

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17471 - L2 Version 1
Chandra X-Ray Center

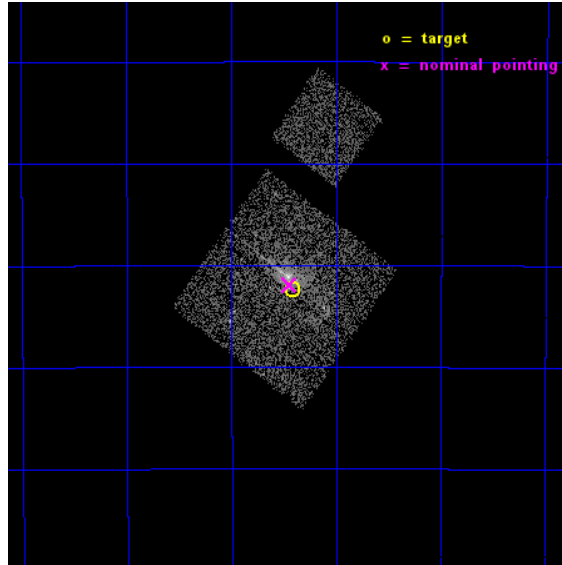
L2 Processing Date : Mar 14 2015

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1 Front

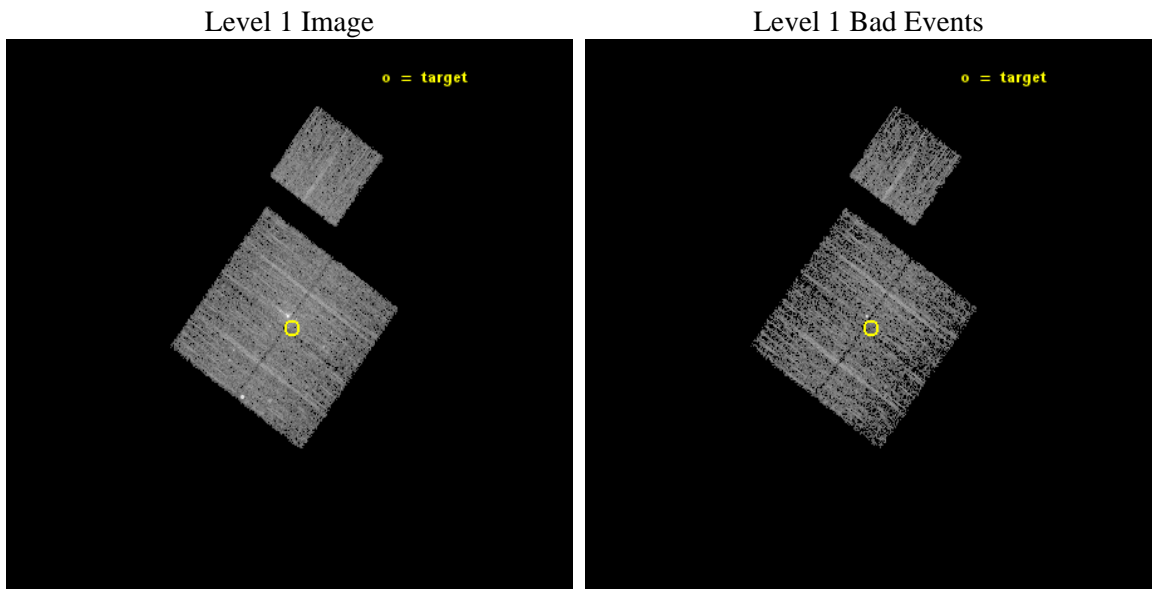
seq_num	703148	Sequence number
obs_id	17471	Observation id
title	Ongoing Monitoring of the Cen A jet and ULX population	Proposal ti
observer	Dr. Stephen Murray	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.35412	Observer's specified target RA [deg]
dec_targ	-43.040237	Observer's specified target Dec [deg]
ra_nom	201.36193518539	Nominal RA [deg]
dec_nom	-43.031968467157	Nominal Dec [deg]
roll_nom	36.311923173549	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5080.1410009861	Sum of GTIs [s]
livetime	5013.7652188628	Livetime [s]
ontime0	5080.0178810358	Sum of GTIs [s]
ontime1	5080.0589209795	Sum of GTIs [s]
ontime2	5080.0999610424	Sum of GTIs [s]
ontime3	5080.1410009861	Sum of GTIs [s]
ontime6	5079.9768409729	Sum of GTIs [s]
l2events	18393	Number of level 2 events



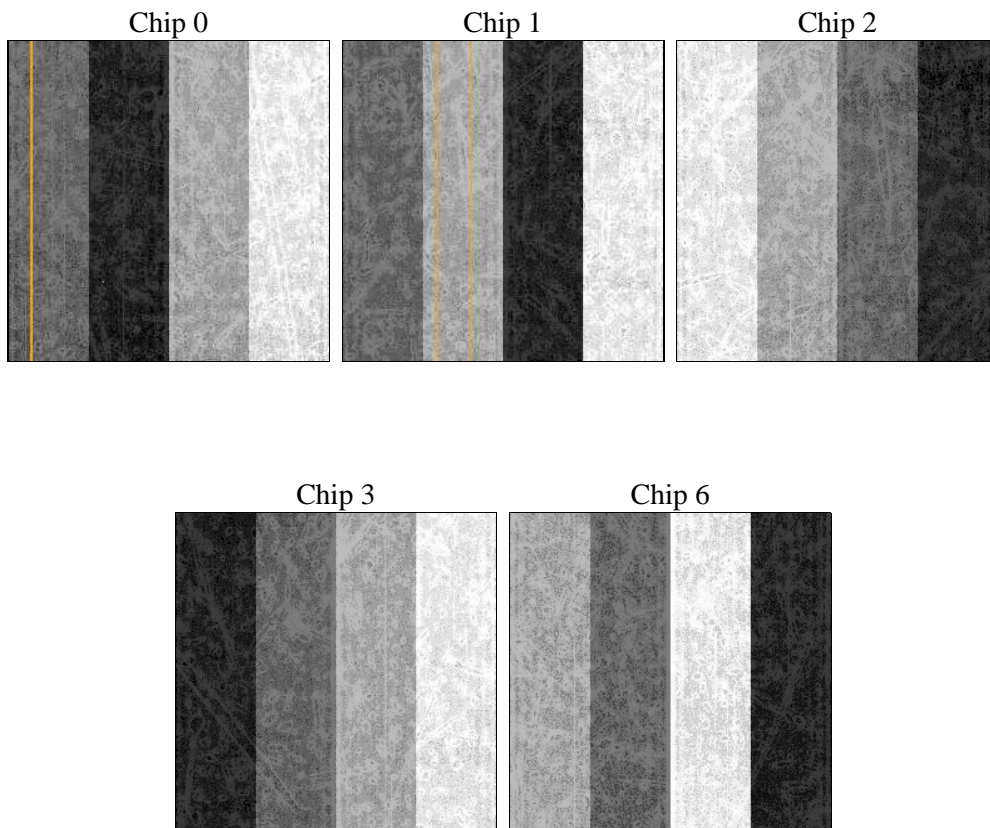
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	5080.1410009861	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	5080.0178810358	Sum of GTIs [s]
date	2015-03-14T15:47:54	Date and time of file creation	ontime1	5080.0589209795	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5080.0999610424	Sum of GTIs [s]
			ontime3	5080.1410009861	Sum of GTIs [s]
			ontime6	5079.9768409729	Sum of GTIs [s]
			l1events	126526	Number of level 1 events

2.1.4 Events

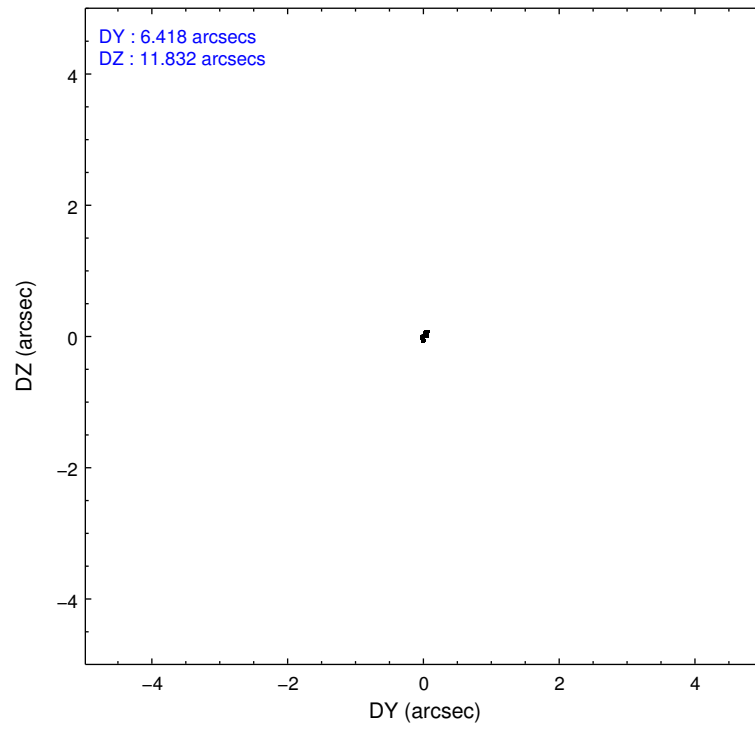
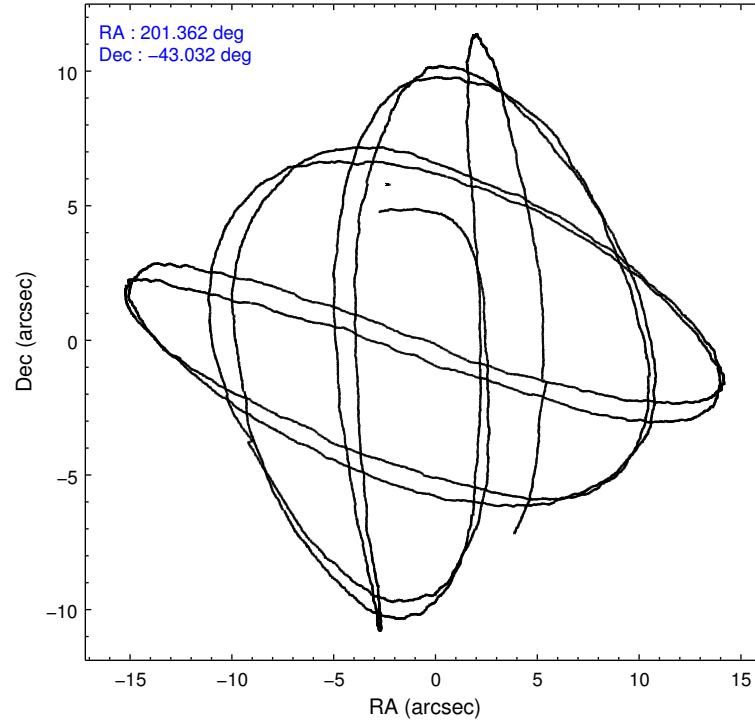
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	24024	24345	28643	24759	24755
rejected events	20352	19121	21840	20605	21818
rejected %	84%	78%	76%	83%	88%

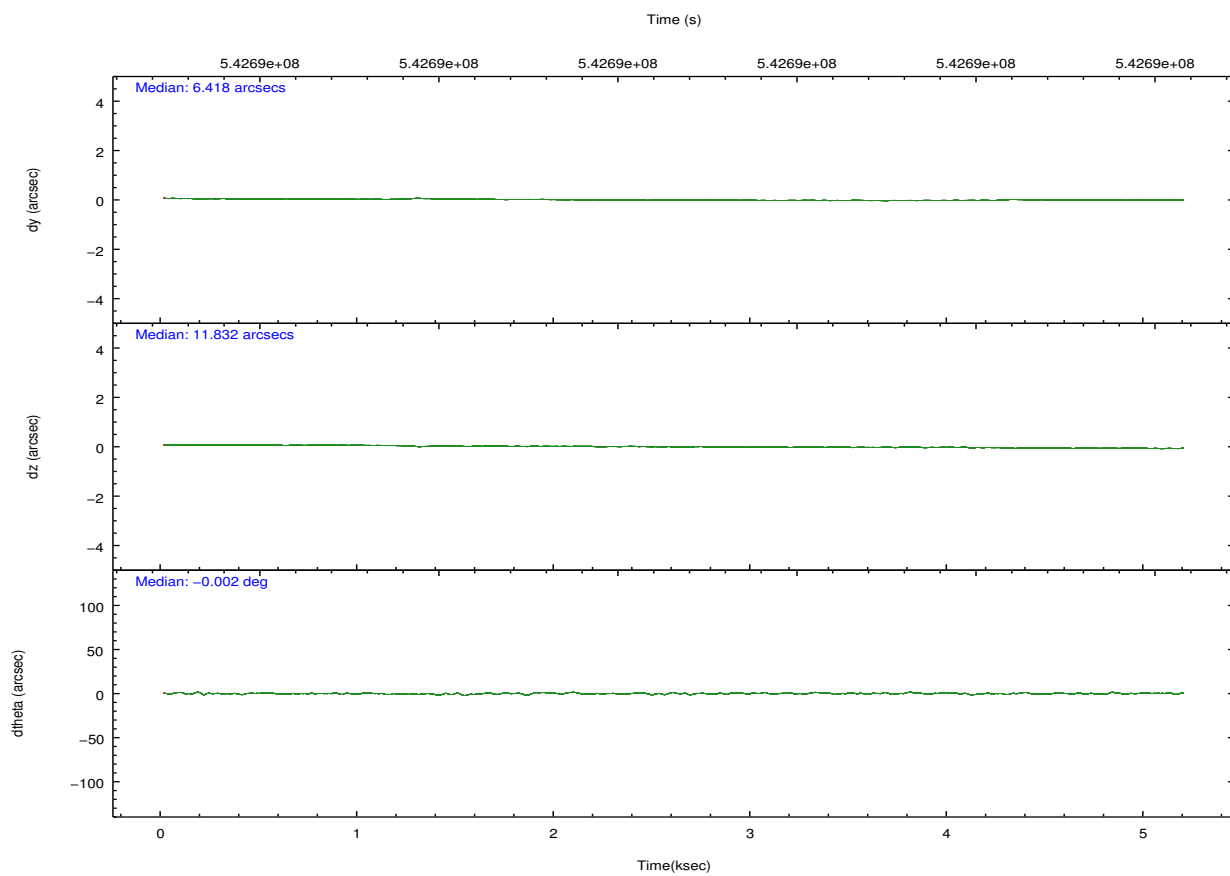
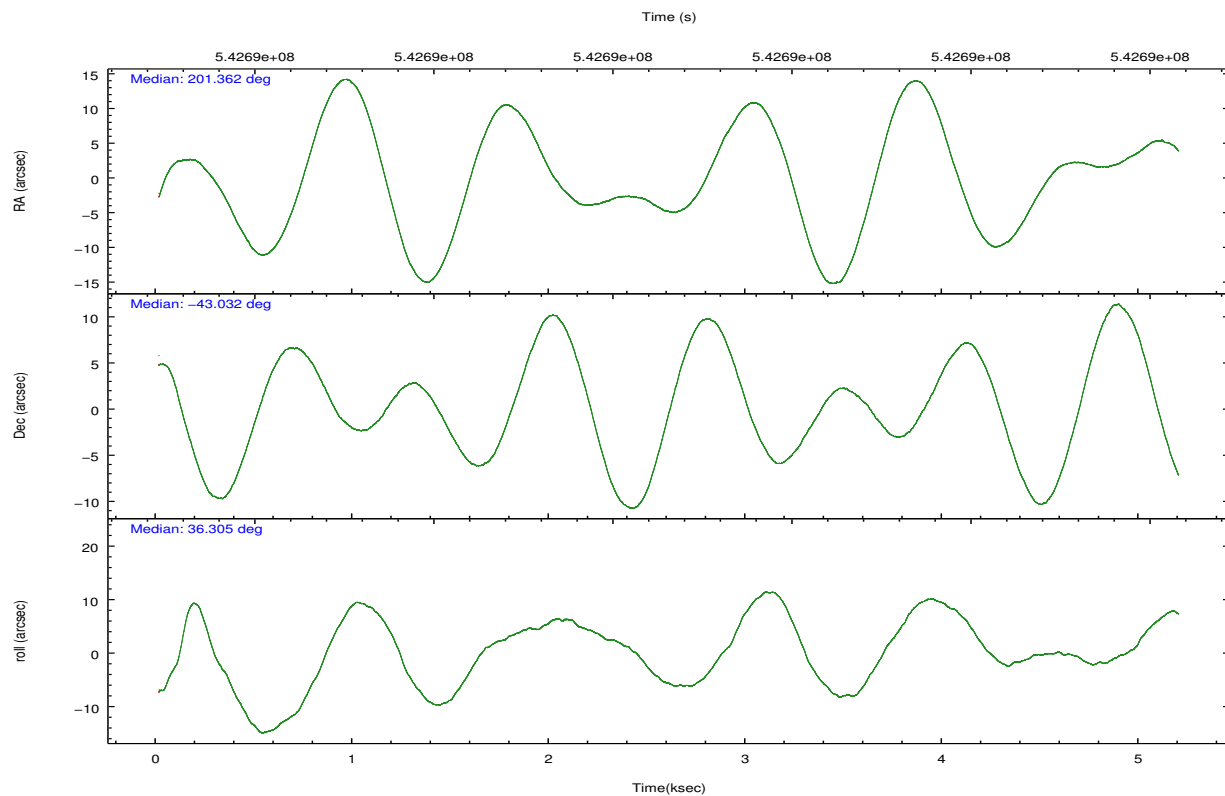
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1595	3134	3815	2154	1007
	6%	12%	13%	8%	4%
grade 1 events	18	20	128	18	14
	0%	0%	0%	0%	0%
grade 2 events	789	780	1154	713	692
	3%	3%	4%	2%	2%
grade 3 events	333	287	483	338	293
	1%	1%	1%	1%	1%
grade 4 events	298	305	463	357	270
	1%	1%	1%	1%	1%
grade 5 events	1092	1089	1241	1238	1262
	4%	4%	4%	5%	5%
grade 6 events	659	726	892	596	679
	2%	2%	3%	2%	2%
grade 7 events	19240	18004	20467	19345	20538
	80%	73%	71%	78%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	201.346869	201.361935185392	CCD I2 on	Y	Y
[deg] Pointing Dec	-43.057301	-43.03196846715673	CCD I3 on	Y	Y
[deg] Pointing Roll	36.092957	36.31192317354918	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	542686929.184000	542685973.19994	CCD S5 on	N	N
Observation start date	2015-03-14T02:21:02	2015-03-14T02:06:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	542691929.184000	542692679.26281	On-chip summing requested	N	N
Observation end date	2015-03-14T03:44:22	2015-03-14T03:57:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



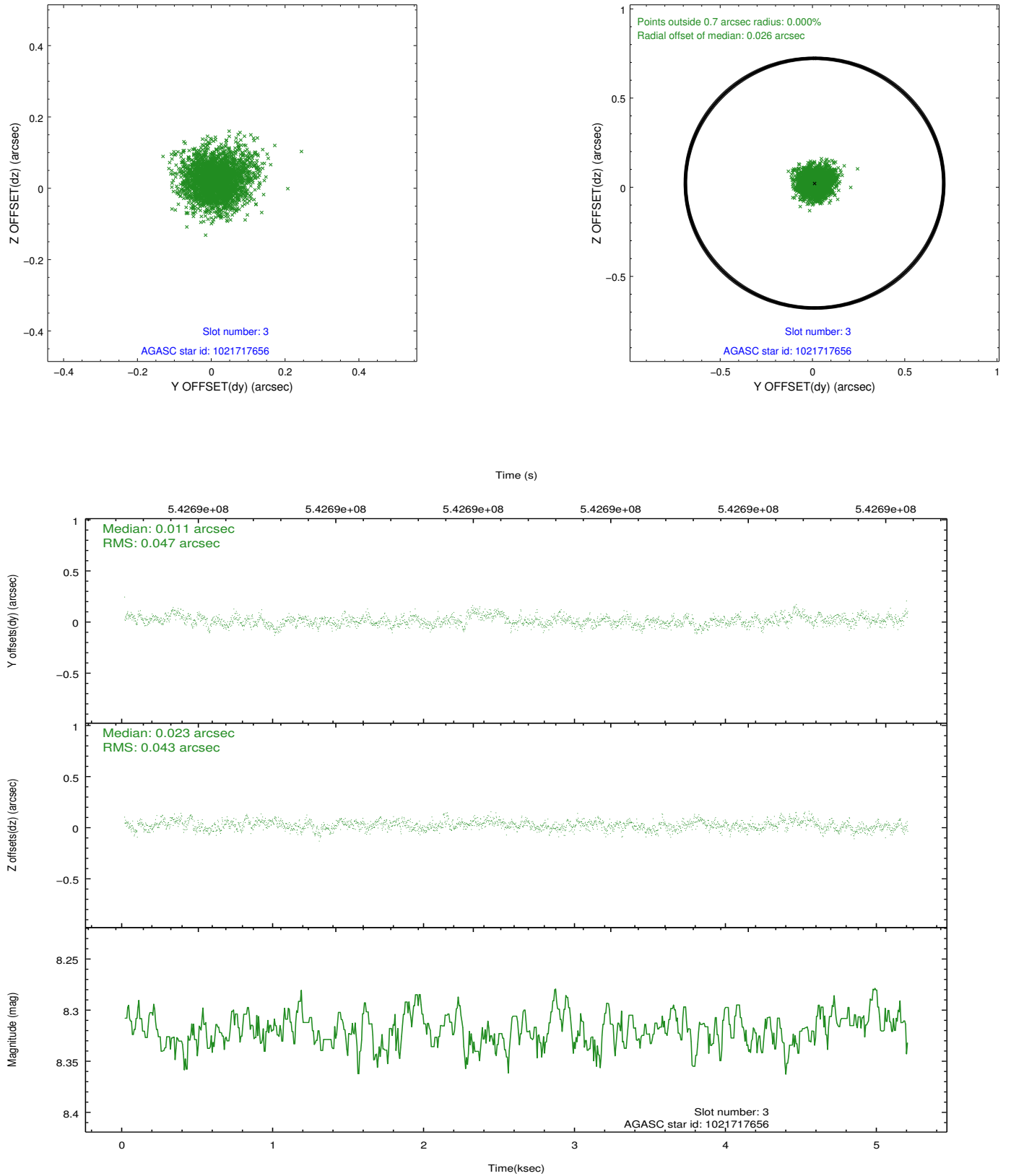


Slot Statistics

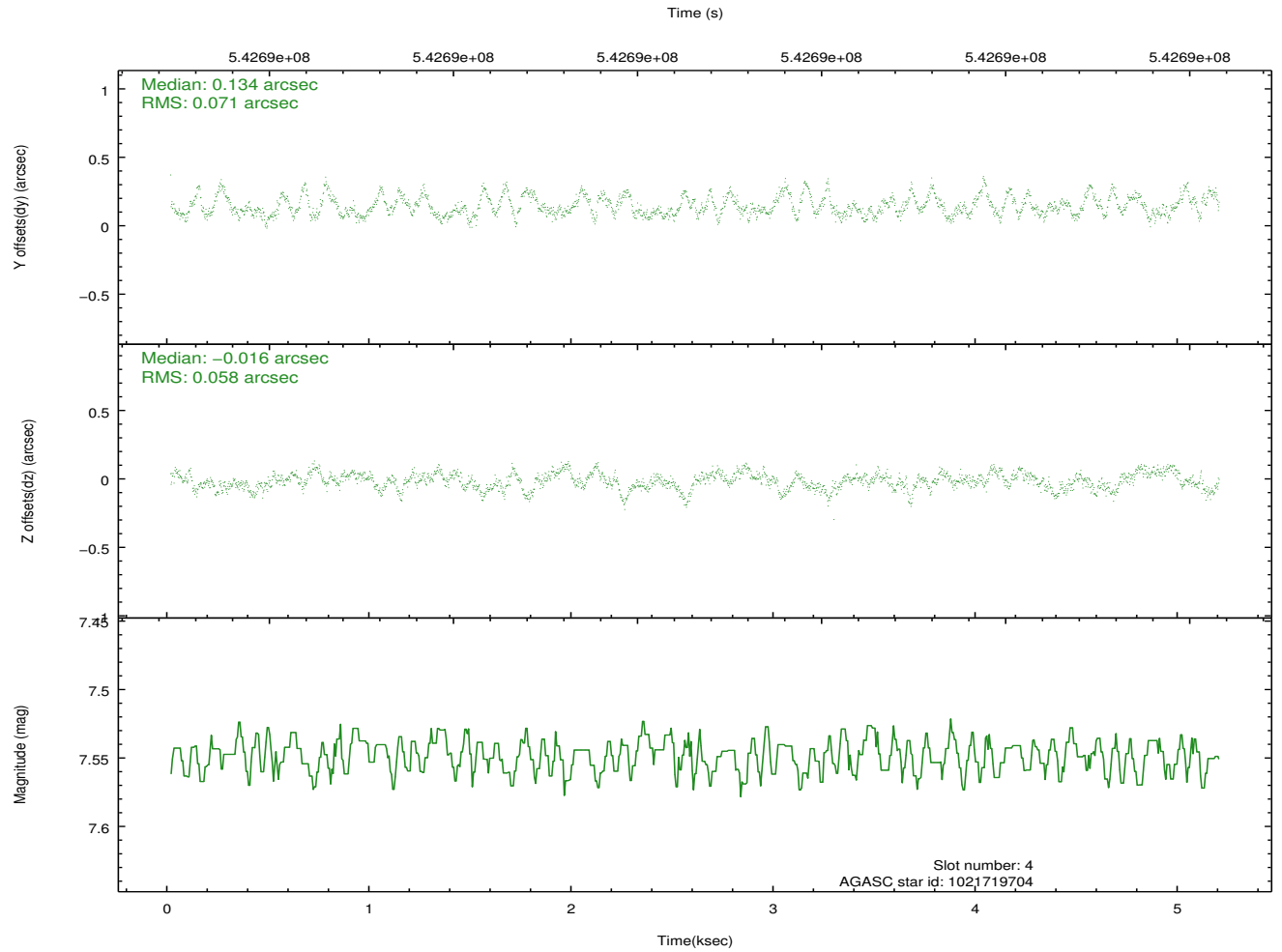
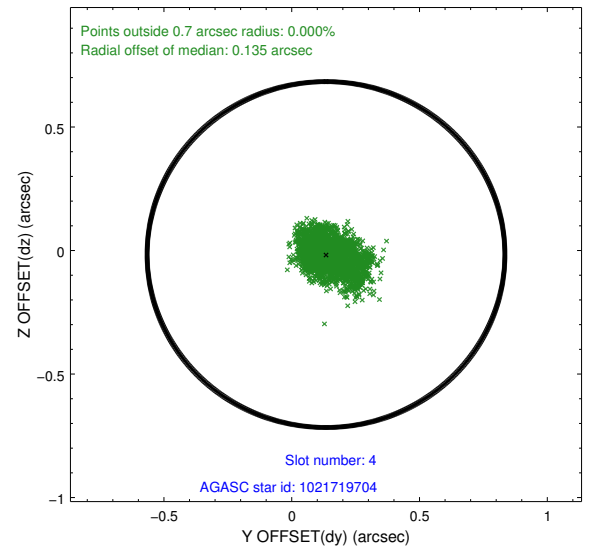
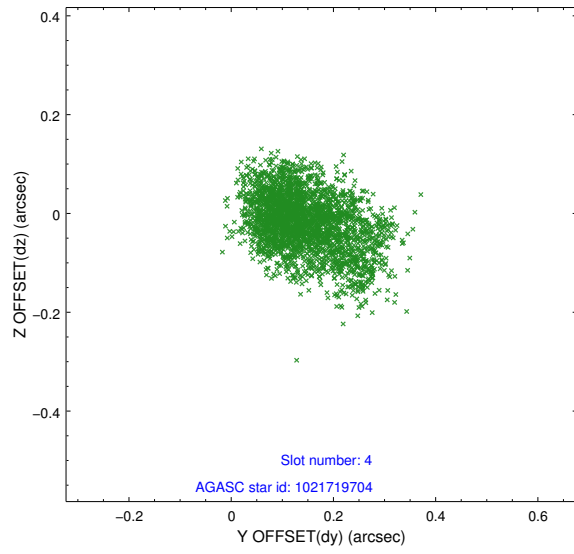
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.12	1266	-0.080	-0.139	0.009	0.017	0.000000	0.000000	-760.99	-841.85
1	FID		ACIS-I-4	7.15	1266	0.207	0.087	0.006	0.010	0.000000	0.000000	2152.84	1063.94
2	FID		ACIS-I-5	7.19	1266	-0.228	0.121	0.009	0.015	0.000000	0.000000	-1813.45	1063.18
3	GUIDE	used	1021717656	8.32	2532	0.011	0.023	0.067	0.111	201.139642	-43.082878	-494.71	246.17
4	GUIDE	used	1021719704	7.55	2531	0.134	-0.016	0.095	0.164	200.511976	-43.050426	-1766.54	1304.84
5	GUIDE	used	1021721304	9.65	2530	-0.108	-0.099	0.133	0.219	201.117326	-42.480412	729.68	2037.22
6	GUIDE	used	1021721672	9.52	2532	-0.037	0.107	0.182	0.286	201.740358	-43.079729	787.49	-675.54
7	GUIDE	used	1022235840	9.42	2530	-0.033	-0.012	0.168	0.312	201.679306	-43.544276	-332.06	-1929.21

2.4 Star Slots

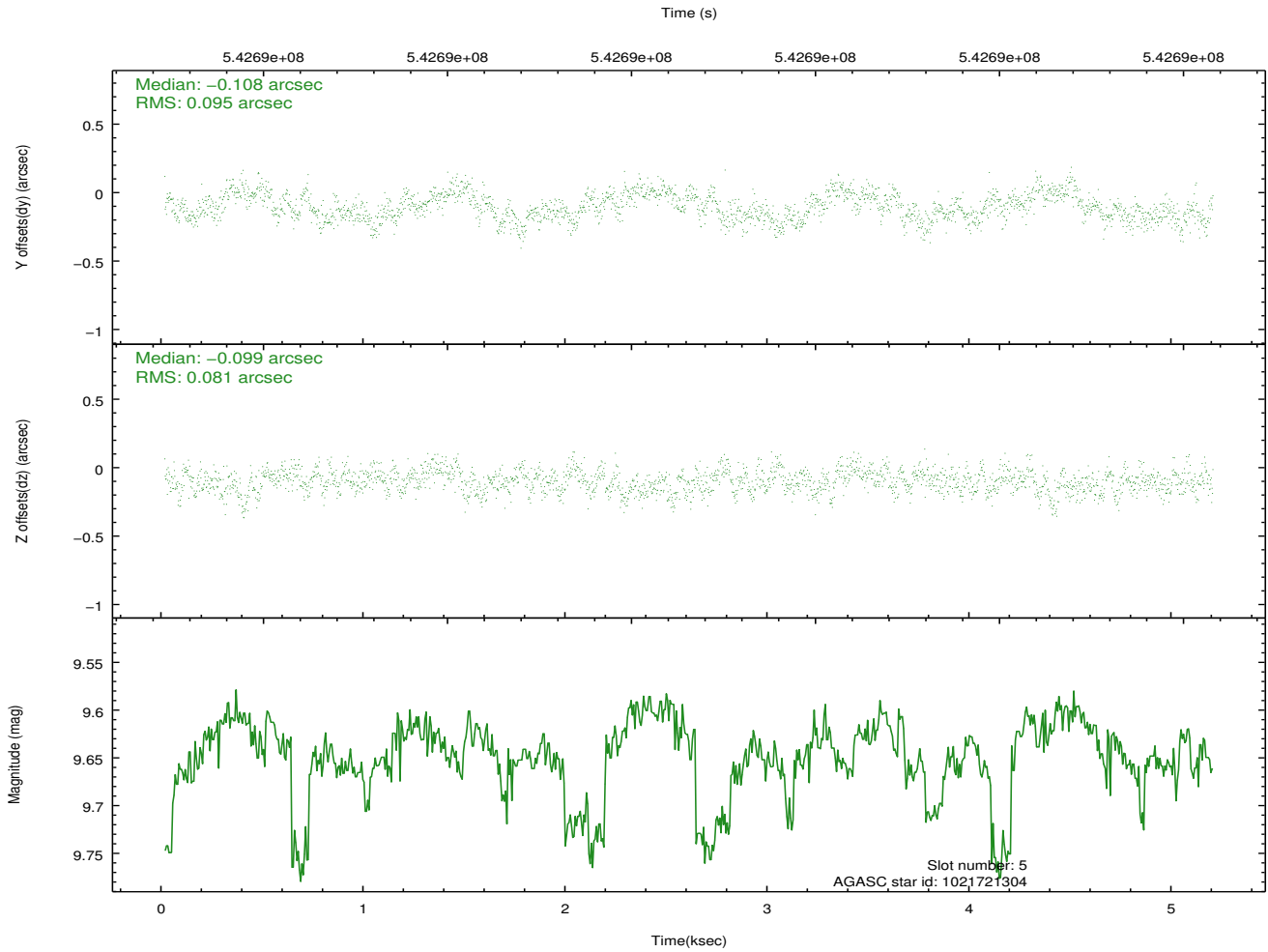
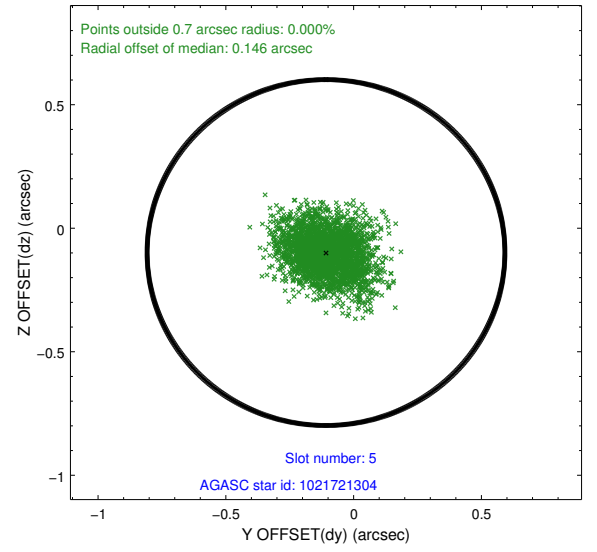
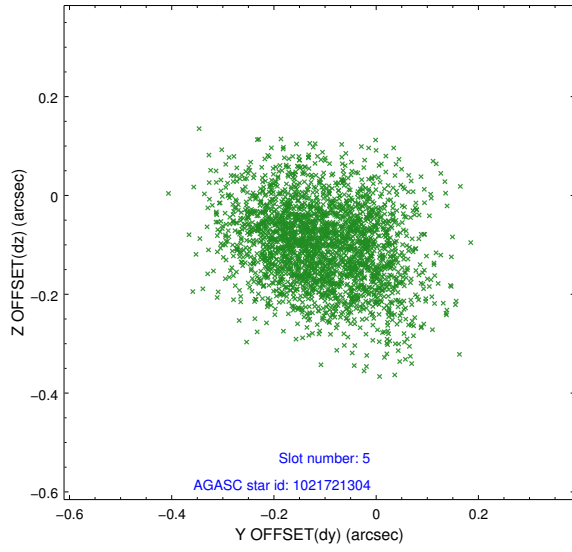
2.4.1 Slot 3



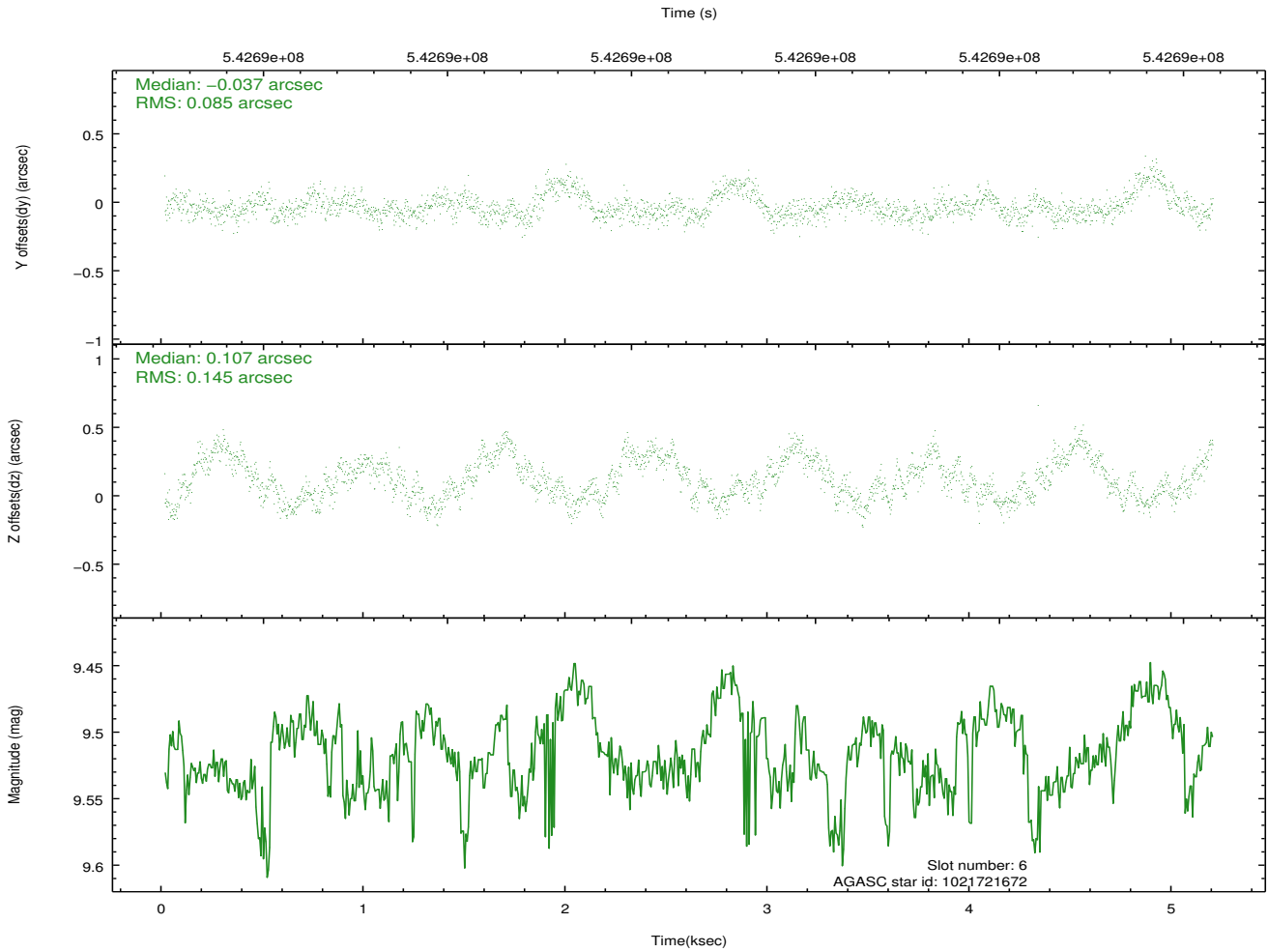
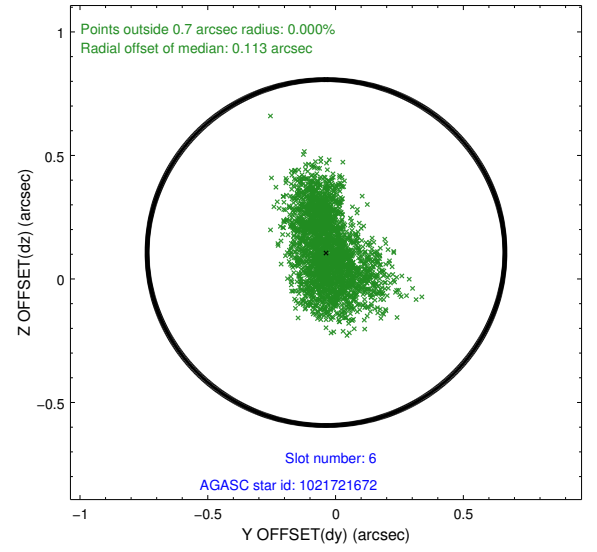
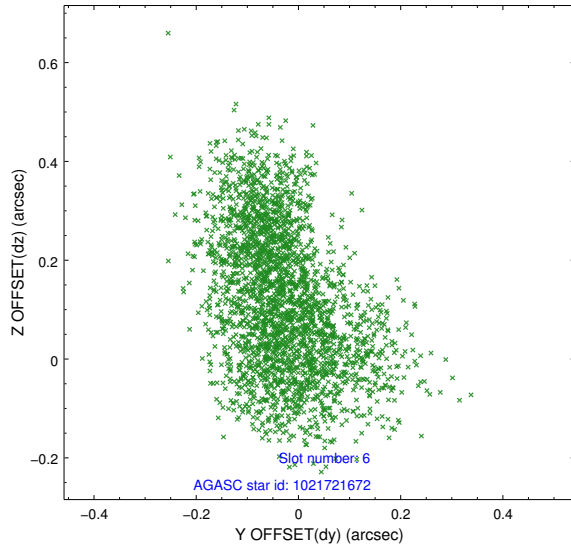
2.4.2 Slot 4



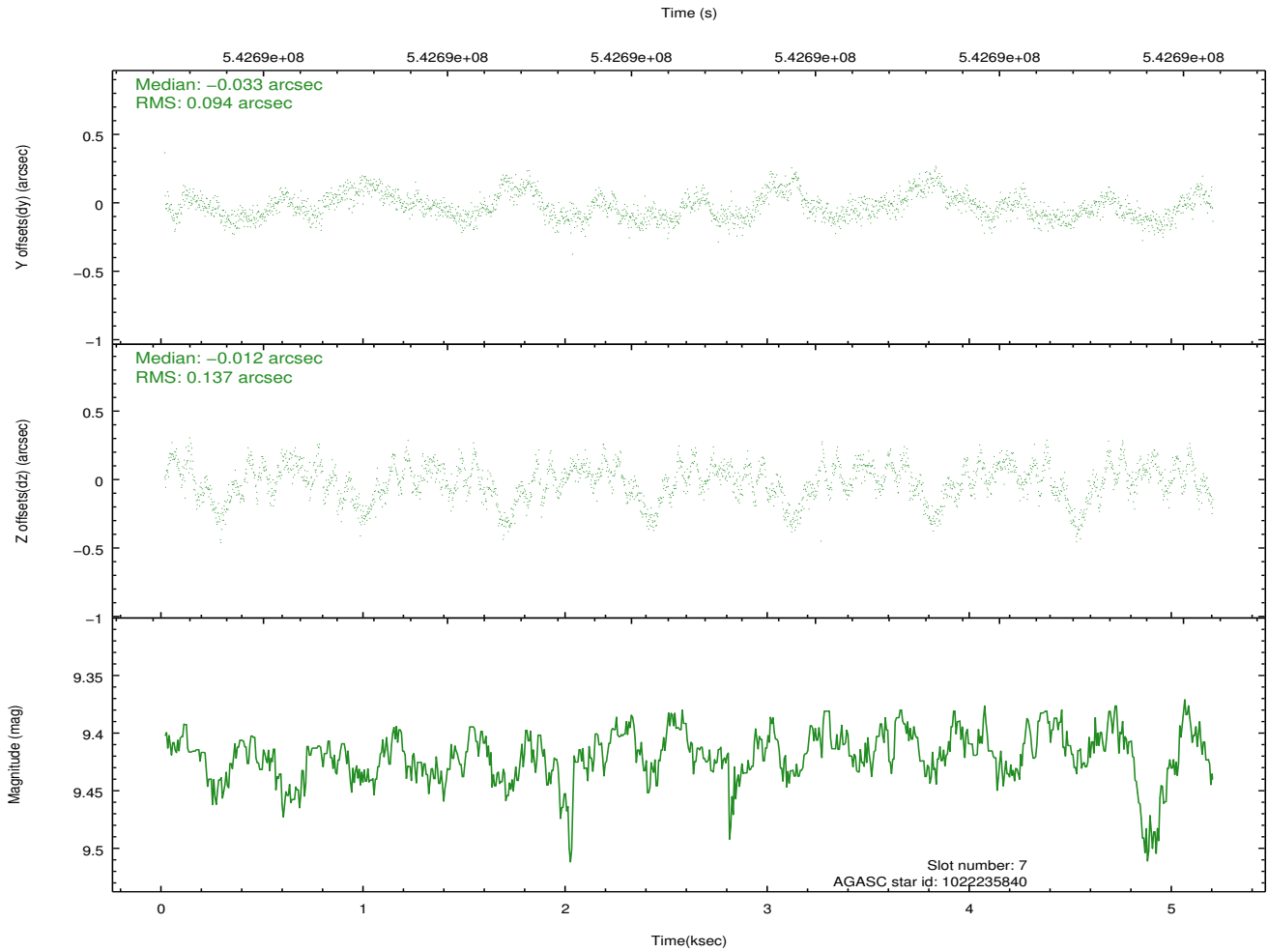
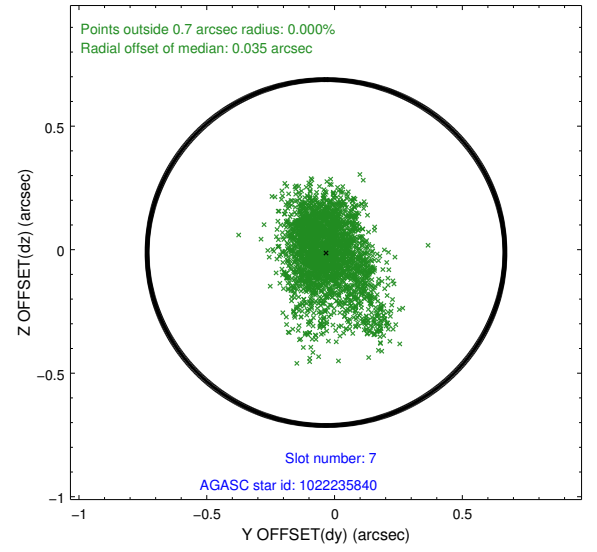
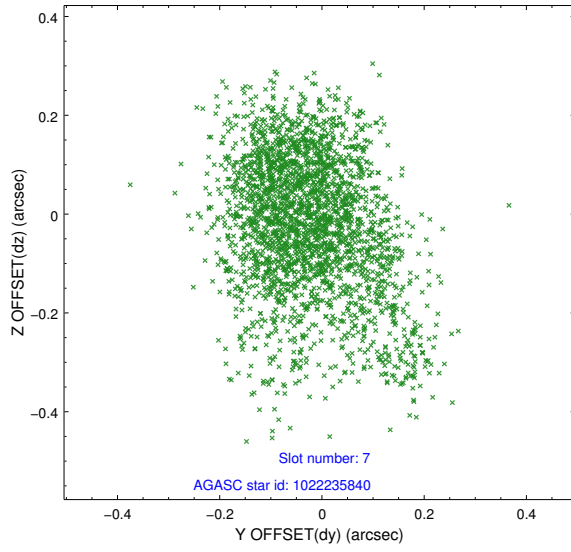
2.4.3 Slot 5



2.4.4 Slot 6

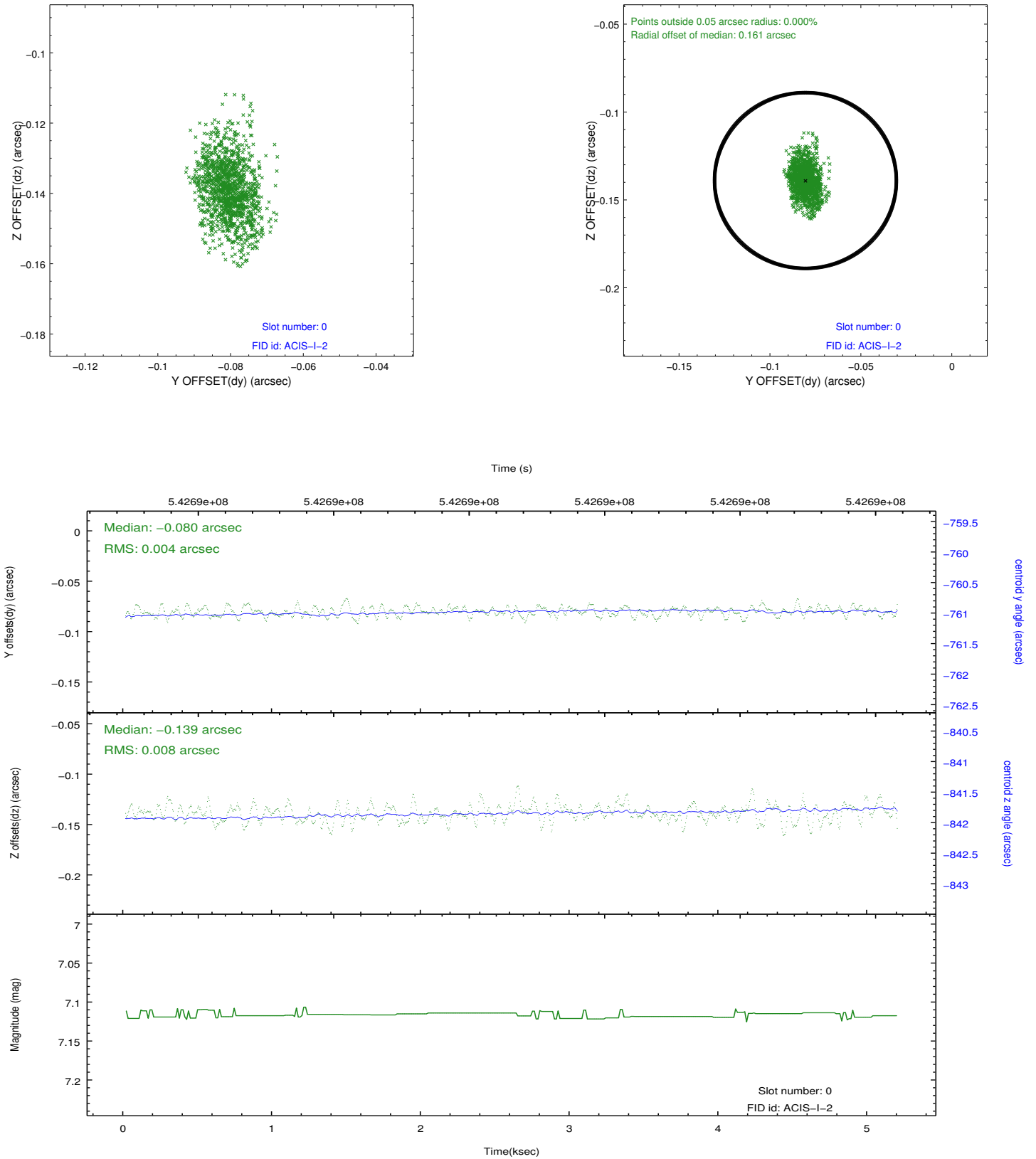


2.4.5 Slot 7

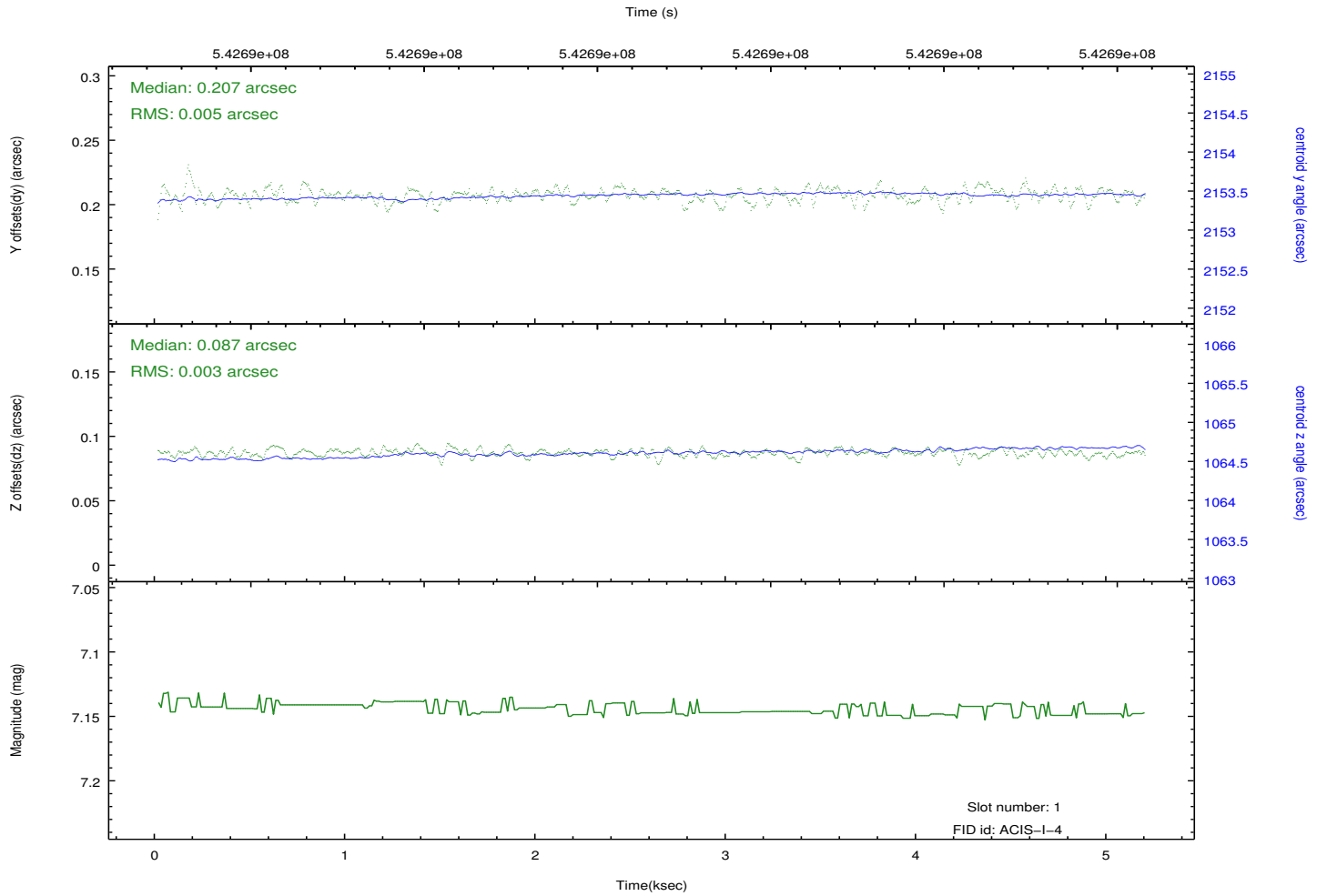
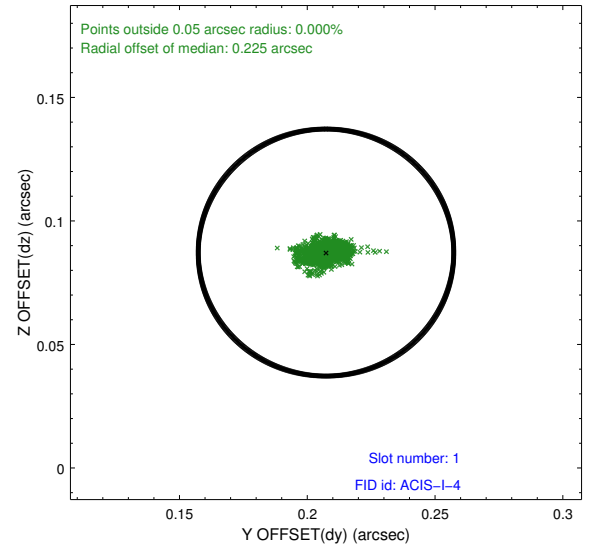
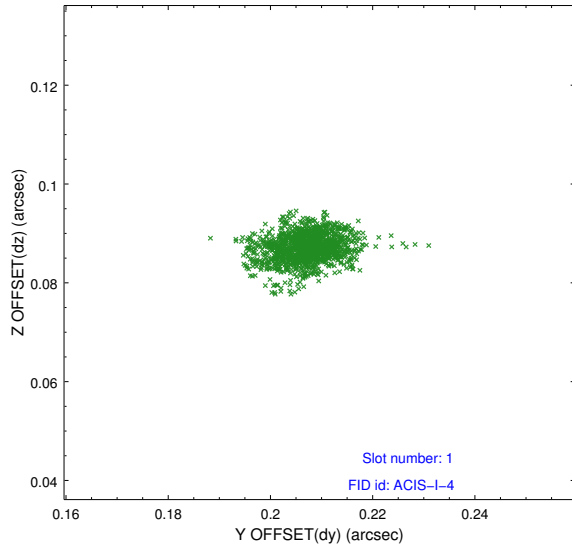


2.5 FID Slots

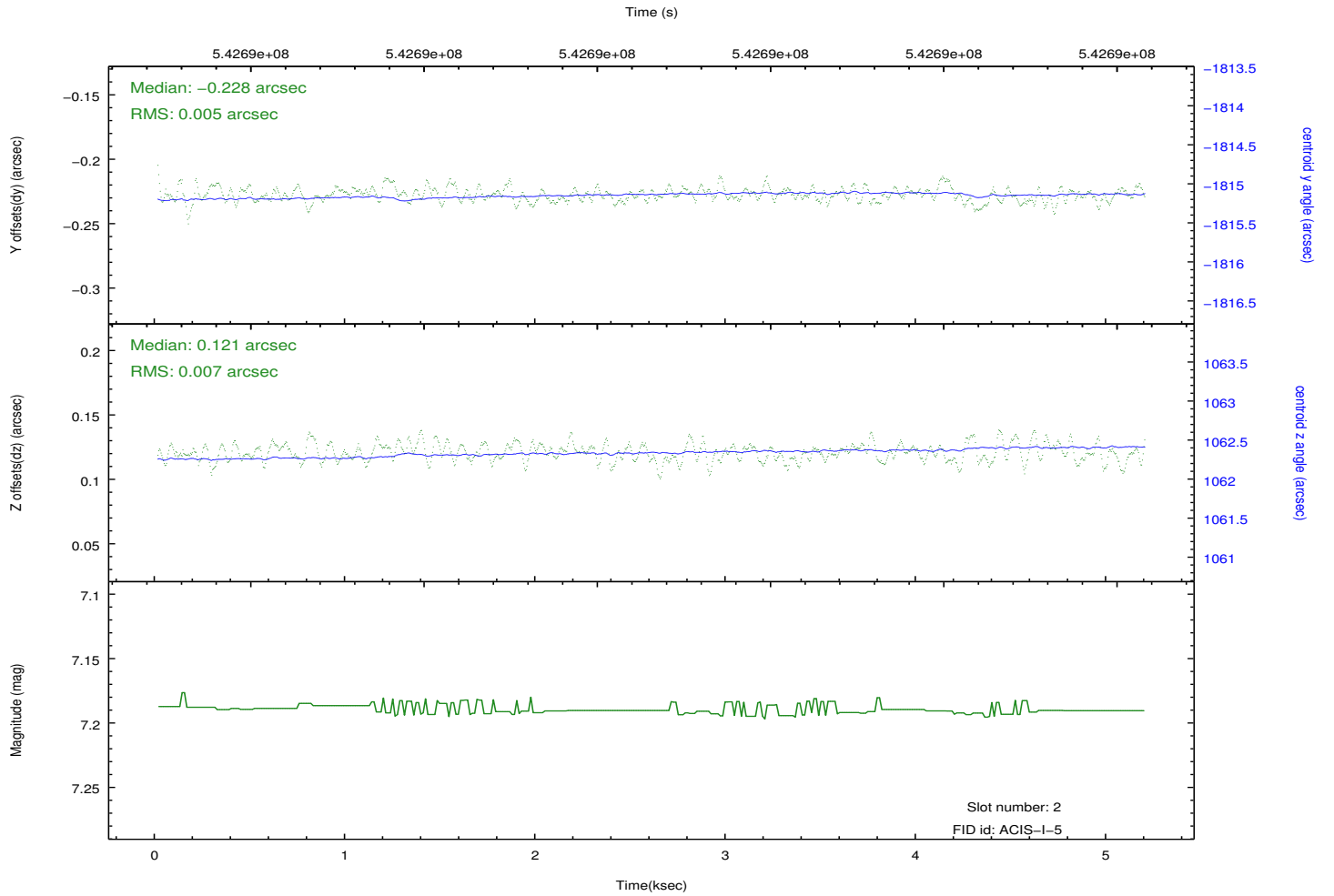
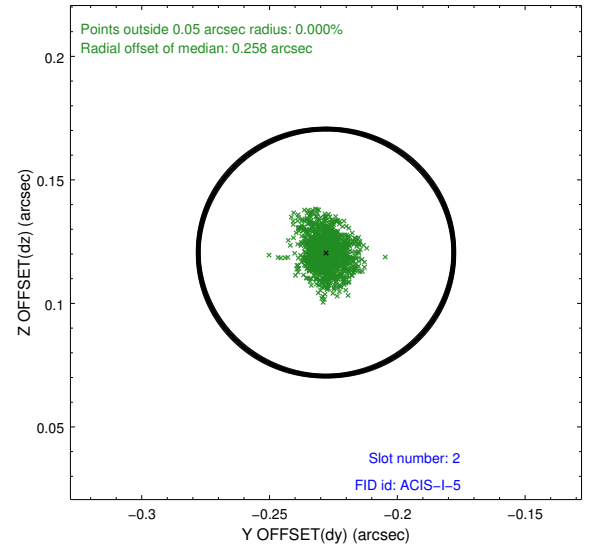
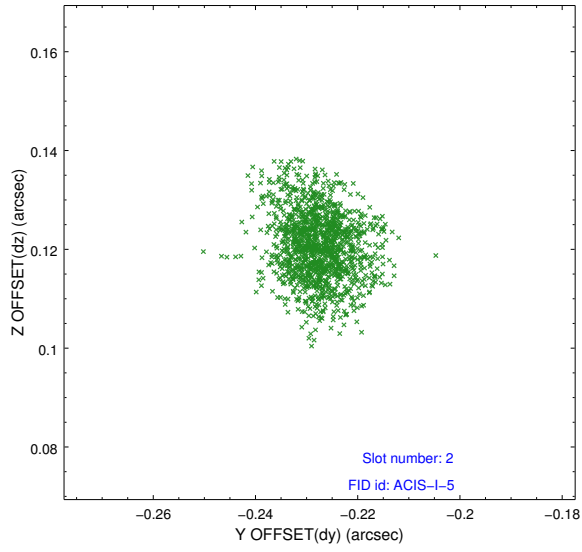
2.5.1 Slot 0



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)	2015.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0801410009861

A.2 Comments