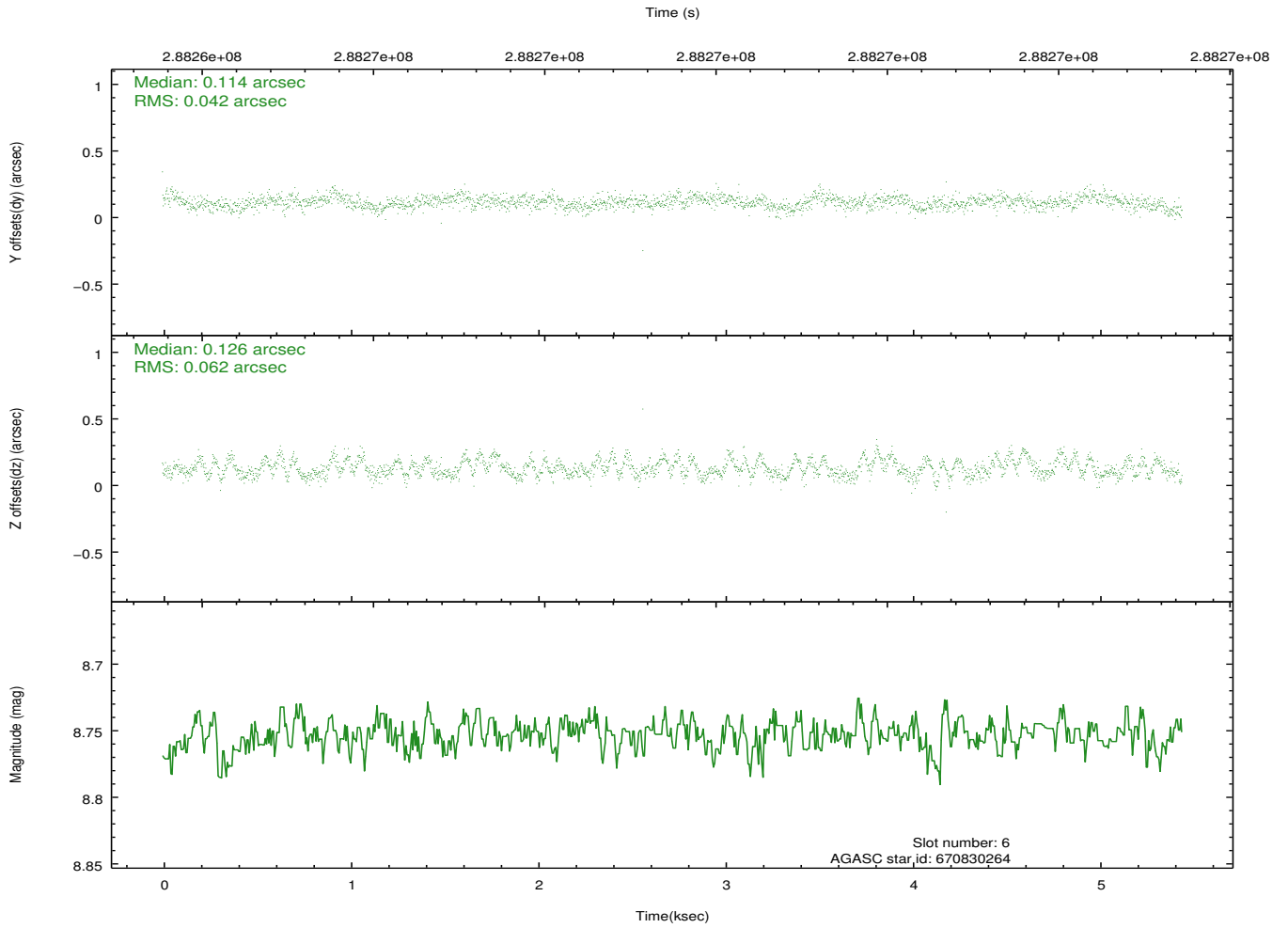
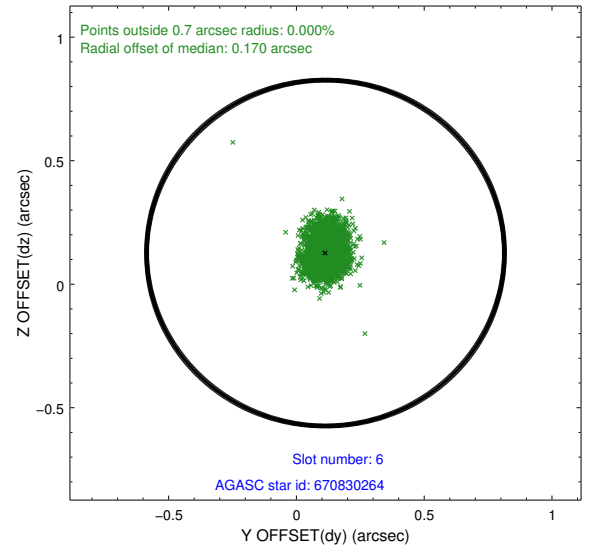
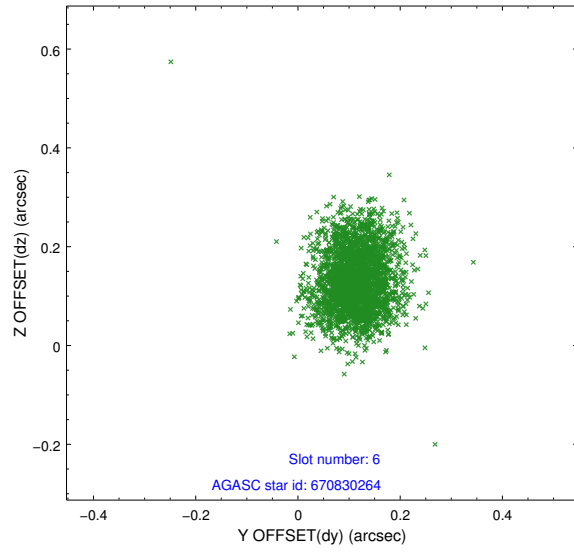
2.4.2 Slot 4



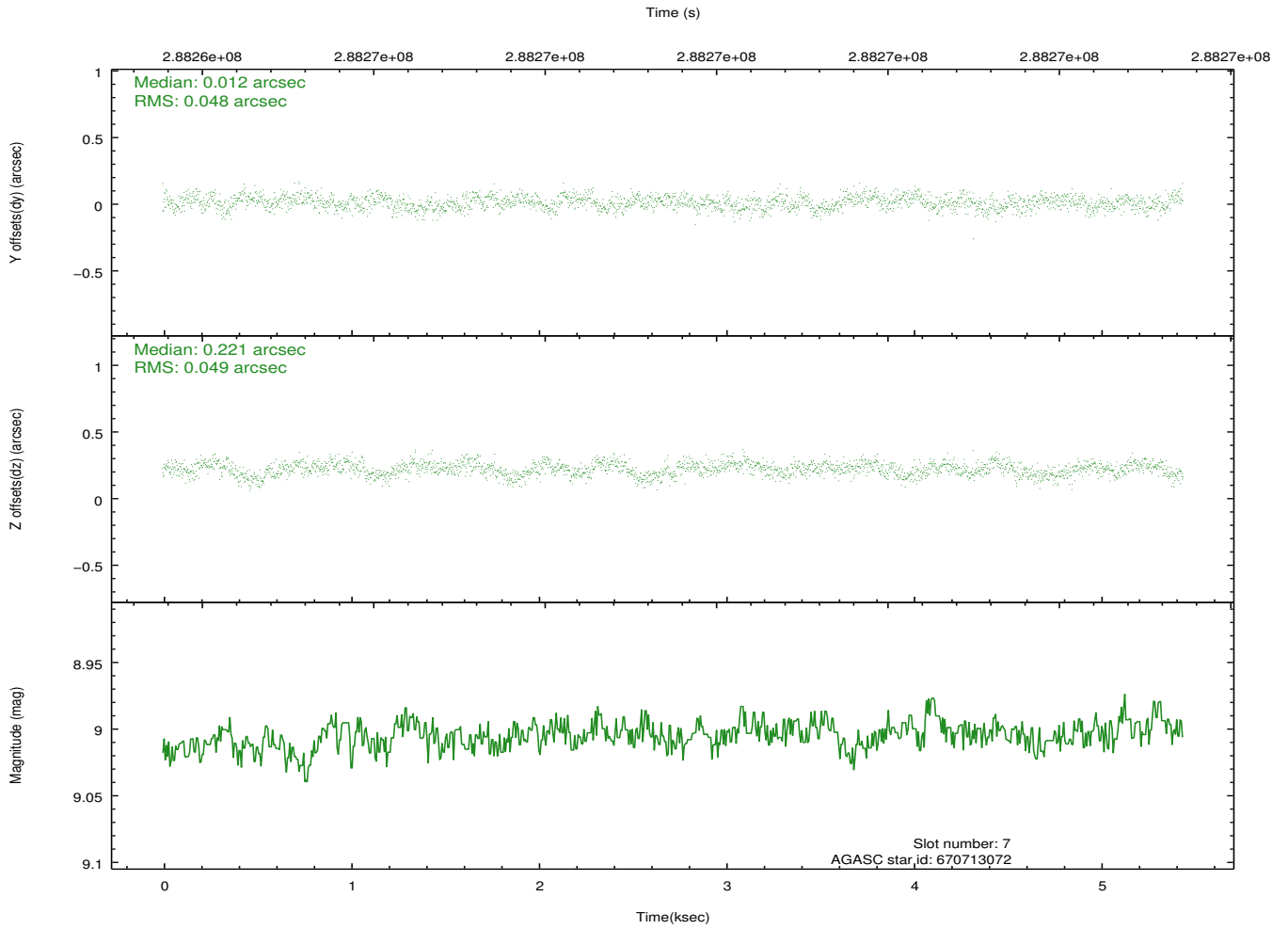
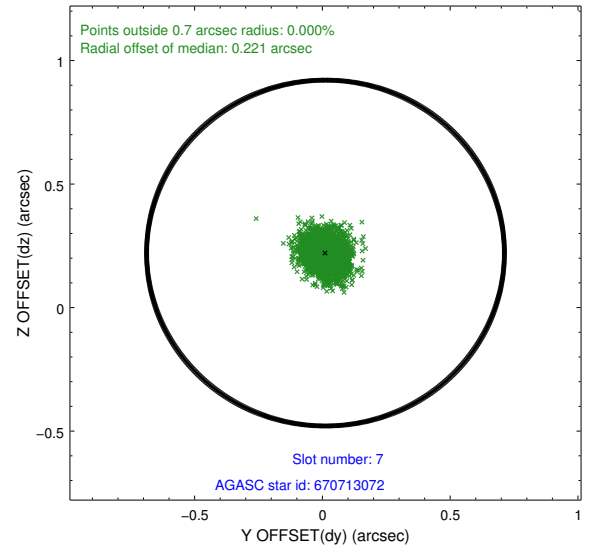
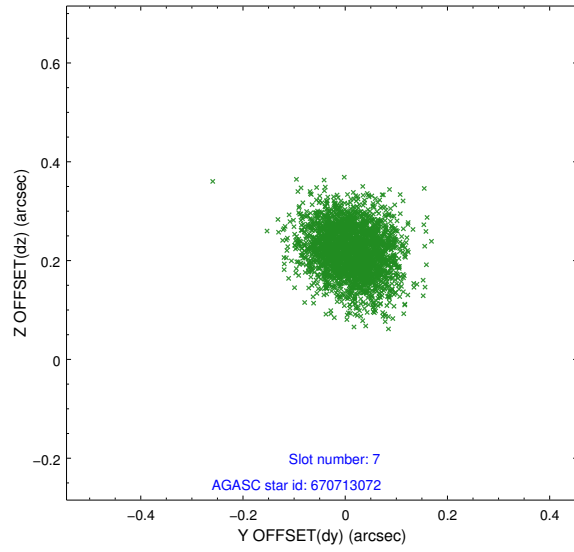
2.4.3 Slot 5



2.4.4 Slot 6

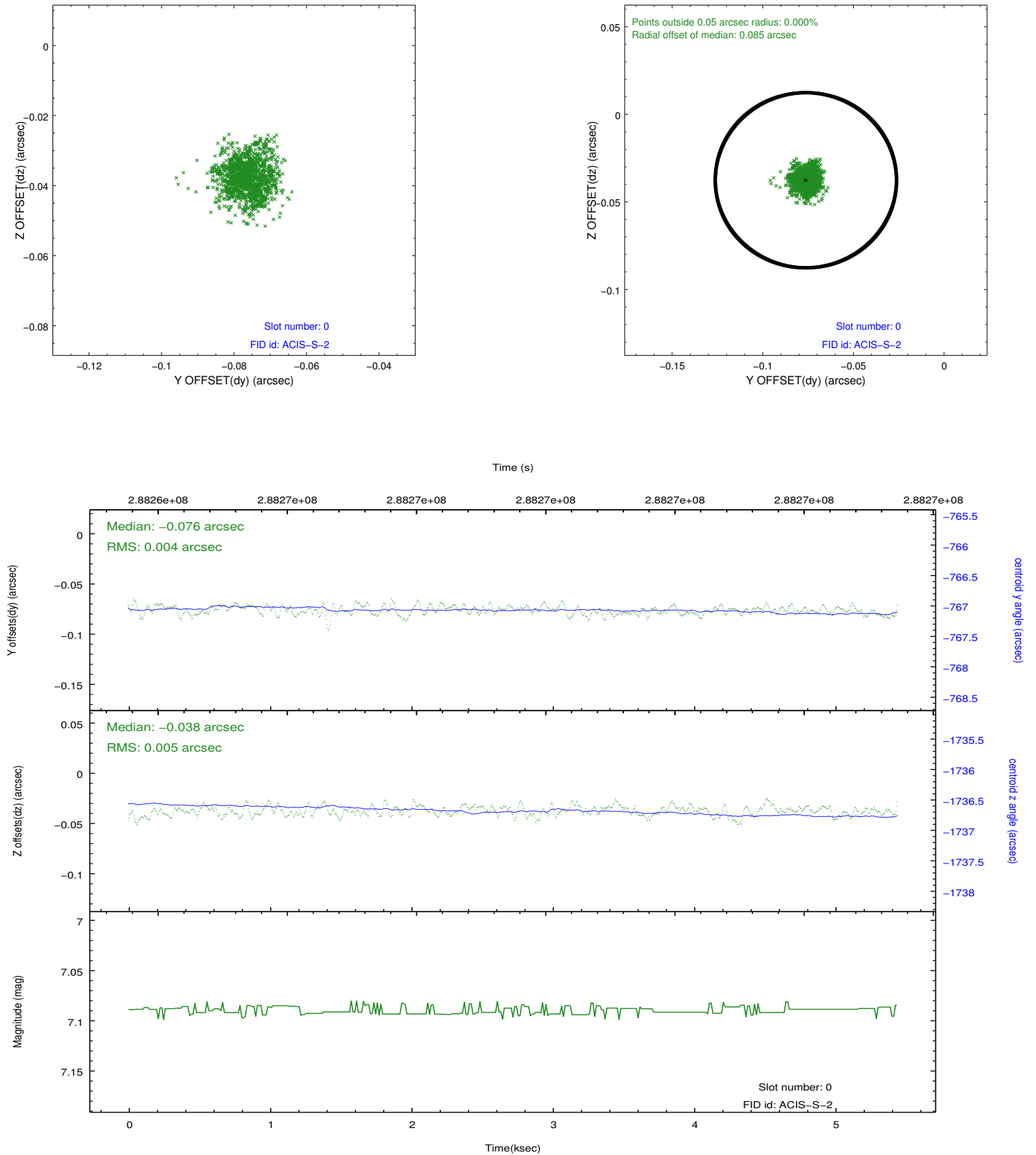


2.4.5 Slot 7

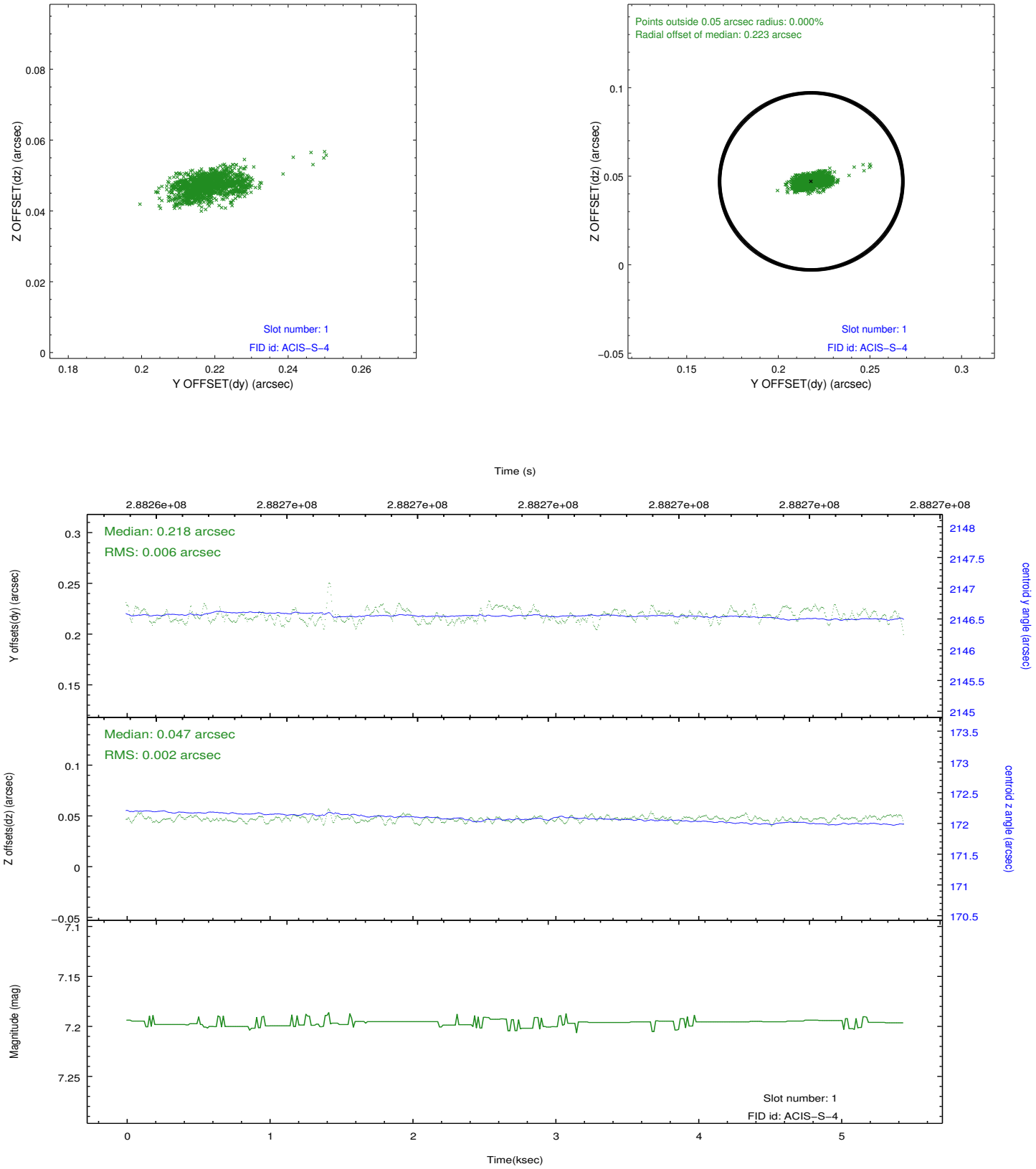


2.5 FID Slots

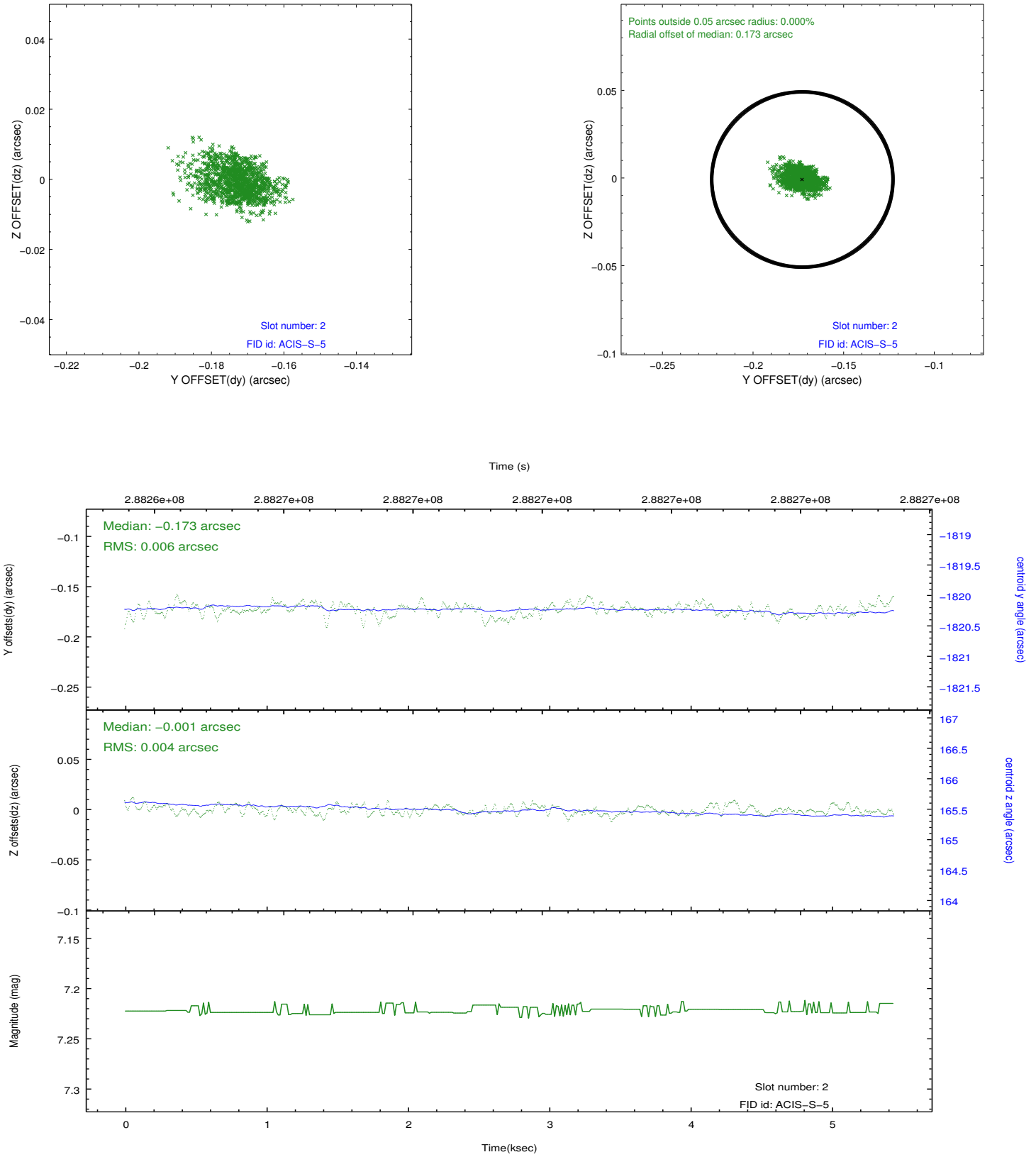
2.5.1 Slot 0



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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.74239998

A.2 Comments