

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9436 - L2 Version 2
Chandra X-Ray Center

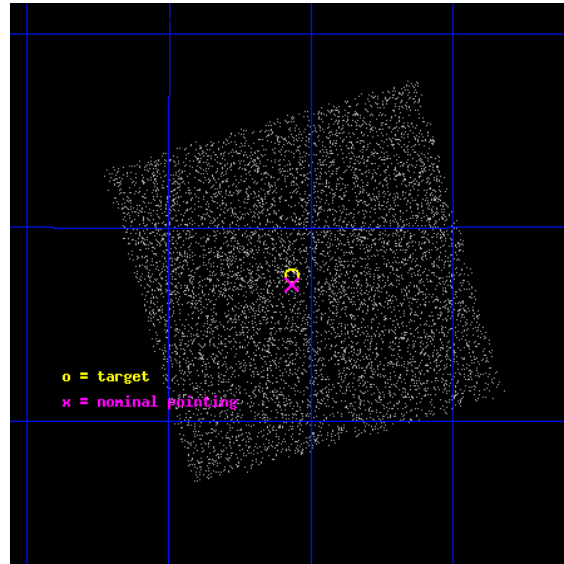
L2 Processing Date : May 18 2012

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1 Front

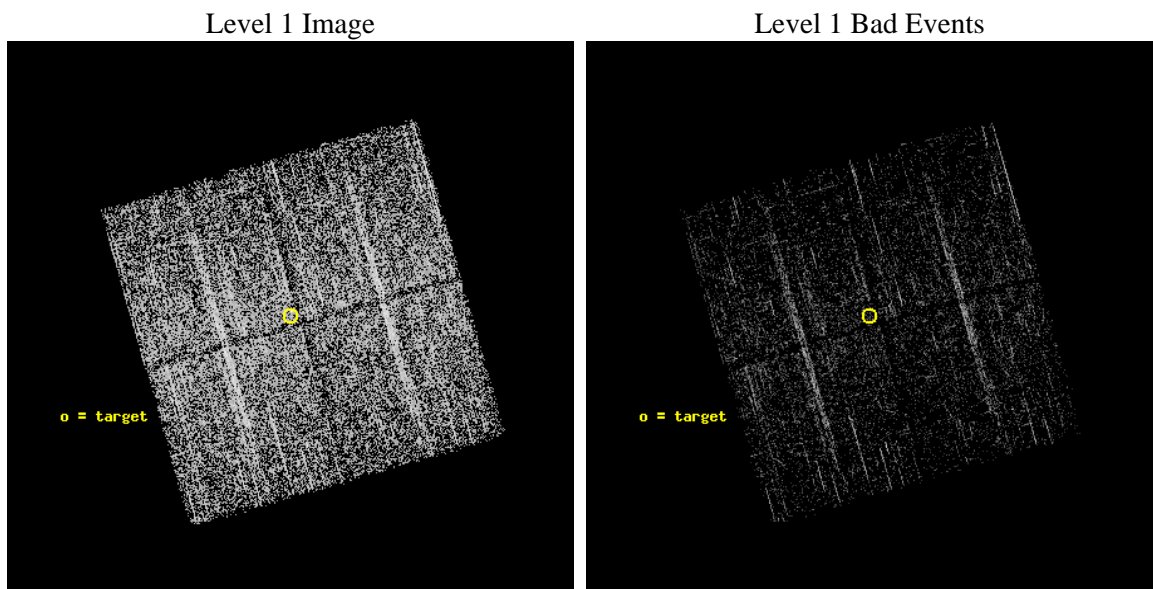
seq_num	900782	Sequence number
obs_id	9436	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	NGC 4235 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	184.141667	Observer's specified target RA [deg]
dec_targ	7.459167	Observer's specified target Dec [deg]
ra_nom	184.14195650566	Nominal RA [deg]
dec_nom	7.4507656531211	Nominal Dec [deg]
roll_nom	254.03172370024	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1971.6000151634	Sum of GTIs [s]
livetime	1945.8396094945	Livetime [s]
ontime0	1971.6000151634	Sum of GTIs [s]
ontime1	1971.6000151634	Sum of GTIs [s]
ontime2	1971.6000151634	Sum of GTIs [s]
ontime3	1971.6000151634	Sum of GTIs [s]
l2events	8358	Number of level 2 events



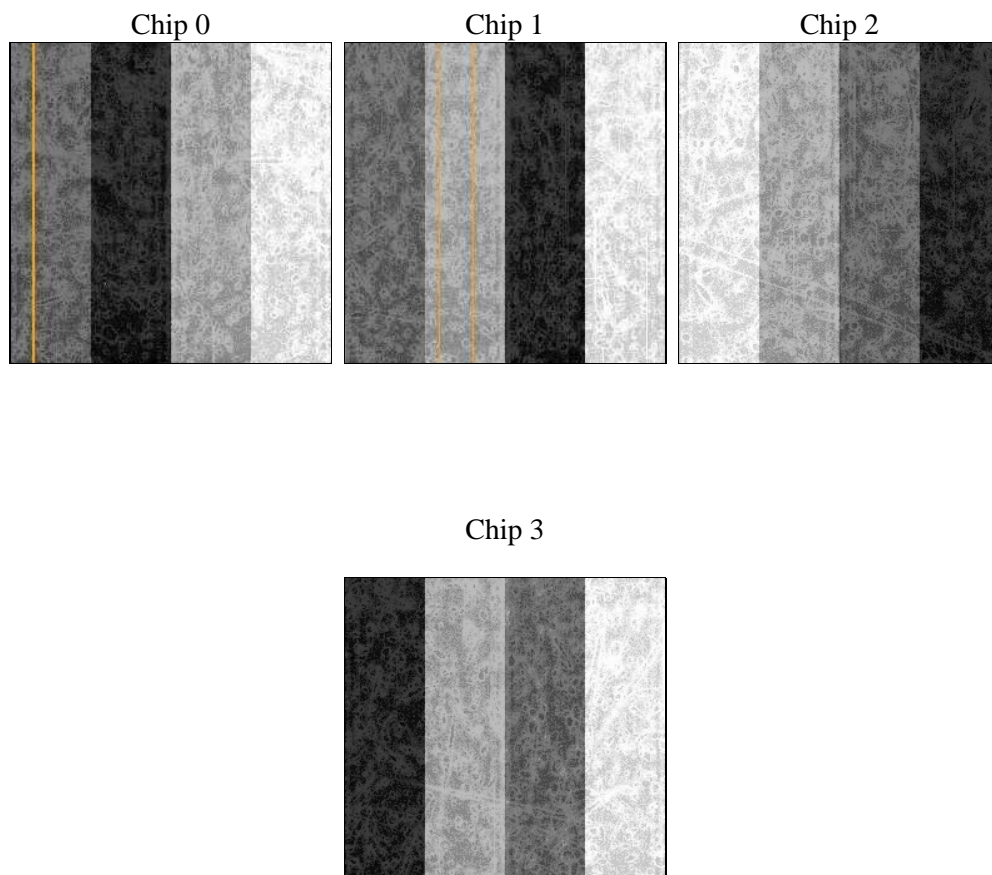
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.957000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1971.6000151634	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	1971.6000151634	Sum of GTIs [s]
date	2012-05-19T01:45:36	Date and time of file creation	ontime1	1971.6000151634	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1971.6000151634	Sum of GTIs [s]
			ontime3	1971.6000151634	Sum of GTIs [s]
			l1events	74230	Number of level 1 events

2.1.4 Events

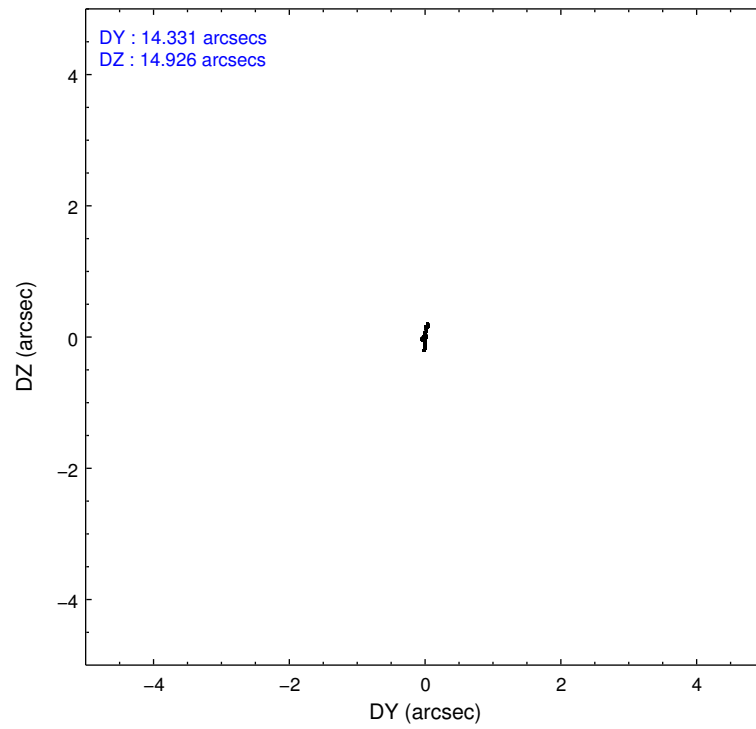
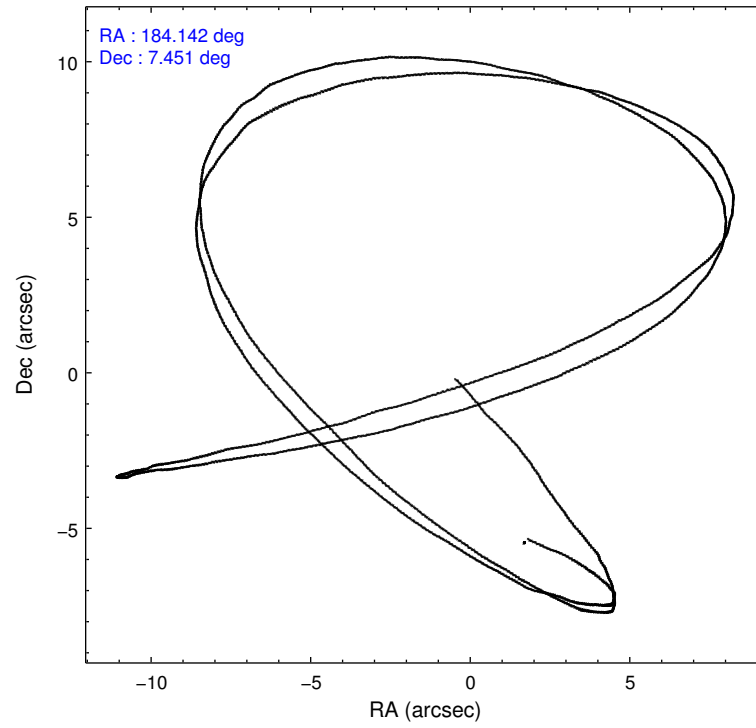
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	17421	18334	19435	19040
rejected events	15015	15764	17153	16606
rejected %	86%	85%	88%	87%

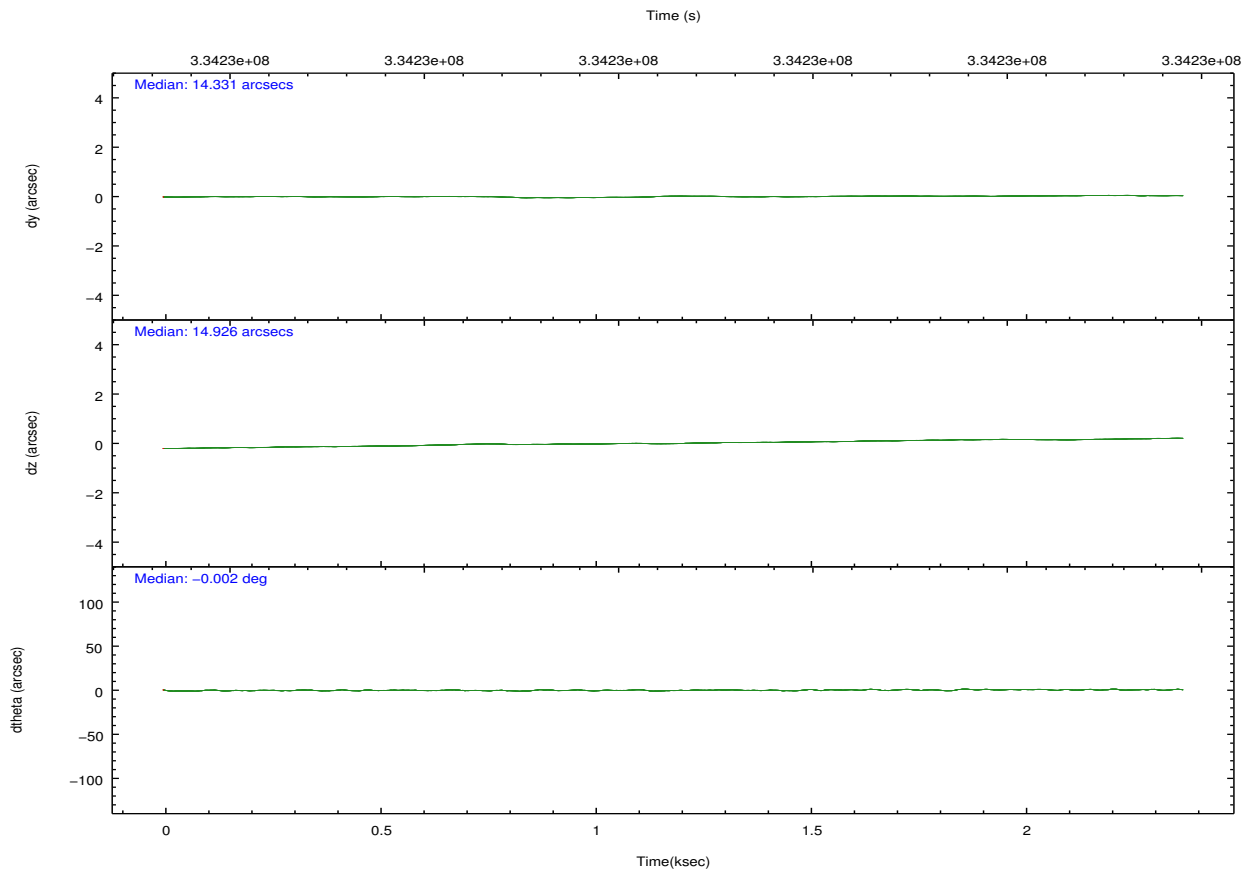
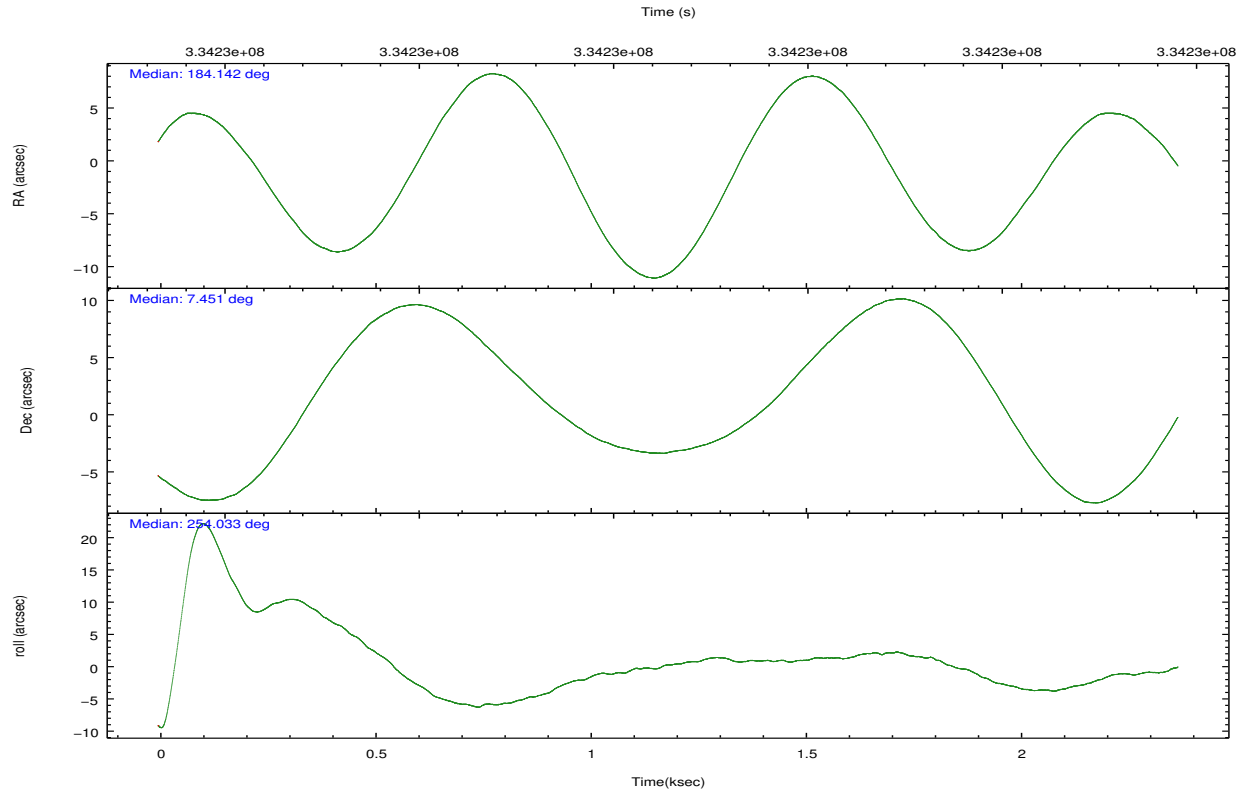
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1003	967	1047	1023
	5%	5%	5%	5%
grade 1 events	8	8	12	11
	0%	0%	0%	0%
grade 2 events	513	612	440	497
	2%	3%	2%	2%
grade 3 events	215	241	214	248
	1%	1%	1%	1%
grade 4 events	238	246	224	226
	1%	1%	1%	1%
grade 5 events	861	838	792	924
	4%	4%	4%	4%
grade 6 events	442	510	362	446
	2%	2%	1%	2%
grade 7 events	14141	14912	16344	15665
	81%	81%	84%	82%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	184.135027	184.1419565056636	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.477740	7.450765653121111	Alternating exposures requested	N	N
[deg] Pointing Roll	253.824142	254.031723700237	[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)	334231639.184000	334230999.6512			
Observation start date	2008-08-04T10:06:14	2008-08-04T09:56:39			
[s] Observation end time (MET)	334233820.184000	334234050.56385			
Observation end date	2008-08-04T10:42:35	2008-08-04T10:47:30			
Read mode	TIMED	TIMED			

2.3 Aspect



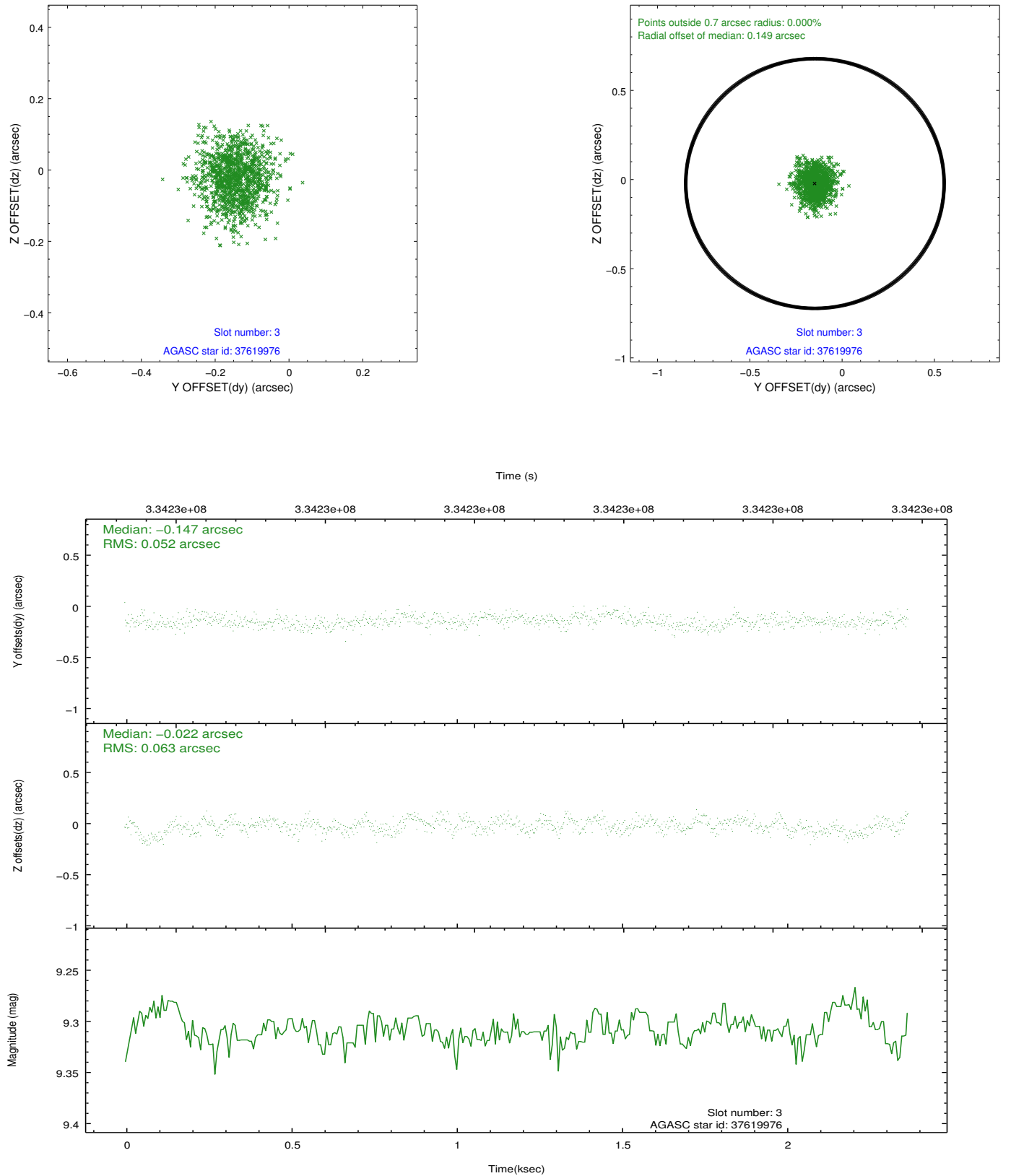


Slot Statistics

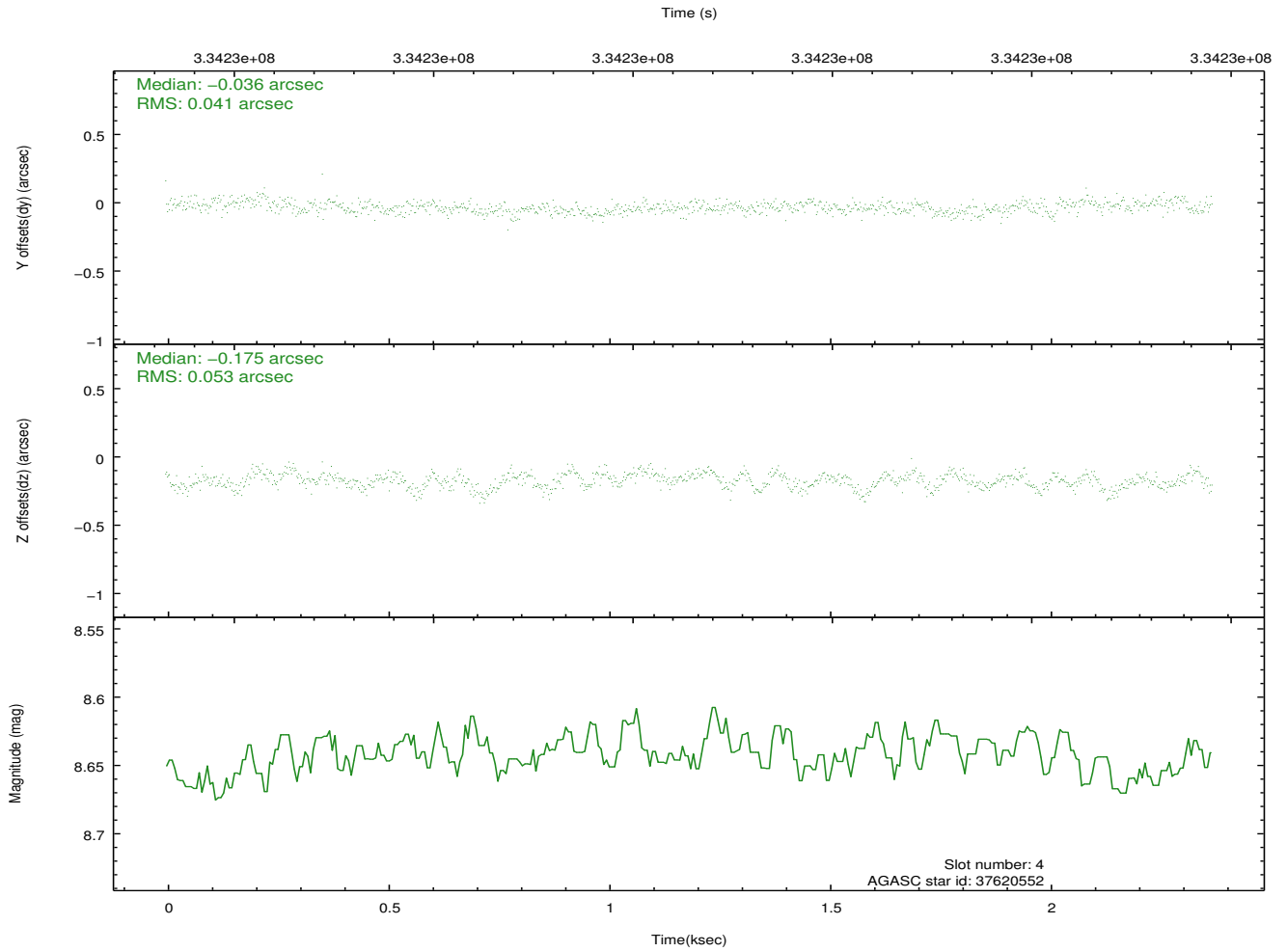
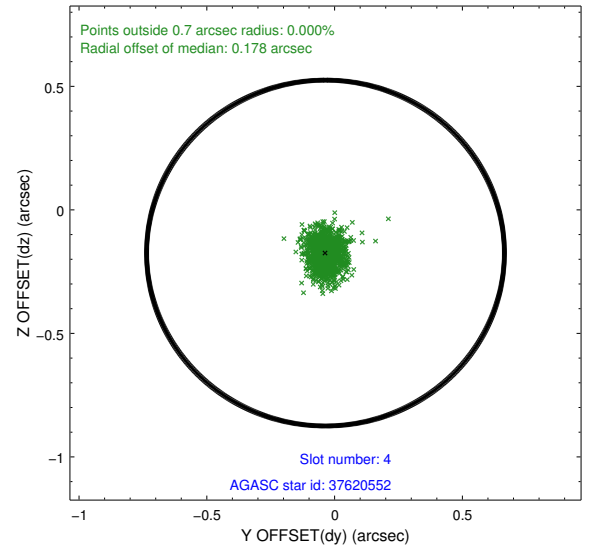
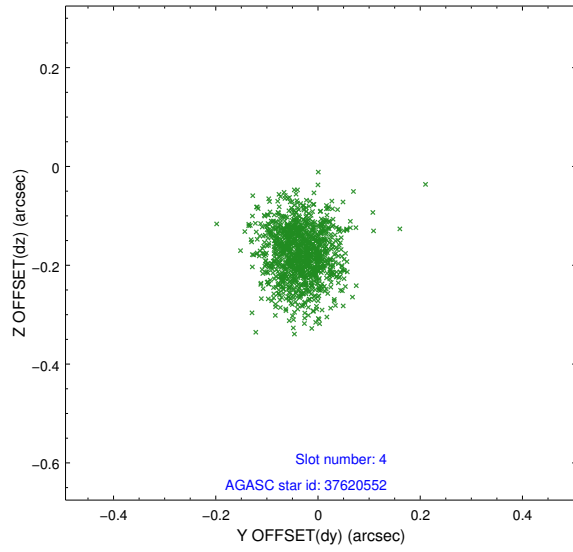
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	579	0.004	0.032	0.008	0.016	0.000000	0.000000	925.16	-838.49
1	FID	ACIS-I-5	7.04	578	-0.188	0.020	0.006	0.011	0.000000	0.000000	-1821.65	1057.58
2	FID	ACIS-I-6	7.05	579	0.093	0.018	0.008	0.013	0.000000	0.000000	387.79	1705.21
3	GUIDE	37619976	9.31	1157	-0.147	-0.022	0.087	0.143	183.960561	7.445990	282.53	-566.86
4	GUIDE	37620552	8.64	1156	-0.036	-0.175	0.070	0.119	184.111141	7.355457	446.31	38.82
5	GUIDE	37621368	10.06	1148	-0.012	0.153	0.143	0.242	183.815847	7.010576	1932.46	-627.24
6	GUIDE	37624296	10.15	1153	0.145	-0.053	0.162	0.260	183.711352	6.967644	2186.09	-943.86
7	GUIDE	114426224	8.85	1156	0.049	0.094	0.097	0.151	184.430539	7.663672	-935.45	824.83

2.4 Star Slots

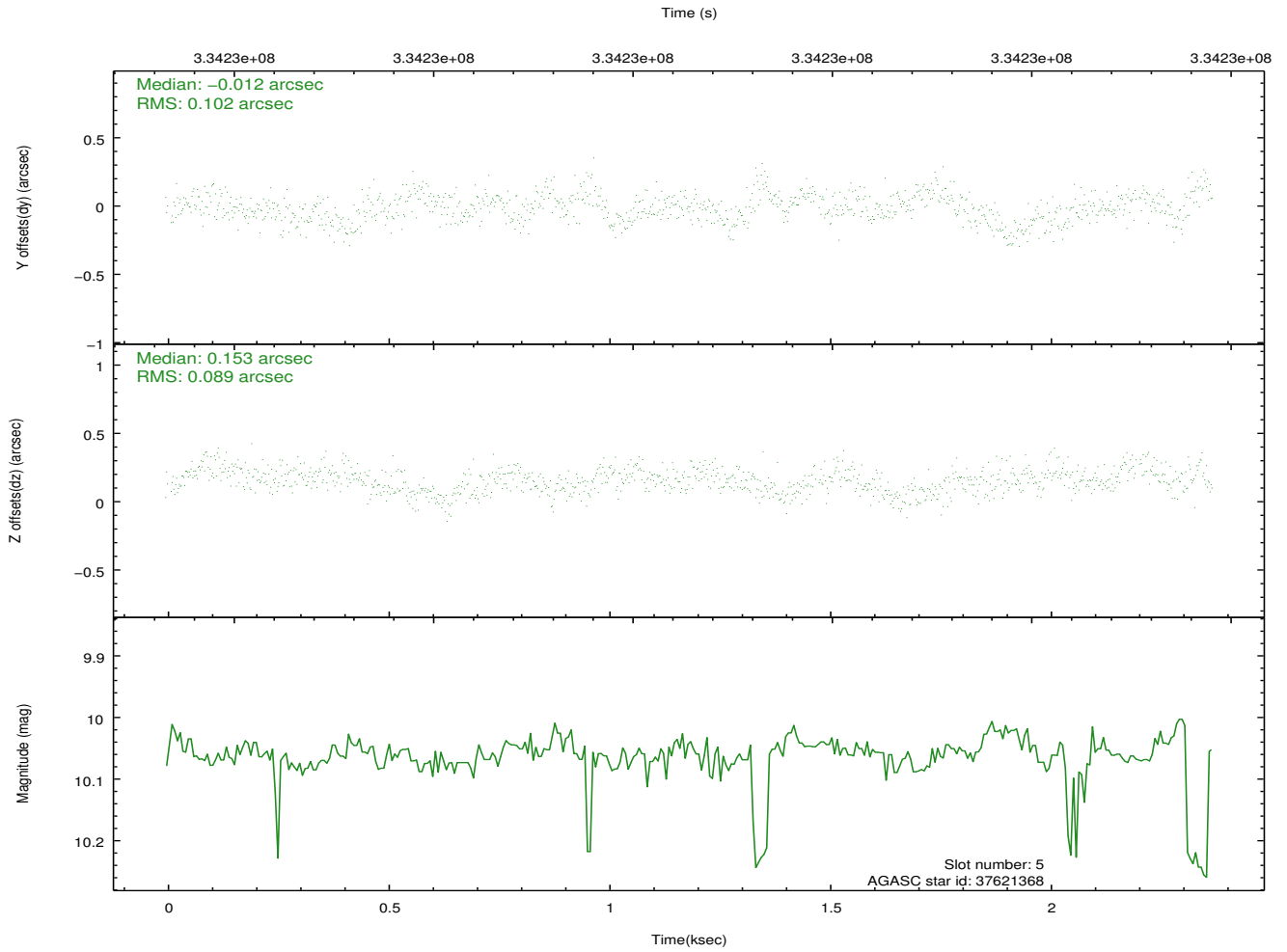
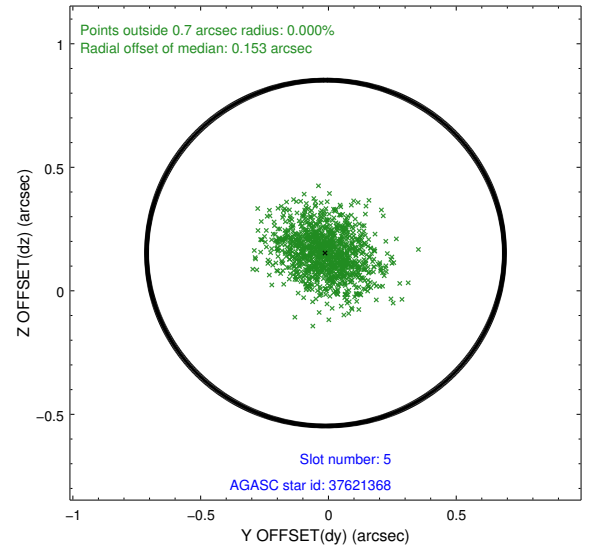
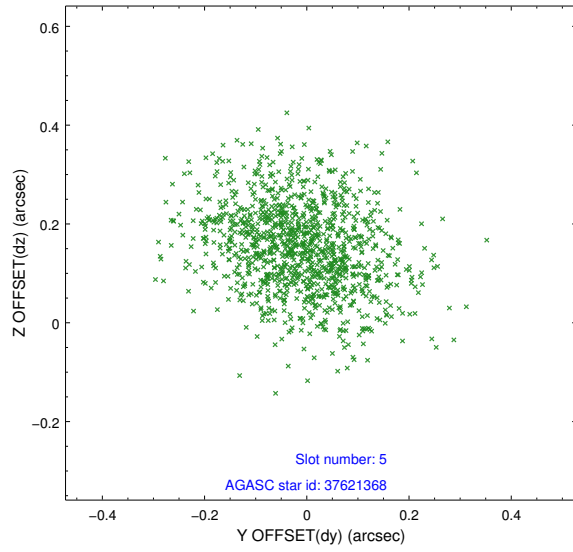
2.4.1 Slot 3



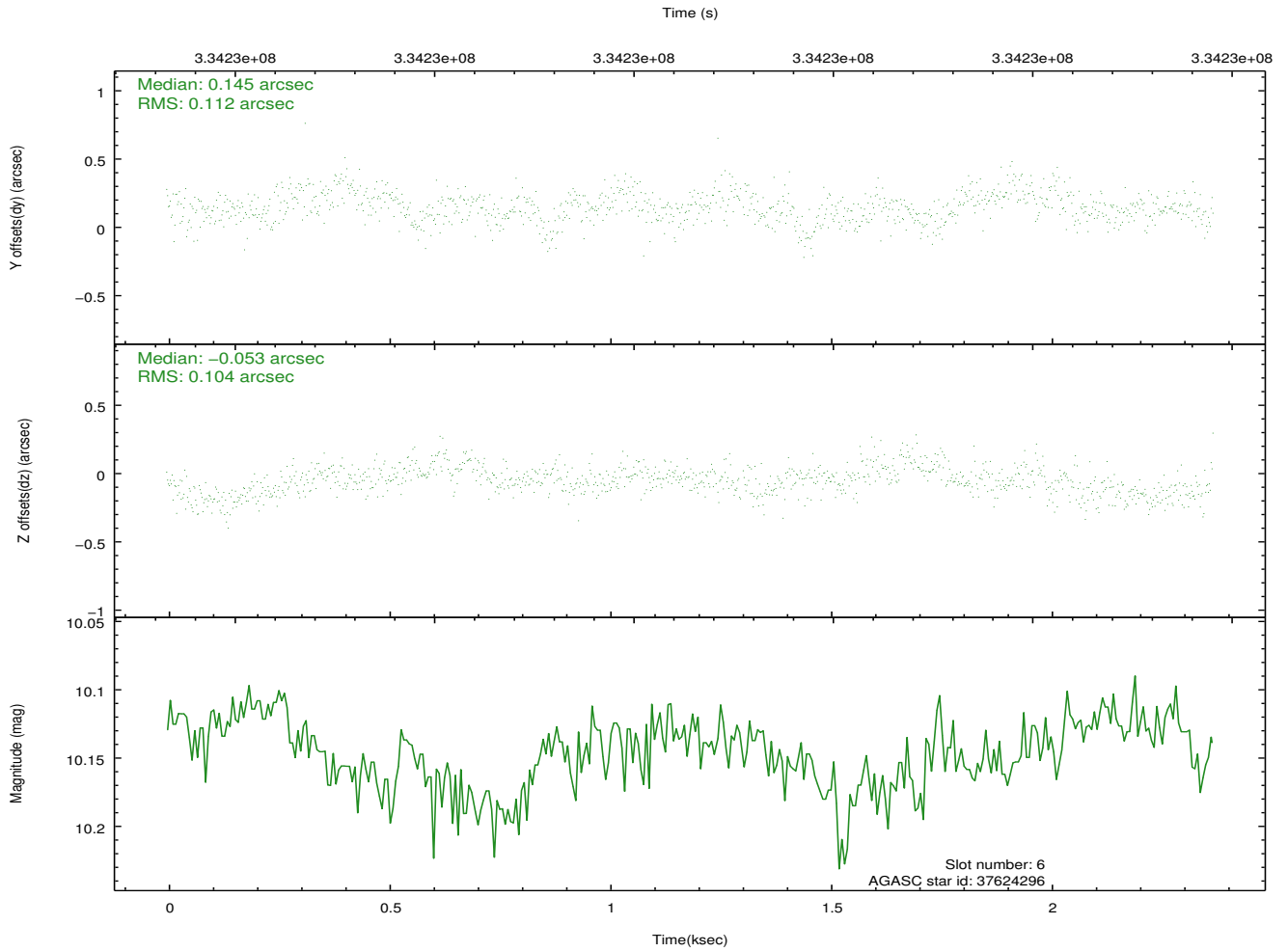
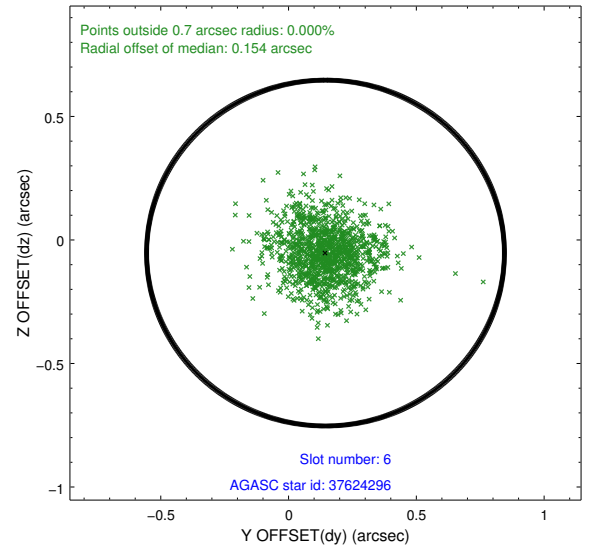
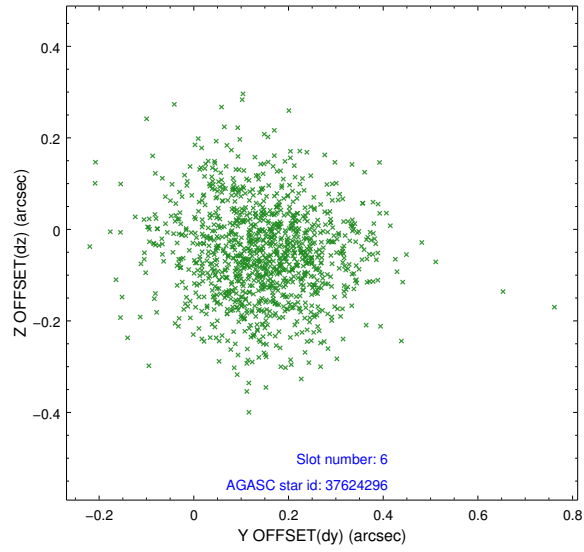
2.4.2 Slot 4



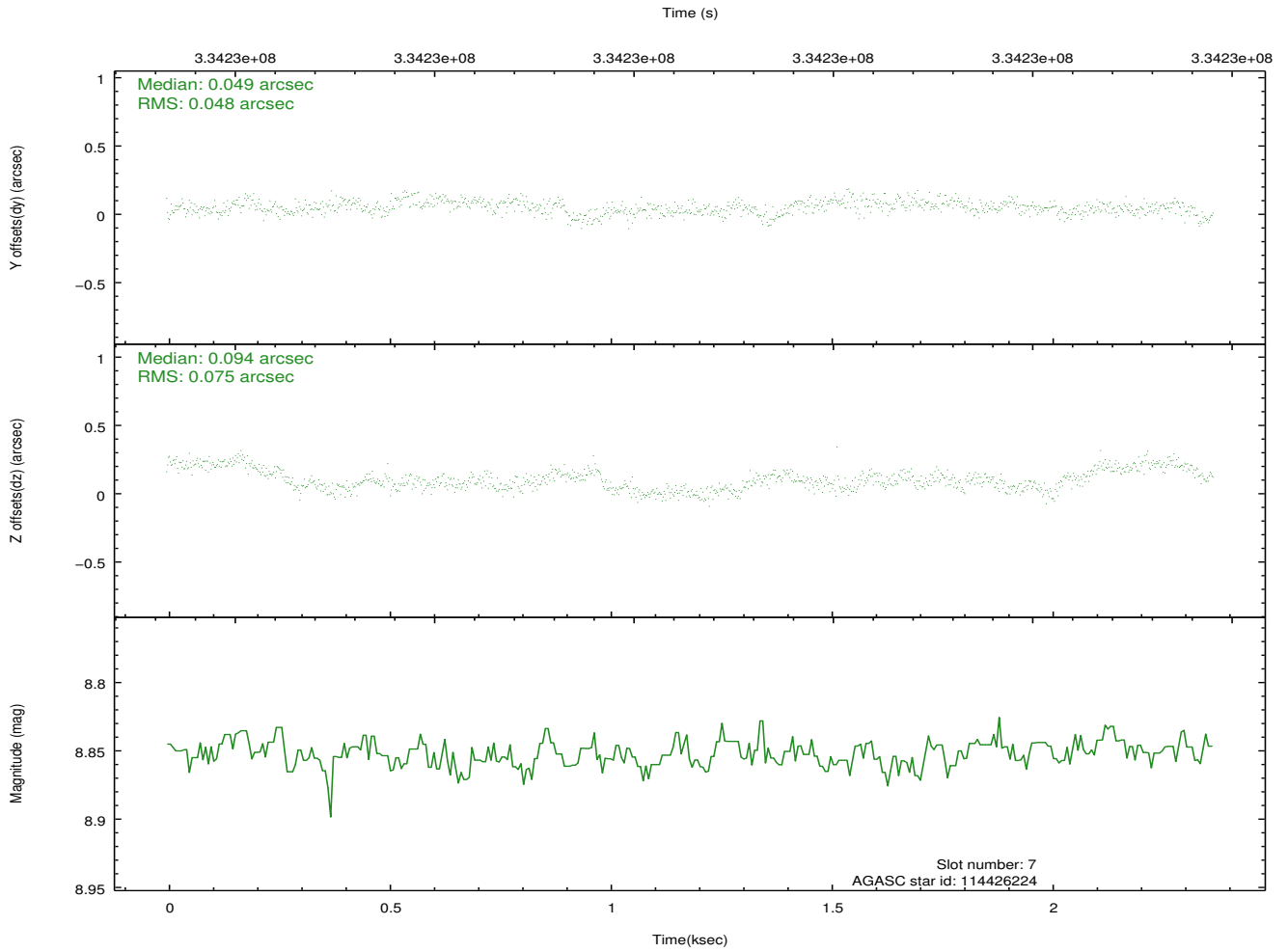
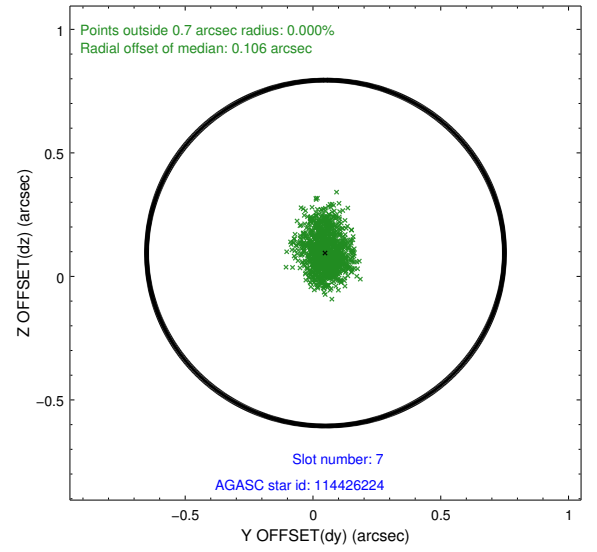
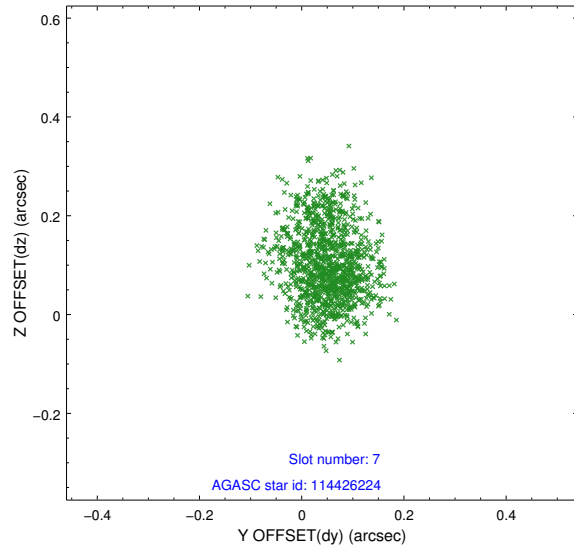
2.4.3 Slot 5



2.4.4 Slot 6

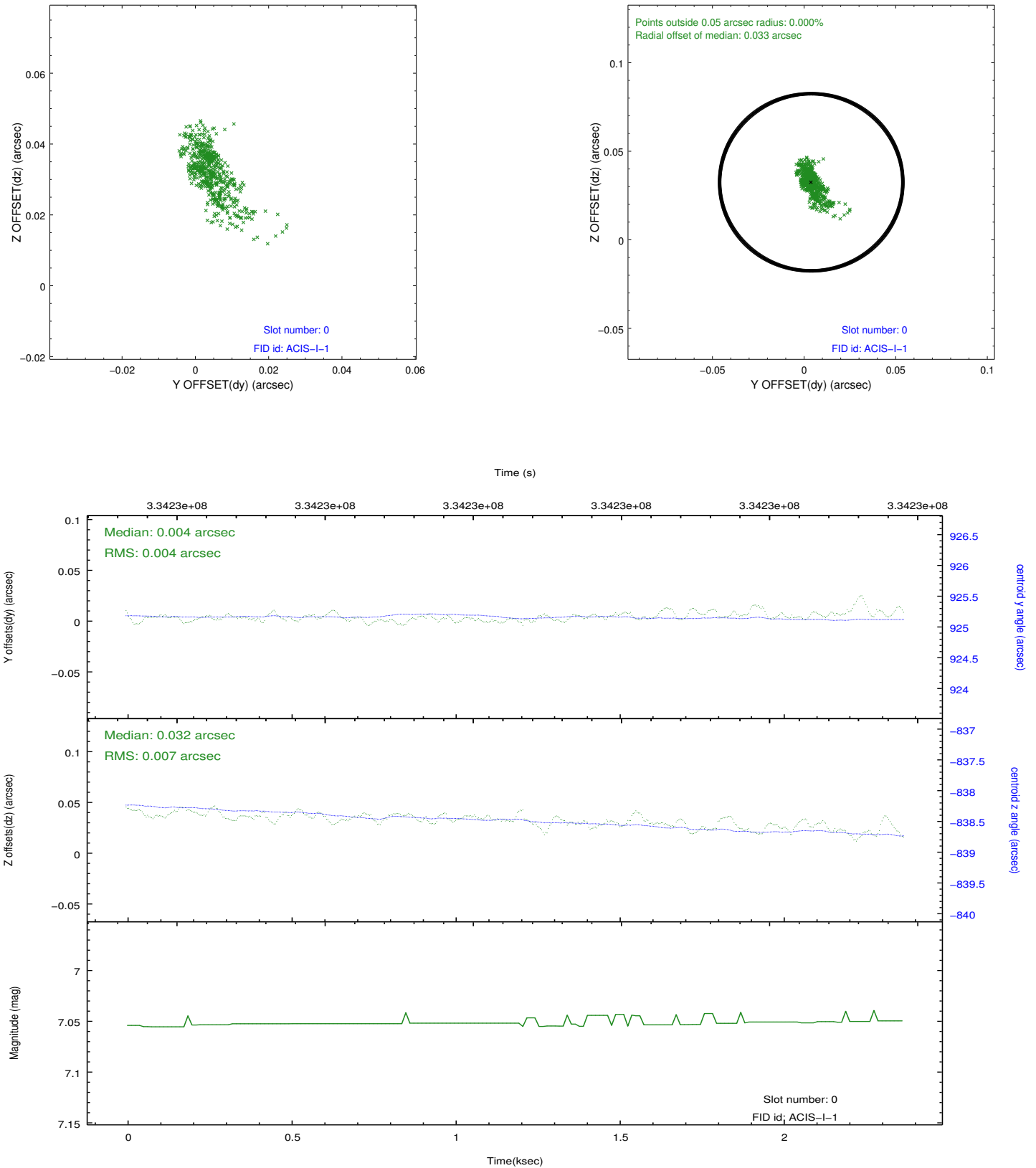


2.4.5 Slot 7

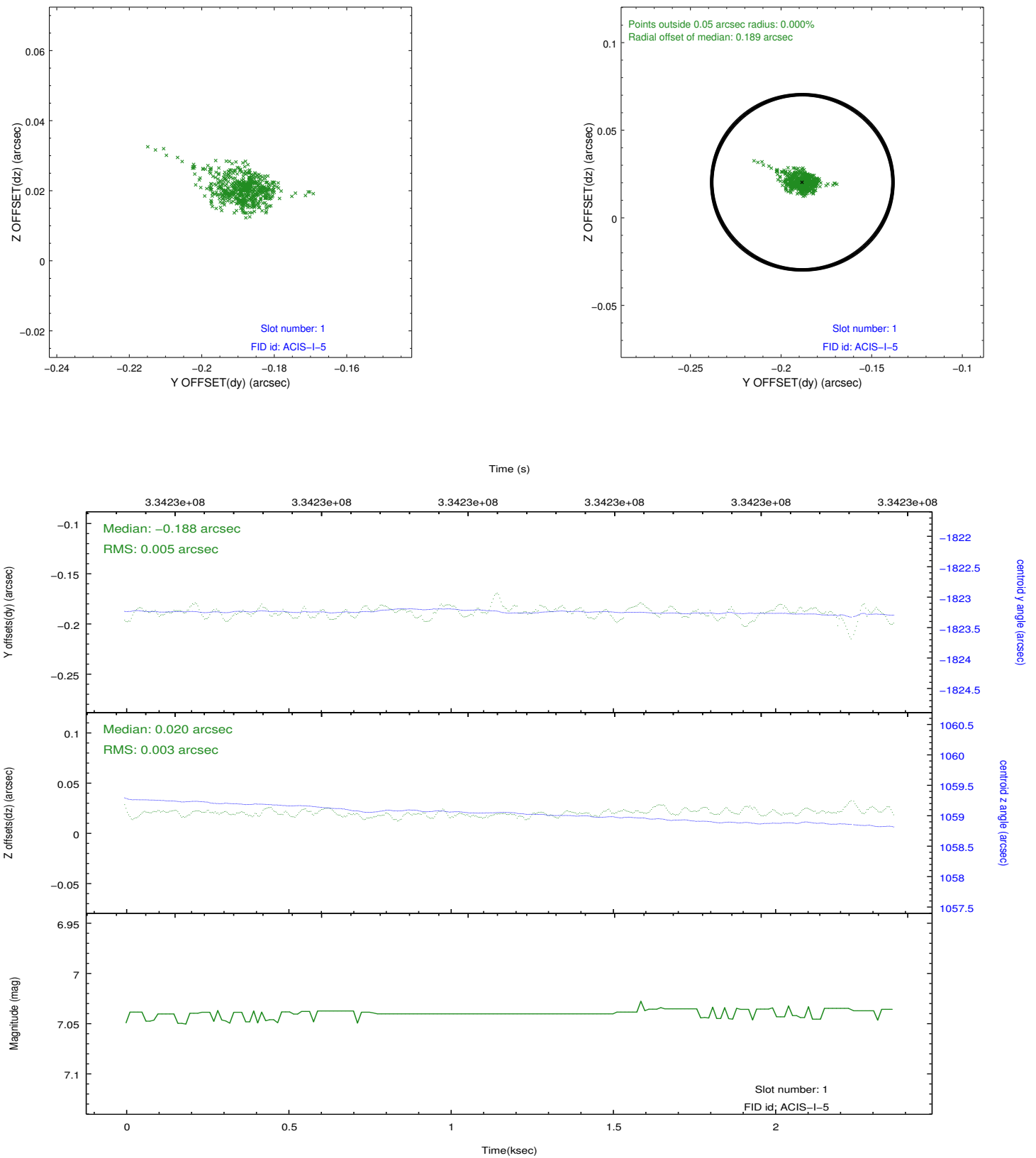


2.5 FID Slots

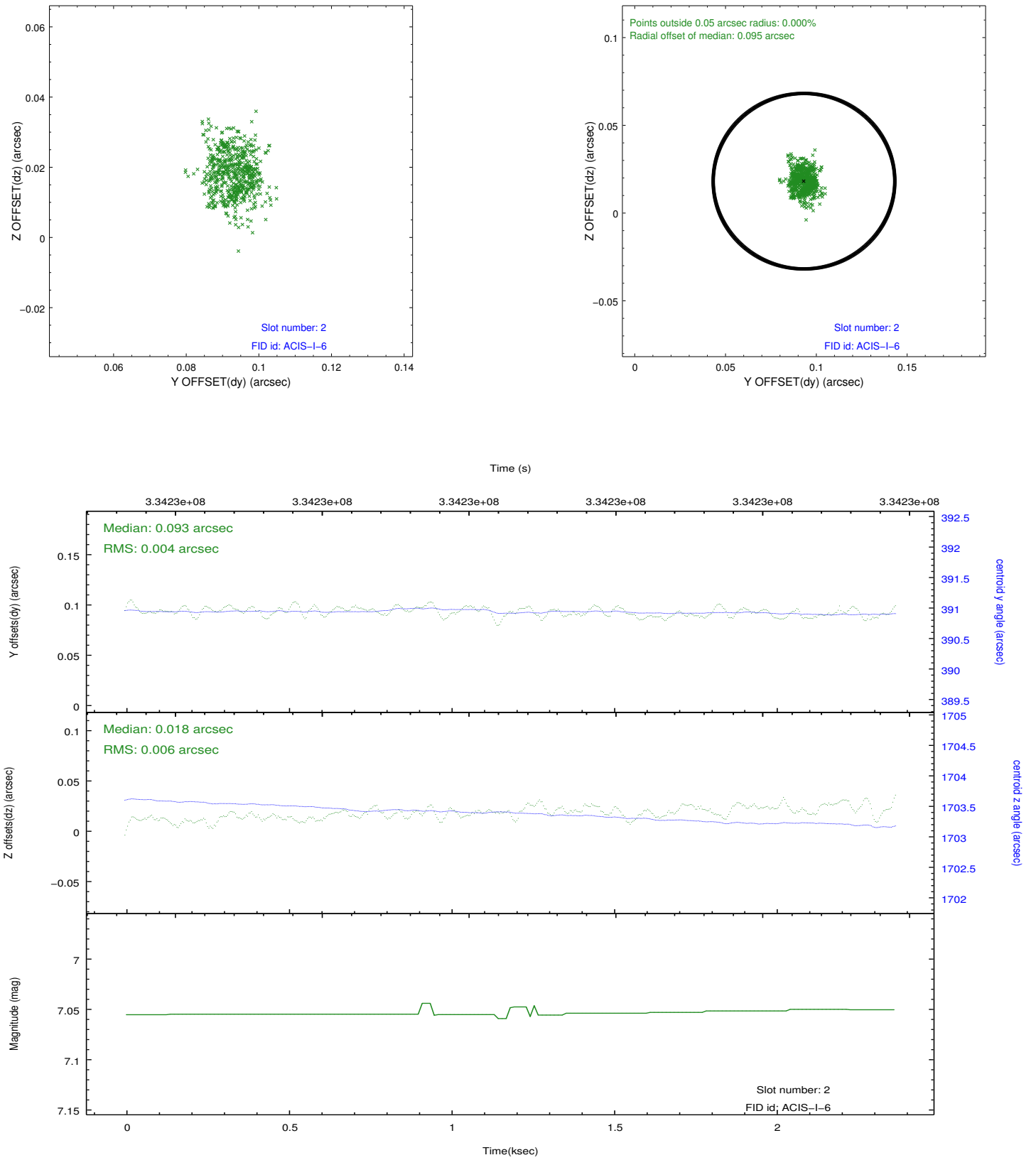
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.97160001

A.2 Comments