

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12252 - L2 Version 2
Chandra X-Ray Center

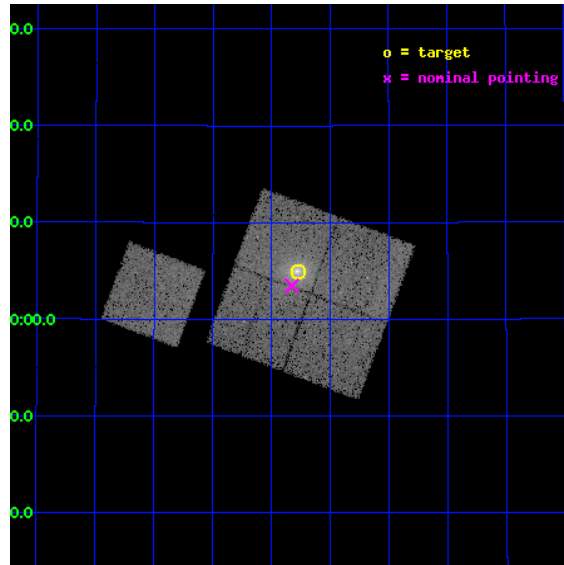
L2 Processing Date : Jul 5 2012

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1 Front

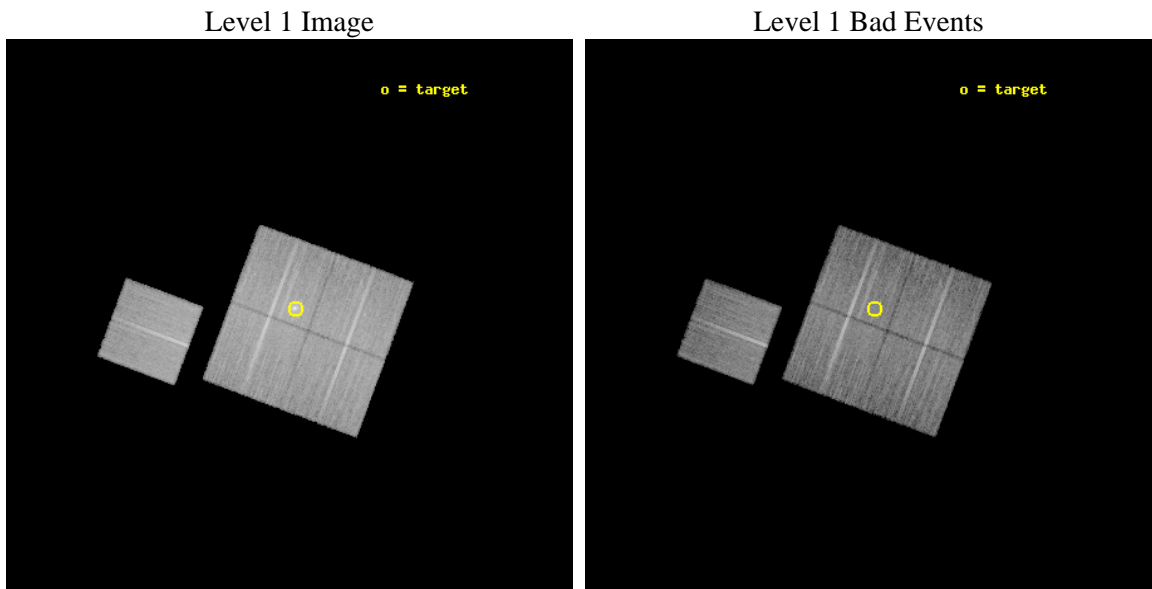
seq_num	800972	Sequence number
obs_id	12252	Observation id
title	Extending X-ray and Sunyaev-Zel'dovich effect calibrations to low mass galaxy clusters	Proposal title
observer	Dr Ben Maughan	Principal investigator
object	RXJ1750.2+3505	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.567083	Observer's specified target RA [deg]
dec_targ	35.083	Observer's specified target Dec [deg]
ra_nom	267.58159645476	Nominal RA [deg]
dec_nom	35.057815495432	Nominal Dec [deg]
roll_nom	290.46427415626	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20047.659143806	Sum of GTIs [s]
livetime	19785.72171822	Livetime [s]
ontime0	20047.659153879	Sum of GTIs [s]
ontime1	20041.377273202	Sum of GTIs [s]
ontime2	20050.800154209	Sum of GTIs [s]
ontime3	20047.659143806	Sum of GTIs [s]
ontime6	20050.800154209	Sum of GTIs [s]
l2events	81166	Number of level 2 events



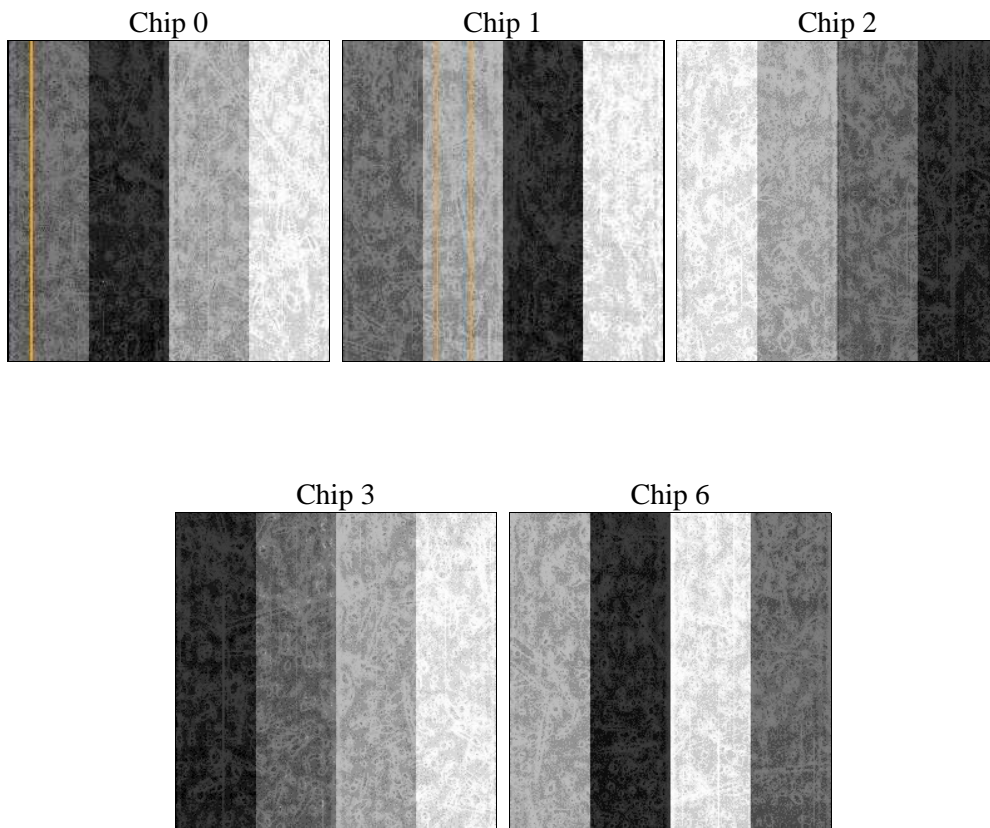
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20047.659143806	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	20047.659153879	Sum of GTIs [s]
date	2012-07-05T05:52:37	Date and time of file creation	ontime1	20041.377273202	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20050.800154209	Sum of GTIs [s]
			ontime3	20047.659143806	Sum of GTIs [s]
			ontime6	20050.800154209	Sum of GTIs [s]
			l1events	728235	Number of level 1 events

2.1.4 Events

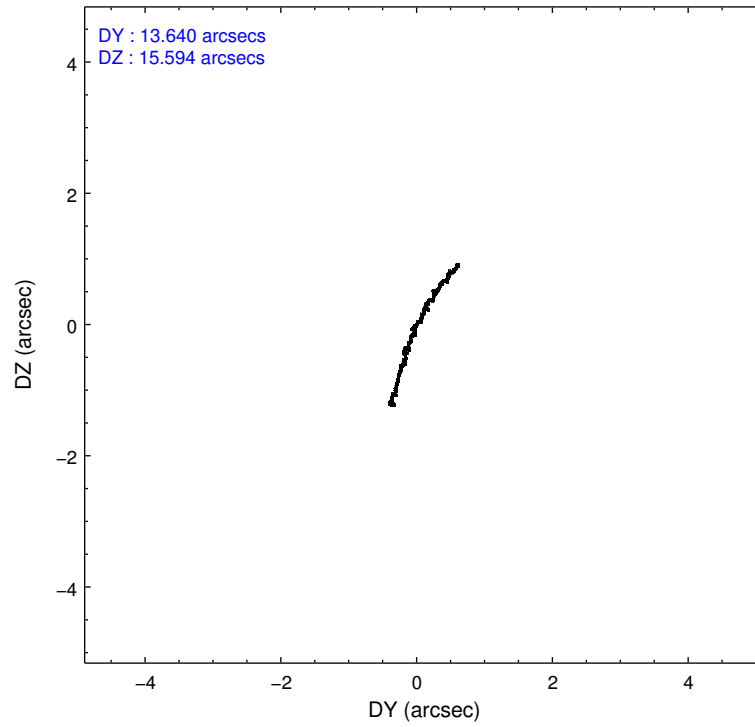
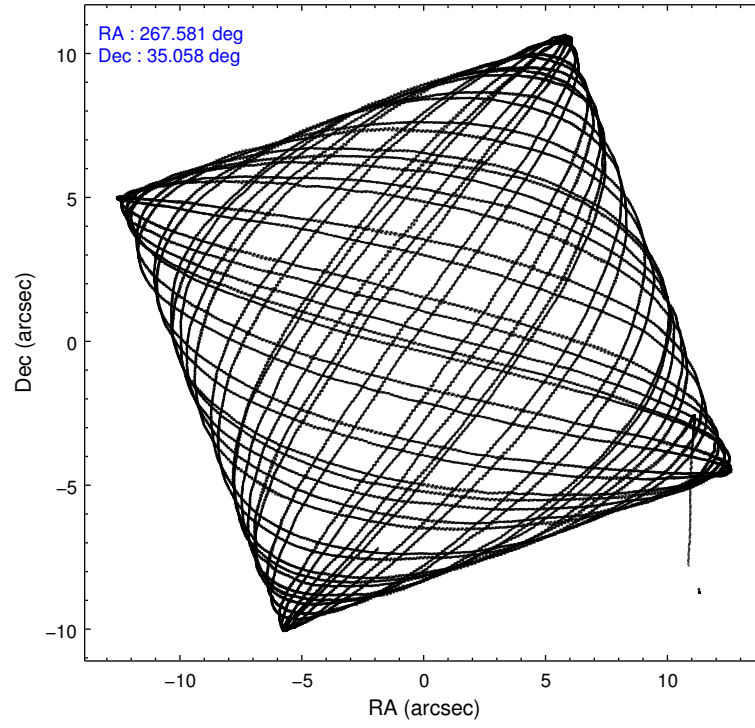
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	136336	142020	148650	153514	147715
rejected events	120172	122950	132028	127016	131120
rejected %	88%	86%	88%	82%	88%

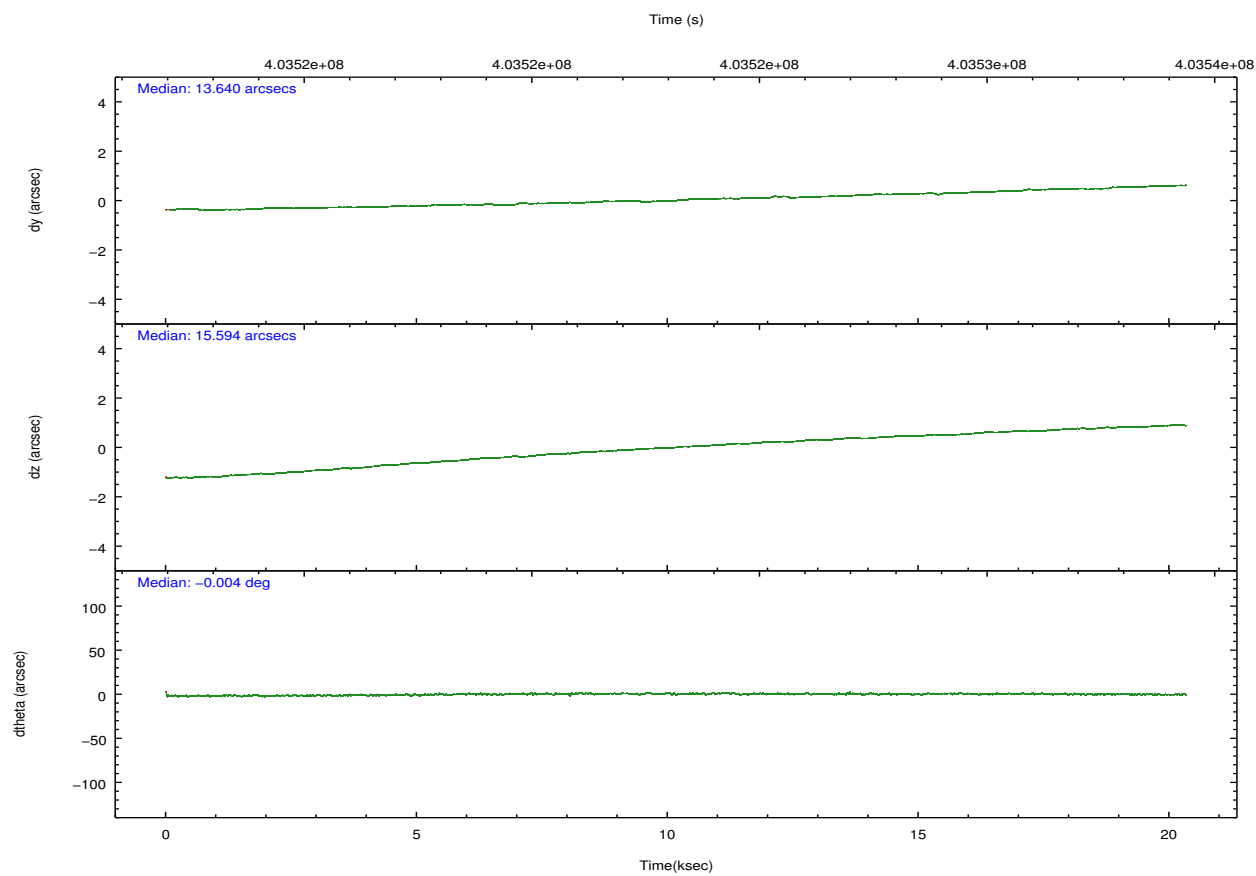
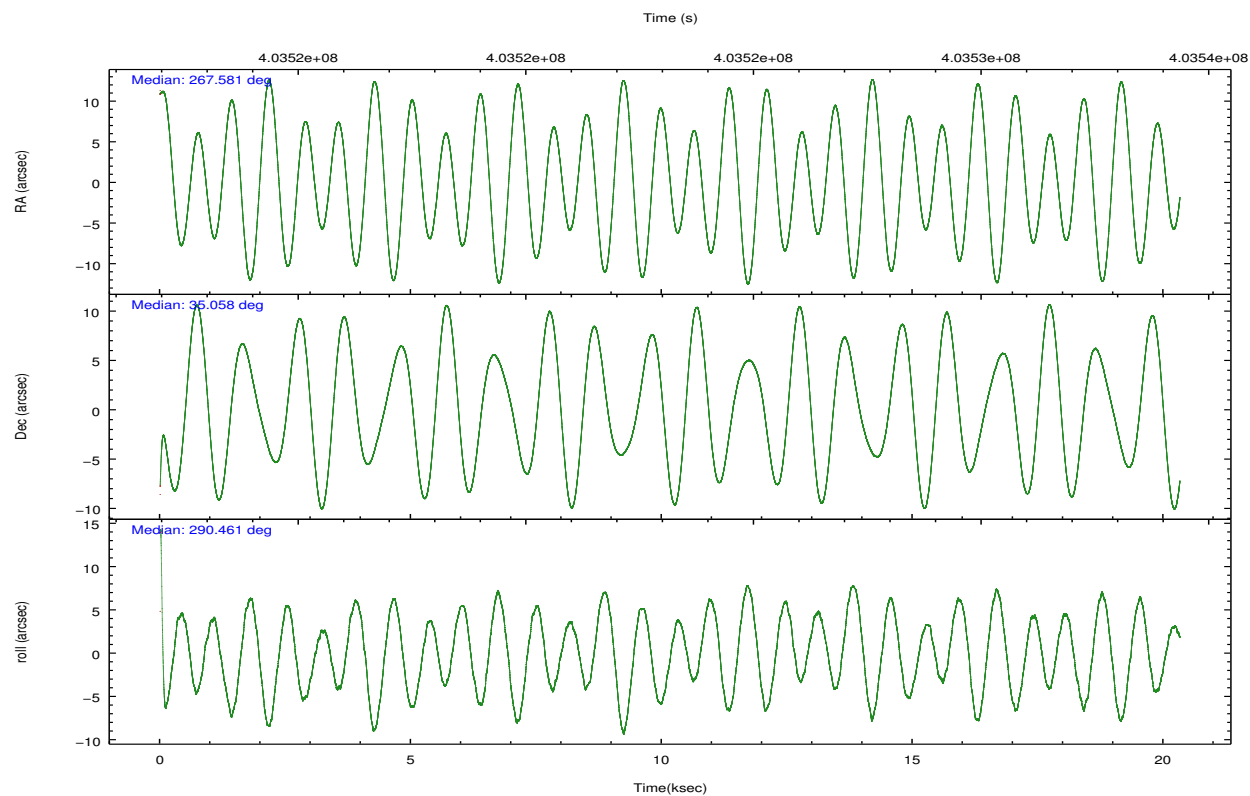
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5587	6933	6369	14678	5692
	4%	4%	4%	9%	3%
grade 1 events	79	68	93	144	77
	0%	0%	0%	0%	0%
grade 2 events	3972	4443	3963	4576	3693
	2%	3%	2%	2%	2%
grade 3 events	1766	1914	1616	1957	1834
	1%	1%	1%	1%	1%
grade 4 events	1644	1974	1700	1952	1725
	1%	1%	1%	1%	1%
grade 5 events	6028	6406	5957	6780	6541
	4%	4%	4%	4%	4%
grade 6 events	3198	3809	2977	3344	3653
	2%	2%	2%	2%	2%
grade 7 events	114062	116473	125975	120083	124500
	83%	82%	84%	78%	84%

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	267.555592	267.581596454762	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.075258	35.05781549543245	Alternating exposures requested	N	N
[deg] Pointing Roll	290.270517	290.4642741562641	[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	-229.442463	-229.4438428438578			
[mm] SIM translation stage offset	-4.15	-4.148610159071865			
[s] Observation start time (MET)	403513332.184000	403512136.13902			
Observation start date	2010-10-15T07:01:06	2010-10-15T06:42:16			
[s] Observation end time (MET)	403533332.184000	403534654.87768			
Observation end date	2010-10-15T12:34:26	2010-10-15T12:57:34			
Read mode	TIMED	TIMED			

2.3 Aspect



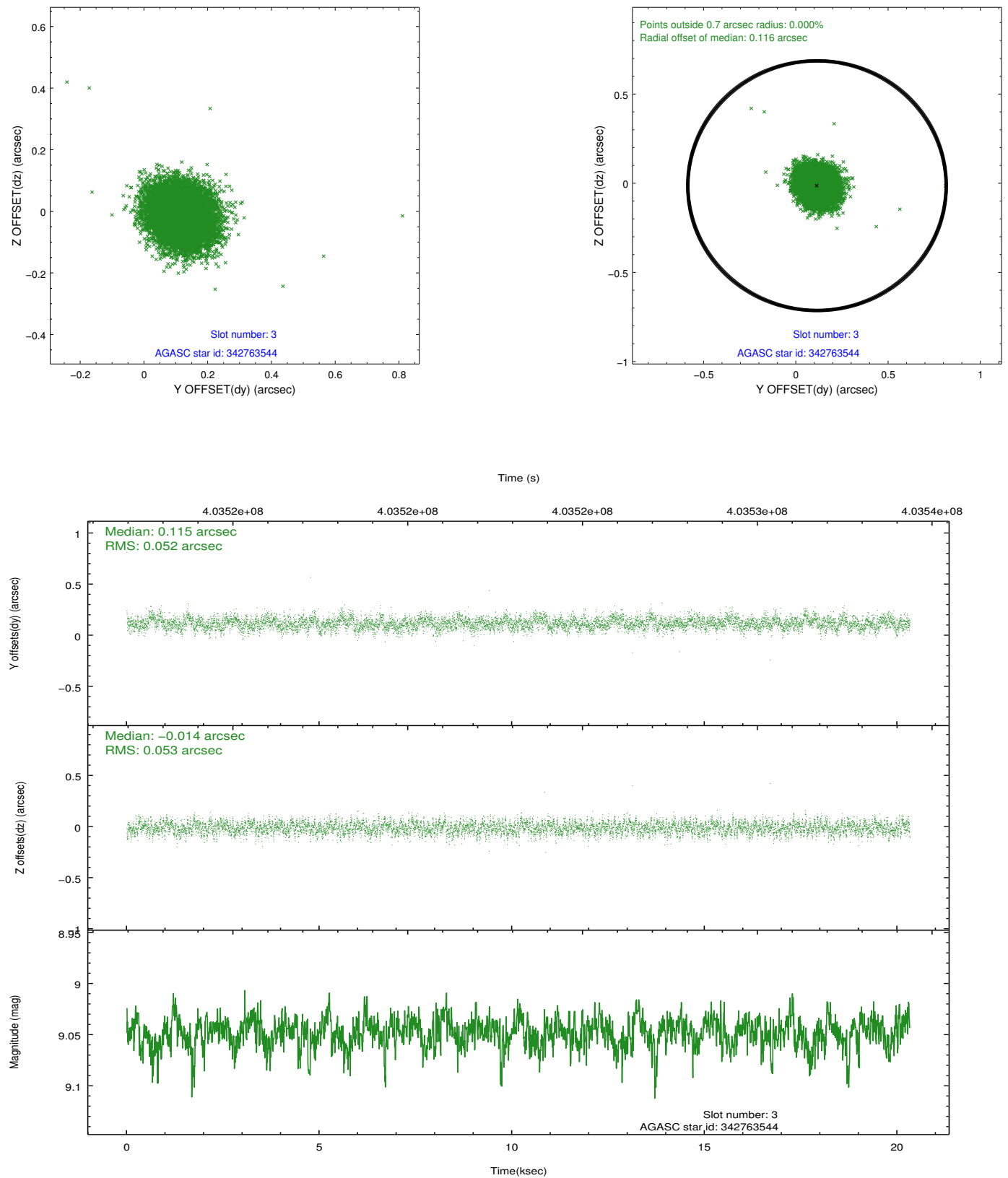


Slot Statistics

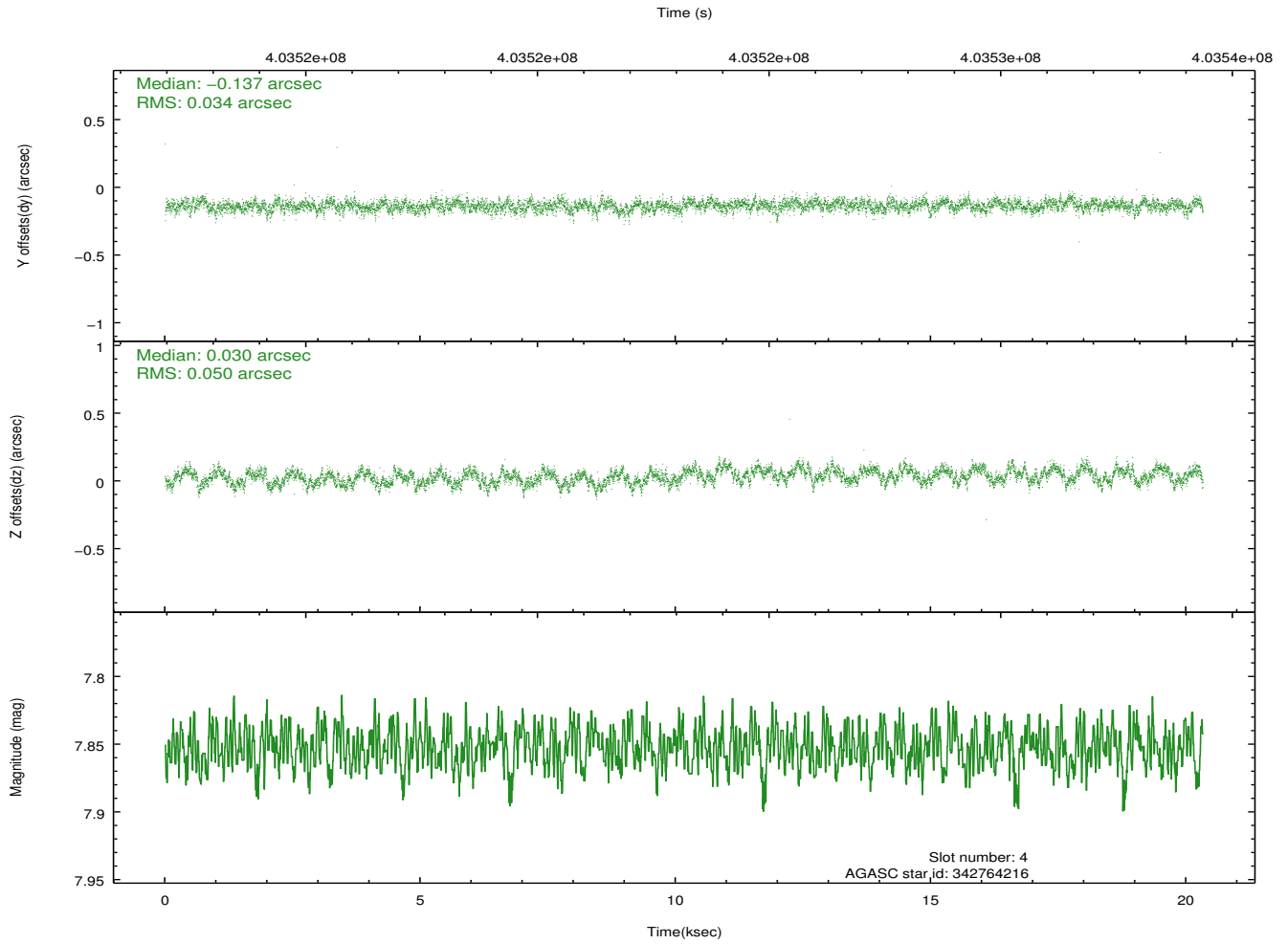
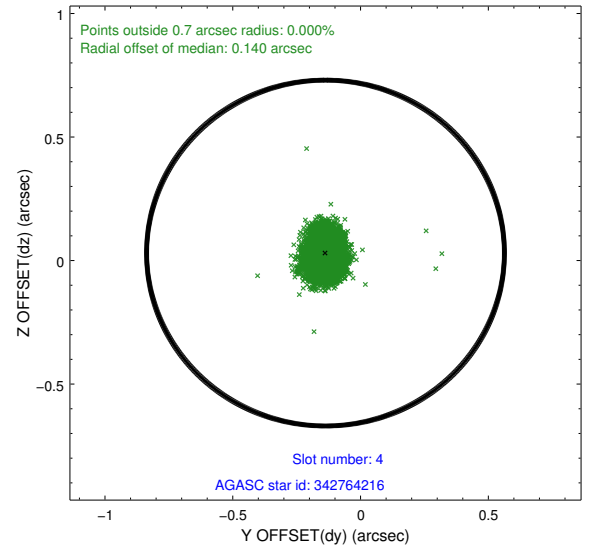
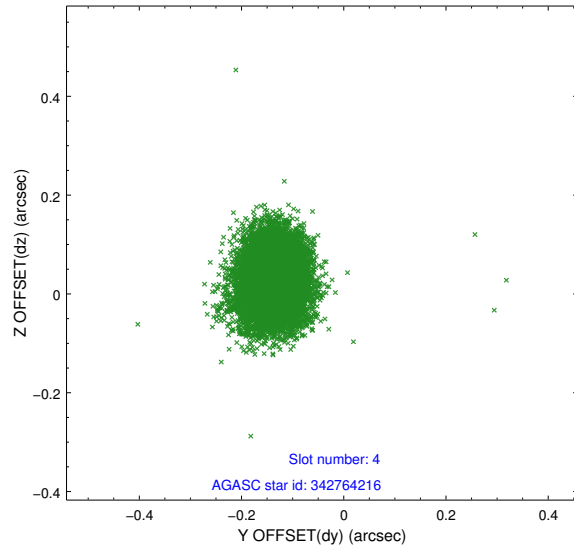
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	4959	0.069	-0.127	0.019	0.061	0.000000	0.000000	925.82	-924.34
1	FID	ACIS-I-4	6.94	4958	0.083	0.078	0.019	0.032	0.000000	0.000000	2145.70	976.10
2	FID	ACIS-I-5	7.02	4959	-0.245	0.120	0.016	0.032	0.000000	0.000000	-1822.31	973.57
3	GUIDE	342763544	9.05	9912	0.115	-0.014	0.079	0.126	267.726426	35.343292	-731.52	804.95
4	GUIDE	342764216	7.85	9914	-0.137	0.030	0.064	0.103	266.782243	34.953975	-389.29	-2288.42
5	GUIDE	342884896	9.11	9868	0.166	0.147	0.110	0.167	268.543477	34.710125	2233.02	2292.54
6	GUIDE	342890624	8.90	9907	-0.160	-0.021	0.108	0.168	268.168223	35.085433	584.28	1707.70
7	GUIDE	343410312	9.03	9875	0.020	-0.141	0.102	0.157	267.966522	35.704519	-1711.05	1912.62

2.4 Star Slots

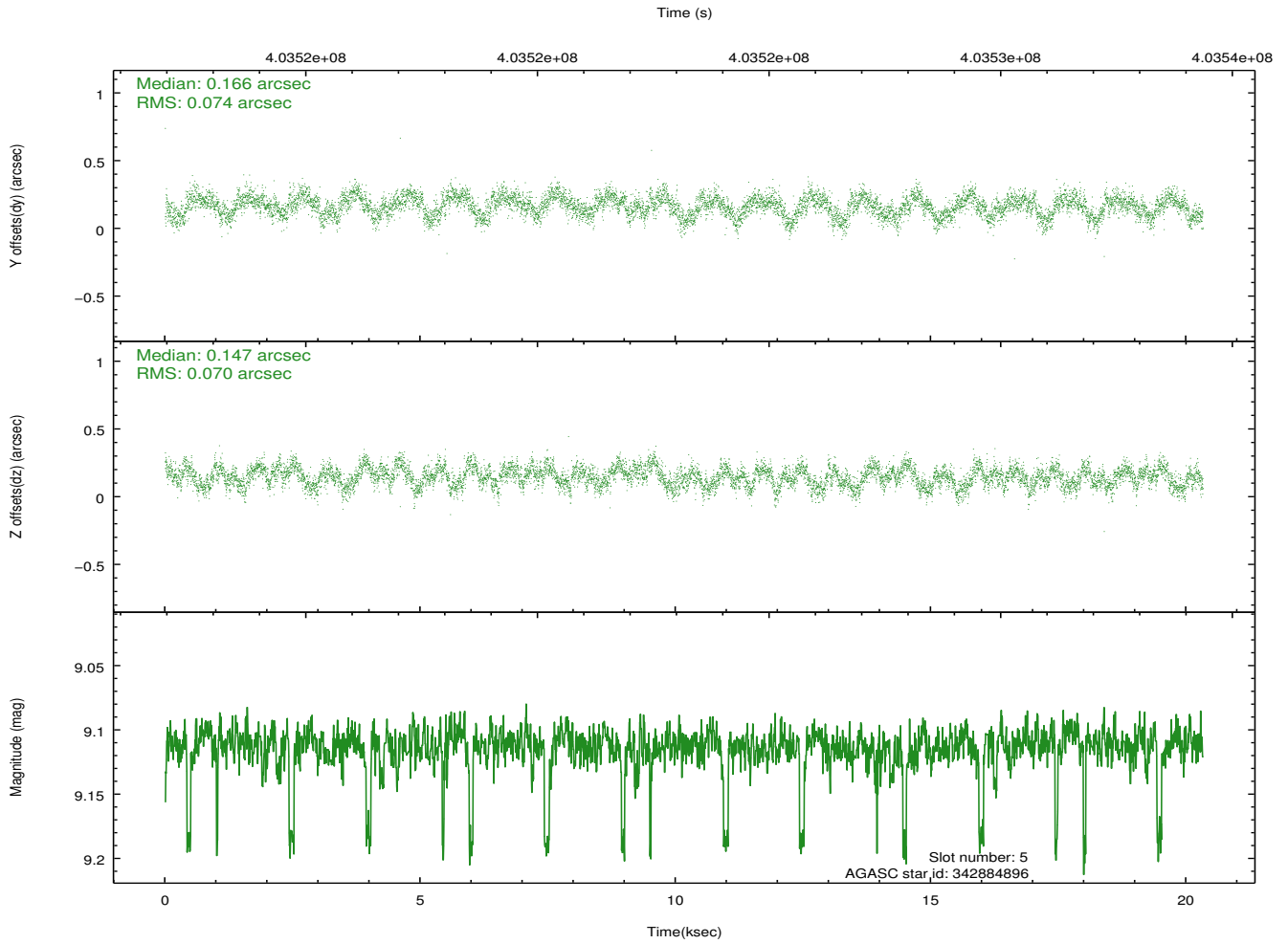
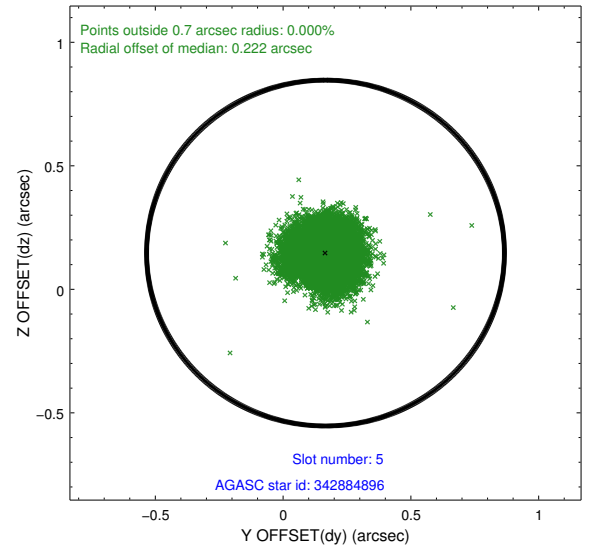
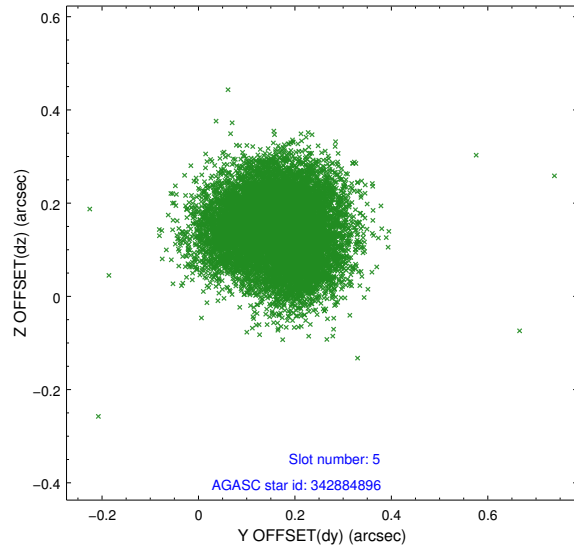
2.4.1 Slot 3



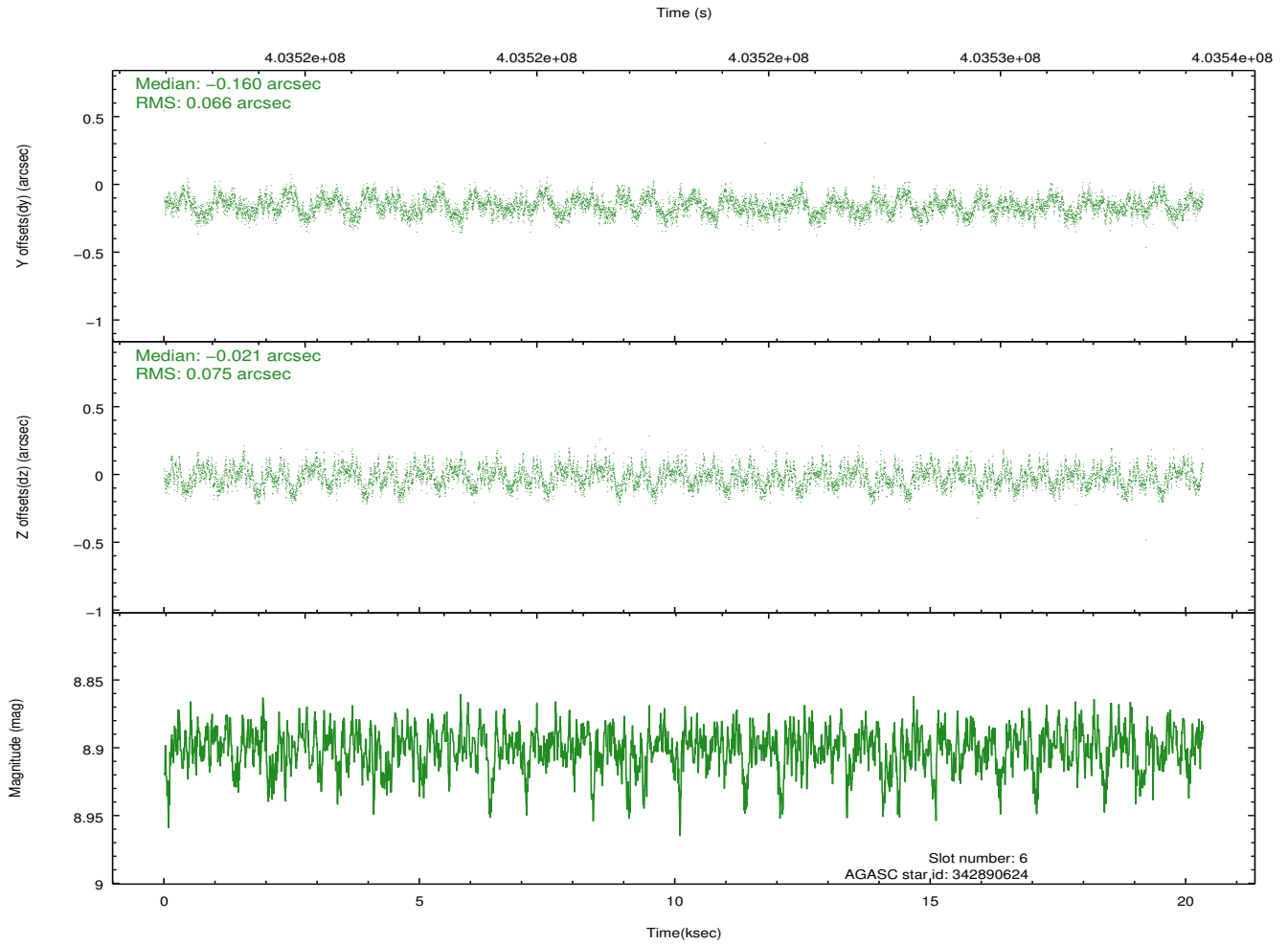
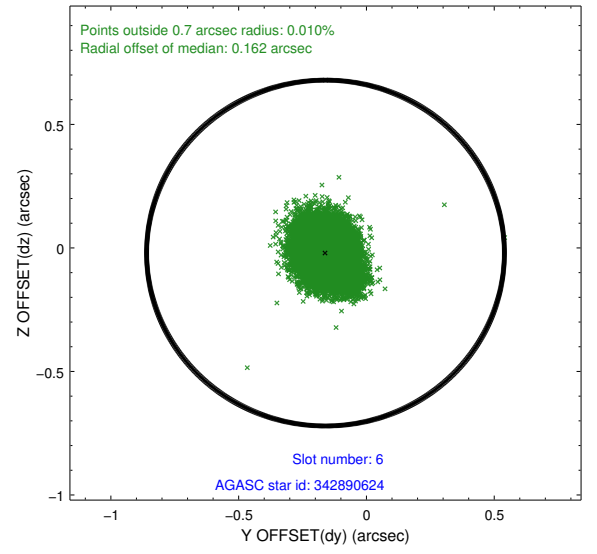
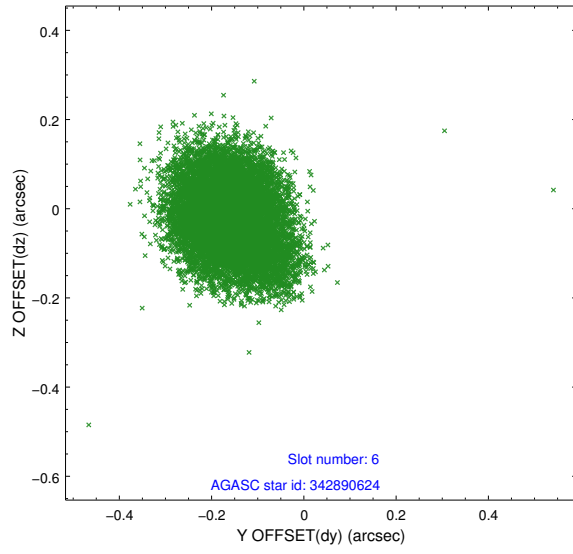
2.4.2 Slot 4



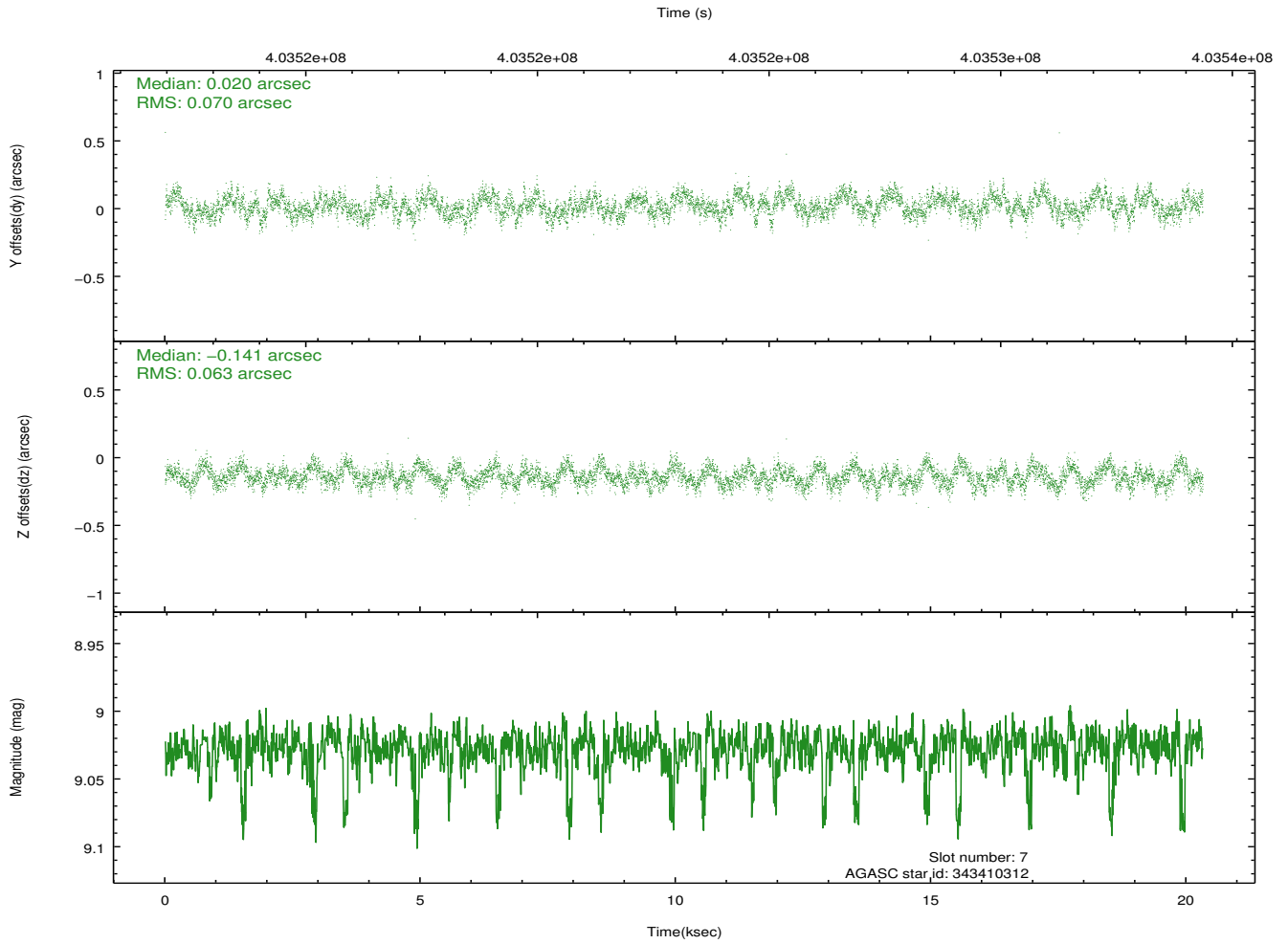
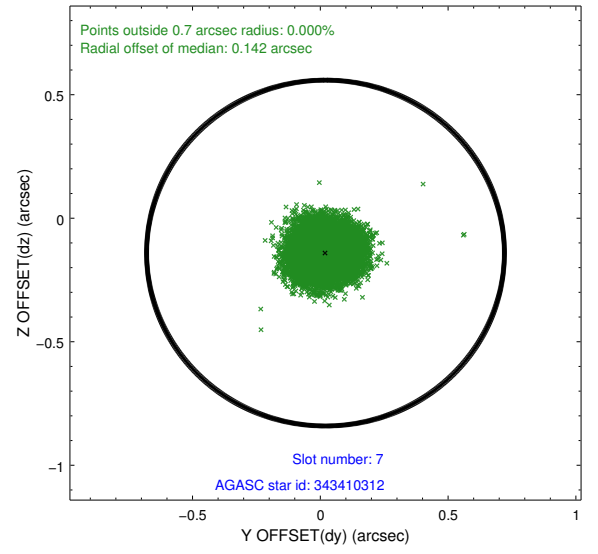
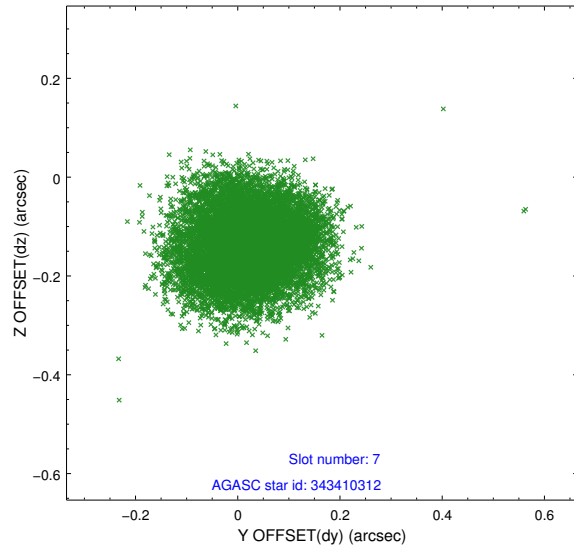
2.4.3 Slot 5



2.4.4 Slot 6

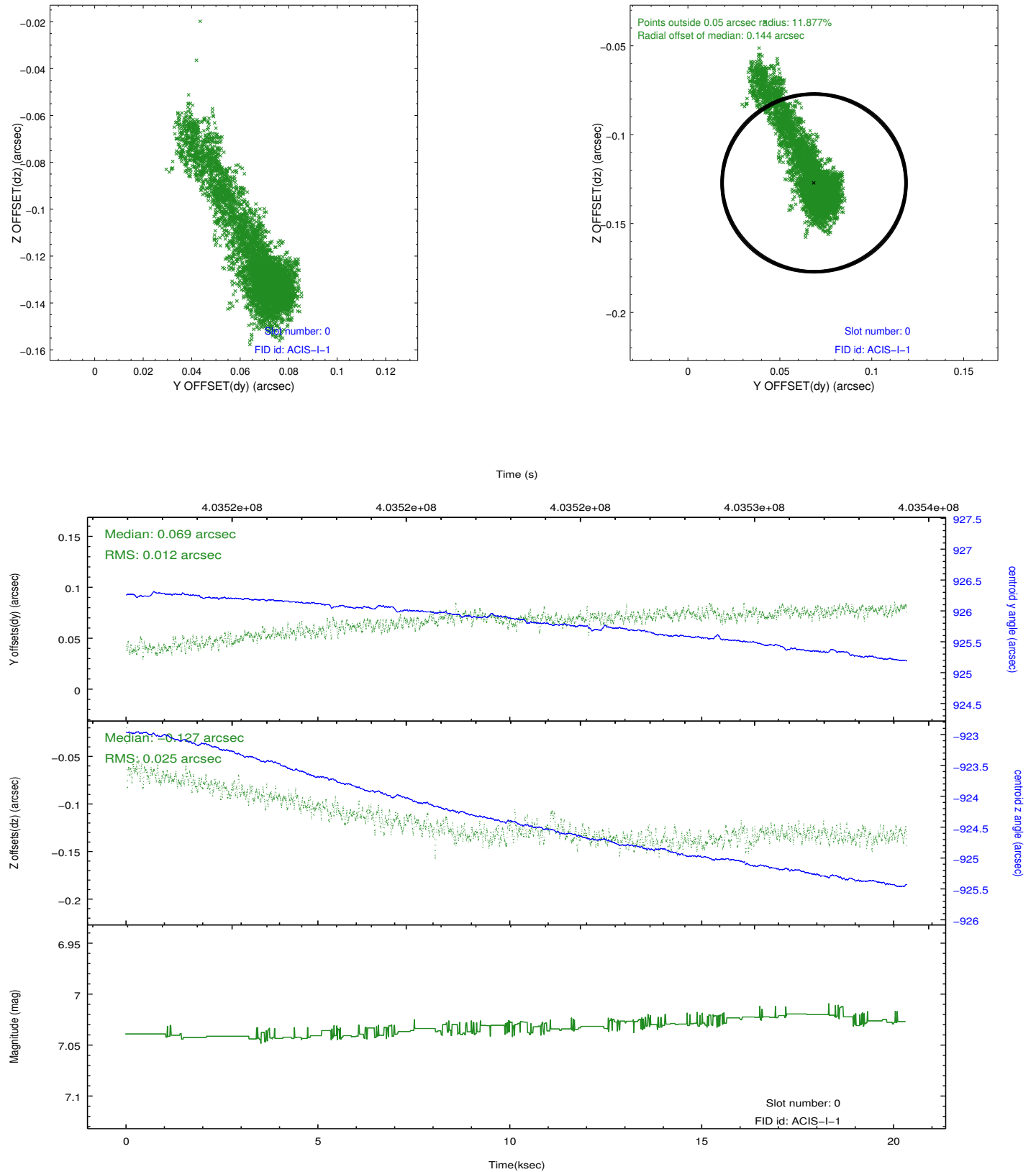


2.4.5 Slot 7

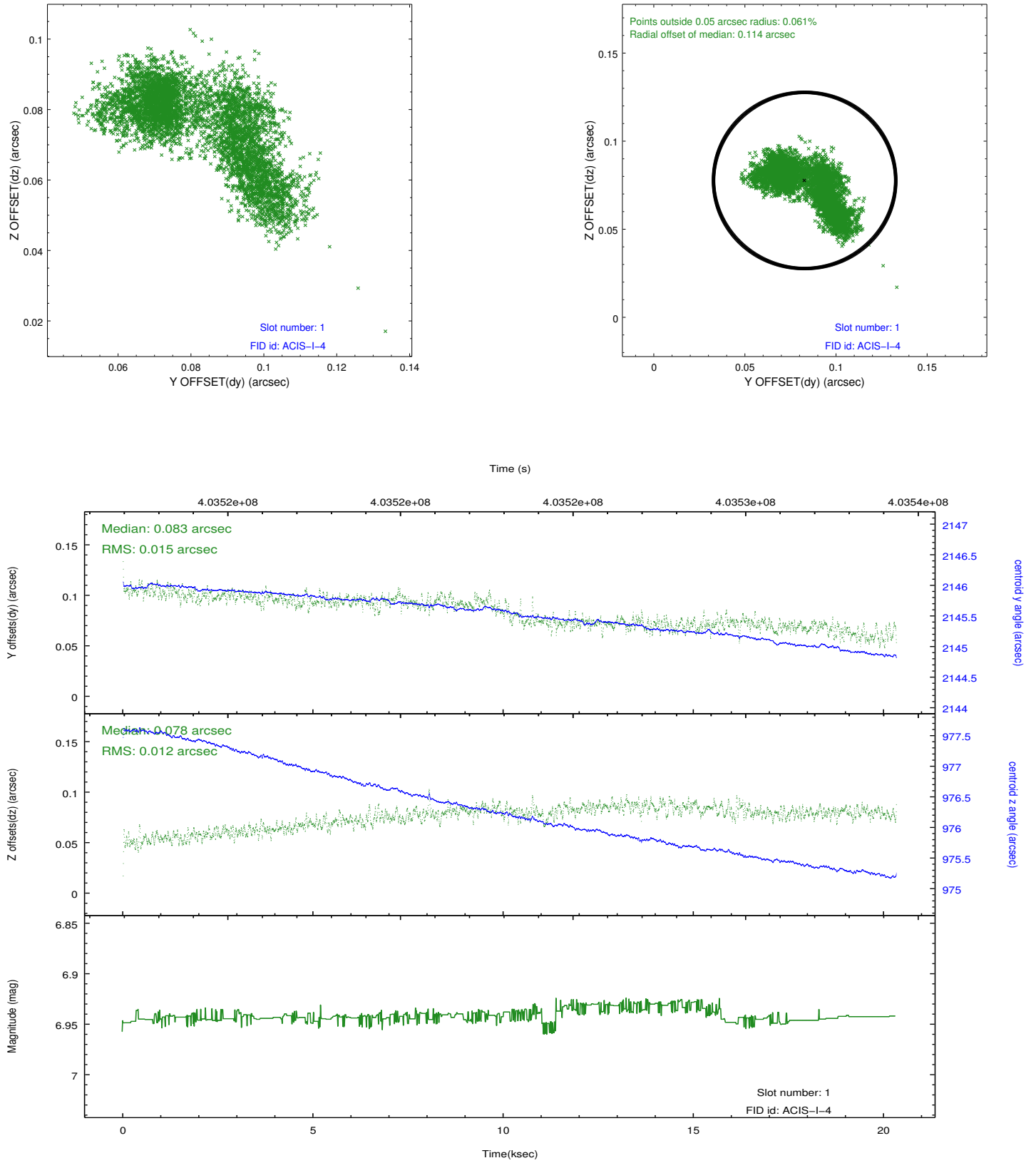


2.5 FID Slots

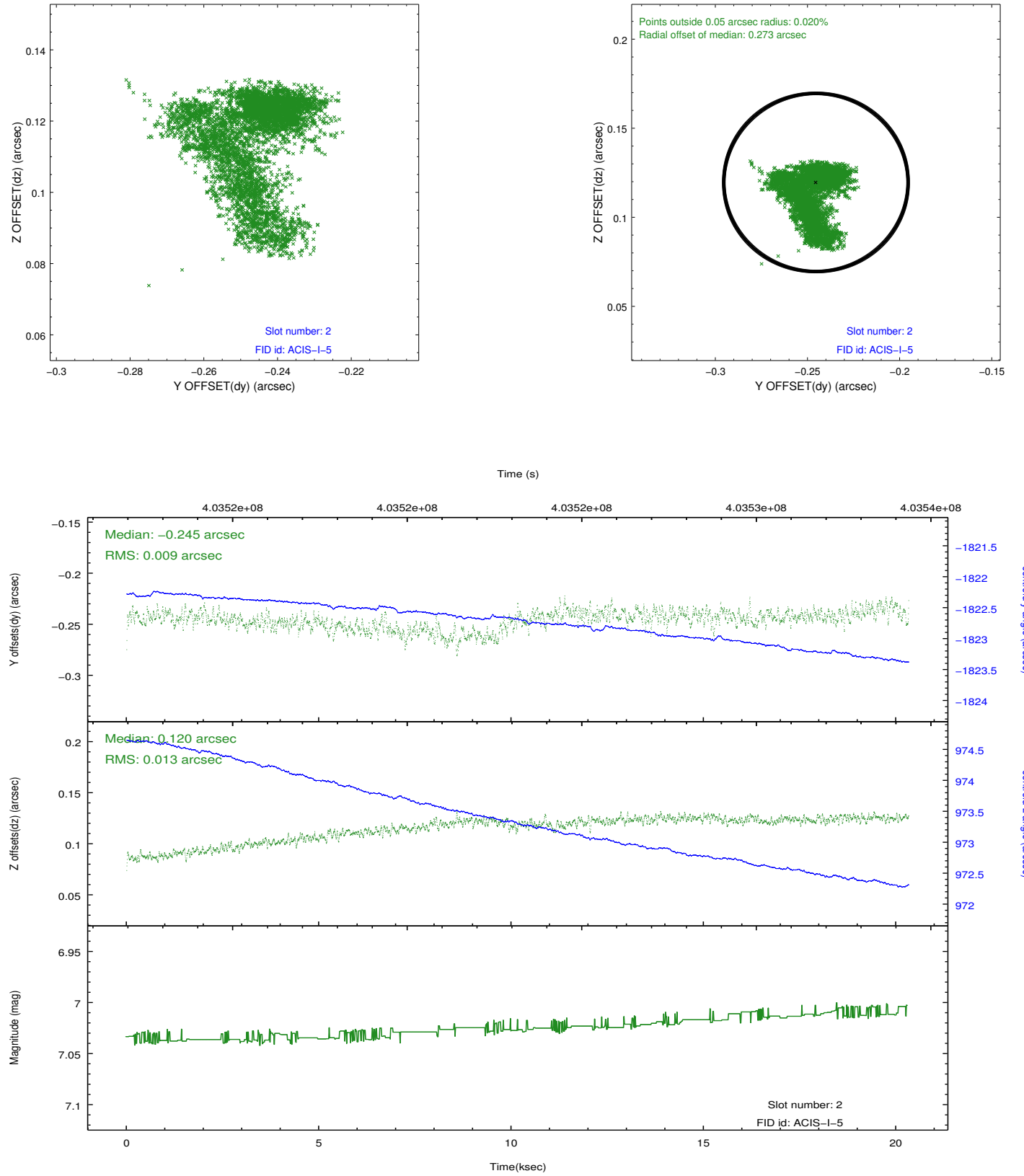
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.047659143865

A.2 Comments