

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12893 - L2 Version 2
Chandra X-Ray Center

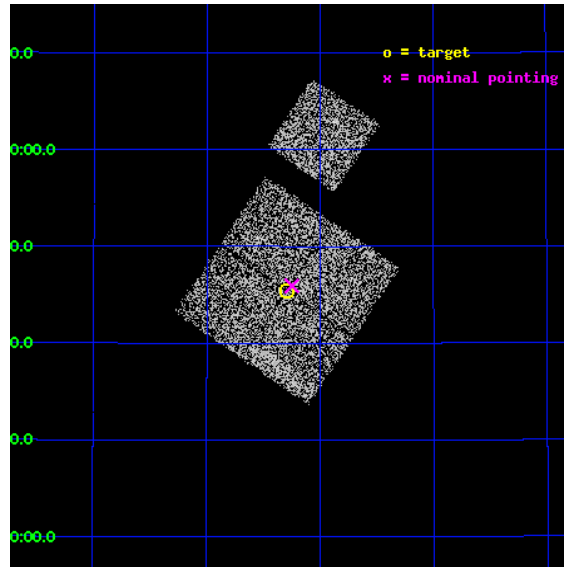
L2 Processing Date : Feb 27 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

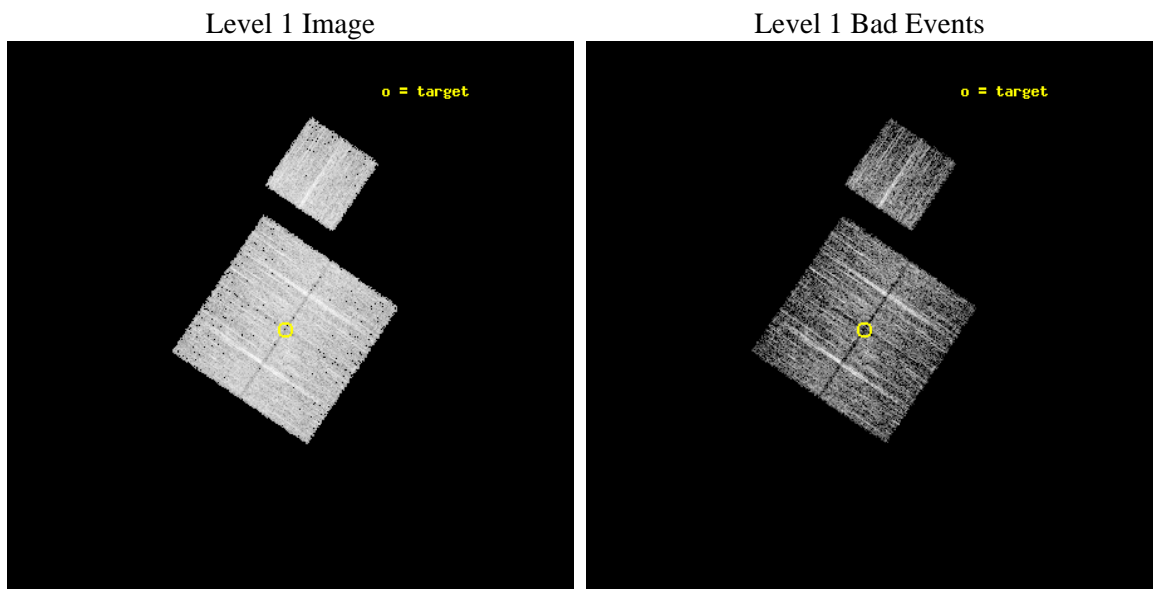
seq_num	801030	Sequence number
obs_id	12893	Observation id
title	The Outer Limits of Clusters with Chandra and Suzaku	Proposal titl
observer	Dr. Eric Miller	Principal investigator
object	A1914_Field3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.82302	Observer's specified target RA [deg]
dec_targ	37.757165	Observer's specified target Dec [deg]
ra_nom	216.81226595037	Nominal RA [deg]
dec_nom	37.765495007386	Nominal Dec [deg]
roll_nom	34.07905673742	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5055.7574013472	Sum of GTIs [s]
livetime	4989.7002089041	Livetime [s]
ontime0	5055.7163613439	Sum of GTIs [s]
ontime1	5055.7574013472	Sum of GTIs [s]
ontime2	5055.7984413505	Sum of GTIs [s]
ontime3	5055.8394813538	Sum of GTIs [s]
ontime6	5055.6753213406	Sum of GTIs [s]
l2events	15408	Number of level 2 events



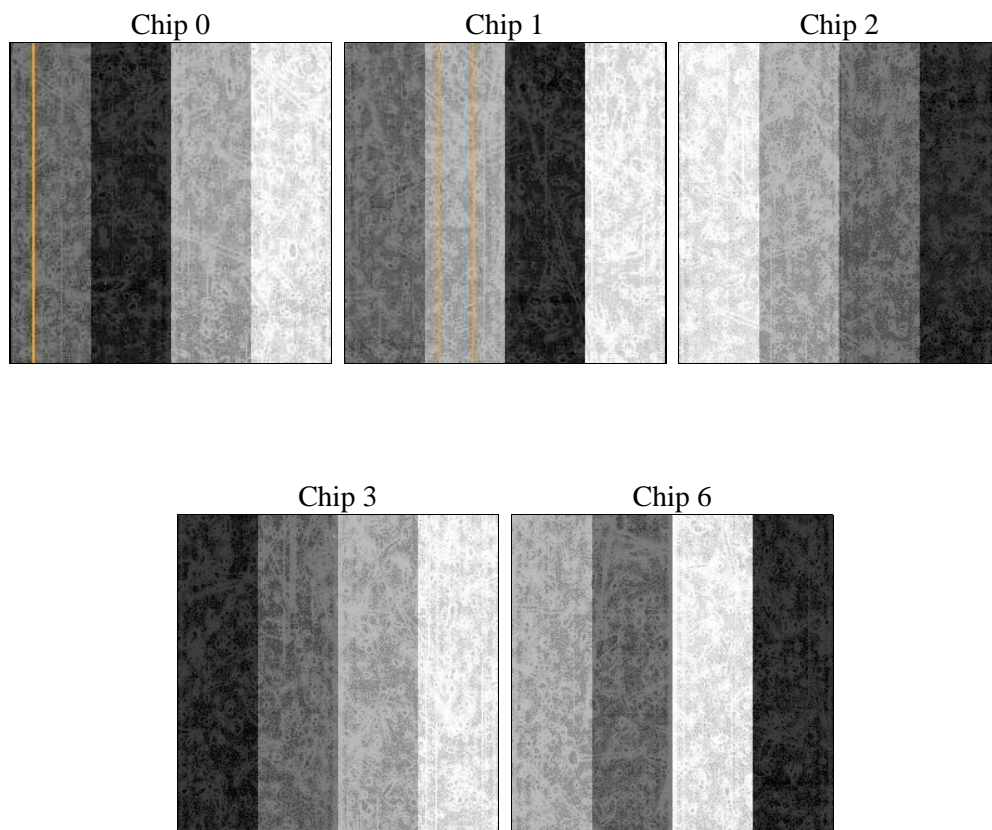
2 OBI

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	Processing system revision	ontime	5055.7574013472	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5055.7163613439	Sum of GTIs [s]
date	2012-02-28T00:53:00	Date and time of file creation	ontime1	5055.7574013472	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5055.7984413505	Sum of GTIs [s]
			ontime3	5055.8394813538	Sum of GTIs [s]
			ontime6	5055.6753213406	Sum of GTIs [s]
			l1events	152685	Number of level 1 events

2.1.4 Events

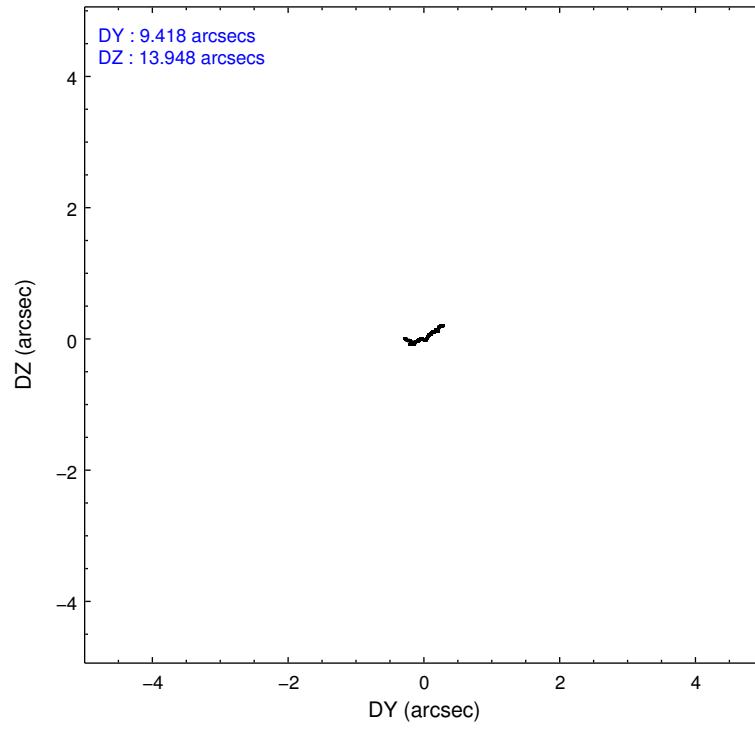
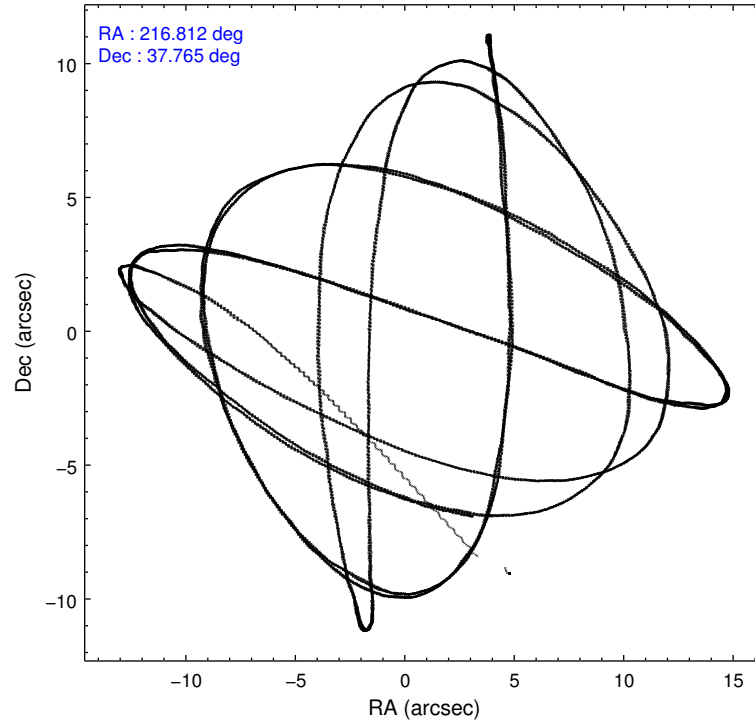
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	29111	29992	32662	29716	31204
rejected events	25545	25981	29012	26278	27569
rejected %	87%	86%	88%	88%	88%

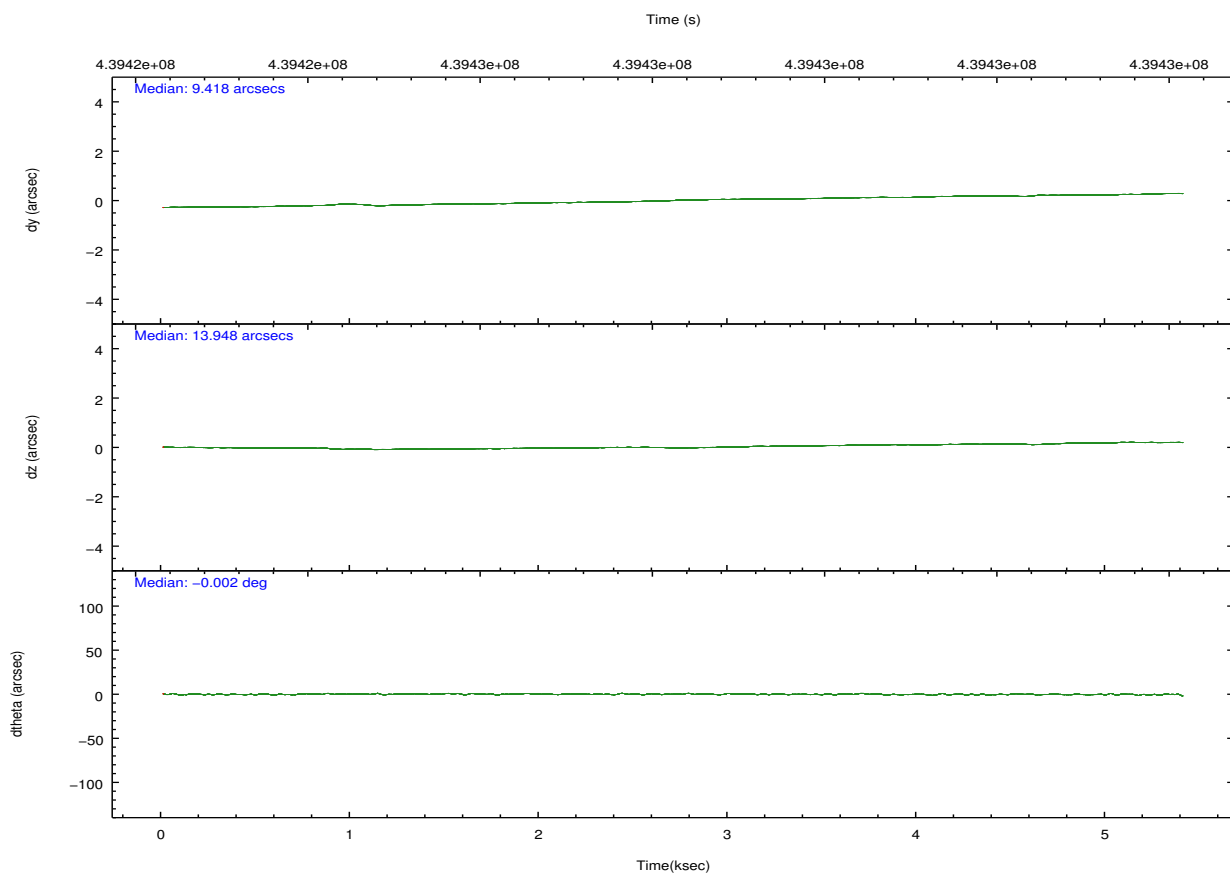
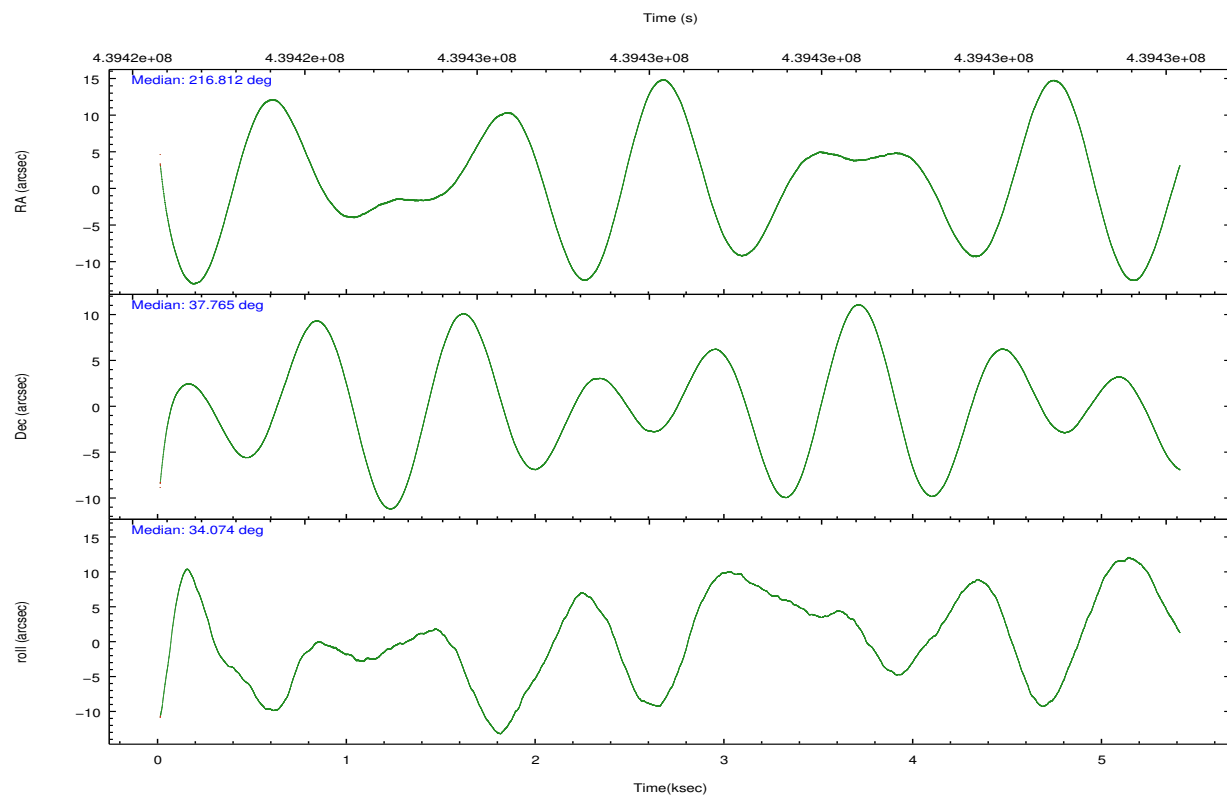
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1211	1415	1279	1225	1276
	4%	4%	3%	4%	4%
grade 1 events	11	23	17	20	17
	0%	0%	0%	0%	0%
grade 2 events	902	952	944	773	808
	3%	3%	2%	2%	2%
grade 3 events	384	401	342	394	389
	1%	1%	1%	1%	1%
grade 4 events	331	413	358	366	375
	1%	1%	1%	1%	1%
grade 5 events	1374	1512	1355	1594	1497
	4%	5%	4%	5%	4%
grade 6 events	740	833	730	683	789
	2%	2%	2%	2%	2%
grade 7 events	24158	24443	27637	24661	26053
	82%	81%	84%	82%	83%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	216.797368	216.8122659503717	CCD I2 on	Y	Y
[deg] Pointing Dec	37.740741	37.76549500738561	CCD I3 on	Y	Y
[deg] Pointing Roll	33.879518	34.07905673742044	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	439424832.184000	439423788.85983	CCD S5 on	N	N
Observation start date	2011-12-04T22:26:06	2011-12-04T22:09:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	439429832.184000	439430434.96018	On-chip summing requested	N	N
Observation end date	2011-12-04T23:49:26	2011-12-05T00:00:34	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



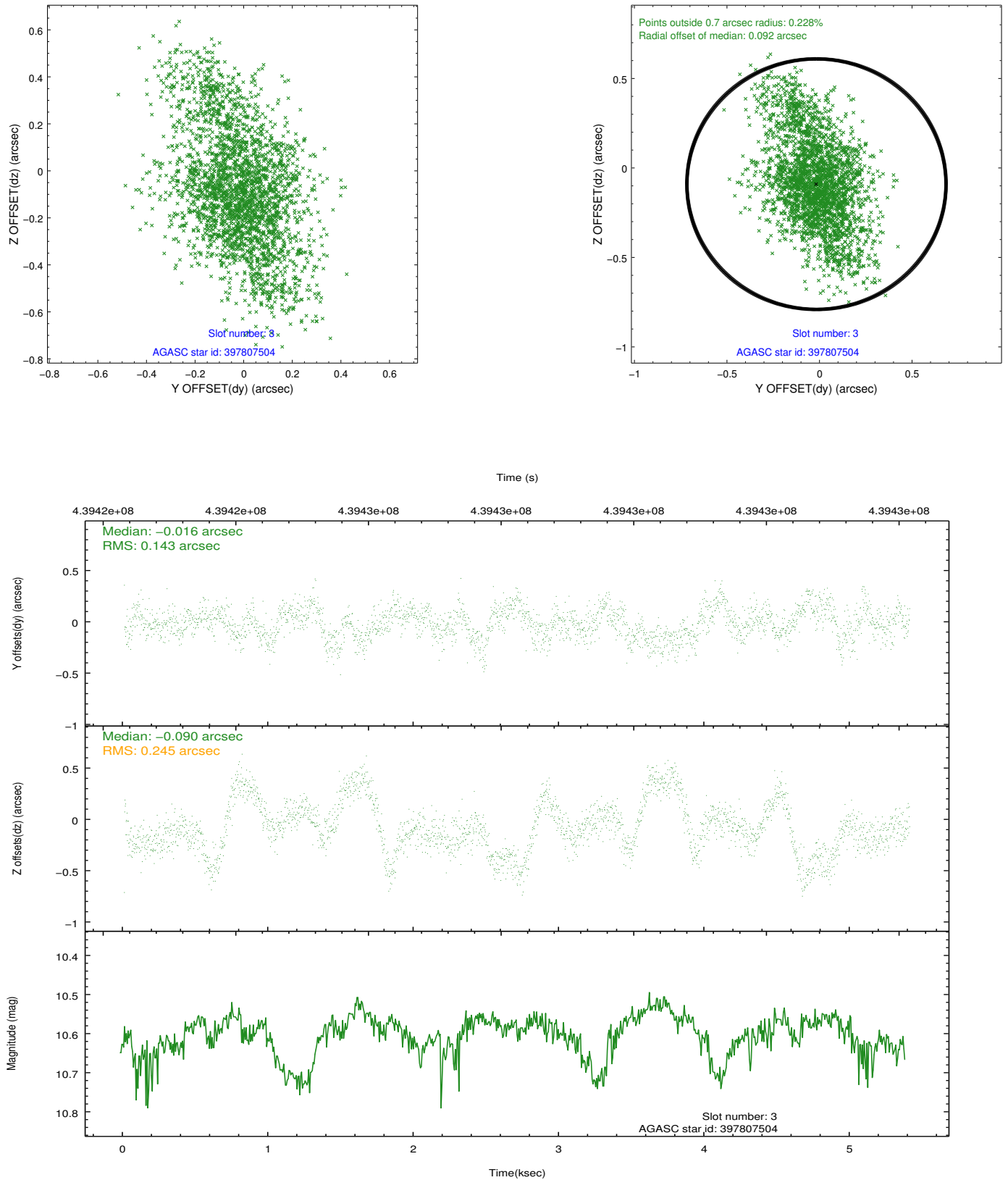


Slot Statistics

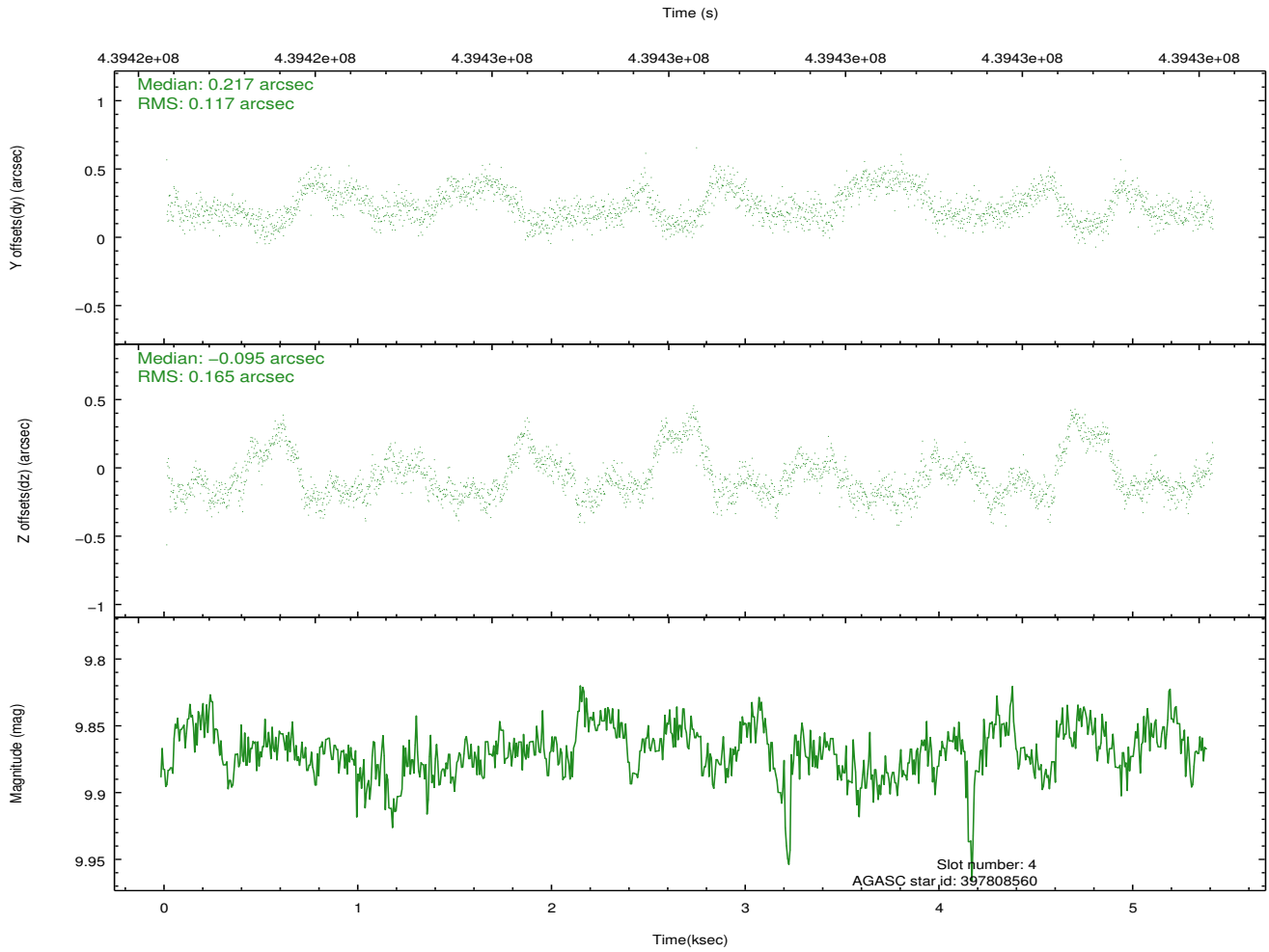
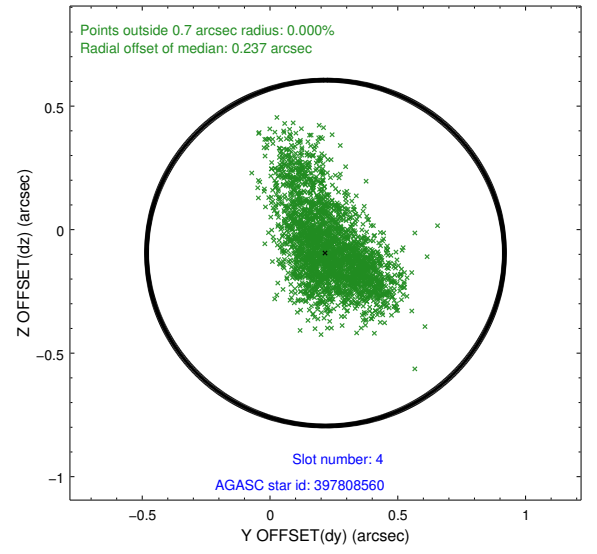
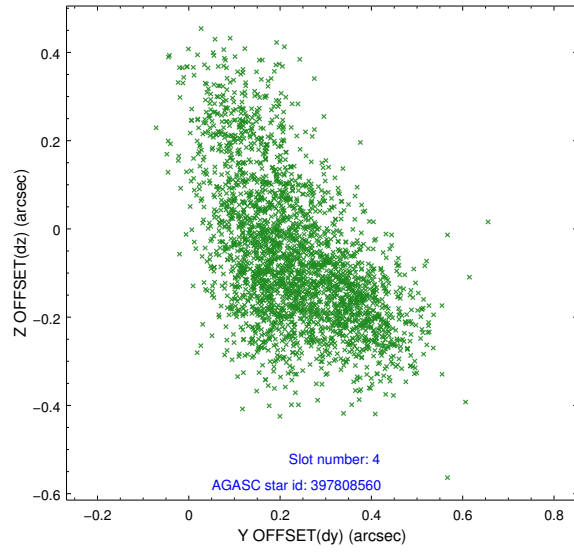
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	1316	0.073	-0.009	0.009	0.019	0.000000	0.000000	930.28	-837.56
1	FID	ACIS-I-5	7.02	1318	-0.221	0.079	0.009	0.019	0.000000	0.000000	-1817.52	1059.43
2	FID	ACIS-I-6	7.03	1318	0.057	0.000	0.007	0.012	0.000000	0.000000	394.57	1705.14
3	GUIDE	397807504	10.60	2634	-0.016	-0.090	0.292	0.525	216.023936	37.870775	-1558.42	1621.00
4	GUIDE	397808560	9.87	2627	0.217	-0.095	0.203	0.378	216.564463	37.977903	-72.59	1078.35
5	GUIDE	397940208	9.68	2633	-0.206	-0.052	0.177	0.254	217.129334	38.261499	1825.58	1035.20
6	GUIDE	397941088	9.74	2633	-0.007	-0.029	0.134	0.222	217.667965	37.769126	2121.87	-1286.19
7	GUIDE	397943760	7.94	2634	0.002	0.237	0.113	0.201	217.039857	37.556695	207.43	-935.41

2.4 Star Slots

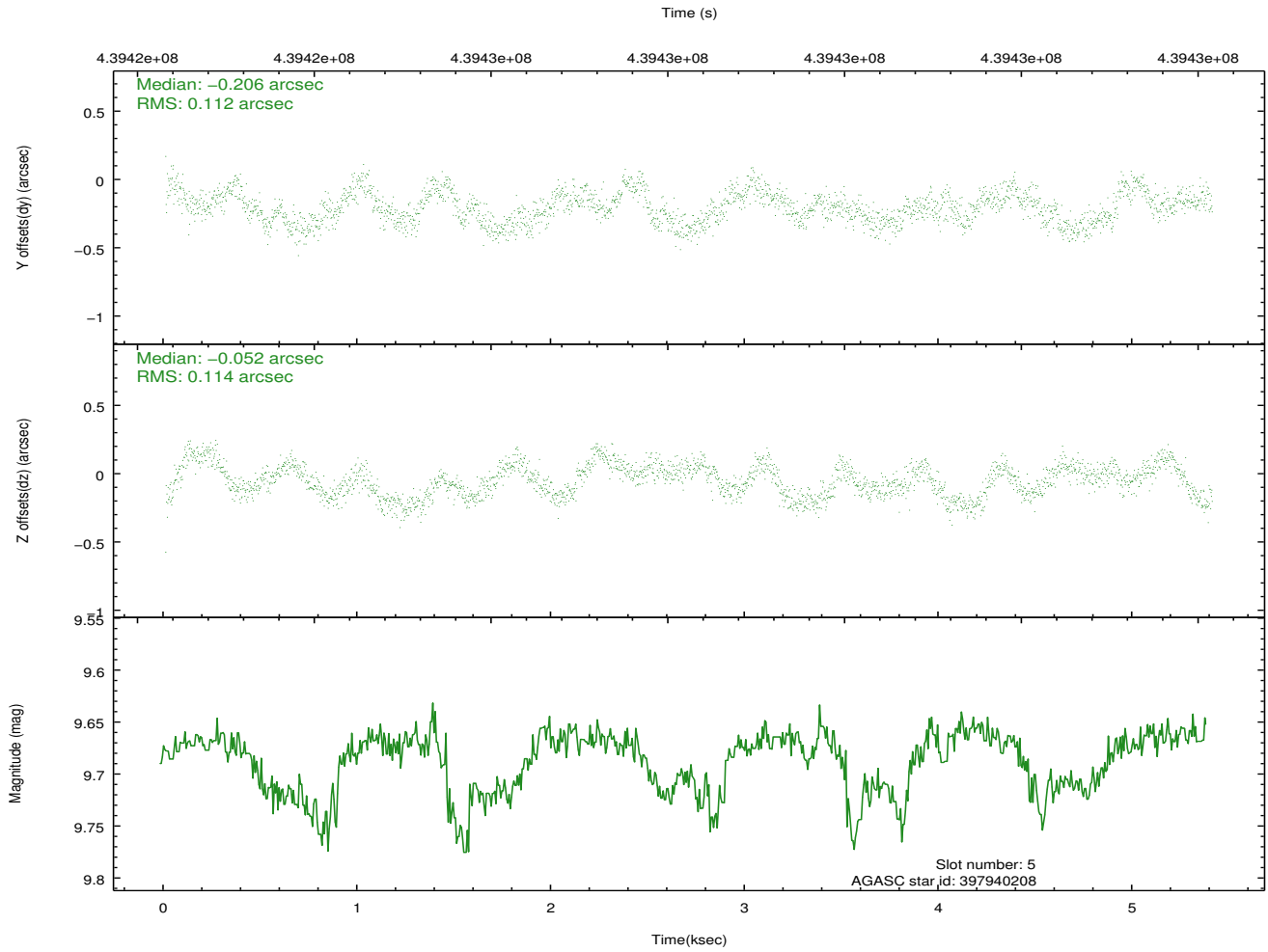
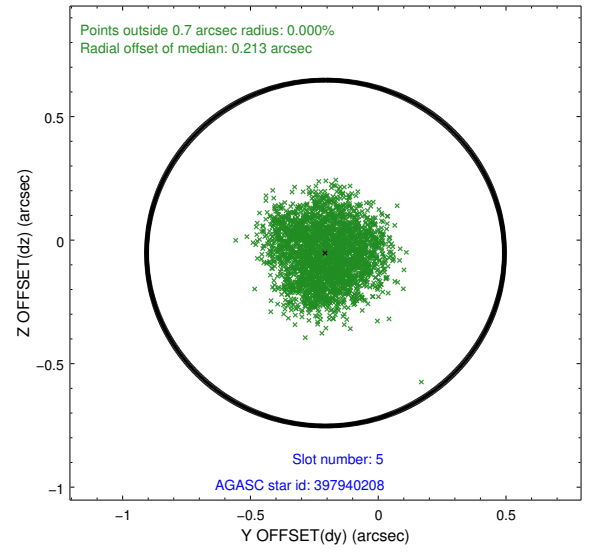
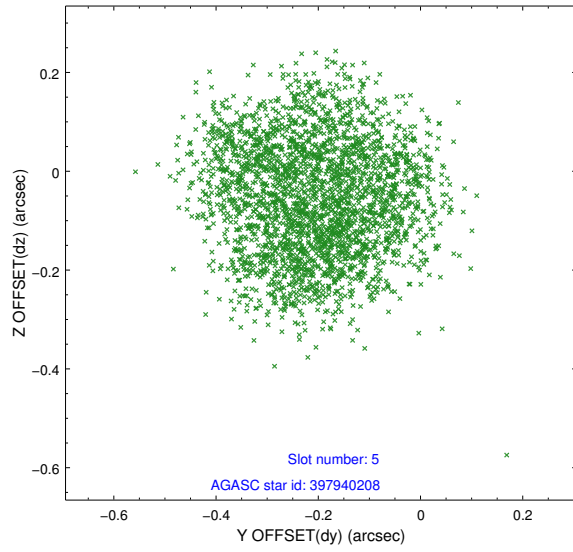
2.4.1 Slot 3



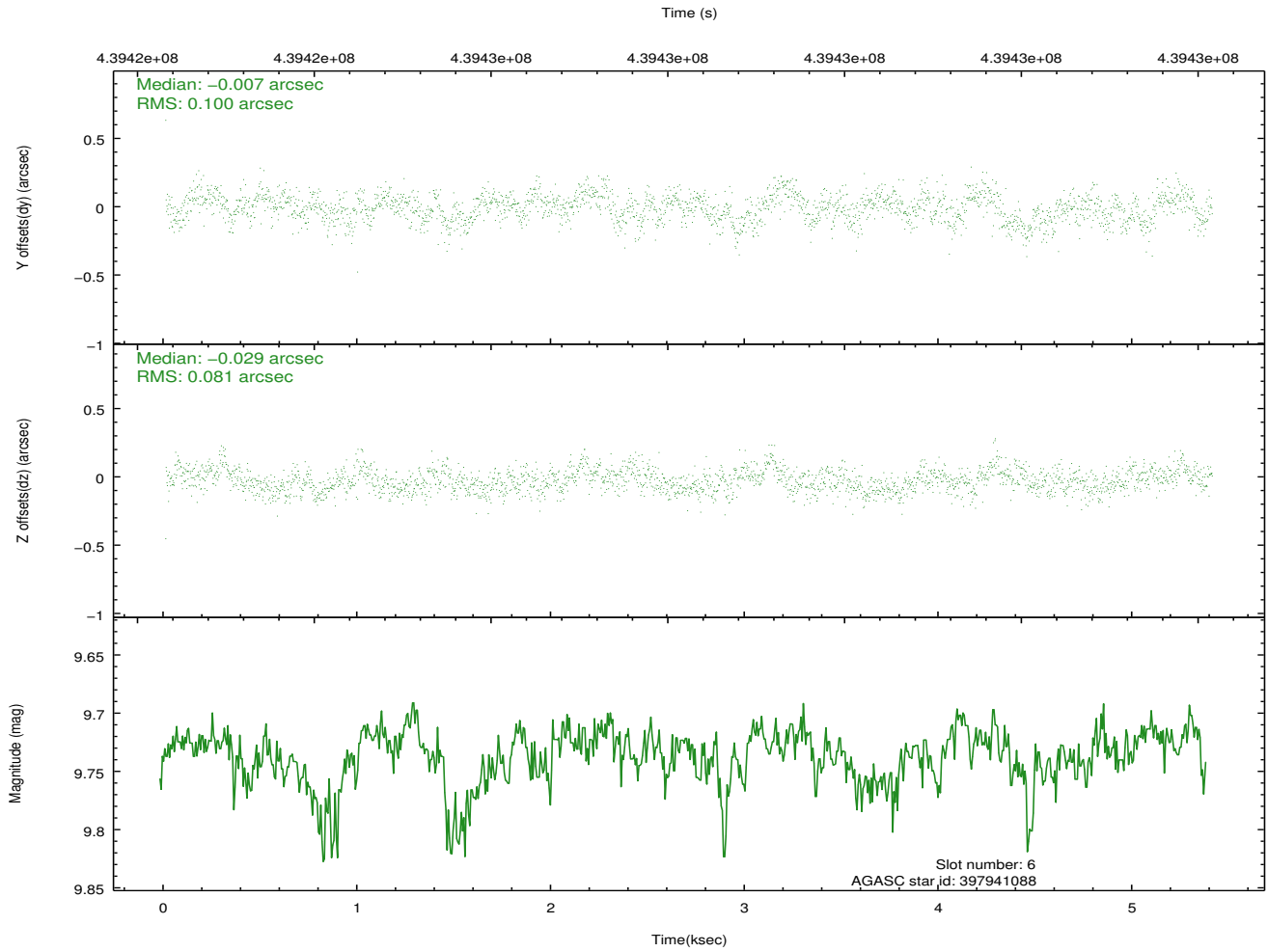
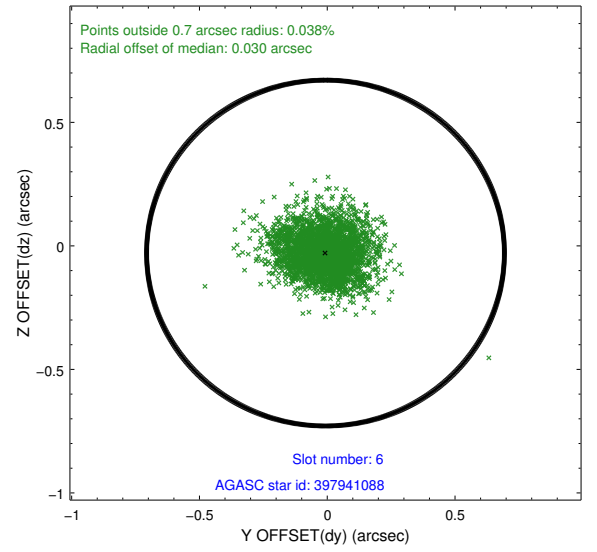
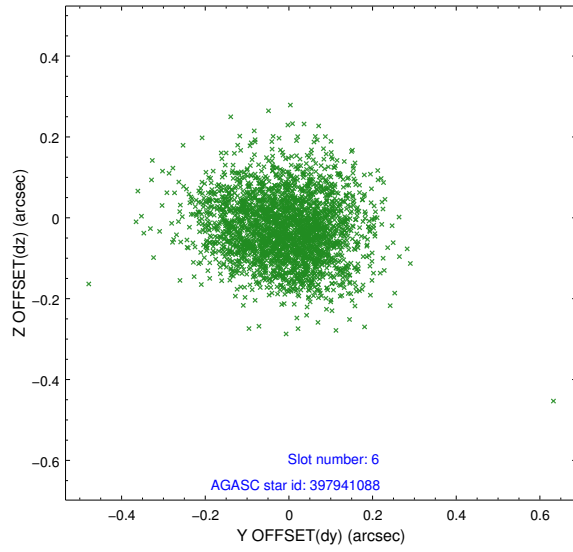
2.4.2 Slot 4



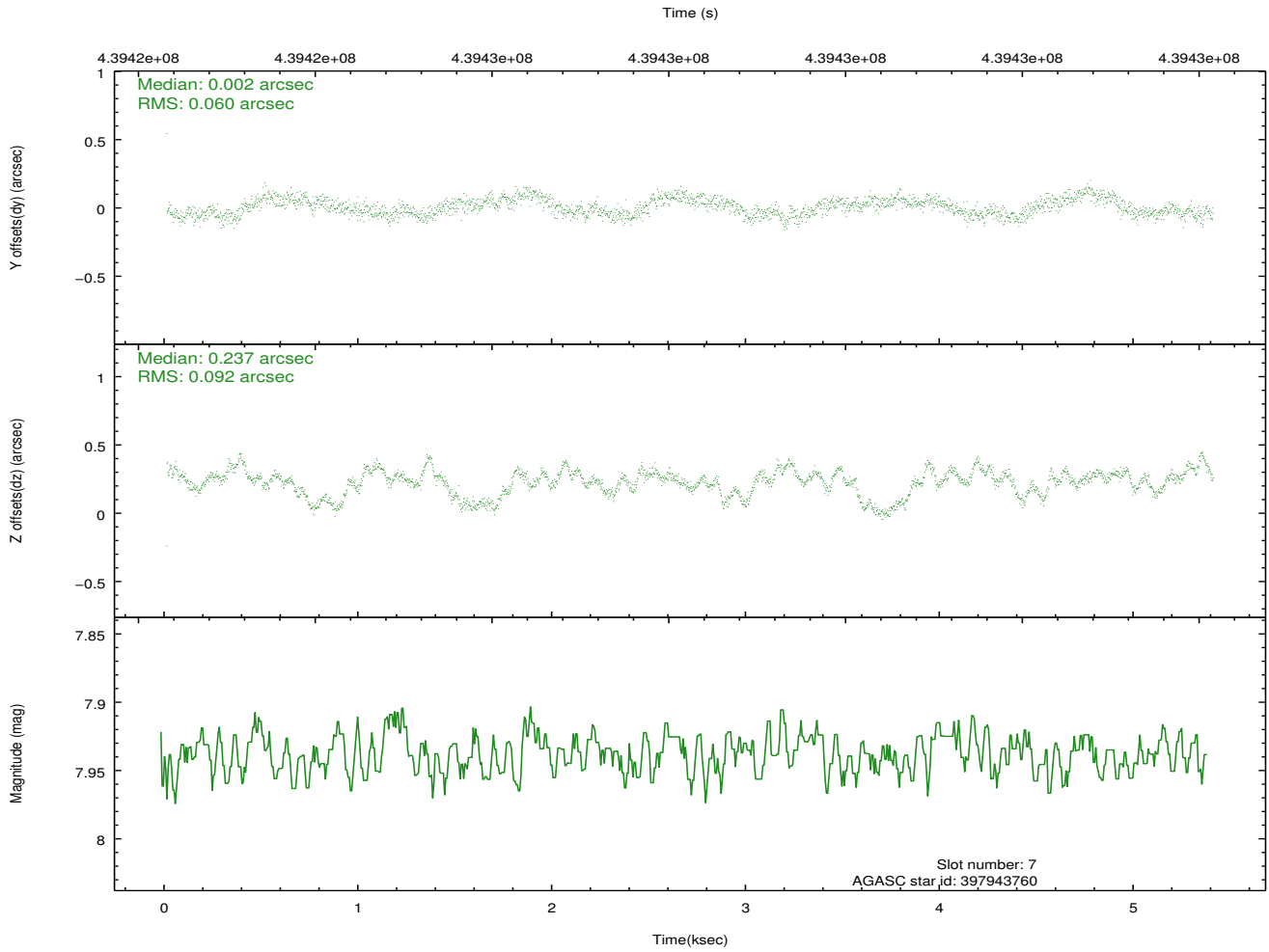
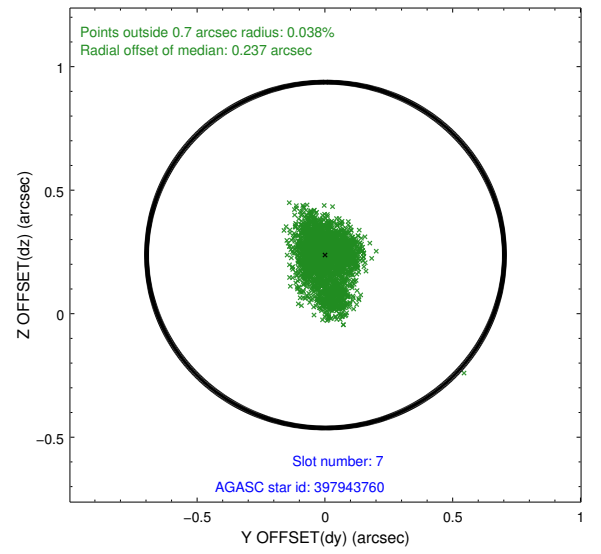
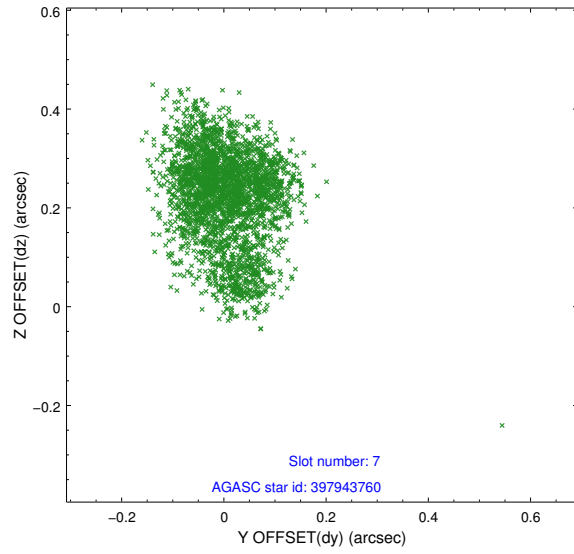
2.4.3 Slot 5



2.4.4 Slot 6

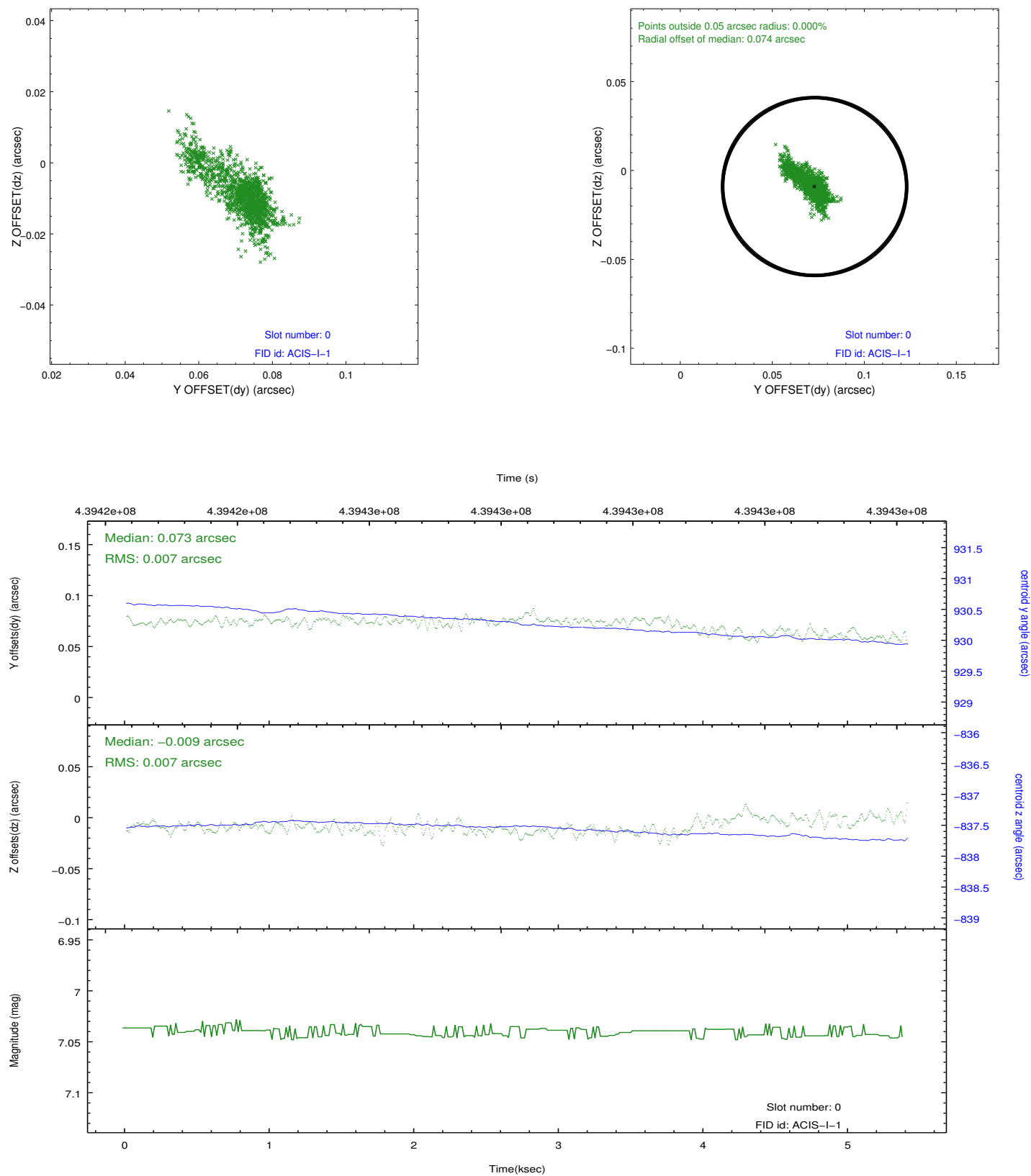


2.4.5 Slot 7

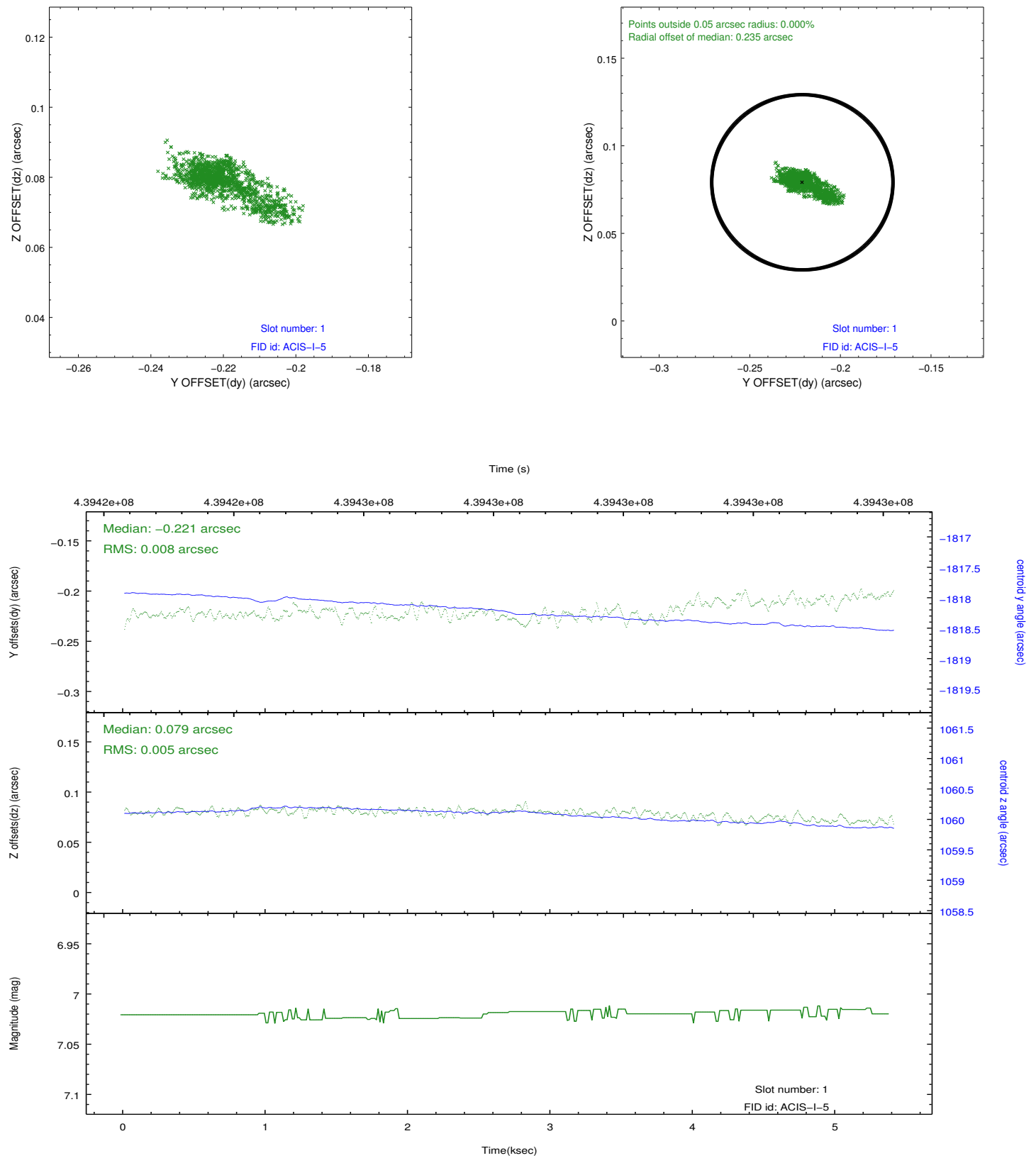


2.5 FID Slots

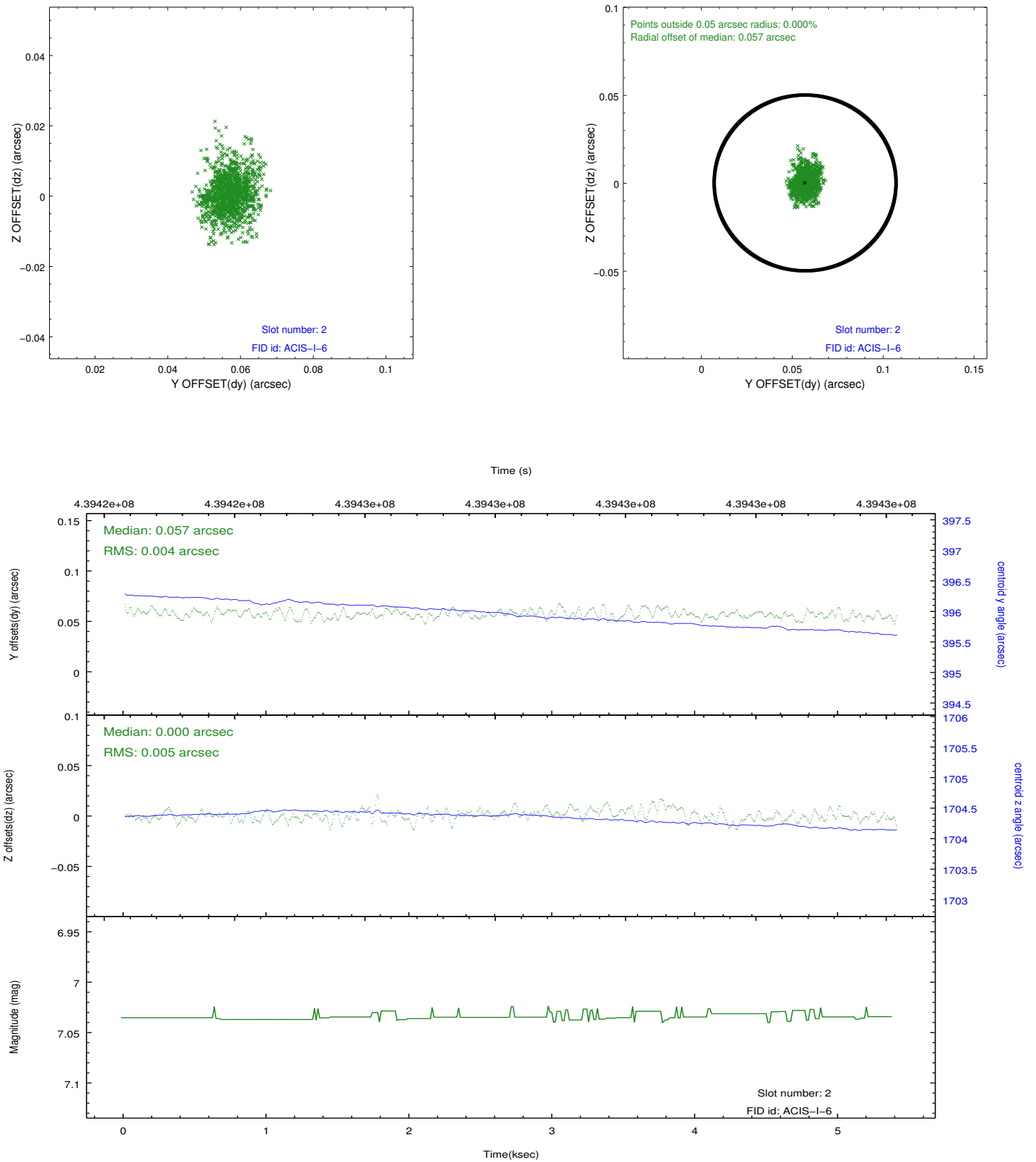
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.055757406652

A.2 Comments