

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9438 - L2 Version 2
Chandra X-Ray Center

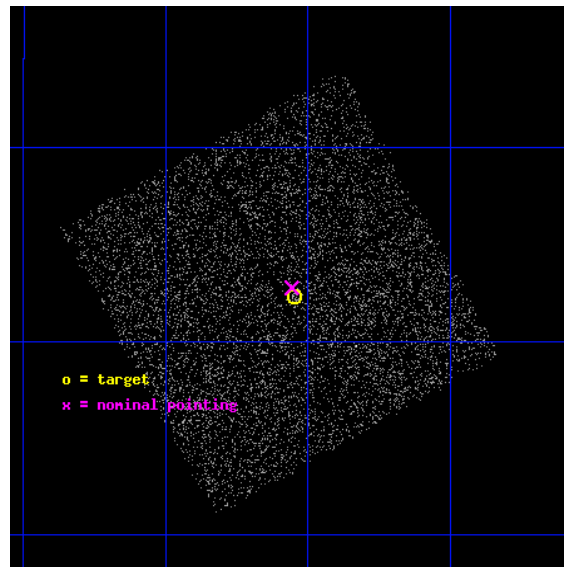
L2 Processing Date : May 23 2012

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1 Front

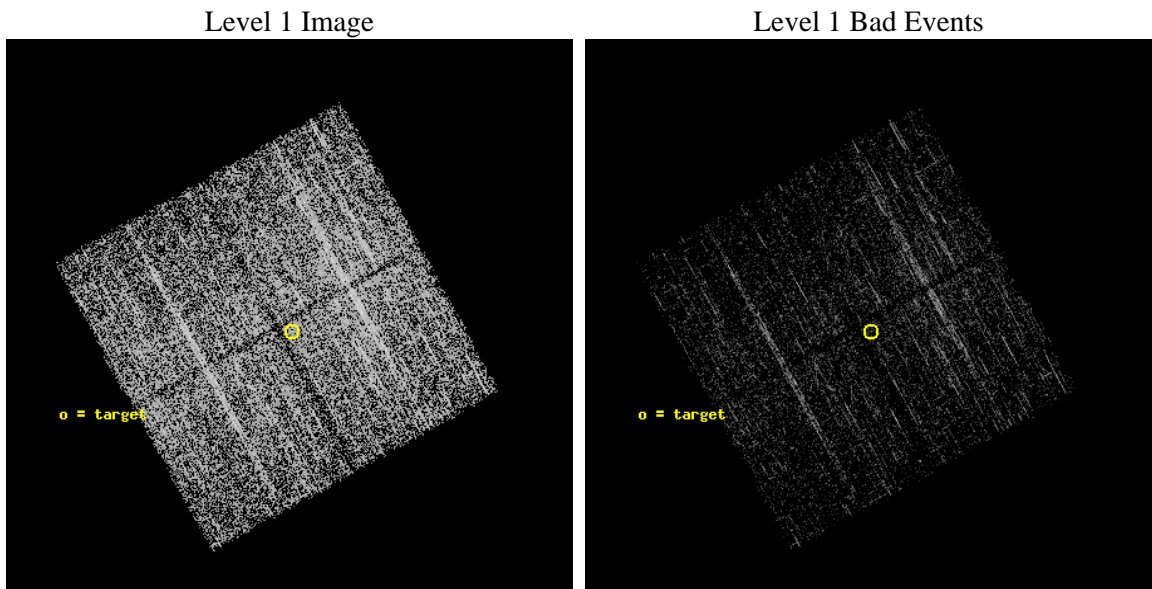
seq_num	900784	Sequence number
obs_id	9438	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	NGC 4180	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.2625	Observer's specified target RA [deg]
dec_targ	7.038056	Observer's specified target Dec [deg]
ra_nom	183.26423551354	Nominal RA [deg]
dec_nom	7.04604649242	Nominal Dec [deg]
roll_nom	61.041787962779	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2129.7000163794	Sum of GTIs [s]
livetime	2101.873917803	Livetime [s]
ontime0	2129.7000163794	Sum of GTIs [s]
ontime1	2129.7000163794	Sum of GTIs [s]
ontime2	2129.7000163794	Sum of GTIs [s]
ontime3	2129.7000163794	Sum of GTIs [s]
l2events	9117	Number of level 2 events



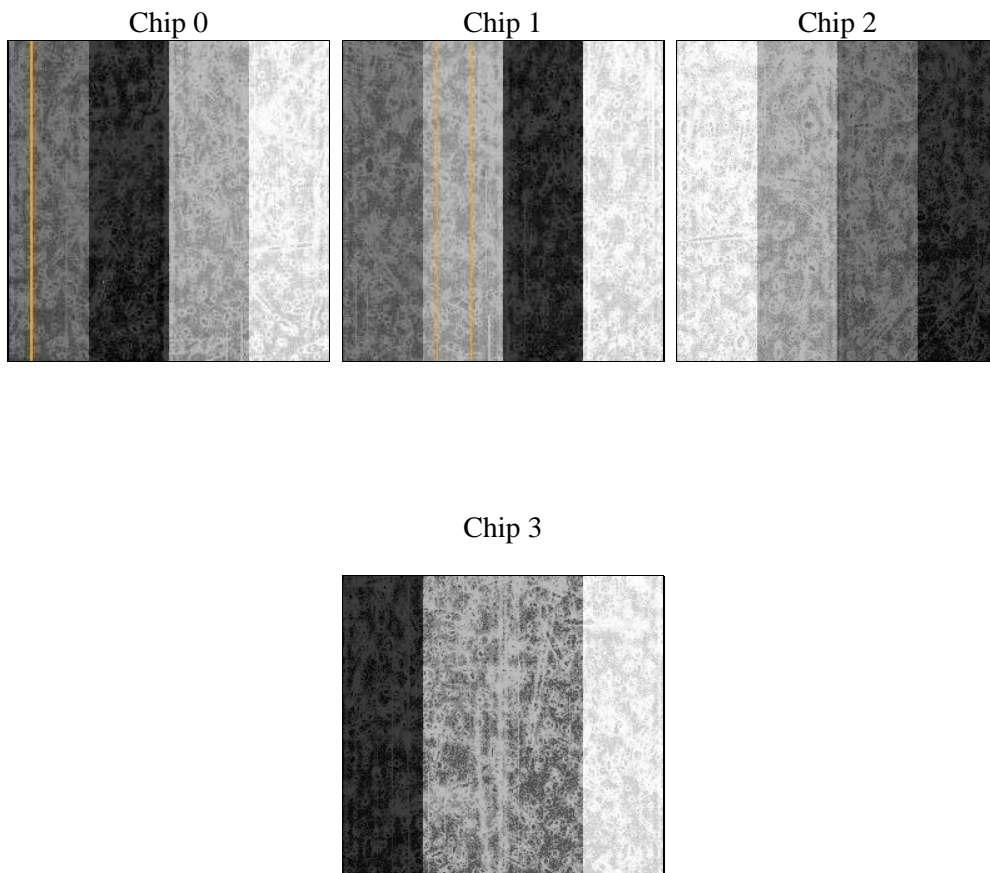
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2129.7000163794	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2129.7000163794	Sum of GTIs [s]
date	2012-05-24T02:17:35	Date and time of file creation	ontime1	2129.7000163794	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2129.7000163794	Sum of GTIs [s]
			ontime3	2129.7000163794	Sum of GTIs [s]
			l1events	107344	Number of level 1 events

2.1.4 Events

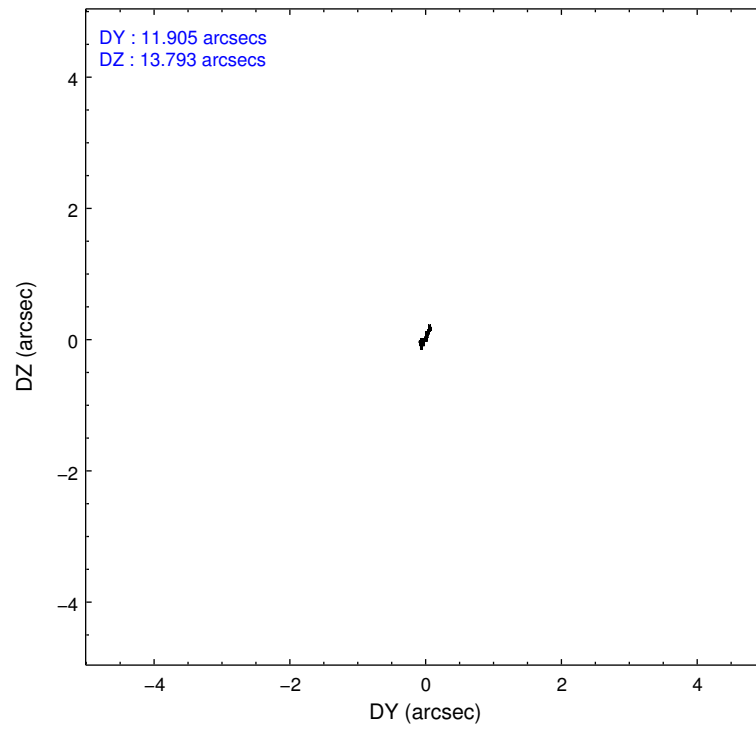
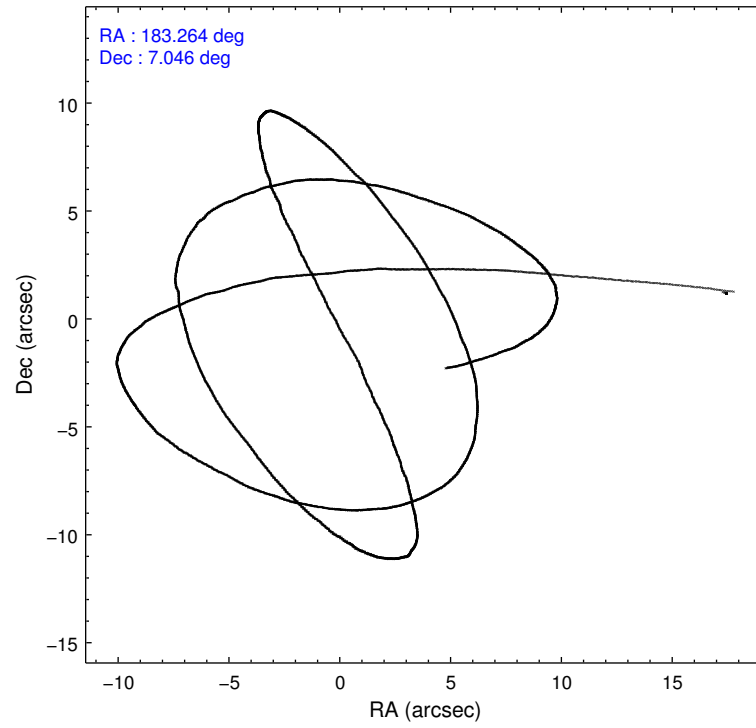
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24229	25497	28414	29204
rejected events	21581	22738	25947	26445
rejected %	89%	89%	91%	90%

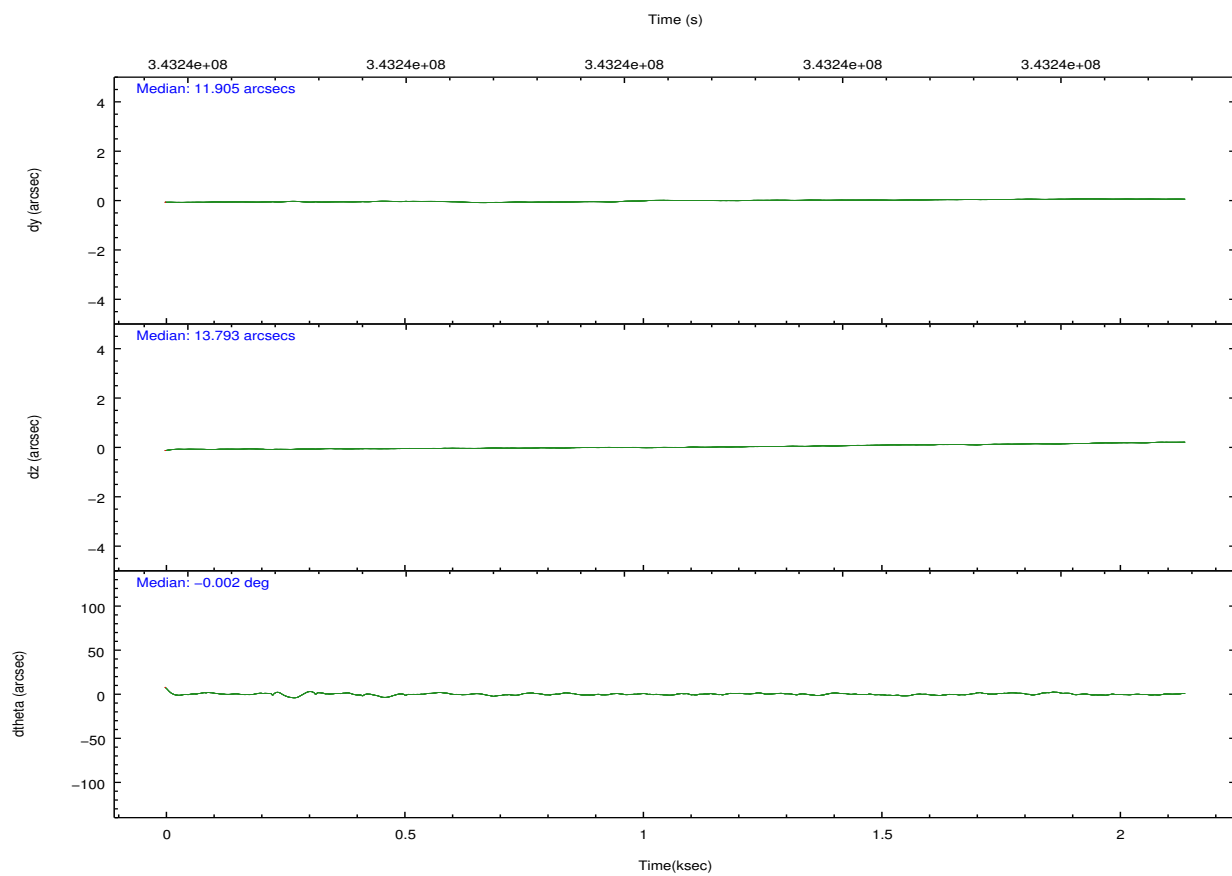
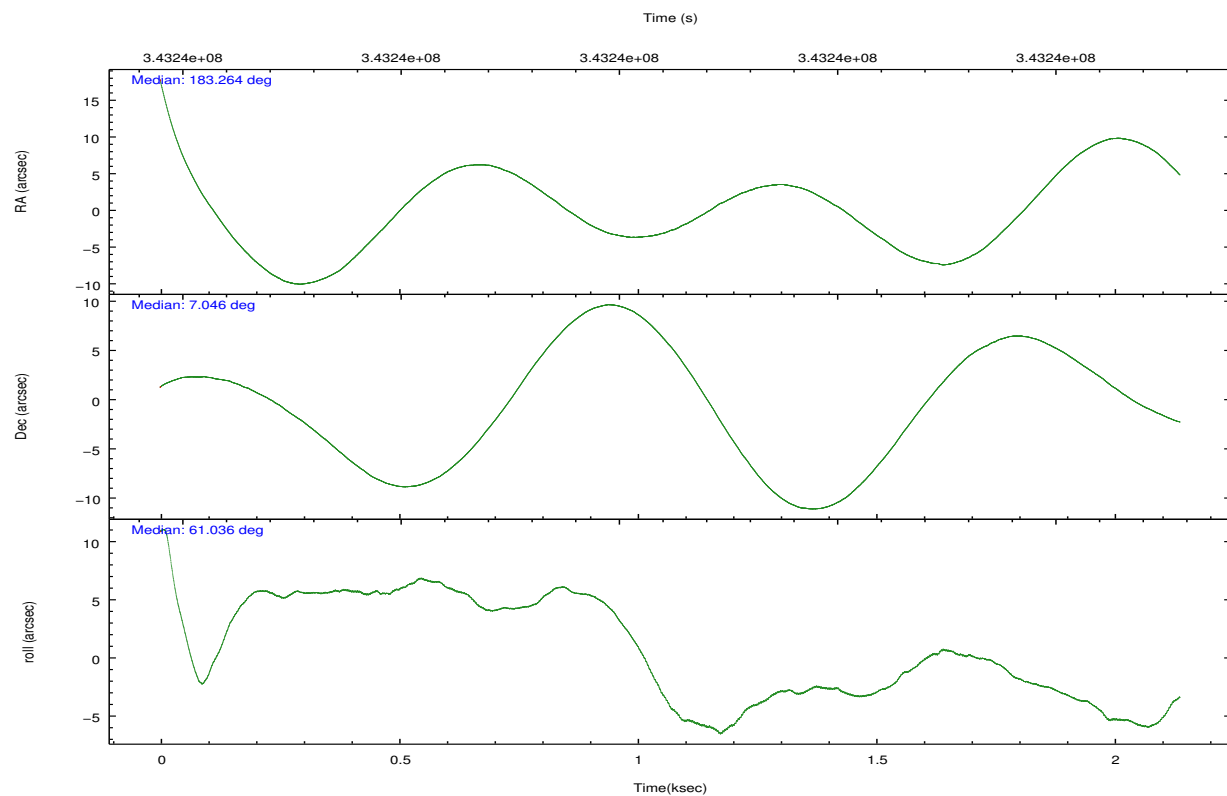
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1426	1410	1346	1614
	5%	5%	4%	5%
grade 1 events	22	11	15	31
	0%	0%	0%	0%
grade 2 events	769	856	780	686
	3%	3%	2%	2%
grade 3 events	300	327	326	337
	1%	1%	1%	1%
grade 4 events	317	312	298	311
	1%	1%	1%	1%
grade 5 events	1141	1245	1188	1334
	4%	4%	4%	4%
grade 6 events	617	711	548	624
	2%	2%	1%	2%
grade 7 events	19637	20625	23913	24267
	81%	80%	84%	83%

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	183.264759	183.2642355135416	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.018477	7.046046492419955	Alternating exposures requested	N	N
[deg] Pointing Roll	60.832975	61.04178796277861	[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)	343240680.184000	343239456.31669			
Observation start date	2008-11-16T16:36:55	2008-11-16T16:17:36			
[s] Observation end time (MET)	343242680.184000	343242912.61686			
Observation end date	2008-11-16T17:10:15	2008-11-16T17:15:12			
Read mode	TIMED	TIMED			

2.3 Aspect



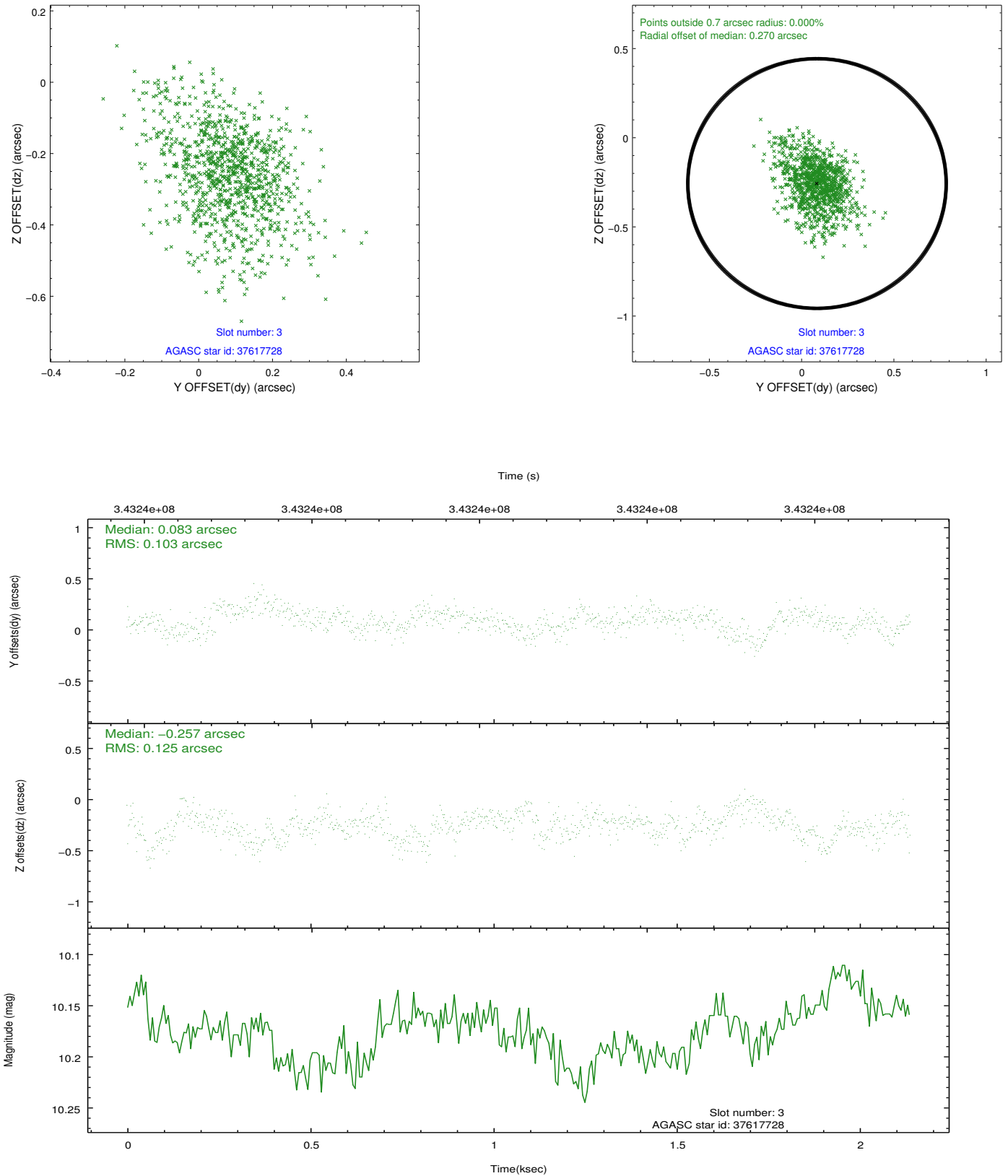


Slot Statistics

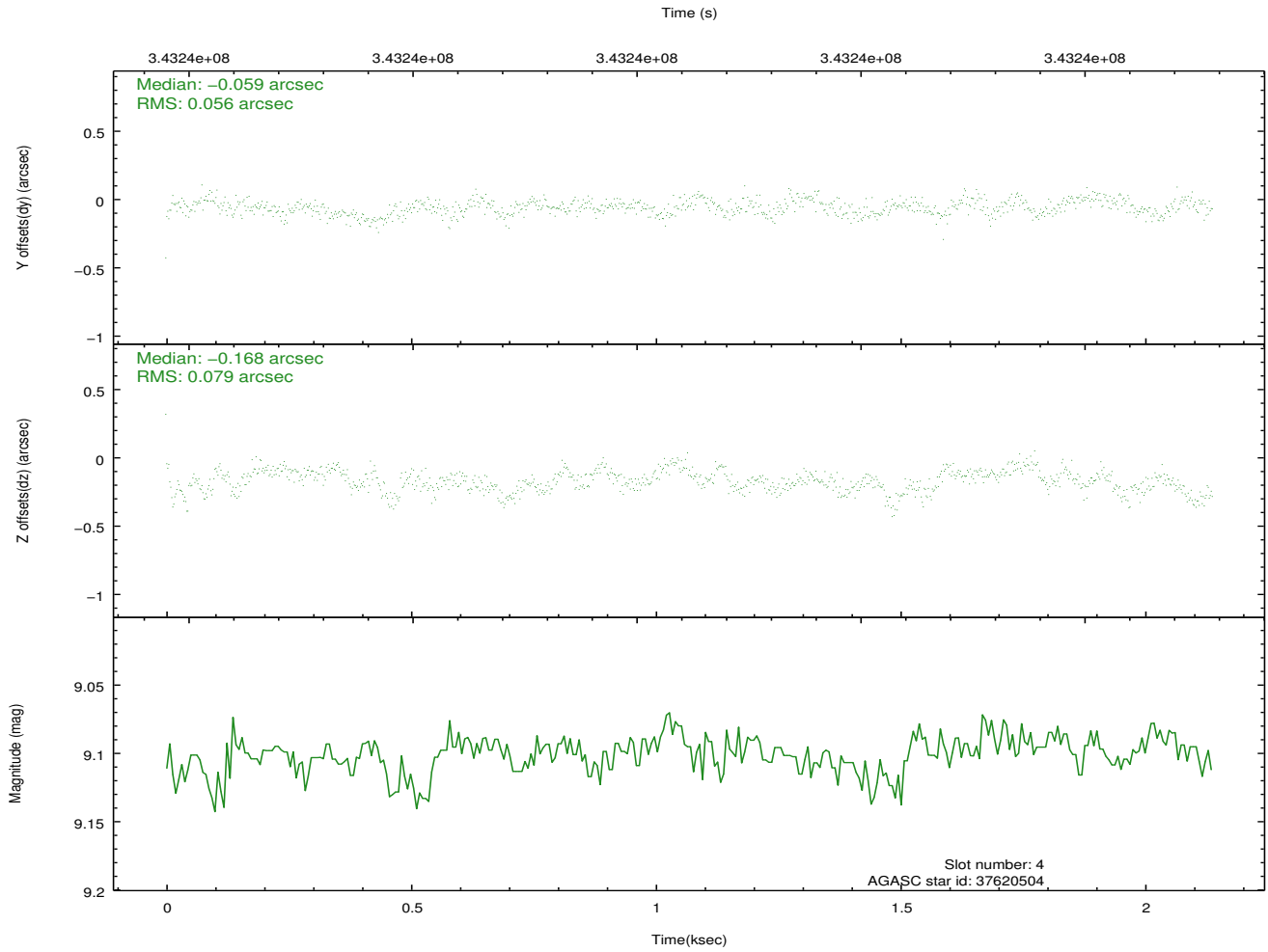
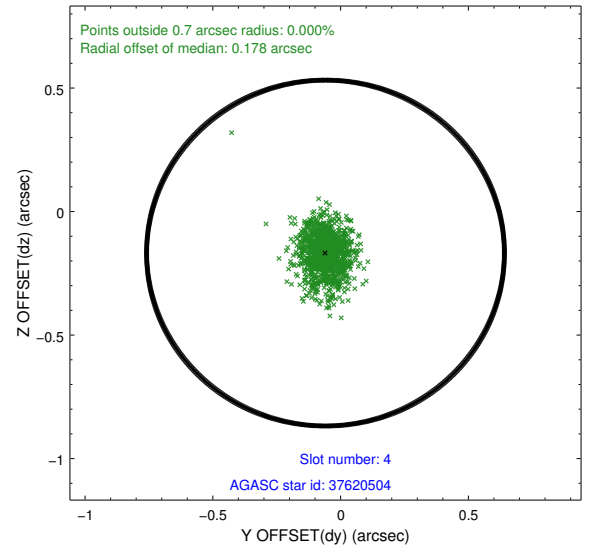
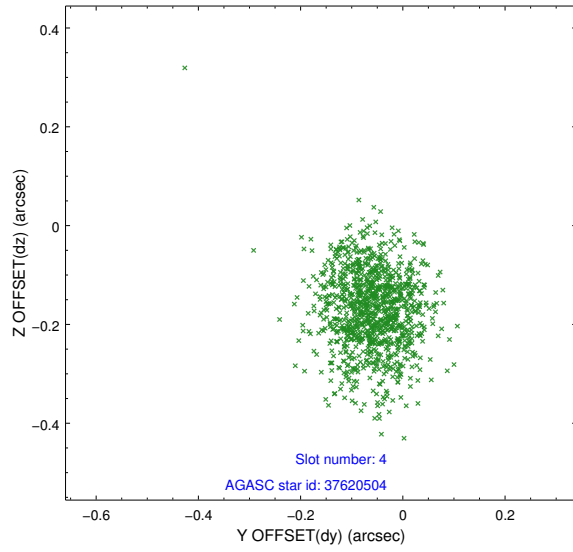
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	522	-0.060	0.091	0.009	0.015	0.000000	0.000000	927.58	-837.31
1	FID	ACIS-I-2	6.96	522	-0.125	-0.087	0.007	0.011	0.000000	0.000000	-764.88	-845.44
2	FID	ACIS-I-4	6.99	522	0.086	0.062	0.006	0.011	0.000000	0.000000	2146.24	1060.92
3	GUIDE	37617728	10.17	1043	0.083	-0.257	0.164	0.295	182.777968	7.264912	-72.04	1950.91
4	GUIDE	37620504	9.10	1044	-0.059	-0.168	0.101	0.168	182.880478	7.369004	432.98	1815.48
5	GUIDE	37621368	10.06	1043	-0.012	0.285	0.155	0.245	183.815847	7.010576	936.25	-1730.19
6	GUIDE	37624232	9.11	1044	0.195	-0.098	0.087	0.133	182.783437	6.678673	-1905.36	905.51
7	GUIDE	37624296	10.13	1039	-0.209	0.248	0.173	0.277	183.711352	6.967644	616.58	-1480.76

2.4 Star Slots

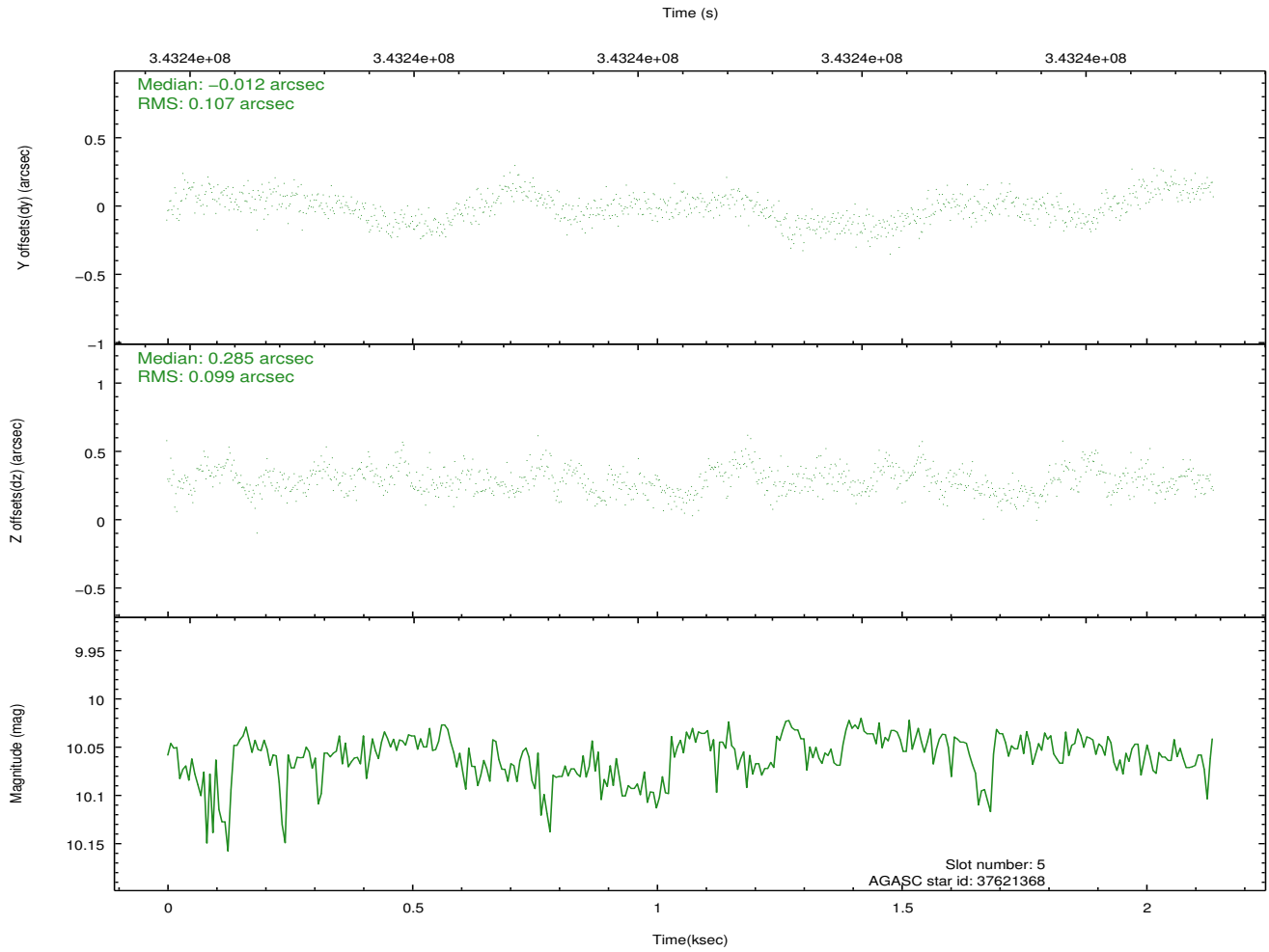
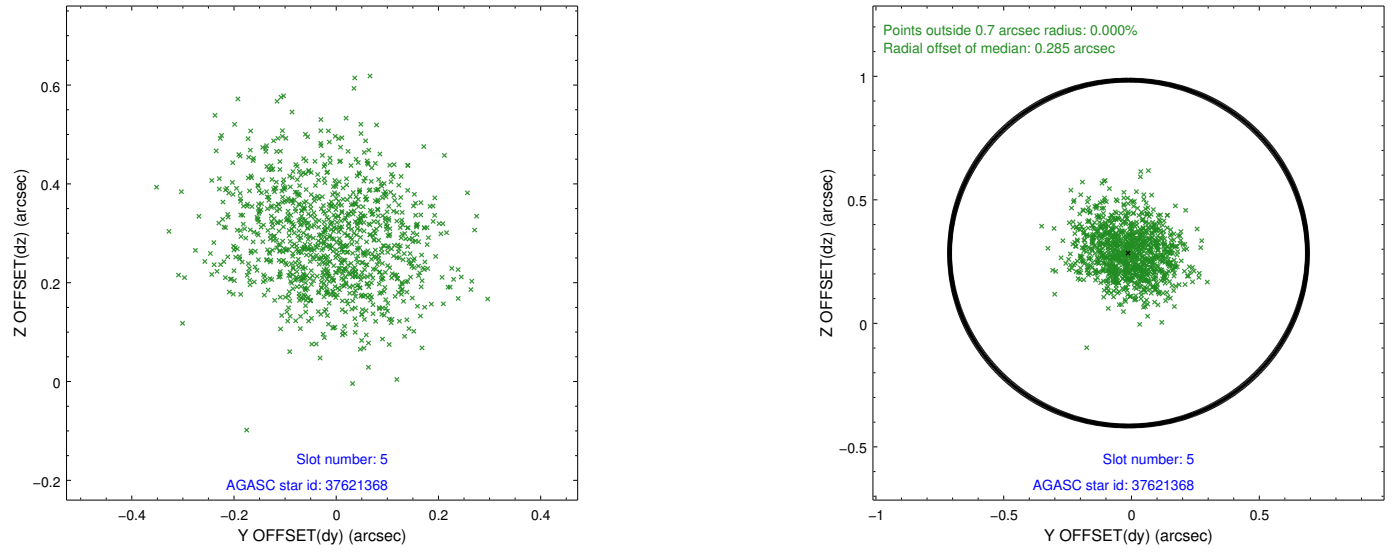
2.4.1 Slot 3



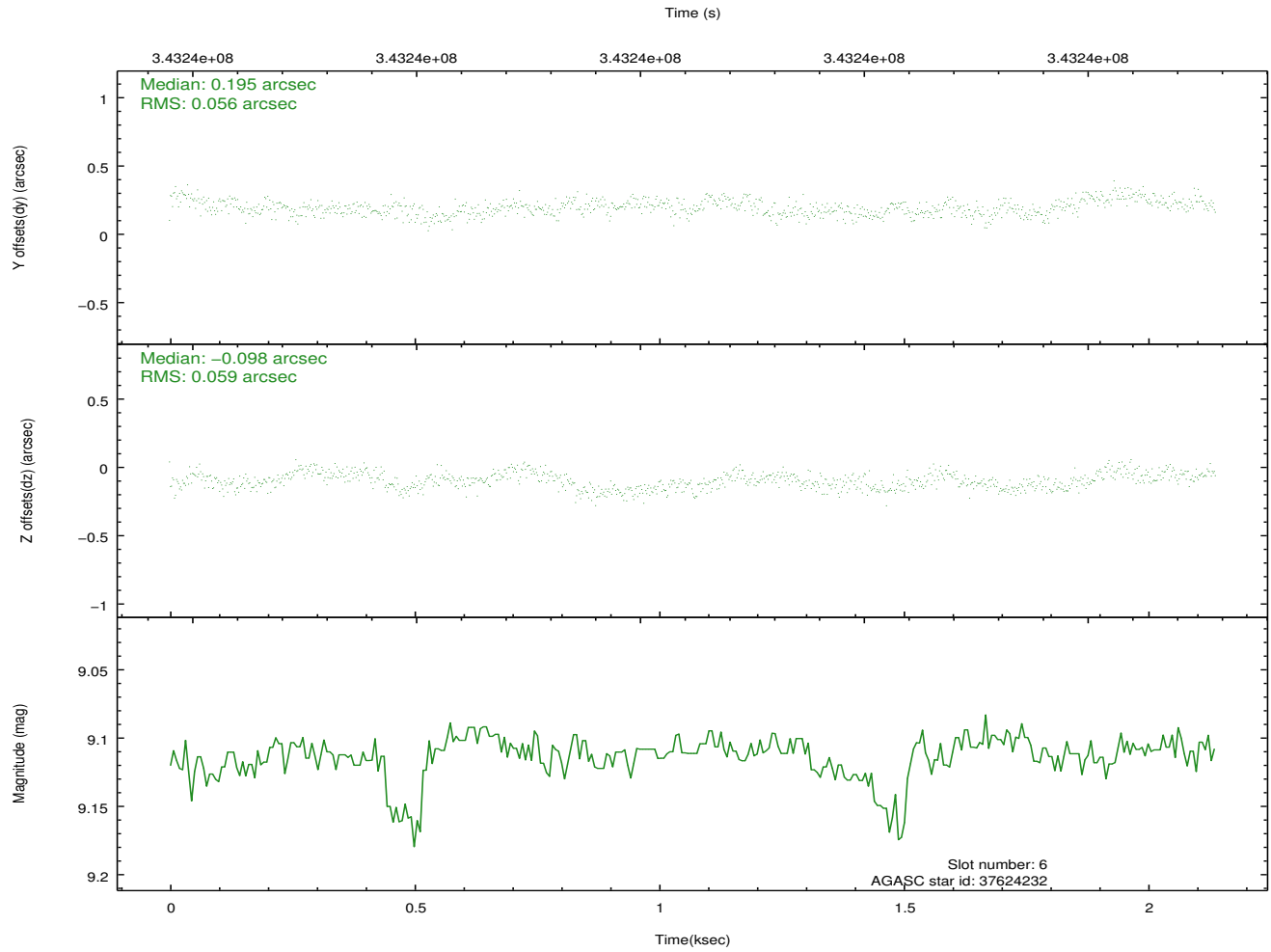
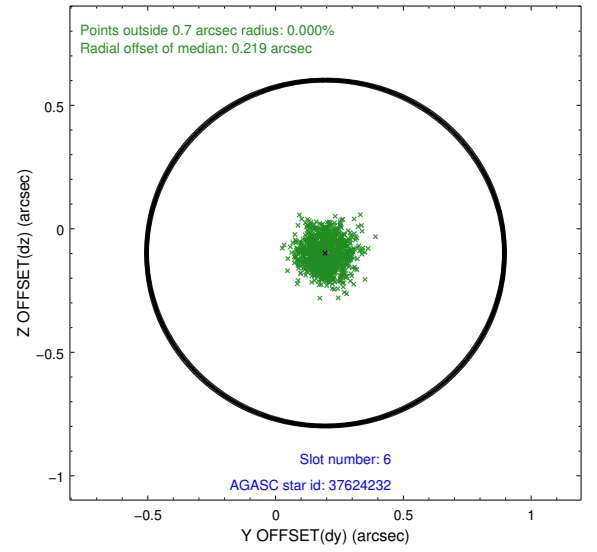
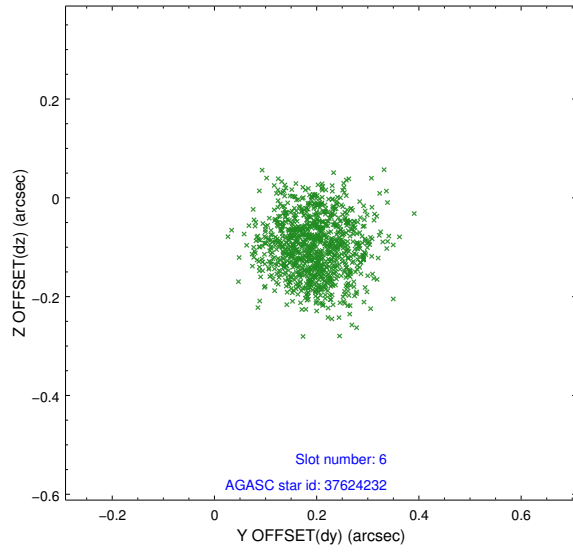
2.4.2 Slot 4



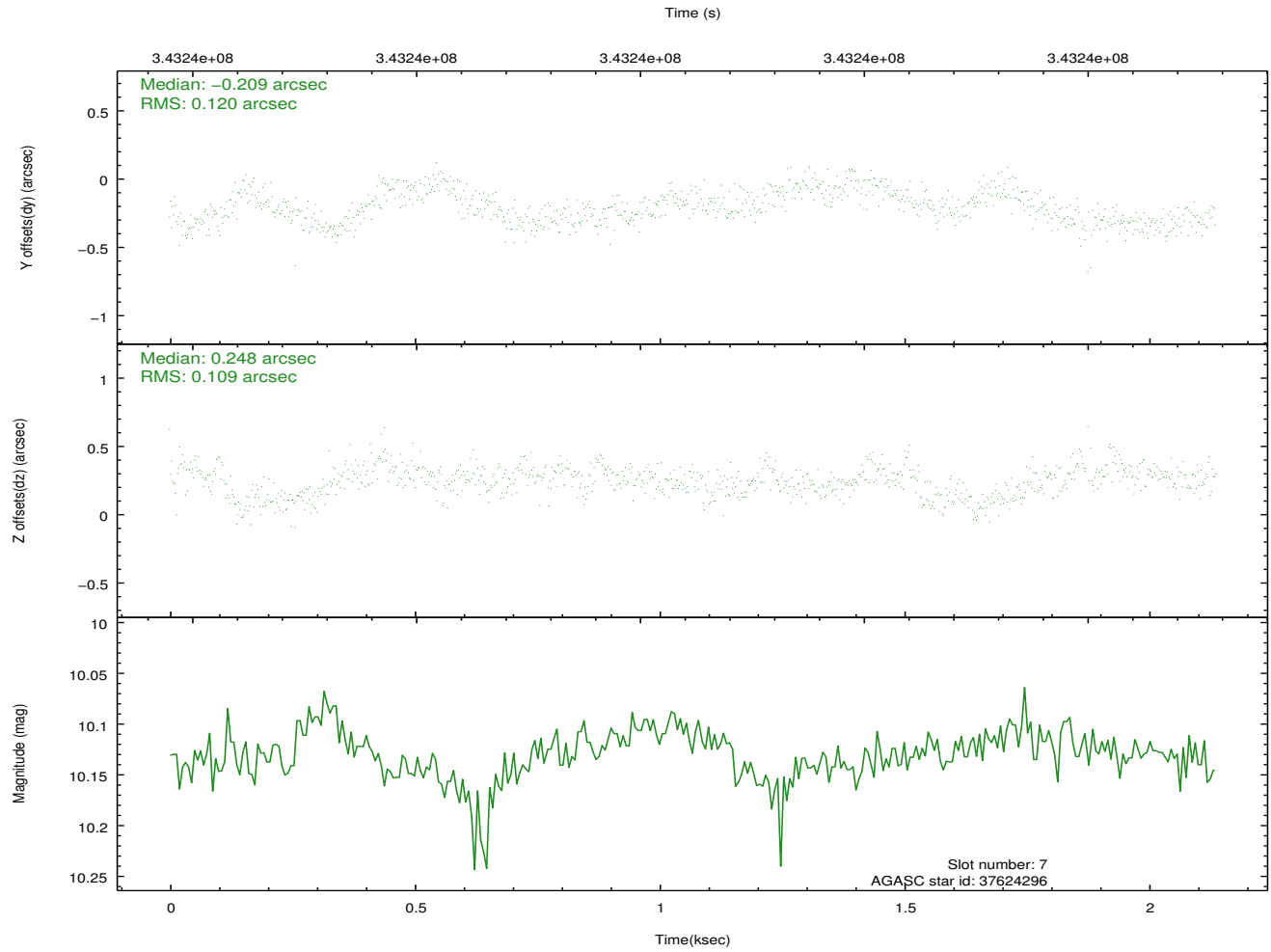
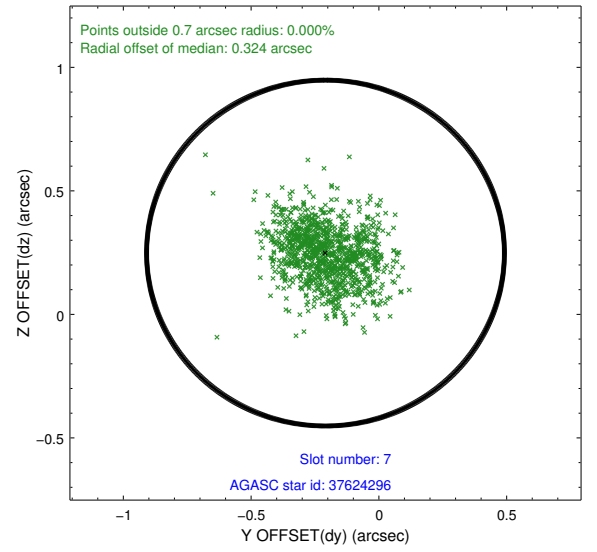
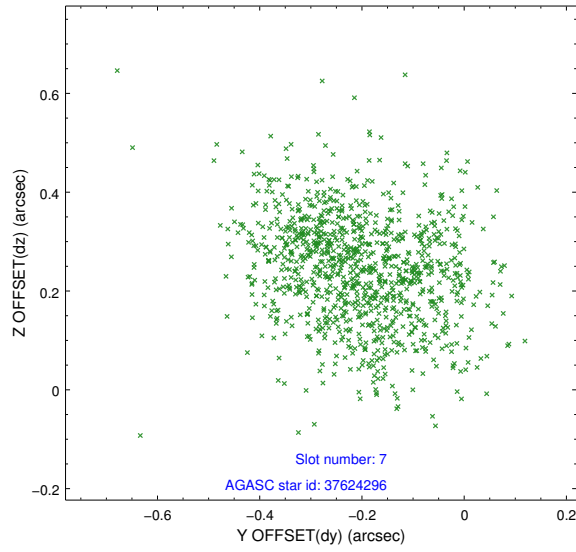
2.4.3 Slot 5



2.4.4 Slot 6

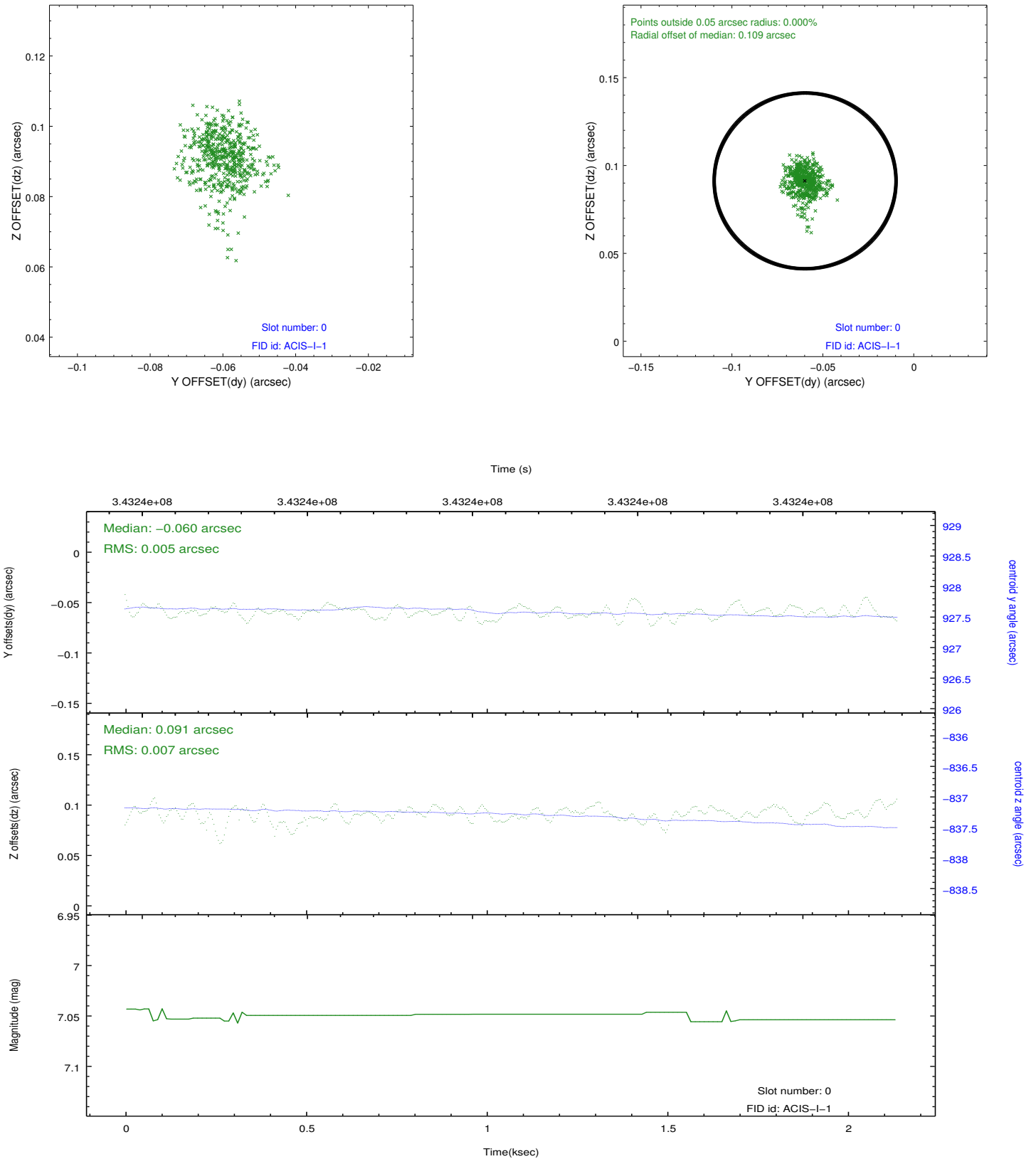


2.4.5 Slot 7

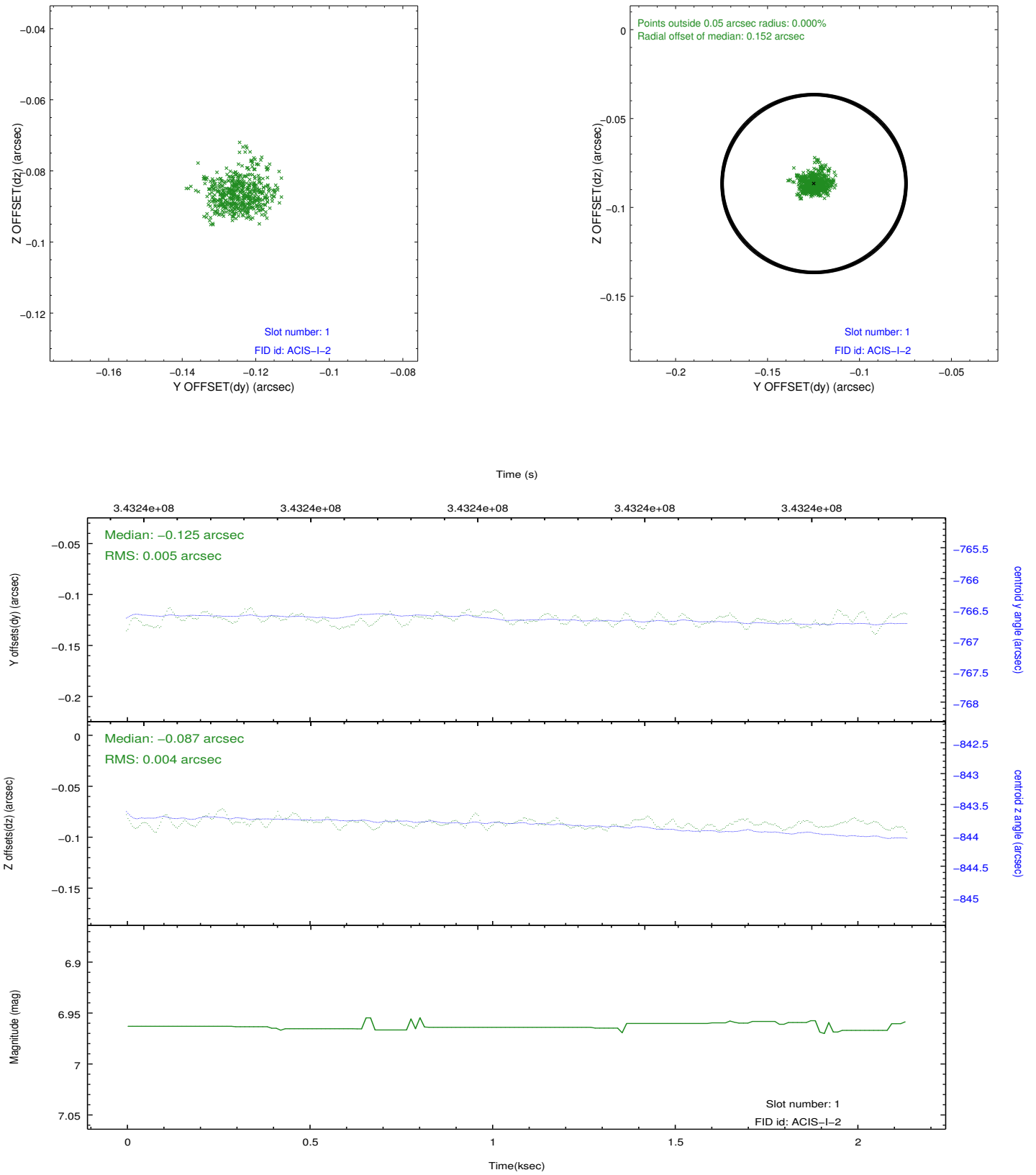


2.5 FID Slots

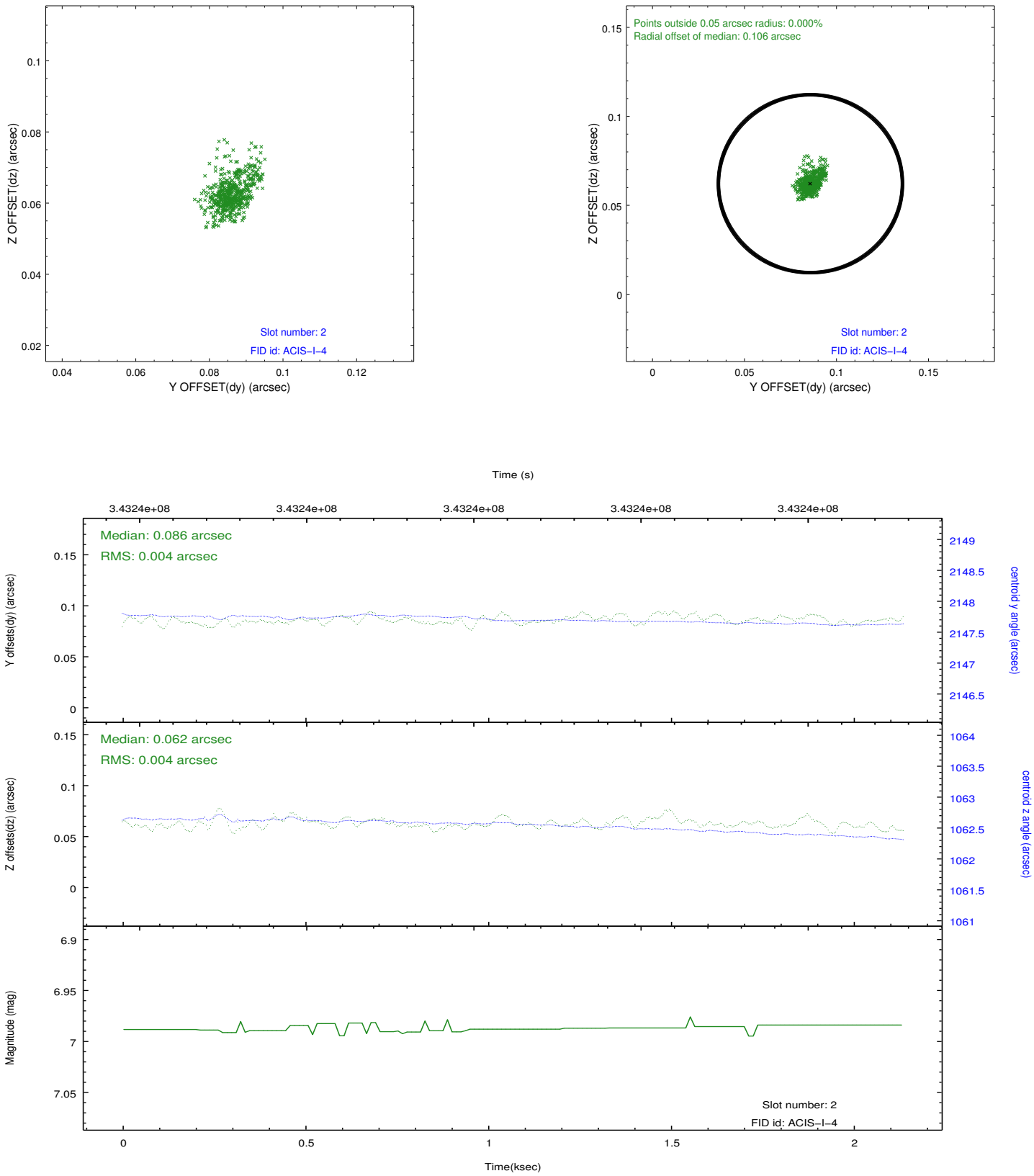
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.12970001

A.2 Comments