

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12768 - L2 Version 2
Chandra X-Ray Center

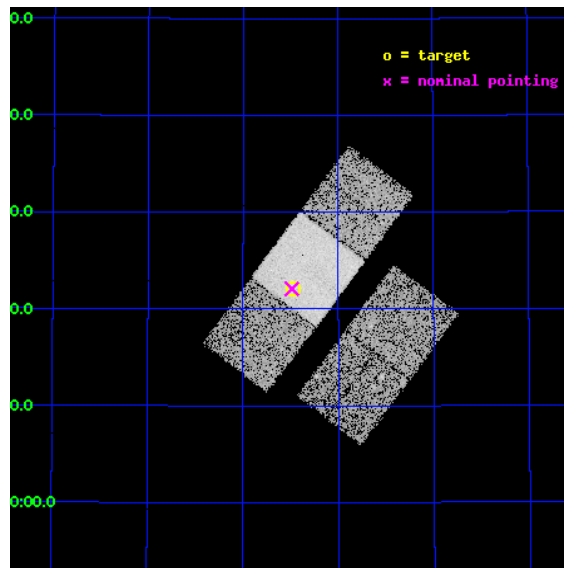
L2 Processing Date : Feb 20 2012

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1 Front

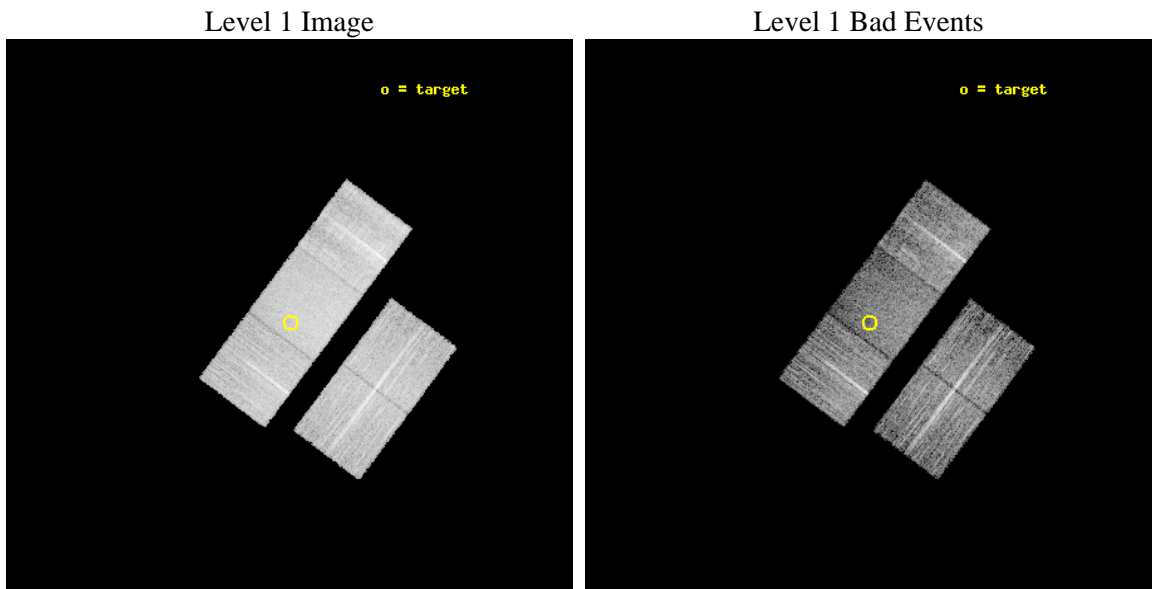
seq_num	702404	Sequence number
obs_id	12768	Observation id
title	X-ray Properties of 2MASS Selected BALQSOs	Proposal title
observer	Dr. Xinyu Dai	Principal investigator
object	SDSSJ131028.13+482204.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.617083	Observer's specified target RA [deg]
dec_targ	48.368028	Observer's specified target Dec [deg]
ra_nom	197.62164674785	Nominal RA [deg]
dec_nom	48.368255314995	Nominal Dec [deg]
roll_nom	306.82656895993	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10040.900077224	Sum of GTIs [s]
livetime	9909.7083257118	Livetime [s]
ontime2	10040.900077224	Sum of GTIs [s]
ontime3	10040.900077224	Sum of GTIs [s]
ontime6	10040.900077224	Sum of GTIs [s]
ontime7	10040.900077224	Sum of GTIs [s]
ontime8	10034.618146539	Sum of GTIs [s]
l2events	60531	Number of level 2 events



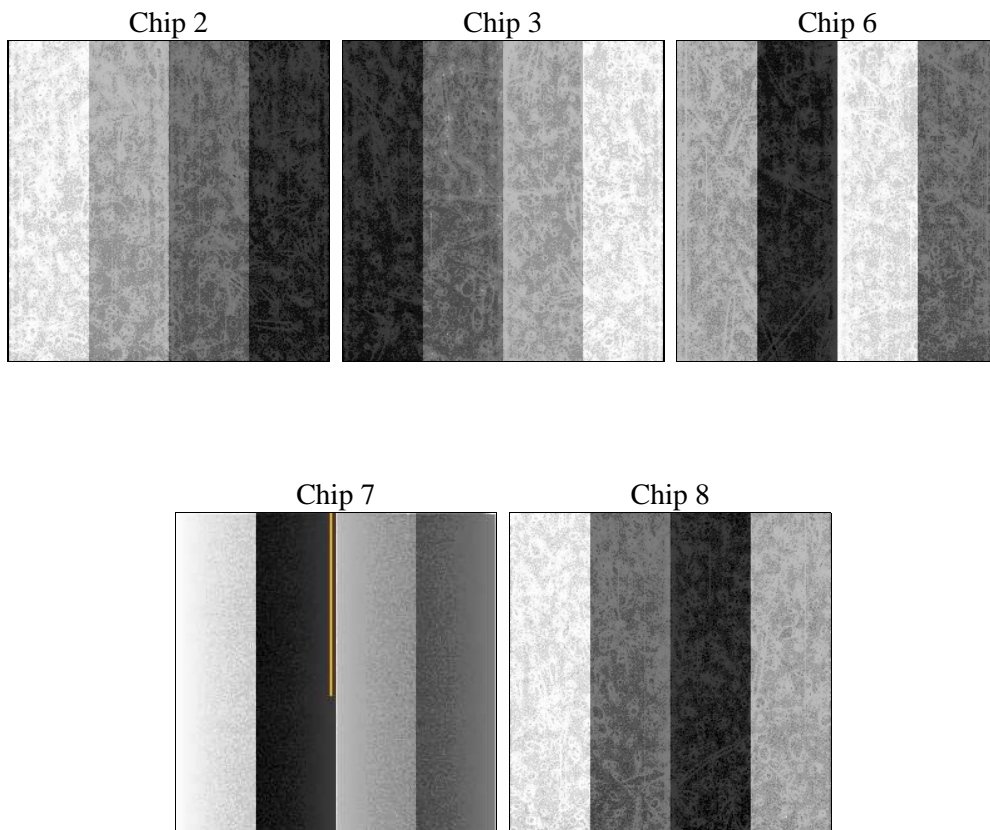
2 OBI

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	8.4.3	Processing system revision	ontime	10040.900077224	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	10040.900077224	Sum of GTIs [s]
date	2012-02-20T23:54:31	Date and time of file creation	ontime3	10040.900077224	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10040.900077224	Sum of GTIs [s]
			ontime7	10040.900077224	Sum of GTIs [s]
			ontime8	10034.618146539	Sum of GTIs [s]
			l1events	351615	Number of level 1 events

2.1.4 Events

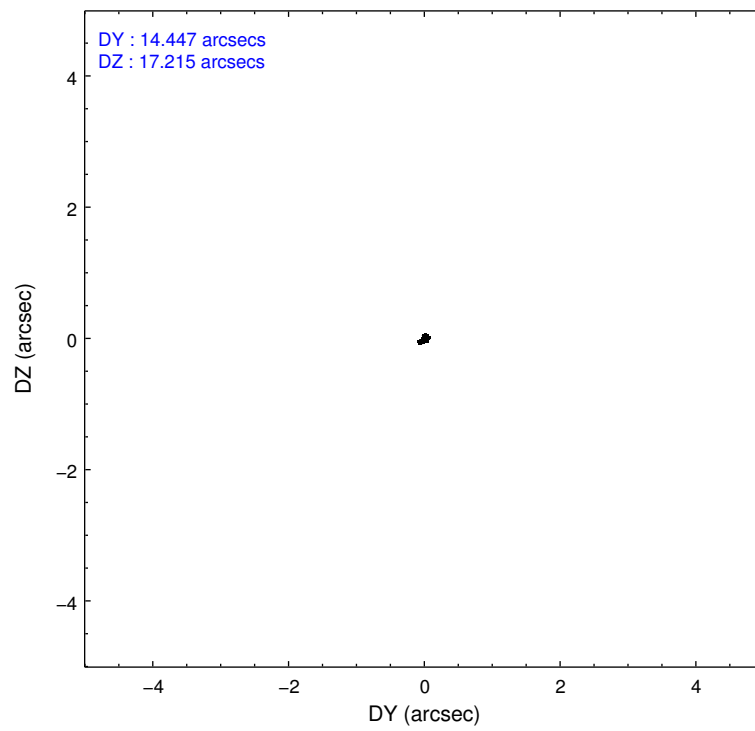
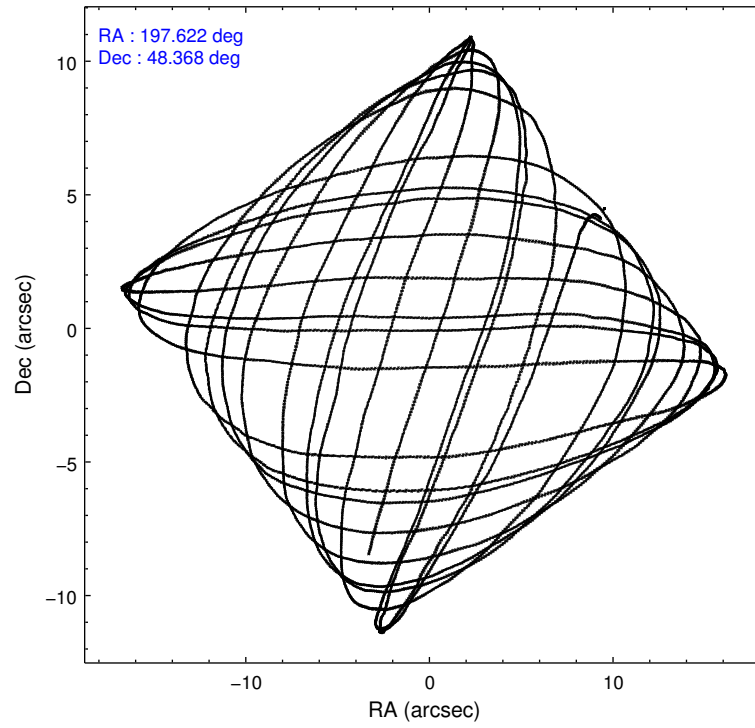
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	62407	60934	65731	79809	82734
rejected events	55620	54187	58360	43962	61005
rejected %	89%	88%	88%	55%	73%

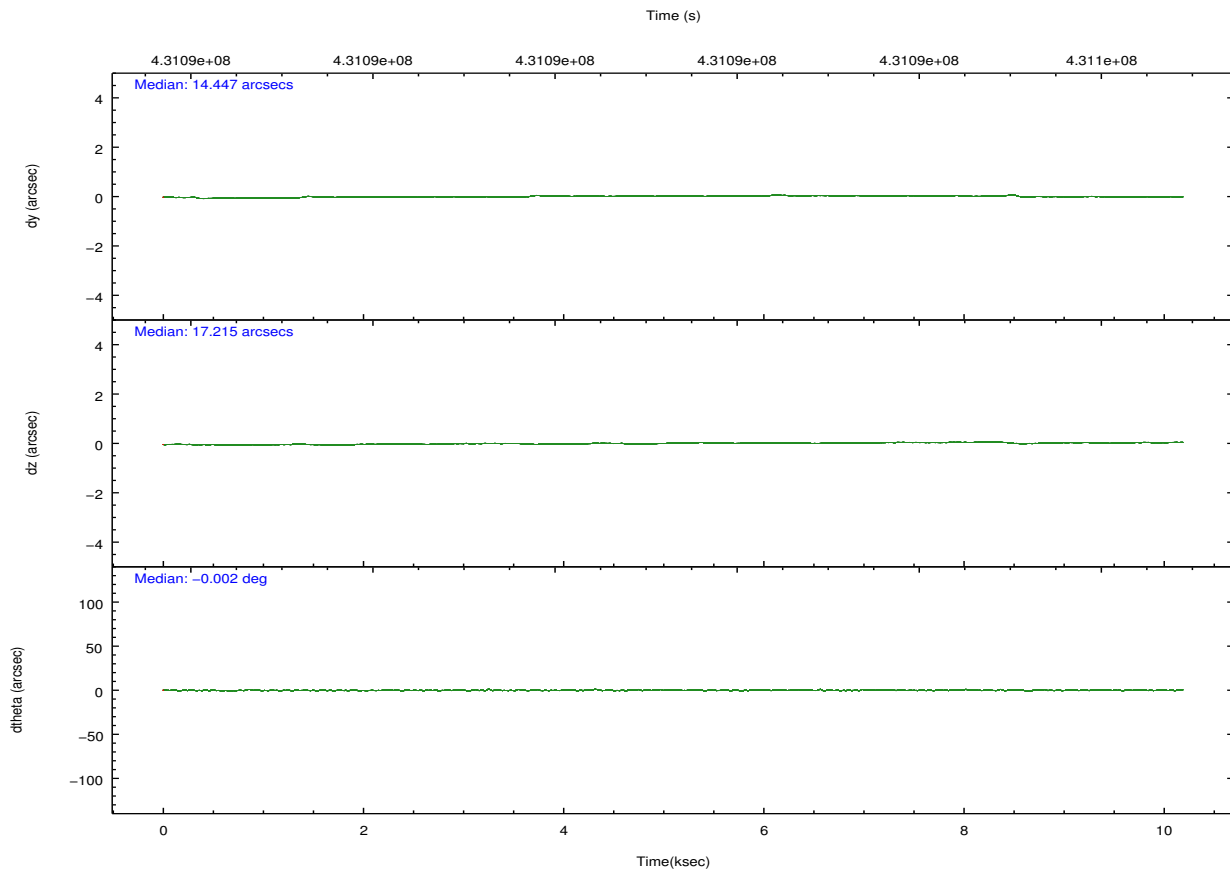
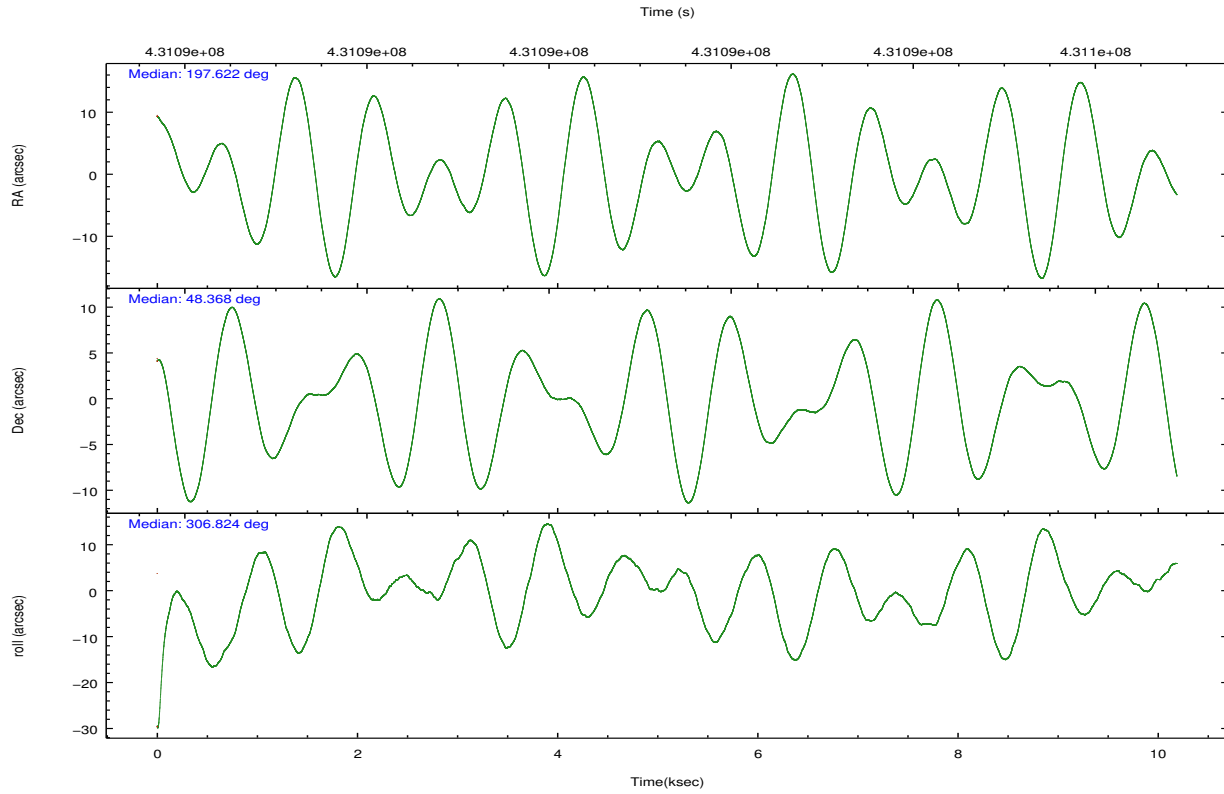
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2451	2377	2548	3277	6370
	3%	3%	3%	4%	7%
grade 1 events	36	41	26	104	59
	0%	0%	0%	0%	0%
grade 2 events	1706	1536	1705	7393	5051
	2%	2%	2%	9%	6%
grade 3 events	710	714	764	3044	2227
	1%	1%	1%	3%	2%
grade 4 events	622	737	694	3030	2087
	0%	1%	1%	3%	2%
grade 5 events	2585	2970	3099	8246	4325
	4%	4%	4%	10%	5%
grade 6 events	1303	1387	1663	19122	6002
	2%	2%	2%	23%	7%
grade 7 events	52994	51172	55232	35593	56613
	84%	83%	84%	44%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	197.583561	197.6216467478497	CCD I2 on	O4	Y
[deg] Pointing Dec	48.378664	48.3682553149952	CCD I3 on	O3	Y
[deg] Pointing Roll	306.698446	306.8265689599347	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	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	O1	Y
[s] Observation start time (MET)	431086395.184000	431085129.19682	CCD S5 on	N	N
Observation start date	2011-08-30T10:12:09	2011-08-30T09:52:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	431096395.184000	431097412.28497	On-chip summing requested	N	N
Observation end date	2011-08-30T12:58:49	2011-08-30T13:16:52	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



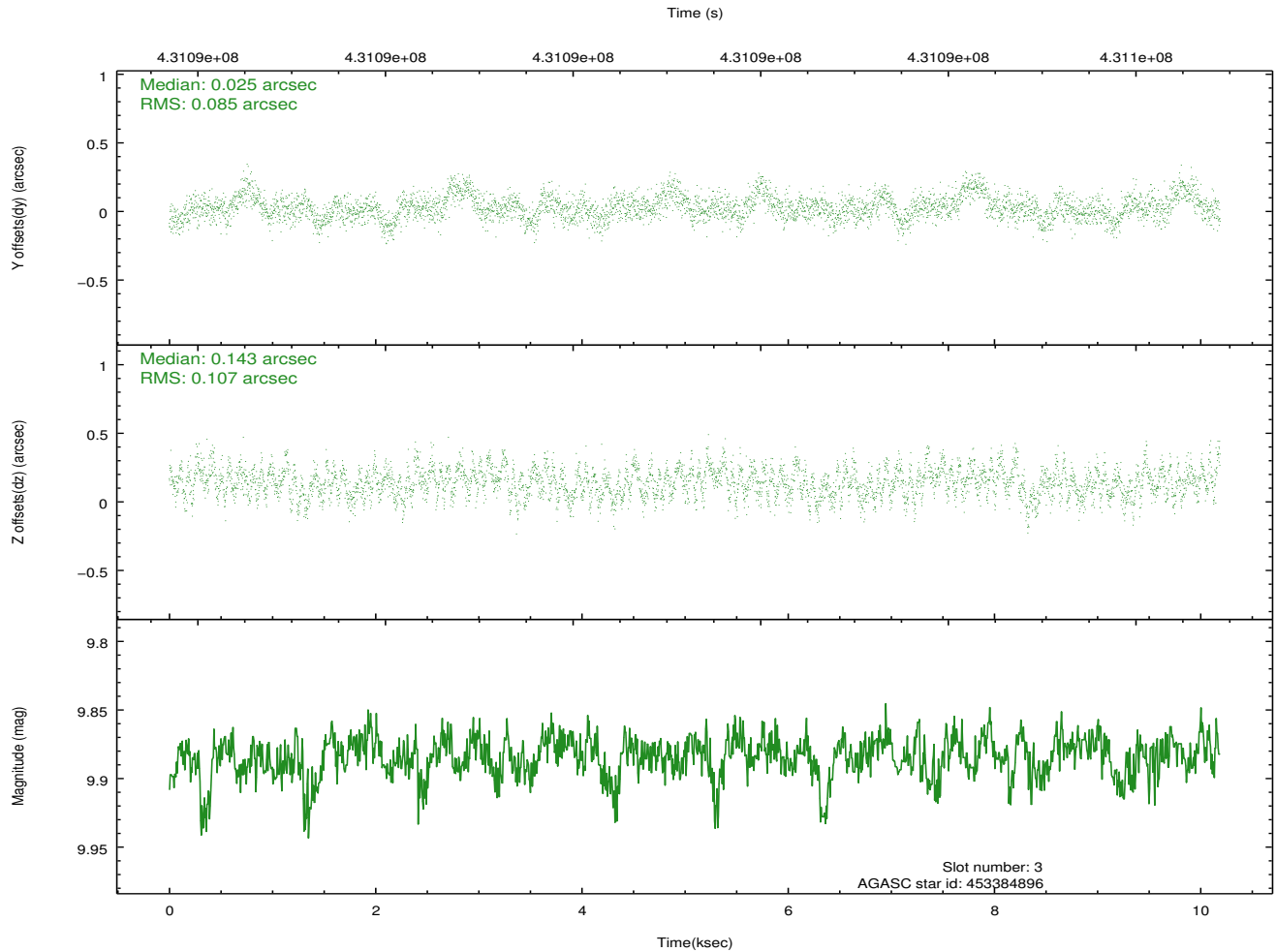
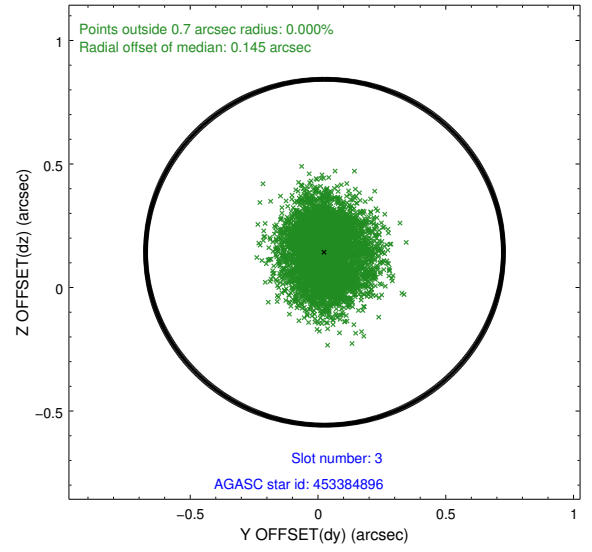
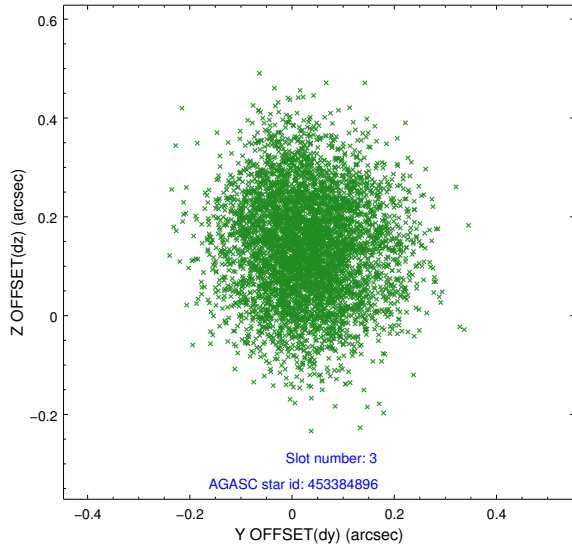


Slot Statistics

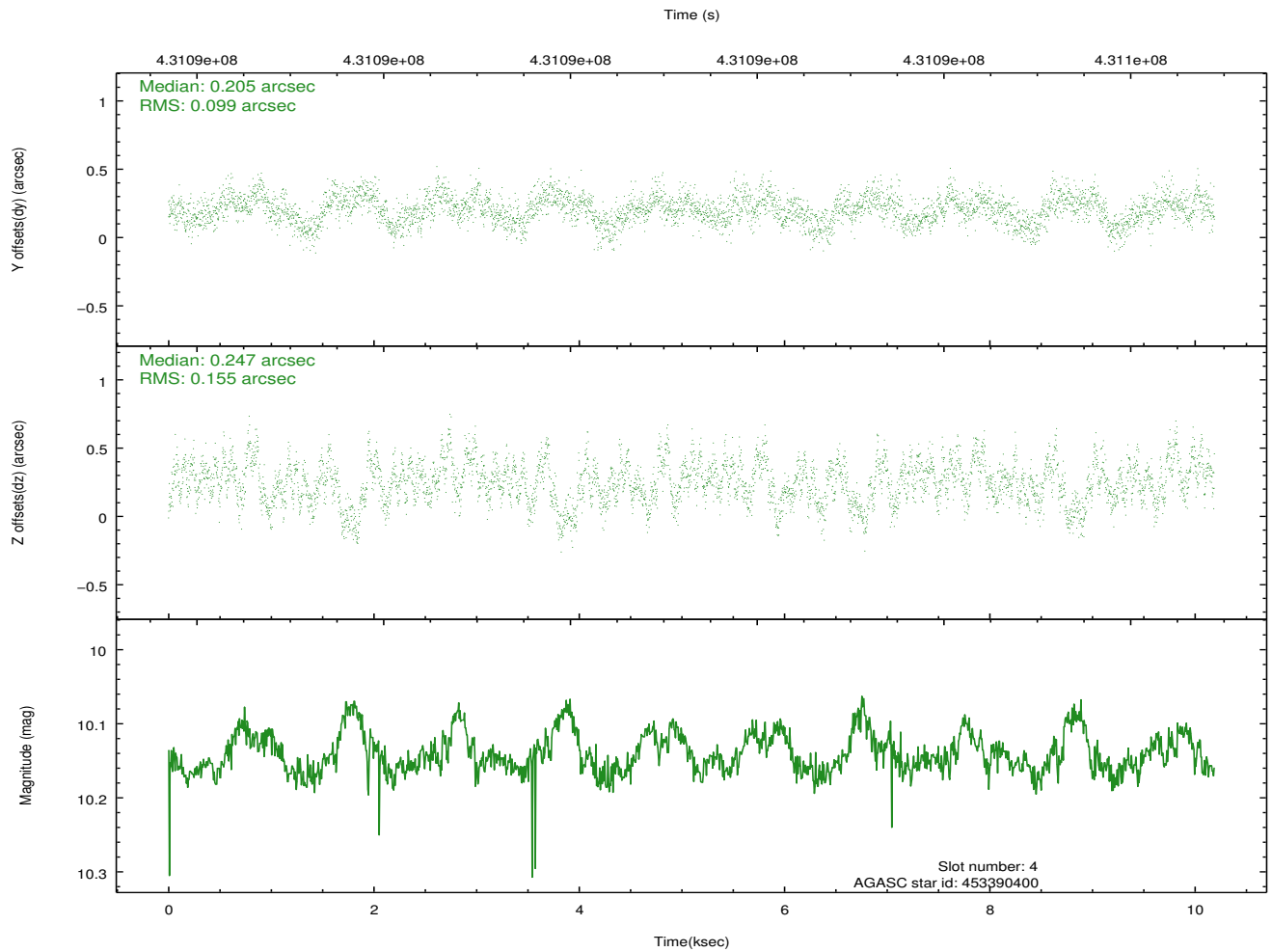
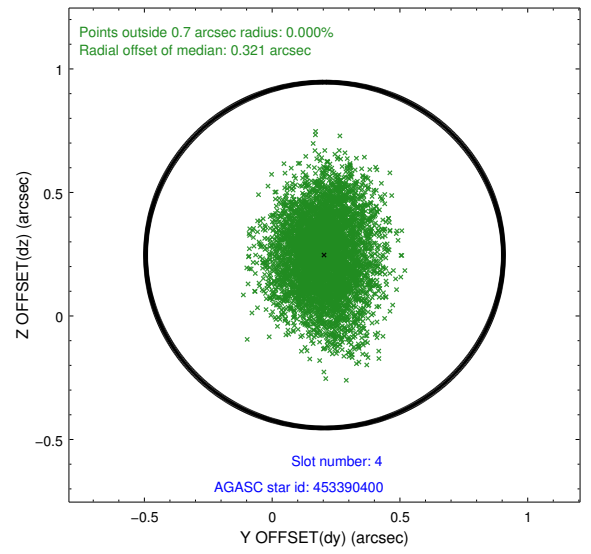
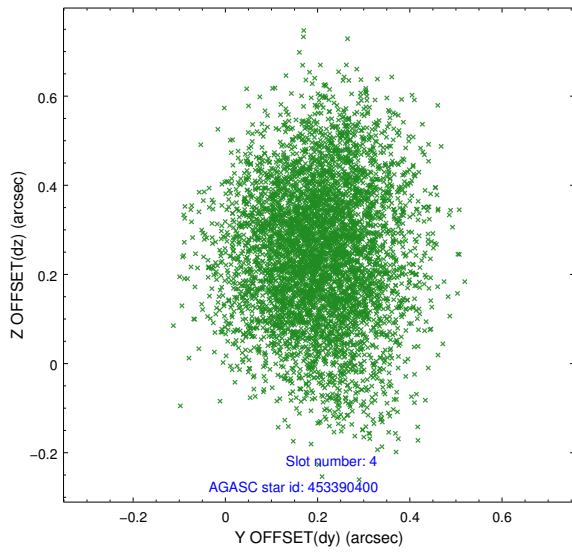
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2486	-0.070	-0.042	0.006	0.010	0.000000	0.000000	-767.53	-1738.67
1	FID	ACIS-S-4	6.97	2486	0.242	0.045	0.005	0.010	0.000000	0.000000	2145.89	169.27
2	FID	ACIS-S-5	7.00	2486	-0.204	0.006	0.006	0.011	0.000000	0.000000	-1819.78	163.62
3	GUIDE	453384896	9.88	4970	0.025	0.143	0.149	0.233	196.849452	48.386105	-1076.58	-1385.97
4	GUIDE	453390400	10.14	4965	0.205	0.247	0.195	0.320	196.533373	48.419194	-1630.24	-1914.43
5	GUIDE	453517296	10.22	4898	-0.299	-0.333	0.250	0.404	198.247159	48.426281	804.08	1377.07
6	GUIDE	453518368	9.55	4966	0.063	0.123	0.169	0.287	197.060518	48.509211	-1125.03	-716.32
7	GUIDE	453520944	8.56	4970	0.010	-0.195	0.099	0.153	197.890127	48.685230	-450.67	1244.37

2.4 Star Slots

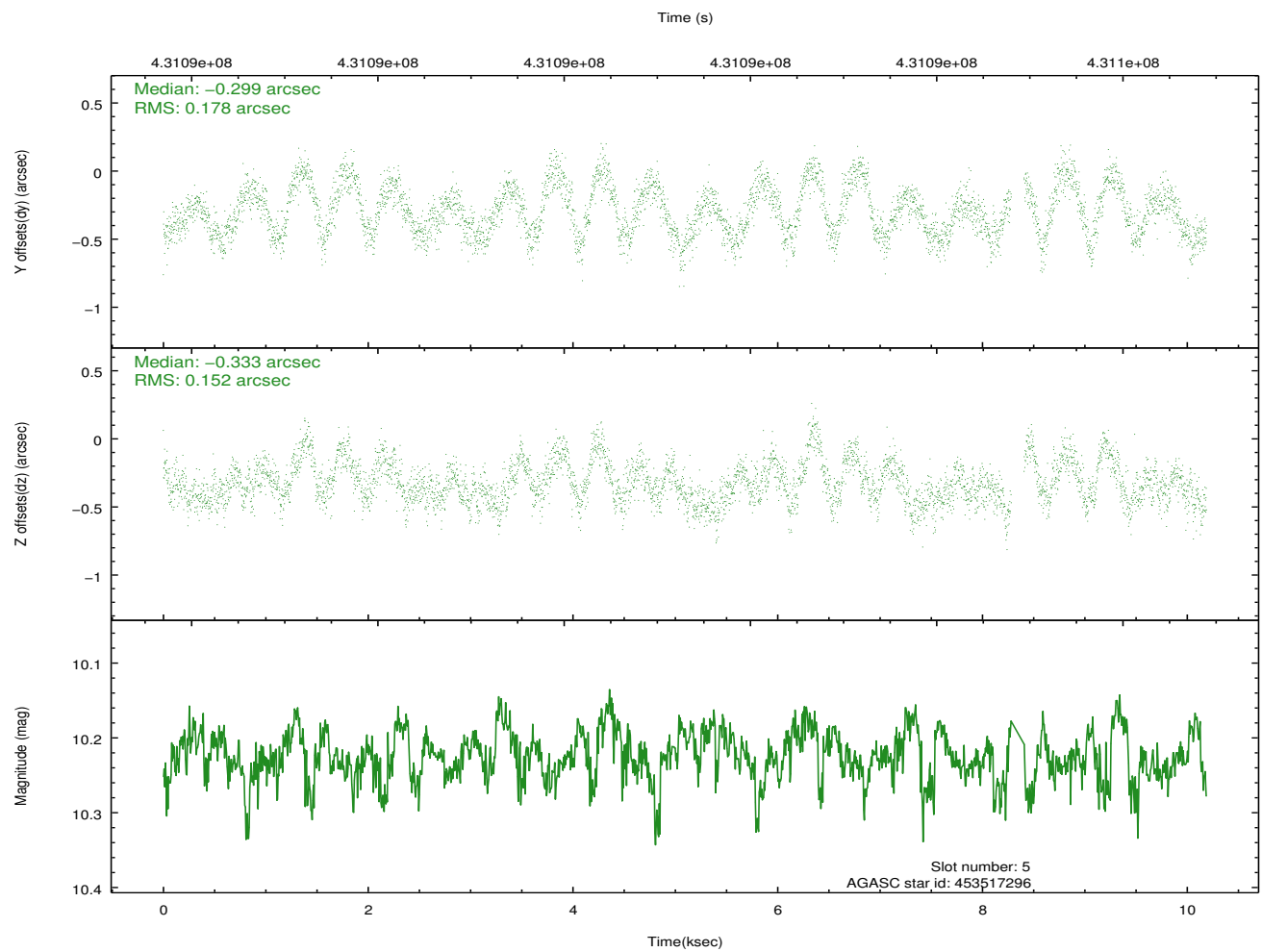
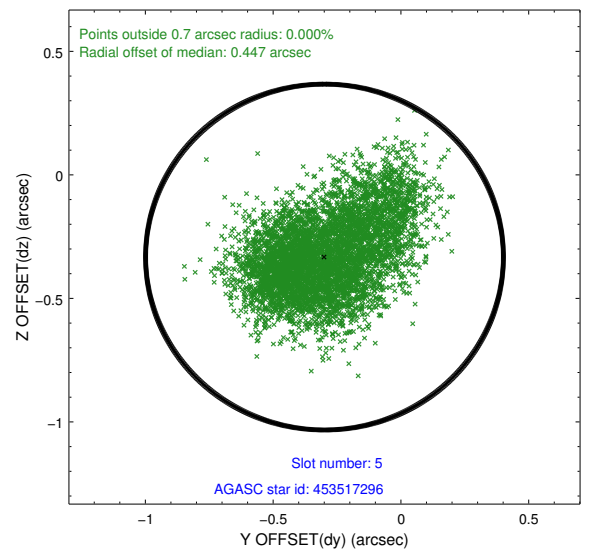
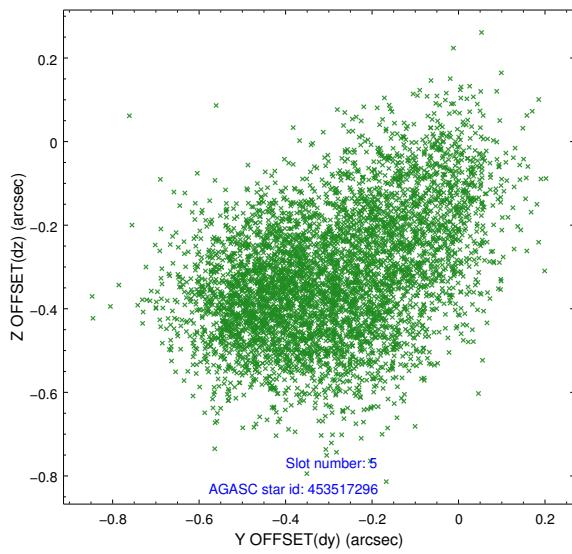
2.4.1 Slot 3



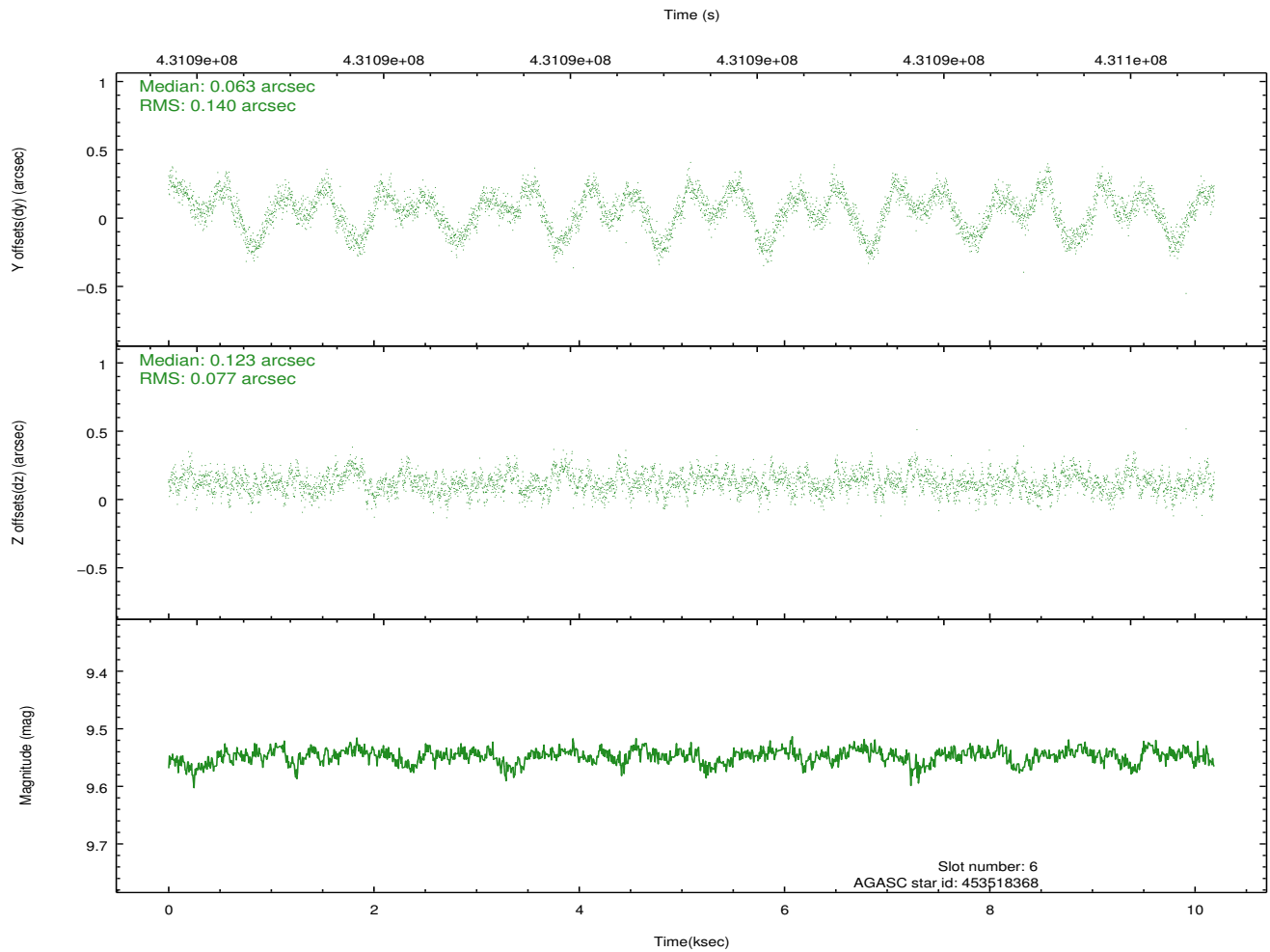
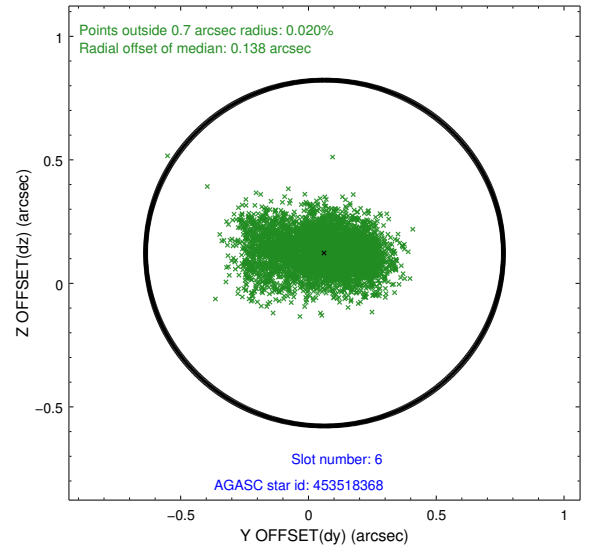
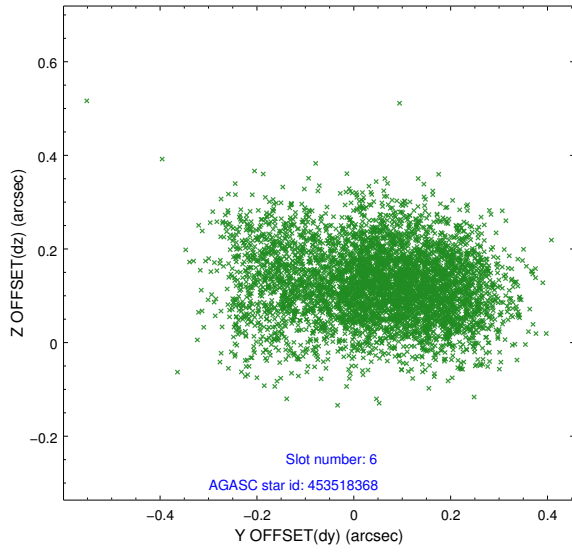
2.4.2 Slot 4



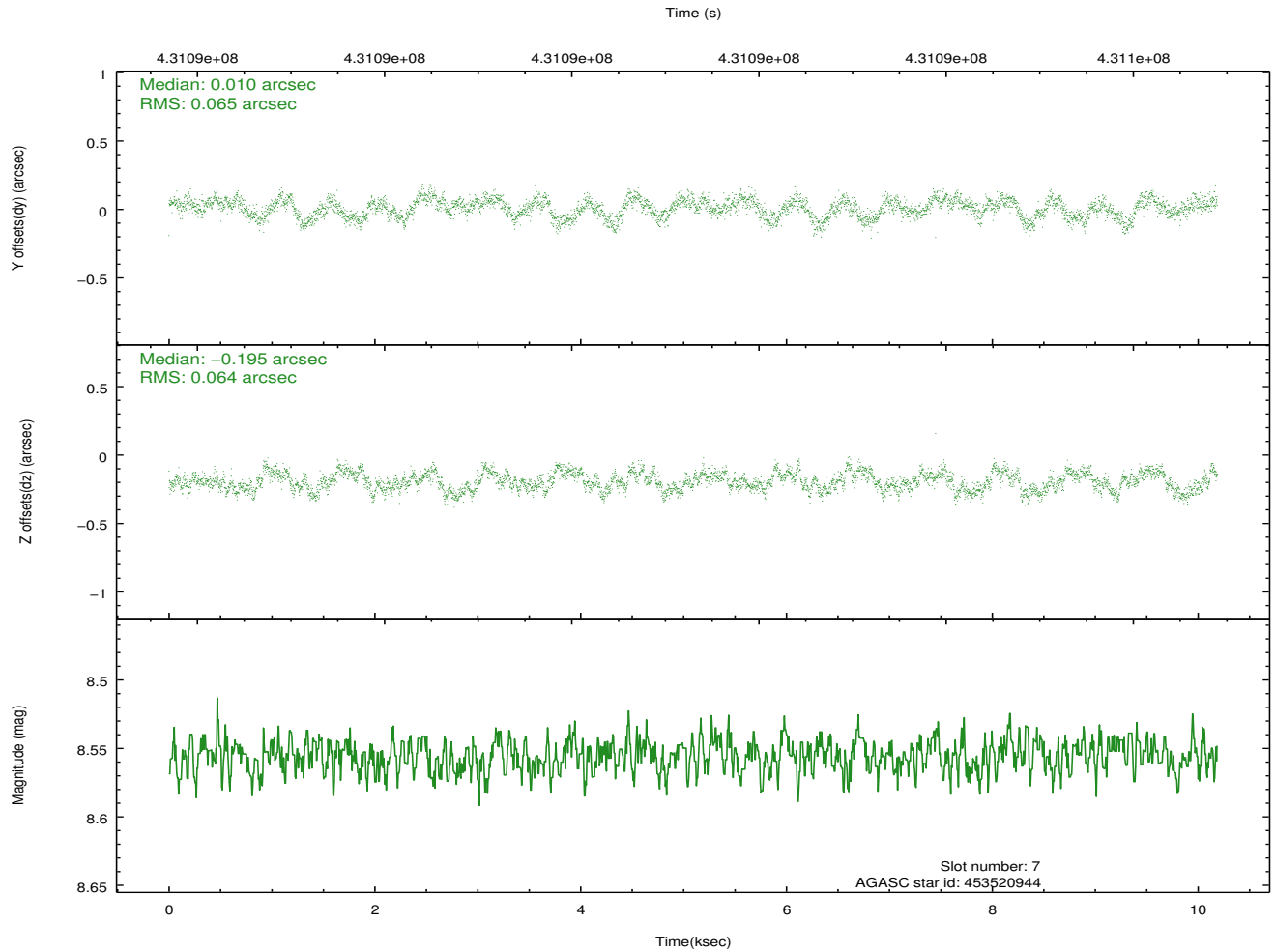
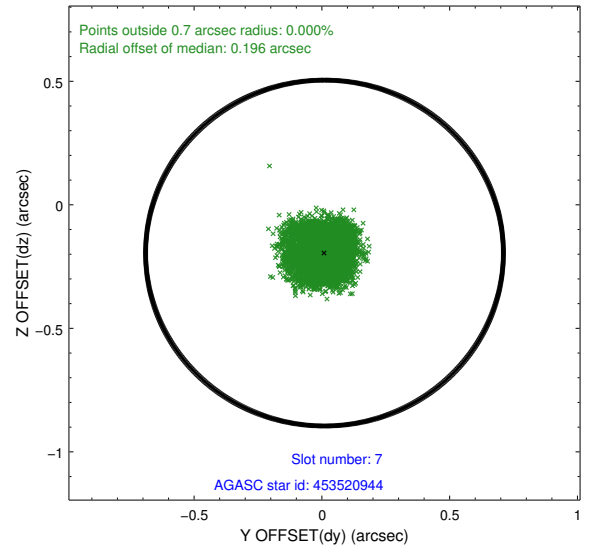
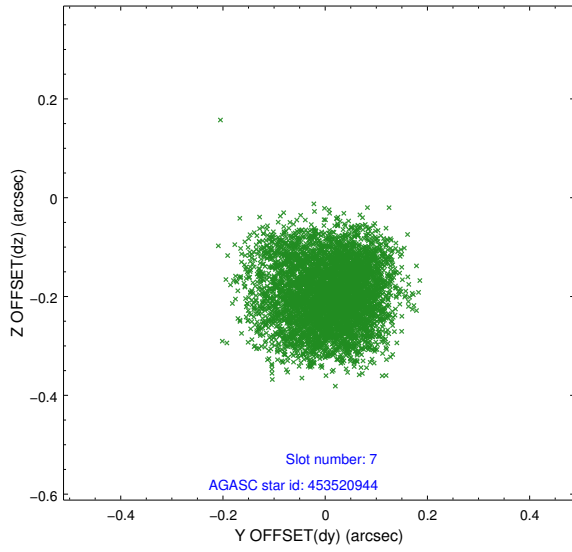
2.4.3 Slot 5



2.4.4 Slot 6

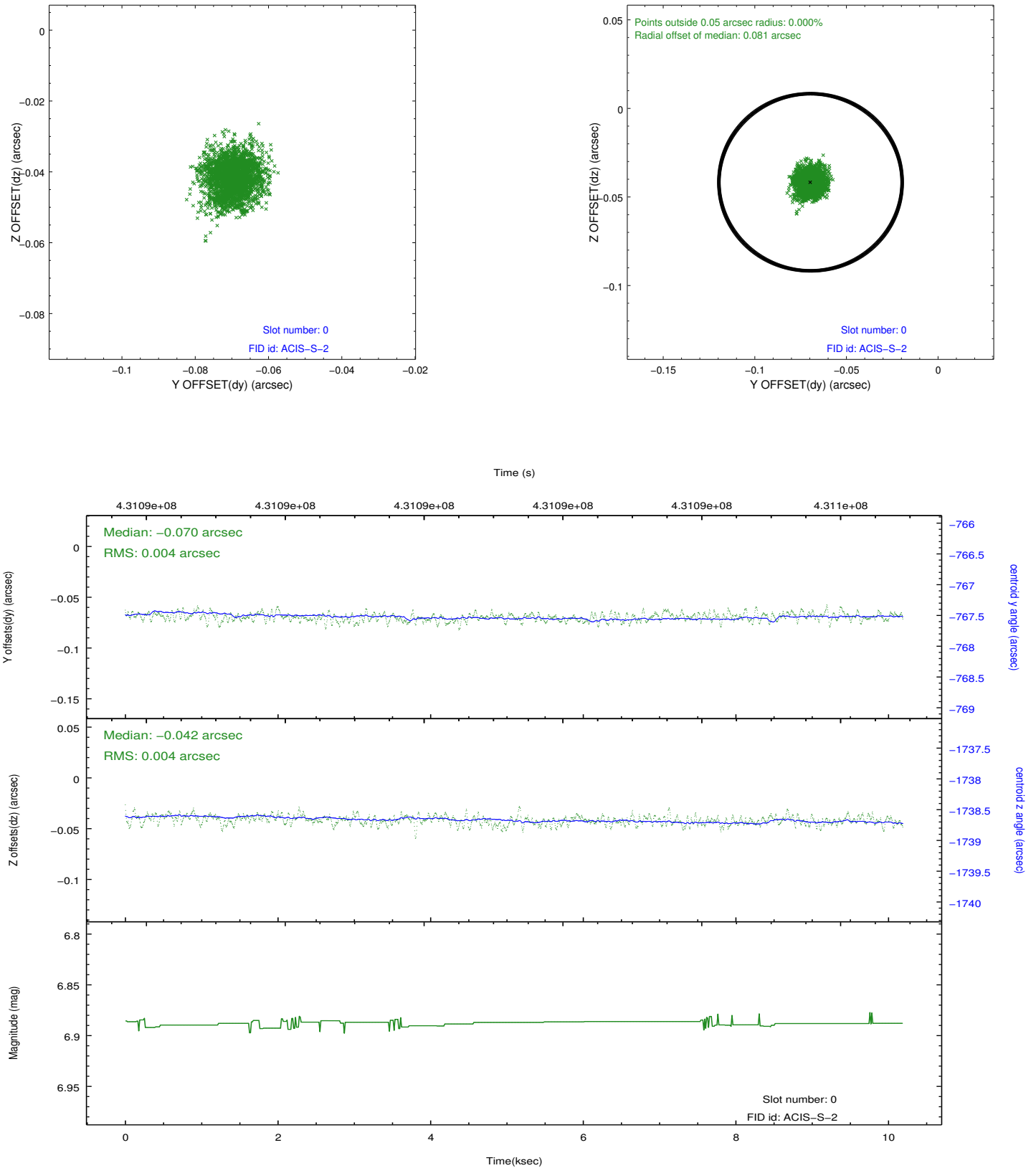


2.4.5 Slot 7

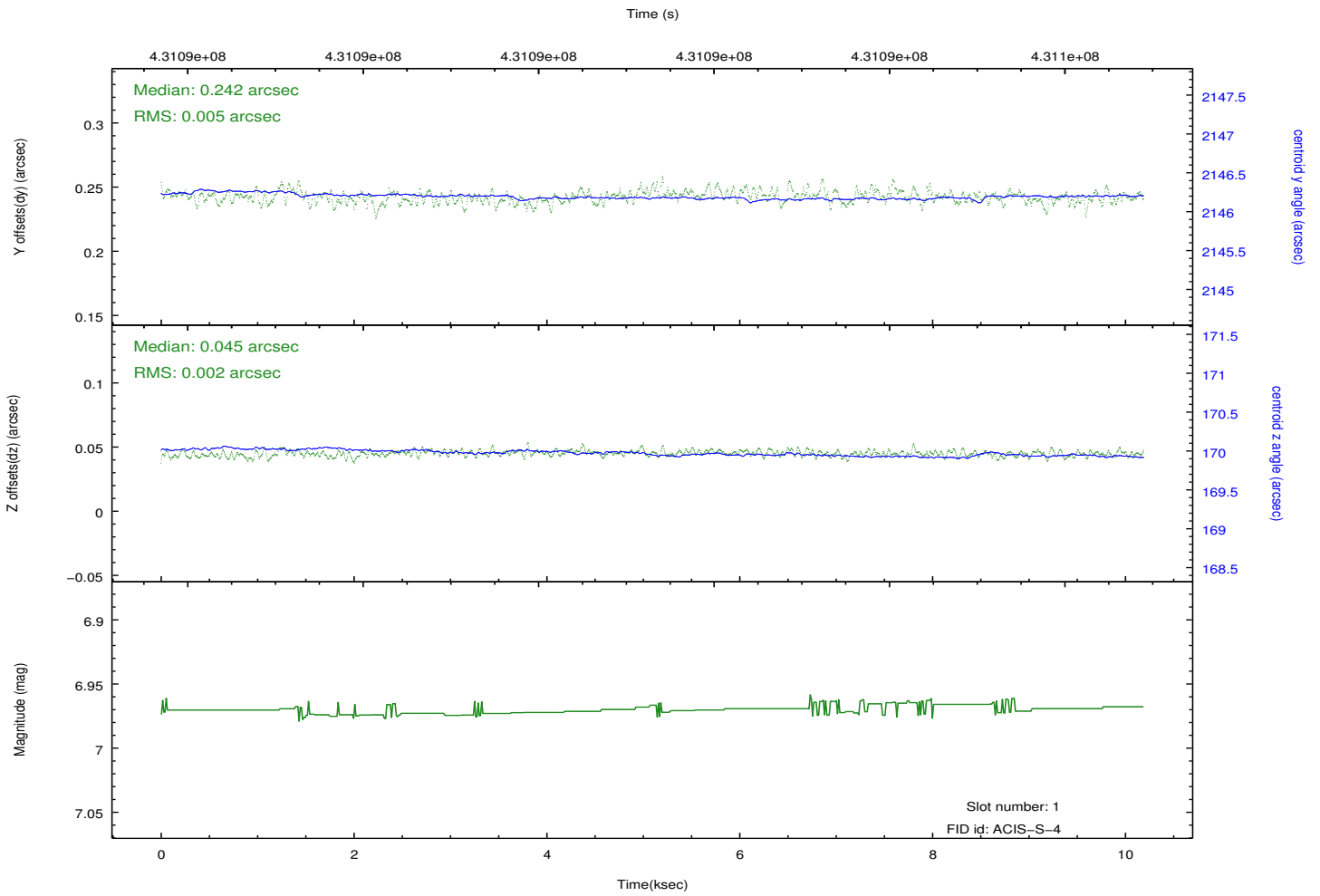
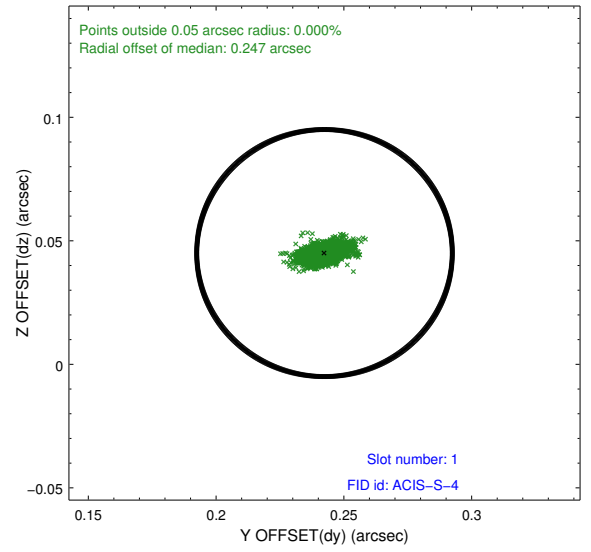
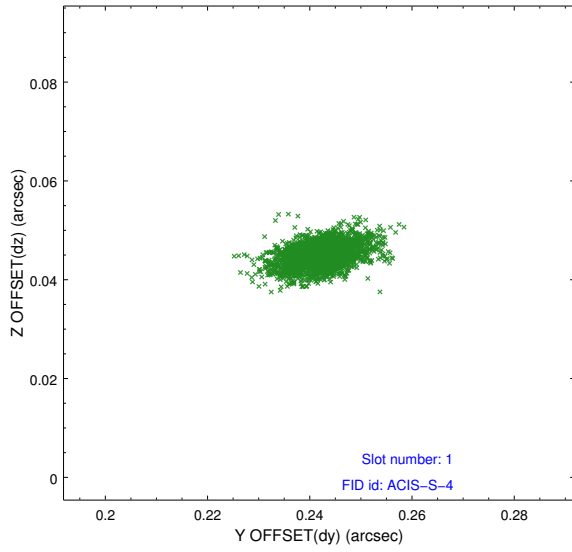


2.5 FID Slots

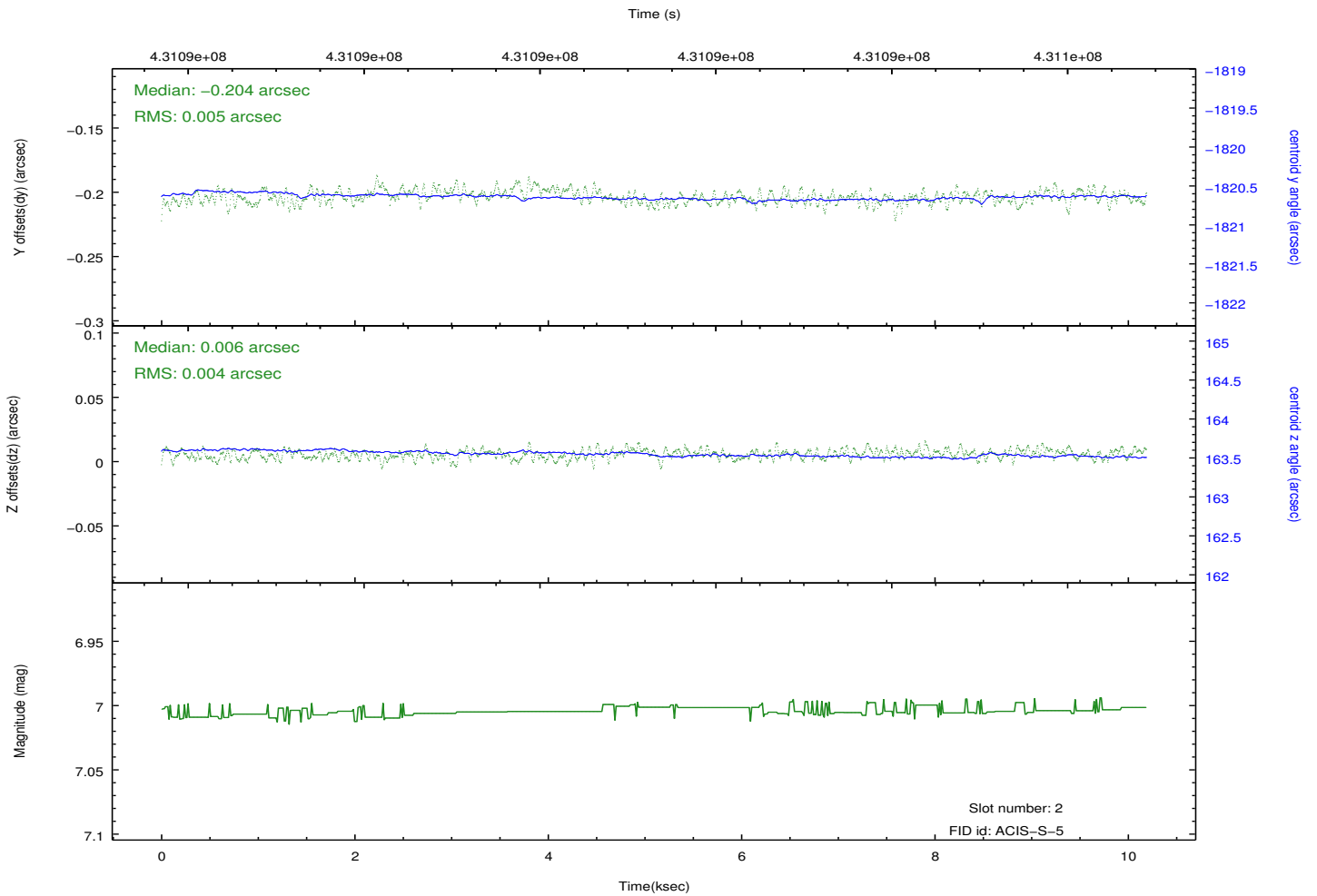
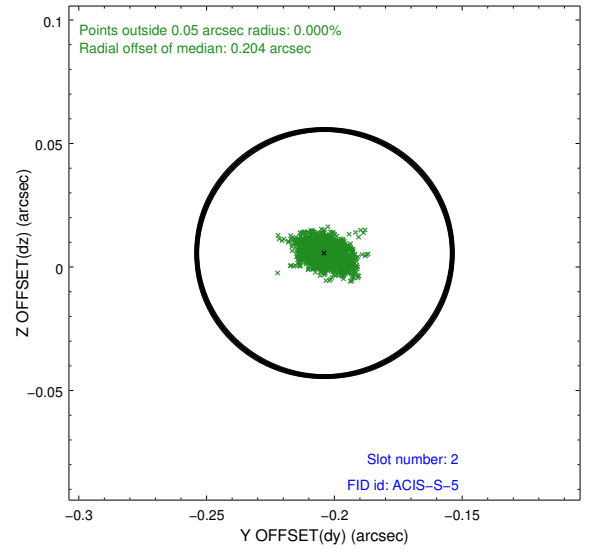
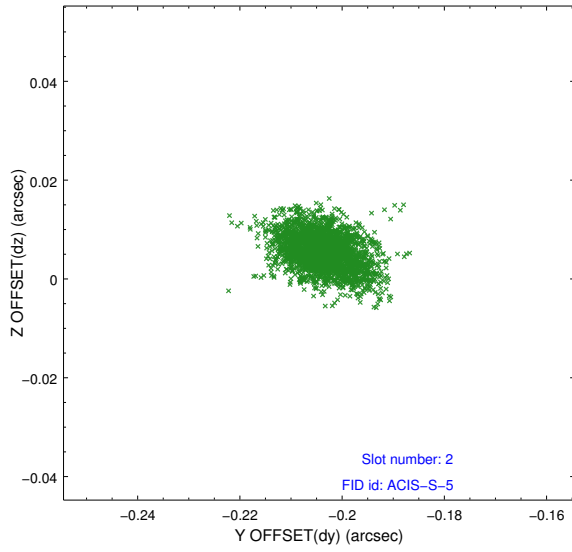
2.5.1 Slot 0



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)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.040900077224

A.2 Comments