

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3251 - L2 Version 3
Chandra X-Ray Center

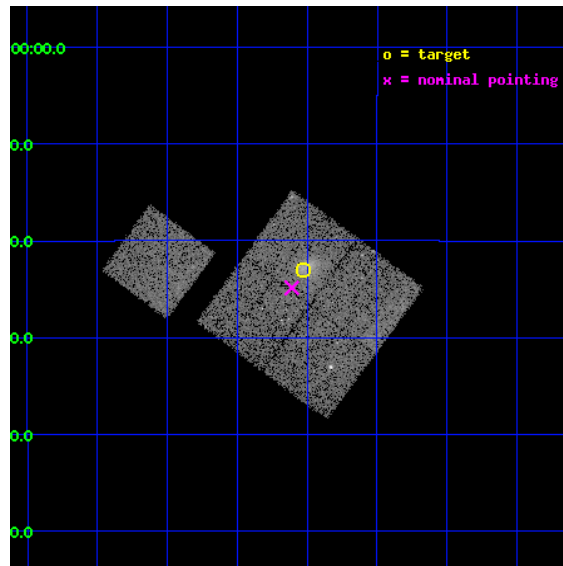
L2 Processing Date : Oct 17 2012

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1 Front

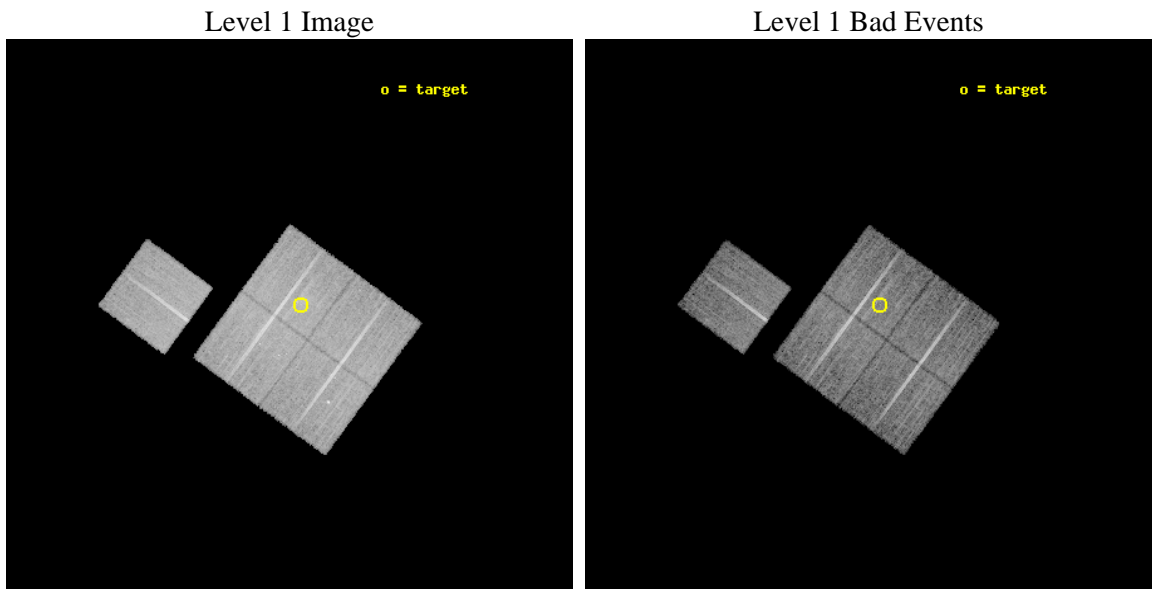
seq_num	800251	Sequence number
obs_id	3251	Observation id
title	OBSERVATION OF MACS CLUSTERS, 0.45	Proposal titl
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	MACS-J0025.4-1222	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.380833	Observer's specified target RA [deg]
dec_targ	-12.383056	Observer's specified target Dec [deg]
ra_nom	6.4021029274319	Nominal RA [deg]
dec_nom	-12.414480899632	Nominal Dec [deg]
roll_nom	306.41735918491	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19582.617962003	Sum of GTIs [s]
livetime	19326.756641816	Livetime [s]
ontime0	19579.477001816	Sum of GTIs [s]
ontime1	19588.899962306	Sum of GTIs [s]
ontime2	19585.758992076	Sum of GTIs [s]
ontime3	19582.617962003	Sum of GTIs [s]
ontime6	19588.899962306	Sum of GTIs [s]
l2events	45858	Number of level 2 events



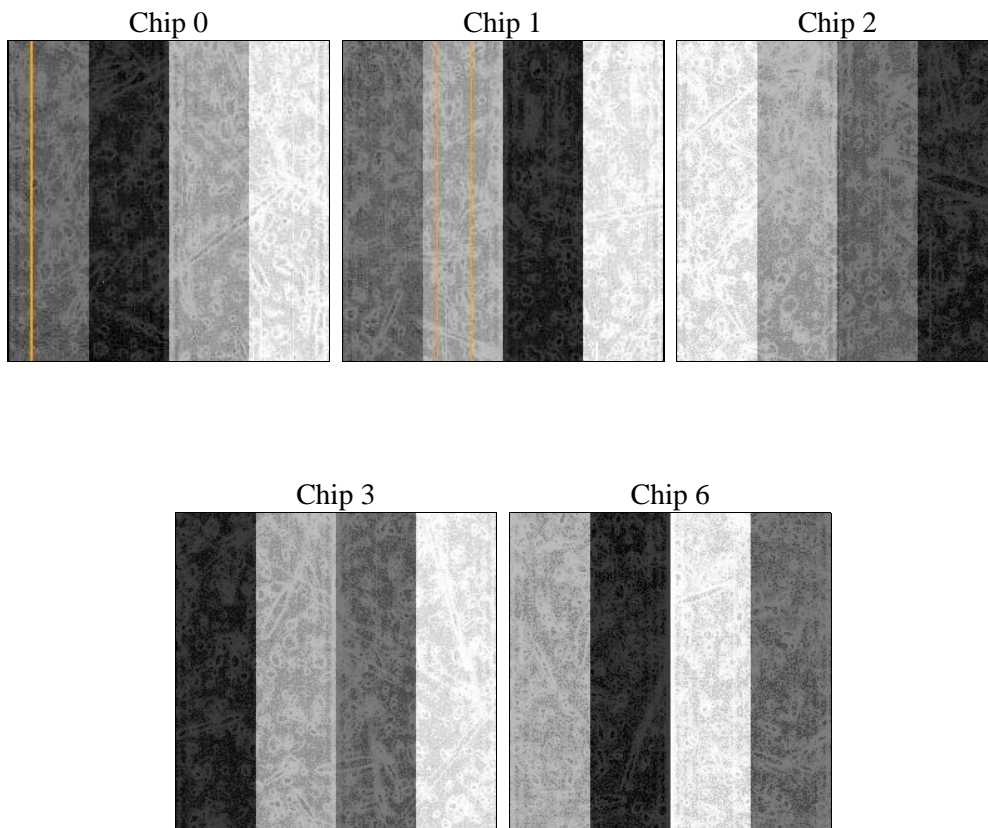
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	19500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19582.617962003	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	19579.477001816	Sum of GTIs [s]
date	2012-10-17T12:01:00	Date and time of file creation	ontime1	19588.899962306	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	19585.758992076	Sum of GTIs [s]
			ontime3	19582.617962003	Sum of GTIs [s]
			ontime6	19588.899962306	Sum of GTIs [s]
			l1events	494346	Number of level 1 events

2.1.4 Events

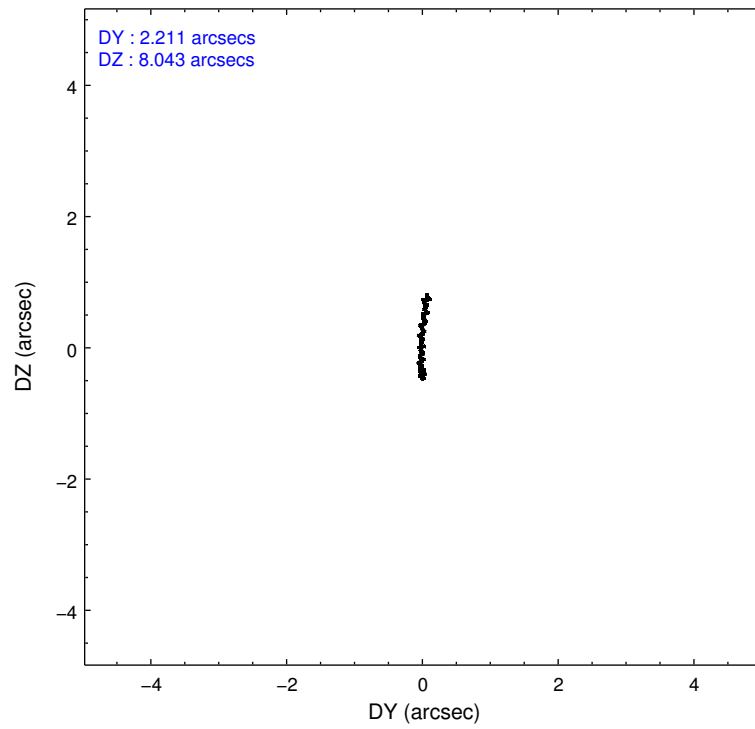
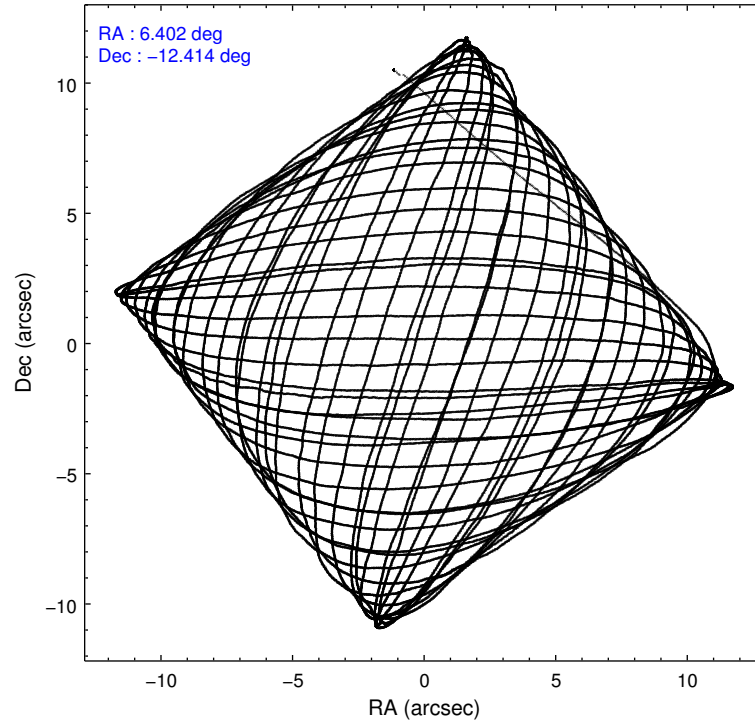
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	92040	92665	106903	103647	99091
rejected events	81115	81130	96317	91754	88721
rejected %	88%	87%	90%	88%	89%

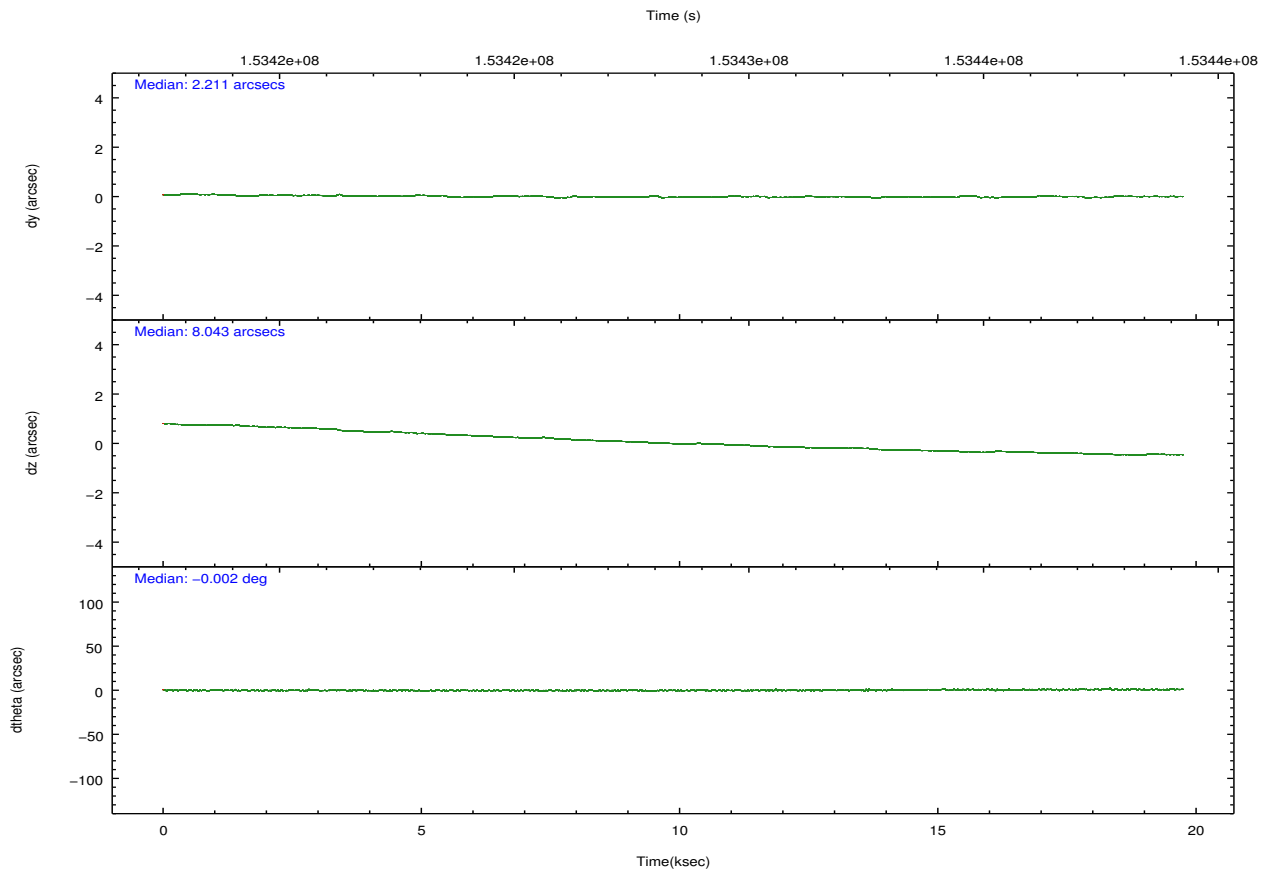
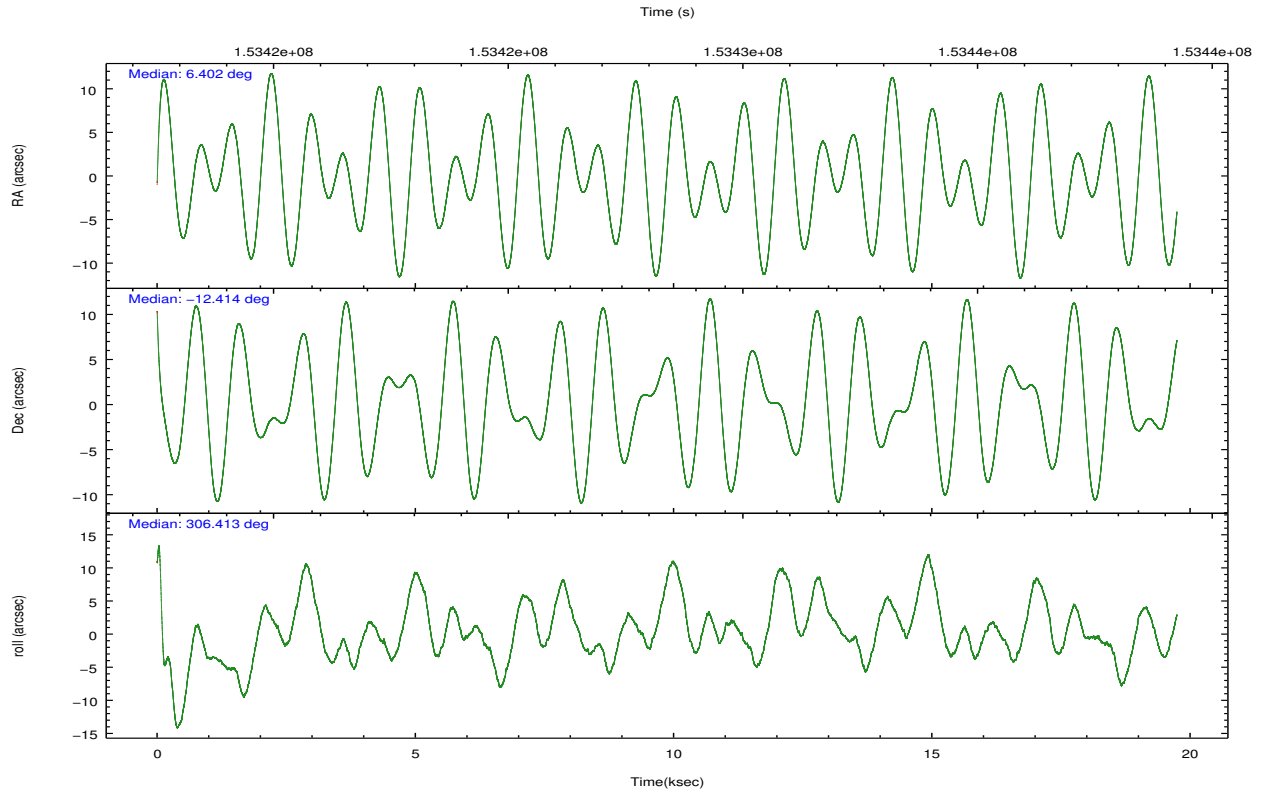
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4351	4272	4167	5391	3806
	4%	4%	3%	5%	3%
grade 1 events	62	56	49	62	44
	0%	0%	0%	0%	0%
grade 2 events	2342	2380	2414	2197	2193
	2%	2%	2%	2%	2%
grade 3 events	1227	1326	1092	1154	1136
	1%	1%	1%	1%	1%
grade 4 events	1099	1283	1099	1253	1171
	1%	1%	1%	1%	1%
grade 5 events	3338	3628	3282	3824	3854
	3%	3%	3%	3%	3%
grade 6 events	1907	2277	1815	1903	2066
	2%	2%	1%	1%	2%
grade 7 events	77714	77443	92985	87863	84821
	84%	83%	86%	84%	85%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	6.376355	6.40210292743194	Subarray requested	NONE	NONE
[deg] Pointing Dec	-12.403605	-12.41448089963218	Alternating exposures requested	N	N
[deg] Pointing Roll	306.203131	306.41735918491	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-227.742463	-227.734108438797			
[mm] SIM translation stage offset	-5.85	-5.858344564132665			
[s] Observation start time (MET)	153418758.184000	153417770.32346			
Observation start date	2002-11-11T16:18:14	2002-11-11T16:02:50			
[s] Observation end time (MET)	153438258.184000	153439072.89935			
Observation end date	2002-11-11T21:43:14	2002-11-11T21:57:52			
Read mode	TIMED	TIMED			

2.3 Aspect





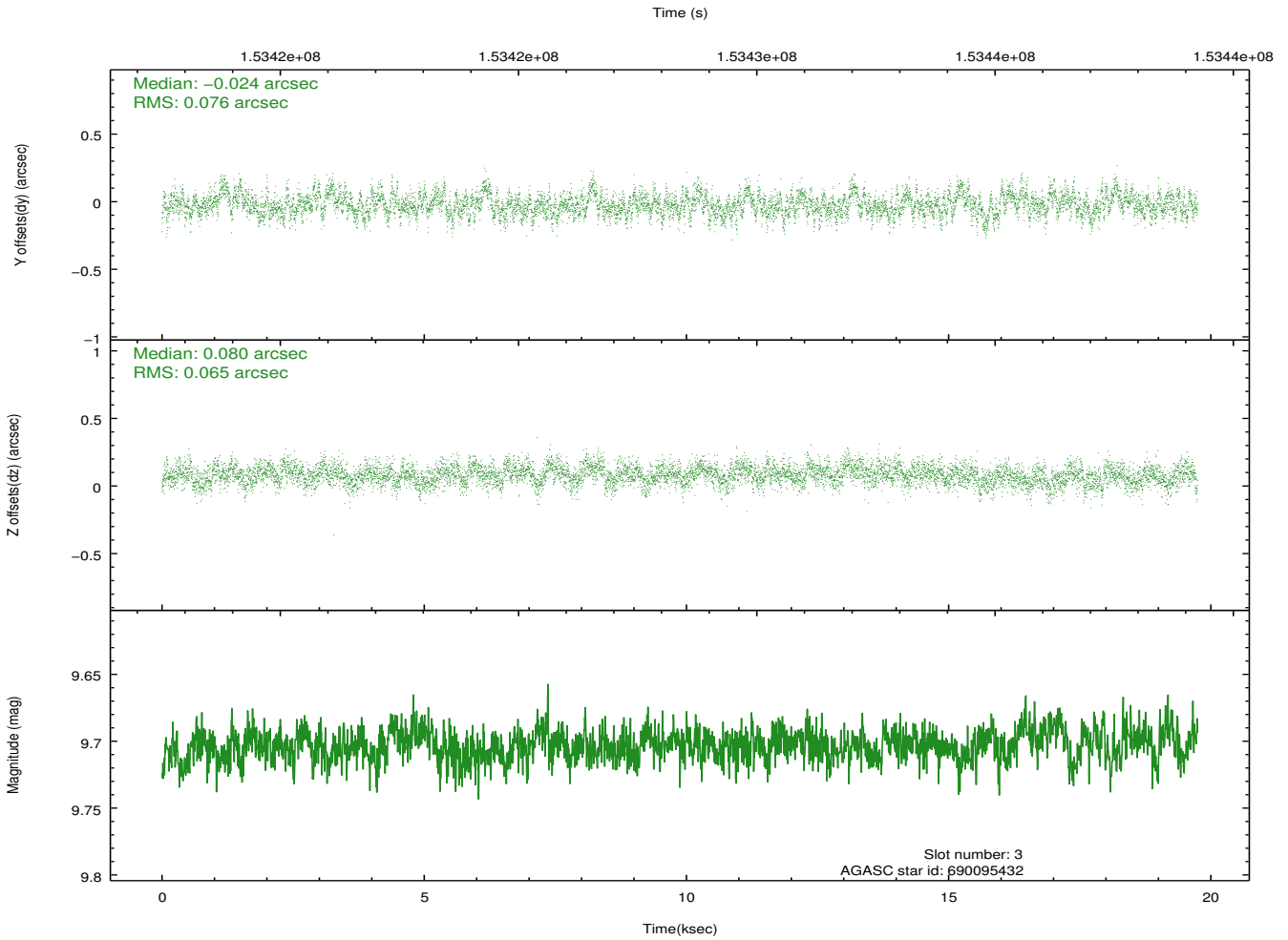
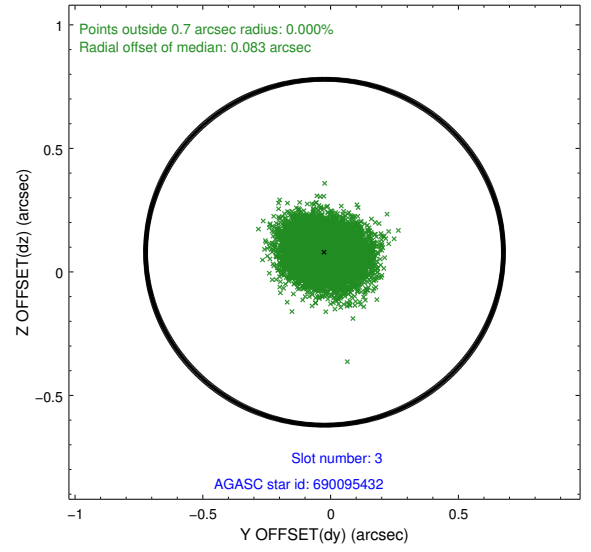
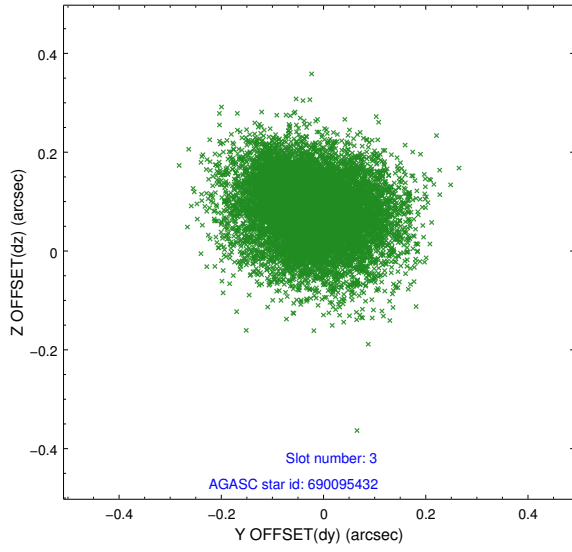
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4816	0.030	0.005	0.009	0.015	0.000000	0.000000	937.52	-951.78
1	FID	ACIS-I-5	7.23	4816	-0.133	0.060	0.008	0.013	0.000000	0.000000	-1810.64	945.66
2	FID	ACIS-I-6	7.25	4816	0.011	0.006	0.011	0.019	0.000000	0.000000	402.84	1590.32
3	GUIDE	690095432	9.70	9630	-0.024	0.080	0.106	0.176	6.686559	-12.321914	407.60	1053.59
4	GUIDE	690095936	9.64	9623	-0.079	0.035	0.094	0.151	6.226991	-11.967899	-1576.27	501.71
5	GUIDE	690097320	9.50	9628	-0.169	-0.088	0.092	0.153	5.644041	-12.299584	-1820.60	-1859.84
6	GUIDE	690488016	8.87	9624	0.164	0.034	0.088	0.142	6.525563	-13.077965	2268.39	-1012.17
7	GUIDE	690488576	9.07	9629	0.102	-0.064	0.074	0.119	6.760281	-12.699830	1658.09	457.30

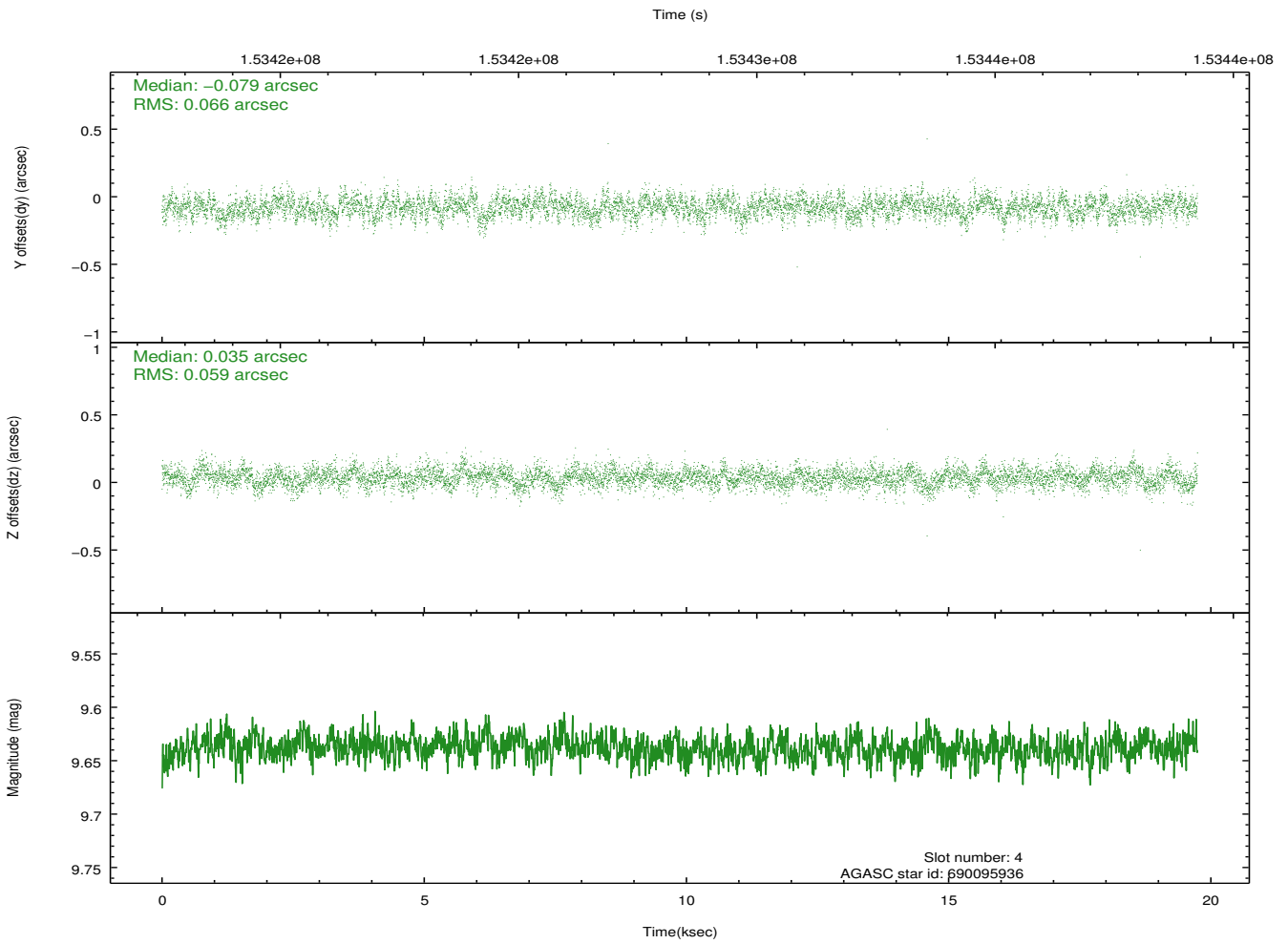
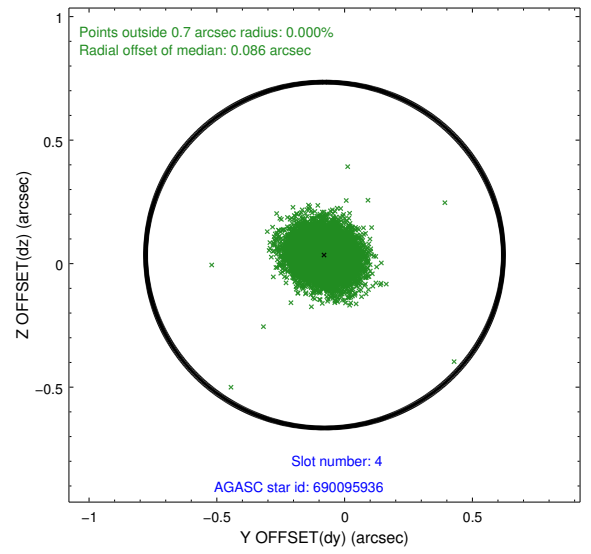
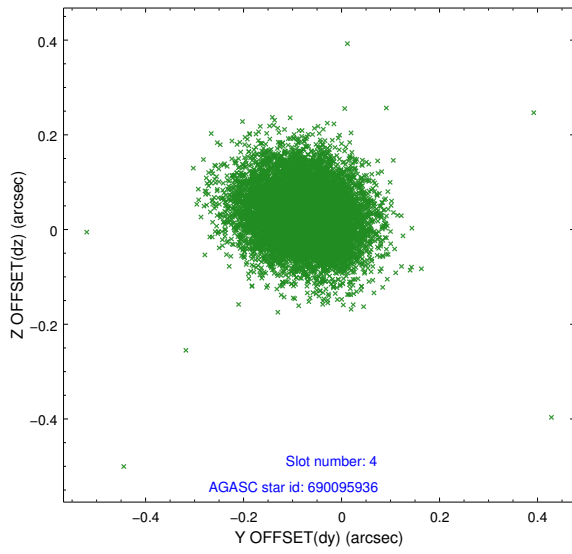
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2.4 Star Slots

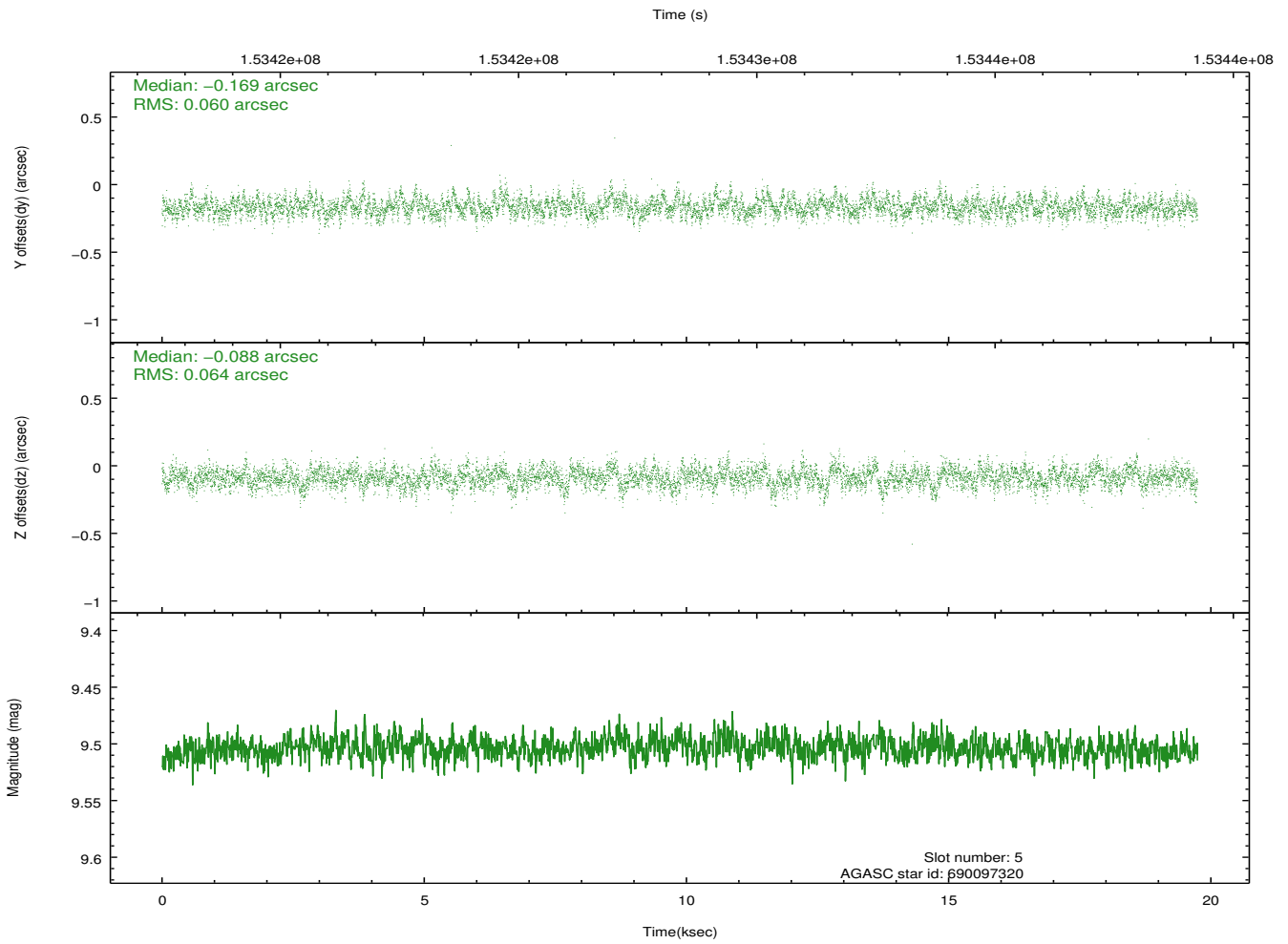
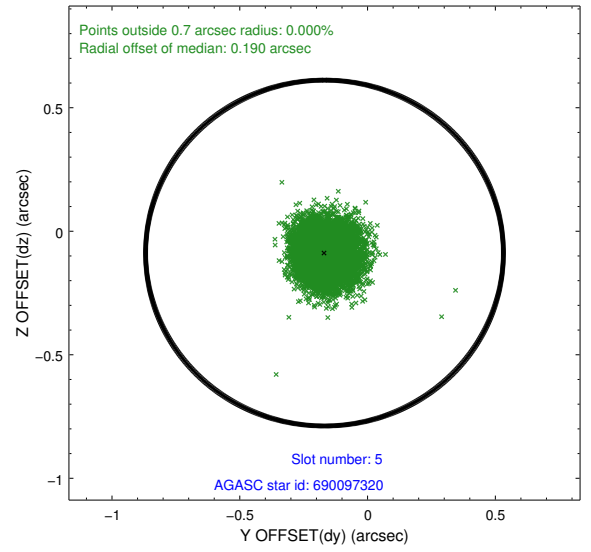
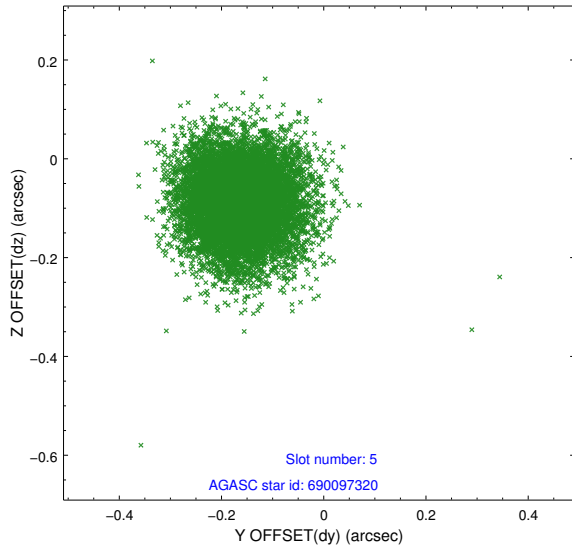
2.4.1 Slot 3



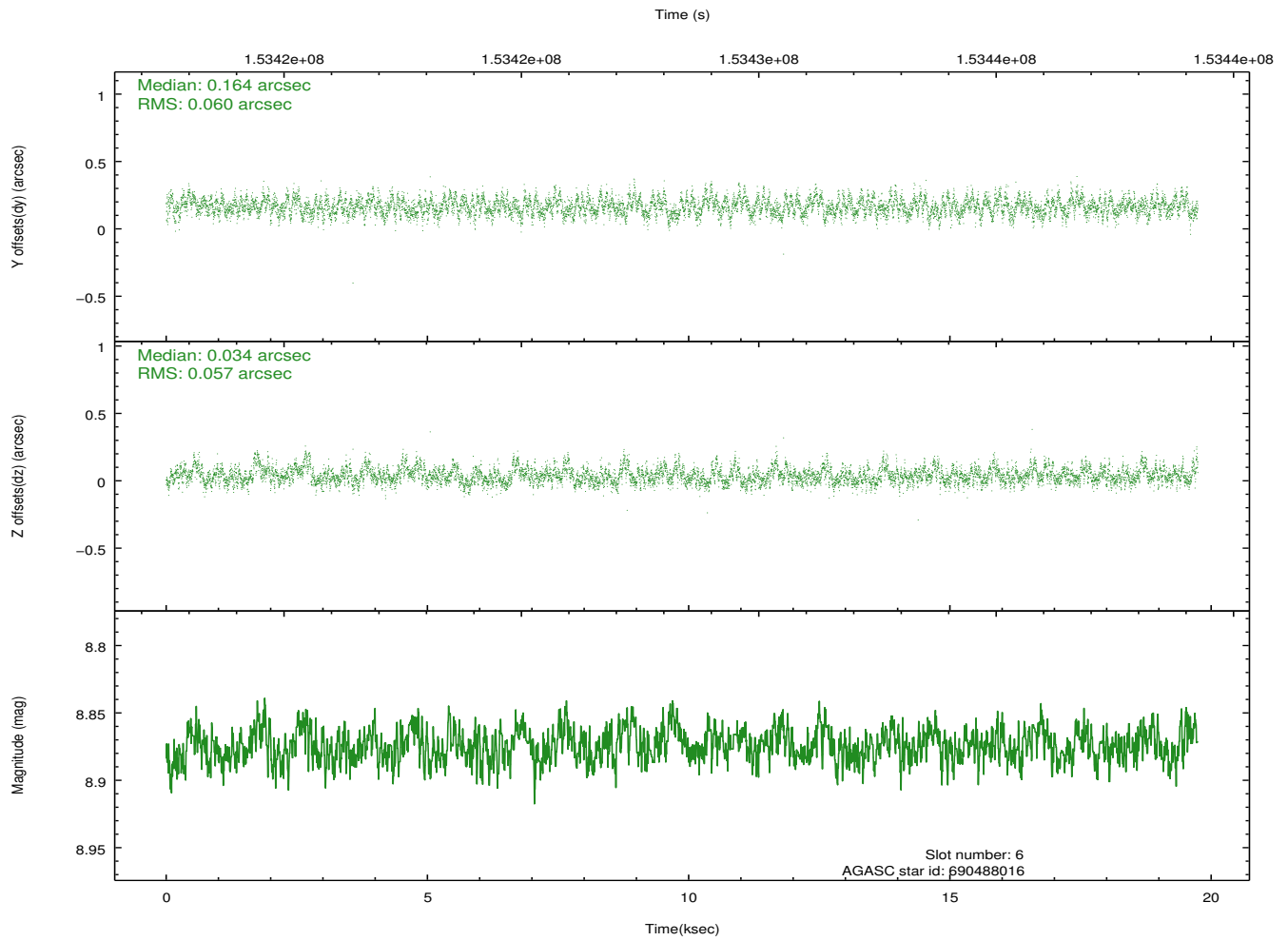
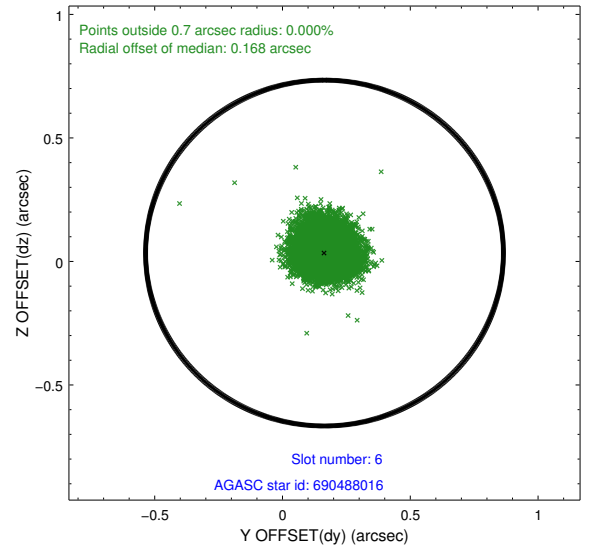
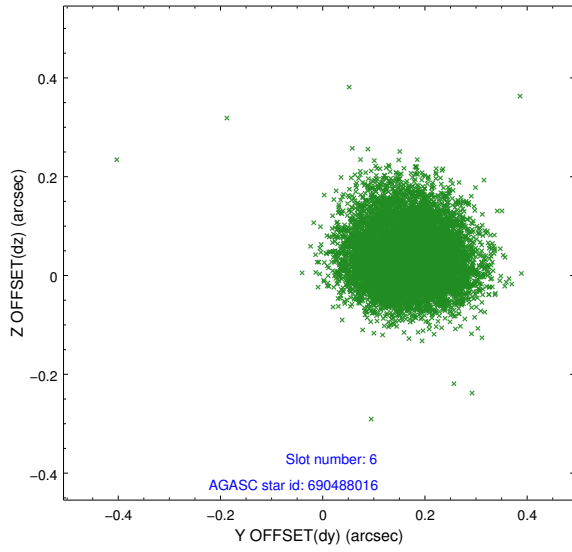
2.4.2 Slot 4



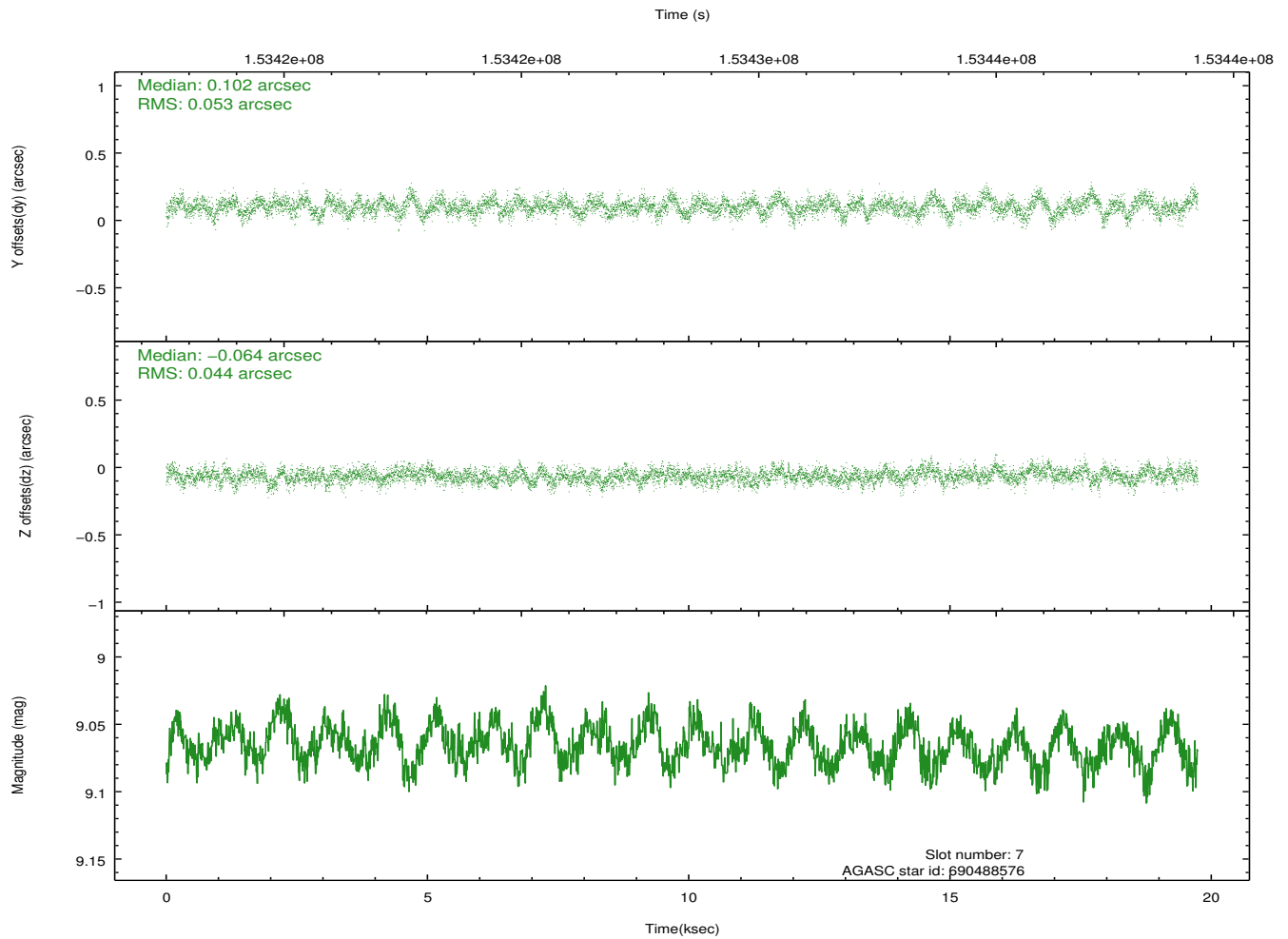
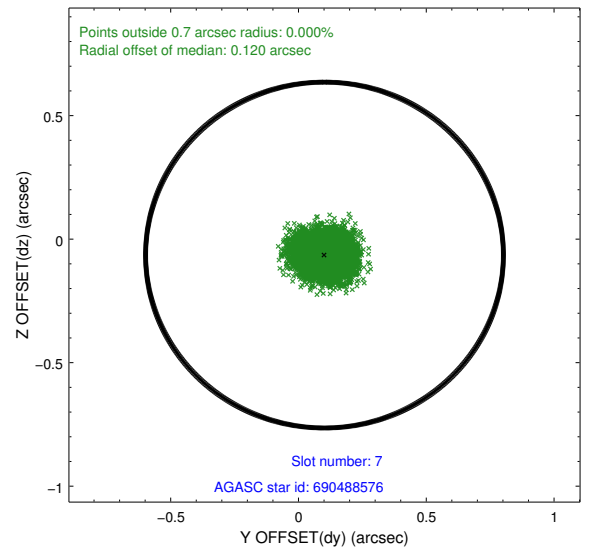
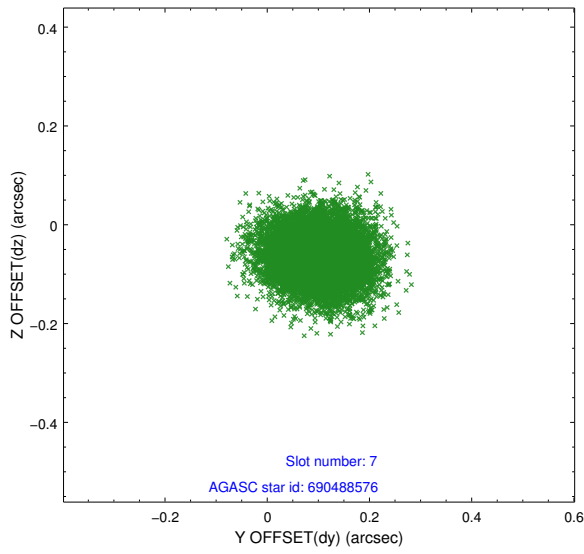
2.4.3 Slot 5



2.4.4 Slot 6

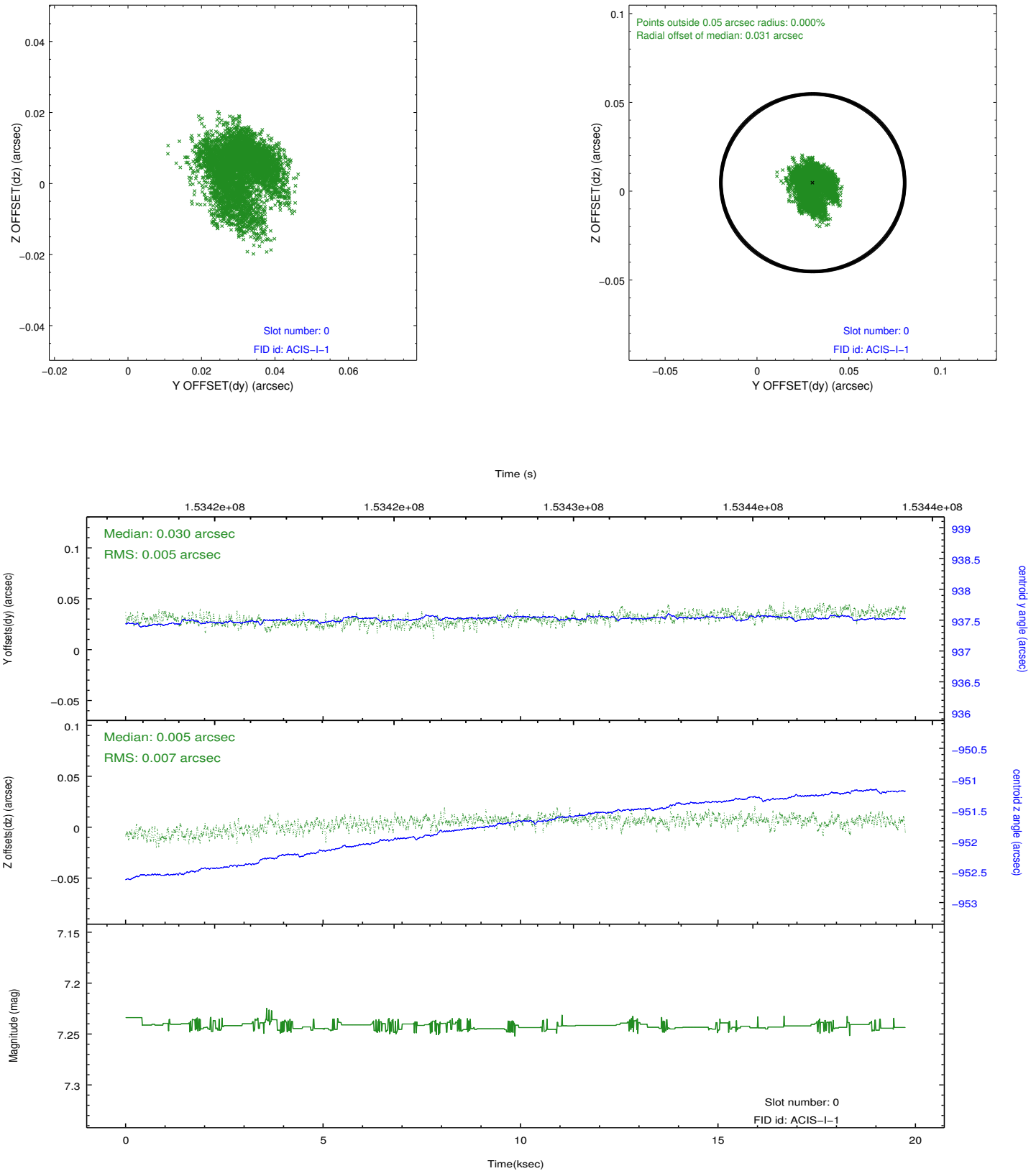


2.4.5 Slot 7

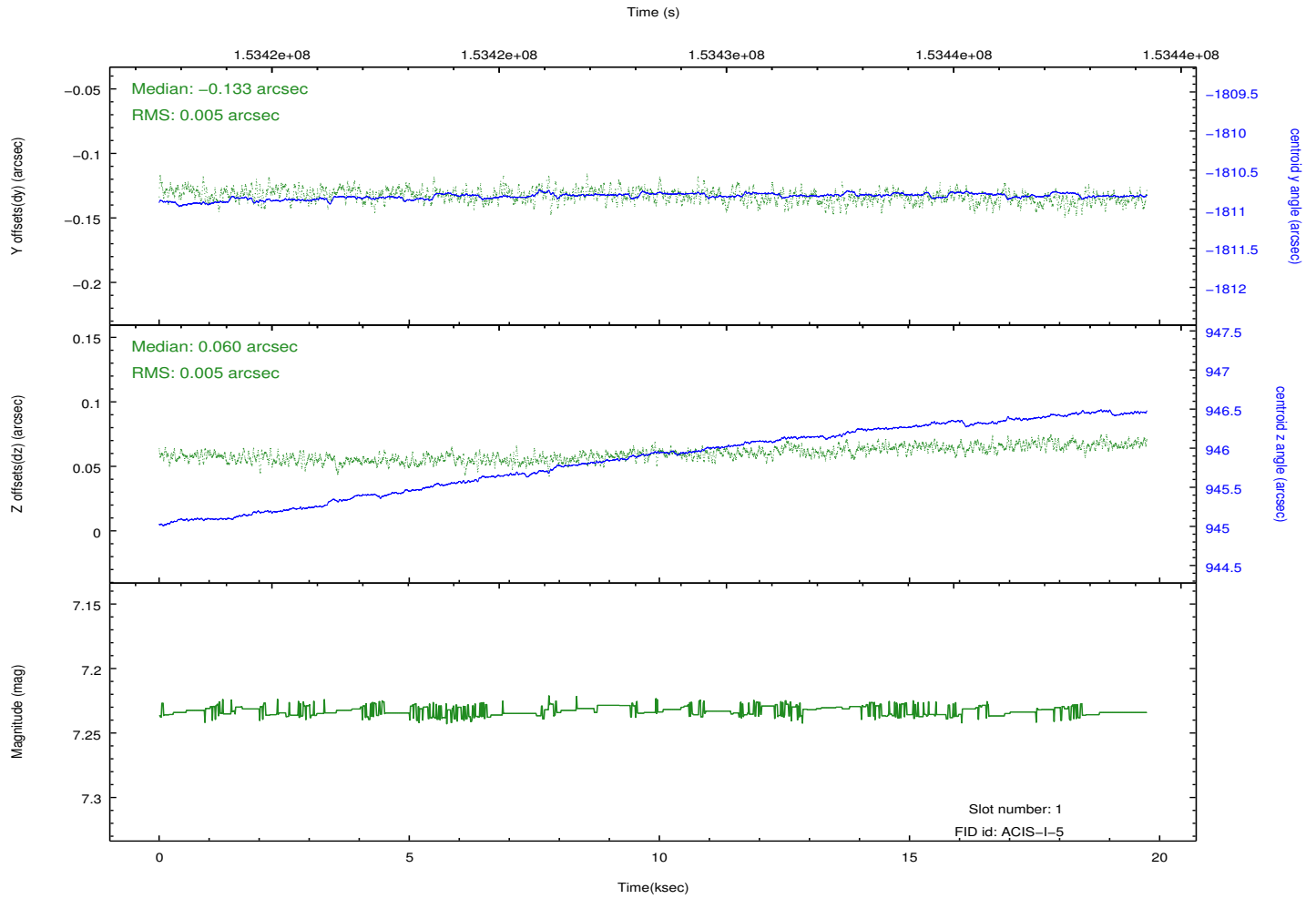
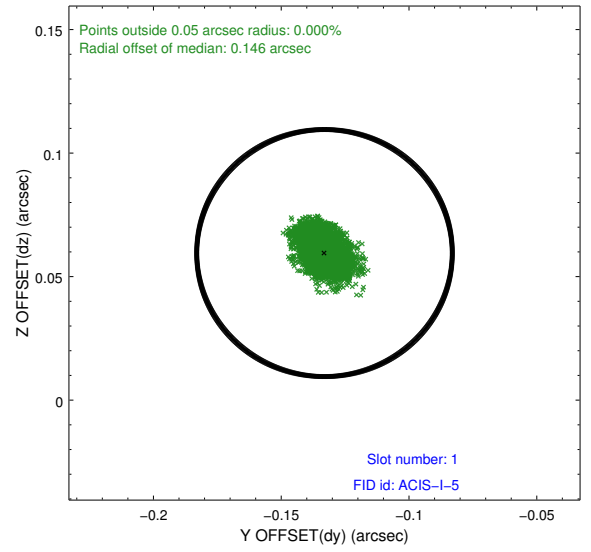
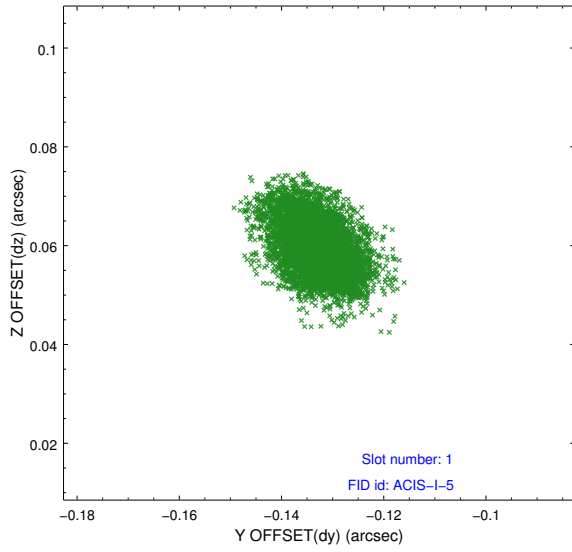


2.5 FID Slots

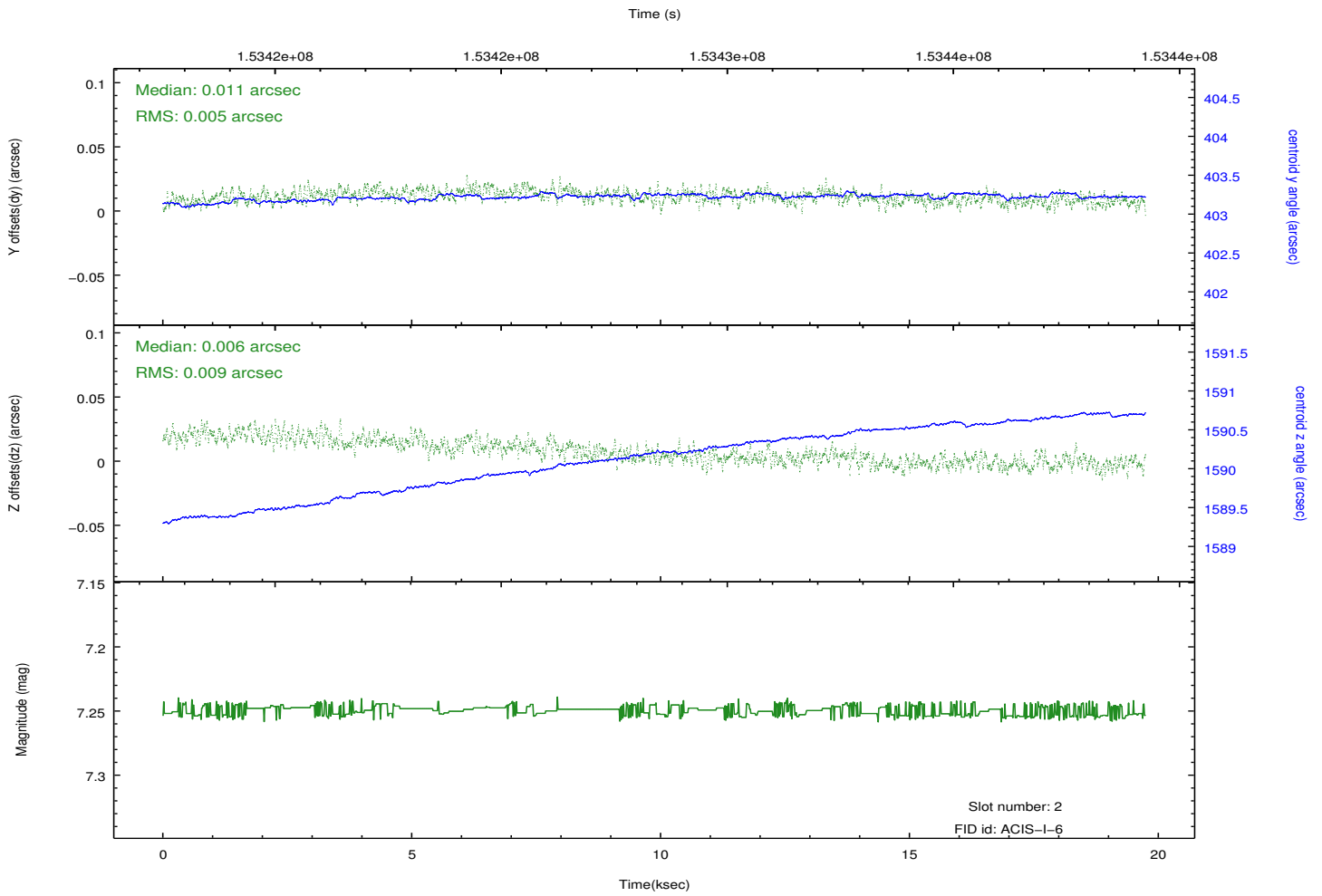
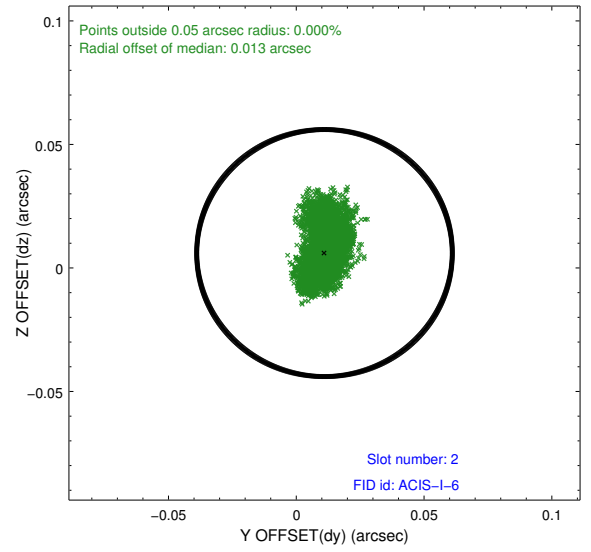
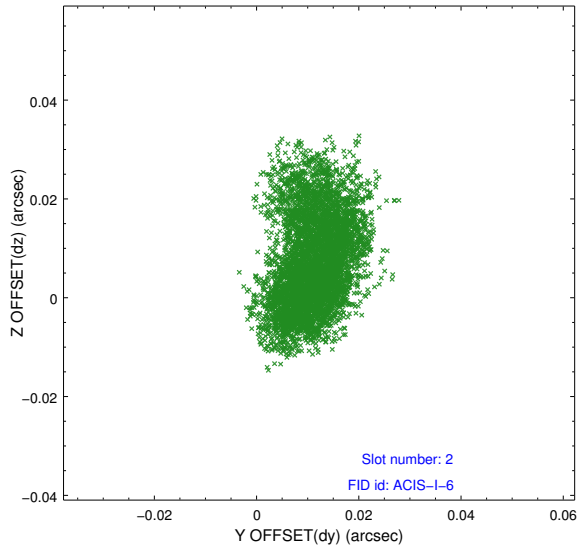
2.5.1 Slot 0



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)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.585

A.2 Comments