

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6989 - L2 Version 2
Chandra X-Ray Center

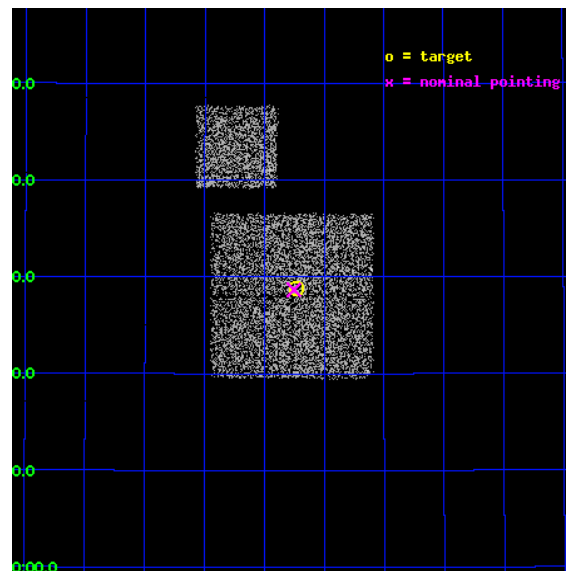
L2 Processing Date : Apr 12 2012

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1 Front

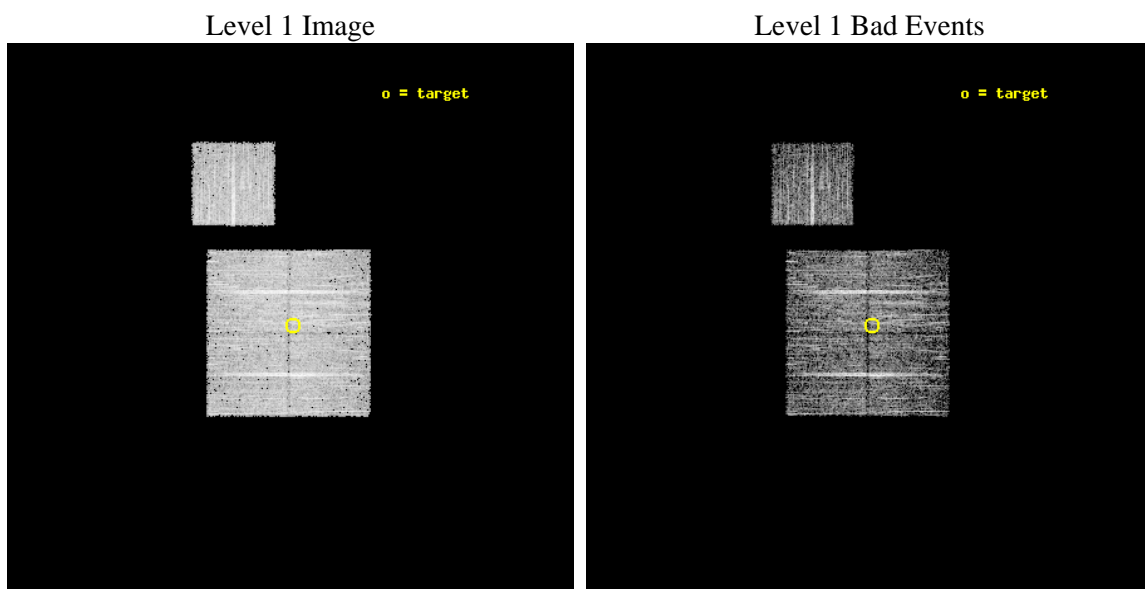
seq_num	900405	Sequence number
obs_id	6989	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (A)	Propo
observer	Dr. Stephen Murray	Principal investigator
object	Bootes2 11	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.8082	Observer's specified target RA [deg]
dec_targ	33.479569	Observer's specified target Dec [deg]
ra_nom	217.81339864091	Nominal RA [deg]
dec_nom	33.477858383268	Nominal Dec [deg]
roll_nom	0.20580463395498	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4777.0909078717	Sum of GTIs [s]
livetime	4714.6746983172	Livetime [s]
ontime0	4776.9677878618	Sum of GTIs [s]
ontime1	4773.8678376079	Sum of GTIs [s]
ontime2	4777.0498678684	Sum of GTIs [s]
ontime3	4777.0909078717	Sum of GTIs [s]
ontime6	4776.9267478585	Sum of GTIs [s]
l2events	13784	Number of level 2 events



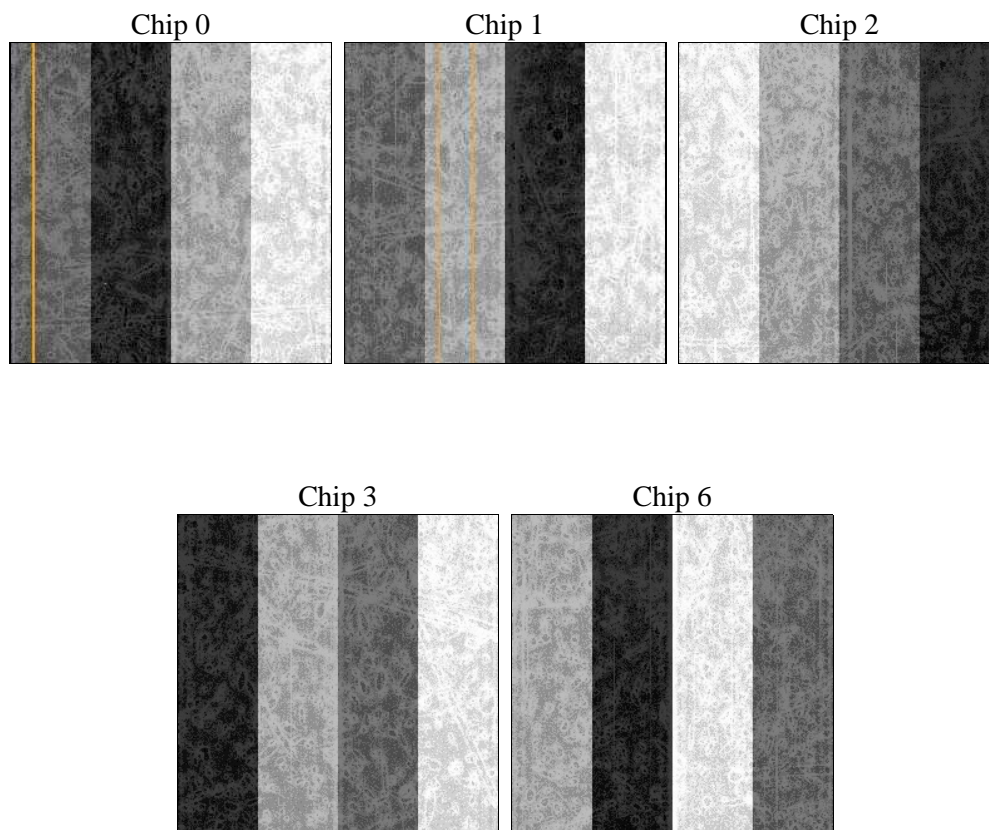
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4777.0909078717	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4776.9677878618	Sum of GTIs [s]
date	2012-04-12T23:20:52	Date and time of file creation	ontime1	4773.8678376079	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4777.0498678684	Sum of GTIs [s]
			ontime3	4777.0909078717	Sum of GTIs [s]
			ontime6	4776.9267478585	Sum of GTIs [s]
			l1events	173066	Number of level 1 events

2.1.4 Events

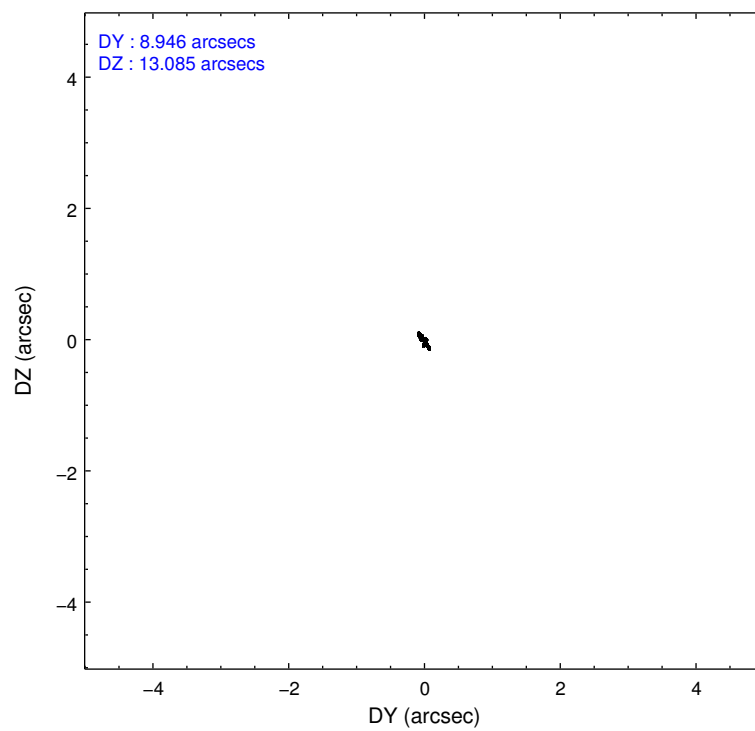
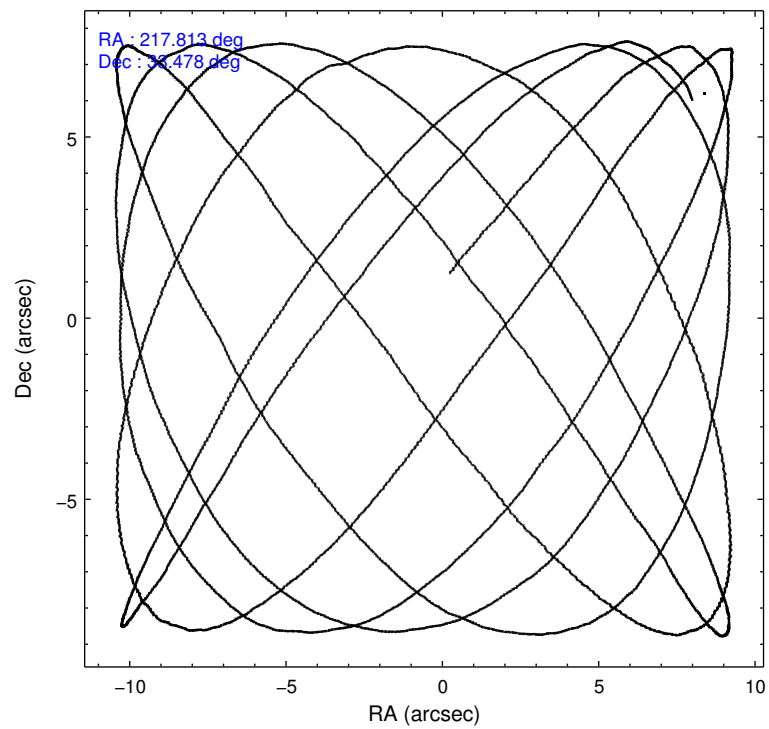
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	32974	31354	38466	35929	34343
rejected events	29606	27860	35114	32749	30908
rejected %	89%	88%	91%	91%	89%

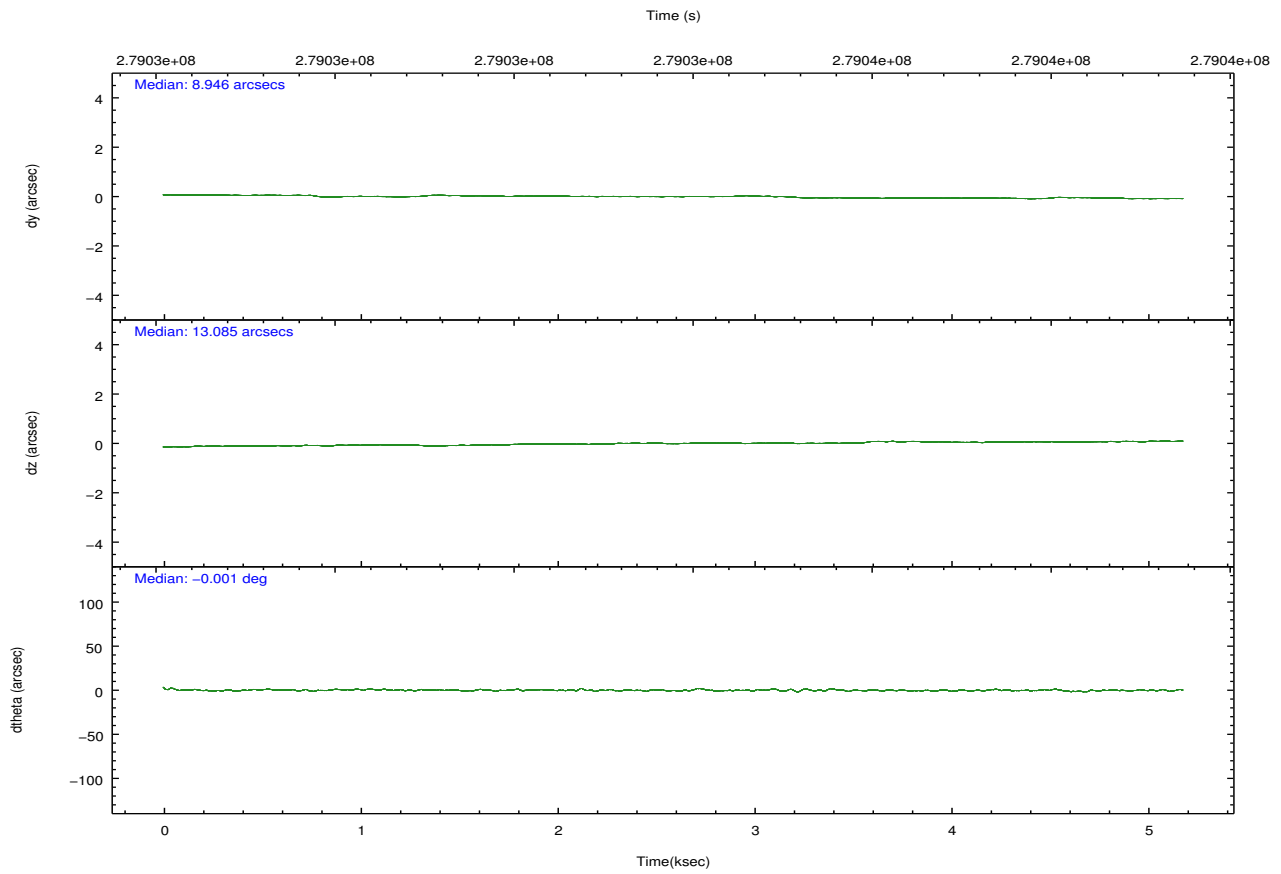
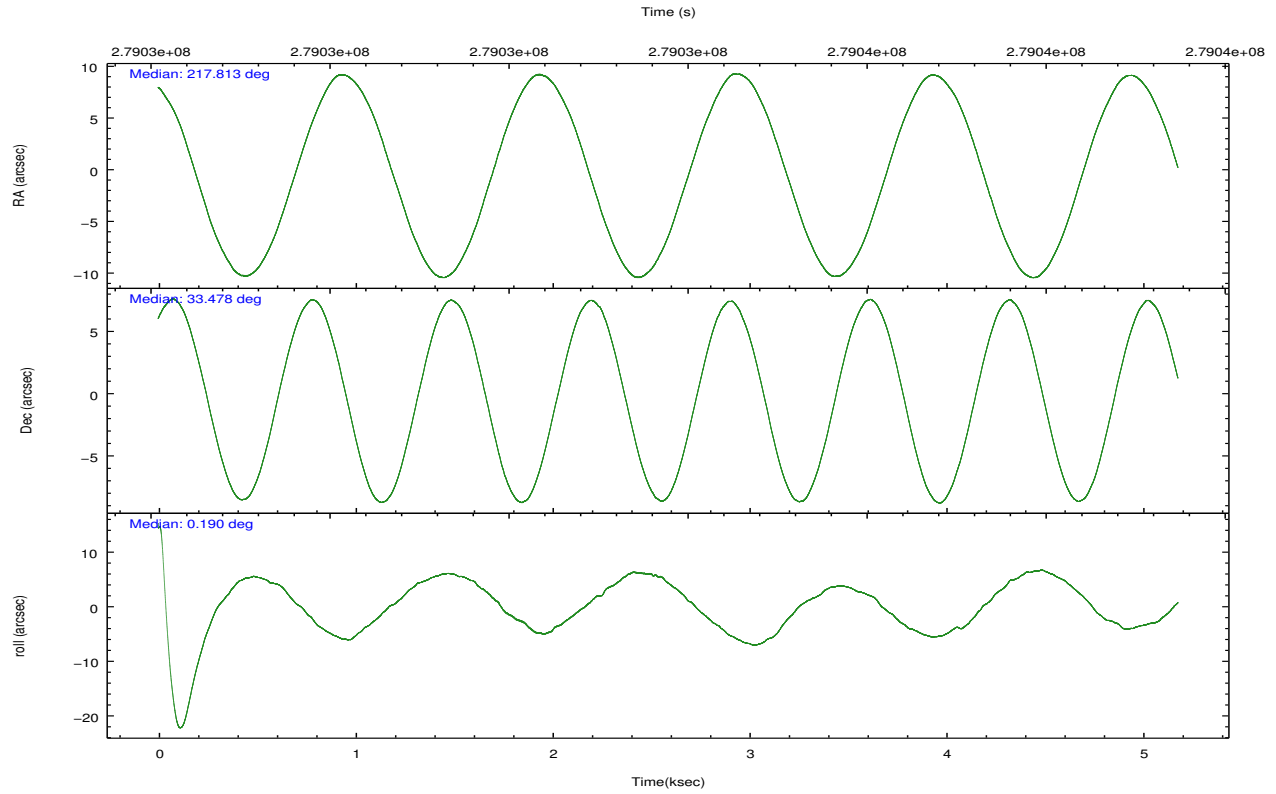
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1183	1202	1246	1171	1269
	3%	3%	3%	3%	3%
grade 1 events	17	12	21	24	14
	0%	0%	0%	0%	0%
grade 2 events	813	779	837	701	731
	2%	2%	2%	1%	2%
grade 3 events	368	383	362	343	390
	1%	1%	0%	0%	1%
grade 4 events	369	413	382	367	383
	1%	1%	0%	1%	1%
grade 5 events	995	1147	883	1158	1193
	3%	3%	2%	3%	3%
grade 6 events	636	718	527	598	666
	1%	2%	1%	1%	1%
grade 7 events	28593	26700	34208	31567	29697
	86%	85%	88%	87%	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	217.785027	217.8133986409074	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.463903	33.4778583832685	Alternating exposures requested	N	N
[deg] Pointing Roll	0.012775	0.2058046339549758	[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)	279031470.184000	279031094.40784			
Observation start date	2006-11-04T12:43:25	2006-11-04T12:38:14			
[s] Observation end time (MET)	279036470.184000	279036603.7831			
Observation end date	2006-11-04T14:06:45	2006-11-04T14:10:03			
Read mode	TIMED	TIMED			

2.3 Aspect



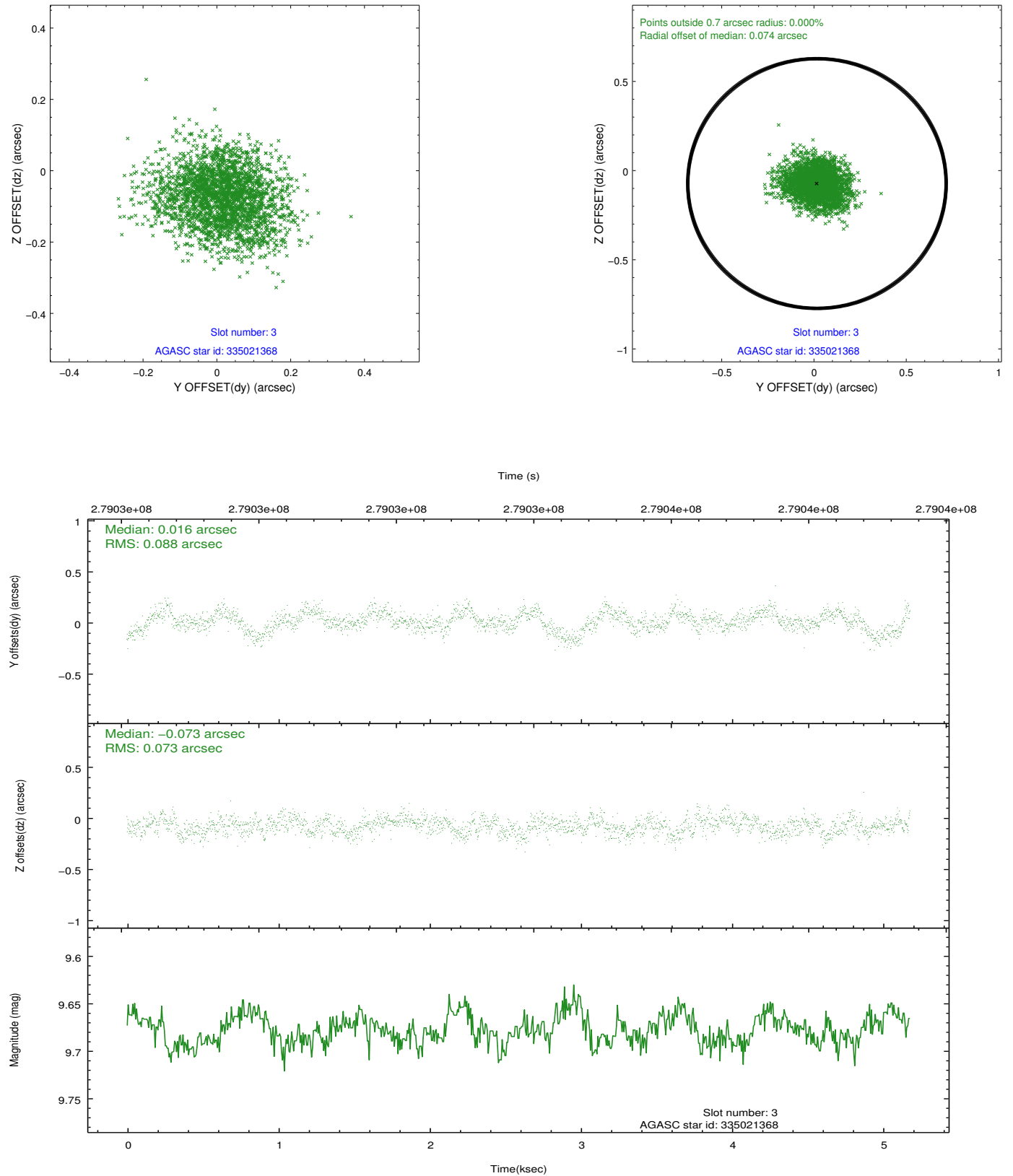


Slot Statistics

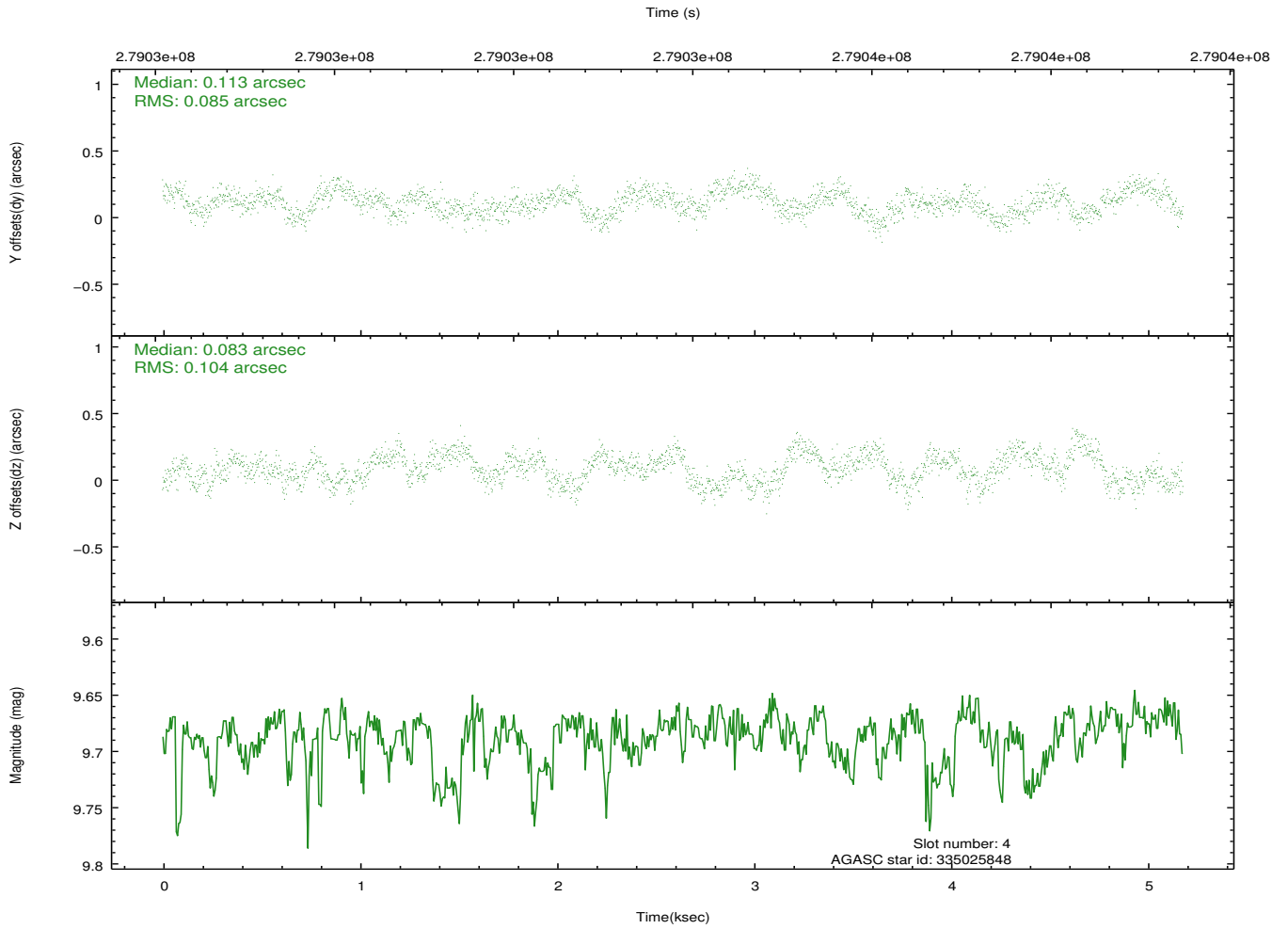
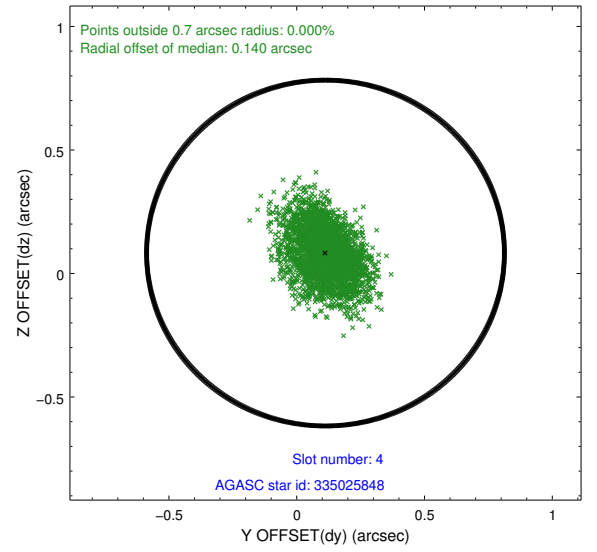
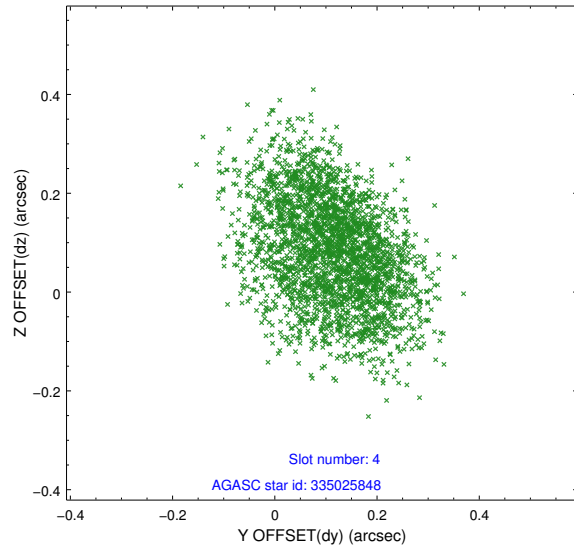
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	1264	-0.104	-0.093	0.009	0.015	0.000000	0.000000	-763.60	-843.07
1	FID	ACIS-I-4	7.18	1264	0.228	0.087	0.006	0.010	0.000000	0.000000	2150.29	1062.65
2	FID	ACIS-I-5	7.23	1264	-0.224	0.075	0.009	0.015	0.000000	0.000000	-1816.01	1061.88
3	GUIDE	335021368	9.68	2526	0.016	-0.073	0.122	0.197	217.529643	33.934817	-762.95	1696.13
4	GUIDE	335025848	9.69	2521	0.113	0.083	0.145	0.230	217.530531	33.778292	-761.84	1133.48
5	GUIDE	335027640	9.11	2527	0.100	-0.068	0.085	0.136	218.092211	33.193770	925.22	-970.67
6	GUIDE	335028696	9.17	2524	-0.188	0.059	0.093	0.151	217.260519	33.844112	-1568.25	1372.34
7	GUIDE	335029384	8.49	2527	-0.035	0.010	0.082	0.128	217.848061	33.088477	189.66	-1351.13

2.4 Star Slots

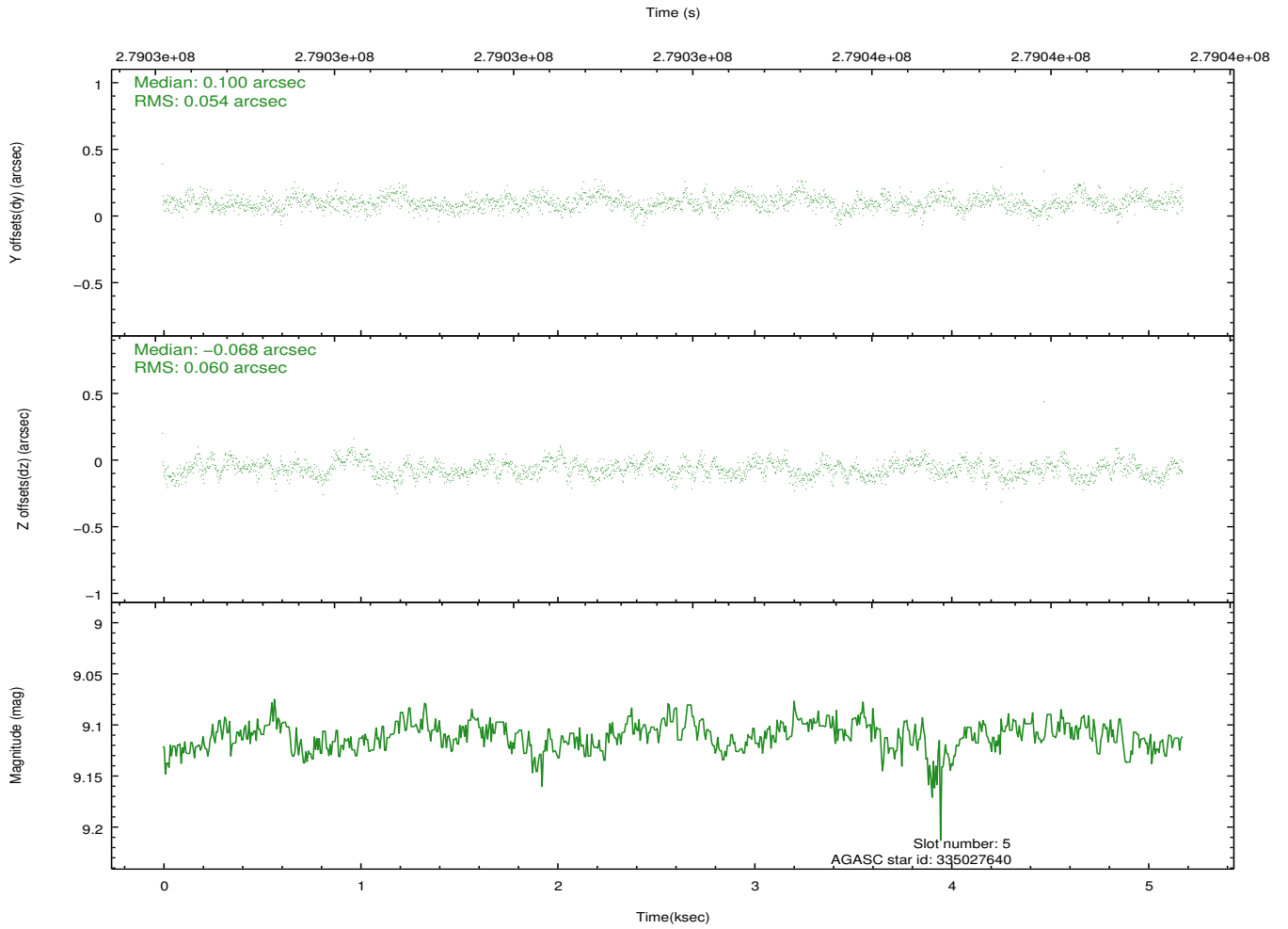
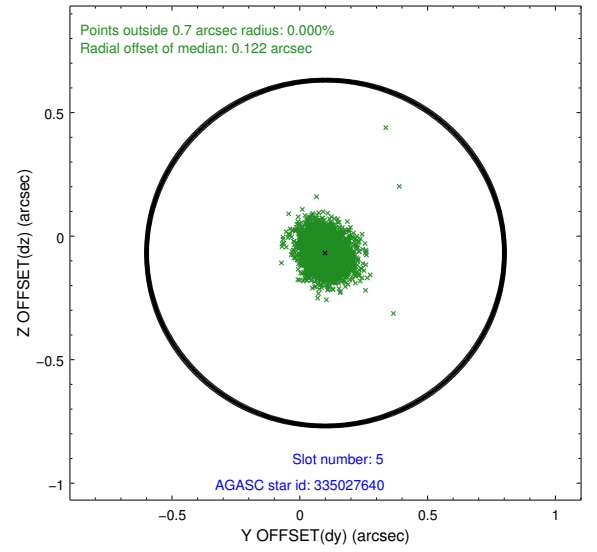
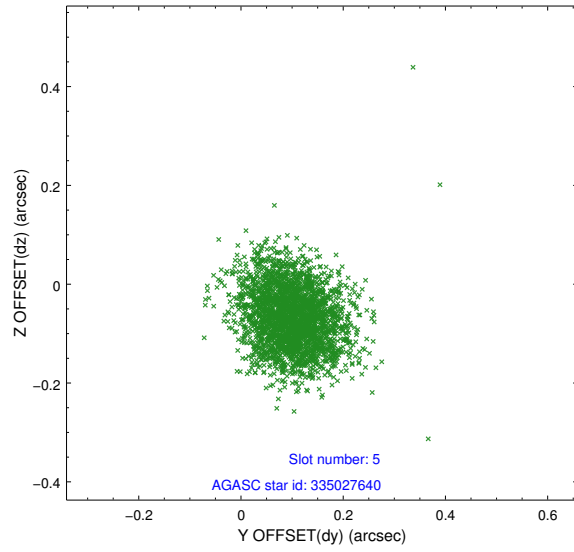
2.4.1 Slot 3



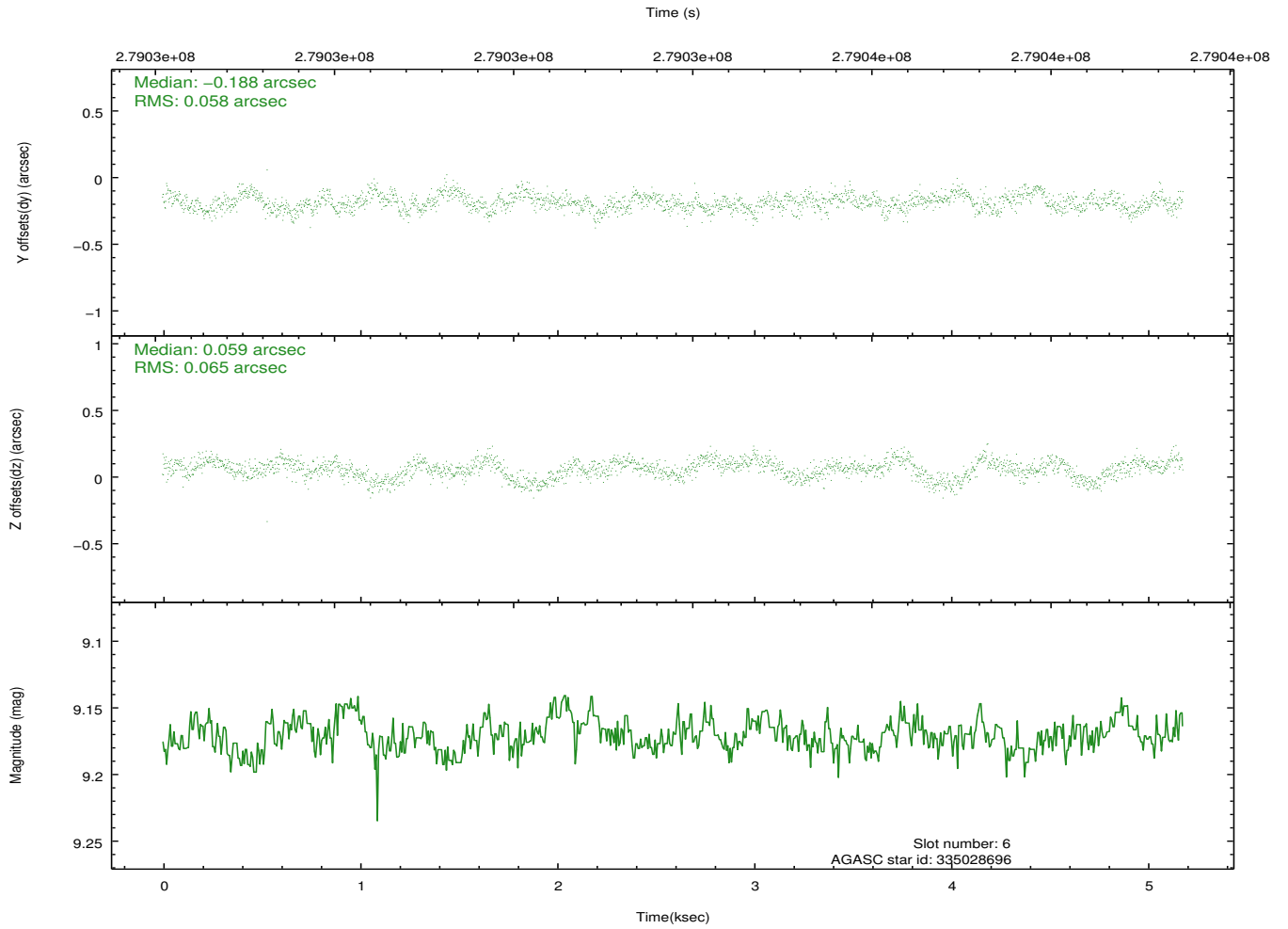
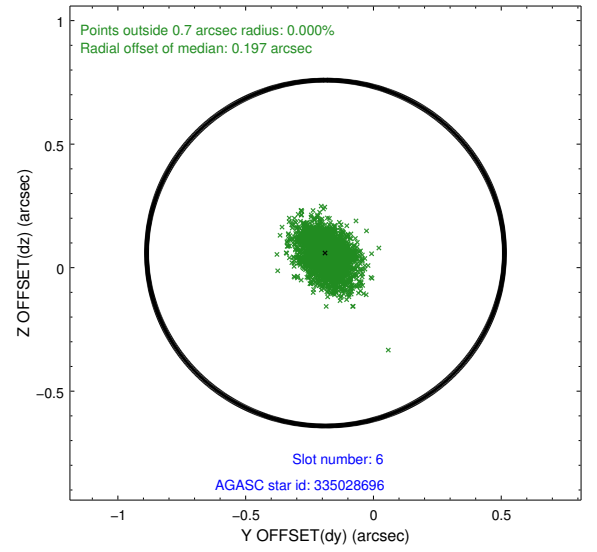
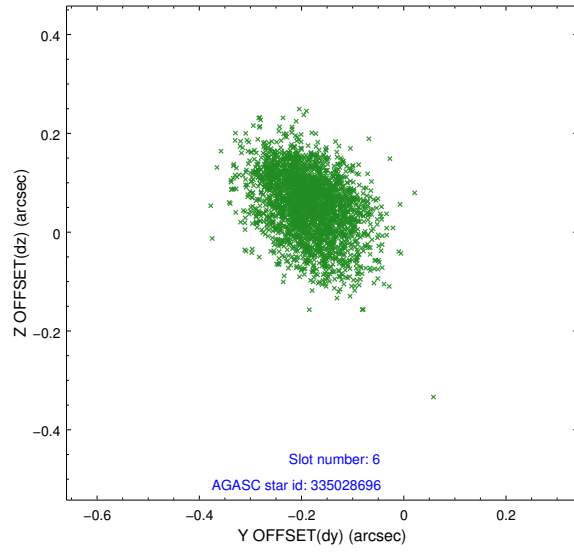
2.4.2 Slot 4



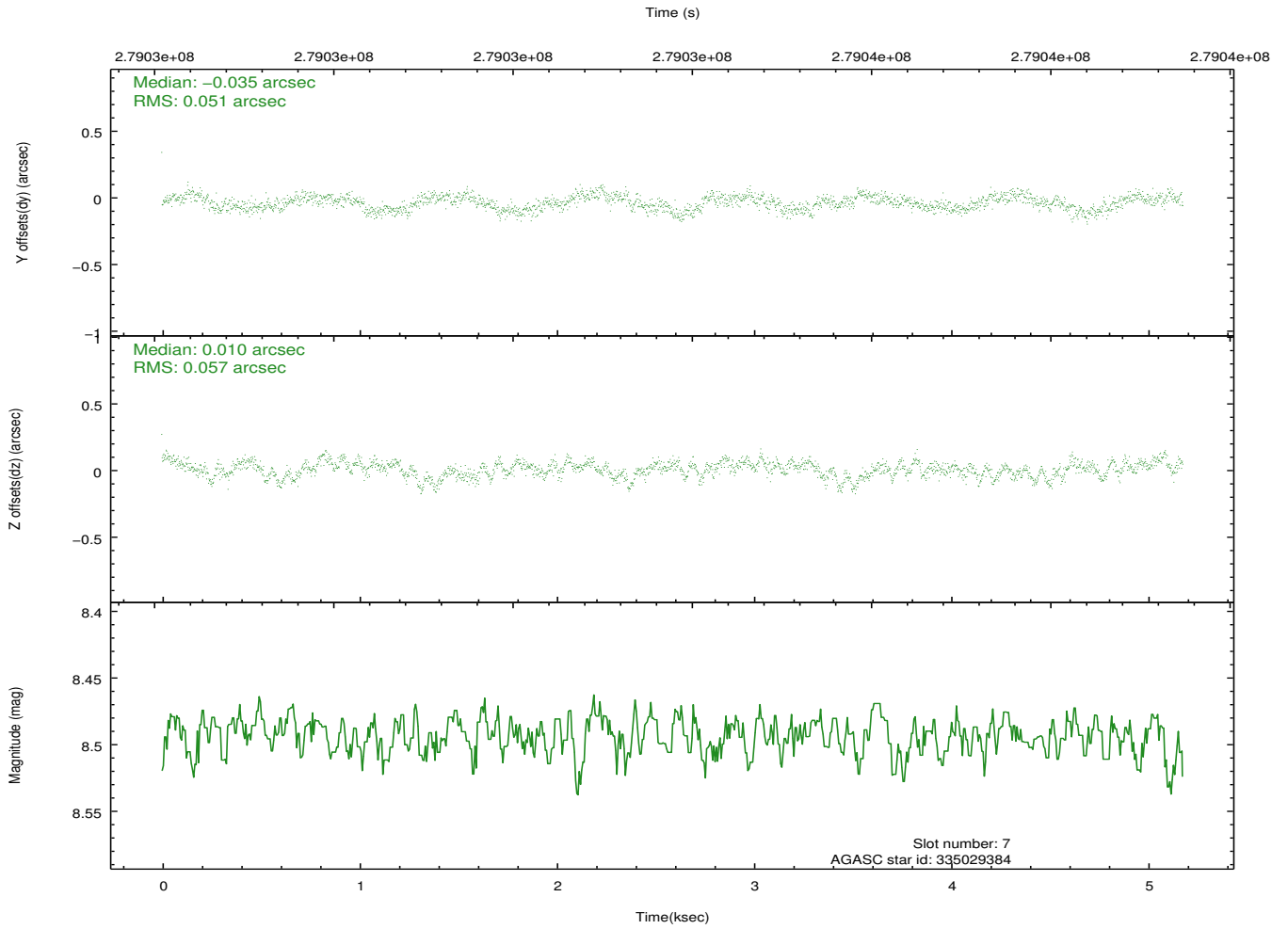
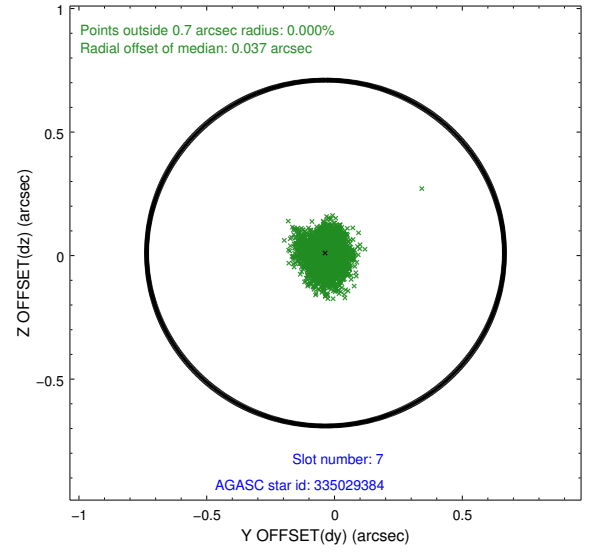
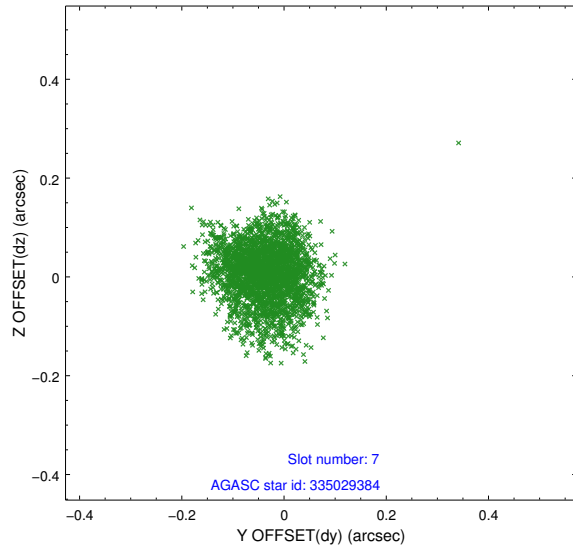
2.4.3 Slot 5



2.4.4 Slot 6

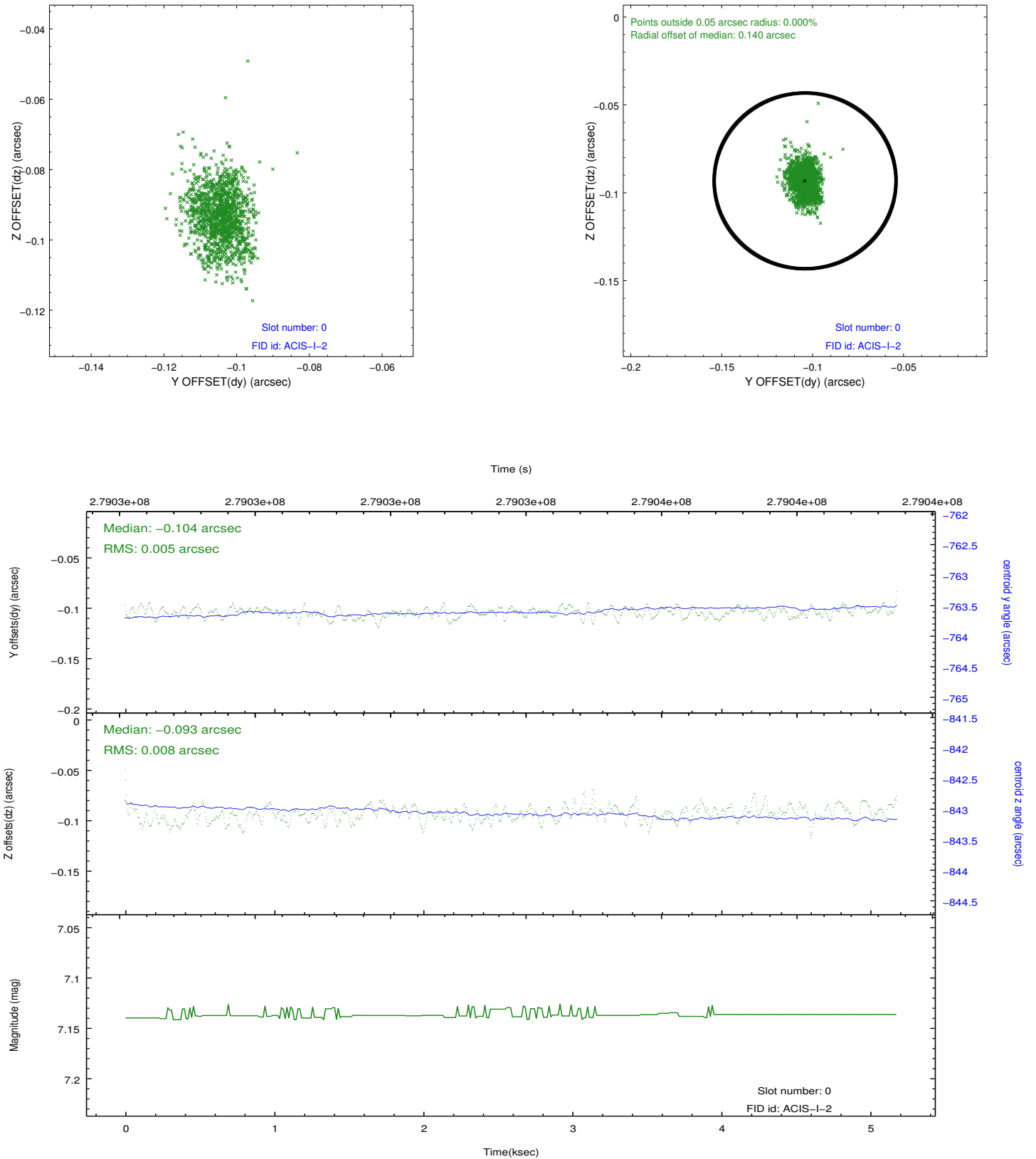


2.4.5 Slot 7

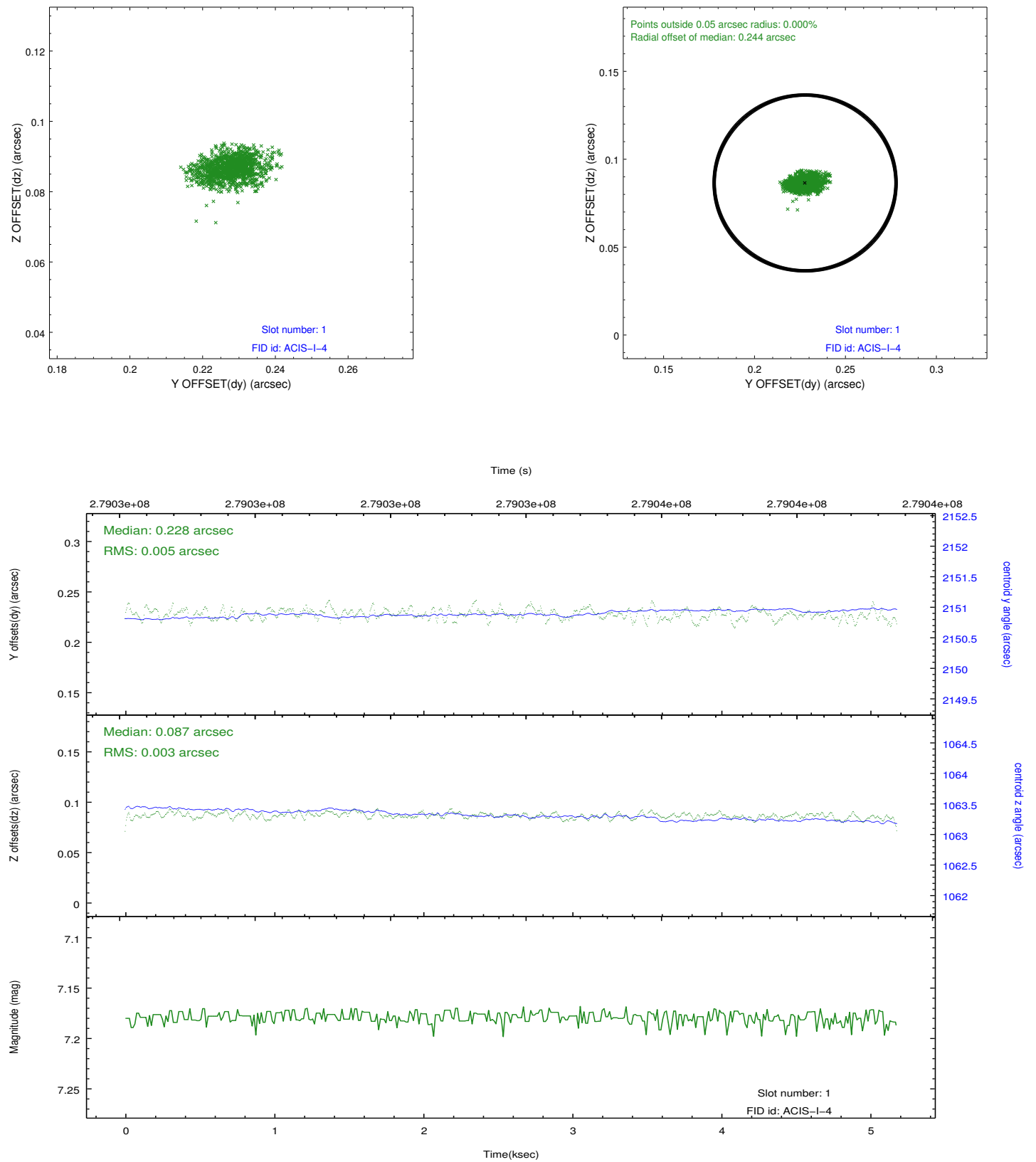


2.5 FID Slots

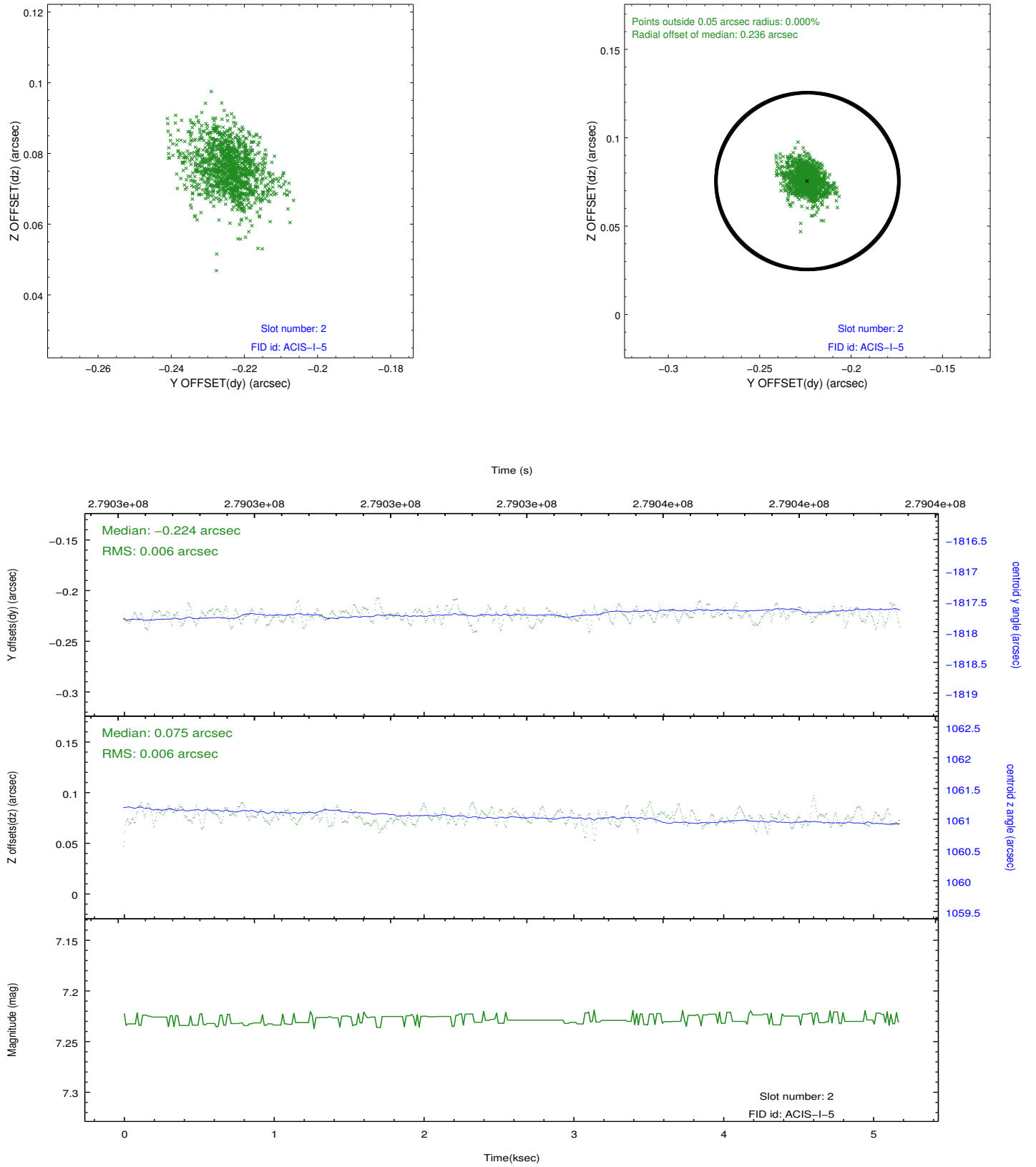
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.77710003

A.2 Comments