

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7324 - L2 Version 2
Chandra X-Ray Center

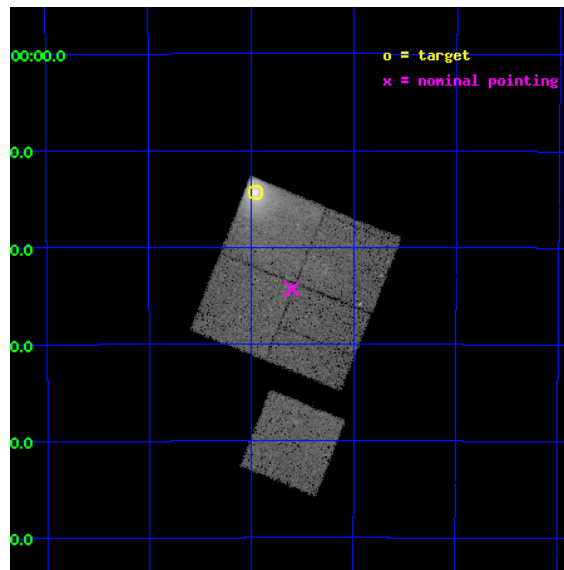
L2 Processing Date : Mar 30 2012

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1 Front

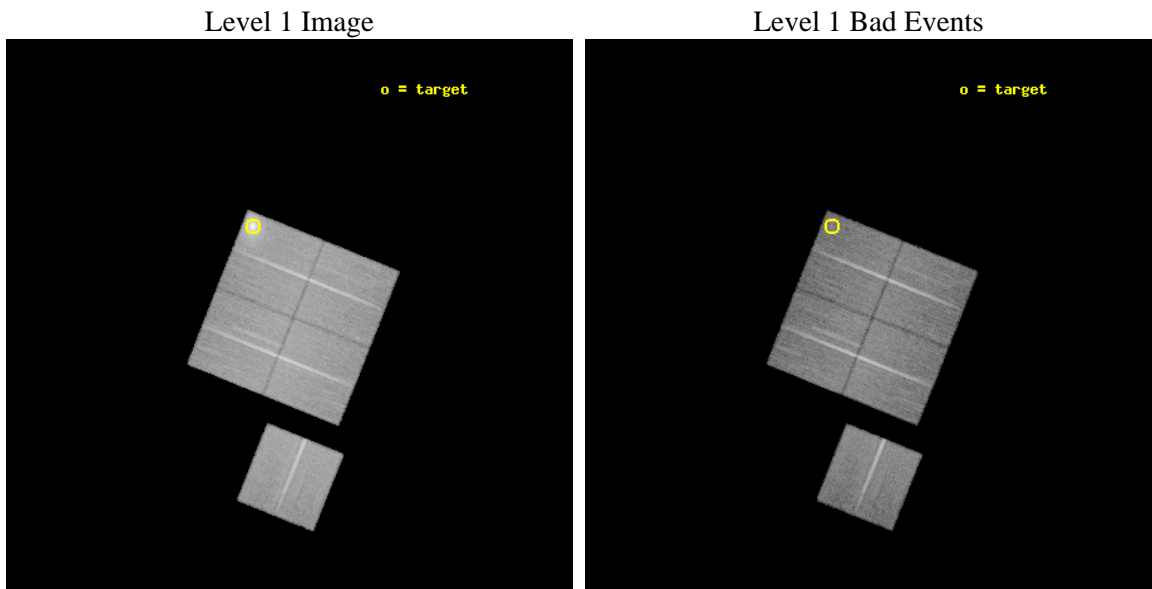
seq_num	800605	Sequence number
obs_id	7324	Observation id
title	VERIFICATION OF THE CLUSTER GAS FRACTION AS A COSMOLOGICAL TOOL	Pr
observer	Dr Maxim Markevitch	Principal investigator
object	A3112_OFF	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.490417	Observer's specified target RA [deg]
dec_targ	-44.238056	Observer's specified target Dec [deg]
ra_nom	49.401086940809	Nominal RA [deg]
dec_nom	-44.404931313242	Nominal Dec [deg]
roll_nom	201.82026094573	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25773.313584596	Sum of GTIs [s]
livetime	25436.566268576	Livetime [s]
ontime0	25763.849673659	Sum of GTIs [s]
ontime1	25773.313584596	Sum of GTIs [s]
ontime2	25770.213634402	Sum of GTIs [s]
ontime3	25767.113714159	Sum of GTIs [s]
ontime6	25773.231504589	Sum of GTIs [s]
l2events	134934	Number of level 2 events



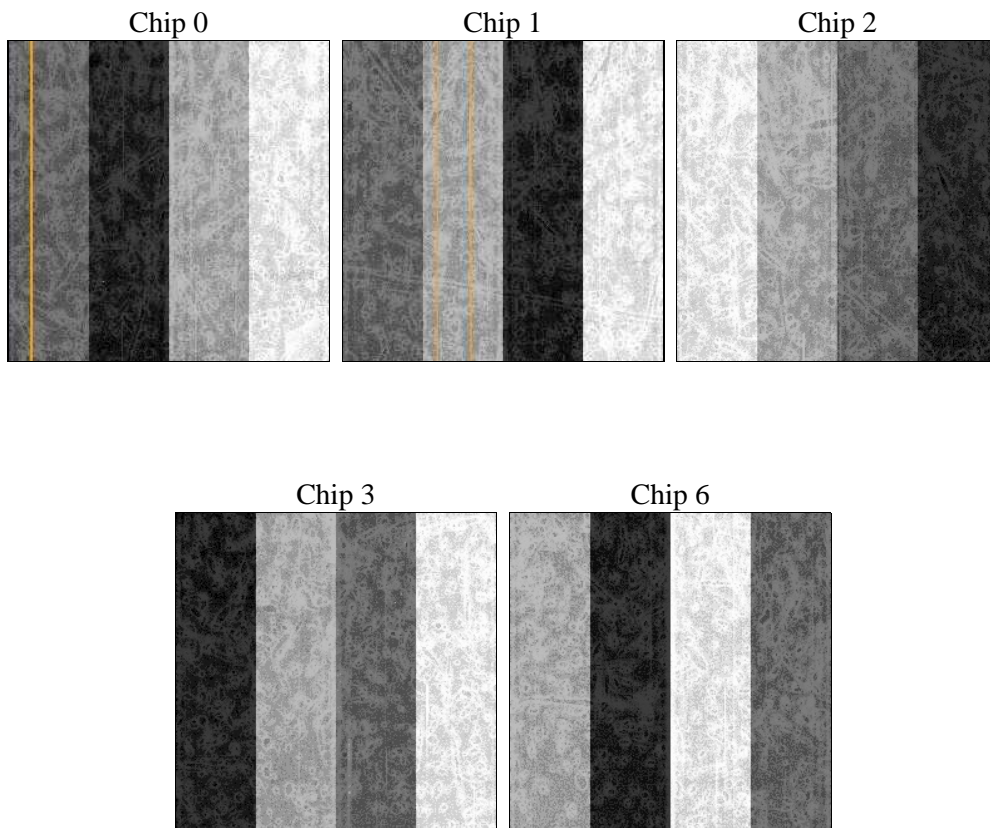
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	26000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	25773.313584596	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	25763.849673659	Sum of GTIs [s]
date	2012-03-30T18:59:37	Date and time of file creation	ontime1	25773.313584596	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	25770.213634402	Sum of GTIs [s]
			ontime3	25767.113714159	Sum of GTIs [s]
			ontime6	25773.231504589	Sum of GTIs [s]
			l1events	1005328	Number of level 1 events

2.1.4 Events

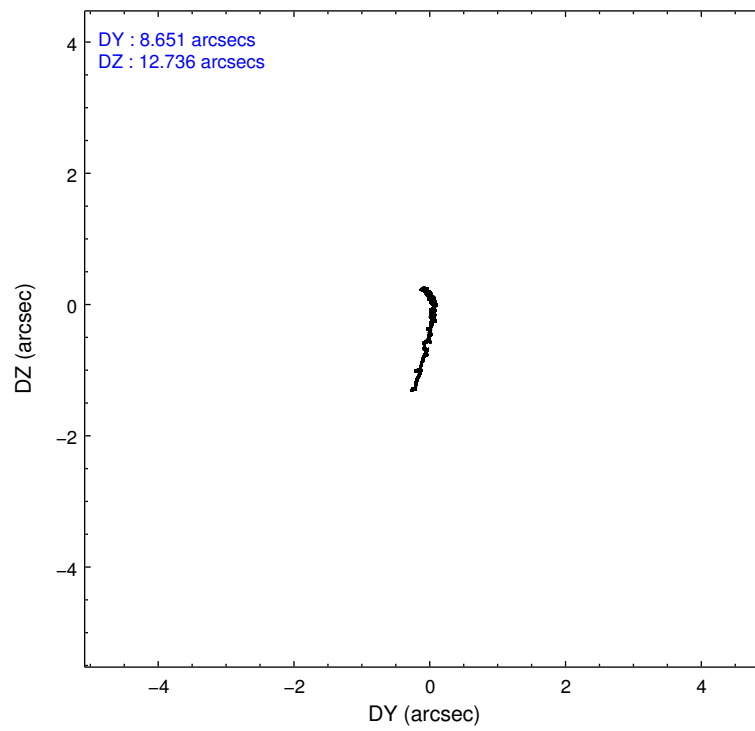
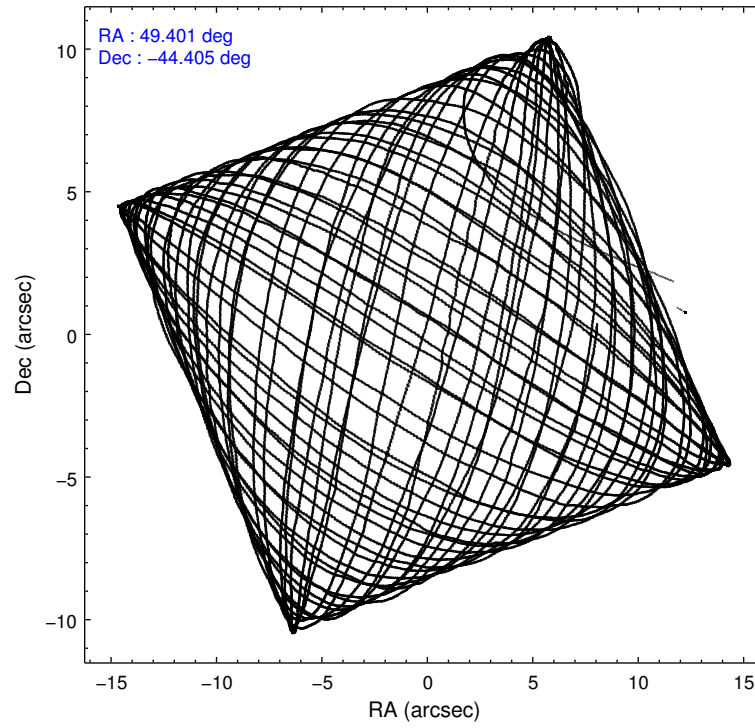
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	184321	235090	202966	191890	191061
rejected events	164043	158432	184352	173183	172226
rejected %	88%	67%	90%	90%	90%

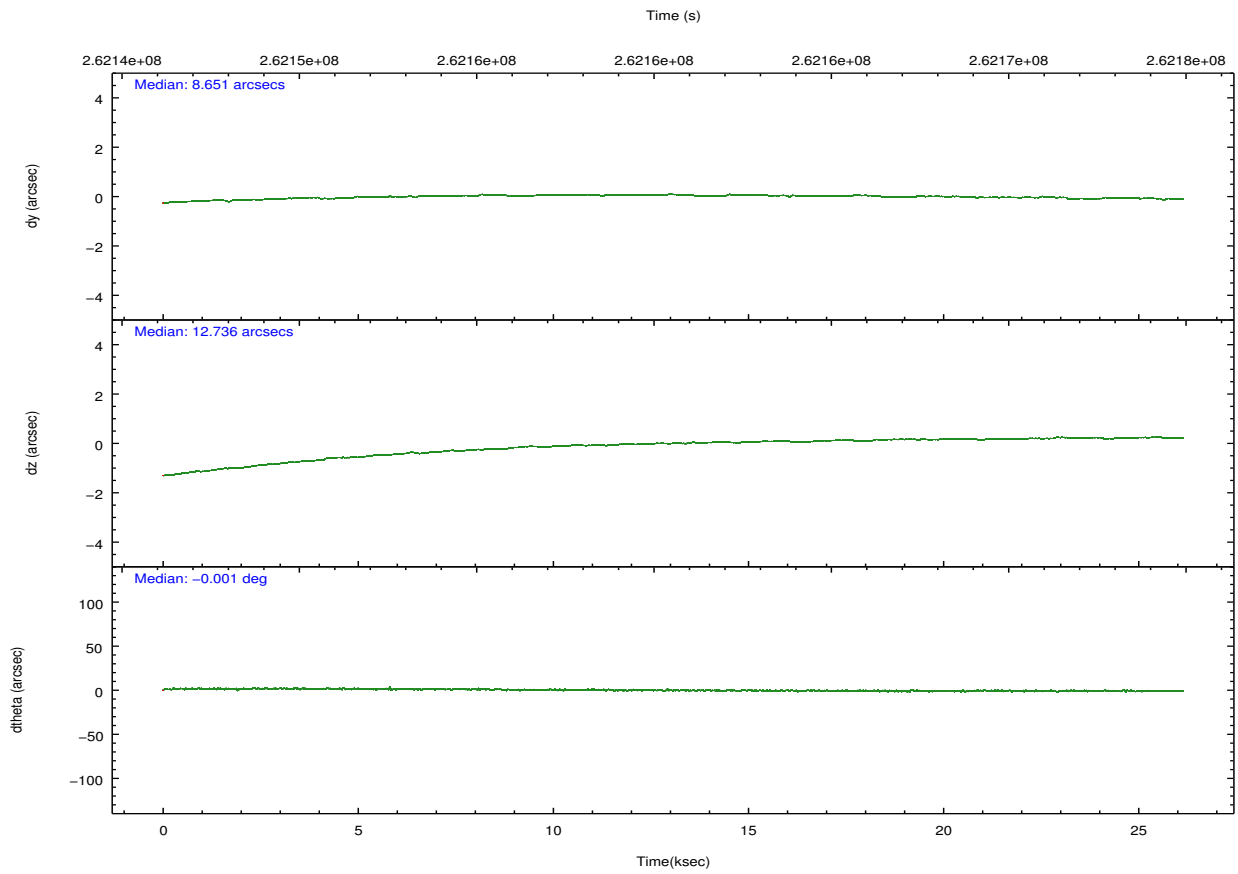
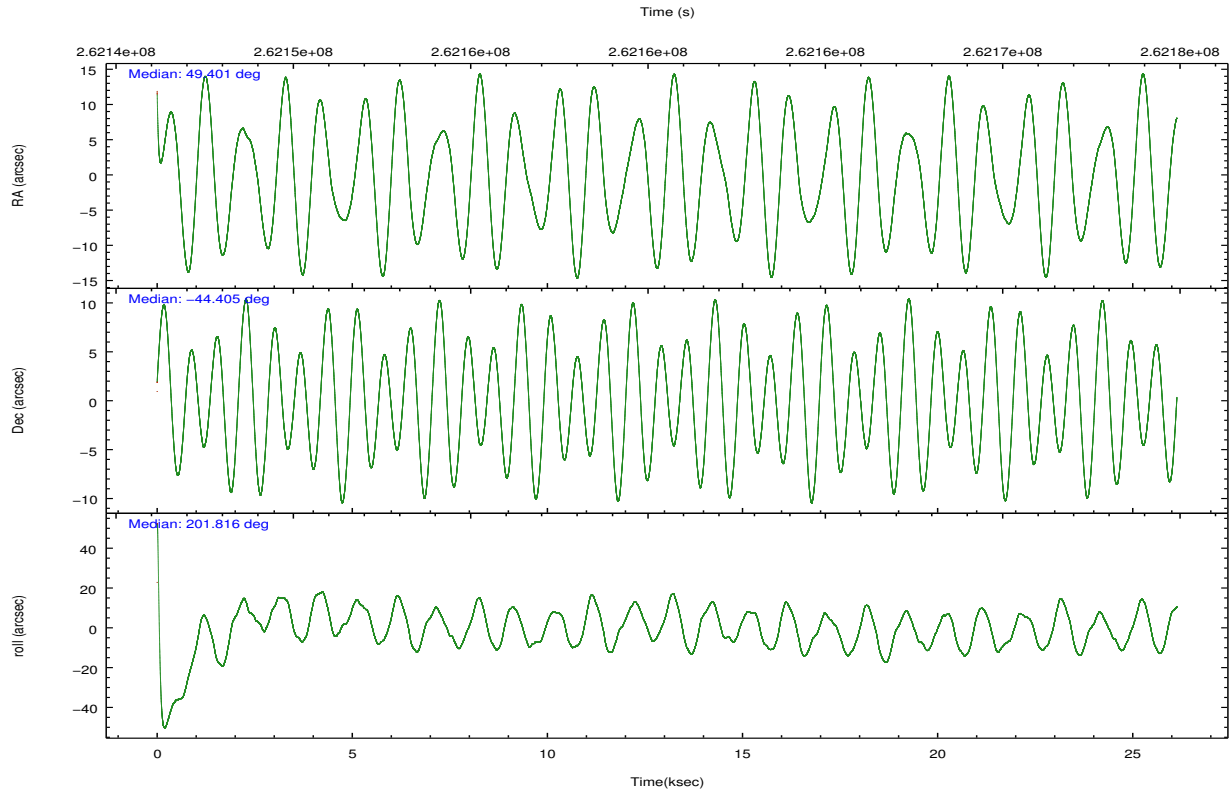
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7810	52643	6594	7091	6476
	4%	22%	3%	3%	3%
grade 1 events	103	282	107	98	86
	0%	0%	0%	0%	0%
grade 2 events	4538	10227	4567	3854	4199
	2%	4%	2%	2%	2%
grade 3 events	2177	4061	1938	2102	2087
	1%	1%	0%	1%	1%
grade 4 events	2049	4005	2073	2091	2077
	1%	1%	1%	1%	1%
grade 5 events	6332	7483	6073	7452	7353
	3%	3%	2%	3%	3%
grade 6 events	3708	5743	3454	3574	4000
	2%	2%	1%	1%	2%
grade 7 events	157604	150646	178160	165628	164783
	85%	64%	87%	86%	86%

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	49.424665	49.40108694080925	Subarray requested	NONE	NONE
[deg] Pointing Dec	-44.383333	-44.40493131324195	Alternating exposures requested	N	N
[deg] Pointing Roll	201.628022	201.8202609457262	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	262147603.184000	262145951.89101			
Observation start date	2006-04-23T02:45:38	2006-04-23T02:19:11			
[s] Observation end time (MET)	262173603.184000	262173926.19232			
Observation end date	2006-04-23T09:58:58	2006-04-23T10:05:26			
Read mode	TIMED	TIMED			

2.3 Aspect



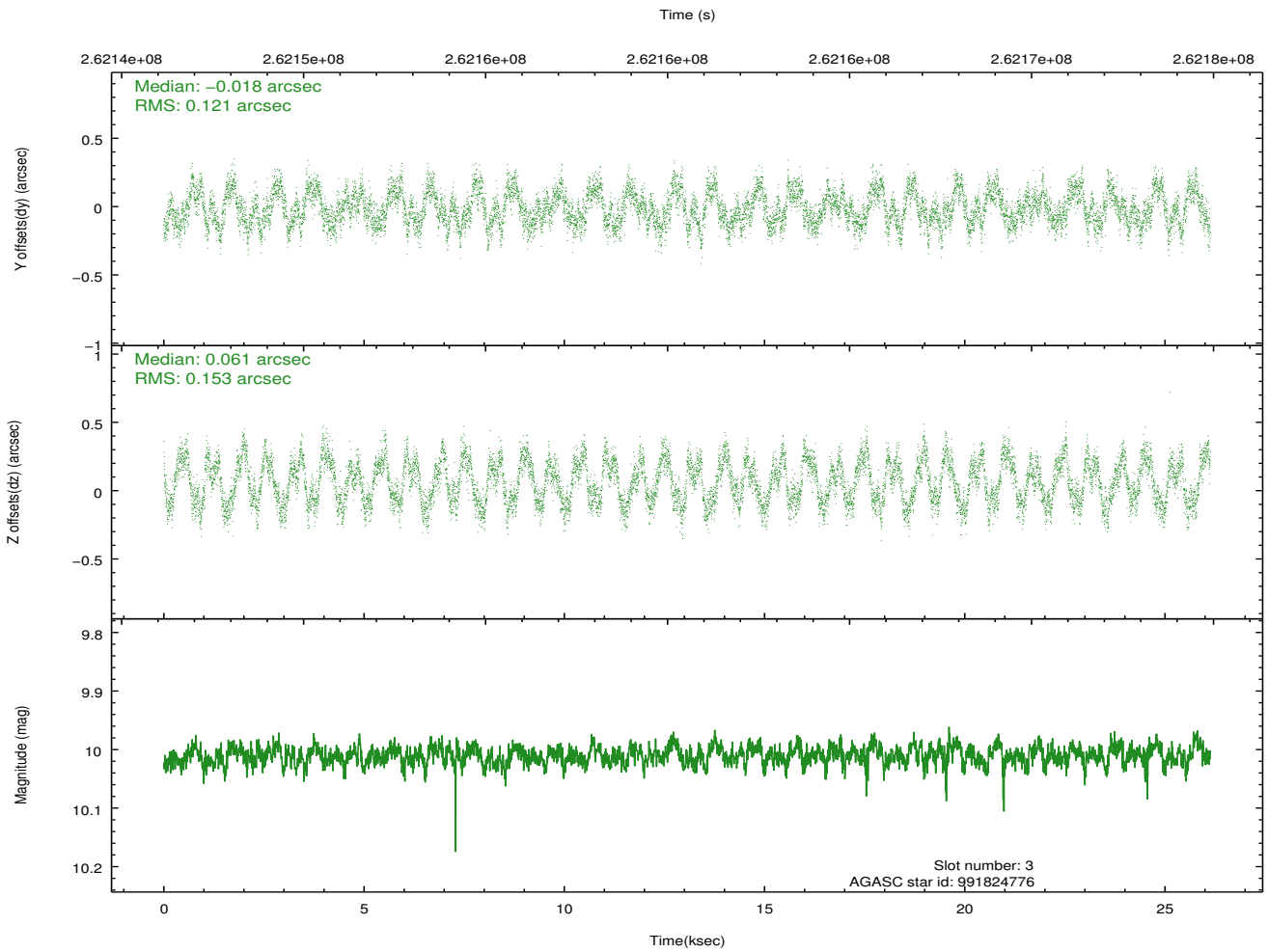
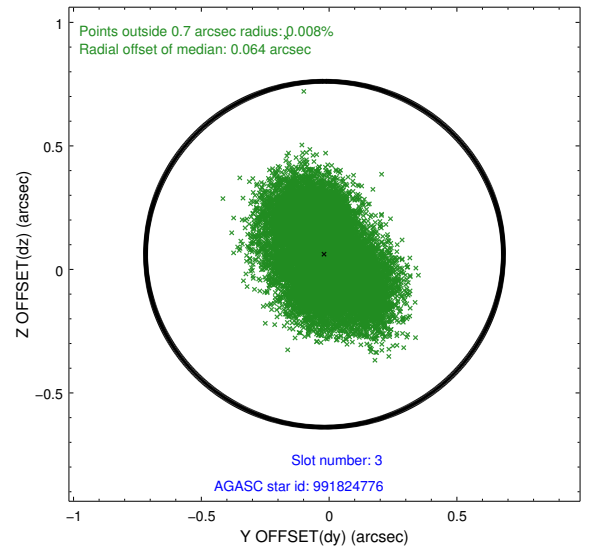
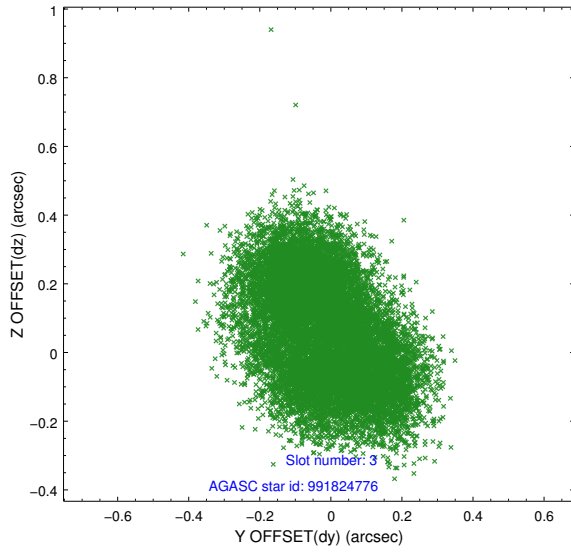


Slot Statistics

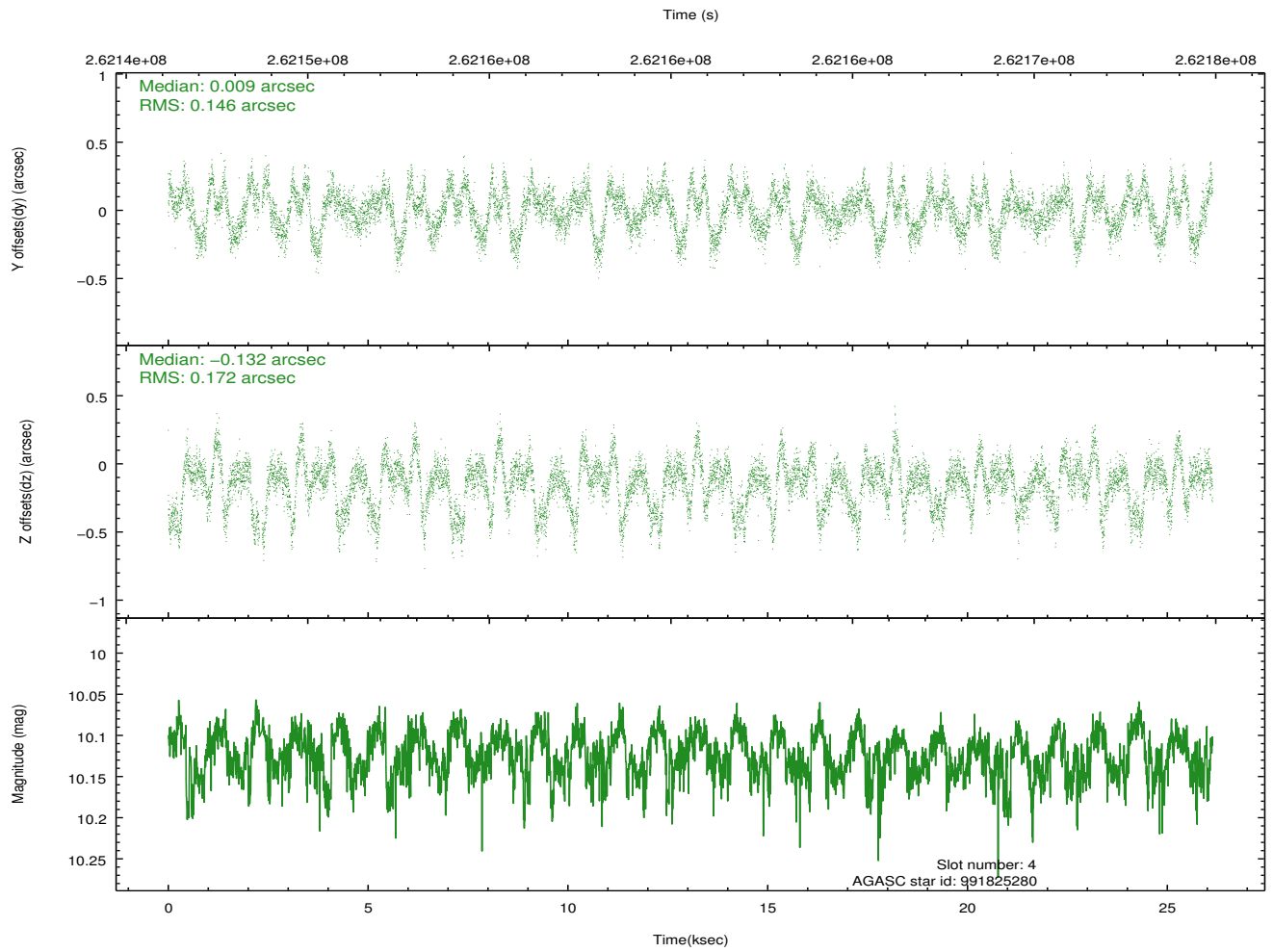
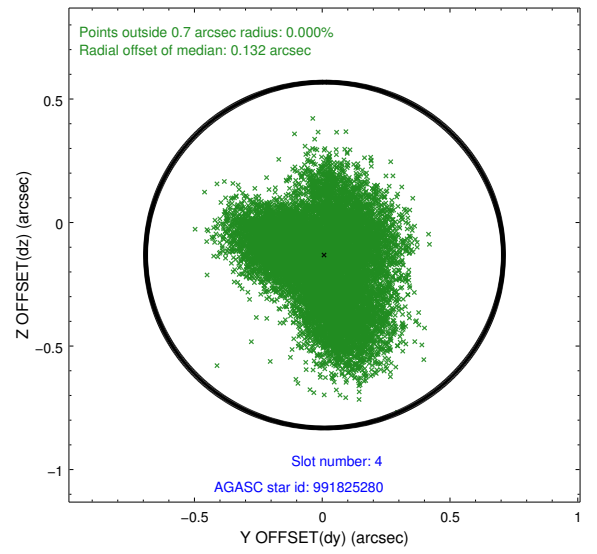
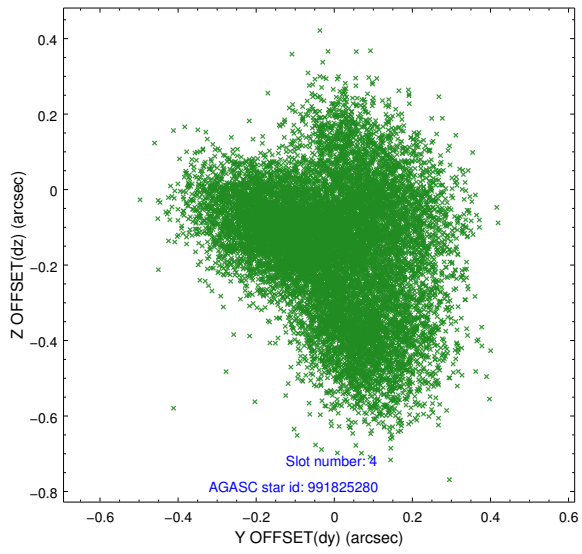
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	6374	0.051	0.009	0.018	0.039	0.000000	0.000000	931.04	-836.12
1	FID	ACIS-I-5	7.22	6374	-0.194	0.066	0.009	0.015	0.000000	0.000000	-1817.23	1061.42
2	FID	ACIS-I-6	7.25	6374	0.054	-0.003	0.012	0.038	0.000000	0.000000	396.51	1705.95
3	GUIDE	991824776	10.01	12734	-0.018	0.061	0.213	0.316	49.926666	-44.024984	-1681.49	-716.46
4	GUIDE	991825280	10.12	12657	0.009	-0.132	0.246	0.380	49.472332	-44.701981	309.97	1111.33
5	GUIDE	991828952	10.09	12723	-0.012	0.173	0.183	0.301	49.103151	-44.358377	737.29	-386.50
6	GUIDE	991830024	9.86	12737	0.107	-0.092	0.169	0.265	49.738345	-44.185535	-1013.99	-362.04
7	GUIDE	991831072	7.76	12743	-0.089	0.024	0.133	0.193	48.737752	-44.120462	1304.45	-1526.86

2.4 Star Slots

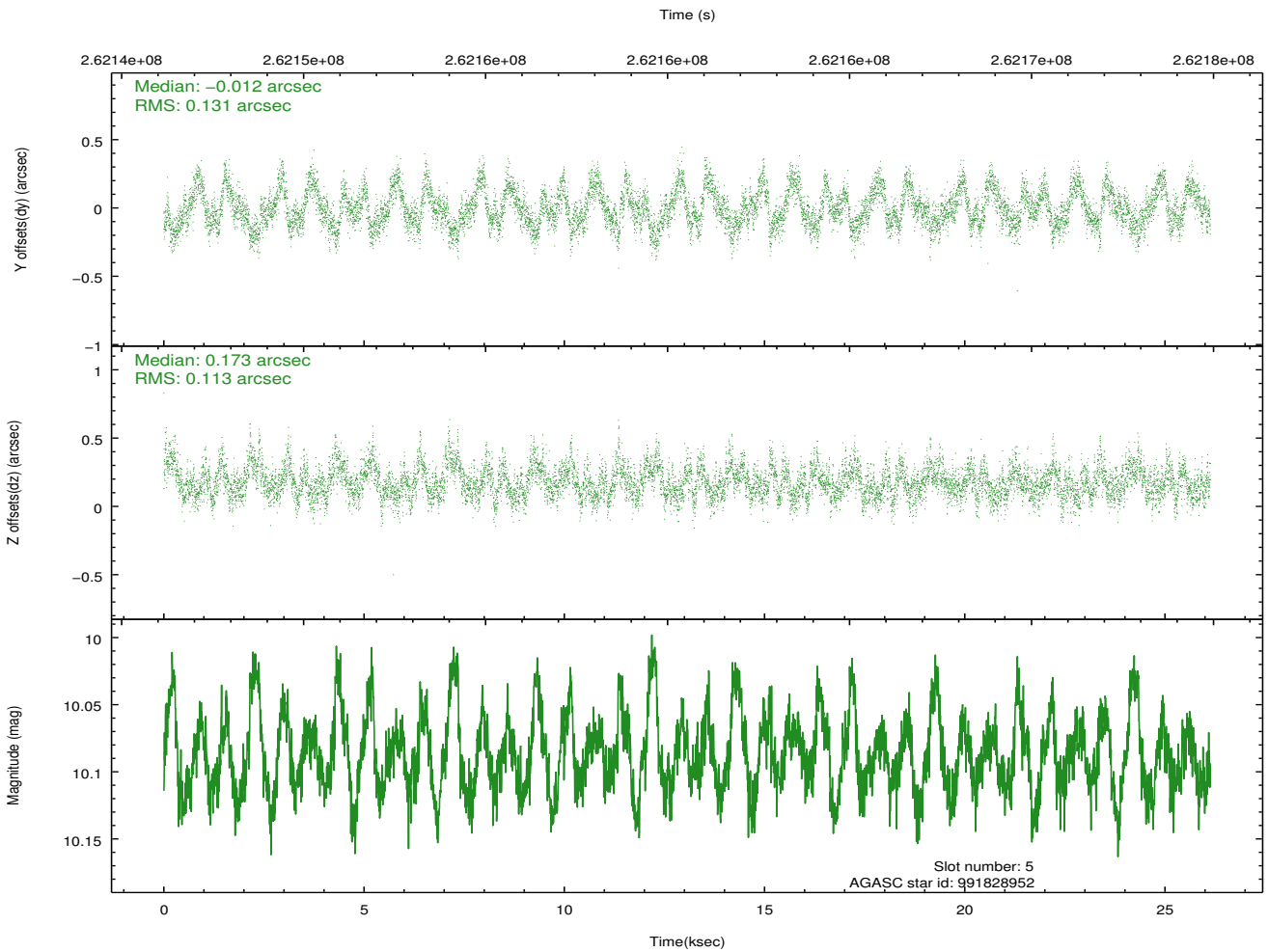
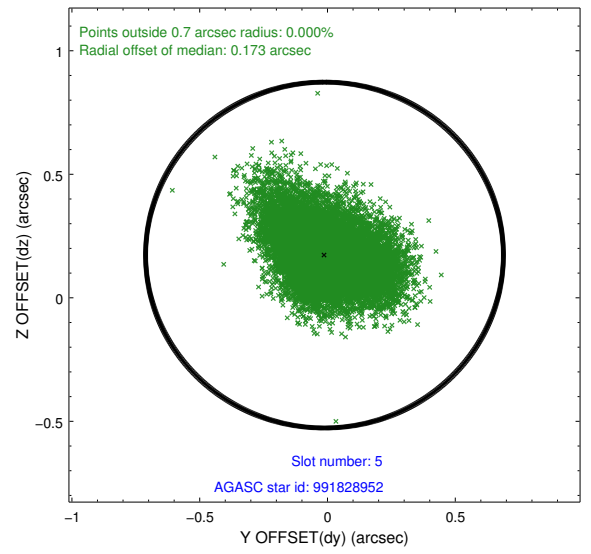
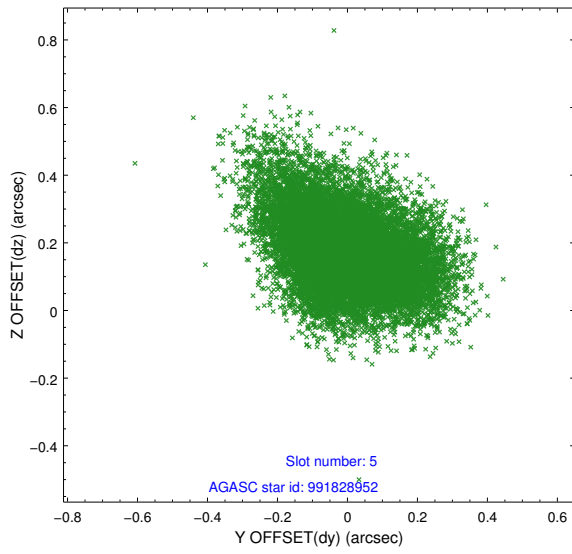
2.4.1 Slot 3



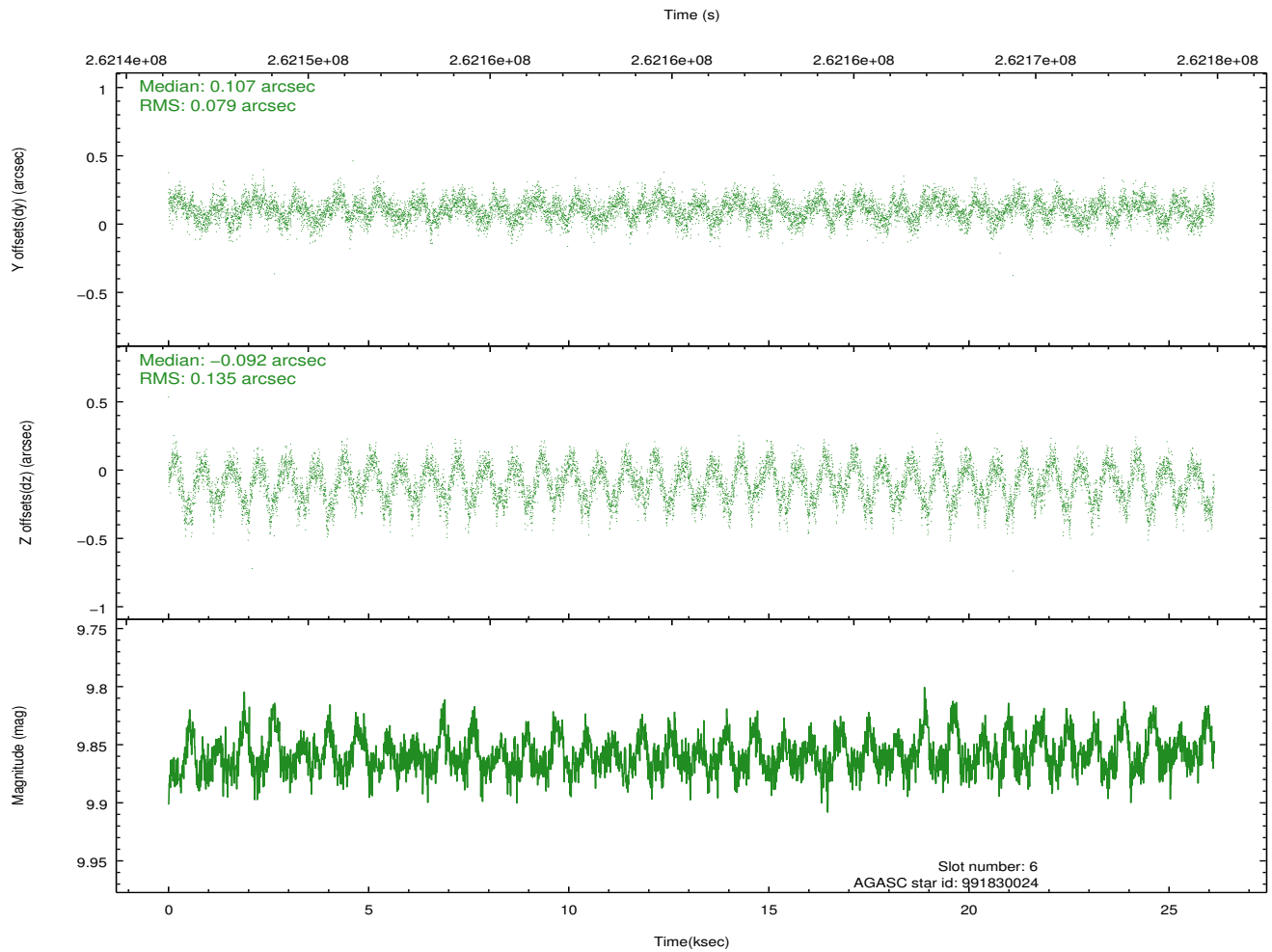
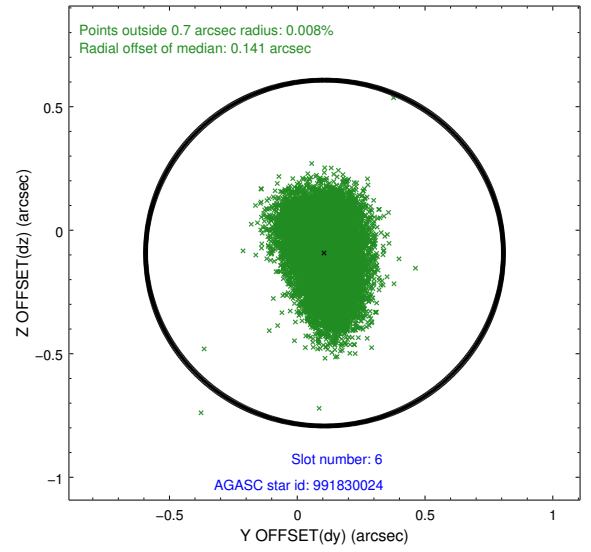
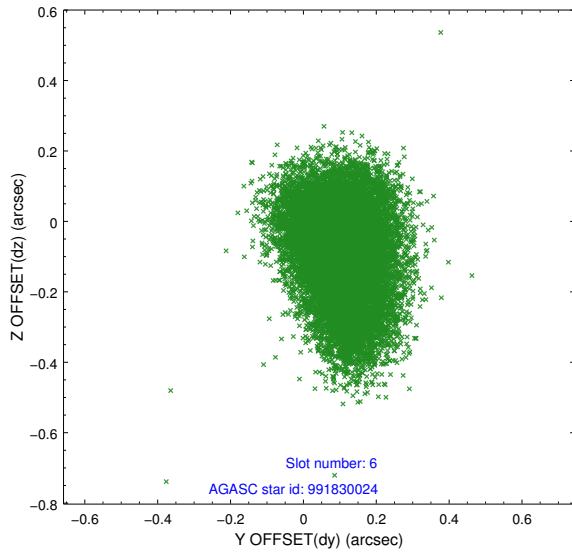
2.4.2 Slot 4



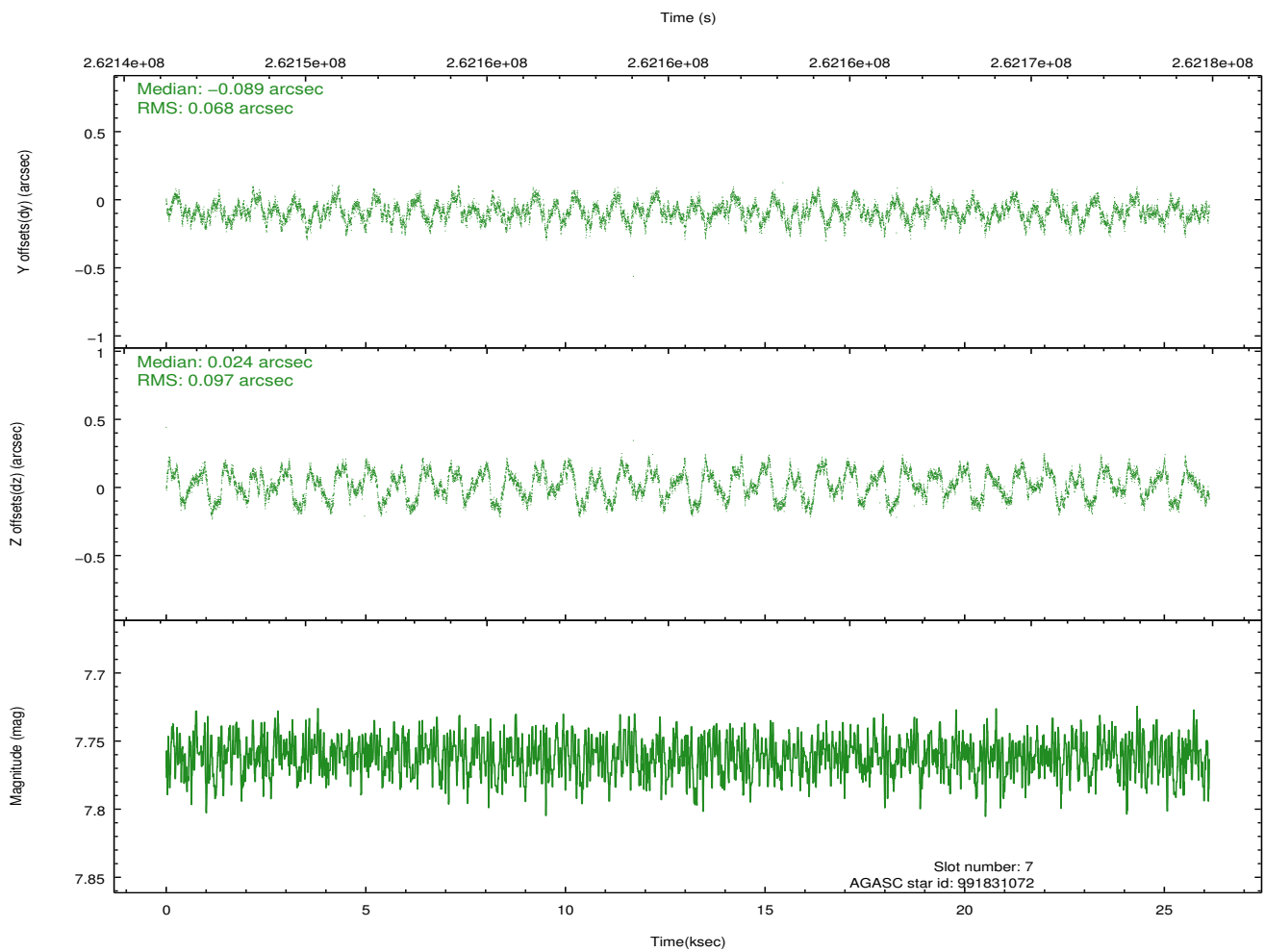
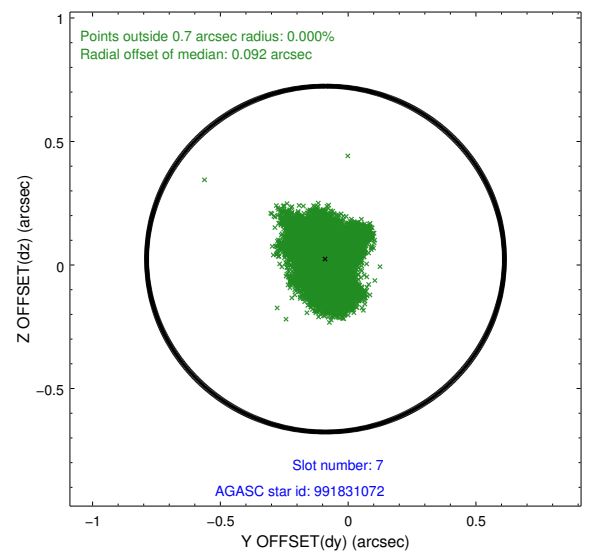
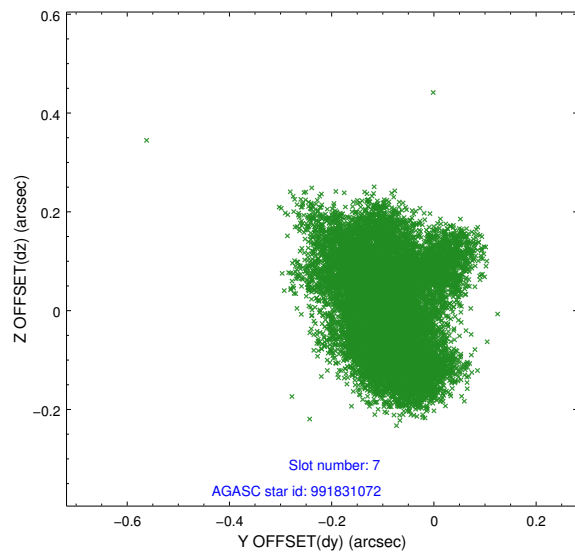
2.4.3 Slot 5



2.4.4 Slot 6

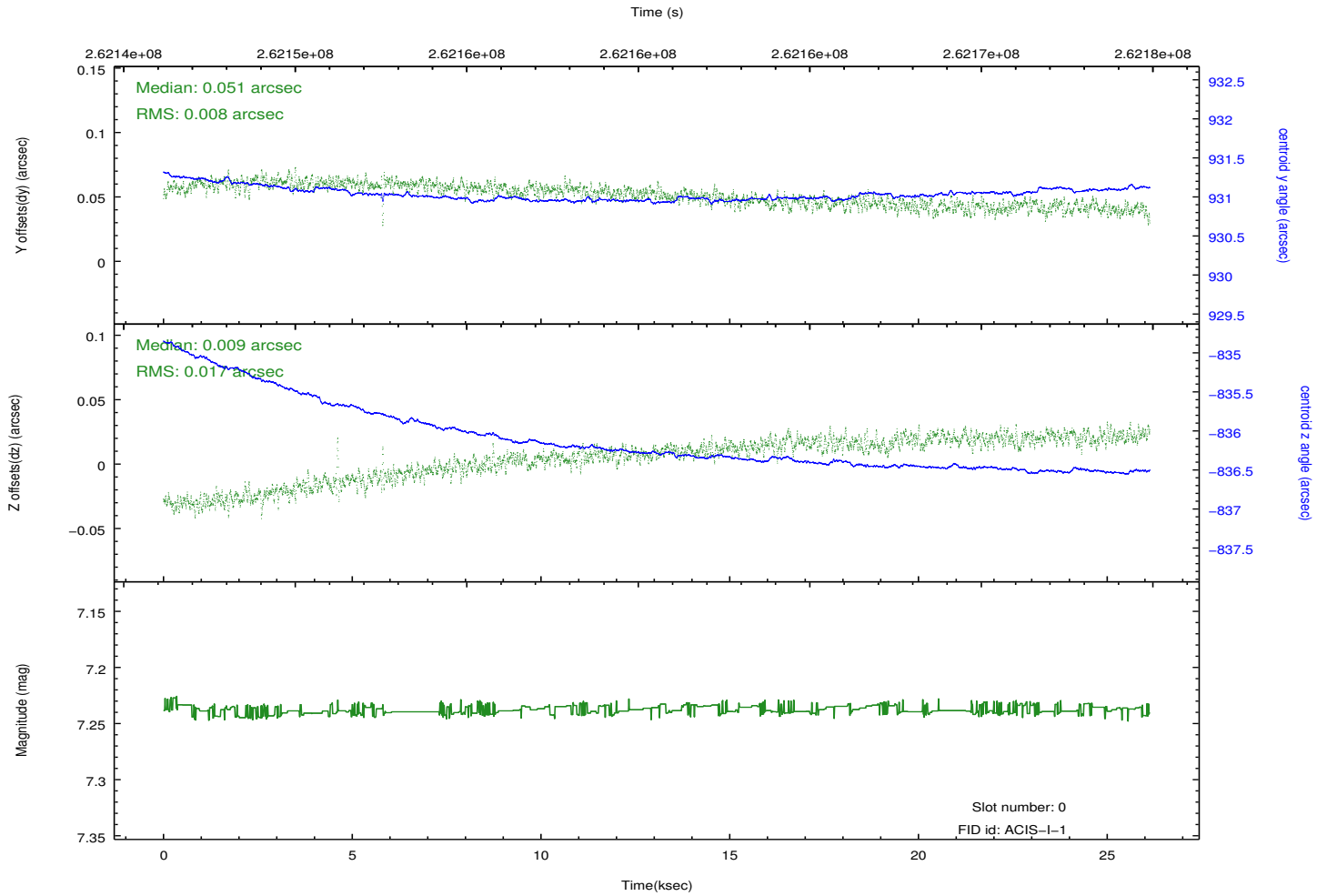
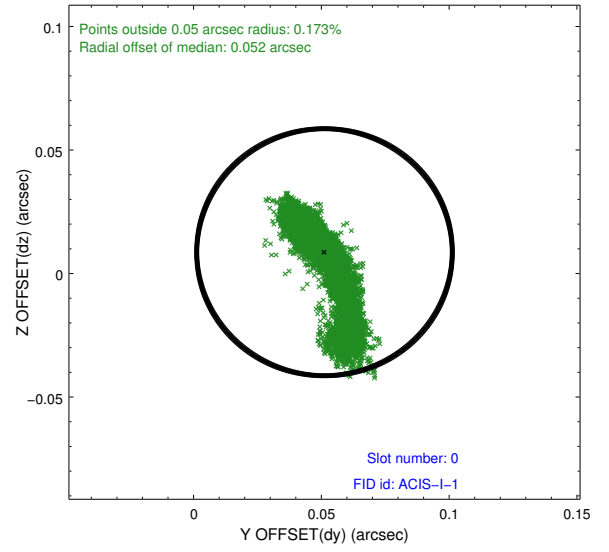
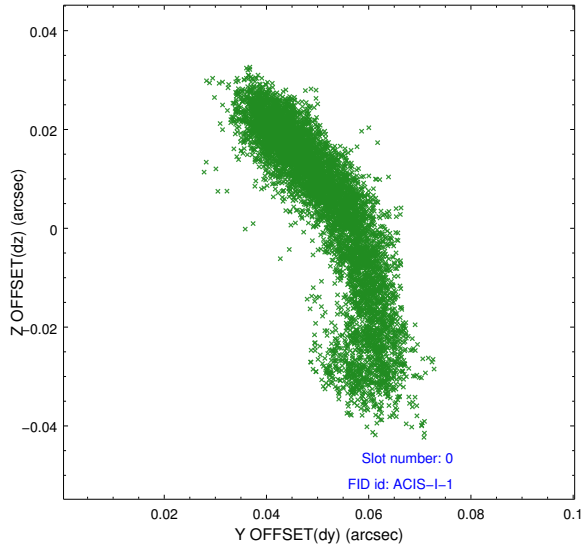


2.4.5 Slot 7

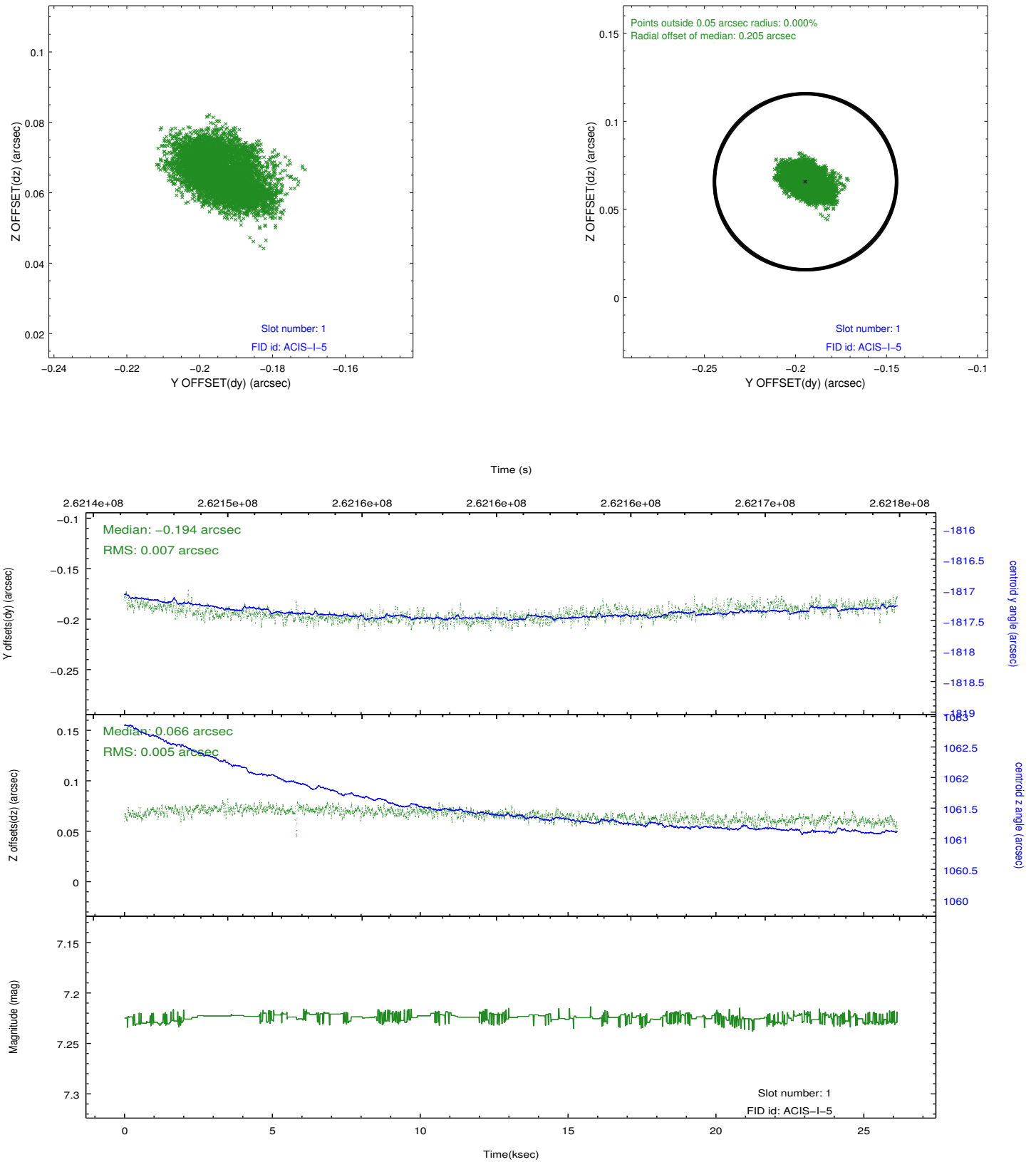


2.5 FID Slots

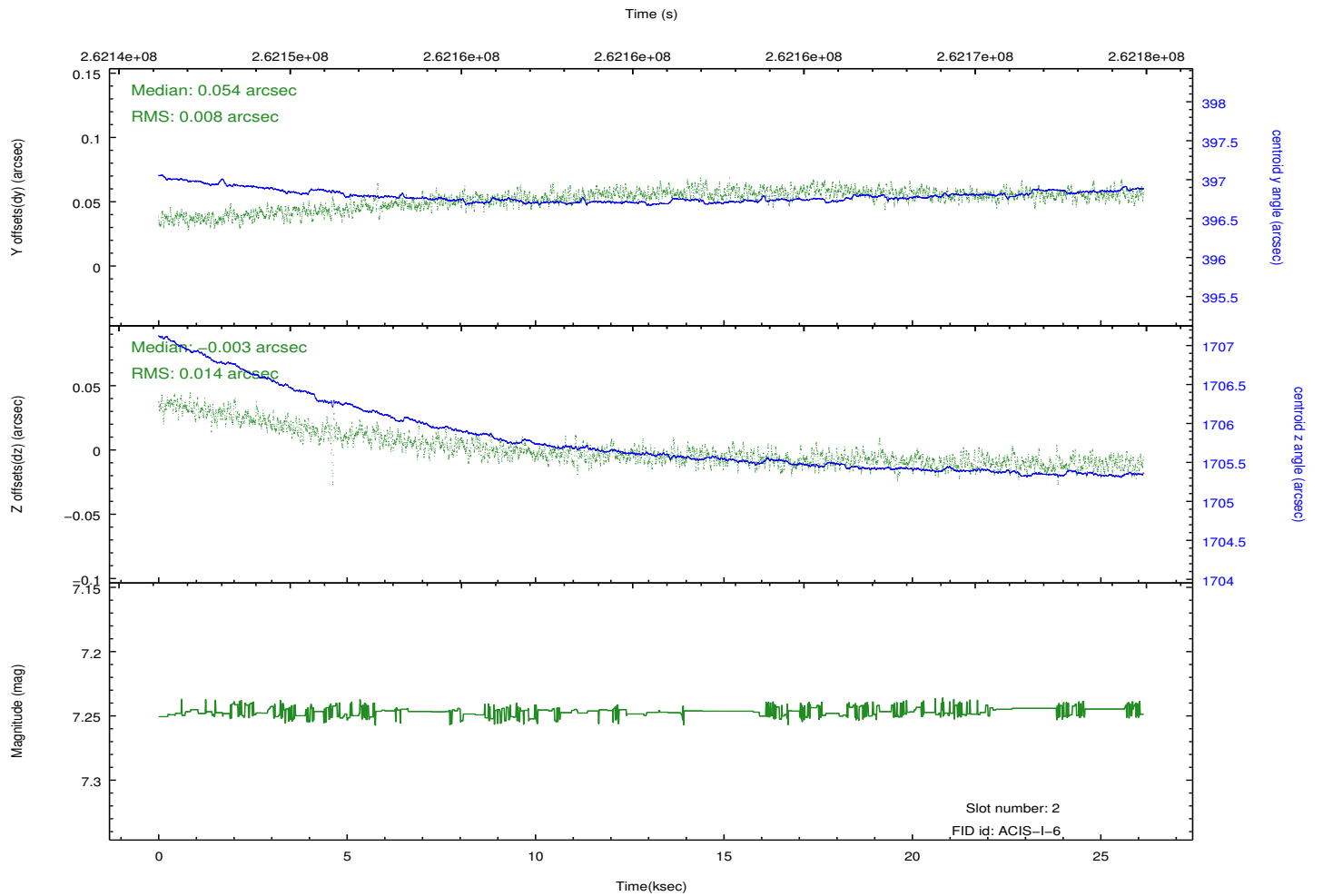
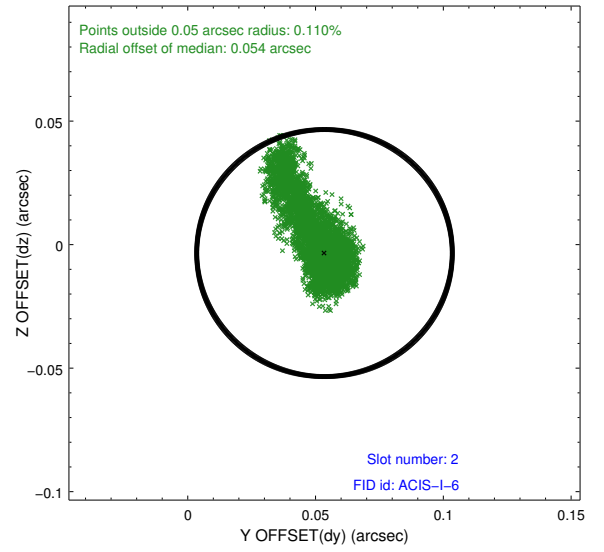
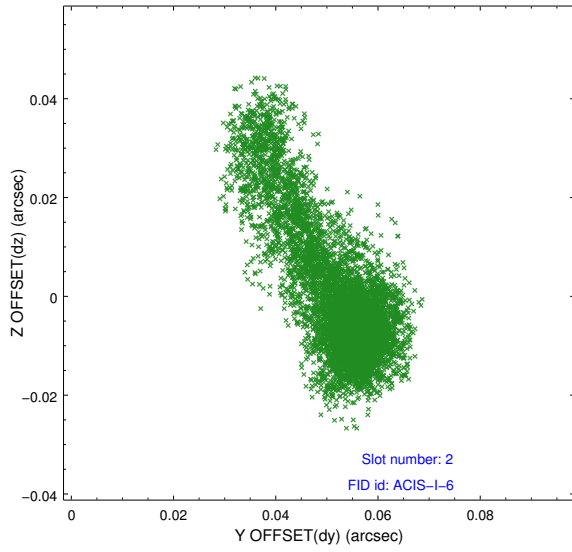
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.7733999

A.2 Comments