

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11660 - L2 Version 2
Chandra X-Ray Center

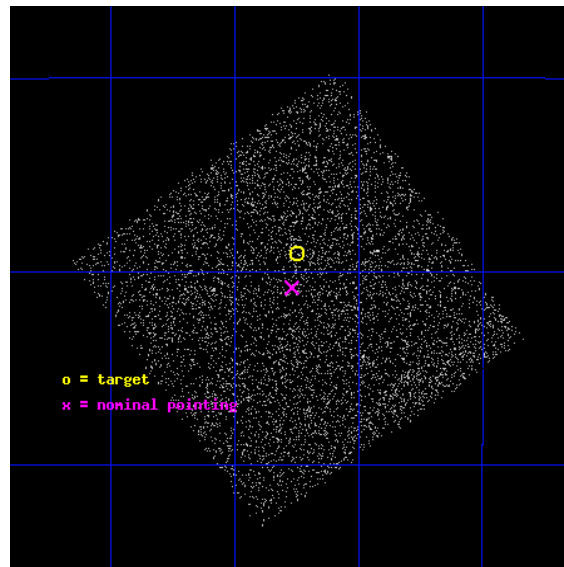
L2 Processing Date : Jun 13 2012

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1 Front

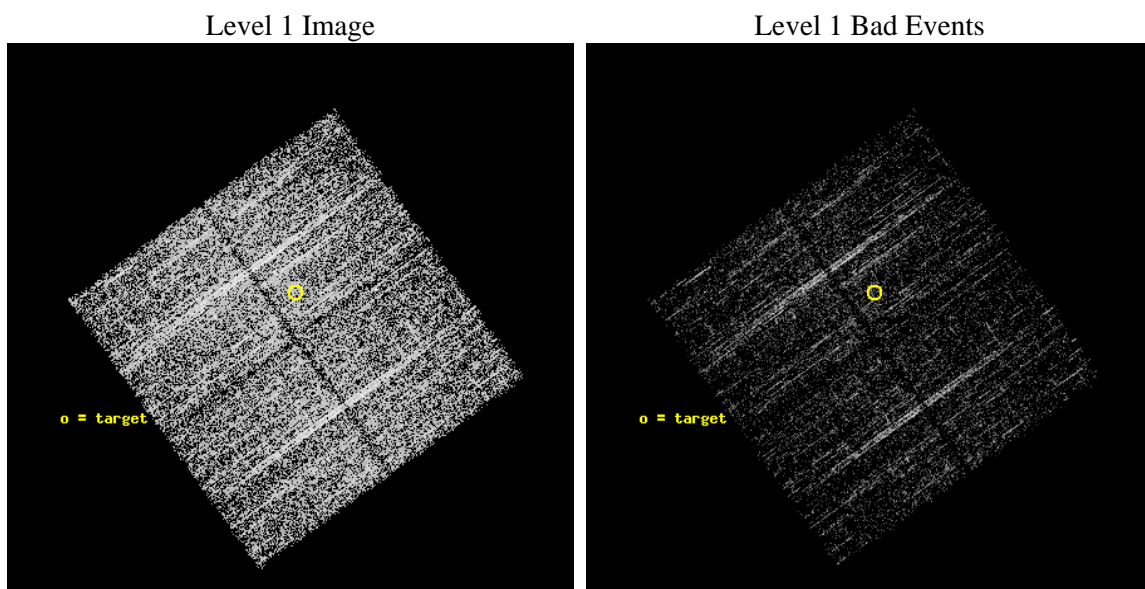
seq_num	702246	Sequence number
obs_id	11660	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_1671	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	335.937083	Observer's specified target RA [deg]
dec_targ	-29.984111	Observer's specified target Dec [deg]
ra_nom	335.94238609693	Nominal RA [deg]
dec_nom	-30.014084433718	Nominal Dec [deg]
roll_nom	324.454760088	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2675.2590303421	Sum of GTIs [s]
livetime	2640.3048016136	Livetime [s]
ontime0	2678.4000205994	Sum of GTIs [s]
ontime1	2678.4000205994	Sum of GTIs [s]
ontime2	2678.4000205994	Sum of GTIs [s]
ontime3	2675.2590303421	Sum of GTIs [s]
l2events	7813	Number of level 2 events



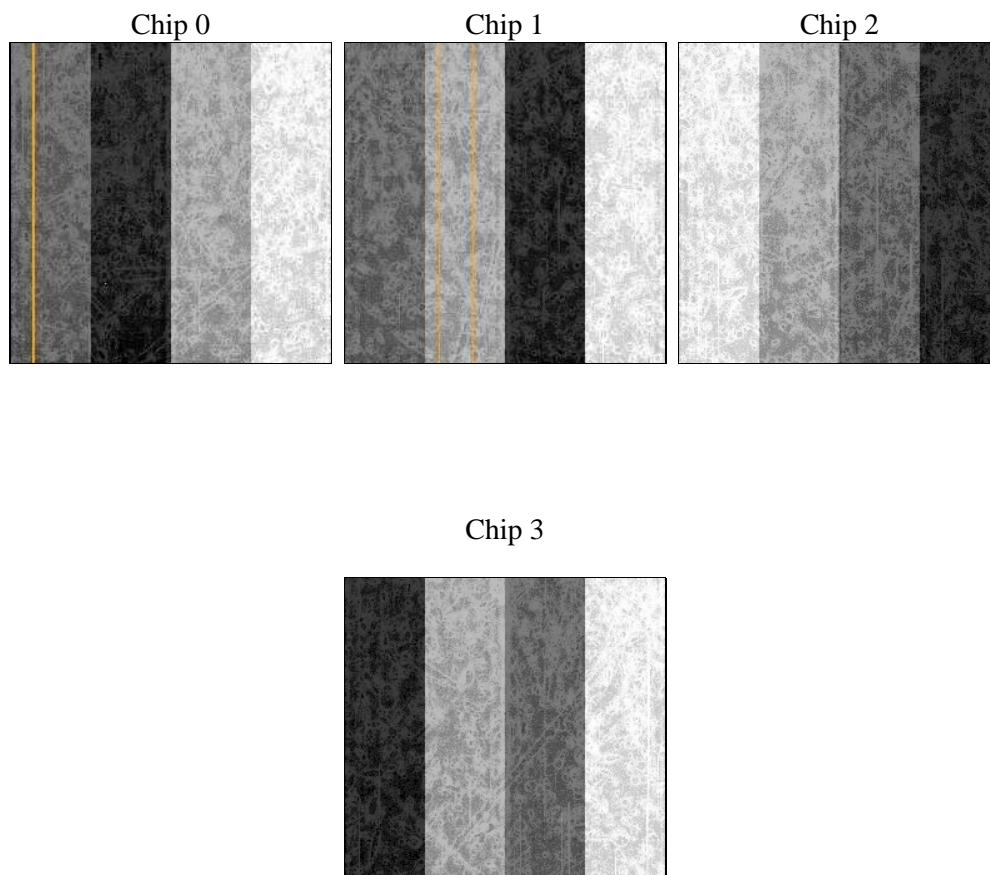
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2675.2590303421	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	2678.4000205994	Sum of GTIs [s]
date	2012-06-13T18:42:37	Date and time of file creation	ontime1	2678.4000205994	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2678.4000205994	Sum of GTIs [s]
			ontime3	2675.2590303421	Sum of GTIs [s]
			l1events	97582	Number of level 1 events

2.1.4 Events

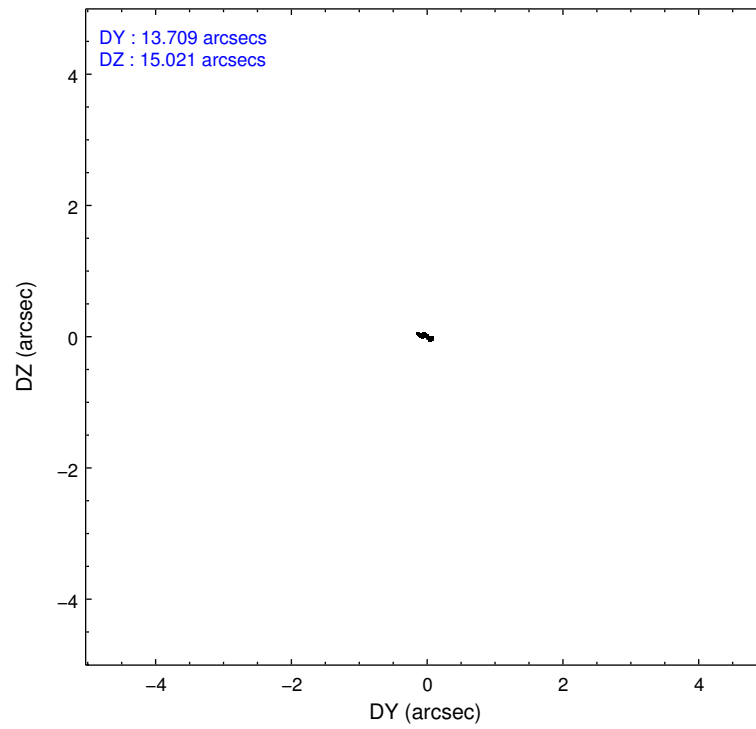
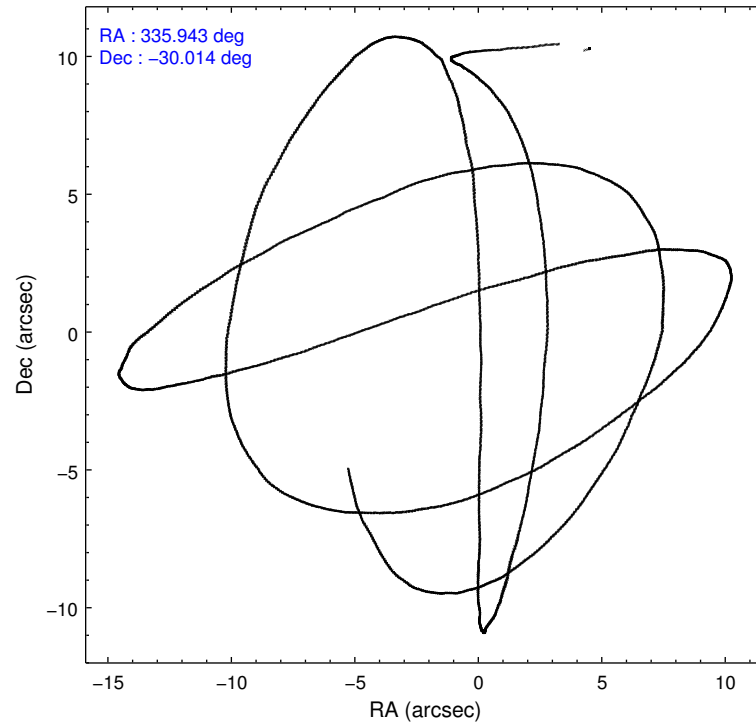
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23246	22758	26912	24666
rejected events	20842	20086	24679	22469
rejected %	89%	88%	91%	91%

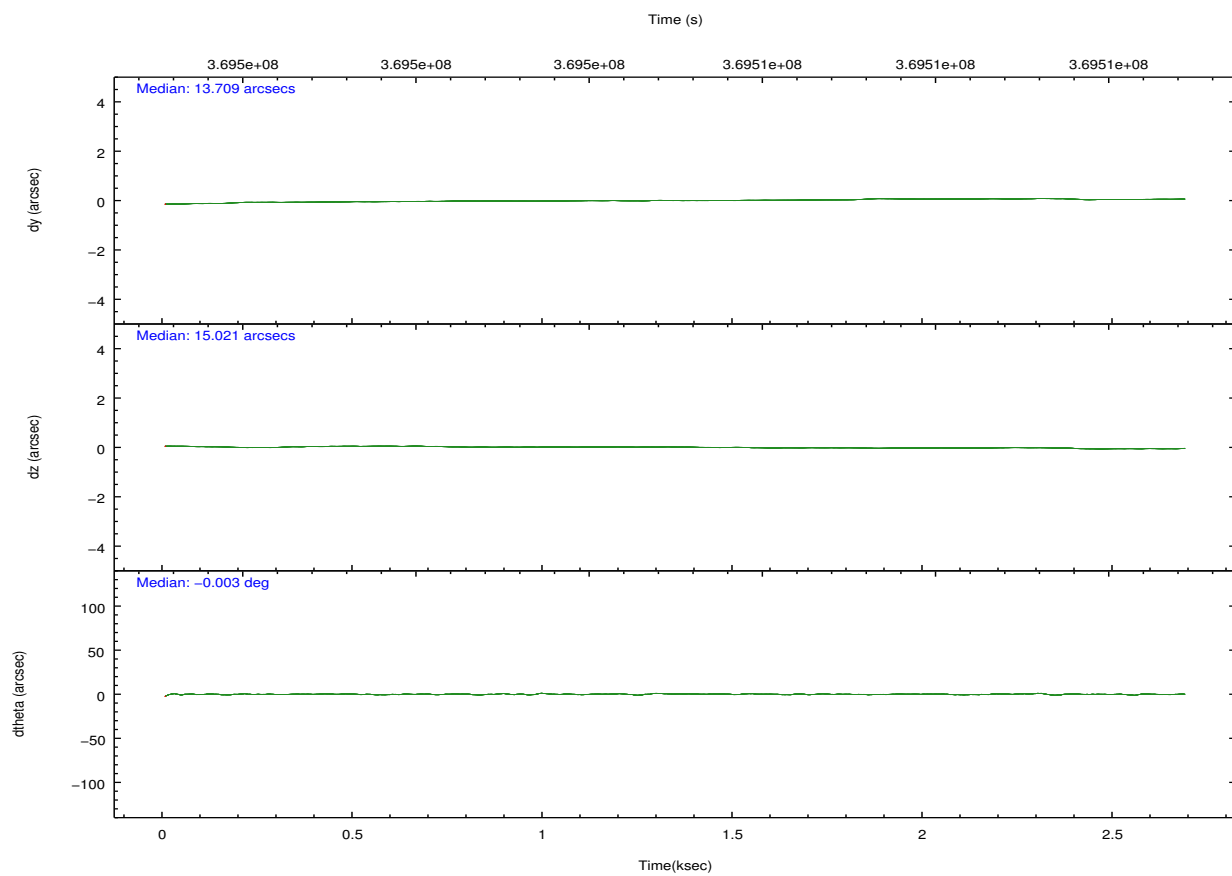
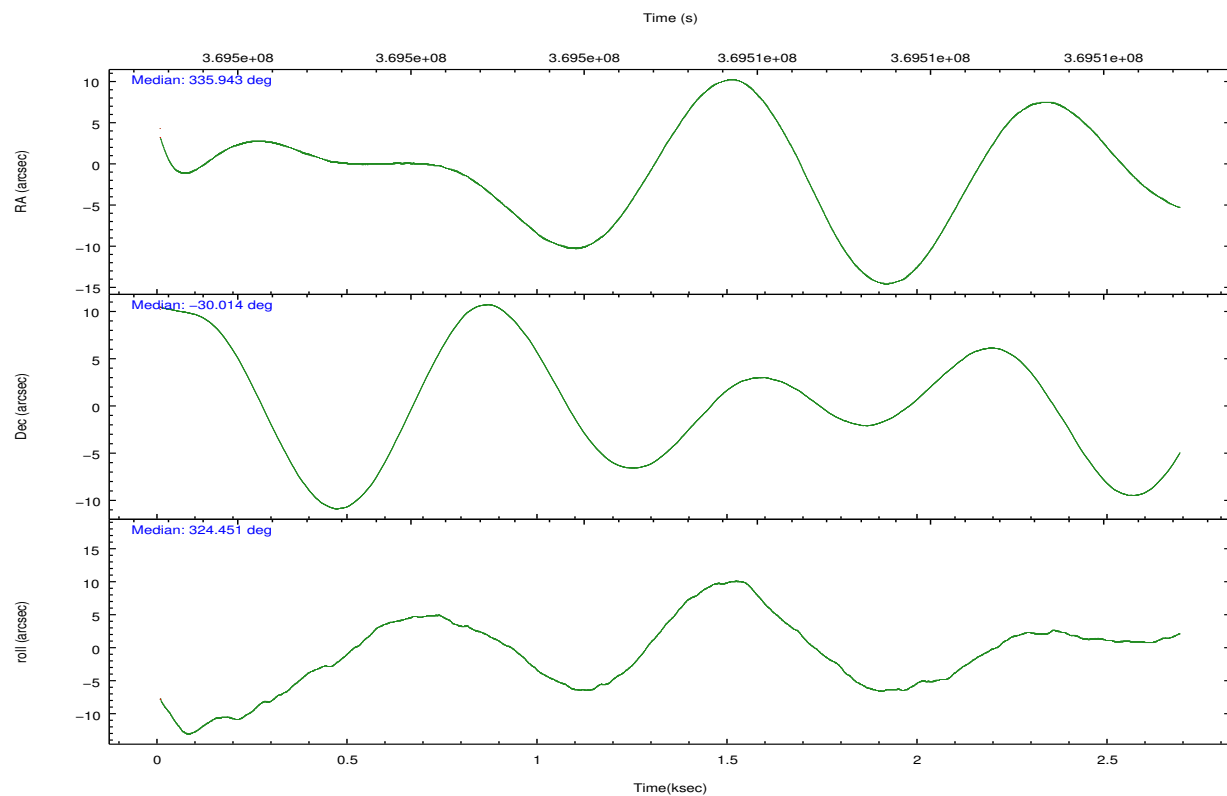
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	947	1137	878	875
	4%	4%	3%	3%
grade 1 events	7	15	18	17
	0%	0%	0%	0%
grade 2 events	625	673	618	524
	2%	2%	2%	2%
grade 3 events	319	299	246	288
	1%	1%	0%	1%
grade 4 events	283	288	256	273
	1%	1%	0%	1%
grade 5 events	949	1092	886	1143
	4%	4%	3%	4%
grade 6 events	489	604	445	492
	2%	2%	1%	1%
grade 7 events	19627	18650	23565	21054
	84%	81%	87%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	335.910514	335.9423860969333	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.011493	-30.01408443371768	Alternating exposures requested	N	N
[deg] Pointing Roll	324.230140	324.4547600879974	[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)	369504096.184000	369503012.12369			
Observation start date	2009-09-16T16:00:30	2009-09-16T15:43:32			
[s] Observation end time (MET)	369506596.184000	369507370.93641			
Observation end date	2009-09-16T16:42:10	2009-09-16T16:56:10			
Read mode	TIMED	TIMED			

2.3 Aspect



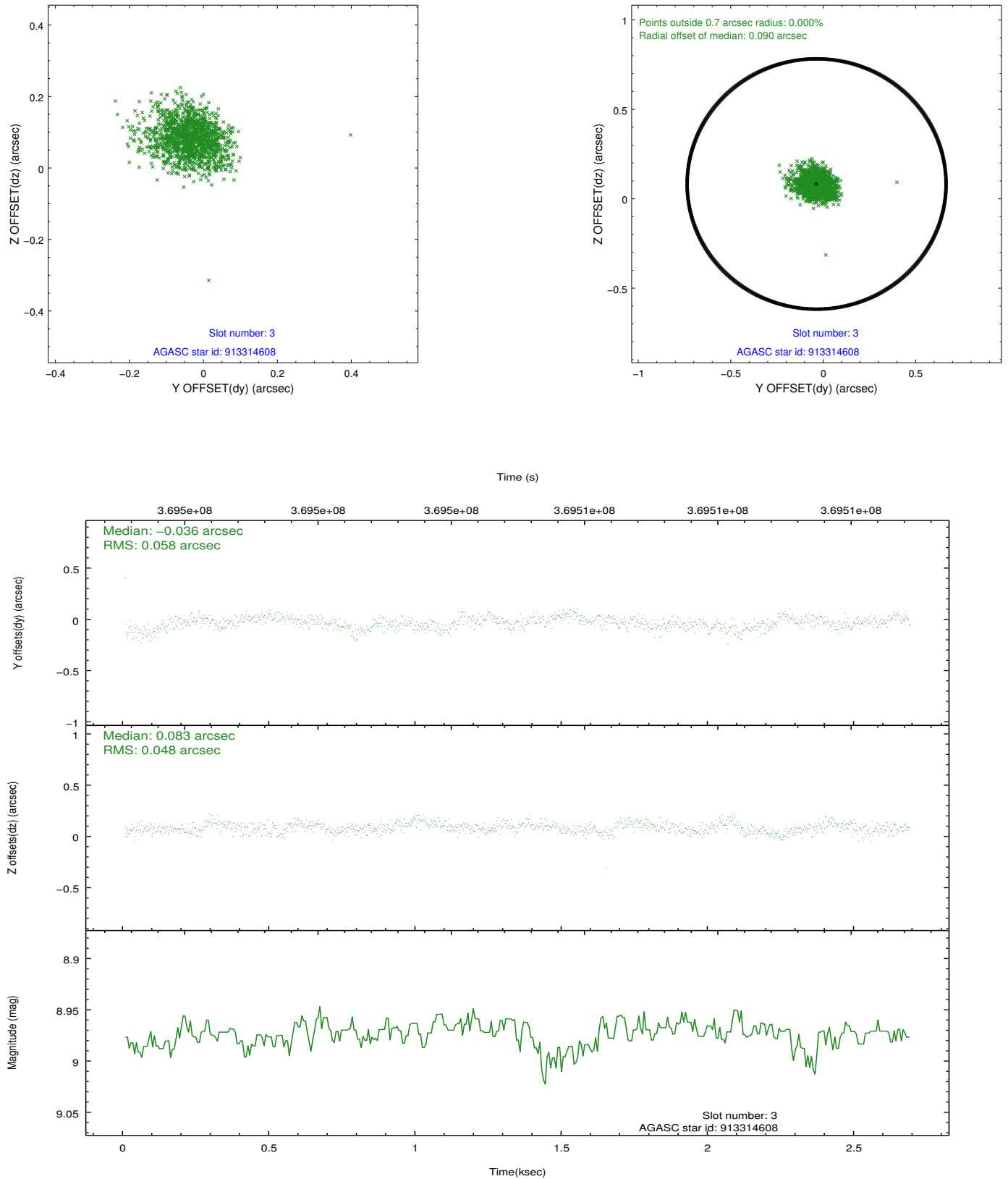


Slot Statistics

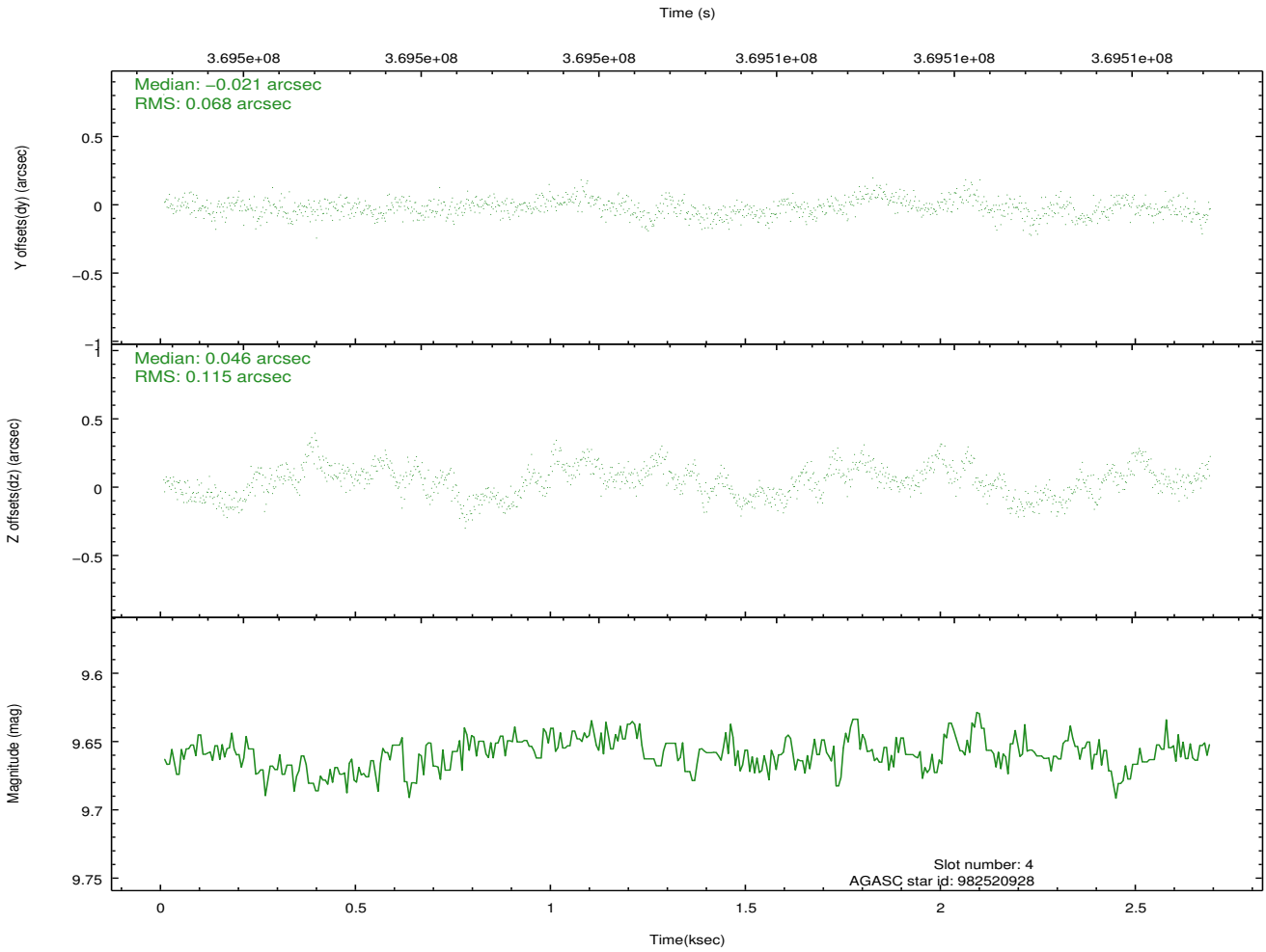
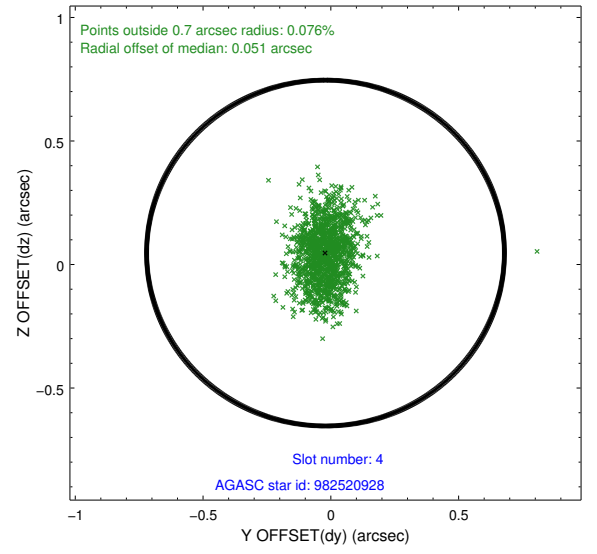
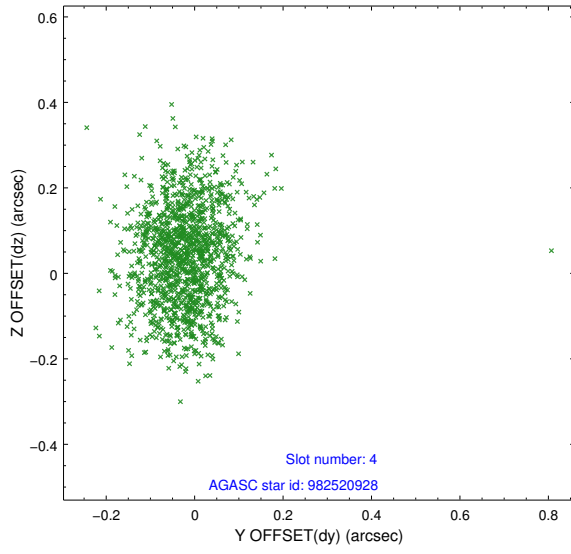
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	655	0.032	-0.003	0.006	0.010	0.000000	0.000000	925.83	-838.61
1	FID	ACIS-I-5	6.99	655	-0.211	0.037	0.006	0.010	0.000000	0.000000	-1821.22	1057.68
2	FID	ACIS-I-6	6.99	655	0.087	0.036	0.007	0.011	0.000000	0.000000	388.78	1704.93
3	GUIDE	913314608	8.97	1309	-0.036	0.083	0.078	0.129	335.885858	-29.694278	-730.42	881.05
4	GUIDE	982520928	9.66	1308	-0.021	0.046	0.139	0.233	335.110519	-30.251487	-1509.42	-2162.31
5	GUIDE	982523760	9.38	1306	-0.093	0.065	0.110	0.177	335.695882	-30.565092	624.12	-2008.25
6	GUIDE	913319984	9.45	1306	-0.064	-0.254	0.123	0.203	336.672474	-29.705461	1293.79	2278.27
7	GUIDE	982648720	9.72	1306	0.215	0.068	0.150	0.238	336.252192	-30.720827	2353.31	-1453.44

2.4 Star Slots

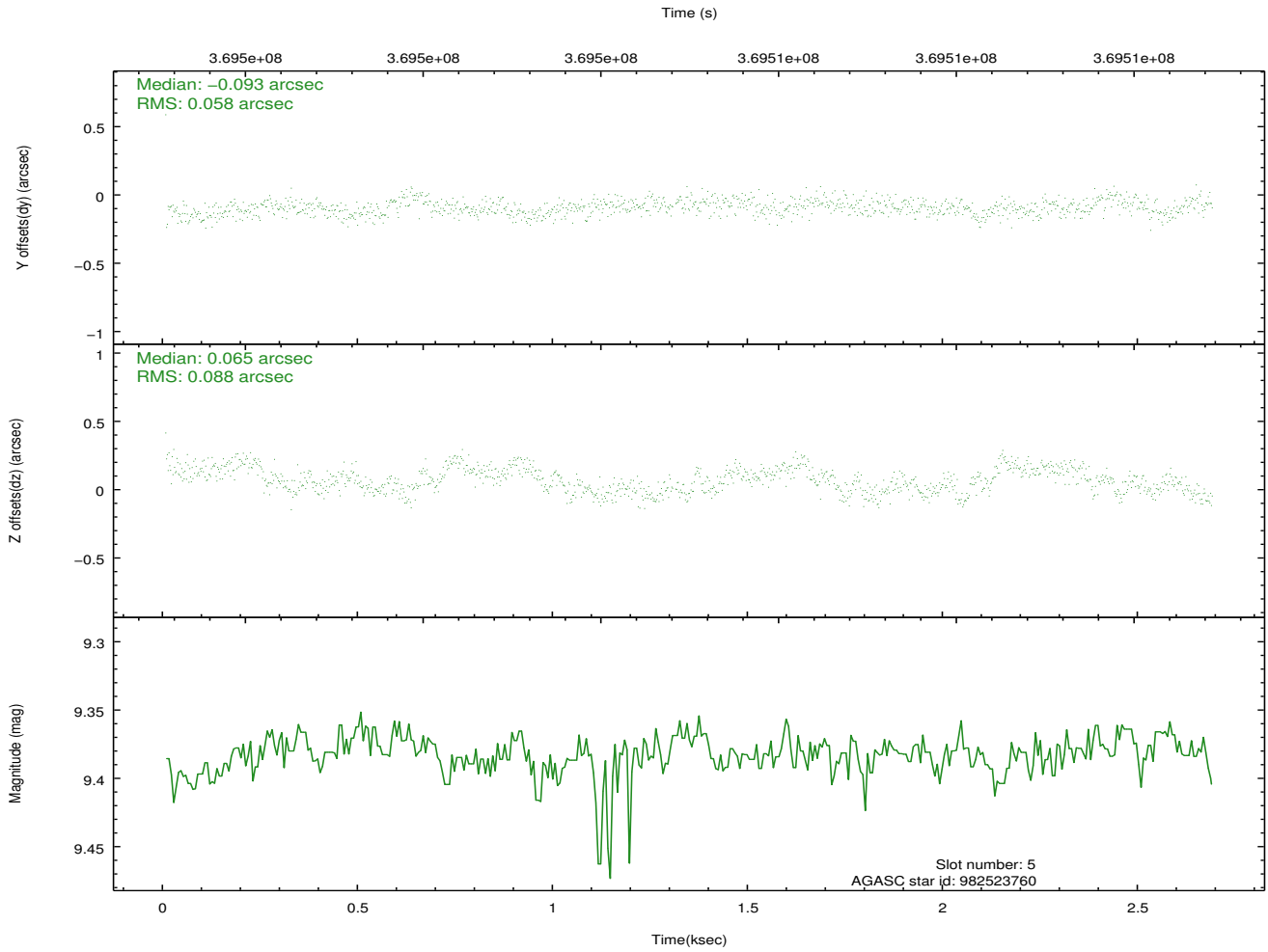
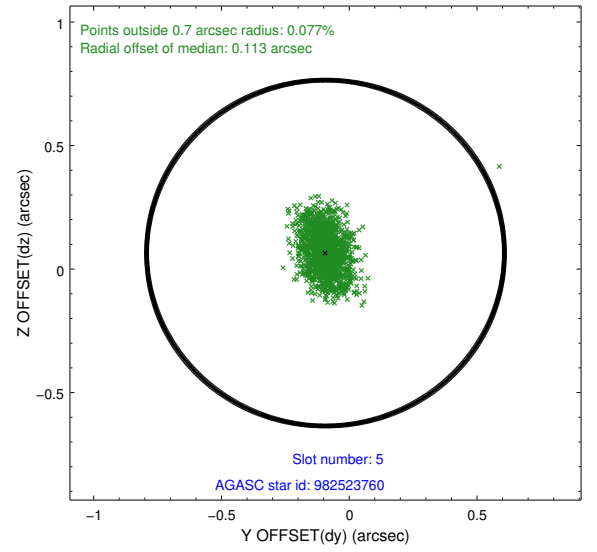
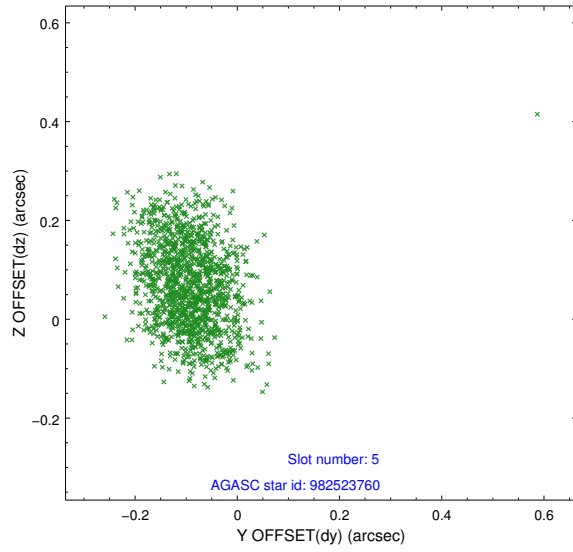
2.4.1 Slot 3



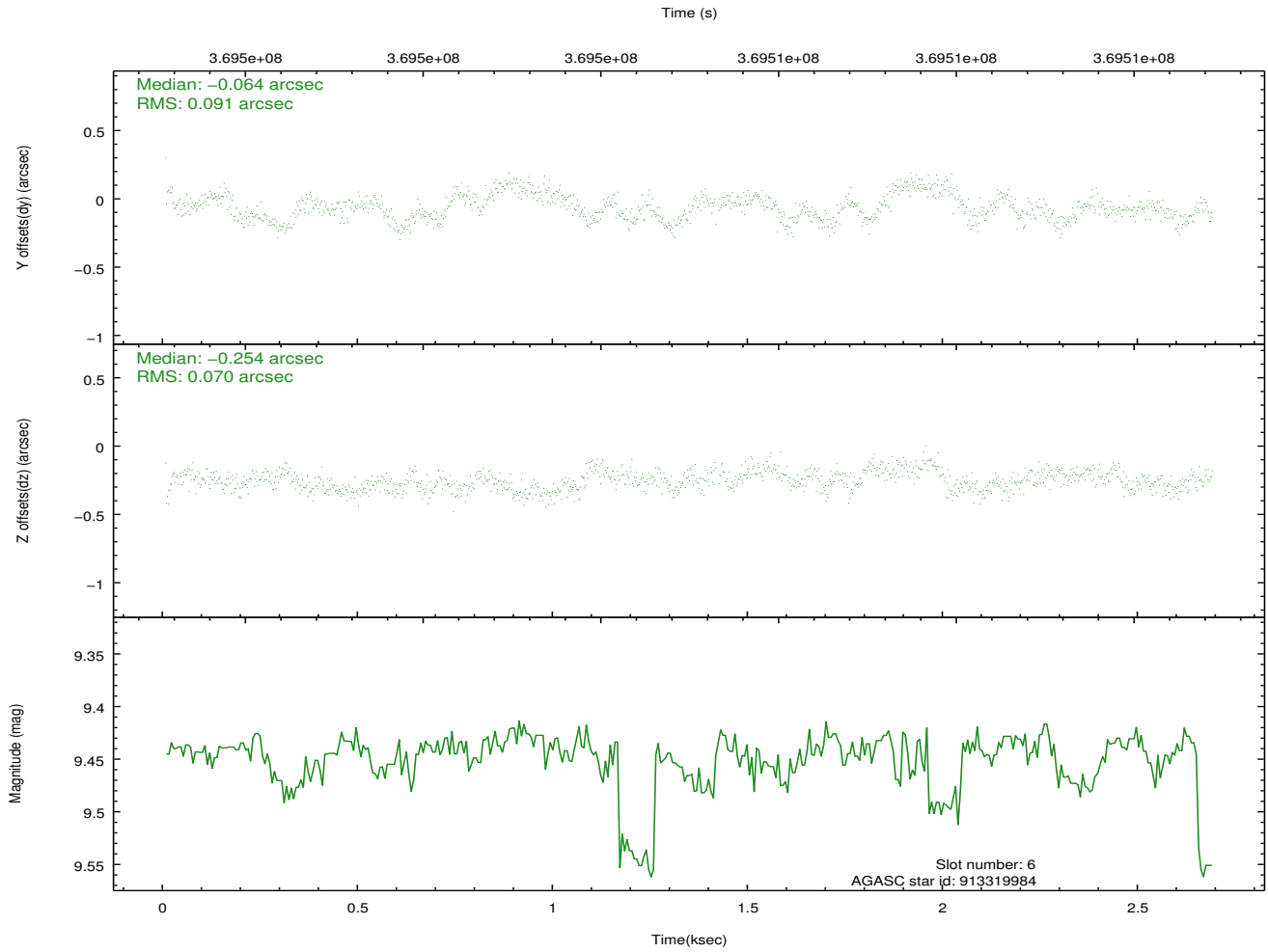
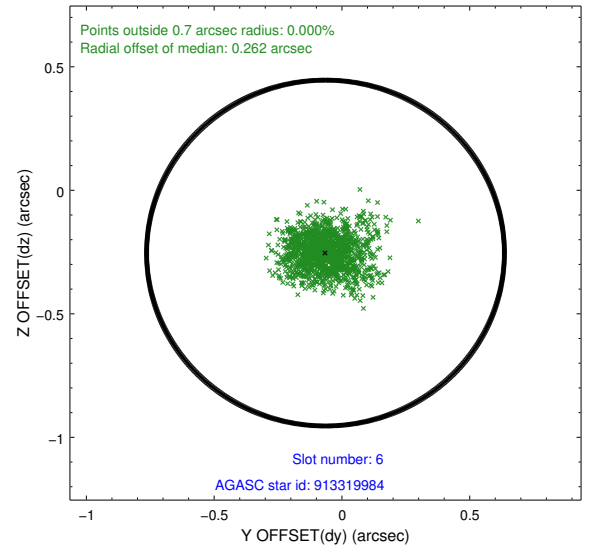
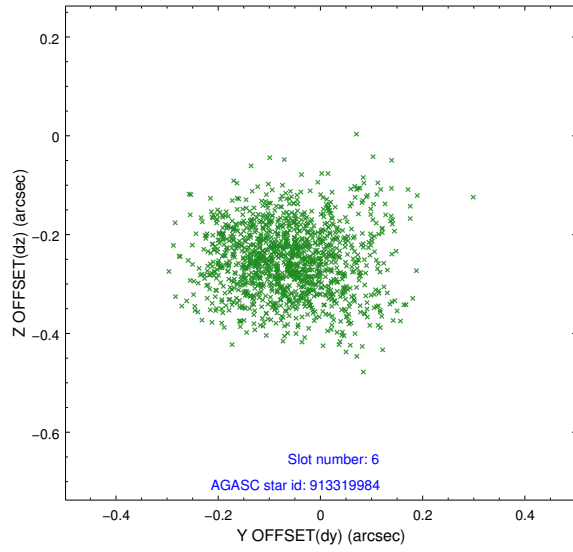
2.4.2 Slot 4



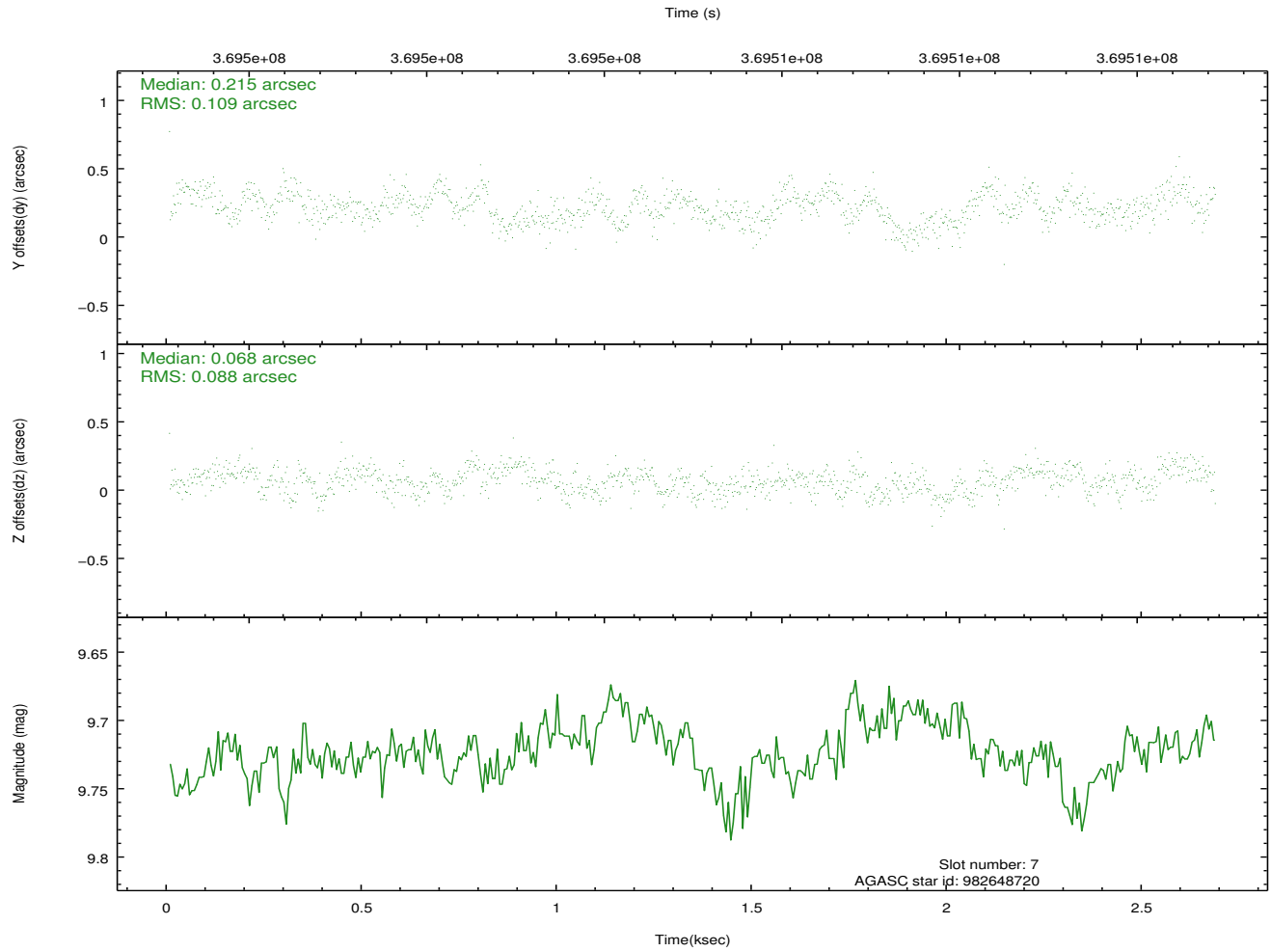
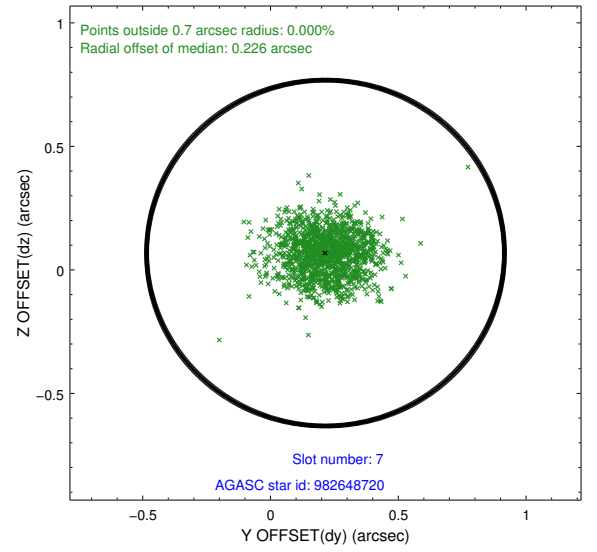
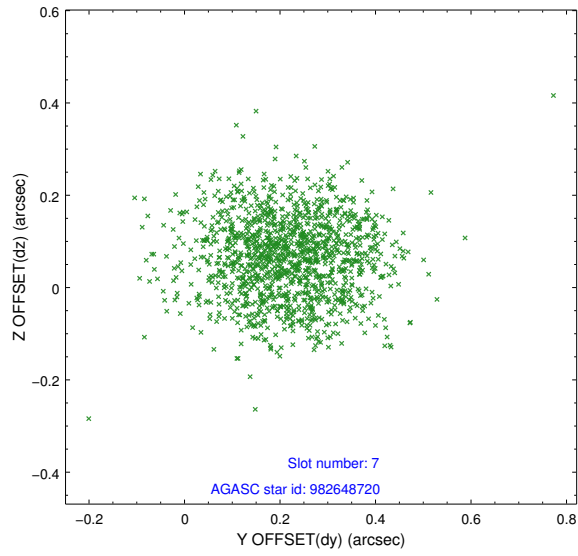
2.4.3 Slot 5



2.4.4 Slot 6

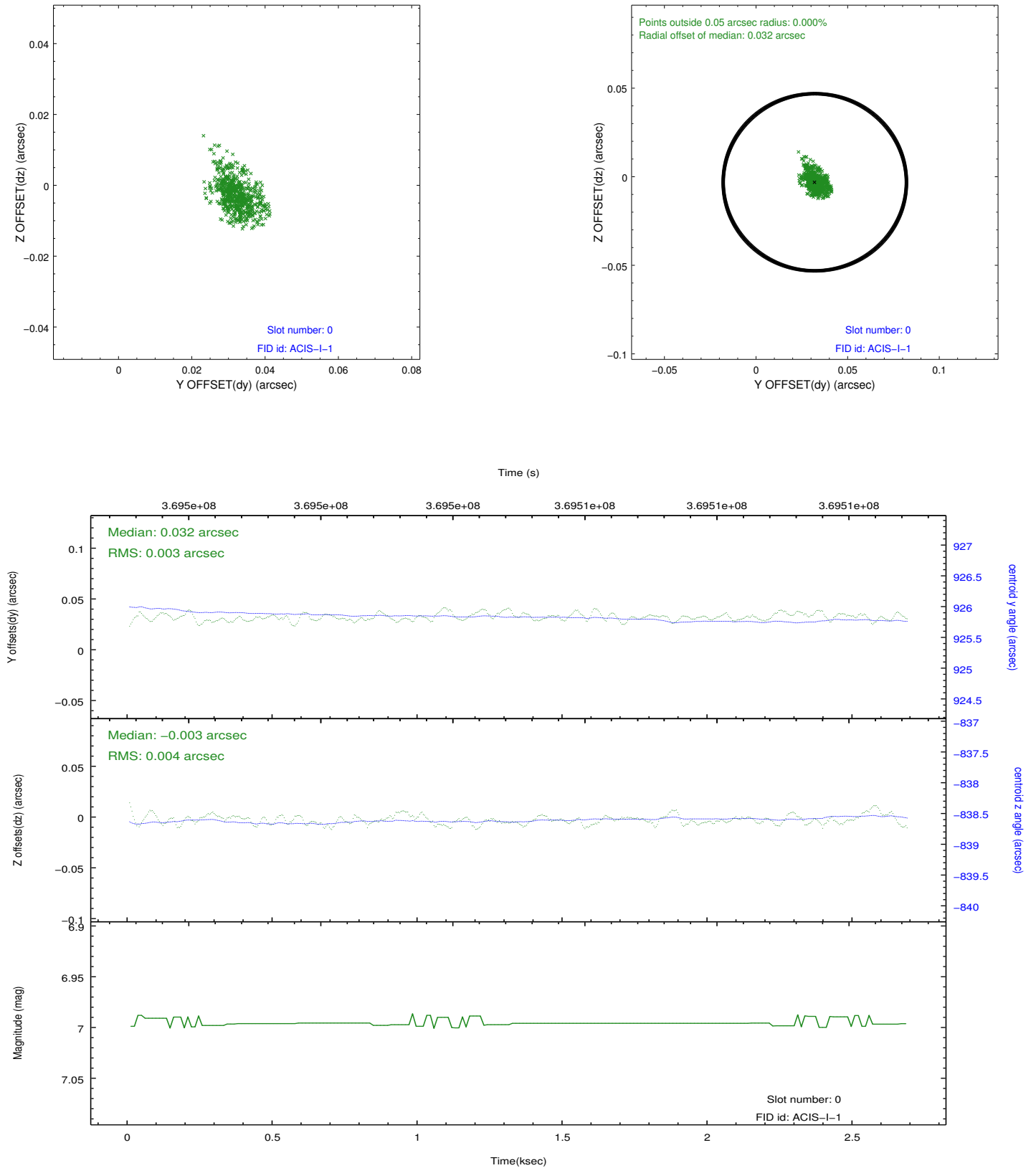


2.4.5 Slot 7

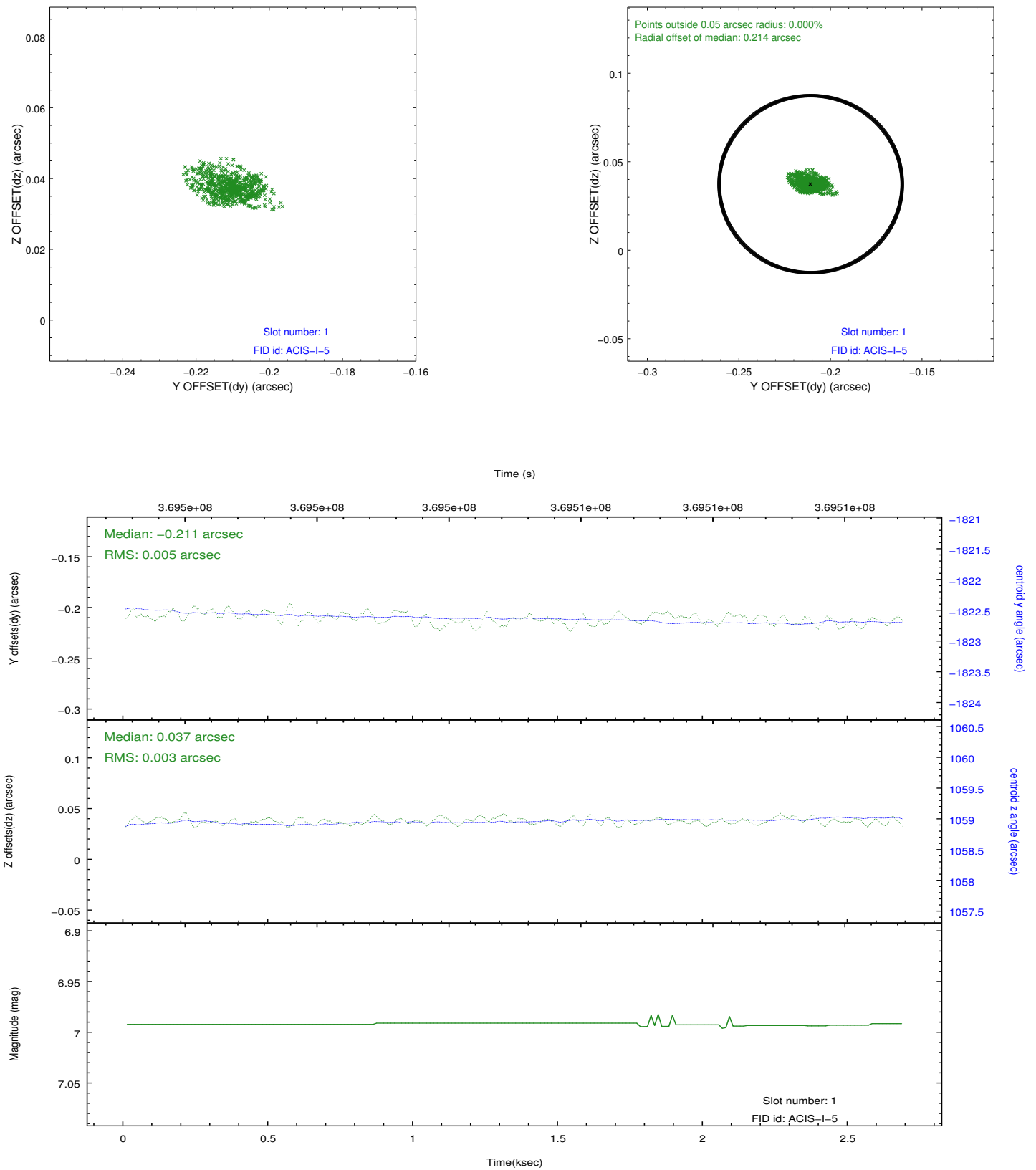


2.5 FID Slots

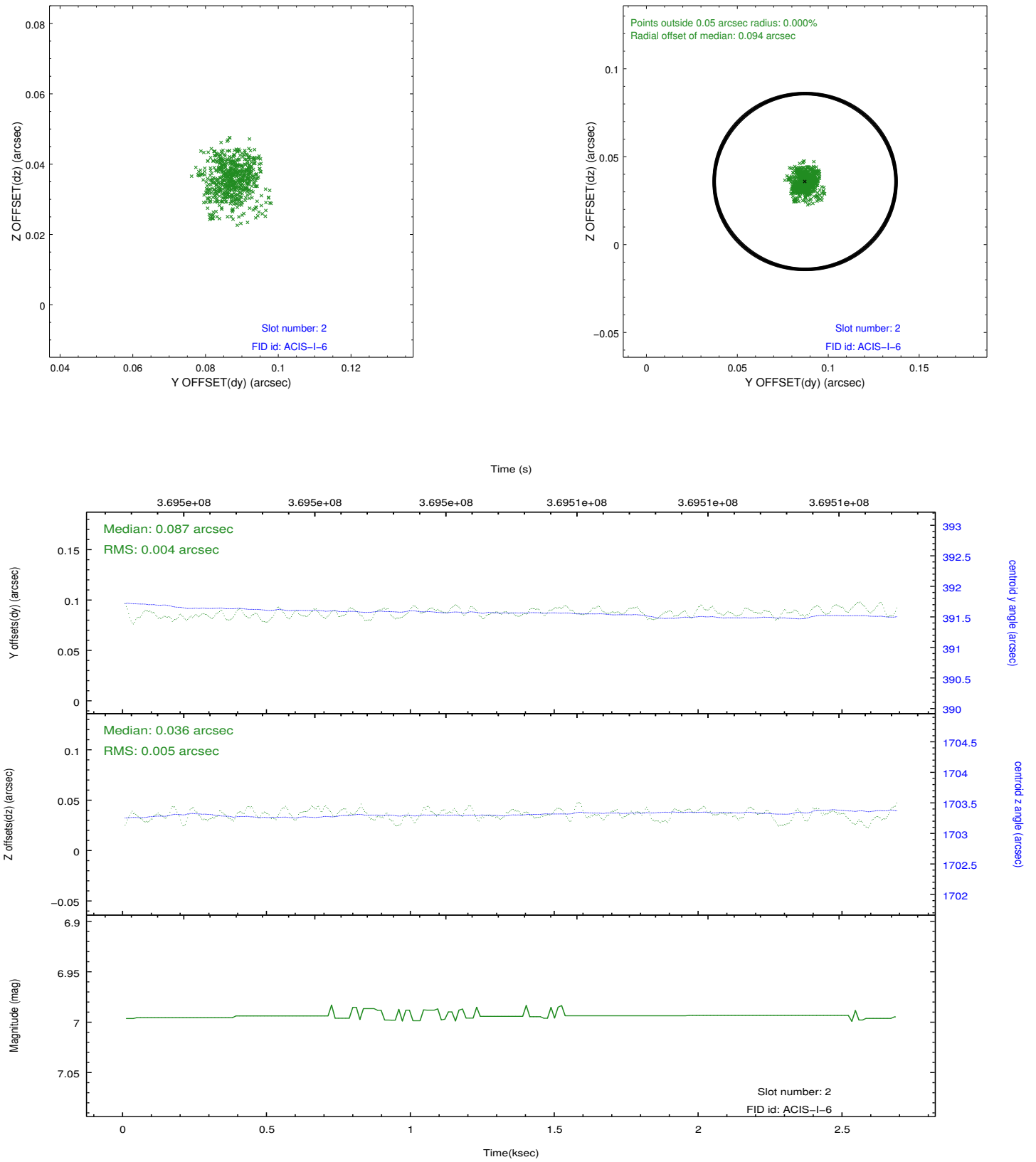
2.5.1 Slot 0



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)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.6752590303421

A.2 Comments