

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14268 - L2 Version 1
Chandra X-Ray Center

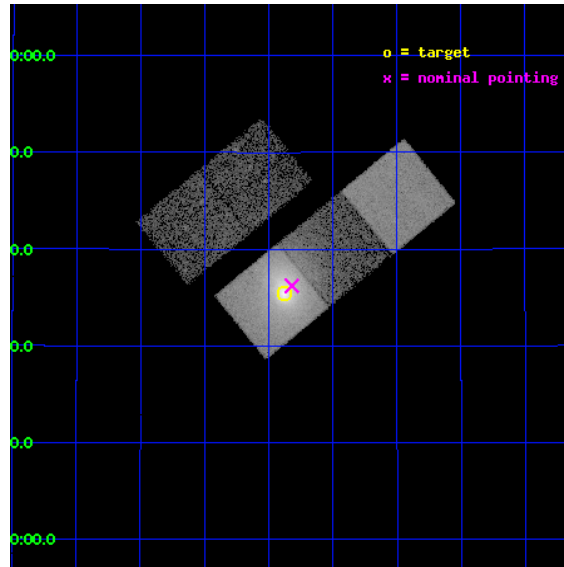
L2 Processing Date : Mar 27 2012

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1 Front

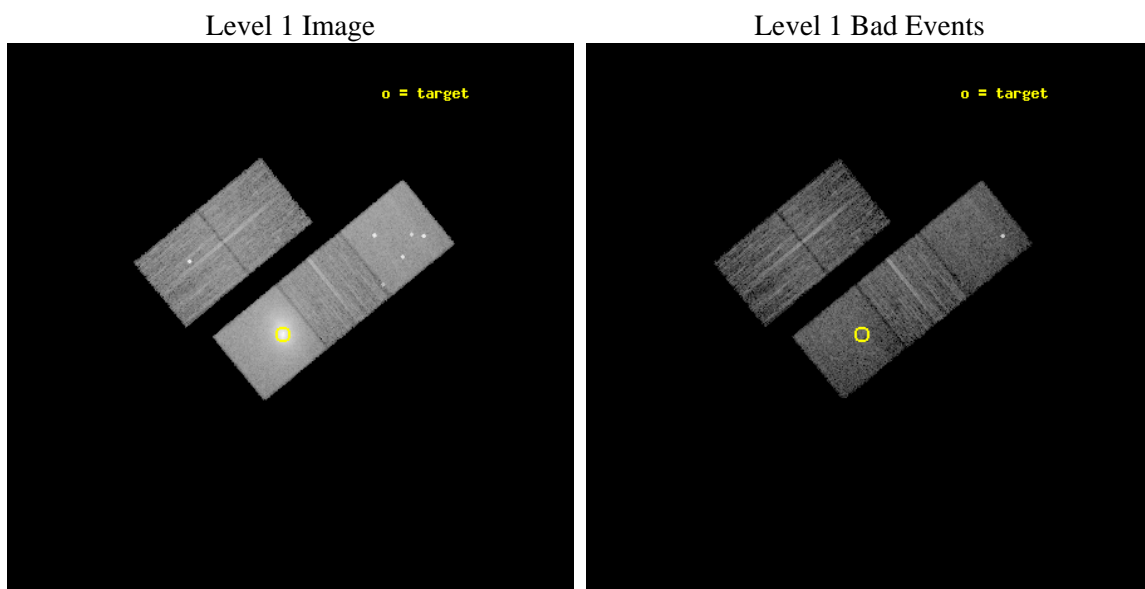
seq_num	890063	Sequence number
obs_id	14268	Observation id
title	AO-13 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.20490175584	Nominal RA [deg]
dec_nom	26.603688342314	Nominal Dec [deg]
roll_nom	140.712041486	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10059.500077367	Sum of GTIs [s]
livetime	9928.0653031598	Livetime [s]
ontime2	10059.500077367	Sum of GTIs [s]
ontime3	10056.359036982	Sum of GTIs [s]
ontime5	10059.500077367	Sum of GTIs [s]
ontime6	10056.359027028	Sum of GTIs [s]
ontime7	10059.500077367	Sum of GTIs [s]
l2events	202020	Number of level 2 events



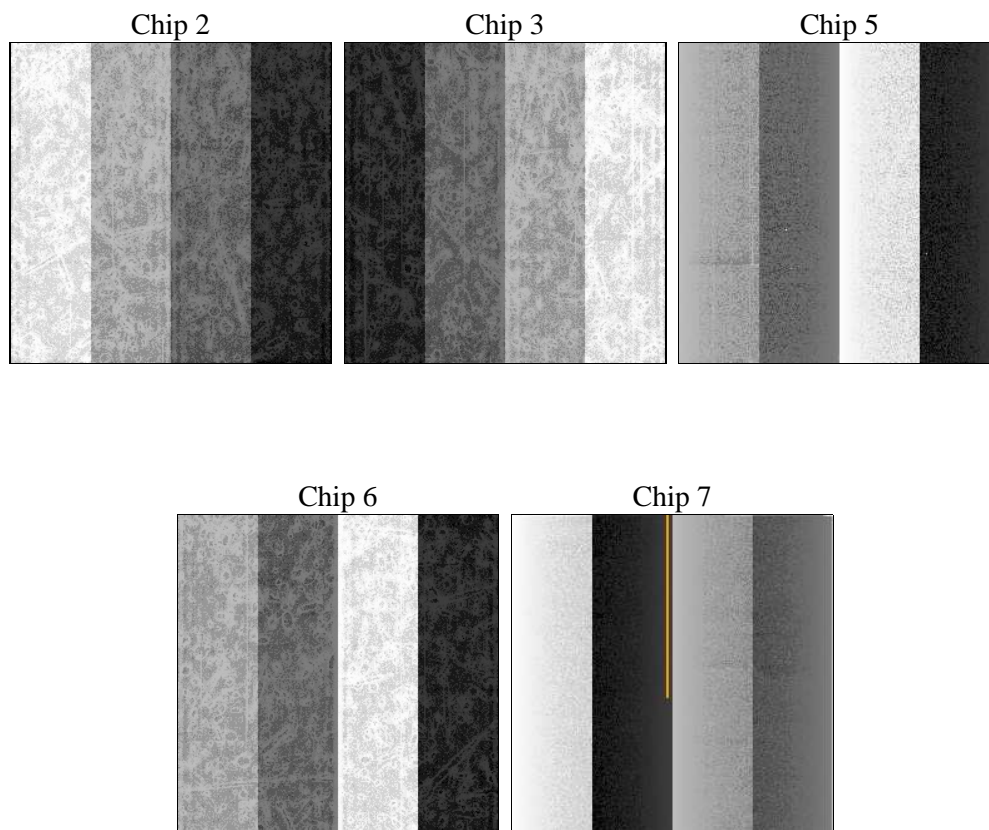
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10059.500077367	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	10059.500077367	Sum of GTIs [s]
date	2012-03-27T04:31:56	Date and time of file creation	ontime3	10056.359036982	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	10059.500077367	Sum of GTIs [s]
			ontime6	10056.359027028	Sum of GTIs [s]
			ontime7	10059.500077367	Sum of GTIs [s]
			l1events	468214	Number of level 1 events

2.1.4 Events

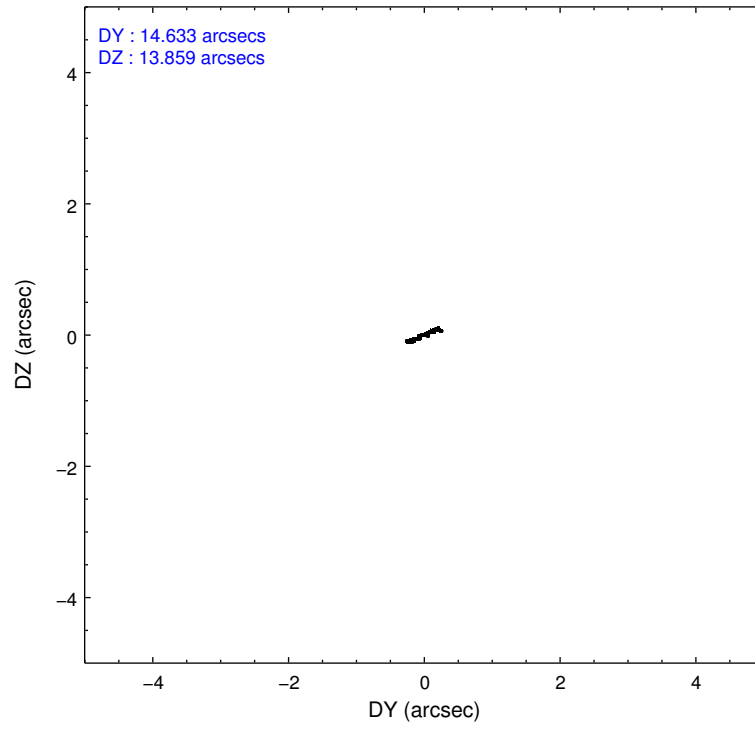
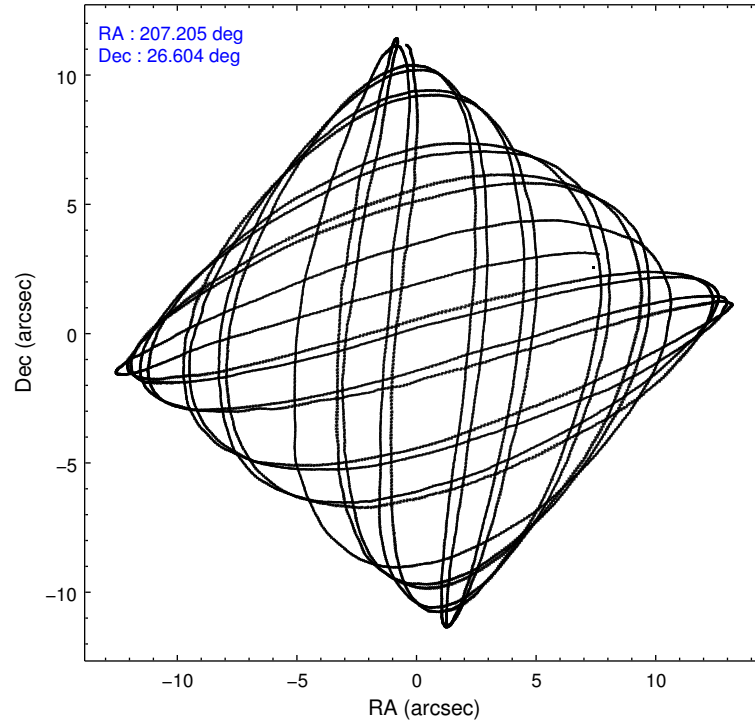
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	56809	61436	102506	67505	179958
rejected events	49748	51295	49940	54026	44242
rejected %	87%	83%	48%	80%	24%

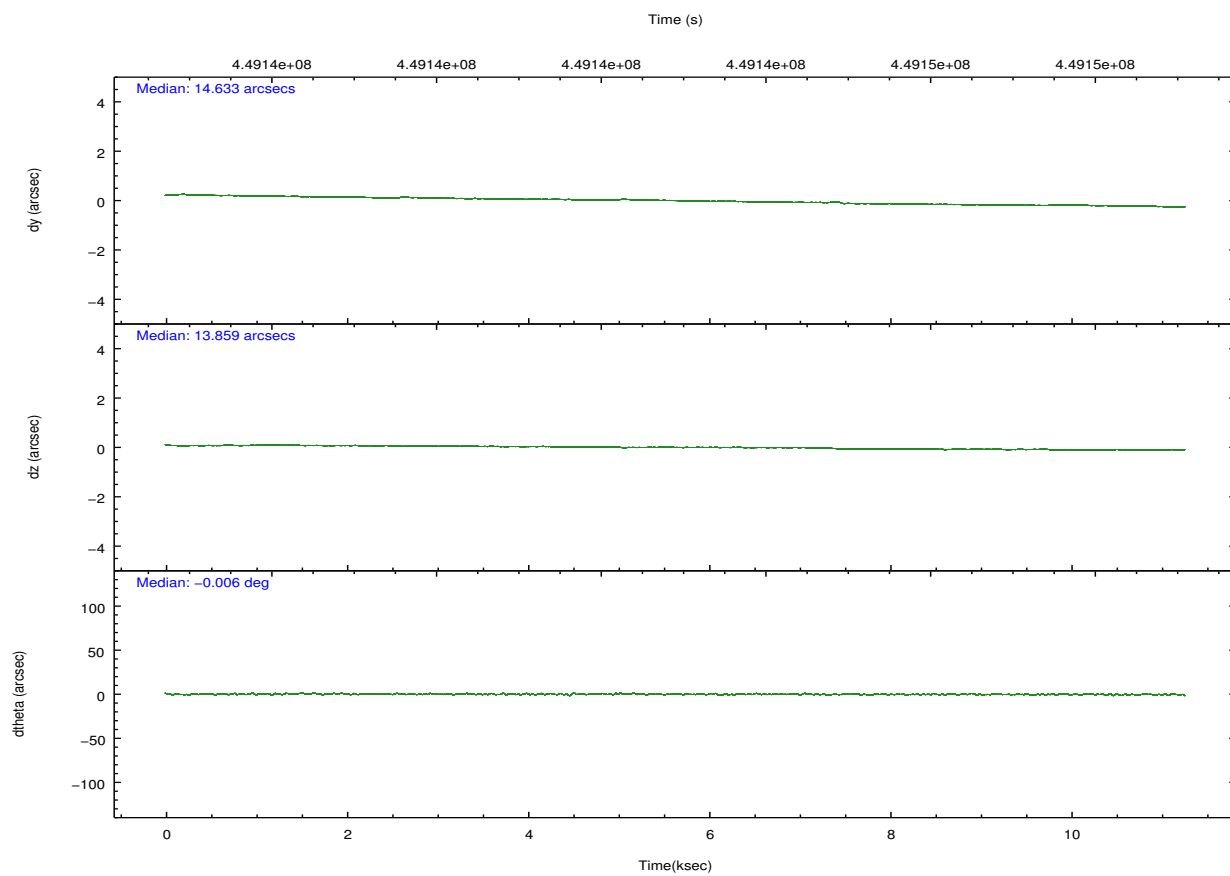
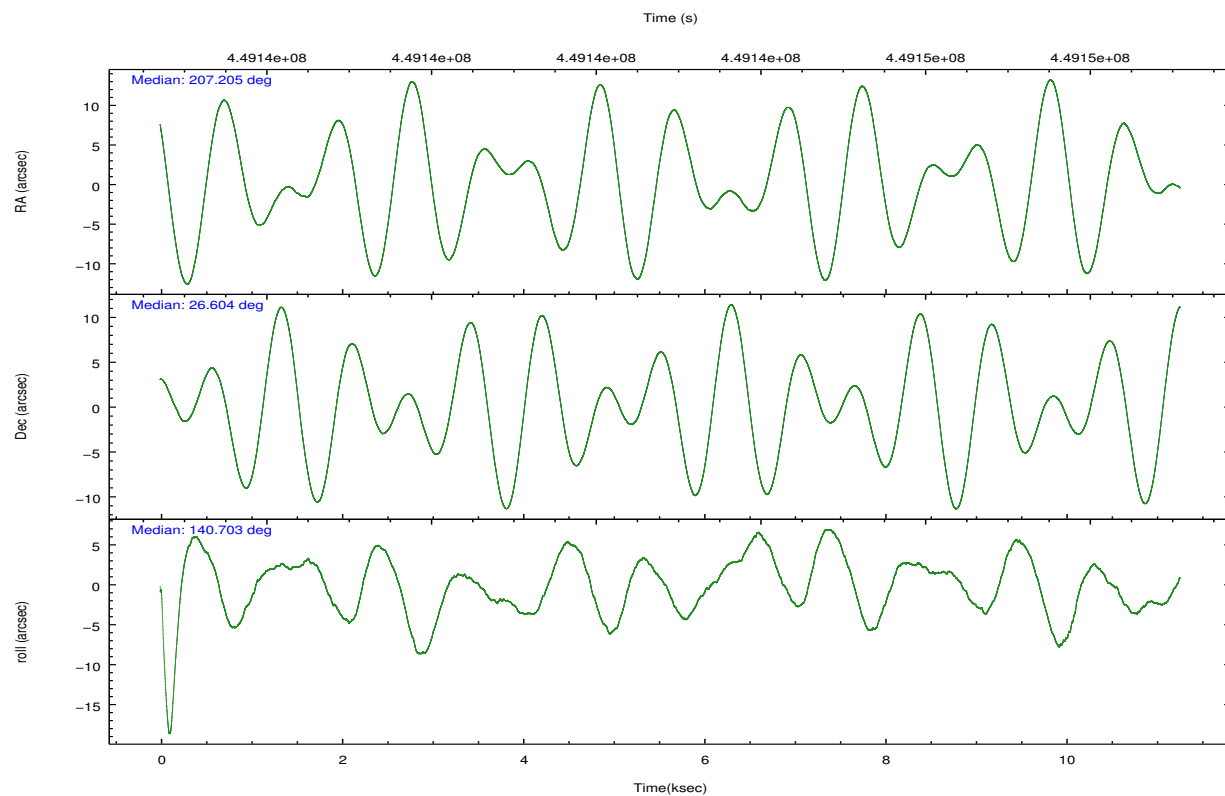
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2917	5777	9134	7651	33710
	5%	9%	8%	11%	18%
grade 1 events	34	41	187	50	121
	0%	0%	0%	0%	0%
grade 2 events	1524	1515	15710	2150	33931
	2%	2%	15%	3%	18%
grade 3 events	669	763	1580	964	14412
	1%	1%	1%	1%	8%
grade 4 events	704	750	1533	873	14230
	1%	1%	1%	1%	7%
grade 5 events	2439	2866	6942	2879	8423
	4%	4%	6%	4%	4%
grade 6 events	1251	1348	24667	1852	39548
	2%	2%	24%	2%	21%
grade 7 events	47271	48376	42753	51086	35583
	83%	78%	41%	75%	19%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	207.235174	207.2049017558401	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.599655	26.60368834231426	Alternating exposures requested	N	N
[deg] Pointing Roll	140.541861	140.712041485998	[s] Primary exposure time	0.000000	3.1
[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)	449138528.184000	449137048.12363			
Observation start date	2012-03-26T08:41:02	2012-03-26T08:17:28			
[s] Observation end time (MET)	449148528.184000	449149098.02426			
Observation end date	2012-03-26T11:27:42	2012-03-26T11:38:18			
Read mode	TIMED	TIMED			

2.3 Aspect



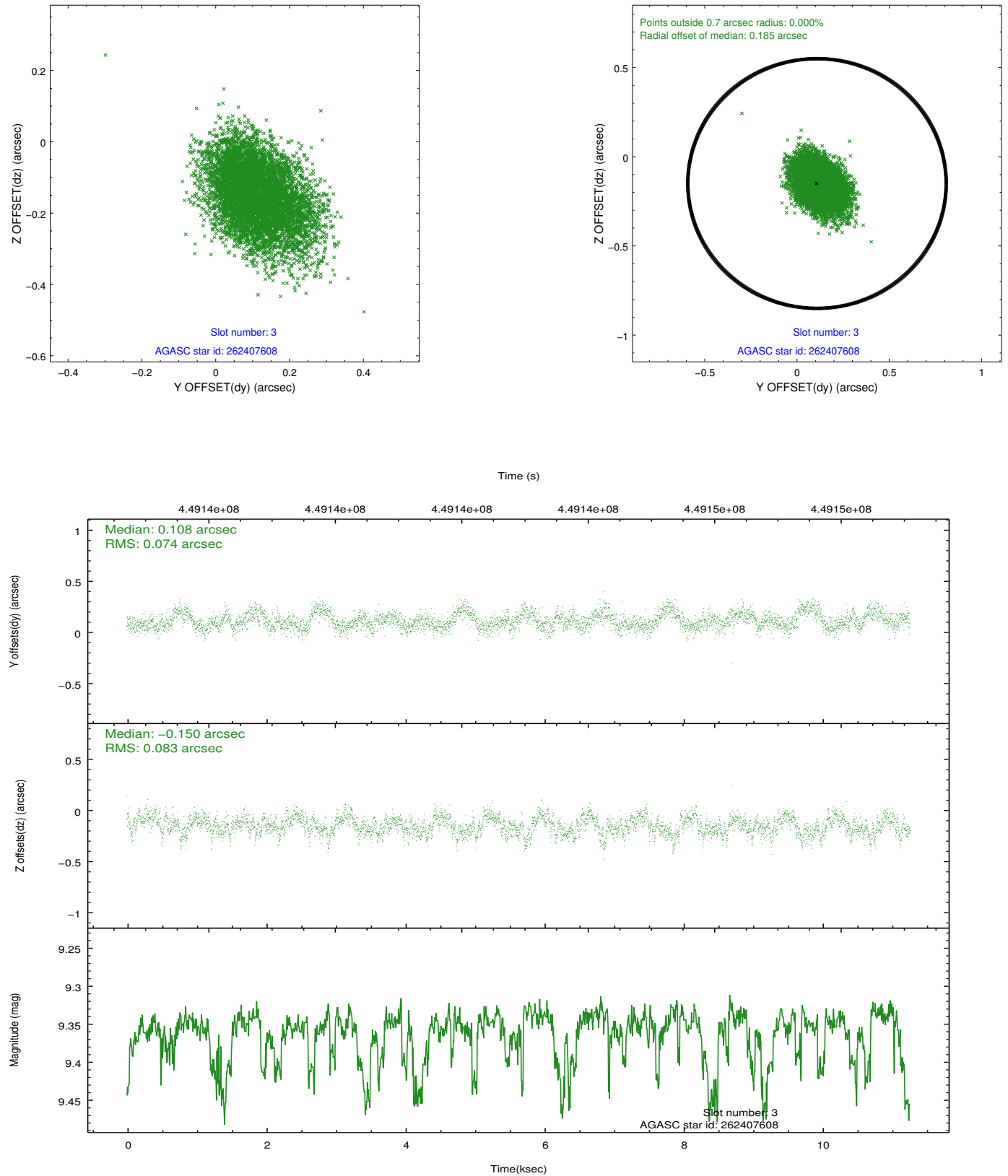


Slot Statistics

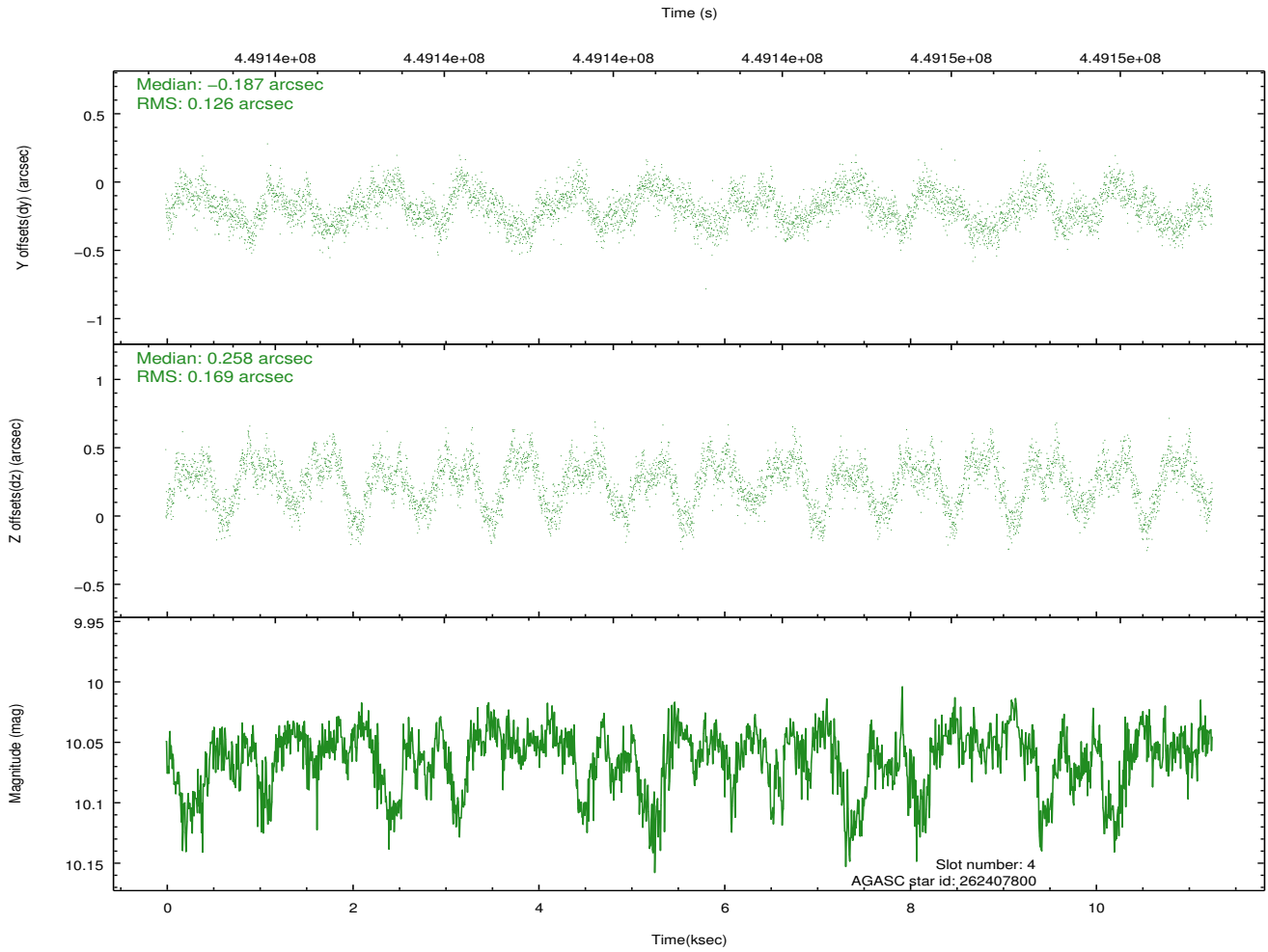
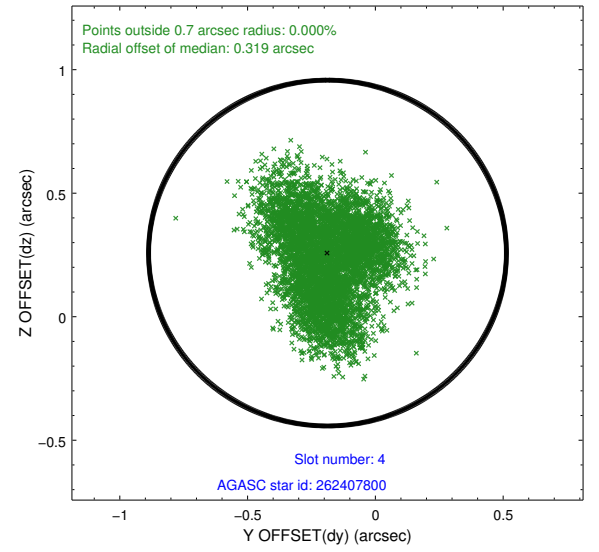
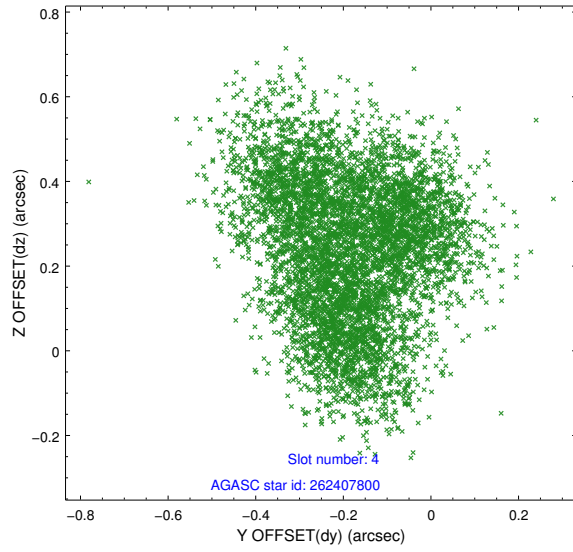
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.10	2747	0.172	-0.039	0.007	0.014	0.000000	0.000000	928.66	-1730.81
1	FID	ACIS-S-2	7.02	2747	-0.102	-0.045	0.008	0.014	0.000000	0.000000	-767.27	-1735.86
2	FID	ACIS-S-5	7.14	2747	-0.095	0.091	0.009	0.021	0.000000	0.000000	-1821.00	166.37
3	GUIDE	262407608	9.36	5476	0.108	-0.150	0.118	0.192	207.378401	26.435507	-731.75	162.44
4	GUIDE	262407800	10.06	5487	-0.187	0.258	0.229	0.355	207.321181	27.251762	1281.20	-1985.20
5	GUIDE	262408096	9.34	5483	-0.095	-0.139	0.158	0.247	207.011678	26.515421	364.23	691.02
6	GUIDE	262408936	9.68	5492	0.029	0.102	0.159	0.247	207.154731	26.726554	490.13	-187.98
7	GUIDE	262411960	9.65	5492	0.112	-0.066	0.142	0.228	207.327895	25.881727	-1874.25	1804.32

2.4 Star Slots

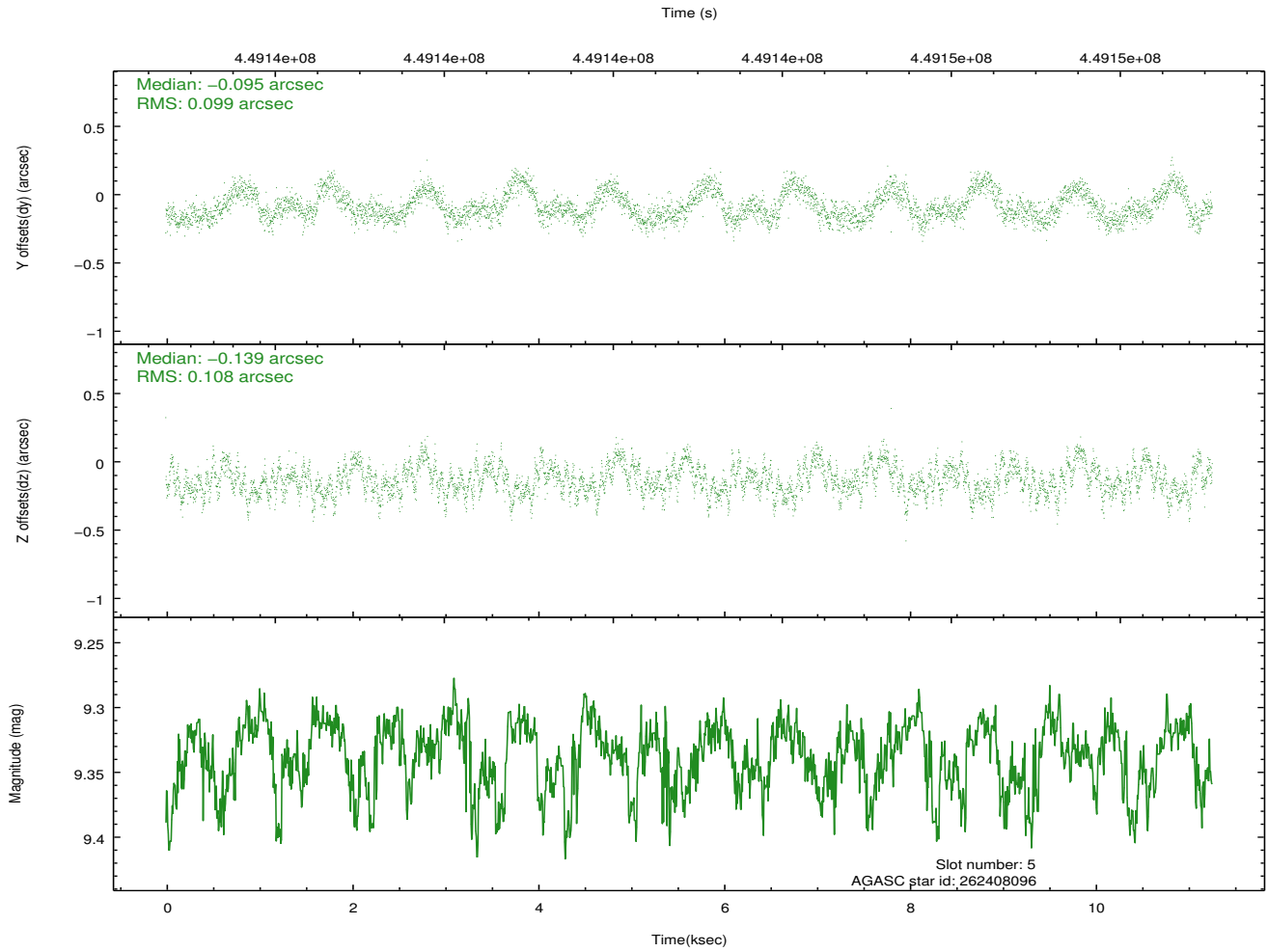
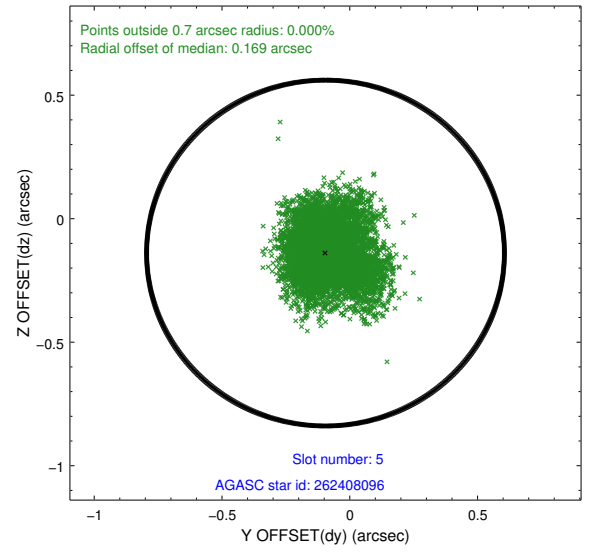
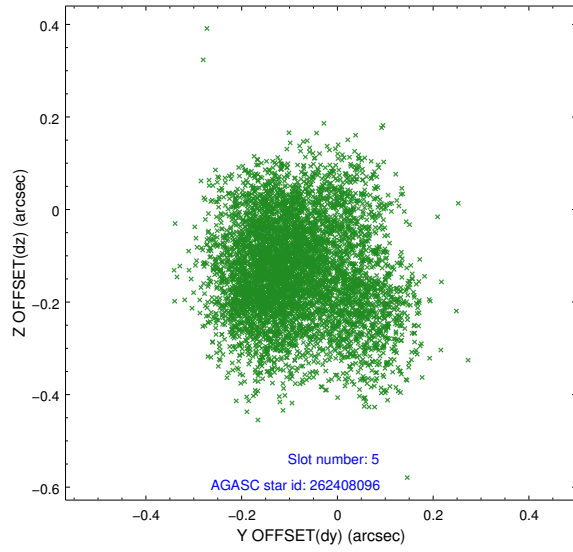
2.4.1 Slot 3



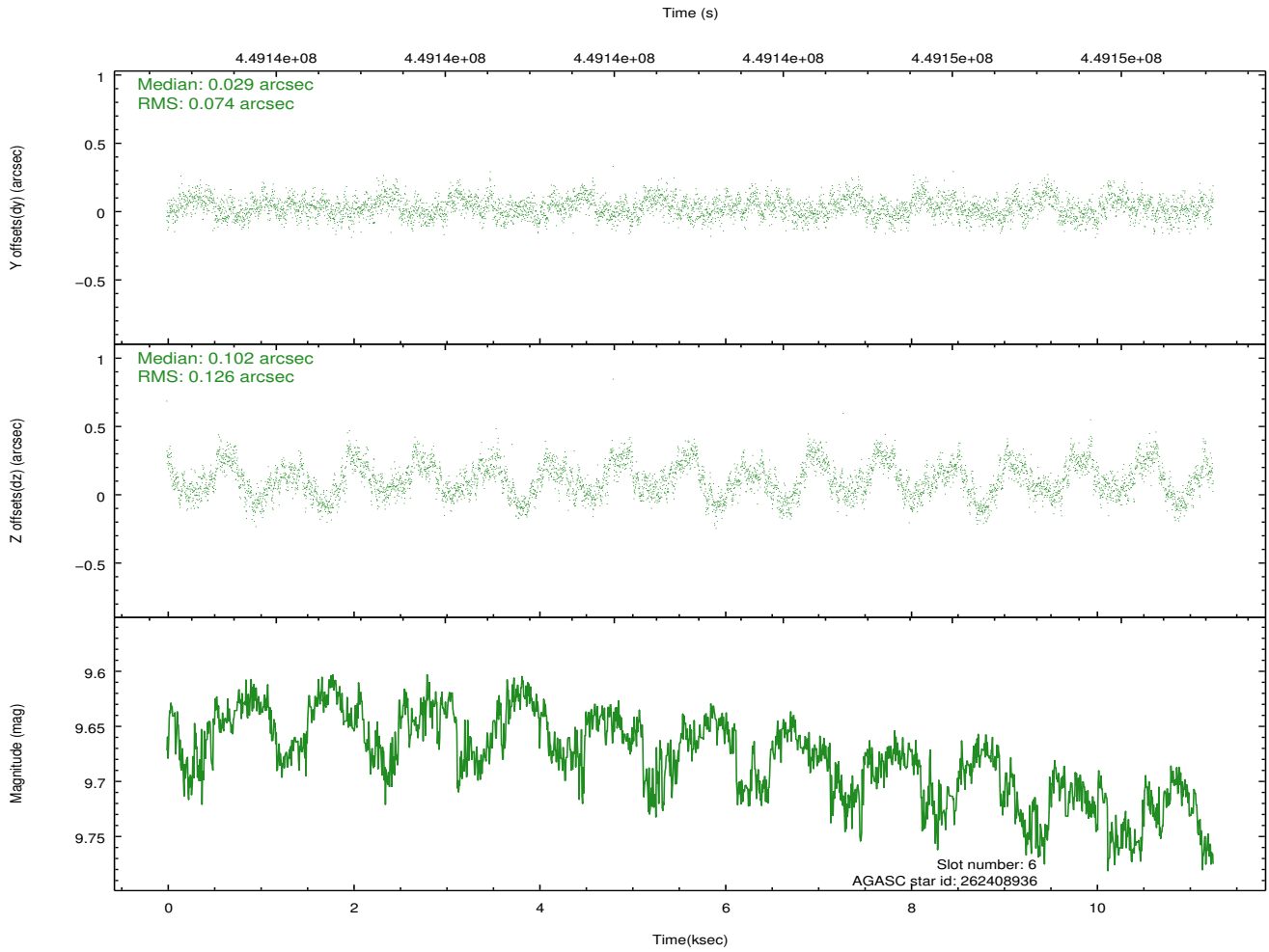
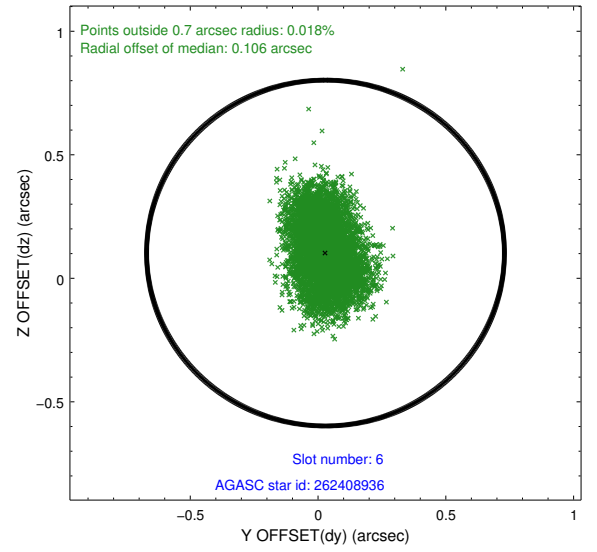
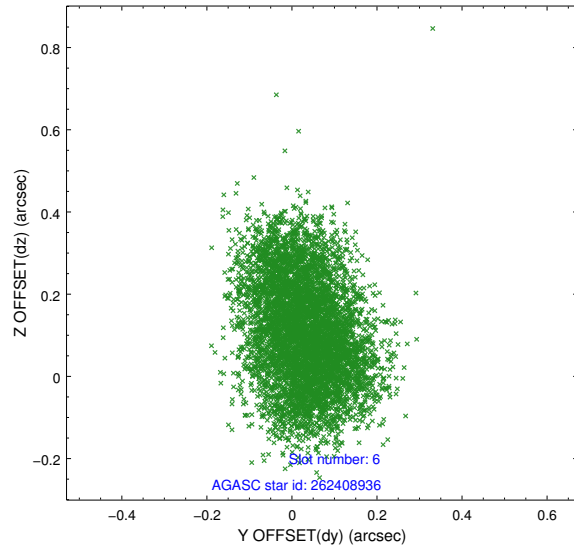
2.4.2 Slot 4



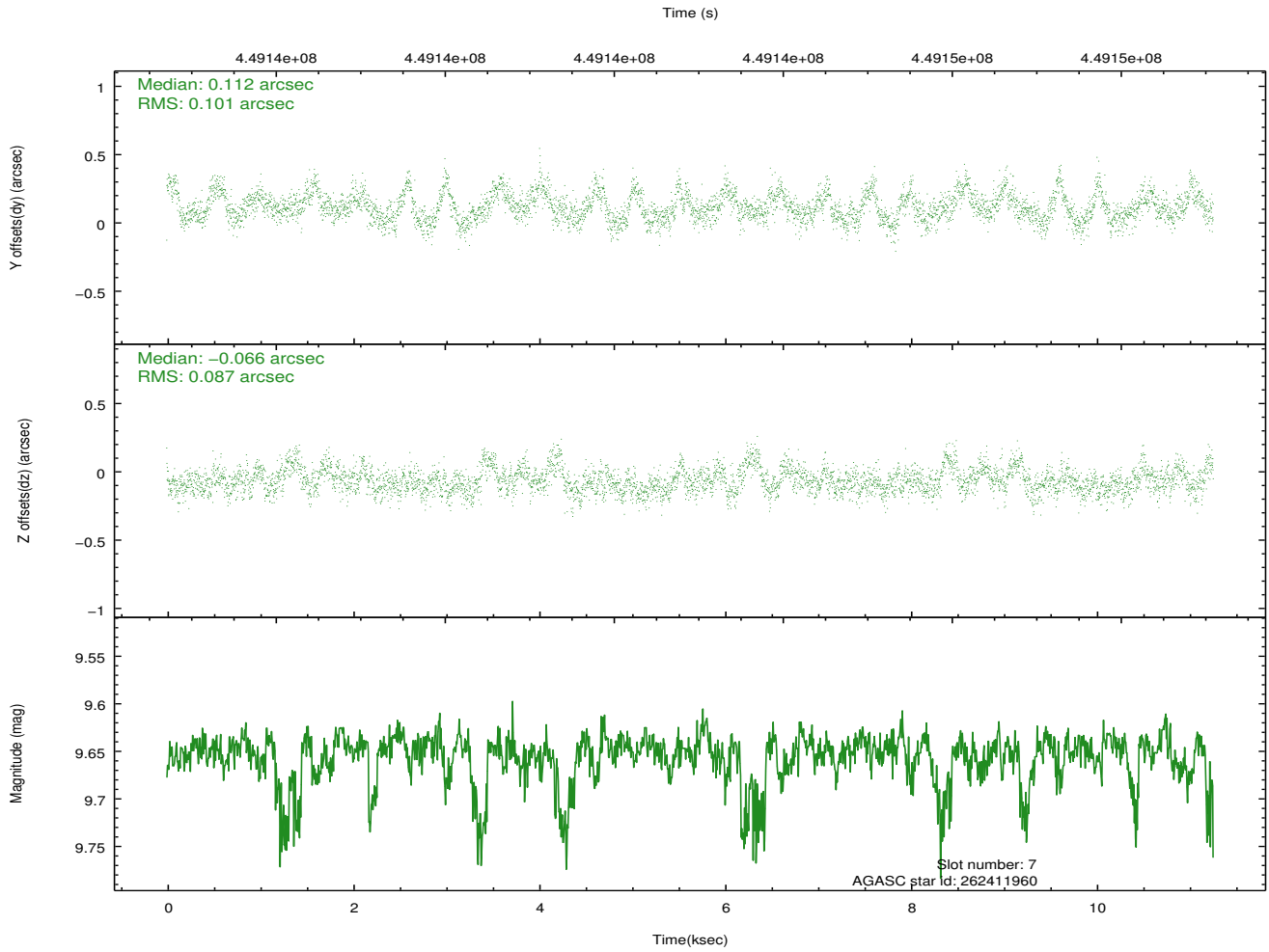
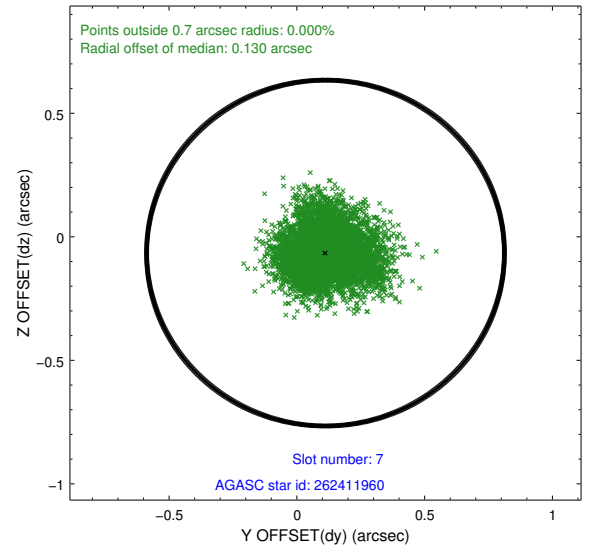
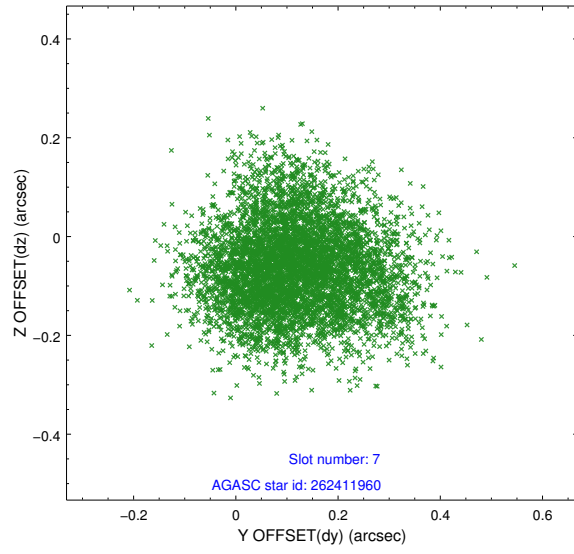
2.4.3 Slot 5



2.4.4 Slot 6

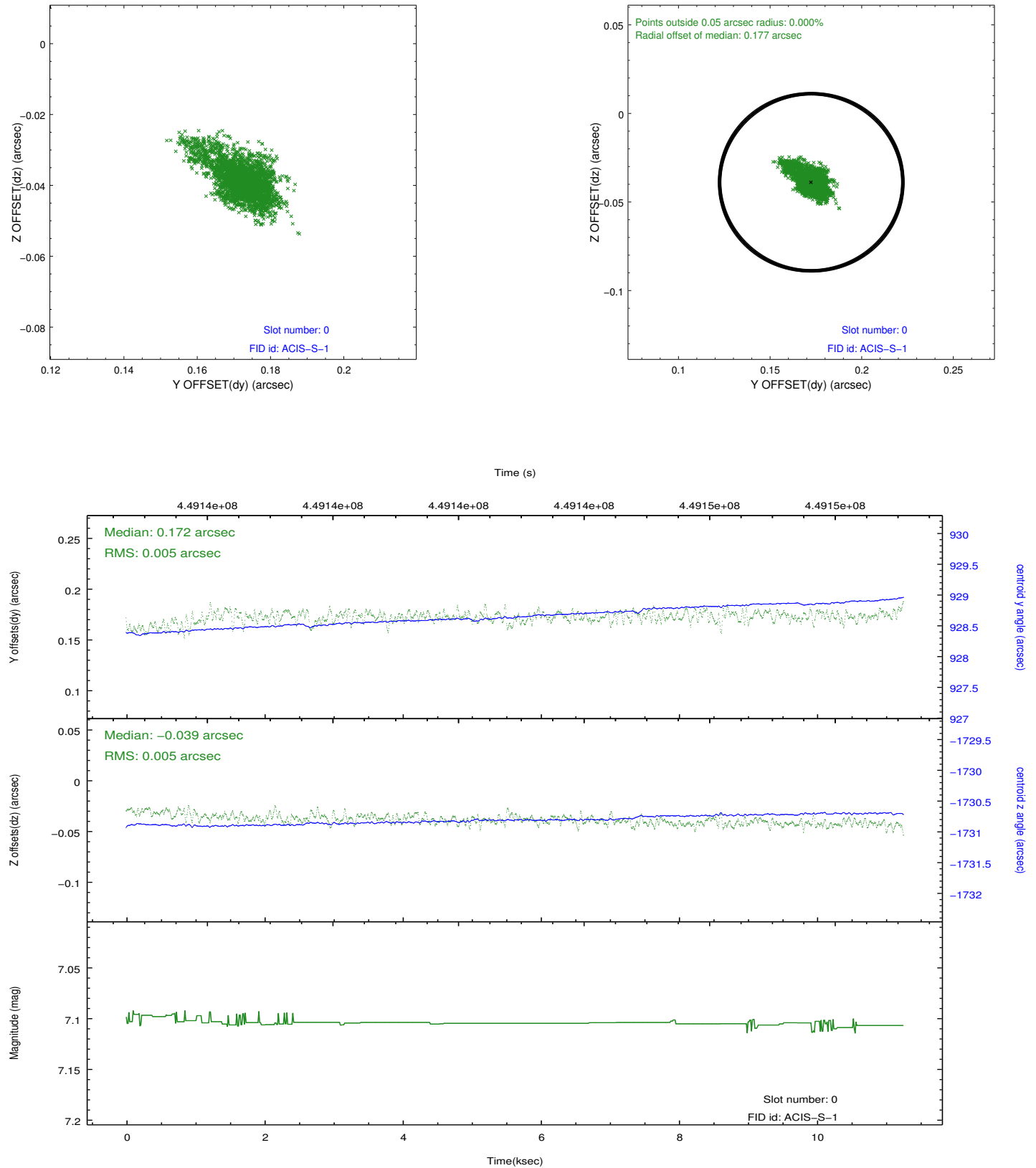


2.4.5 Slot 7

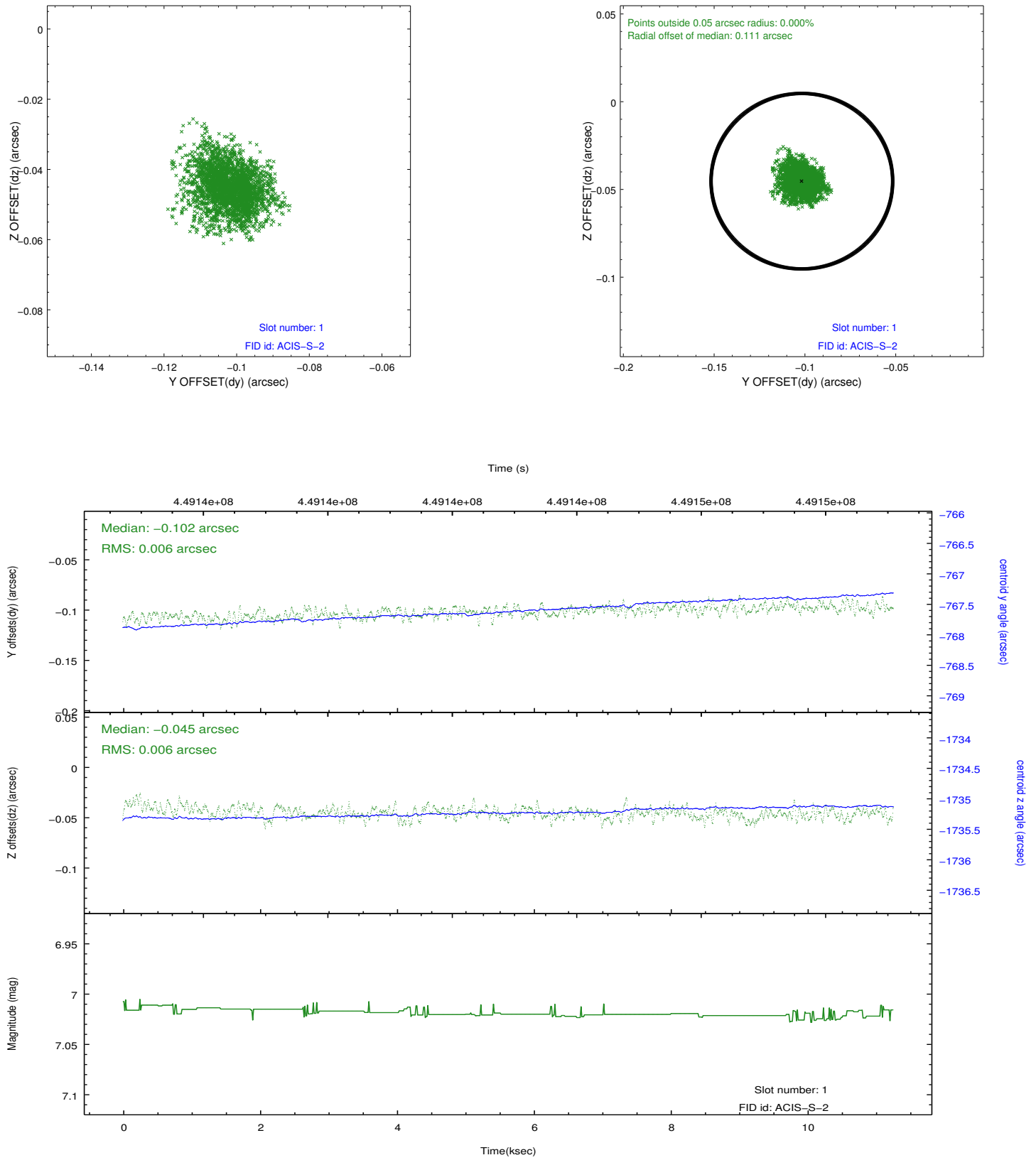


2.5 FID Slots

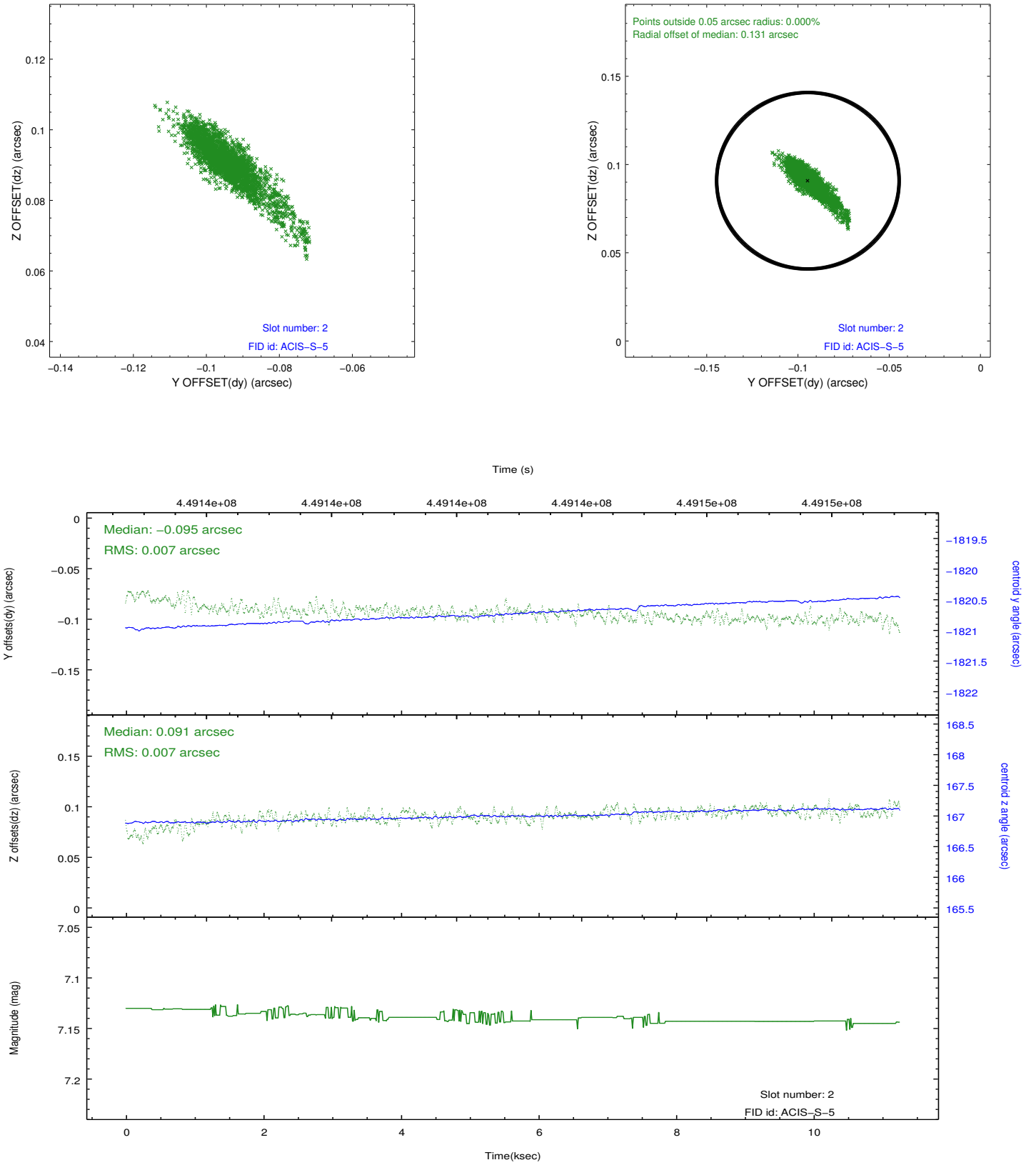
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.059500077367

A.2 Comments