

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18134 - L2 Version 1
Chandra X-Ray Center

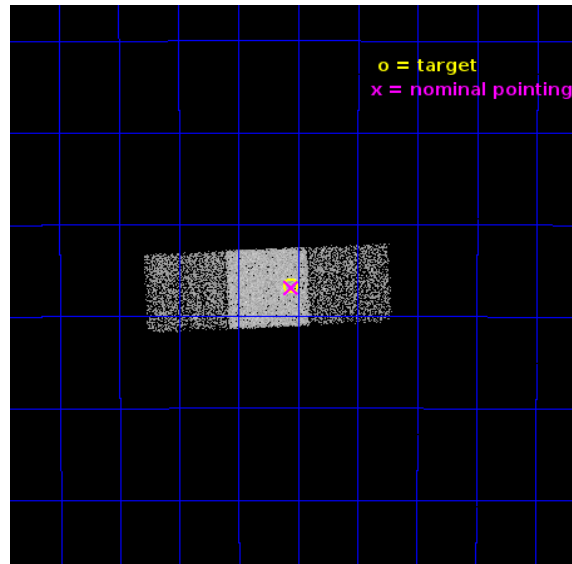
L2 Processing Date : May 21 2016

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1 Front

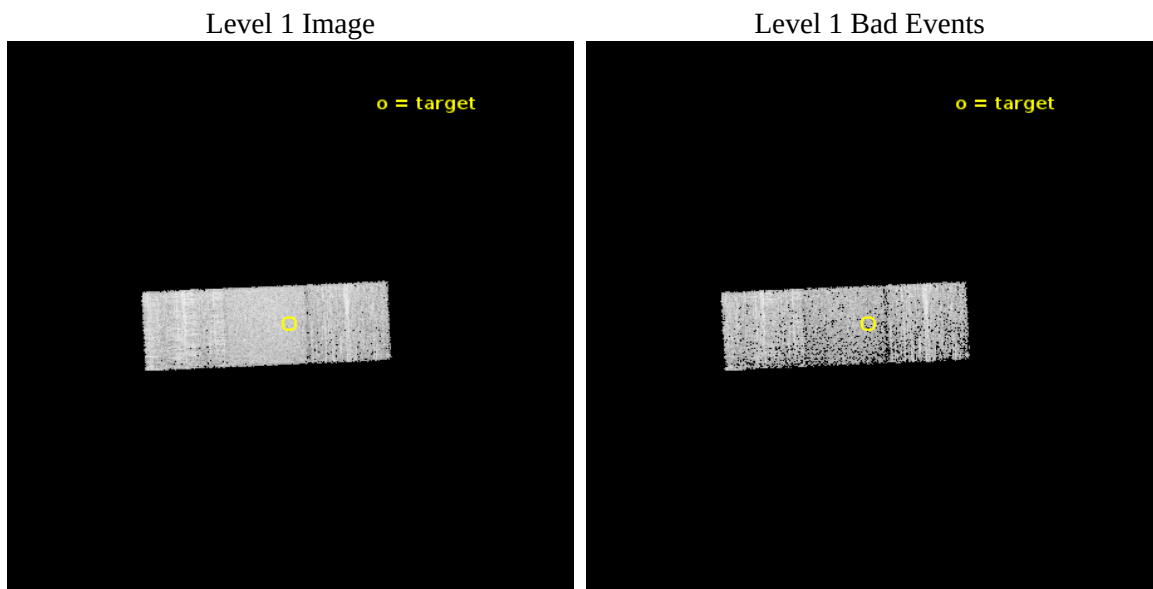
seq_num	703200	Sequence number
obs_id	18134	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	fcc255	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	55.265	Observer's specified target RA [deg]
dec_targ	-33.779306	Observer's specified target Dec [deg]
ra_nom	55.263961042166	Nominal RA [deg]
dec_nom	-33.781738848661	Nominal Dec [deg]
roll_nom	177.31015109315	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4606.0251920223	Sum of GTIs [s]
livetime	4545.8440819821	Livetime [s]
ontime6	4602.8431619406	Sum of GTIs [s]
ontime7	4606.0251920223	Sum of GTIs [s]
ontime8	4599.6611415148	Sum of GTIs [s]
l2events	21421	Number of level 2 events



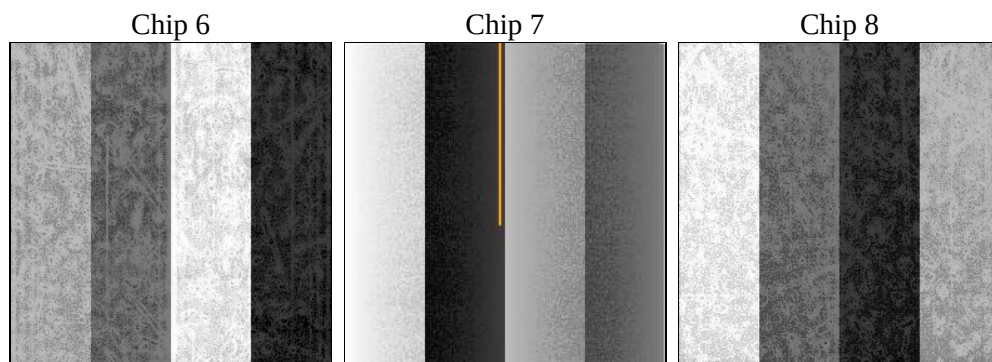
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	4606.0251920223	Sum of GTIs [s]
caldbver	4.7.1	 	ontime6	4602.8431619406	Sum of GTIs [s]
date	2016-05-21T10:34:21	Date and time of file creation	ontime7	4606.0251920223	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4599.6611415148	Sum of GTIs [s]
			l1events	105841	Number of level 1 events

2.1.4 Events

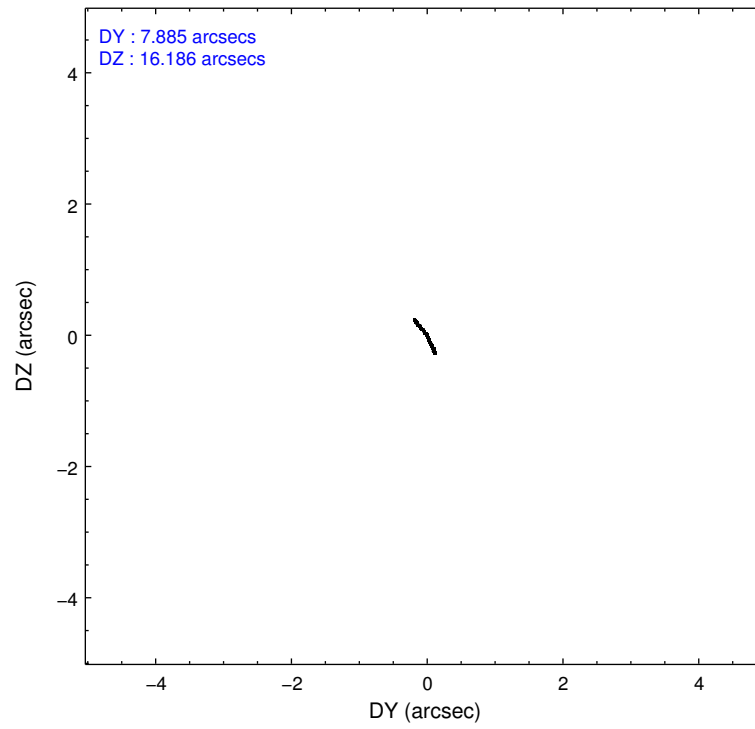
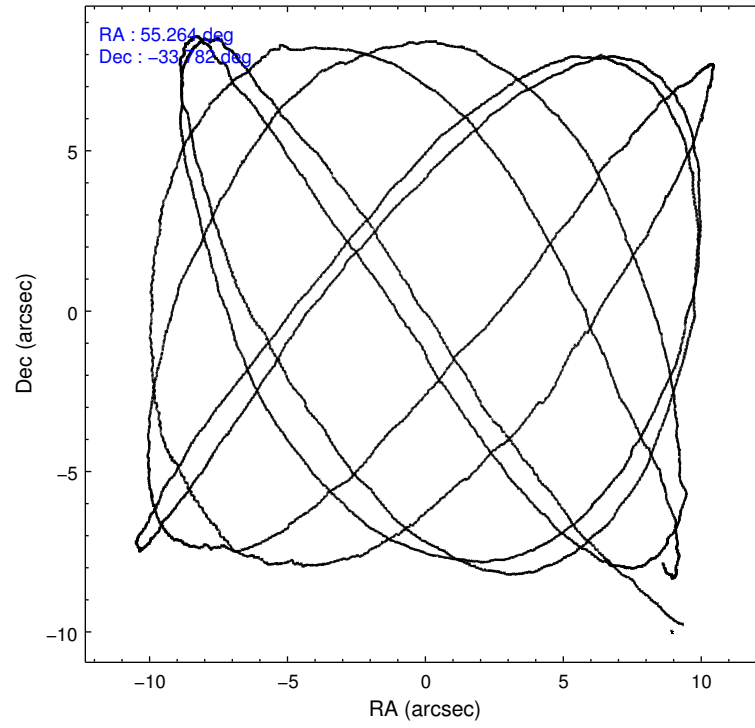
	ccd 6	ccd 7	ccd 8
level 1 events	28926	35749	41166
rejected events	25722	20107	30327
rejected %	88%	56%	73%

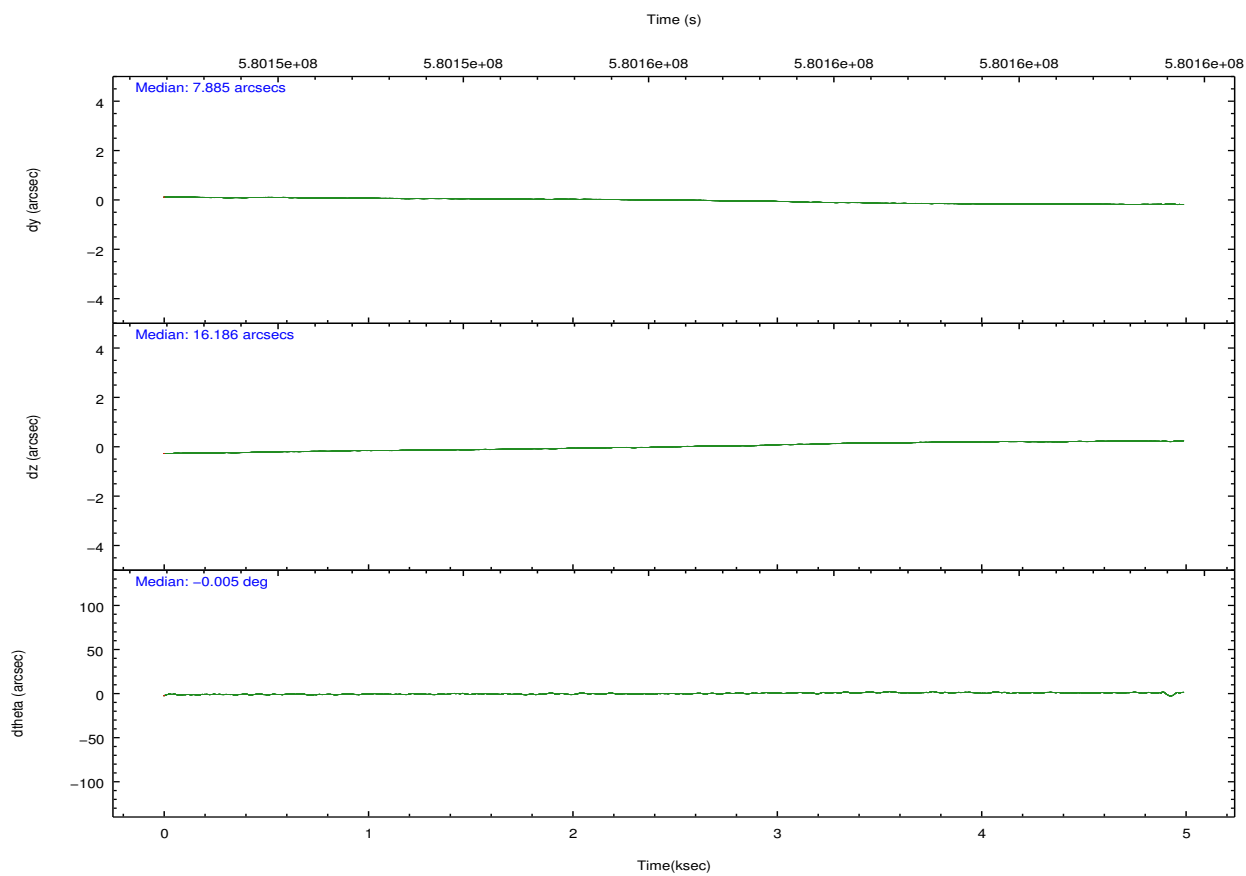
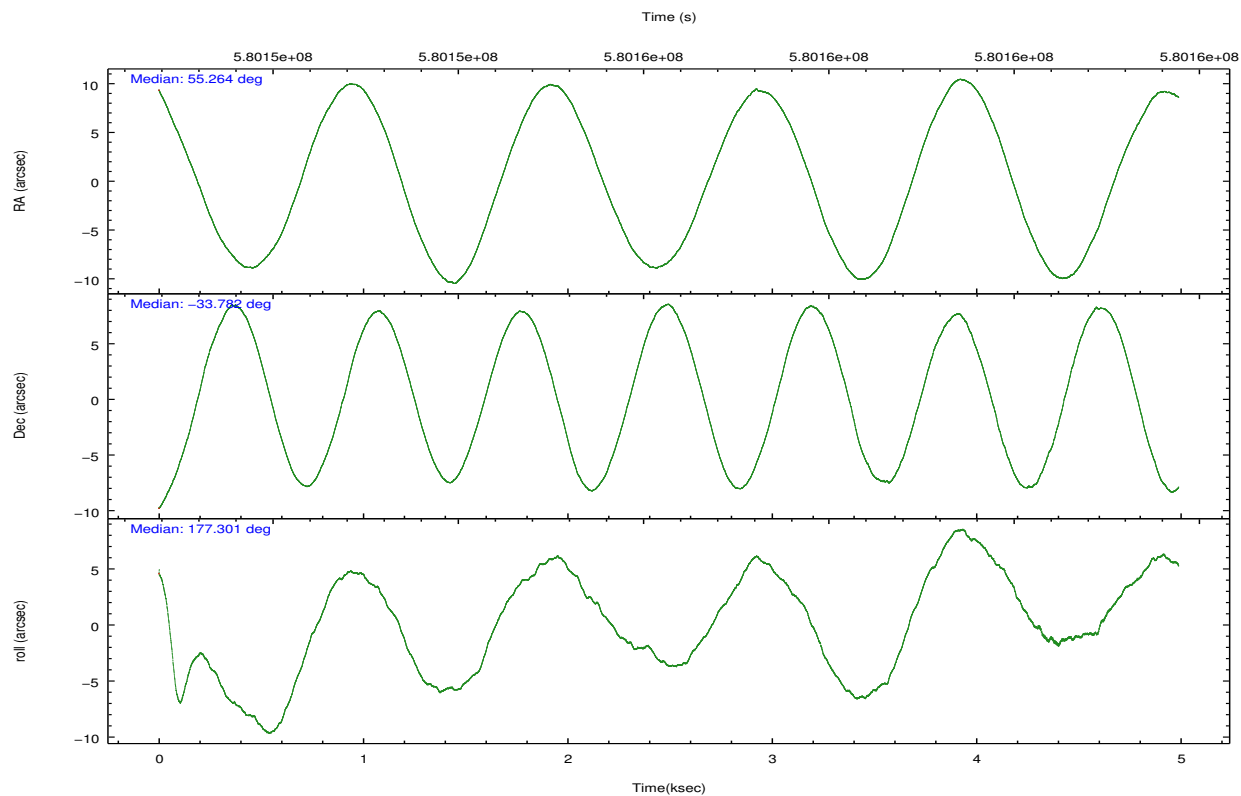
	ccd 6	ccd 7	ccd 8
grade 0 events	1069	1313	3120
	3%	3%	7%
grade 1 events	13	39	32
	0%	0%	0%
grade 2 events	743	3311	2567
	2%	9%	6%
grade 3 events	303	1273	1145
	1%	3%	2%
grade 4 events	323	1297	1024
	1%	3%	2%
grade 5 events	1321	3657	2023
	4%	10%	4%
grade 6 events	772	8466	3012
	2%	23%	7%
grade 7 events	24382	16393	28243
	84%	45%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	55.293104	55.26396104216622	CCD I2 on	N	N
[deg] Pointing Dec	-33.768805	-33.78173884866102	CCD I3 on	N	N
[deg] Pointing Roll	177.169721	177.3101510931462	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)	580152829.184000	580152412.56848	CCD S5 on	N	N
Observation start date	2016-05-20T17:32:41	2016-05-20T17:26:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	580157629.184000	580158226.36882	On-chip summing requested	N	N
Observation end date	2016-05-20T18:52:41	2016-05-20T19:03:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



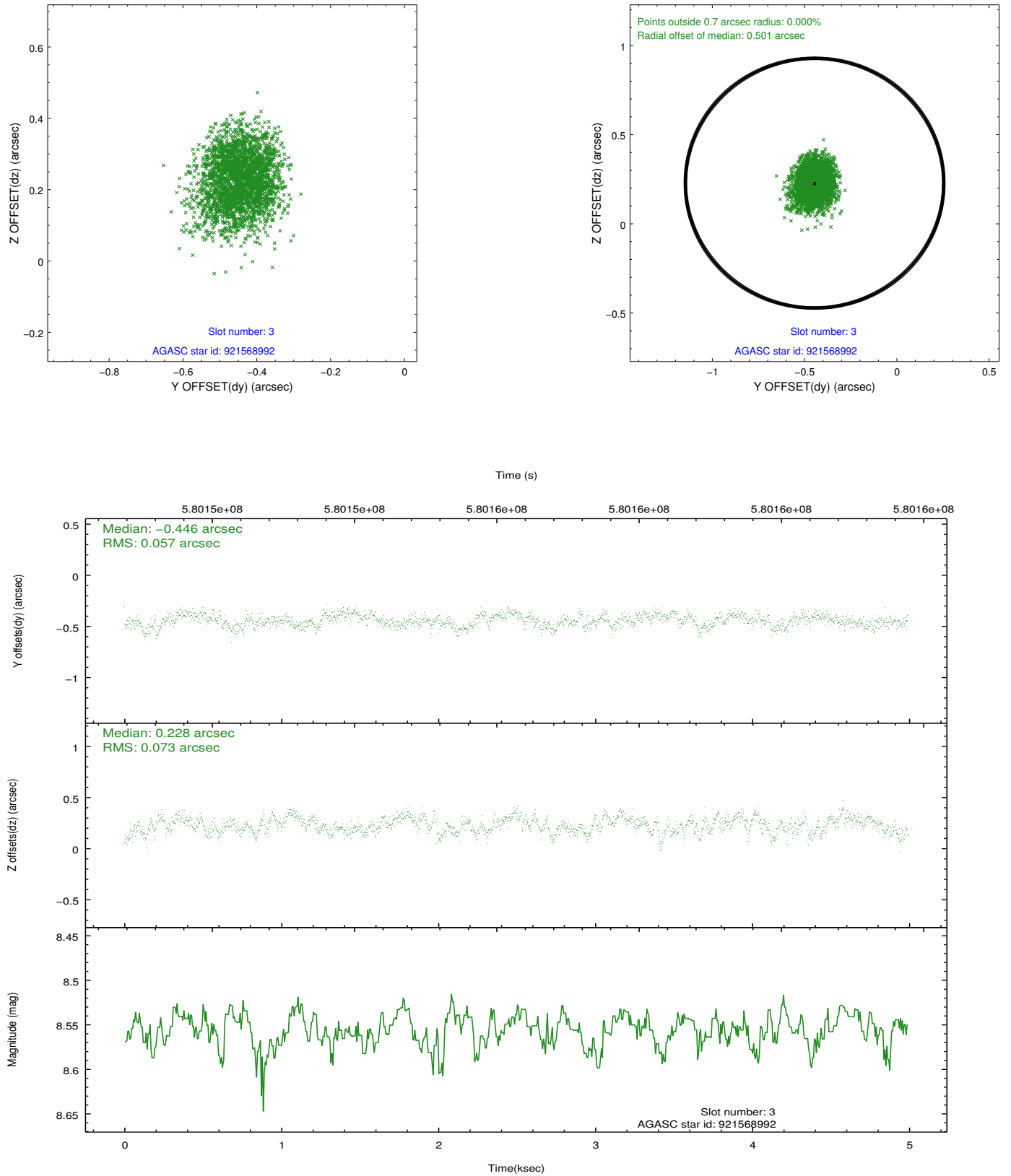


Slot Statistics

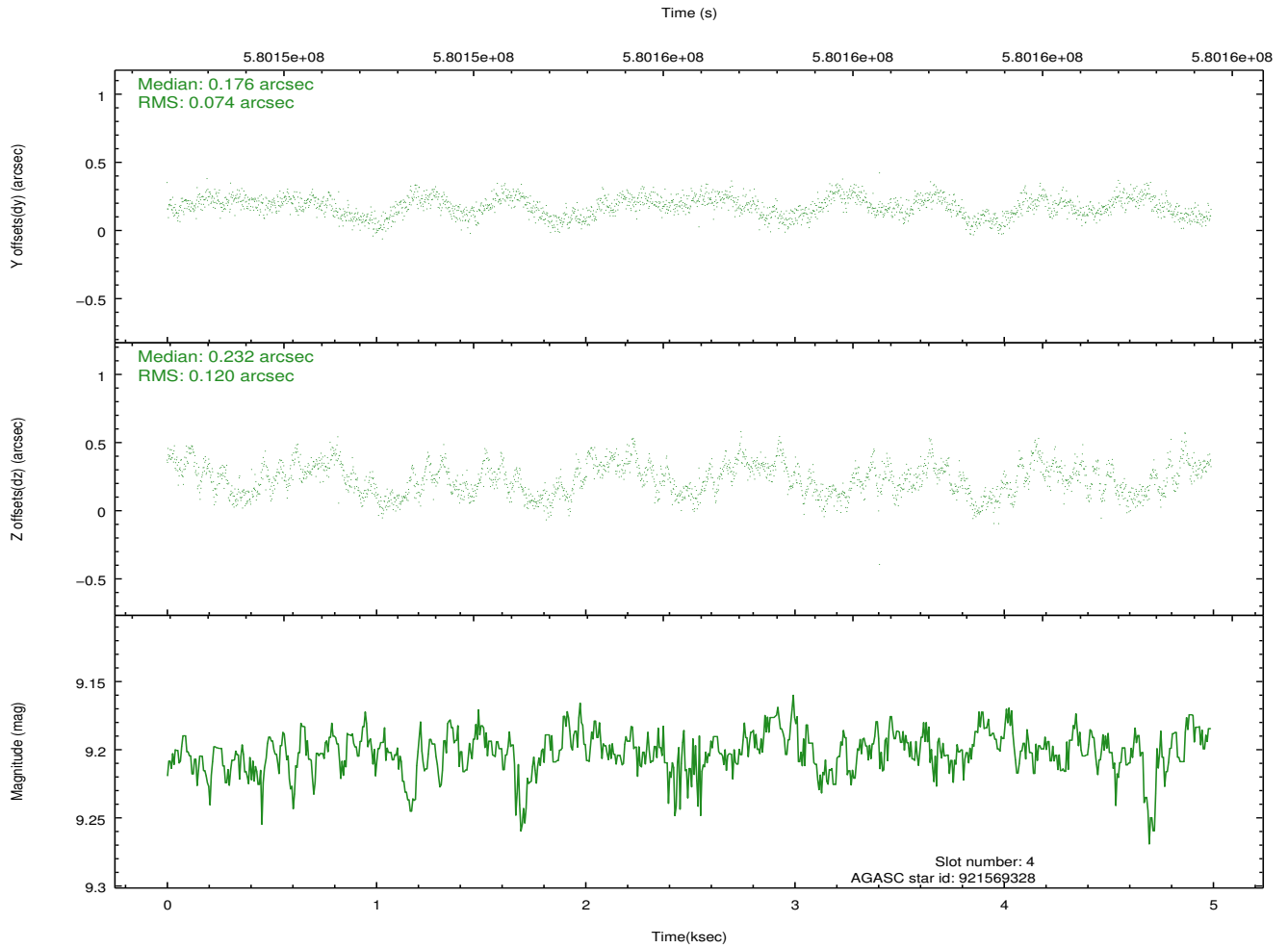
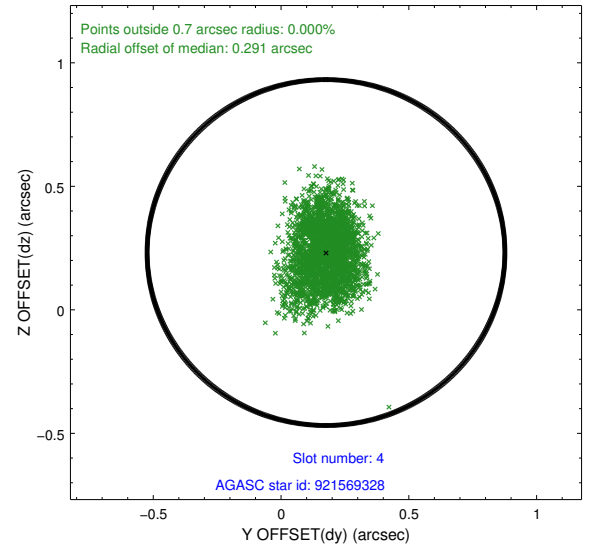
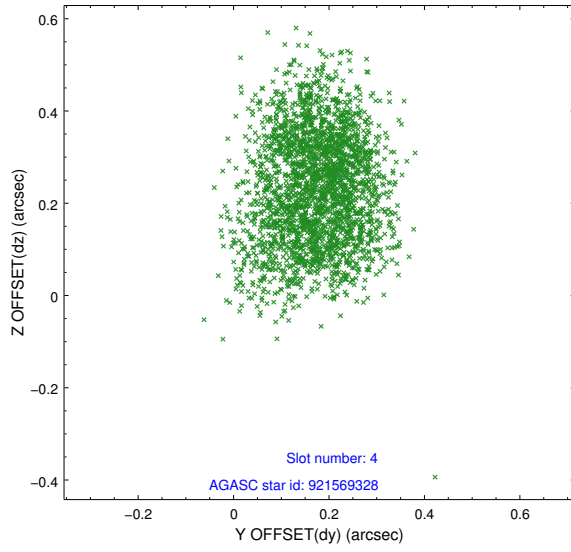
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	1218	-0.125	-0.063	0.007	0.012	0.000000	0.000000	-760.72	-1737.68
1	FID		ACIS-S-4	7.22	1218	0.325	0.077	0.010	0.018	0.000000	0.000000	2152.42	169.73
2	FID		ACIS-S-5	7.23	1218	-0.230	-0.005	0.009	0.017	0.000000	0.000000	-1812.13	164.63
3	GUIDE	used	921568992	8.56	2431	-0.446	0.228	0.100	0.158	55.866172	-33.502259	-1671.25	-1038.23
4	GUIDE	used	921569328	9.20	2429	0.176	0.232	0.150	0.237	55.887232	-33.156887	-1680.16	-2283.78
5	GUIDE	used	921571656	8.65	2434	0.220	0.075	0.100	0.159	55.415779	-33.392210	-302.02	-1372.42
6	GUIDE	used	921573784	9.13	2435	0.029	-0.143	0.115	0.191	56.011369	-34.058032	-2191.74	940.84
7	GUIDE	used	921575640	8.74	2431	0.022	-0.390	0.116	0.184	55.538153	-34.421095	-844.01	2310.58

2.4 Star Slots

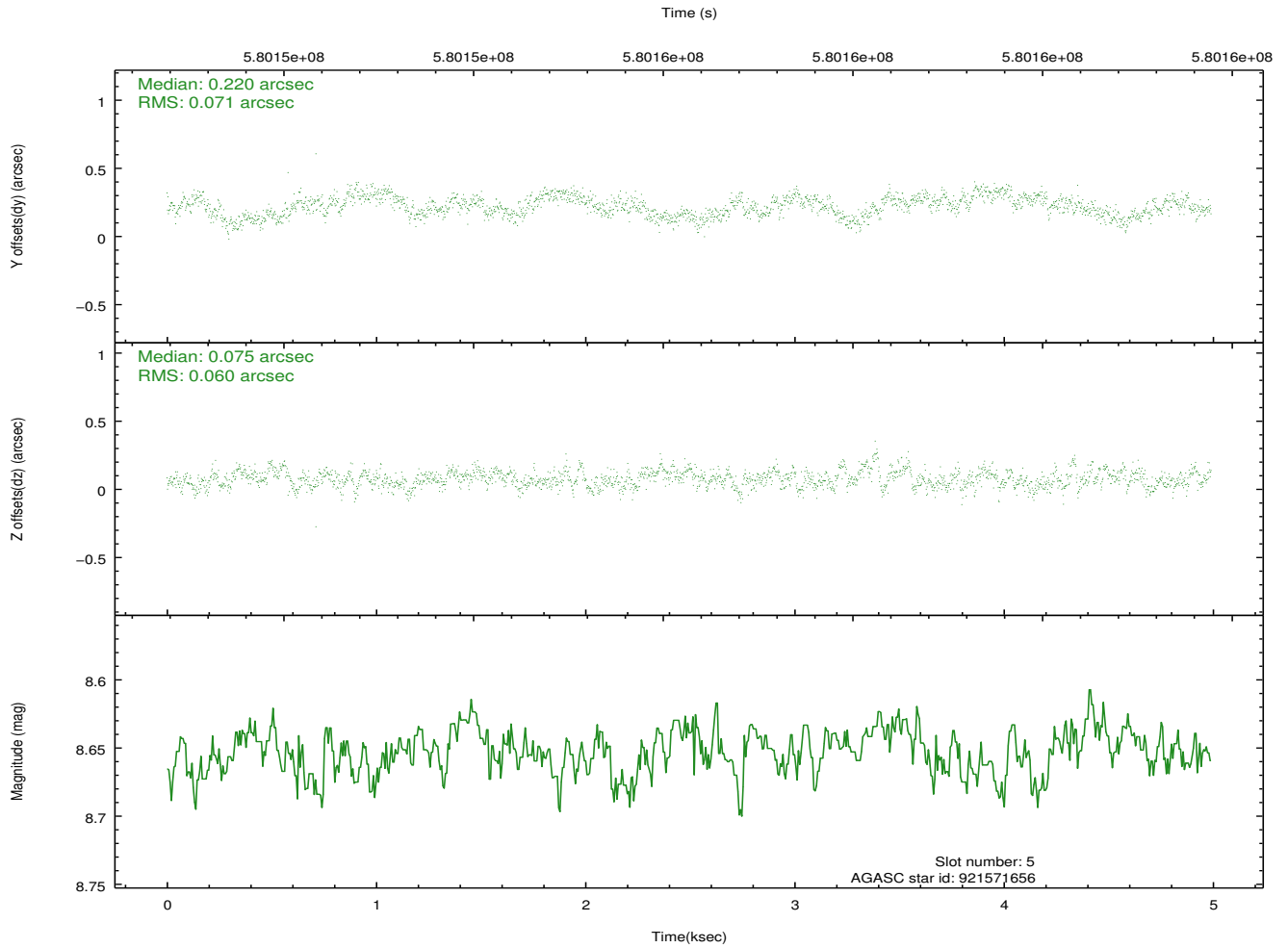
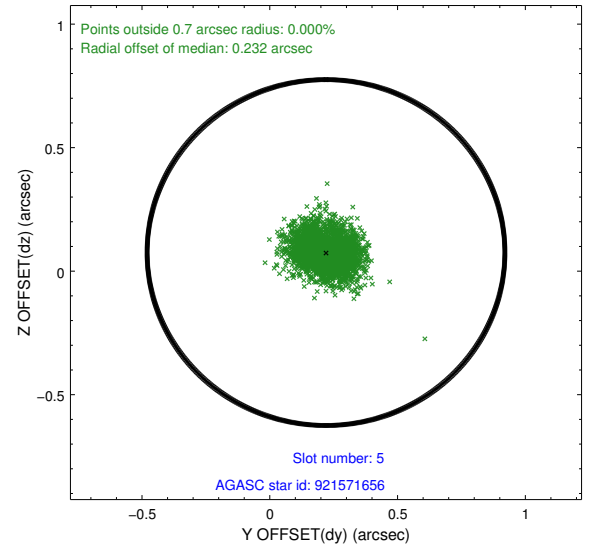
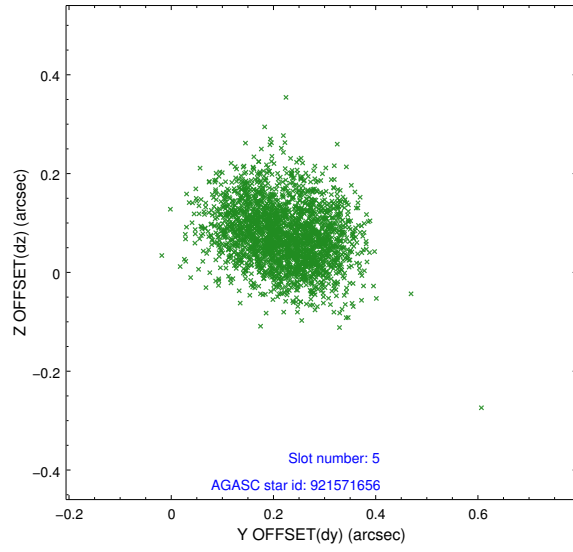
2.4.1 Slot 3



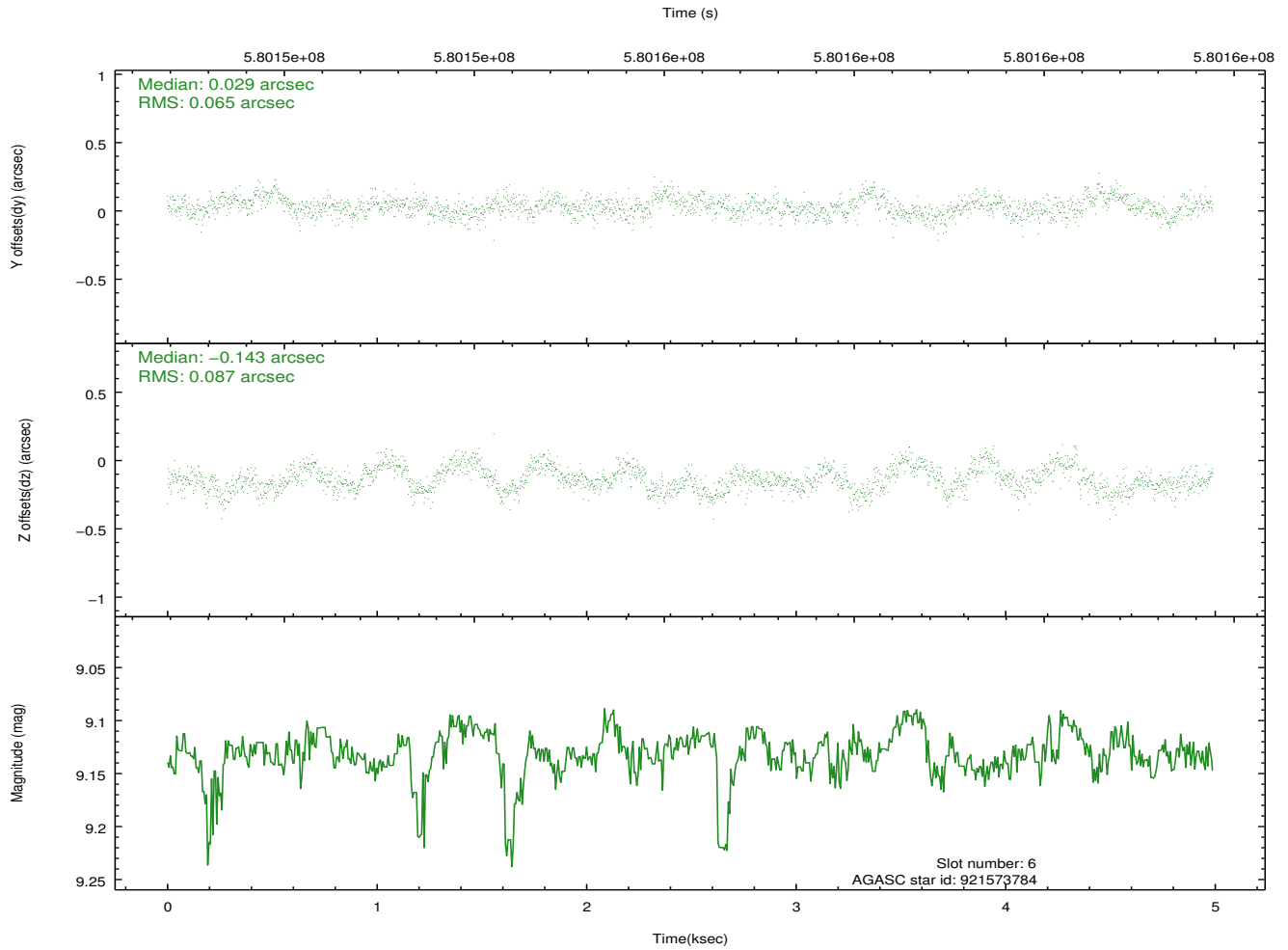
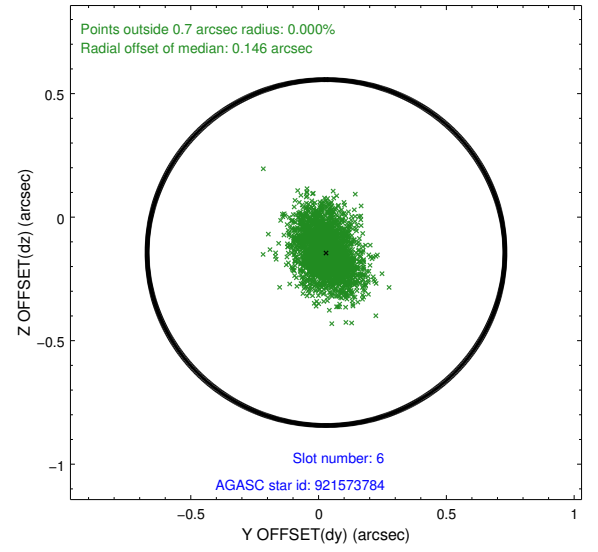
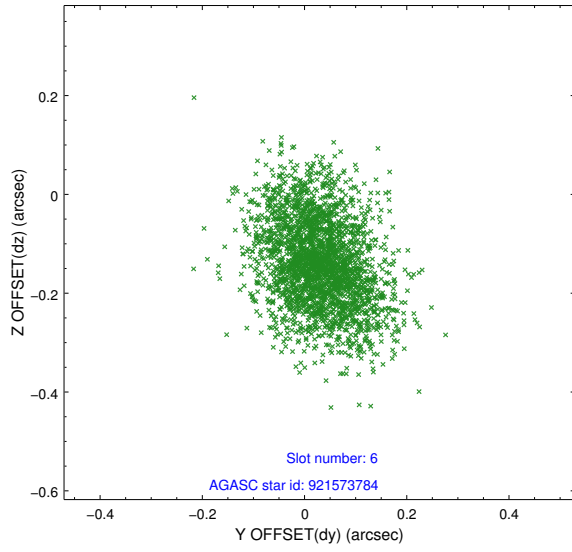
2.4.2 Slot 4



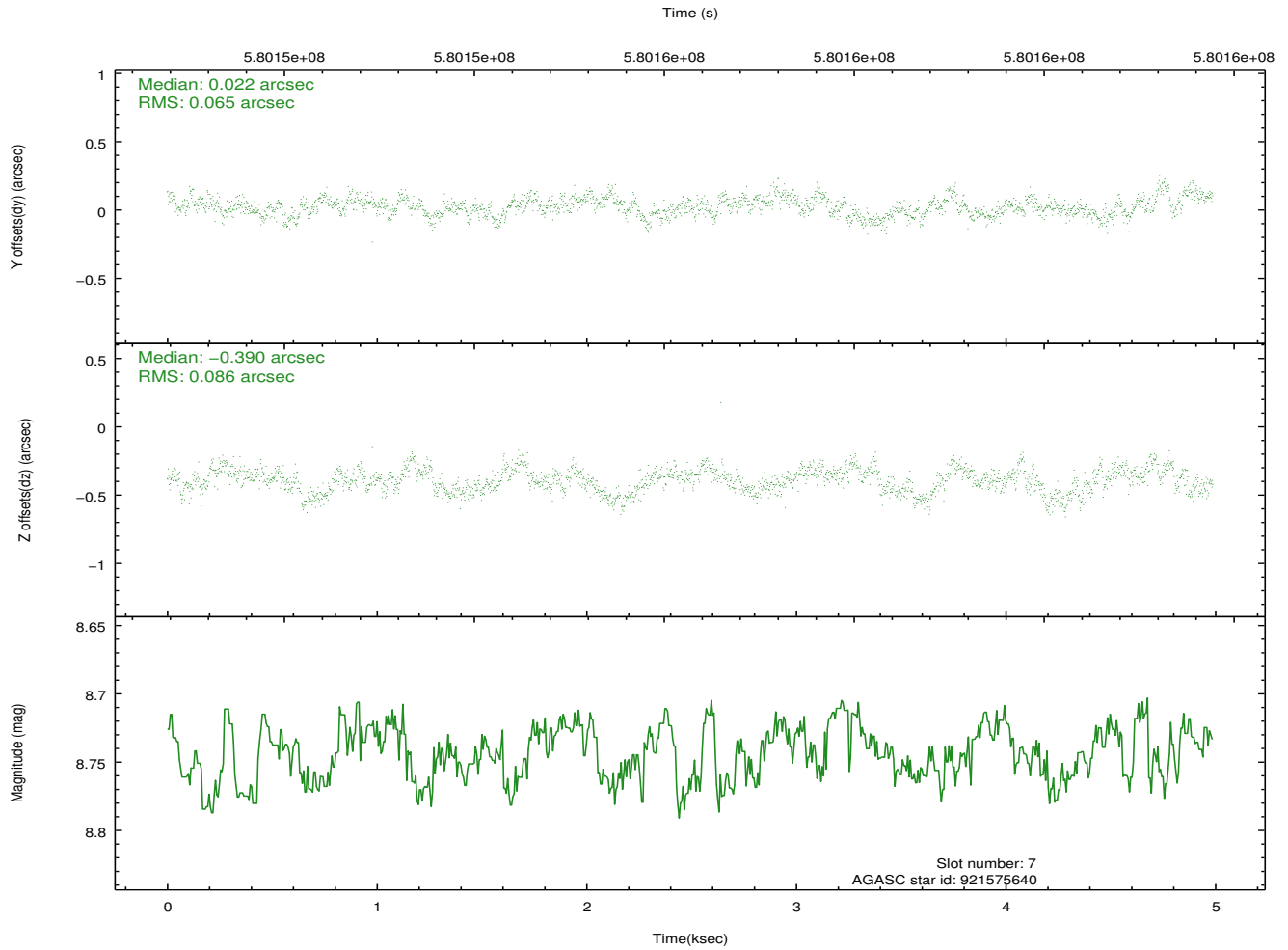
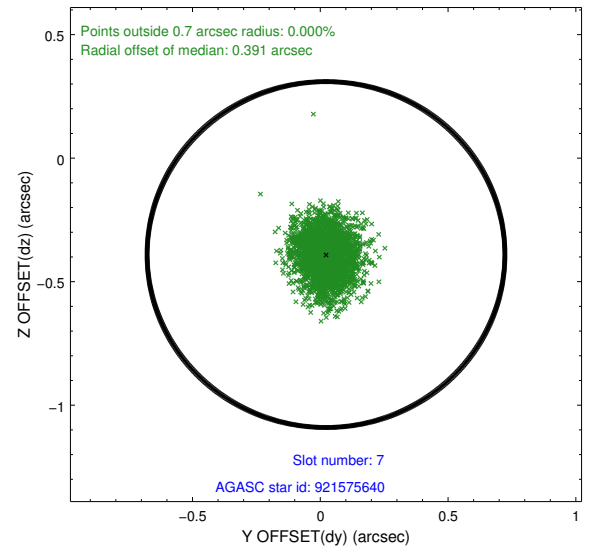
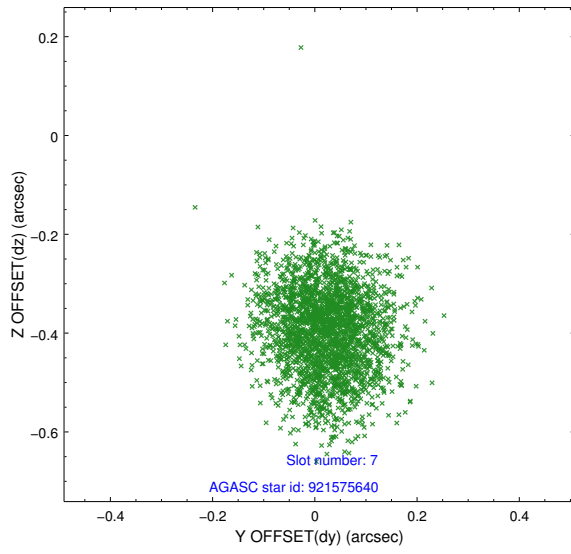
2.4.3 Slot 5



2.4.4 Slot 6

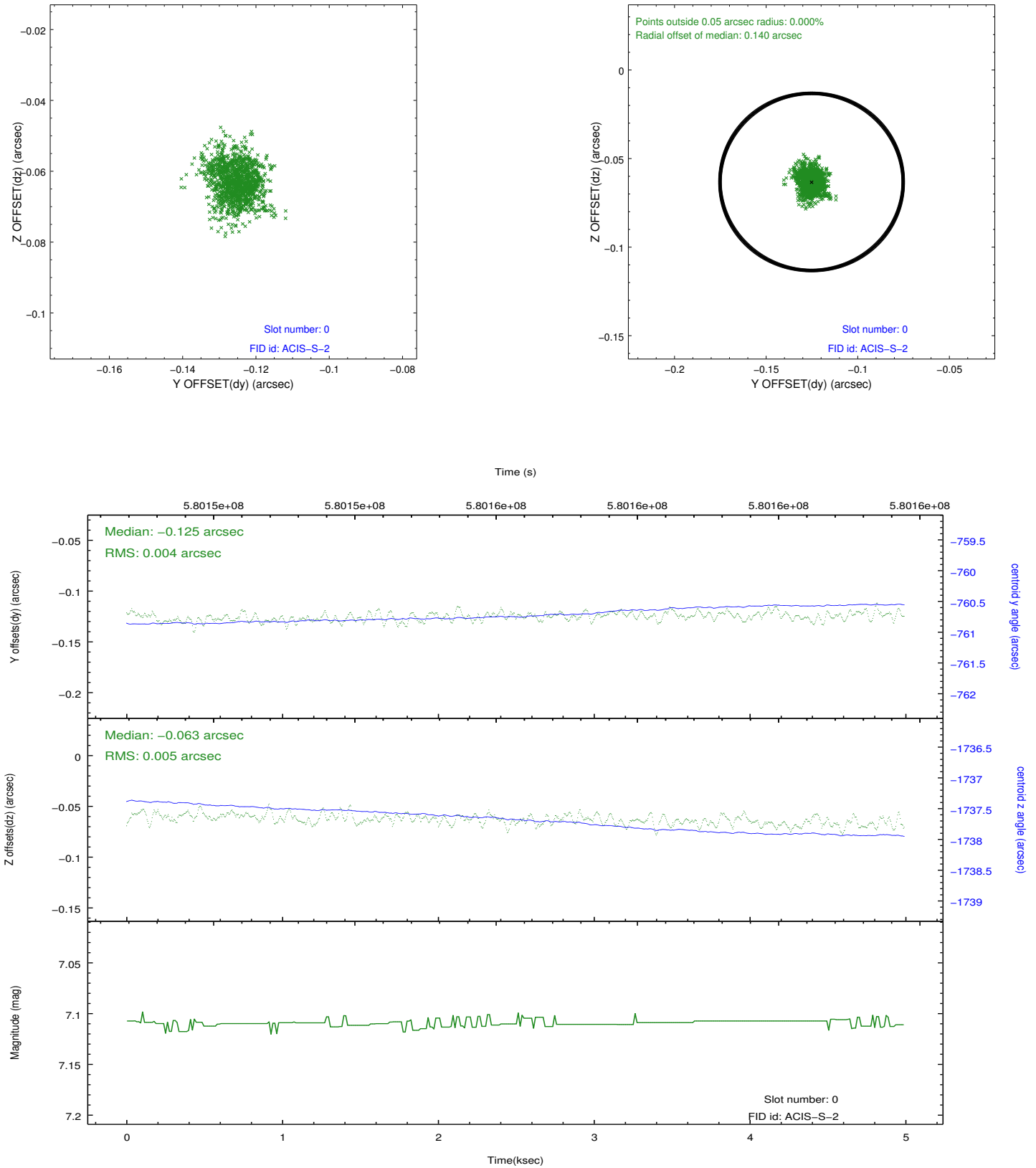


2.4.5 Slot 7

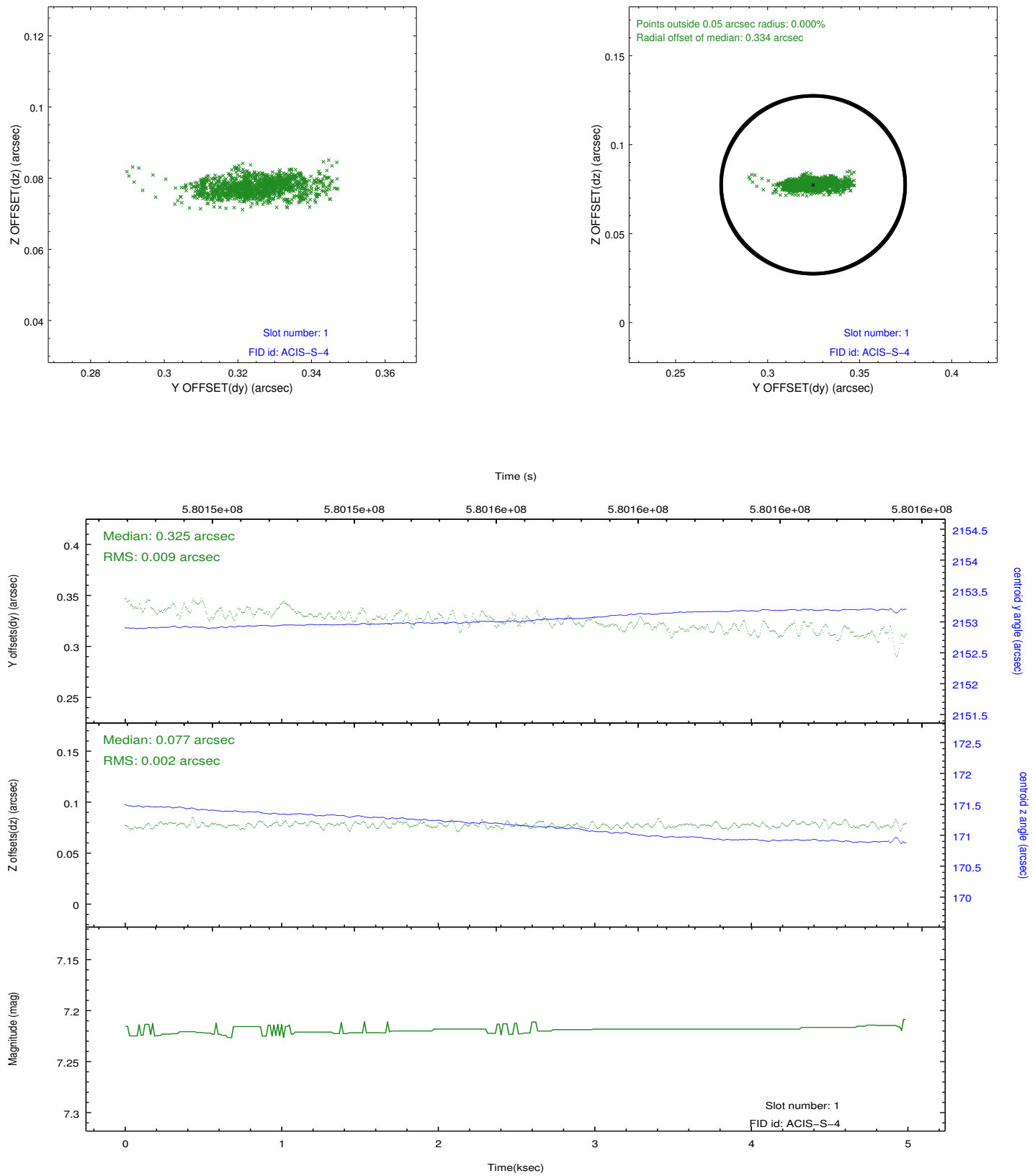


2.5 FID Slots

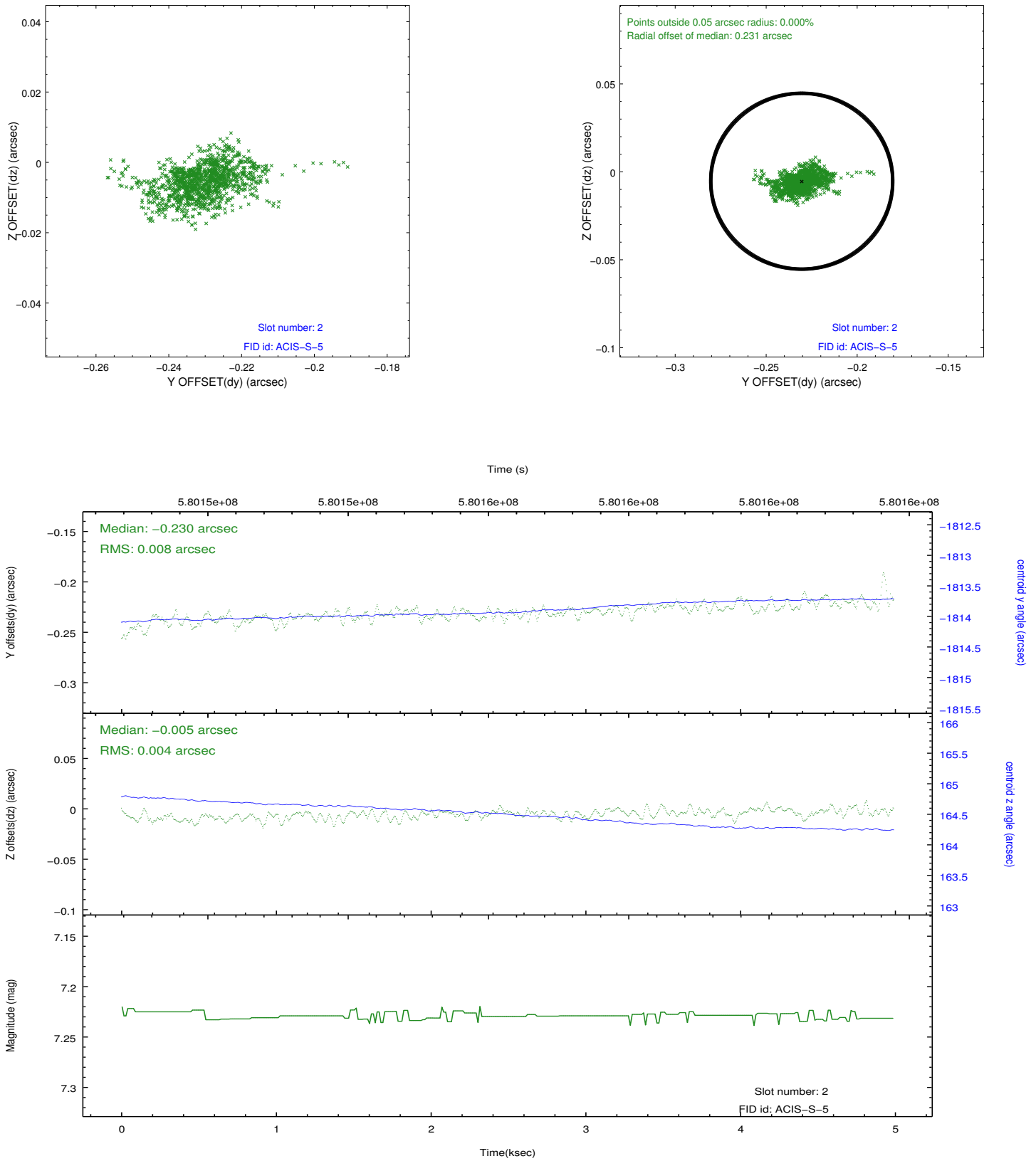
2.5.1 Slot 0



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)	2016.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6060251920223

A.2 Comments