

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11711 - L2 Version 2
Chandra X-Ray Center

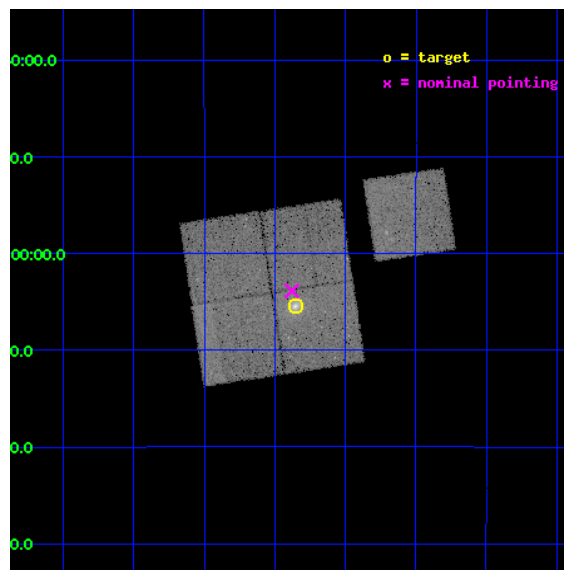
L2 Processing Date : Jun 13 2012

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1 Front

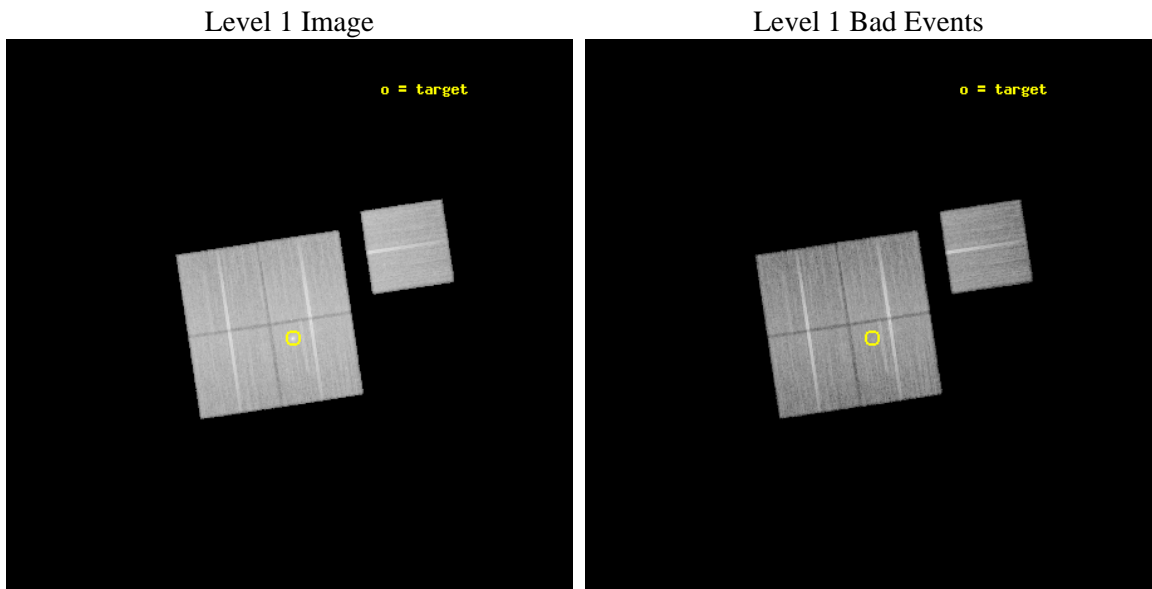
seq_num	800853	Sequence number
obs_id	11711	Observation id
title	The distribution and interactions of luminous and dark matter in strong-lensing clusters at $z > 0.3$	Proposal title
observer	Dr. Harald Ebeling	Principal investigator
object	MACSJ0150.3-1005	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	27.58875	Observer's specified target RA [deg]
dec_targ	-10.091667	Observer's specified target Dec [deg]
ra_nom	27.594777447386	Nominal RA [deg]
dec_nom	-10.06456219977	Nominal Dec [deg]
roll_nom	81.422814388907	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27180.759208679	Sum of GTIs [s]
livetime	26825.622579434	Livetime [s]
ontime0	27177.618257999	Sum of GTIs [s]
ontime1	27177.618218482	Sum of GTIs [s]
ontime2	27171.336277544	Sum of GTIs [s]
ontime3	27180.759208679	Sum of GTIs [s]
ontime6	27183.900209069	Sum of GTIs [s]
l2events	107405	Number of level 2 events



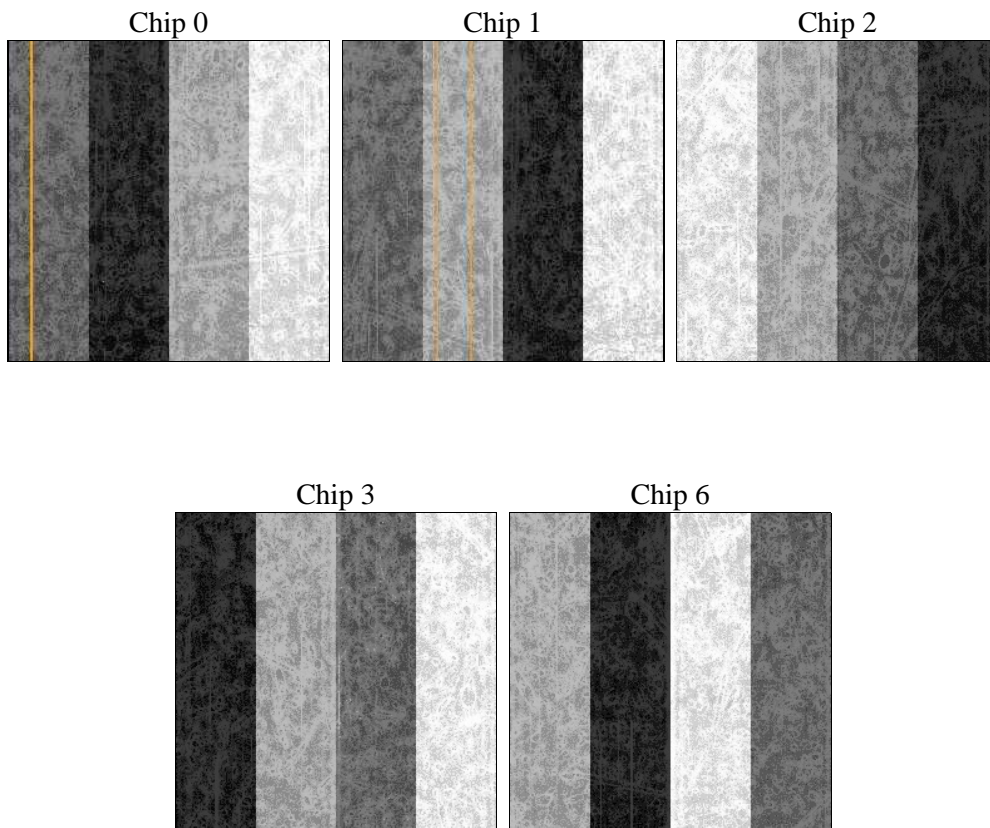
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	27180.759208679	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	27177.618257999	Sum of GTIs [s]
date	2012-06-13T05:25:11	Date and time of file creation	ontime1	27177.618218482	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	27171.336277544	Sum of GTIs [s]
			ontime3	27180.759208679	Sum of GTIs [s]
			ontime6	27183.900209069	Sum of GTIs [s]
			l1events	1202952	Number of level 1 events

2.1.4 Events

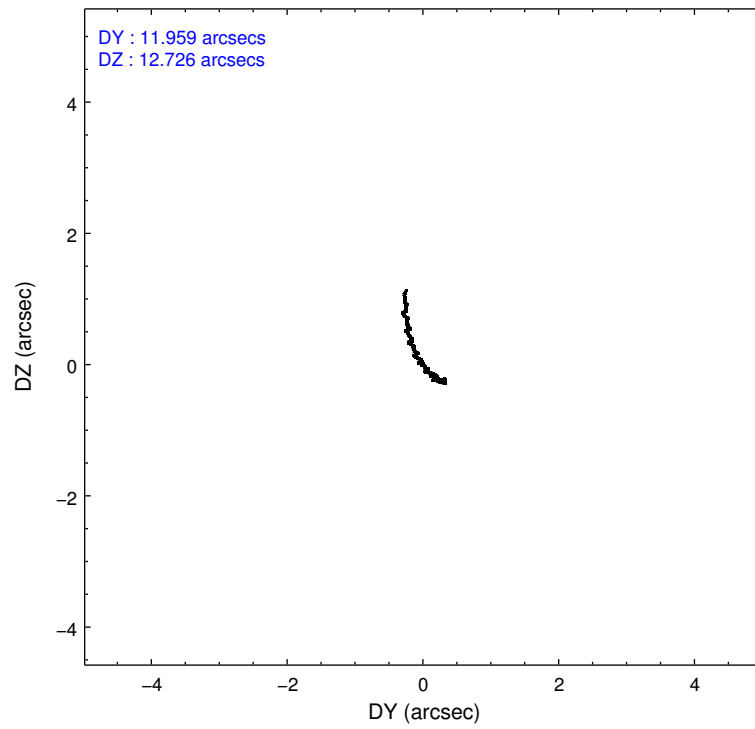
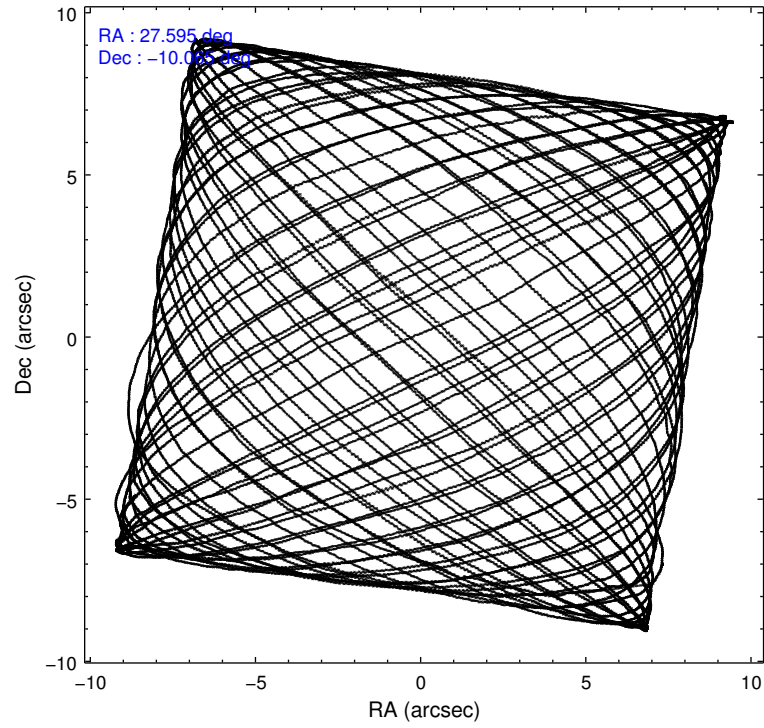
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	226340	232203	252683	250254	241472
rejected events	202215	205172	229200	221522	216902
rejected %	89%	88%	90%	88%	89%

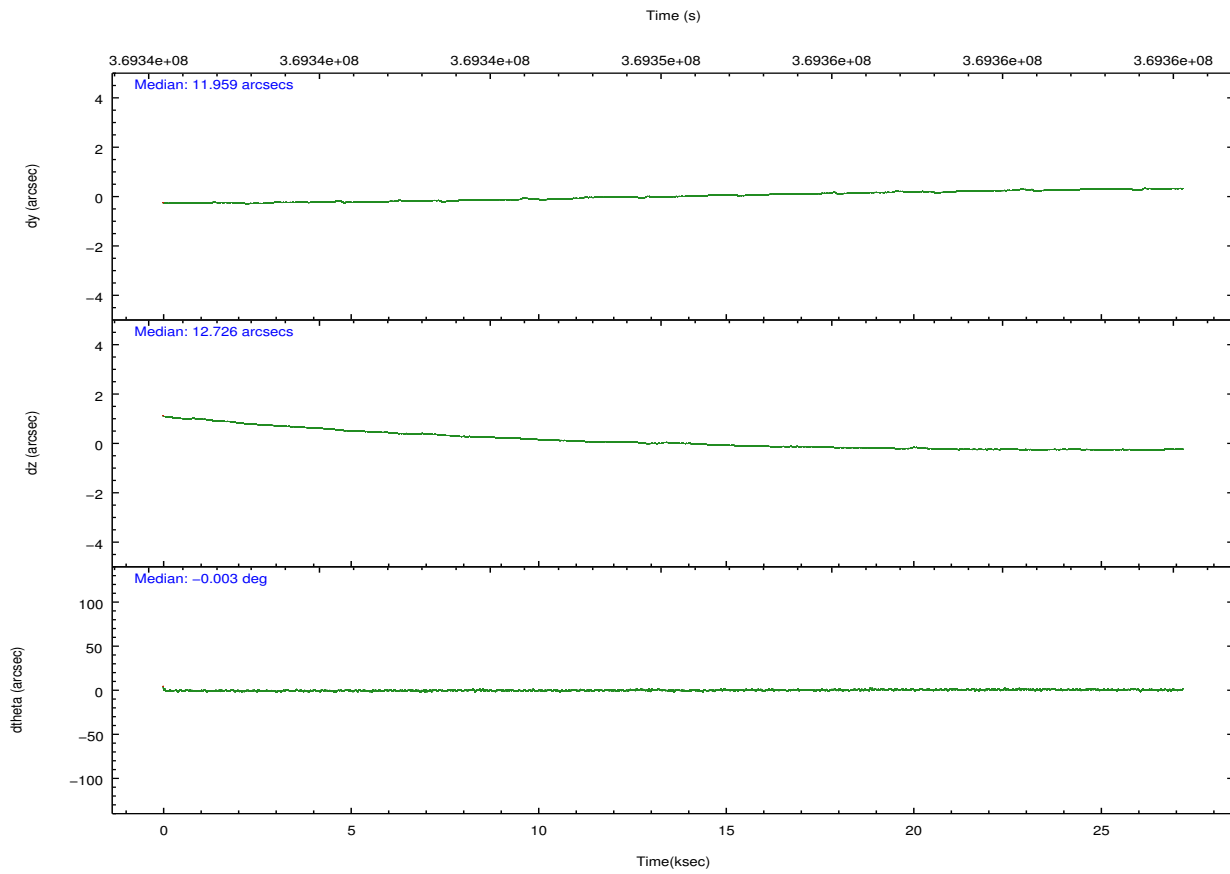
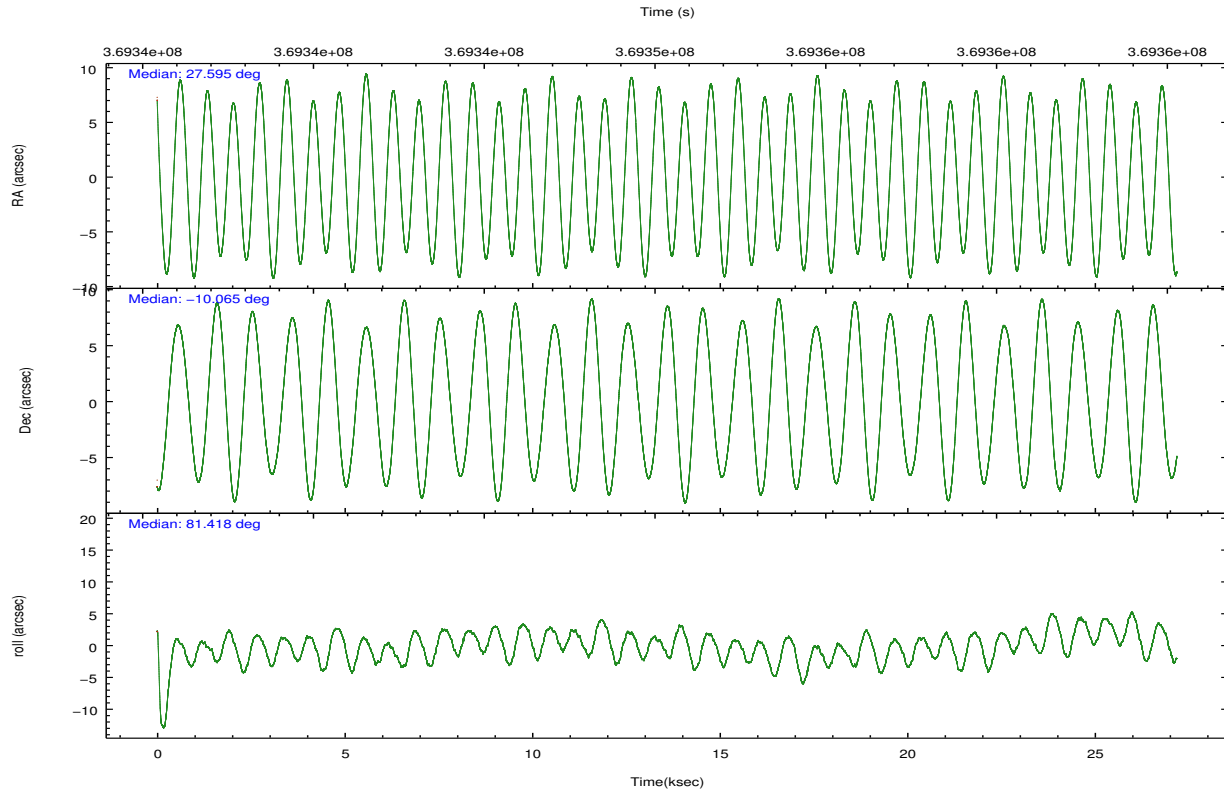
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8468	9847	8603	13001	8734
	3%	4%	3%	5%	3%
grade 1 events	121	128	142	184	123
	0%	0%	0%	0%	0%
grade 2 events	6053	6368	5886	5819	5623
	2%	2%	2%	2%	2%
grade 3 events	2756	2848	2462	2733	2645
	1%	1%	0%	1%	1%
grade 4 events	2506	2843	2557	2812	2667
	1%	1%	1%	1%	1%
grade 5 events	8986	9688	8134	10228	9622
	3%	4%	3%	4%	3%
grade 6 events	4816	5709	4490	4911	5452
	2%	2%	1%	1%	2%
grade 7 events	192634	194772	220409	210566	206606
	85%	83%	87%	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	27.605096	27.59477744738586	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.090103	-10.06456219977042	Alternating exposures requested	N	N
[deg] Pointing Roll	81.215932	81.42281438890744	[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	-229.442463	-229.4463571591594			
[mm] SIM translation stage offset	-4.15	-4.146095843770325			
[s] Observation start time (MET)	369336944.184000	369335653.19029			
Observation start date	2009-09-14T17:34:38	2009-09-14T17:14:13			
[s] Observation end time (MET)	369363944.184000	369364789.32925			
Observation end date	2009-09-15T01:04:38	2009-09-15T01:19:49			
Read mode	TIMED	TIMED			

2.3 Aspect



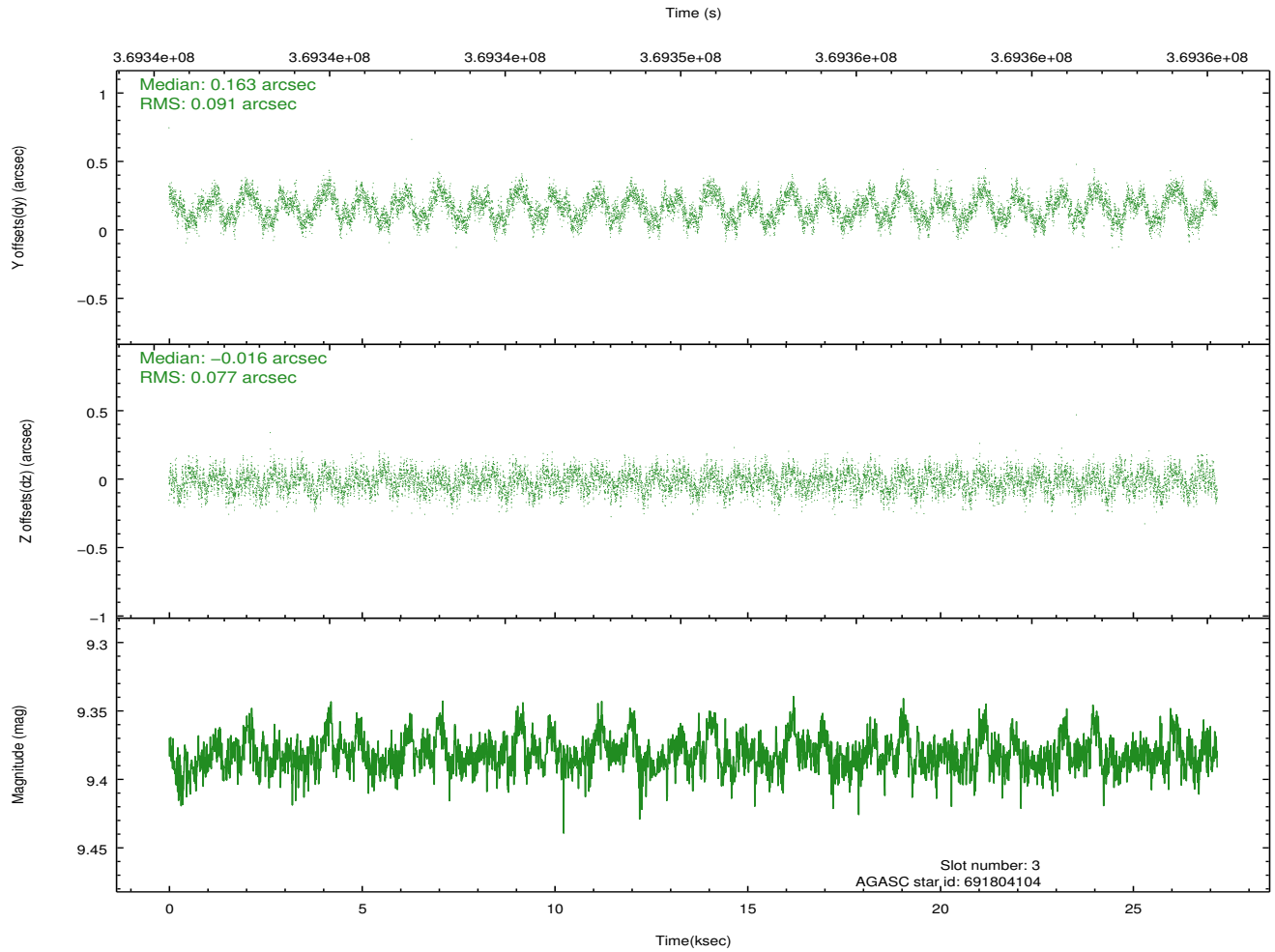
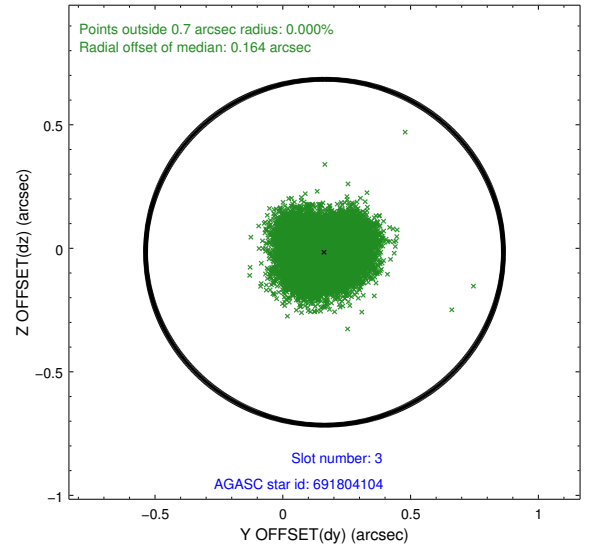
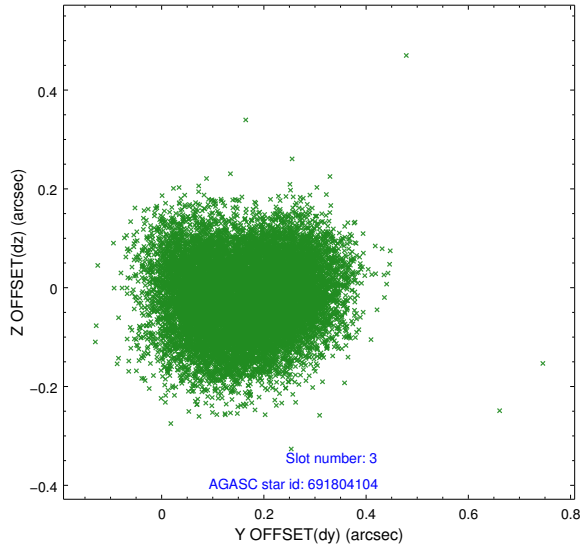


Slot Statistics

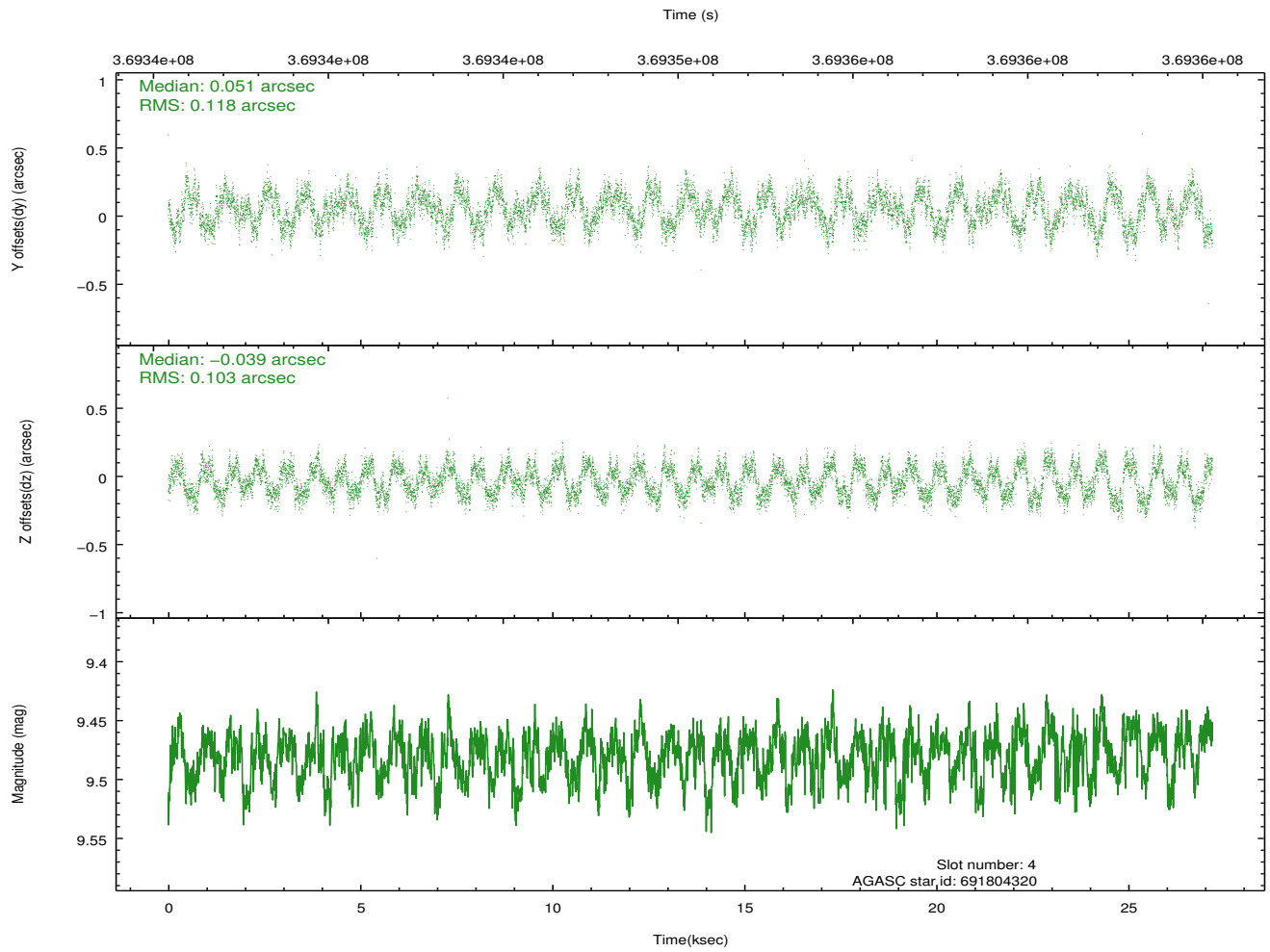
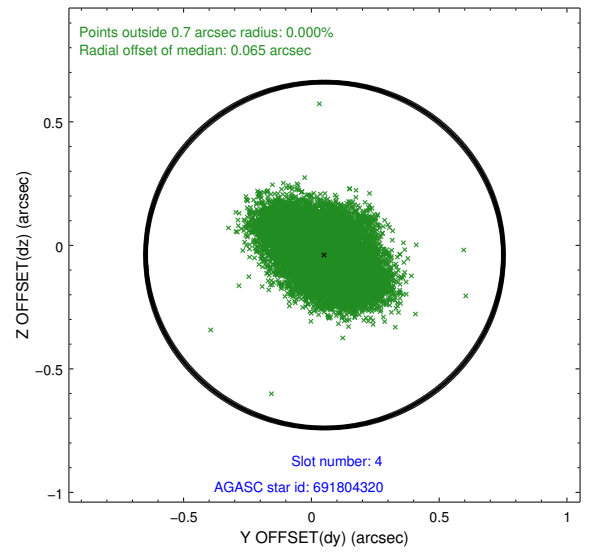
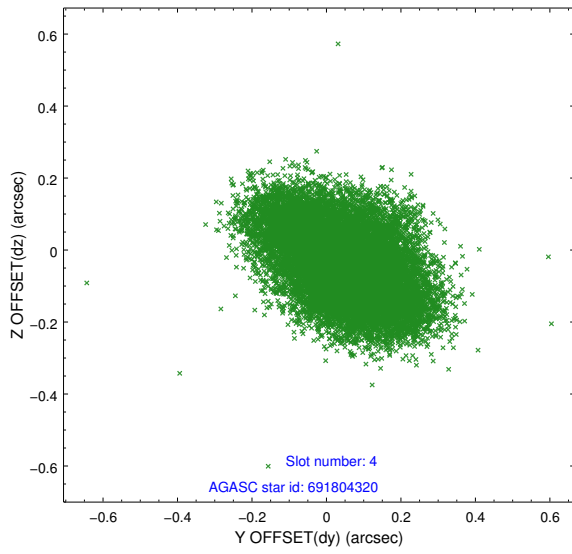
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	6.91	6631	0.083	0.074	0.016	0.027	0.000000	0.000000	2147.29	979.05
1	FID	ACIS-I-5	6.98	6632	-0.218	0.049	0.011	0.018	0.000000	0.000000	-1820.61	976.27
2	FID	ACIS-I-6	6.99	6632	0.035	-0.055	0.018	0.030	0.000000	0.000000	392.95	1620.54
3	GUIDE	691804104	9.38	13242	0.163	-0.016	0.130	0.195	27.846134	-10.503467	-1340.09	-1070.41
4	GUIDE	691804320	9.48	13238	0.051	-0.039	0.170	0.259	28.015926	-9.581340	2032.22	-1161.37
5	GUIDE	691805288	9.23	13248	0.033	0.196	0.105	0.172	28.133879	-10.461386	-1036.11	-2054.07
6	GUIDE	691806112	9.69	13245	-0.301	-0.012	0.120	0.193	27.938248	-9.788175	1254.15	-1001.95
7	GUIDE	691817528	6.82	13262	0.053	-0.129	0.080	0.135	27.347256	-10.703537	-2322.77	565.25

2.4 Star Slots

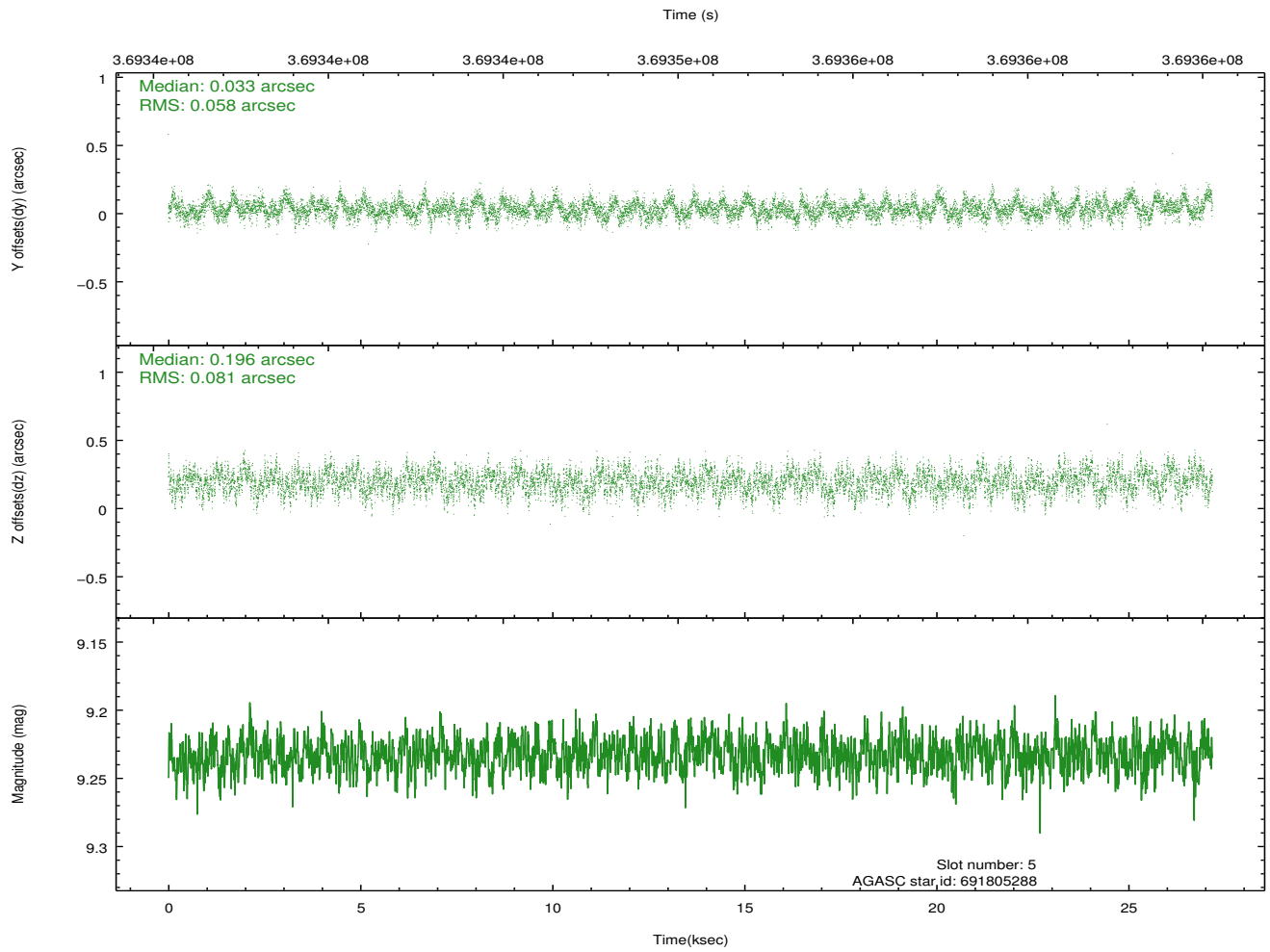
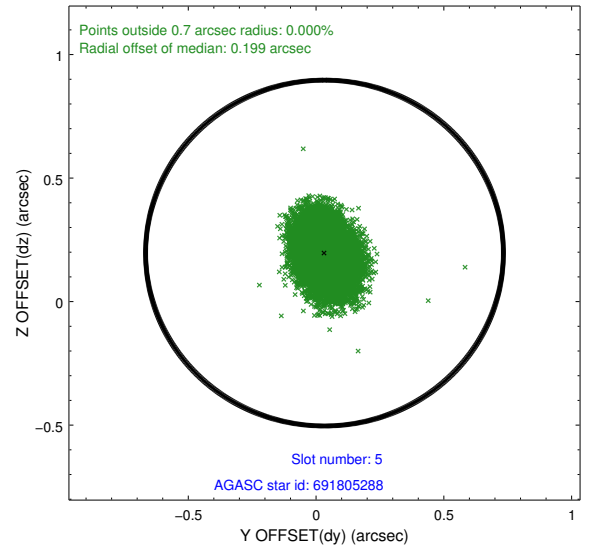
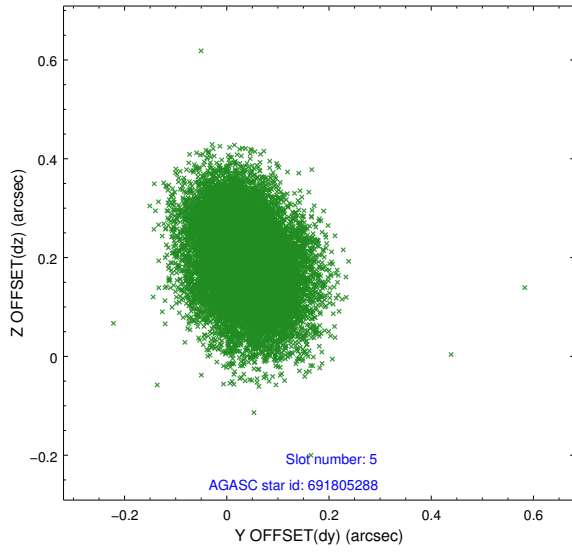
2.4.1 Slot 3



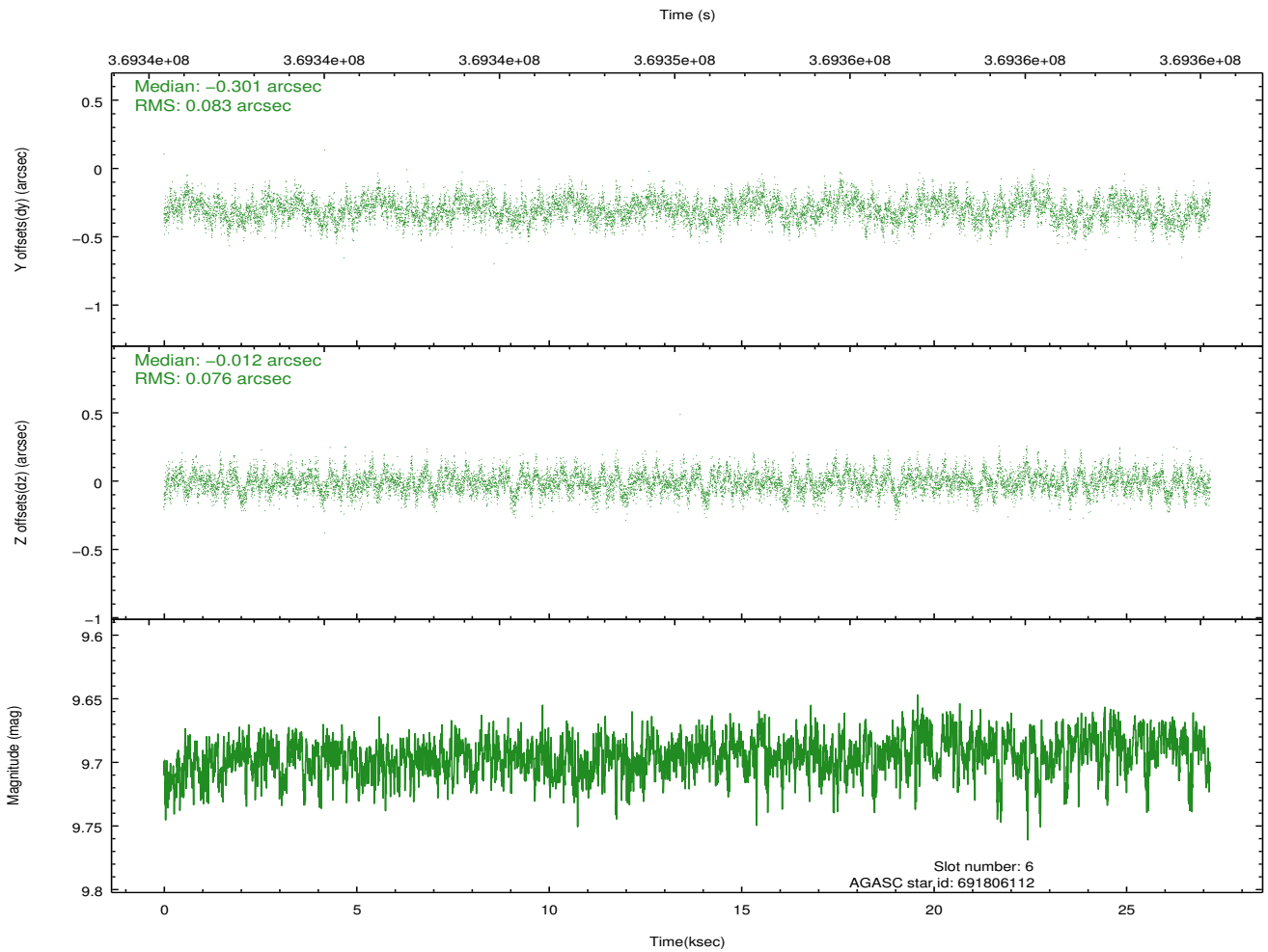
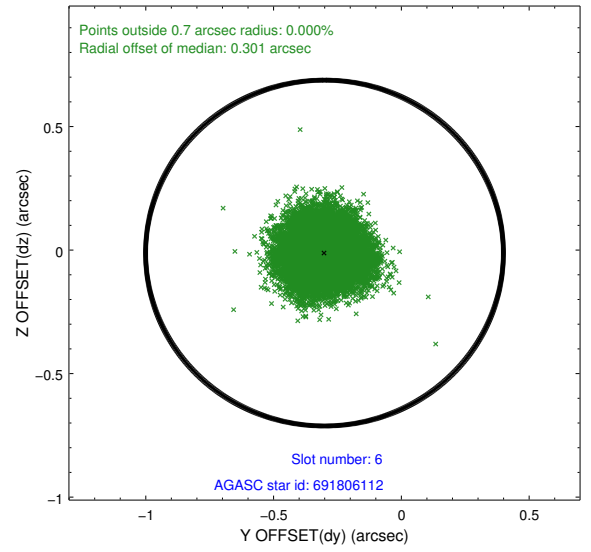
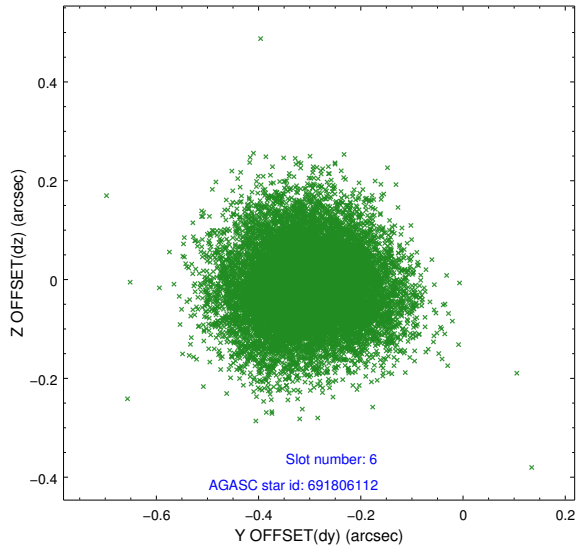
2.4.2 Slot 4



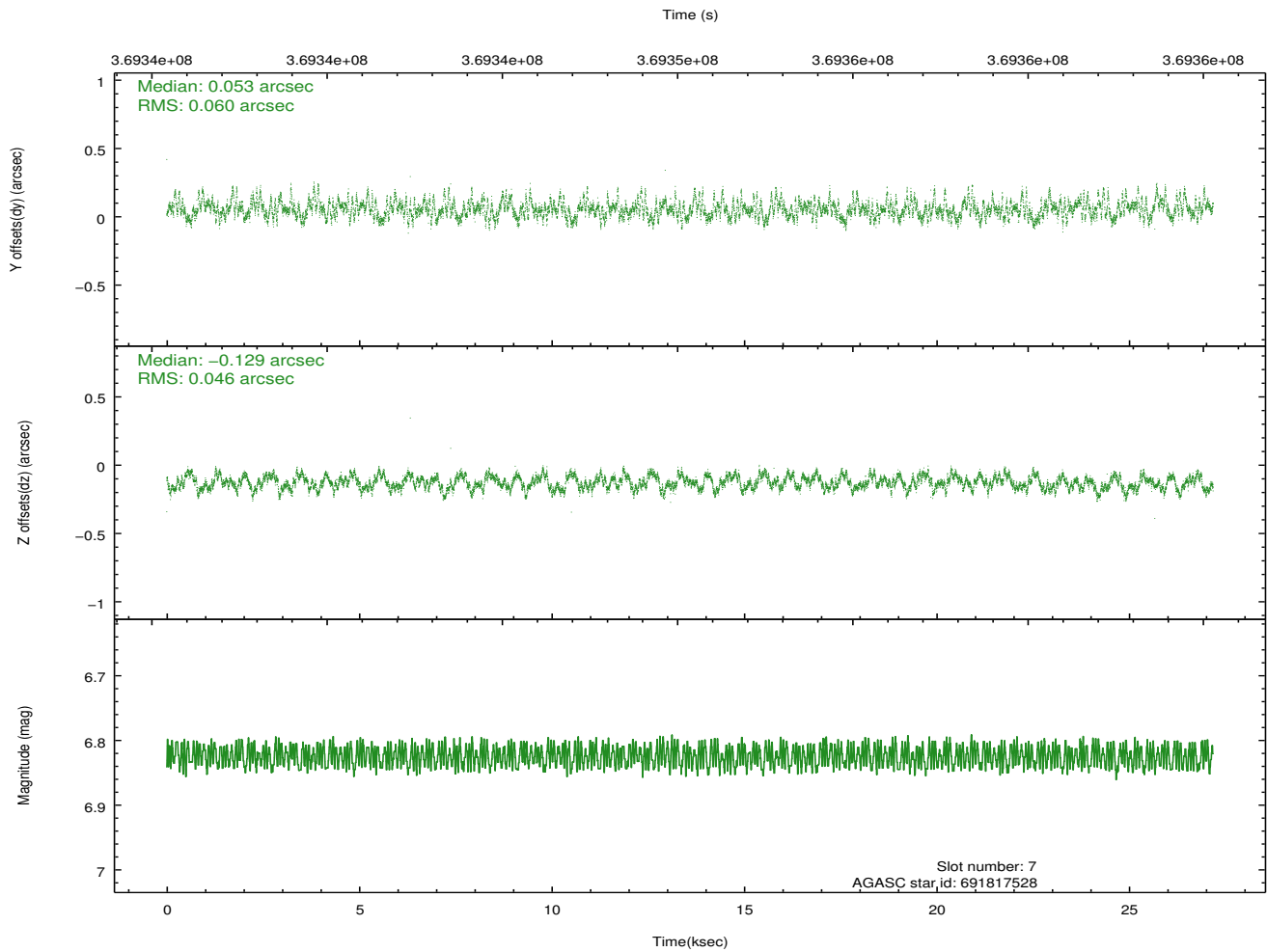
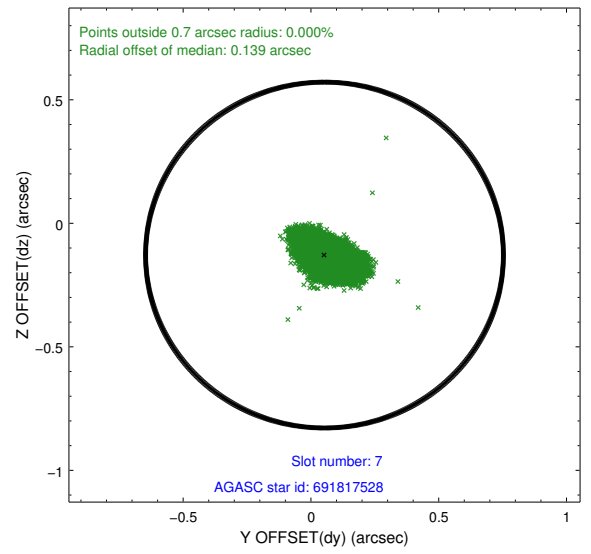
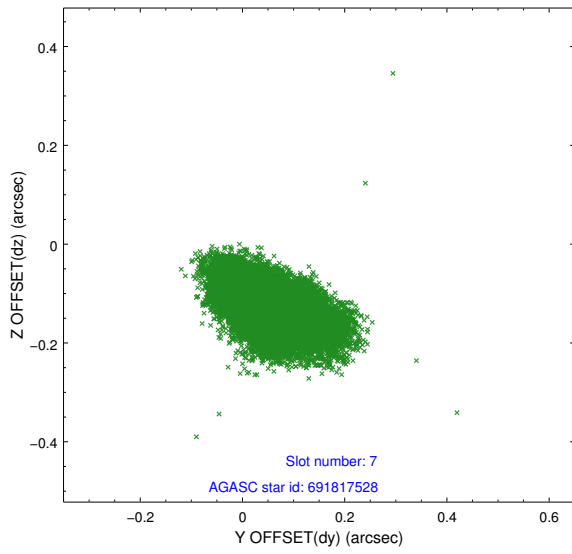
2.4.3 Slot 5



2.4.4 Slot 6

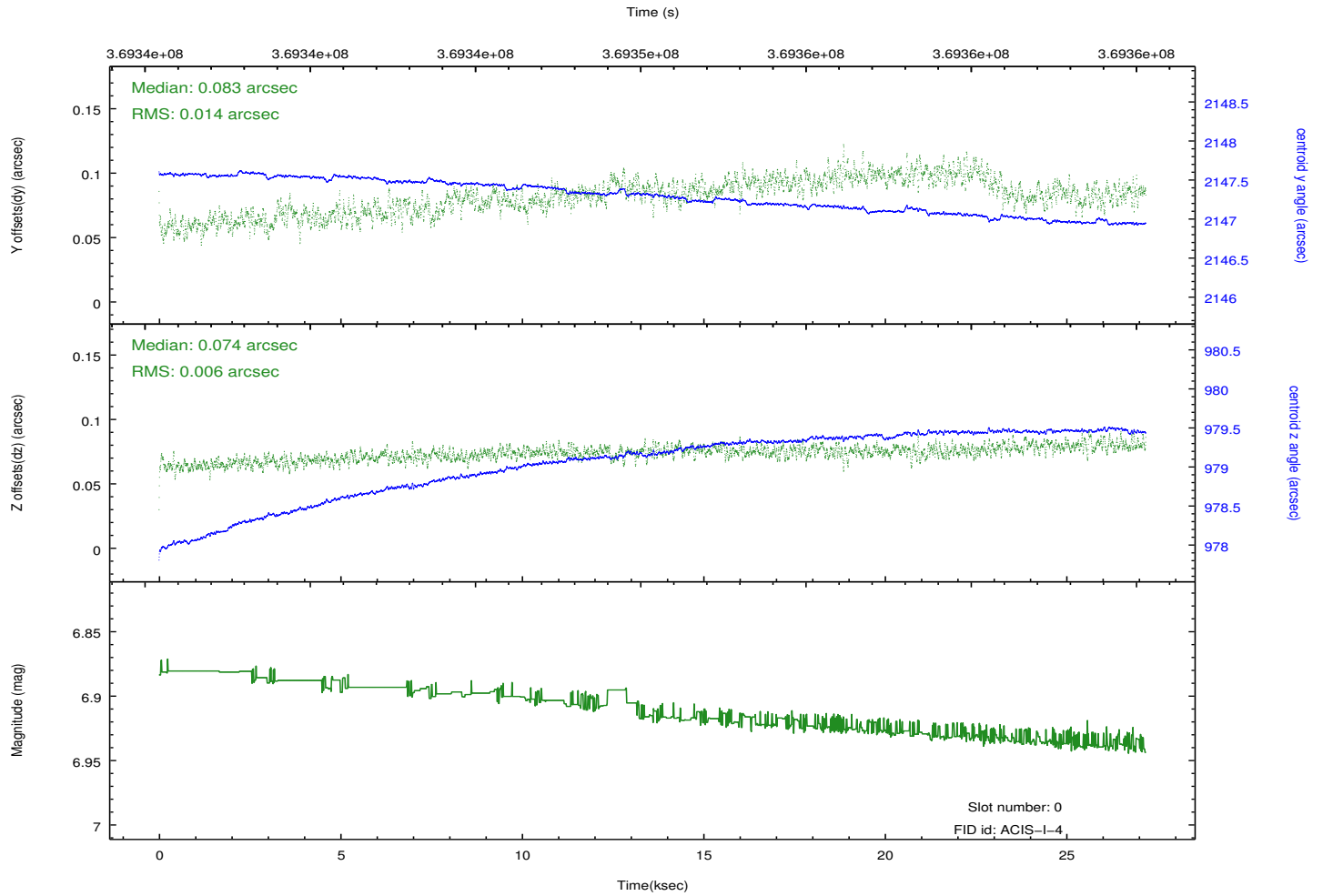
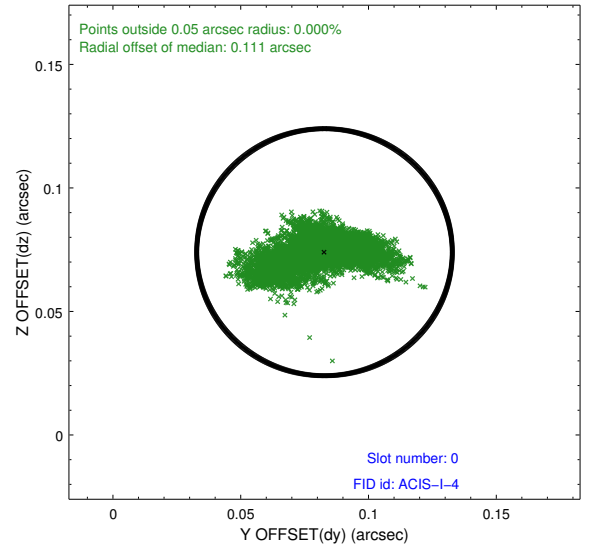
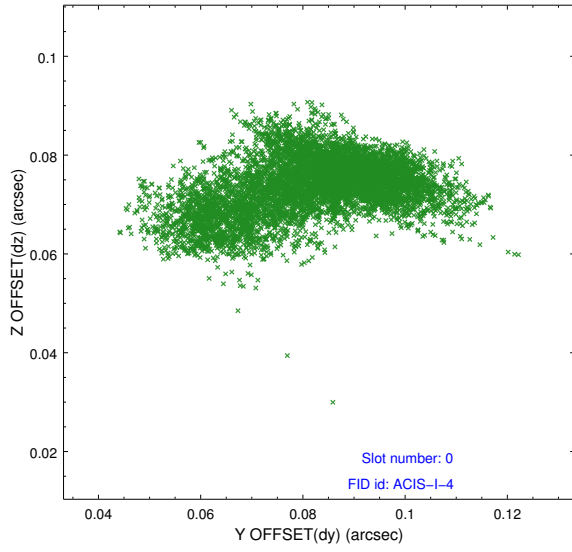


2.4.5 Slot 7

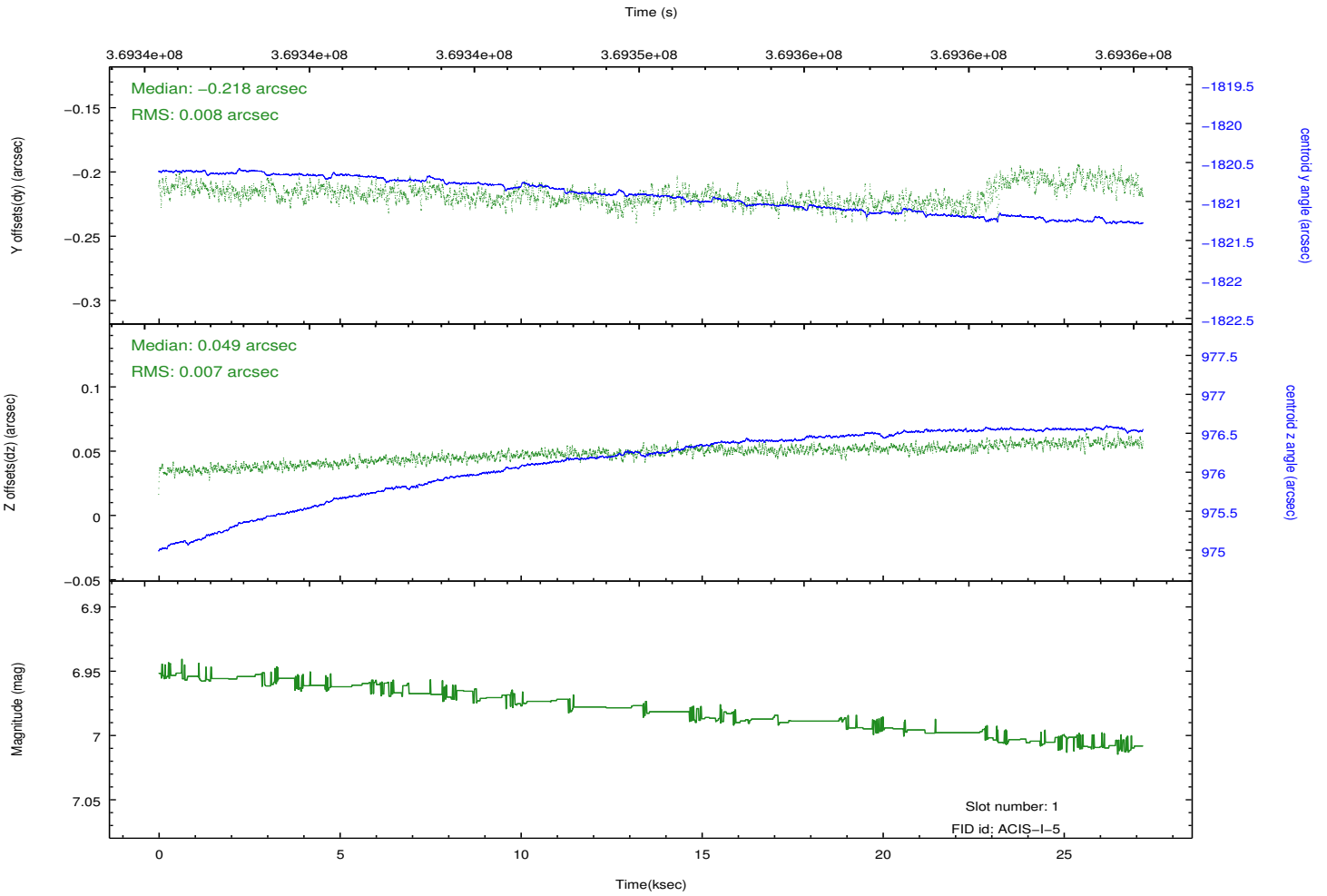
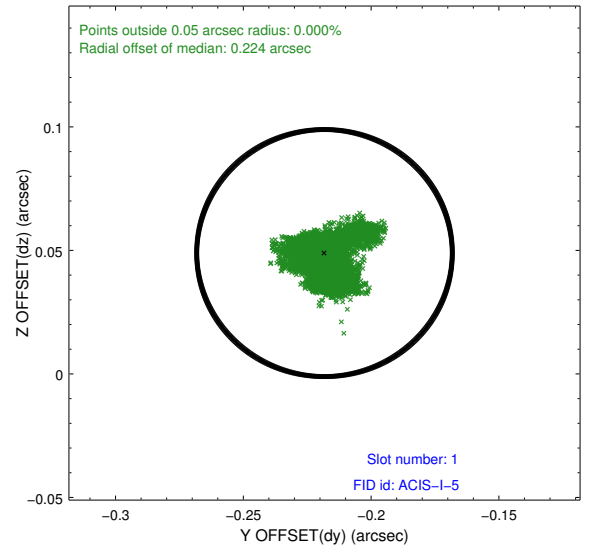
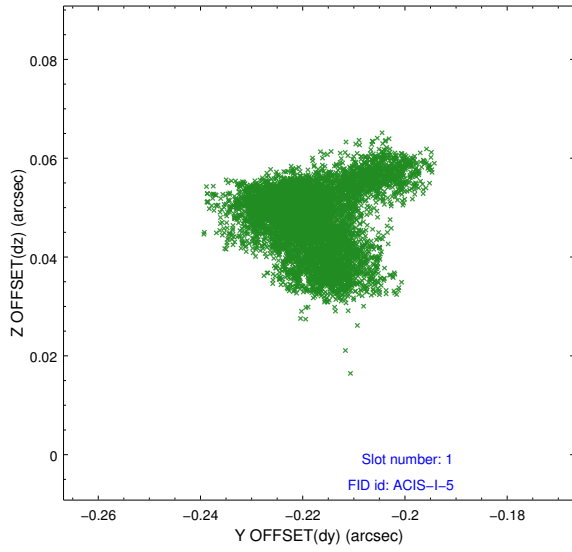


2.5 FID Slots

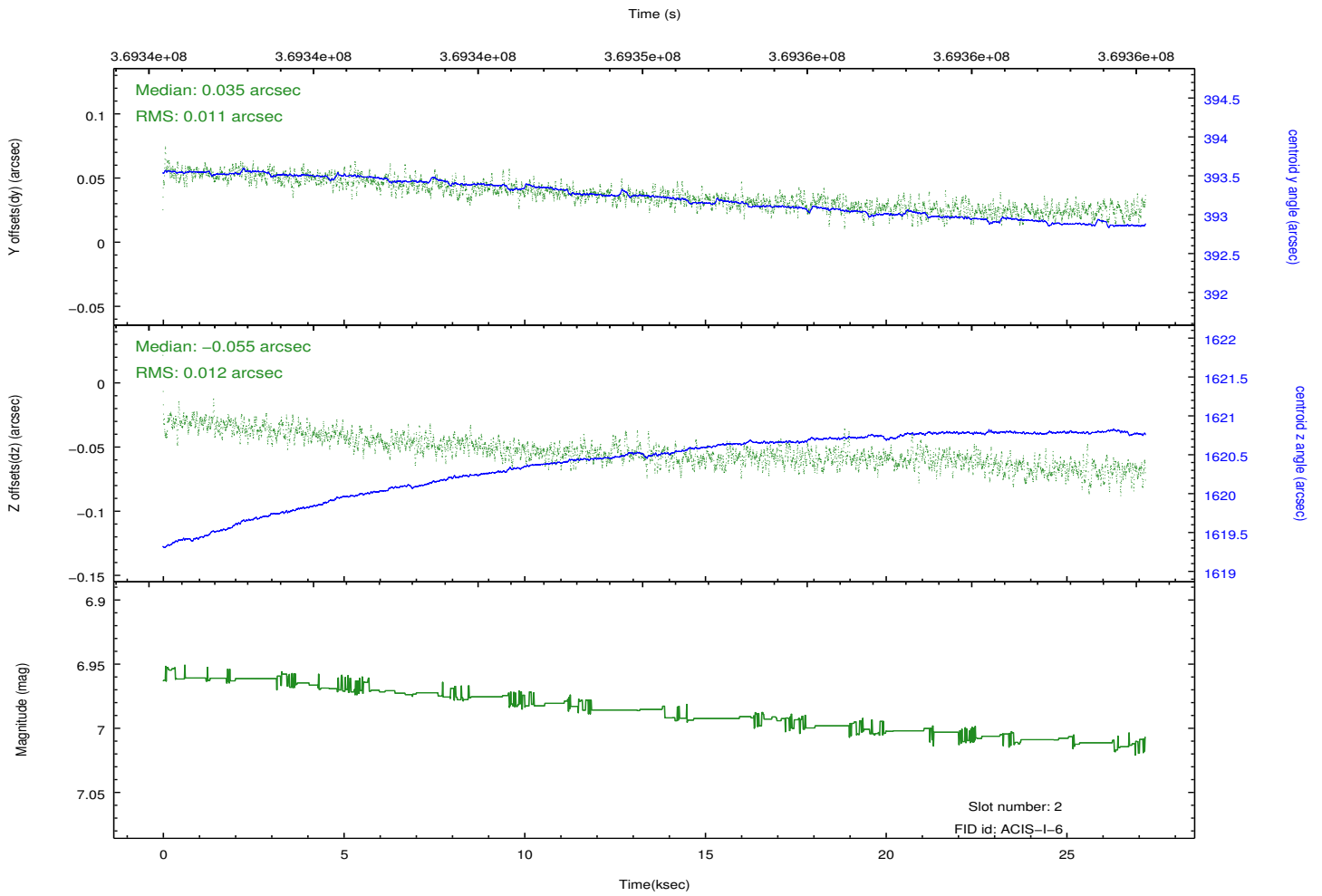
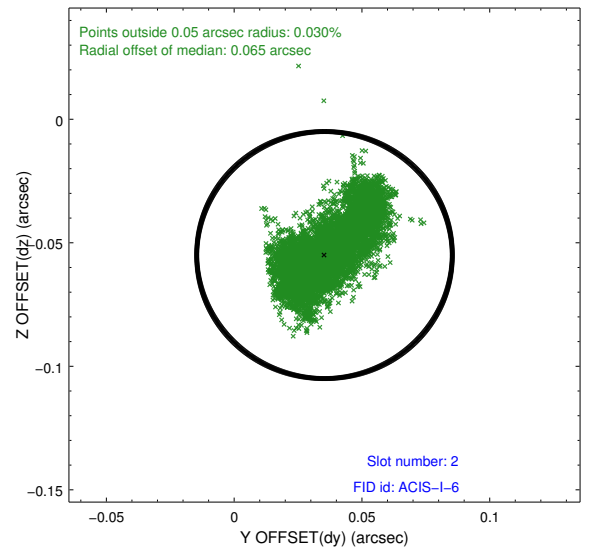
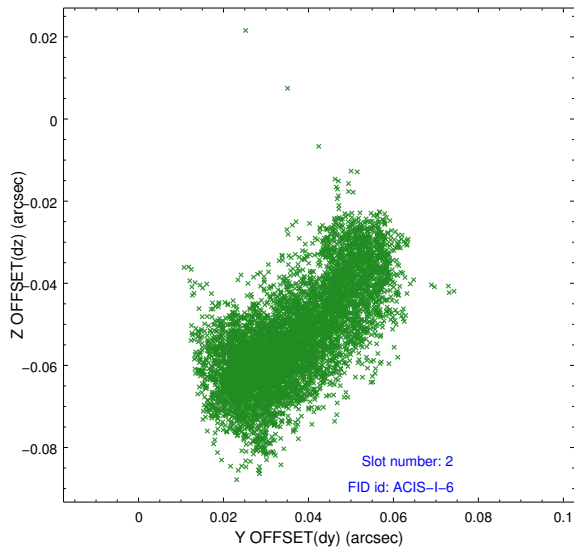
2.5.1 Slot 0



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)	2012.06.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.180759208679

A.2 Comments