

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18264 - L2 Version 1
Chandra X-Ray Center

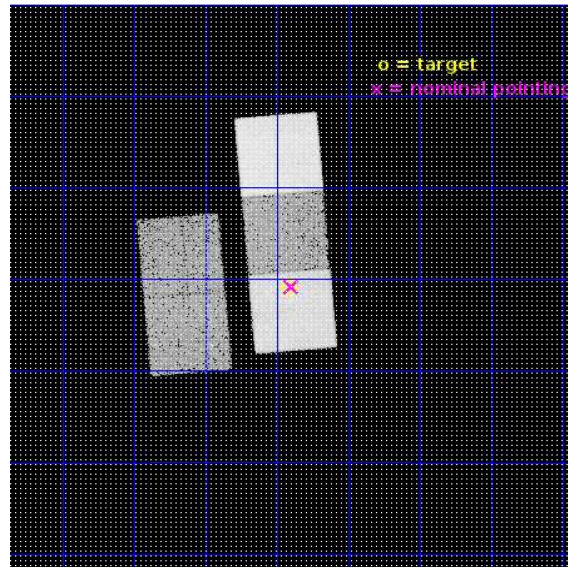
L2 Processing Date : Sep 28 2016

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1 Front

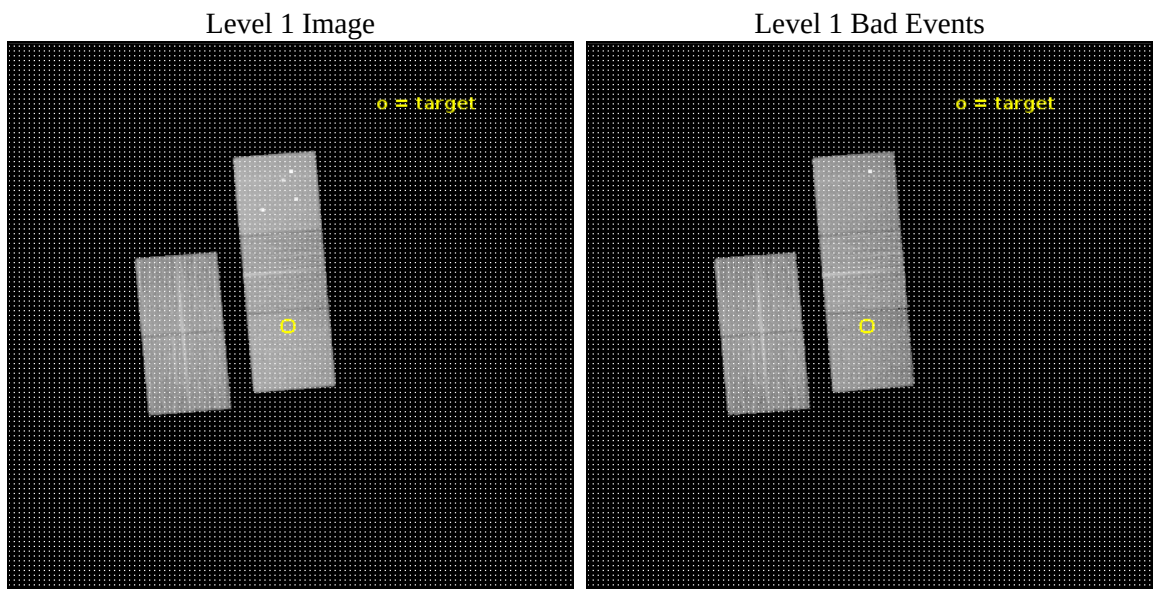
seq_num	801588	Sequence number
obs_id	18264	Observation id
title	Building a complete sample of $z>1$ XXL galaxy clusters	Proposal tit
observer	Dr Ben Maughan	Principal investigator
object	XLSS J022554.5-045058	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	36.477083	Observer's specified target RA [deg]
dec_targ	-4.849	Observer's specified target Dec [deg]
ra_nom	36.474436183666	Nominal RA [deg]
dec_nom	-4.8474613004505	Nominal Dec [deg]
roll_nom	85.156412219668	Nominal Roll [deg]
revision	1	Processing version of data
ontime	23057.800177455	Sum of GTIs [s]
livetime	22756.533043231	Livetime [s]
ontime2	23057.800177455	Sum of GTIs [s]
ontime3	23057.800177455	Sum of GTIs [s]
ontime5	23057.800177455	Sum of GTIs [s]
ontime6	23054.659127235	Sum of GTIs [s]
ontime7	23057.800177455	Sum of GTIs [s]
l2events	236374	Number of level 2 events



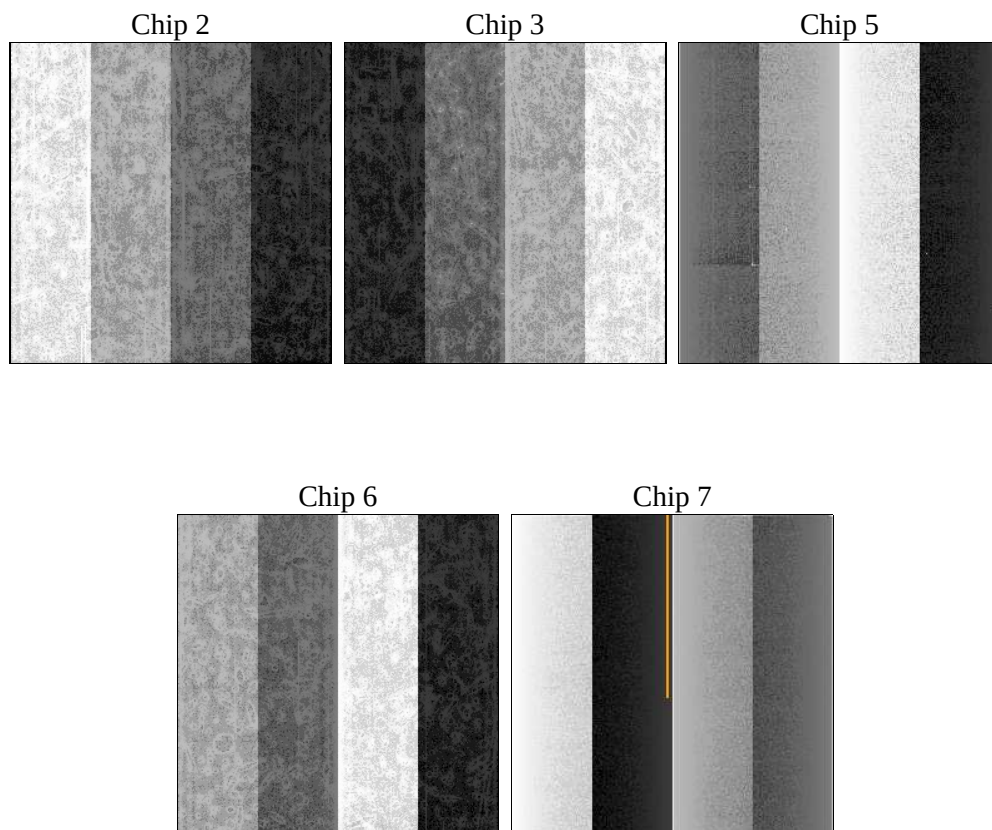
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	23057.800177455	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	23057.800177455	Sum of GTIs [s]
date	2016-09-28T15:16:28	Date and time of file creation	ontime3	23057.800177455	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	23057.800177455	Sum of GTIs [s]
			ontime6	23054.659127235	Sum of GTIs [s]
			ontime7	23057.800177455	Sum of GTIs [s]
			l1events	906171	Number of level 1 events

2.1.4 Events

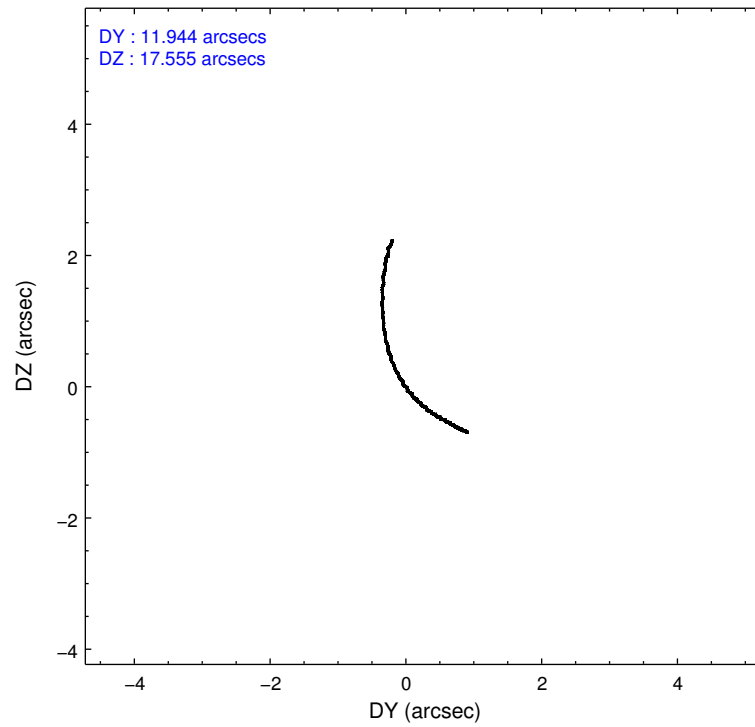
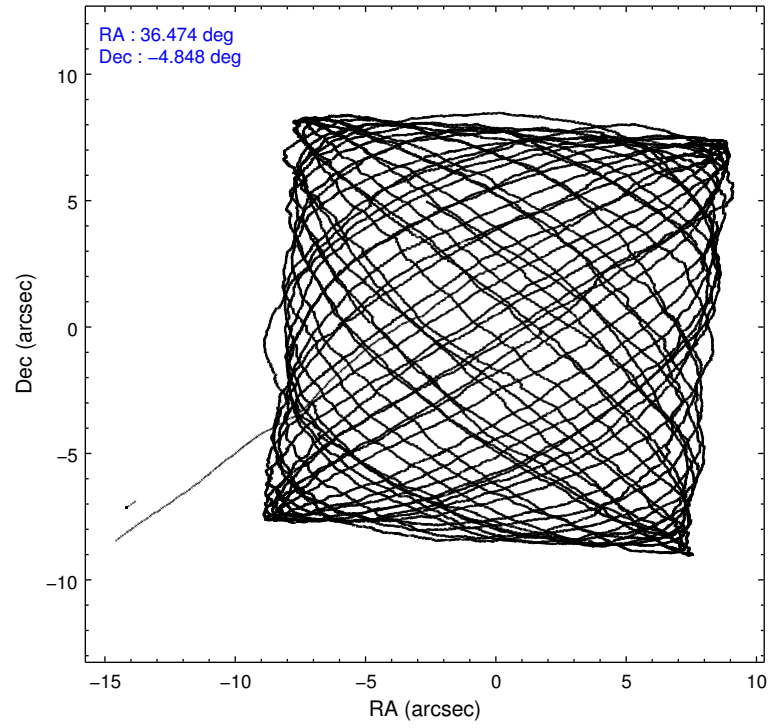
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	149648	142509	259597	157975	196442
rejected events	133539	126613	131054	140610	111202
rejected %	89%	88%	50%	89%	56%

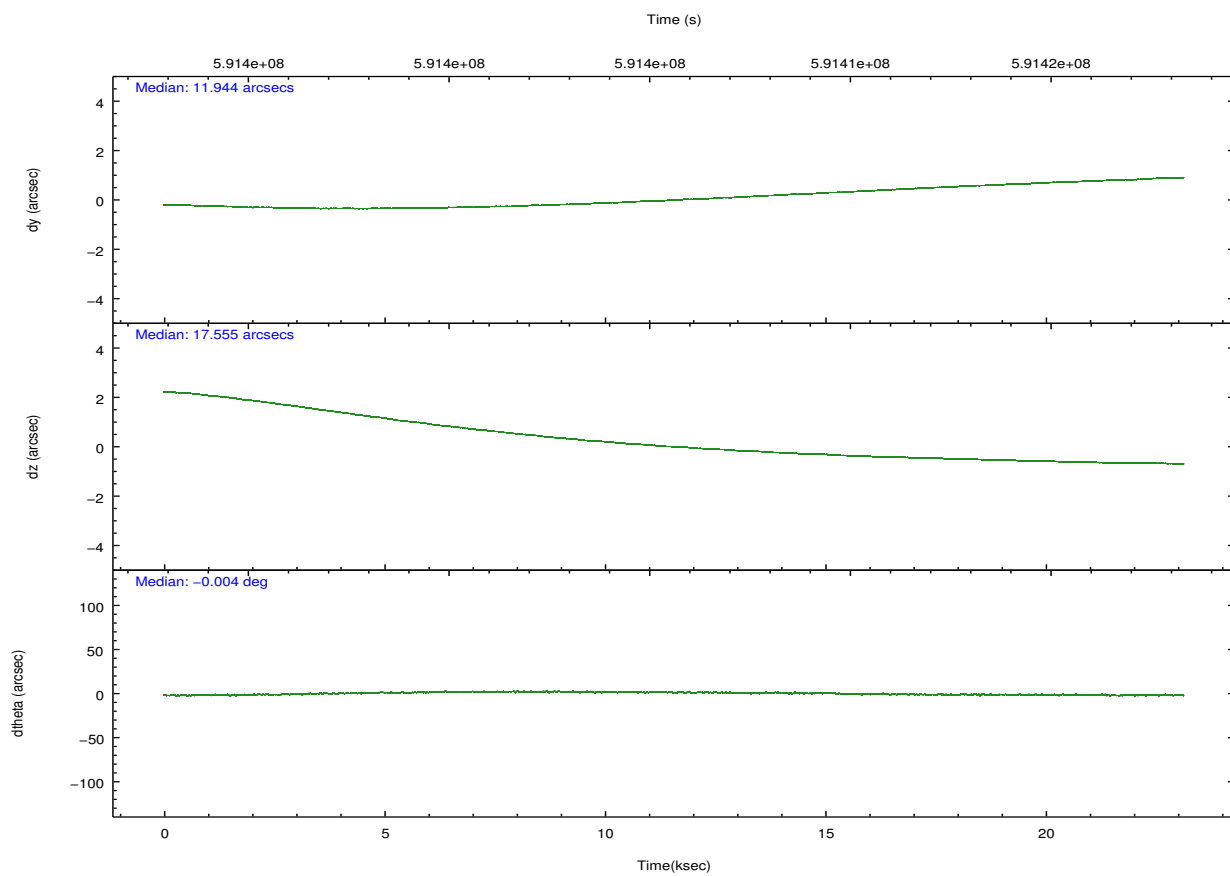
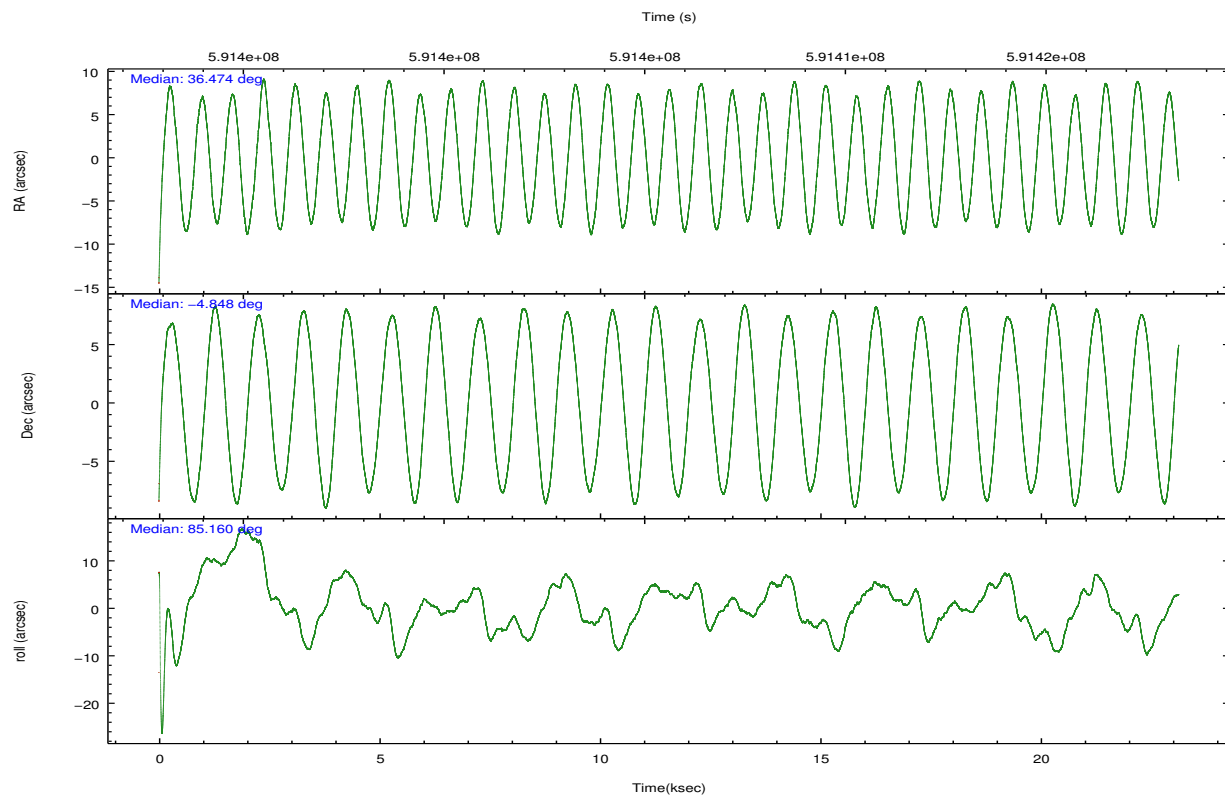
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	5623	5625	19957	5755	7360
	3%	3%	7%	3%	3%
grade 1 events	79	73	481	83	280
	0%	0%	0%	0%	0%
grade 2 events	4055	3523	37732	3979	18031
	2%	2%	14%	2%	9%
grade 3 events	1642	1722	3882	1768	6997
	1%	1%	1%	1%	3%
grade 4 events	1605	1688	3684	1752	6989
	1%	1%	1%	1%	3%
grade 5 events	5996	7295	17964	7286	19853
	4%	5%	6%	4%	10%
grade 6 events	3185	3344	63309	4113	45873
	2%	2%	24%	2%	23%
grade 7 events	127463	119239	112588	133239	91059
	85%	83%	43%	84%	46%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	36.486466	36.4744361836661	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.872150	-4.847461300450472	Alternating exposures requested	N	N
[deg] Pointing Roll	85.000796	85.15641221966753	[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)	591394161.184000	591392905.56375			
Observation start date	2016-09-27T20:08:13	2016-09-27T19:48:25			
[s] Observation end time (MET)	591417161.184000	591418405.51522			
Observation end date	2016-09-28T02:31:33	2016-09-28T02:53:25			
Read mode	TIMED	TIMED			

2.3 Aspect



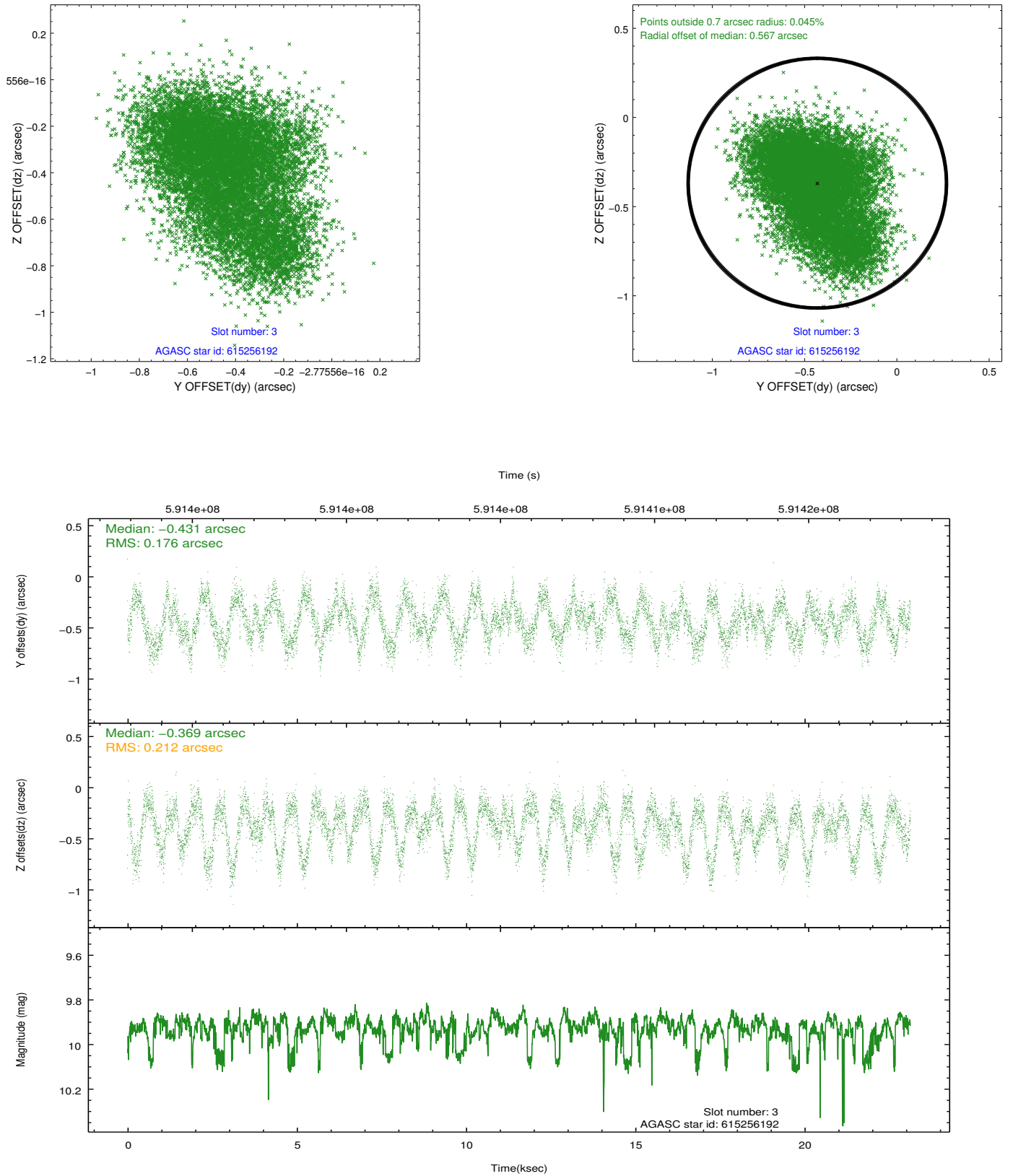


Slot Statistics

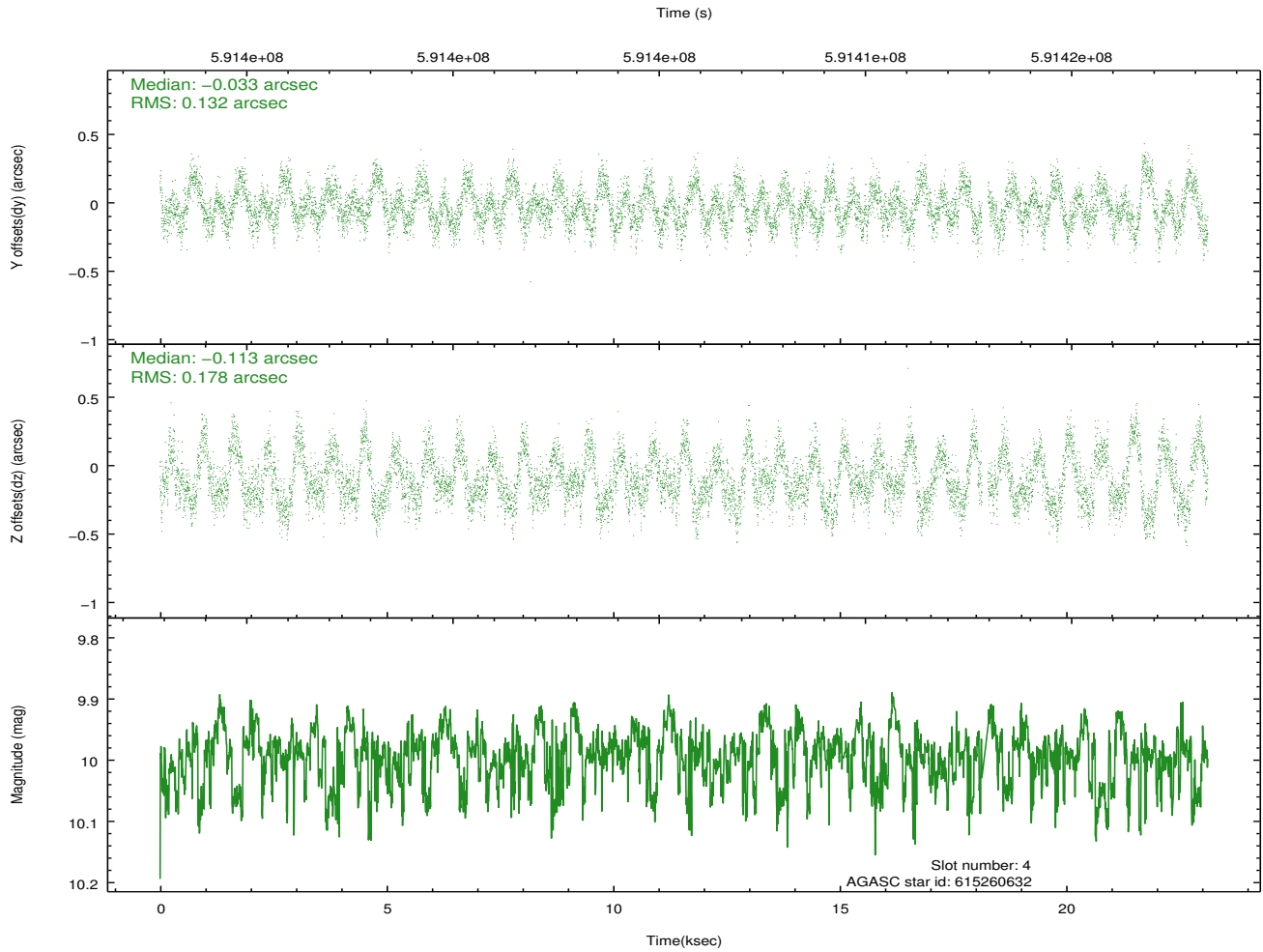
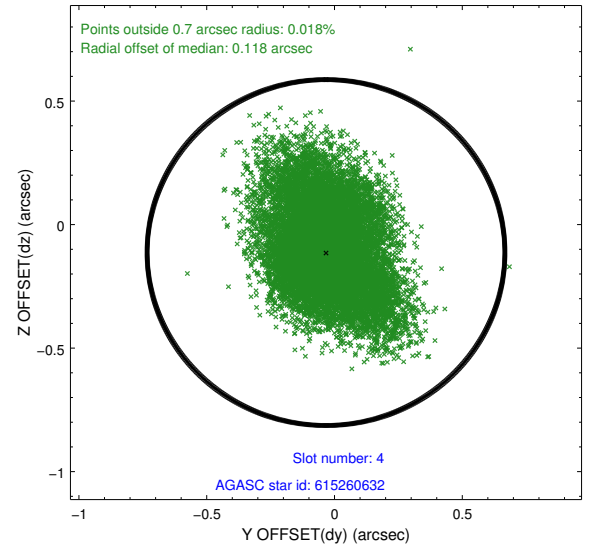
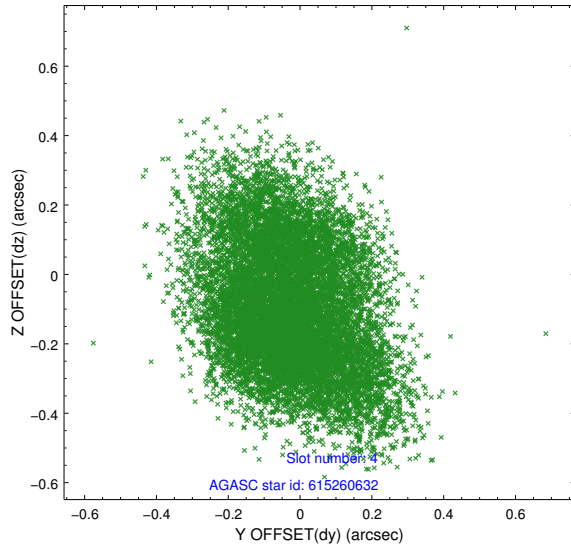
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.95	5642	-0.115	-0.074	0.018	0.043	0.000000	0.000000	-765.05	-1739.35
1	FID		ACIS-S-4	7.07	5641	0.344	0.076	0.013	0.022	0.000000	0.000000	2148.61	169.16
2	FID		ACIS-S-5	7.07	5642	-0.255	0.006	0.017	0.037	0.000000	0.000000	-1817.86	162.89
3	GUIDE	used	615256192	9.93	11218	-0.431	-0.369	0.297	0.472	36.014543	-4.191354	2292.98	1901.38
4	GUIDE	used	615260632	9.99	11201	-0.033	-0.113	0.237	0.386	36.806956	-4.653233	885.66	-1076.65
5	GUIDE	used	615651688	9.30	11271	0.143	0.070	0.127	0.210	36.942546	-5.027086	-411.12	-1681.59
6	GUIDE	used	615651880	9.29	11278	0.016	0.198	0.142	0.228	36.587684	-5.420831	-1935.76	-533.12
7	GUIDE	used	615652208	9.23	11263	0.296	0.229	0.227	0.346	37.091780	-5.282014	-1281.61	-2290.36

2.4 Star Slots

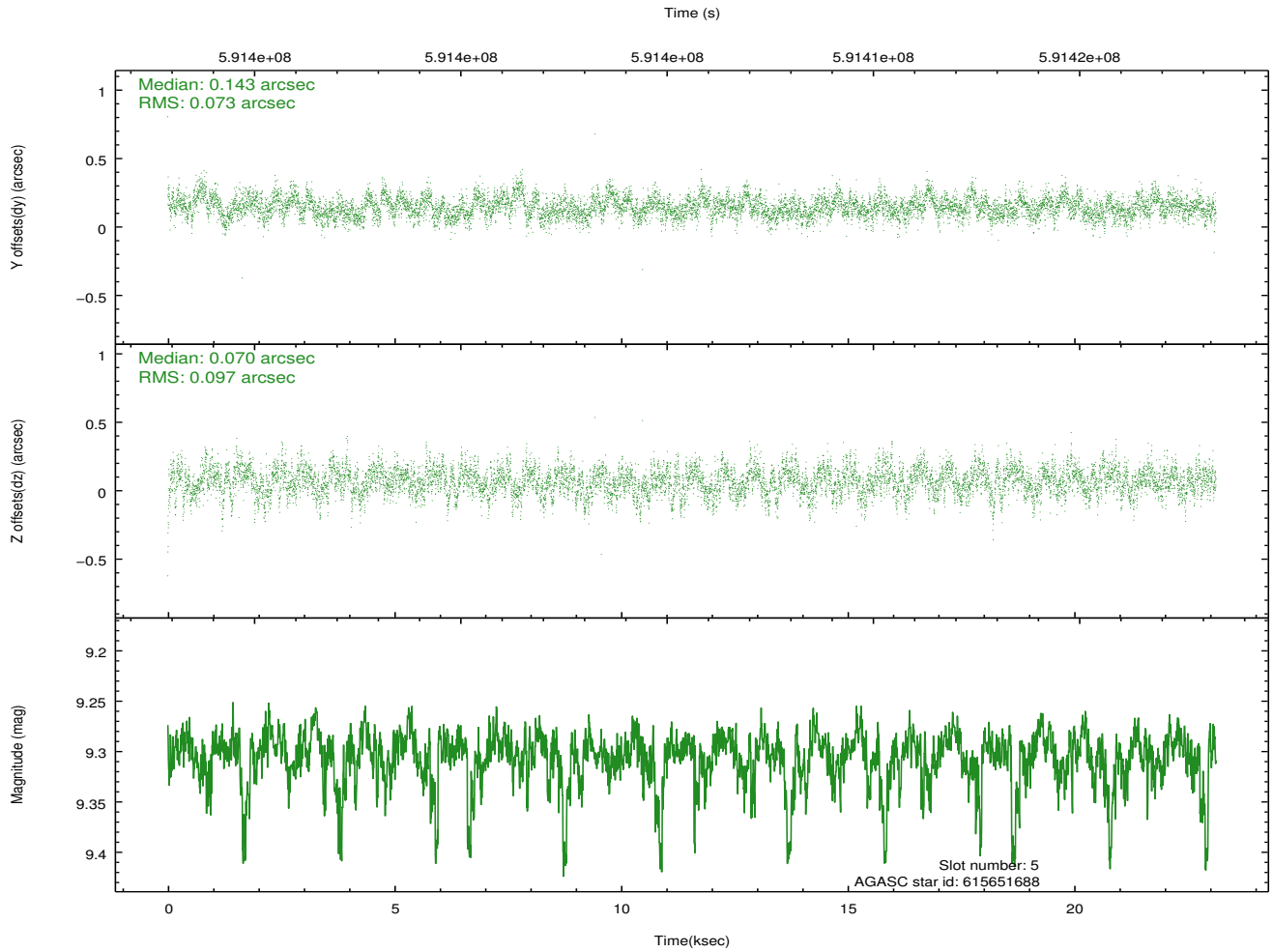
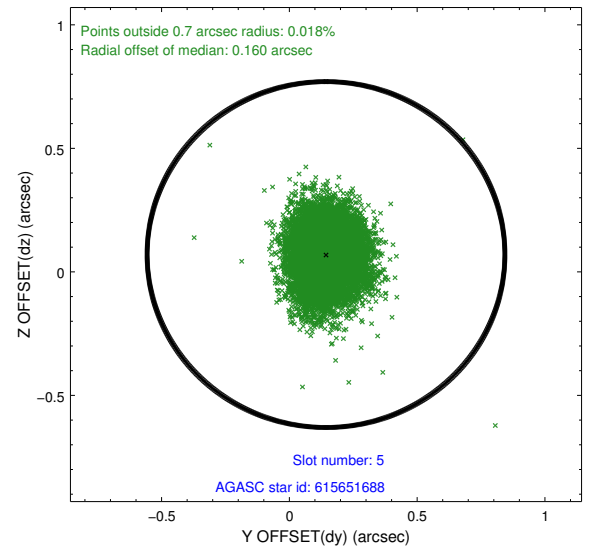
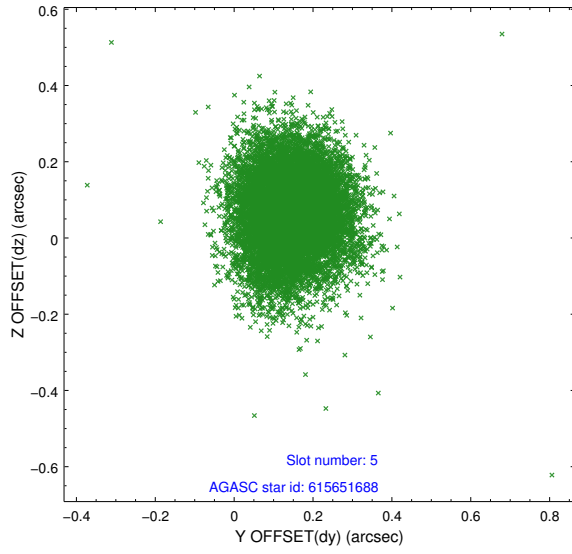
2.4.1 Slot 3



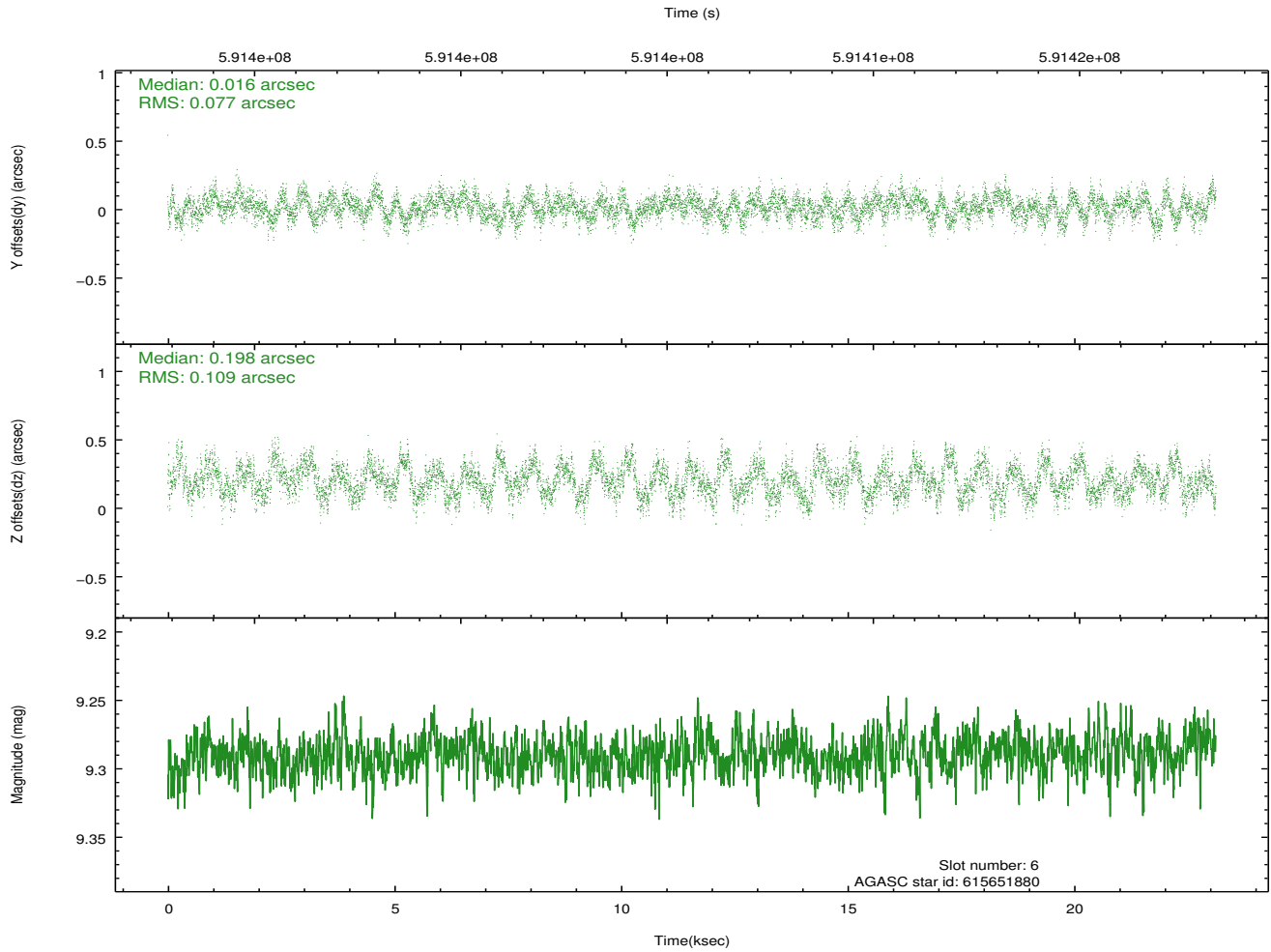
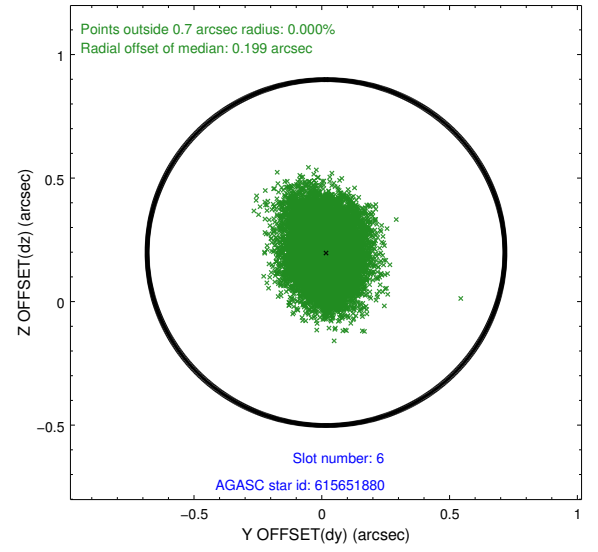
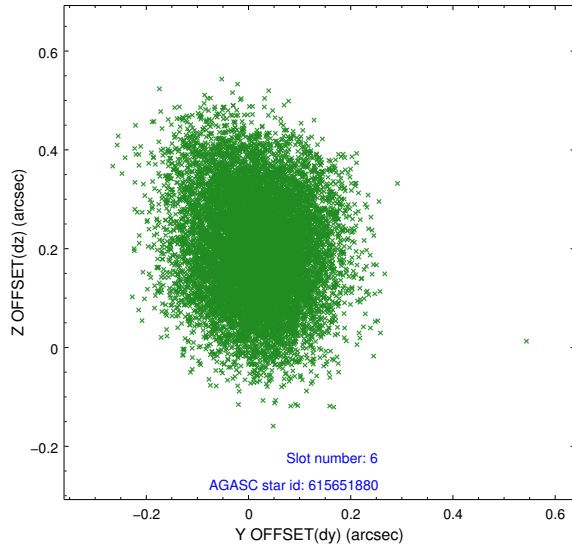
2.4.2 Slot 4



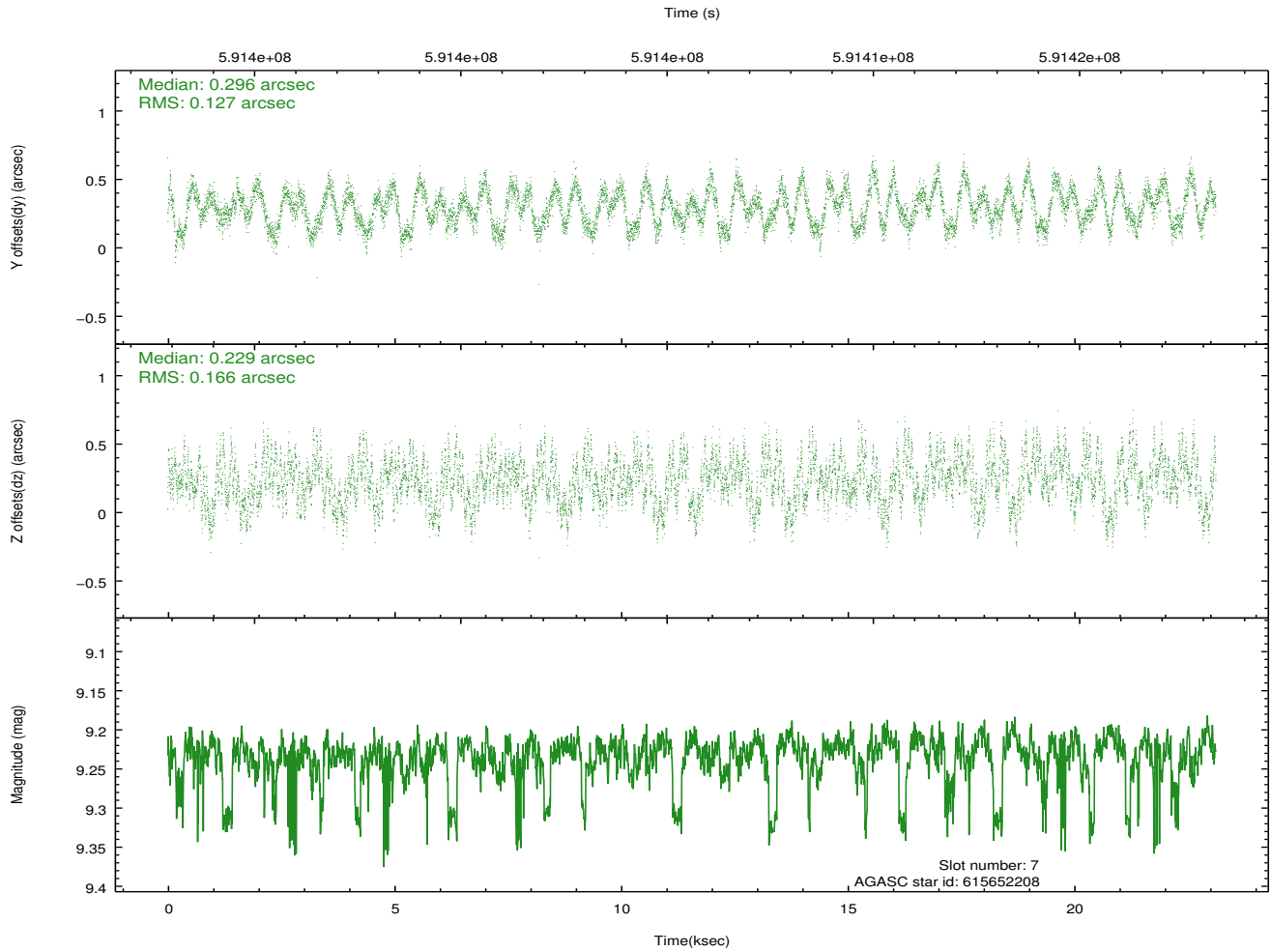
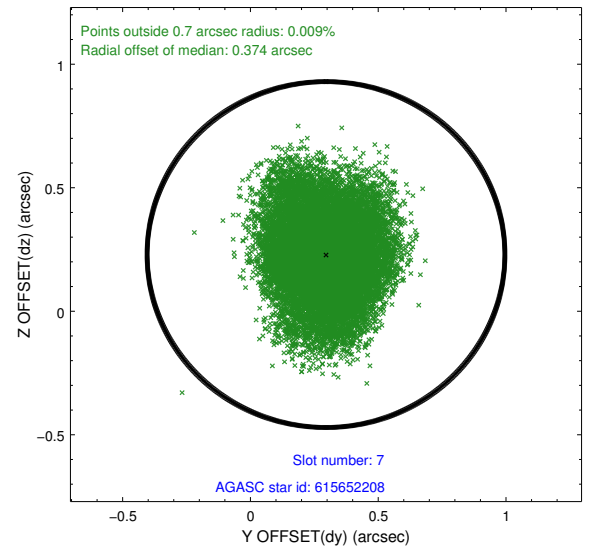
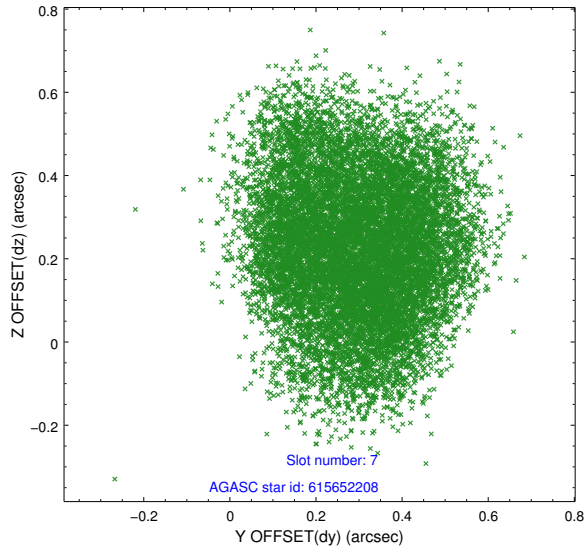
2.4.3 Slot 5



2.4.4 Slot 6

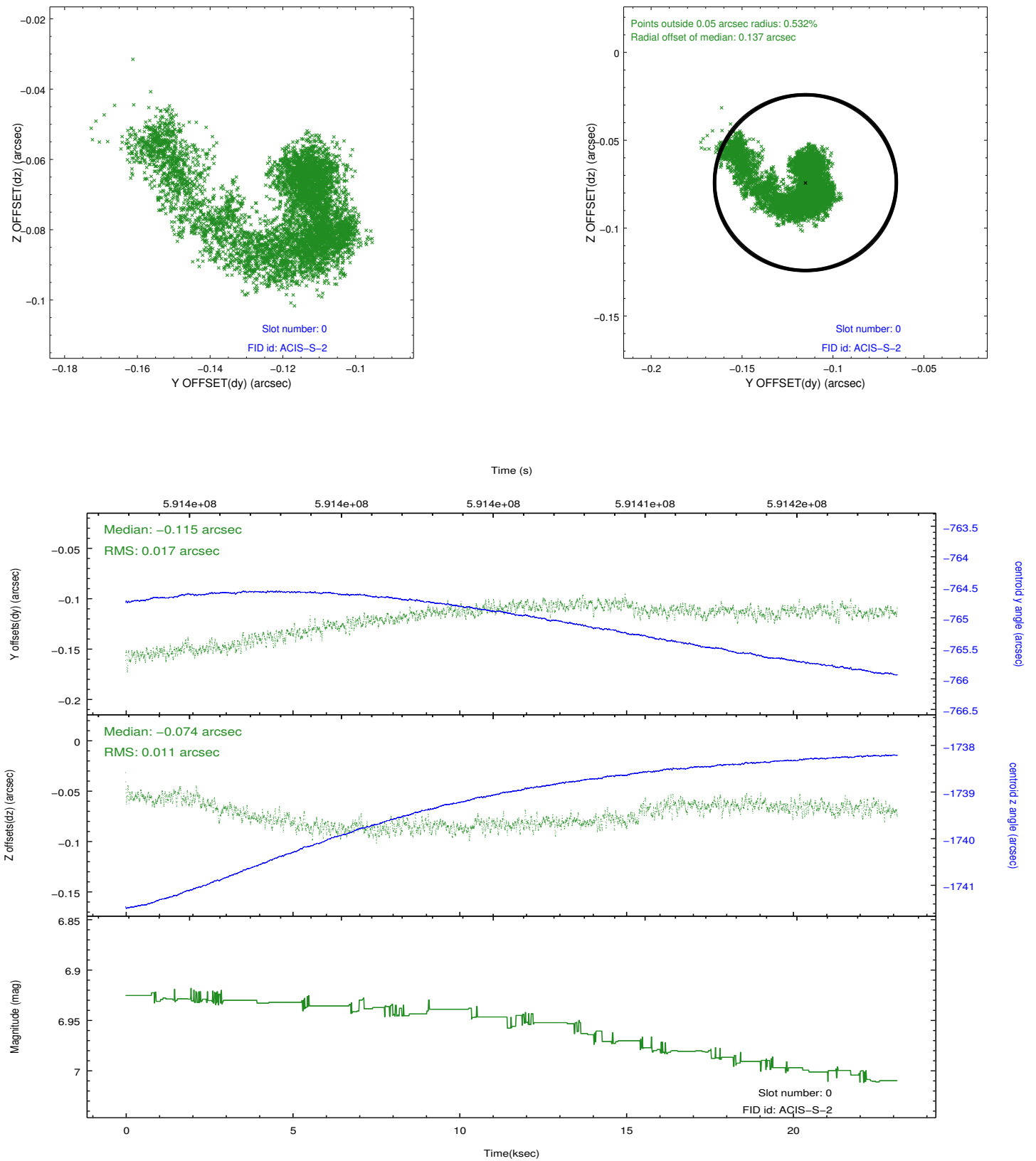


2.4.5 Slot 7

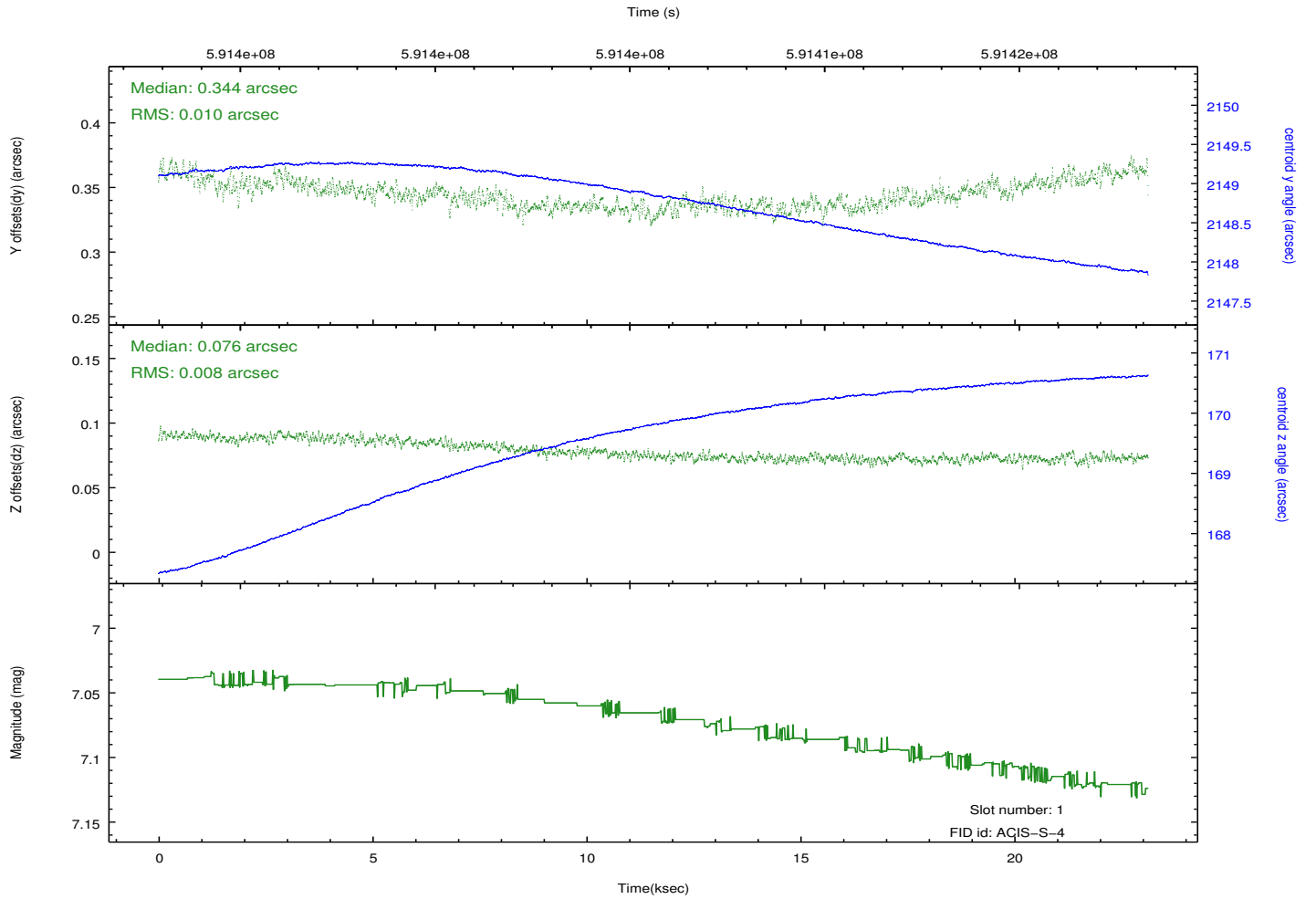
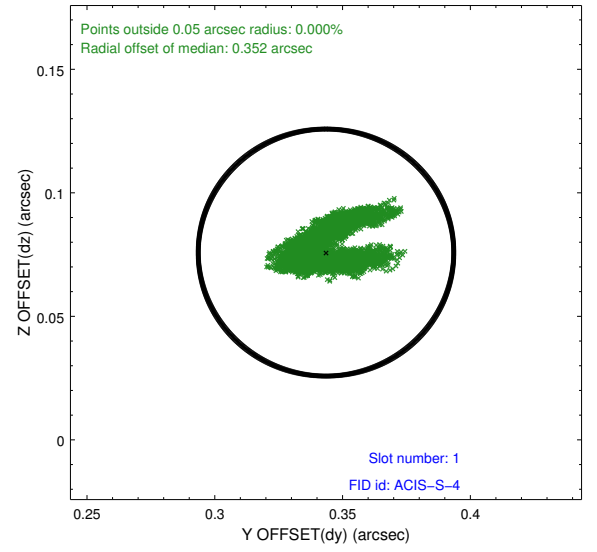
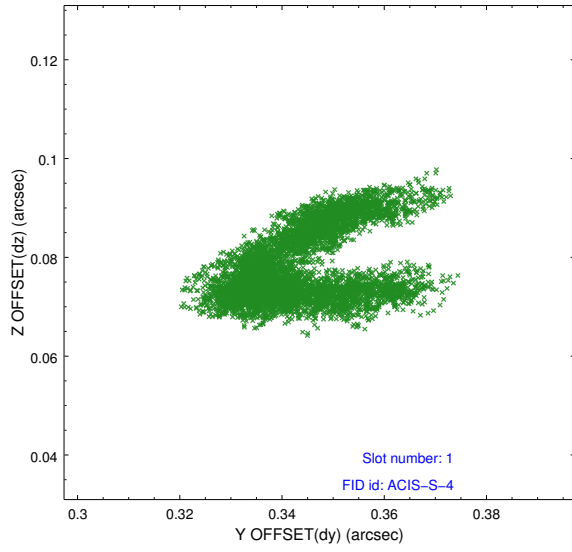


2.5 FID Slots

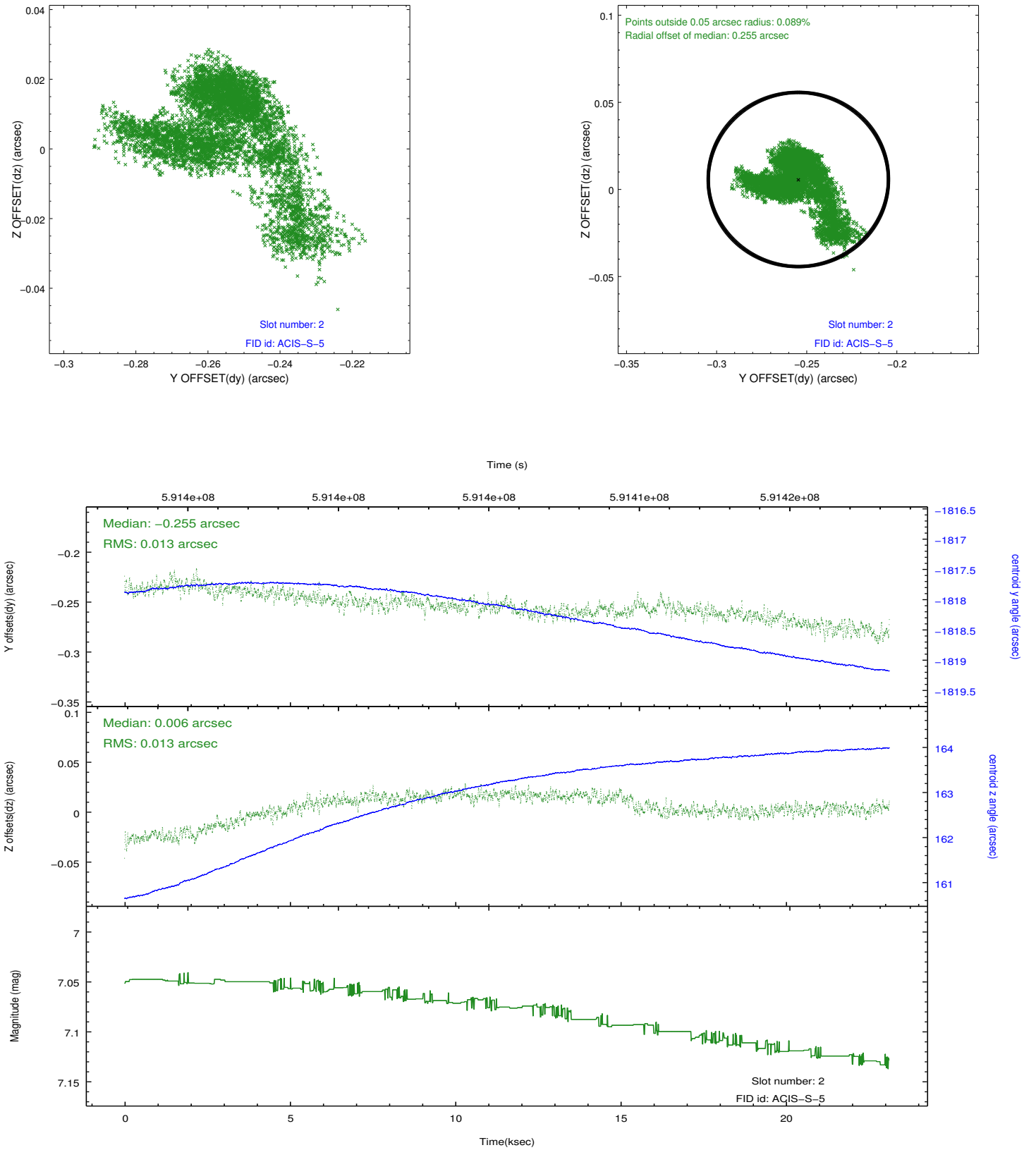
2.5.1 Slot 0



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)	2016.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.057800177455

A.2 Comments