

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13384 - L2 Version 2
Chandra X-Ray Center

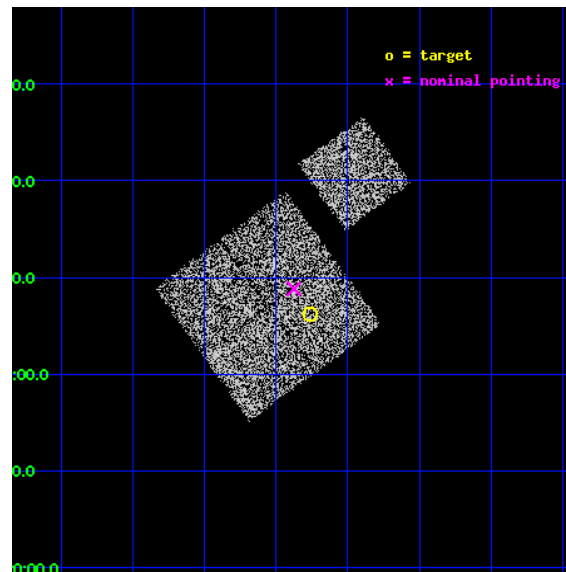
L2 Processing Date : Feb 26 2012

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1 Front

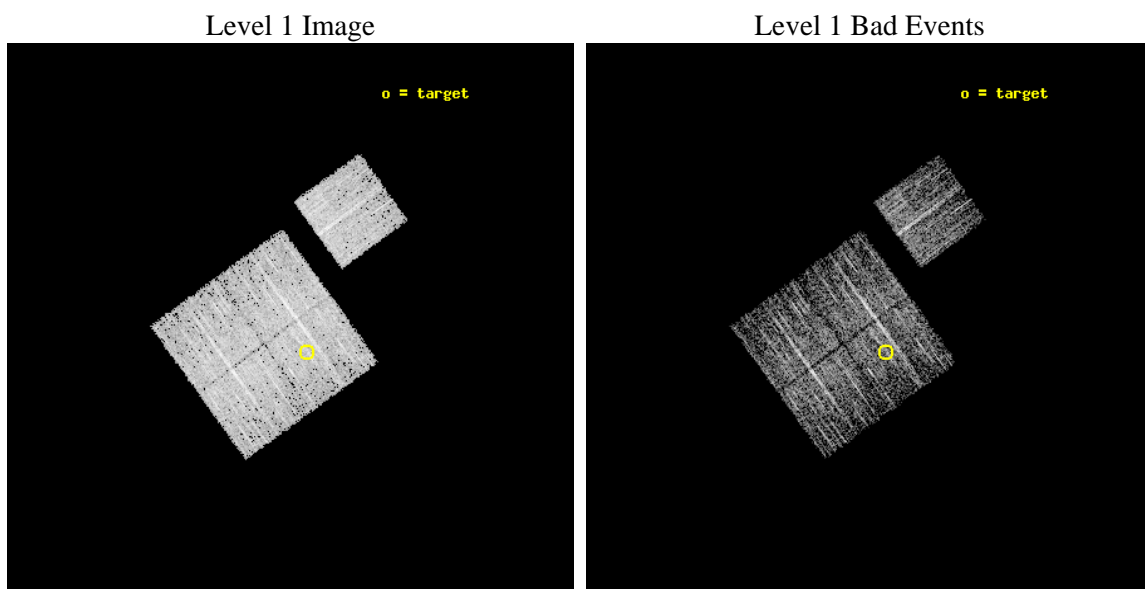
seq_num	801071	Sequence number
obs_id	13384	Observation id
title	Characterizing the Most Massive Clusters in the Local Universe	Pro
observer	Dr Stephen Murray	Principal investigator
object	G189.84-37.24	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	59.940417	Observer's specified target RA [deg]
dec_targ	0.103611	Observer's specified target Dec [deg]
ra_nom	59.969080769098	Nominal RA [deg]
dec_nom	0.14692489342572	Nominal Dec [deg]
roll_nom	54.035126952157	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4059.9665999413	Sum of GTIs [s]
livetime	4006.9201474091	Livetime [s]
ontime0	4059.8434799314	Sum of GTIs [s]
ontime1	4059.8845199347	Sum of GTIs [s]
ontime2	4059.925559938	Sum of GTIs [s]
ontime3	4059.9665999413	Sum of GTIs [s]
ontime6	4059.8024399281	Sum of GTIs [s]
l2events	16470	Number of level 2 events



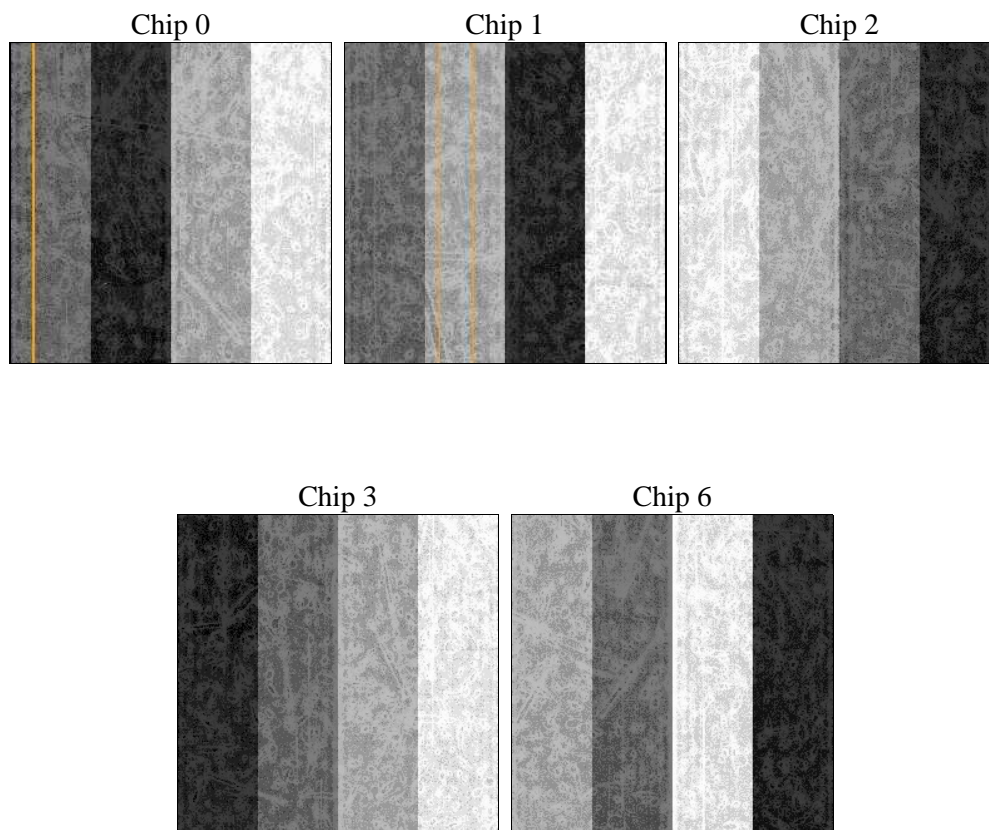
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4059.9665999413	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	4059.8434799314	Sum of GTIs [s]
date	2012-02-26T03:49:12	Date and time of file creation	ontime1	4059.8845199347	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4059.925559938	Sum of GTIs [s]
			ontime3	4059.9665999413	Sum of GTIs [s]
			ontime6	4059.8024399281	Sum of GTIs [s]
			l1events	121611	Number of level 1 events

2.1.4 Events

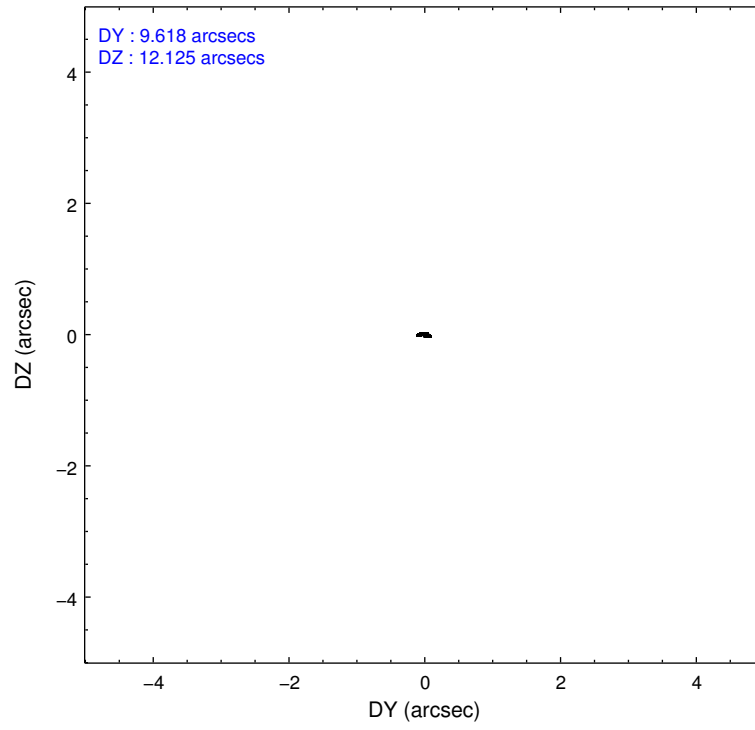
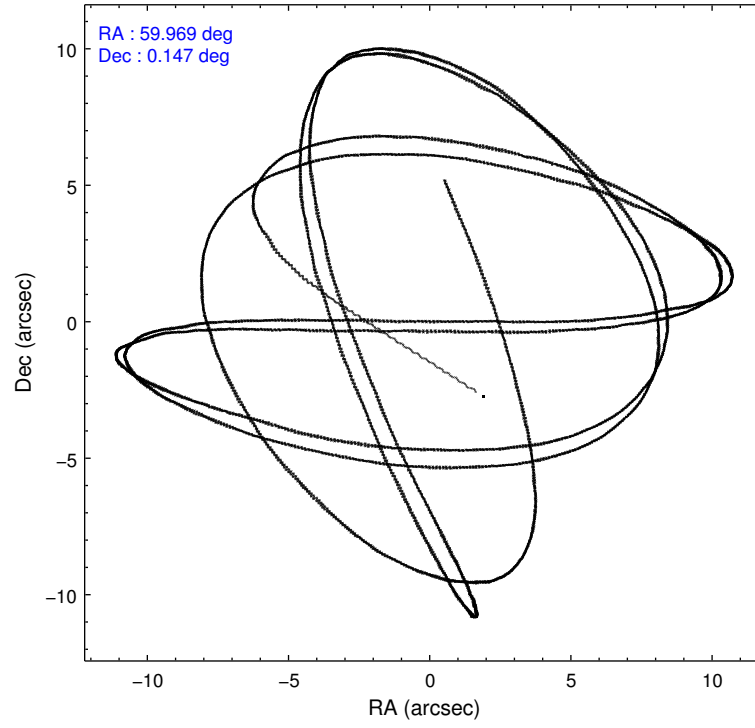
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23614	24153	24380	24254	25210
rejected events	19935	20047	20669	20702	21372
rejected %	84%	83%	84%	85%	84%

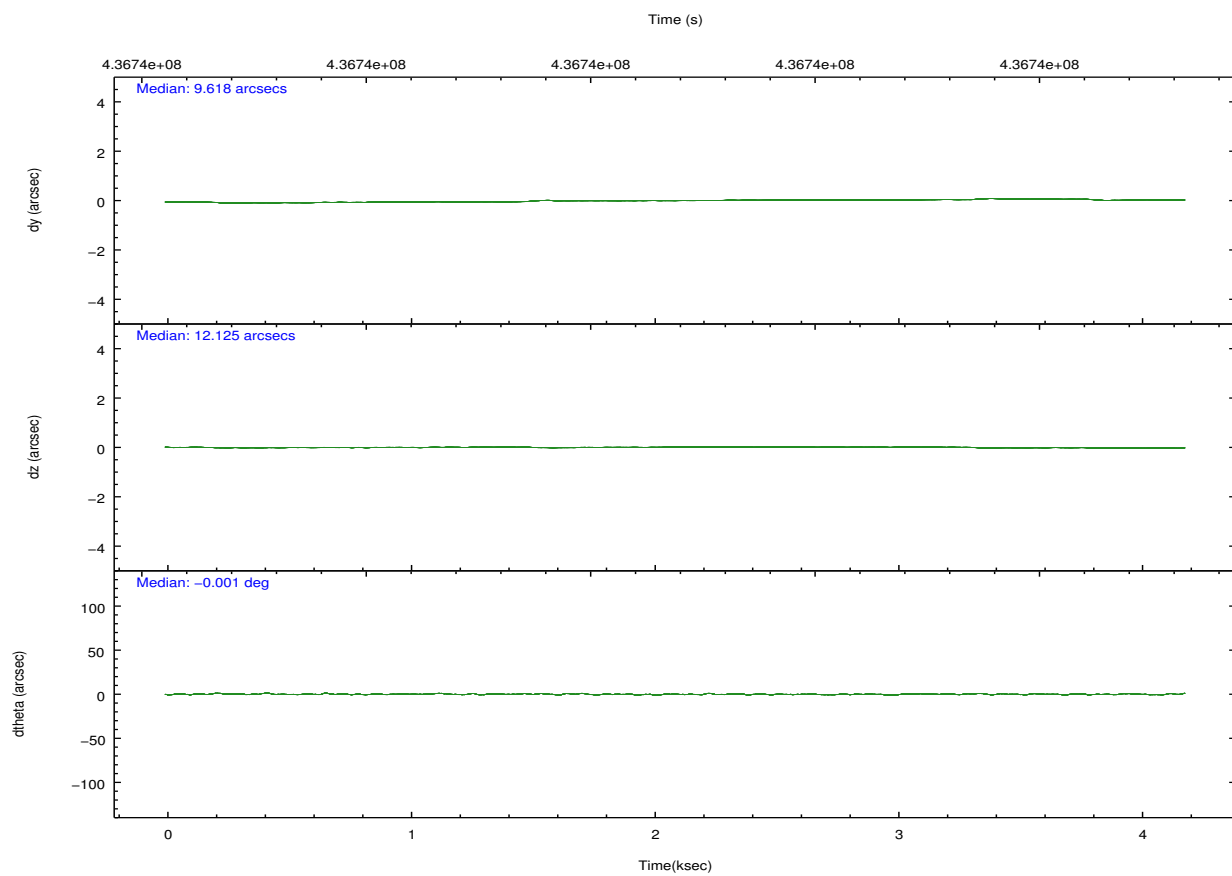
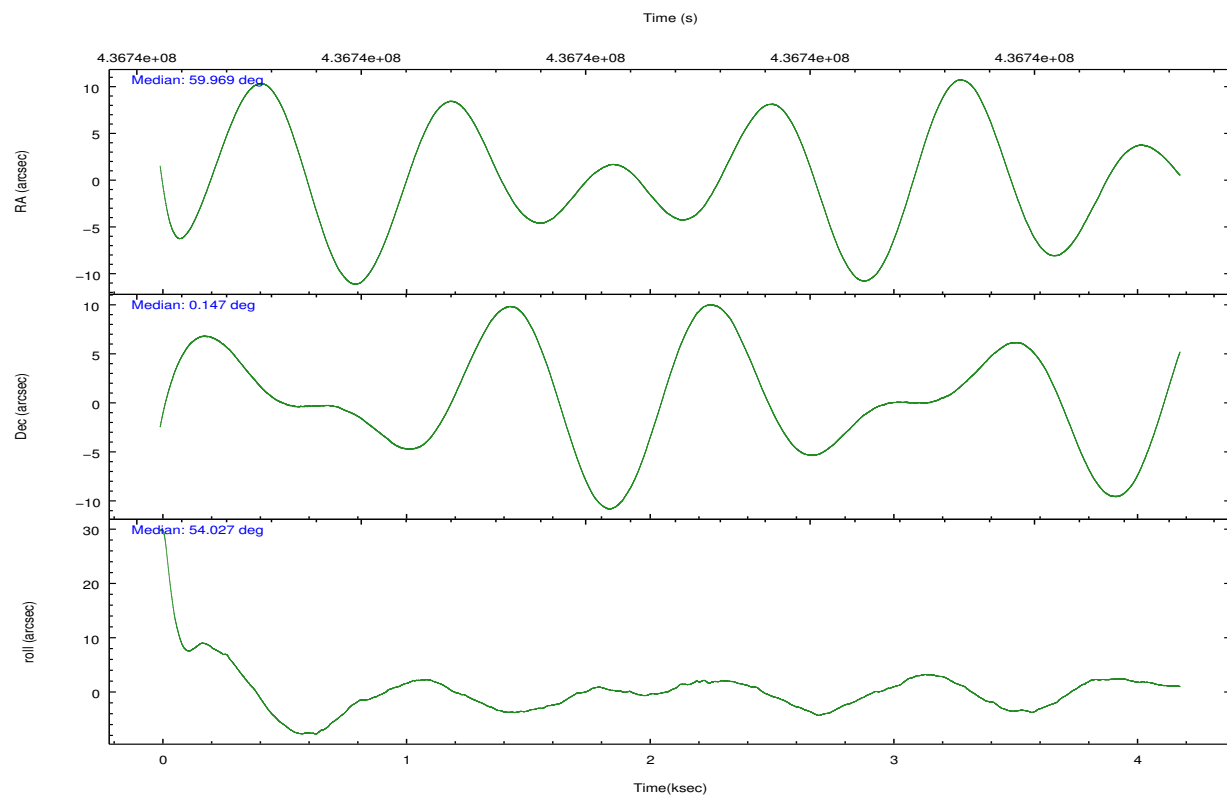
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1265	1389	1339	1238	1281
	5%	5%	5%	5%	5%
grade 1 events	20	13	12	19	14
	0%	0%	0%	0%	0%
grade 2 events	840	934	779	709	819
	3%	3%	3%	2%	3%
grade 3 events	377	369	367	322	368
	1%	1%	1%	1%	1%
grade 4 events	324	387	371	345	337
	1%	1%	1%	1%	1%
grade 5 events	1095	1185	1064	1187	1215
	4%	4%	4%	4%	4%
grade 6 events	878	1029	858	942	1038
	3%	4%	3%	3%	4%
grade 7 events	18815	18847	19590	19492	20138
	79%	78%	80%	80%	79%

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	59.966326	59.96908076909754	CCD I2 on	Y	Y
[deg] Pointing Dec	0.119564	0.1469248934257223	CCD I3 on	Y	Y
[deg] Pointing Roll	53.826356	54.03512695215695	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	-225.892463	-225.8835723768489	CCD S3 on	N	N
[mm] SIM translation stage offset	-7.7	-7.708880626080827	CCD S4 on	N	N
[s] Observation start time (MET)	436735471.184000	436734196.91813	CCD S5 on	N	N
Observation start date	2011-11-03T19:23:25	2011-11-03T19:03:16	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	436739471.184000	436740338.20595	On-chip summing requested	N	N
Observation end date	2011-11-03T20:30:05	2011-11-03T20:45:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



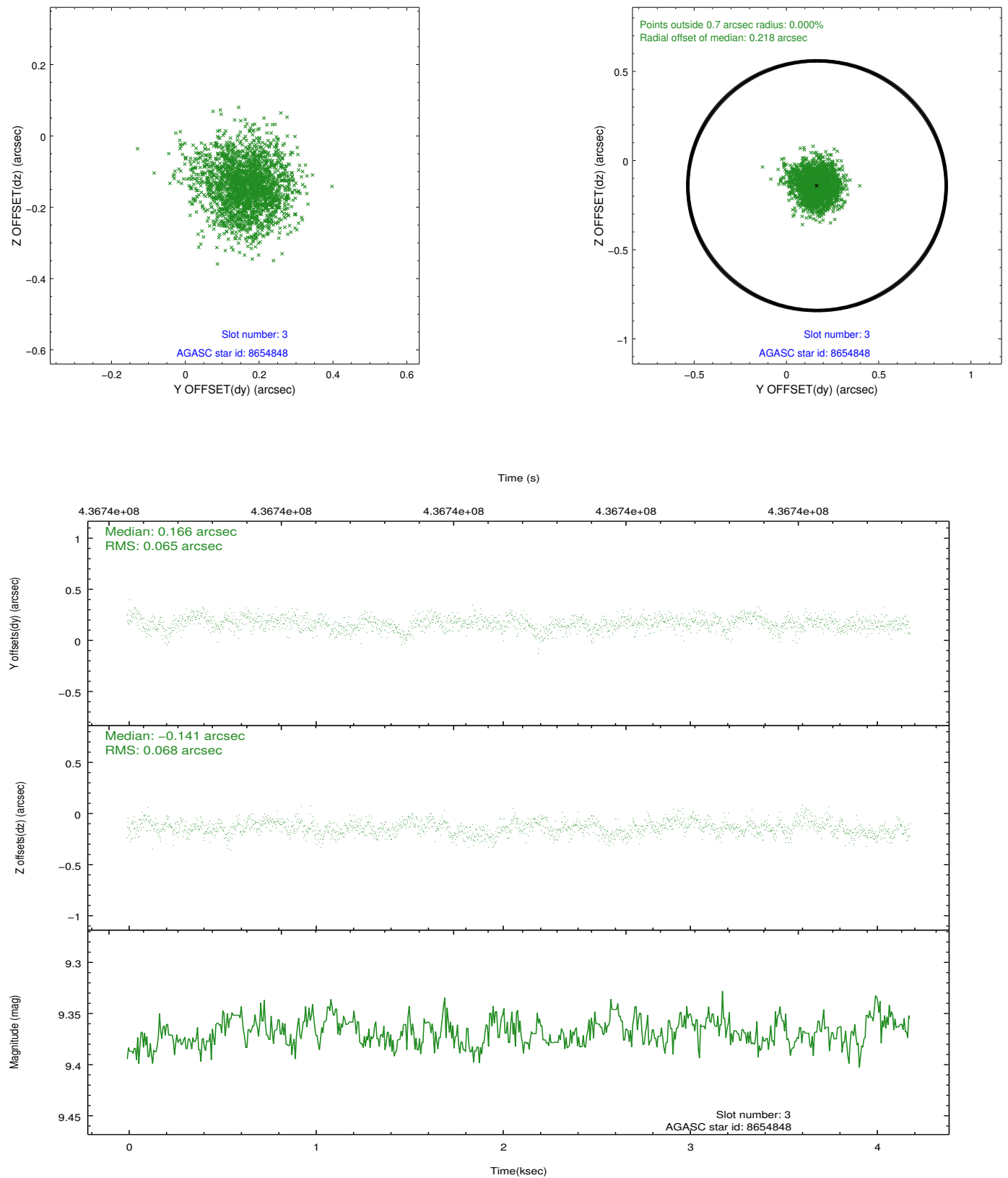


Slot Statistics

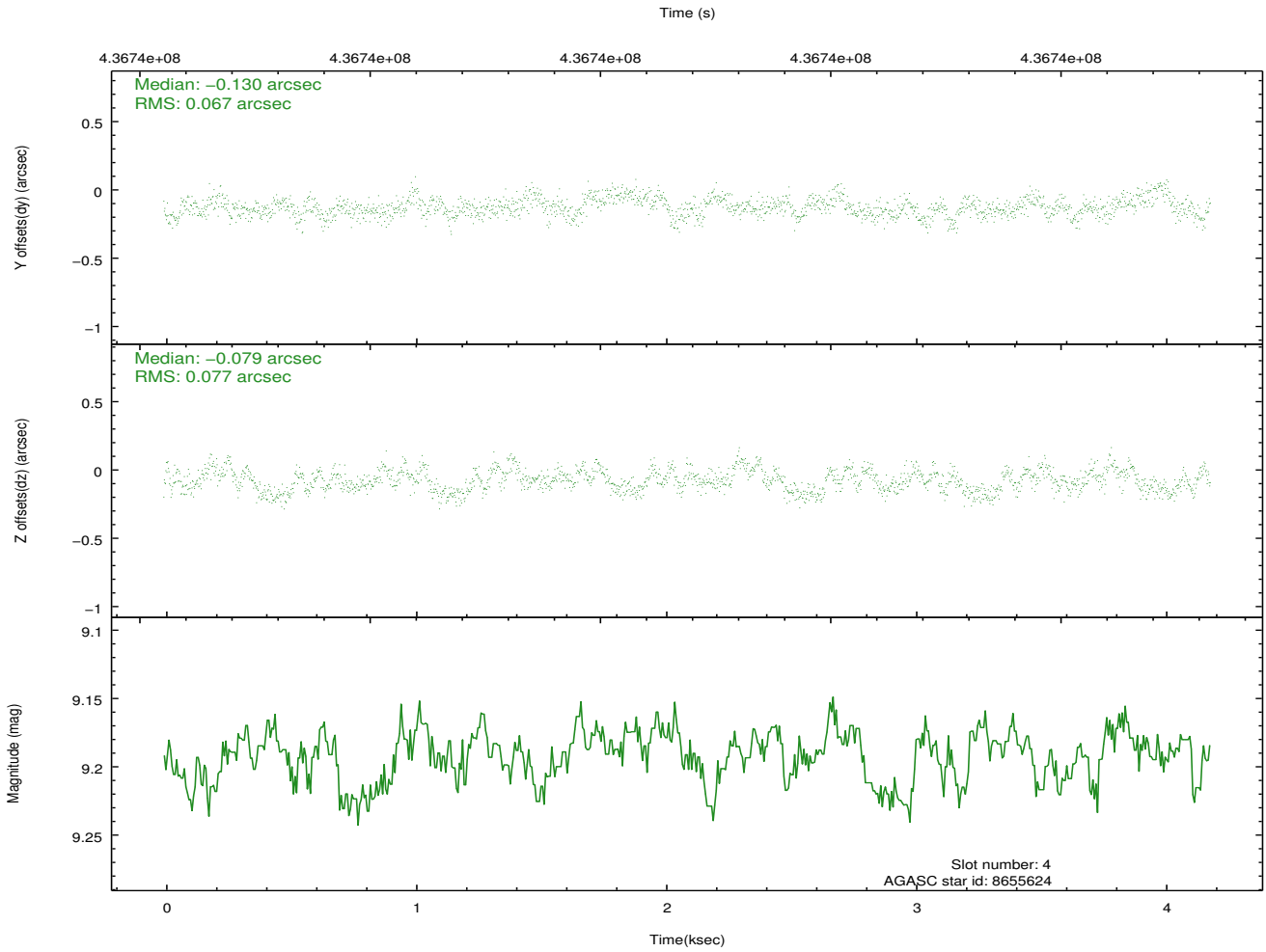
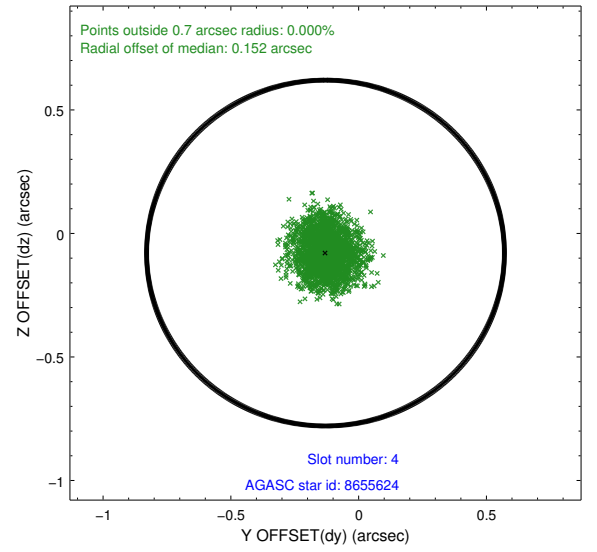
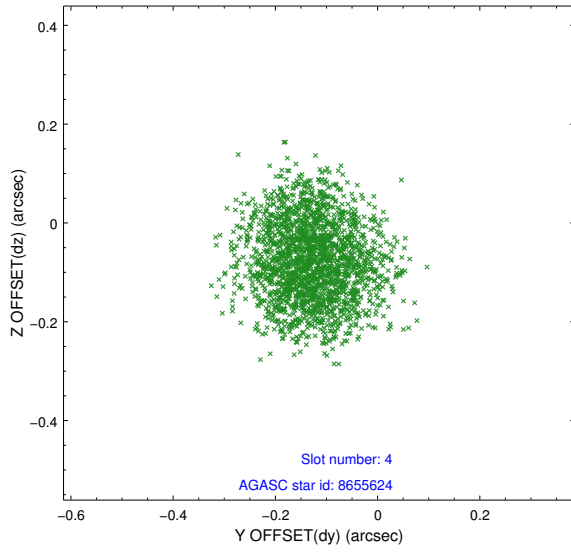
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	1021	0.174	-0.161	0.006	0.011	0.000000	0.000000	930.02	-994.07
1	FID	ACIS-I-5	7.07	1021	-0.328	0.128	0.006	0.010	0.000000	0.000000	-1817.74	902.84
2	FID	ACIS-I-6	7.09	1021	0.062	0.103	0.006	0.010	0.000000	0.000000	393.87	1548.98
3	GUIDE	8654848	9.37	2042	0.166	-0.141	0.102	0.161	59.806200	0.958082	2096.87	2247.26
4	GUIDE	8655624	9.19	2043	-0.130	-0.079	0.112	0.169	59.734088	0.751145	1343.08	2016.20
5	GUIDE	9574320	8.58	2043	0.067	0.133	0.076	0.122	60.554993	0.080695	1139.79	-1792.33
6	GUIDE	9574928	9.35	2043	-0.042	0.152	0.107	0.174	60.580390	0.067478	1155.15	-1896.06
7	GUIDE	8658400	9.70	2040	-0.059	-0.064	0.101	0.164	59.494011	0.010090	-1321.01	1138.84

2.4 Star Slots

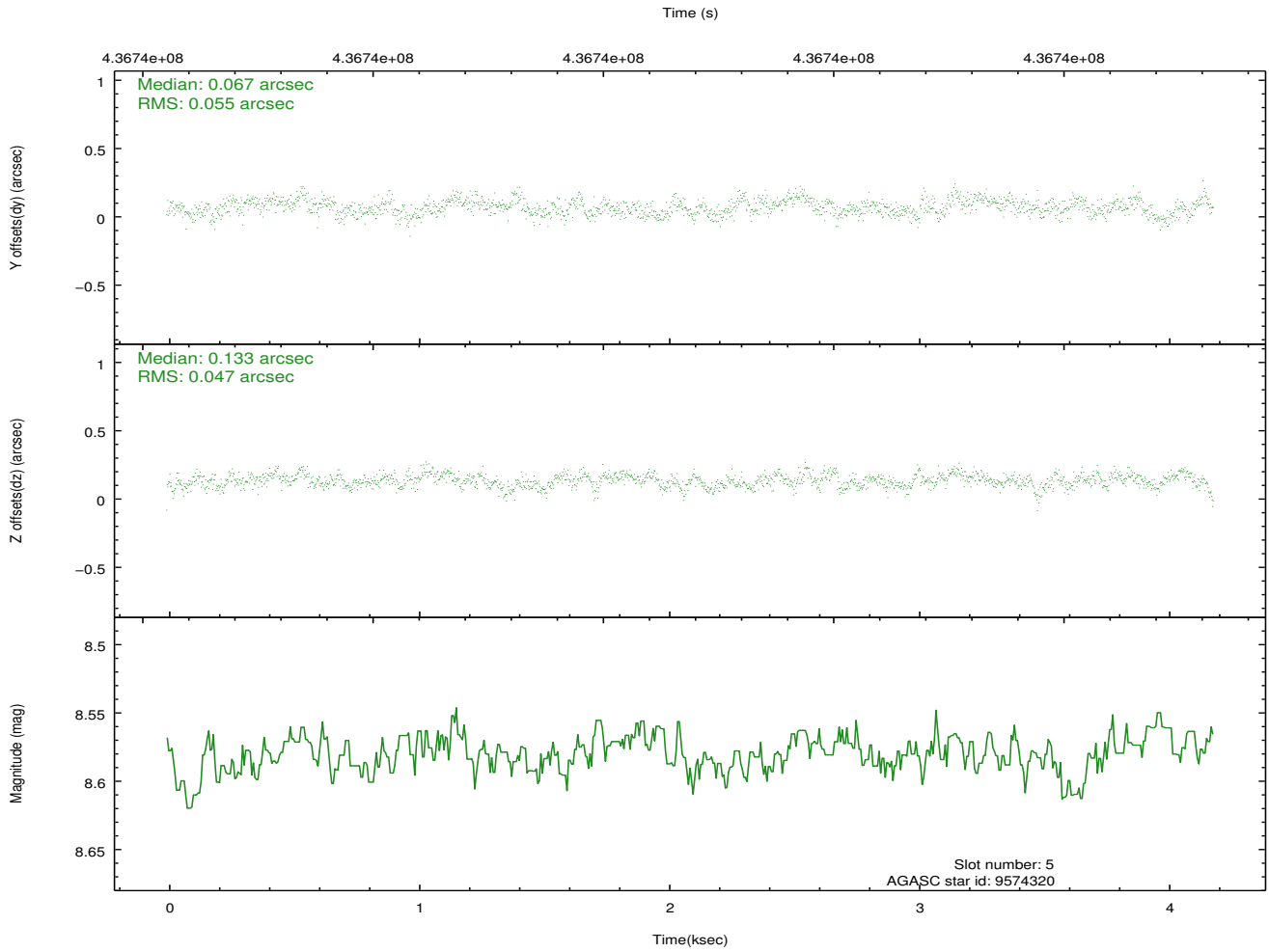
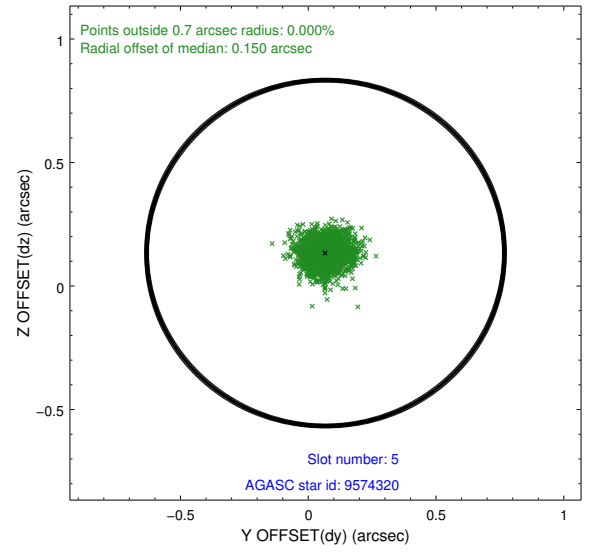
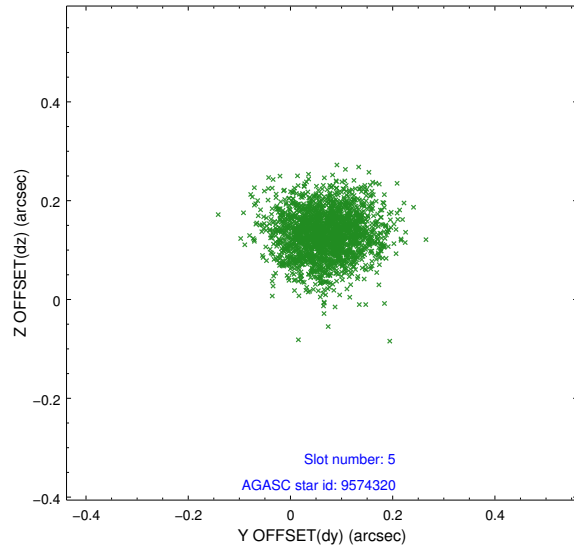
2.4.1 Slot 3



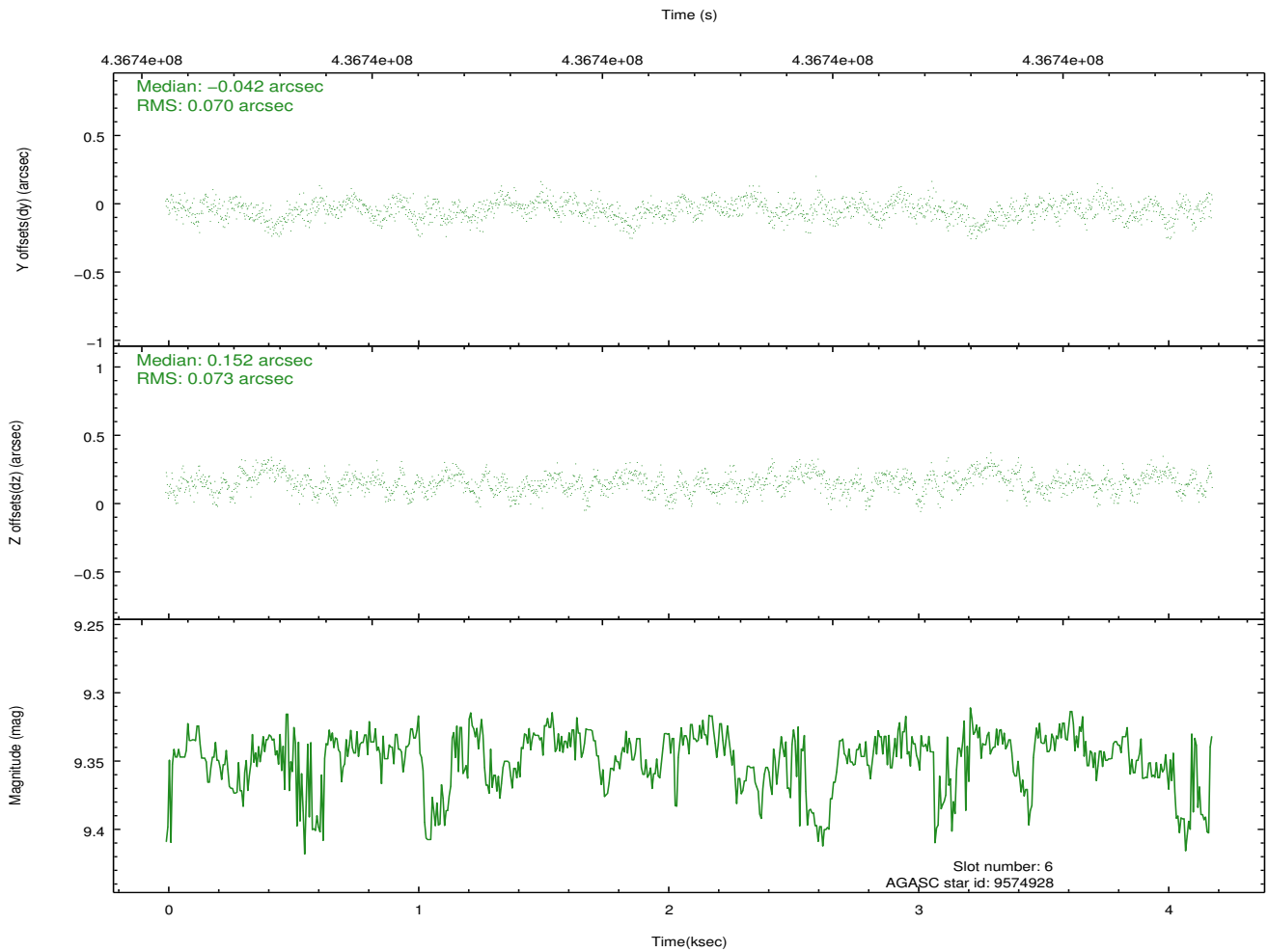
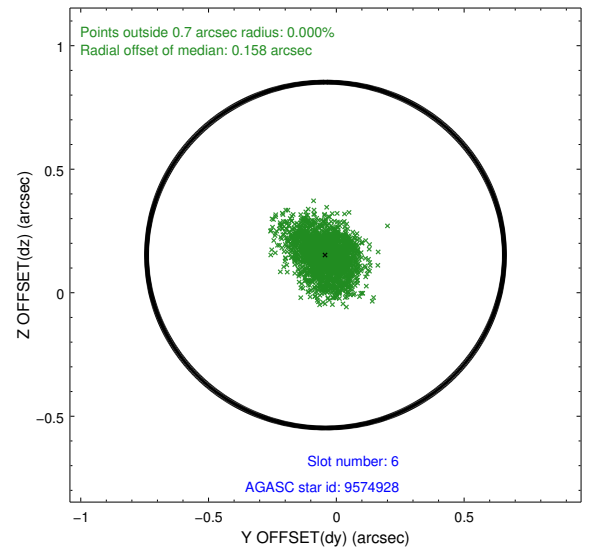
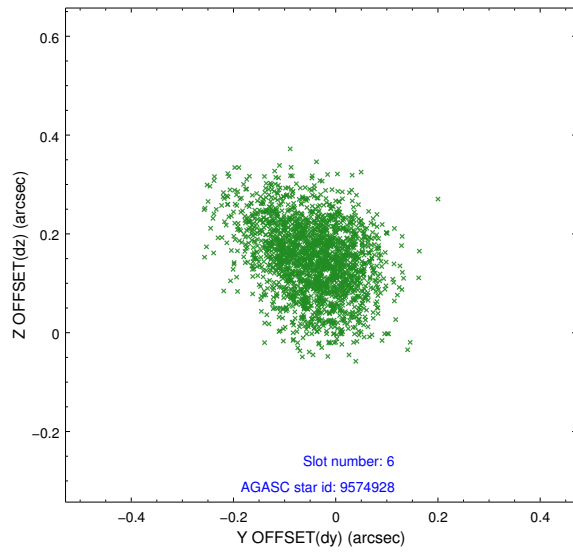
2.4.2 Slot 4



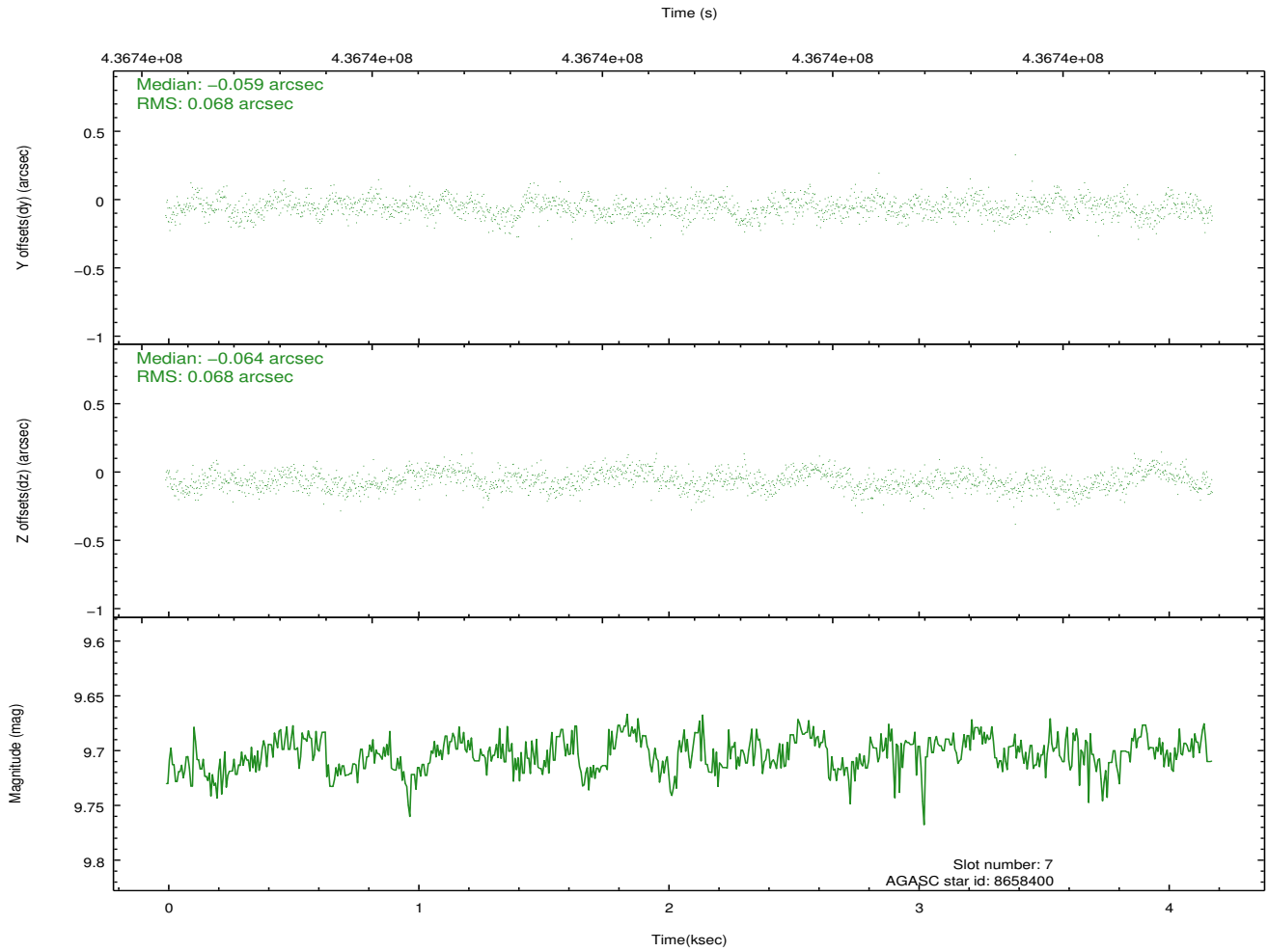
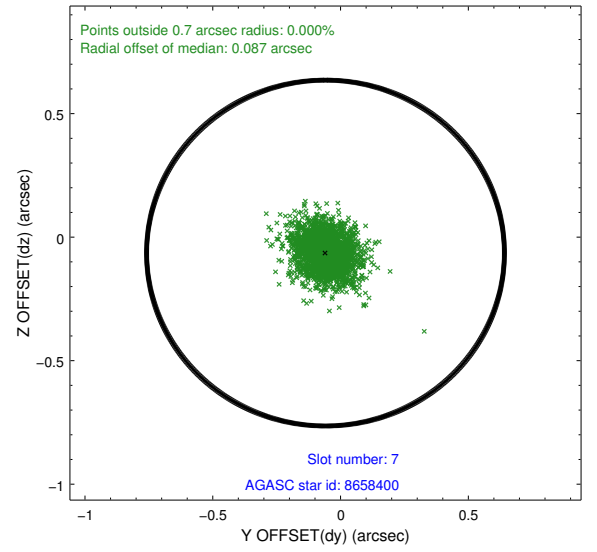
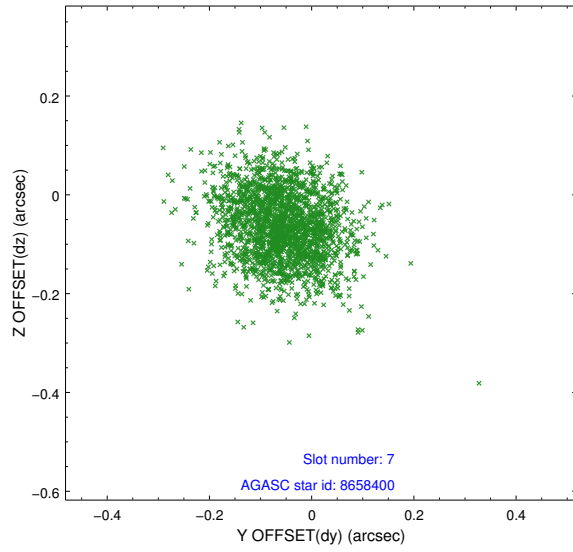
2.4.3 Slot 5



2.4.4 Slot 6

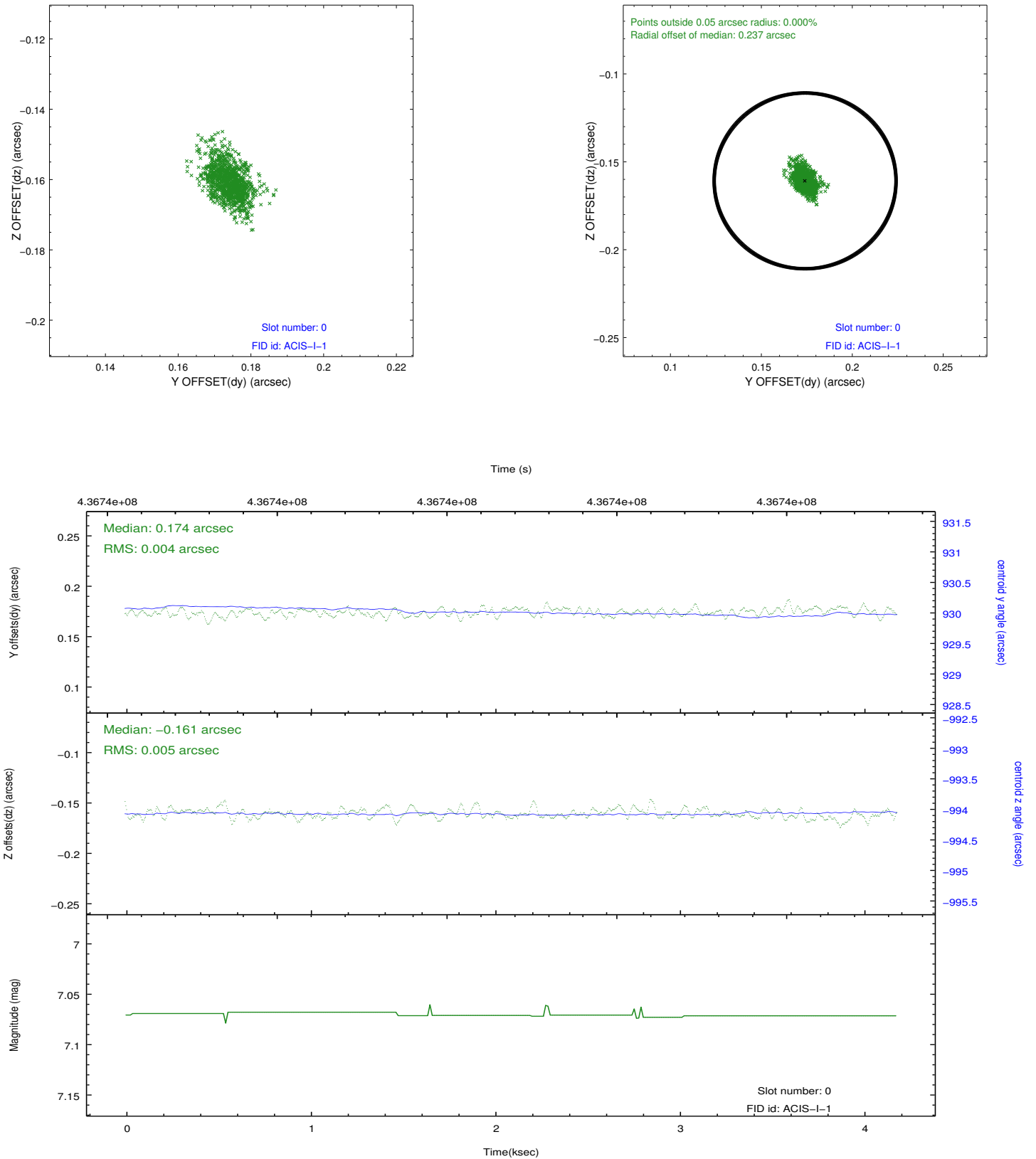


2.4.5 Slot 7

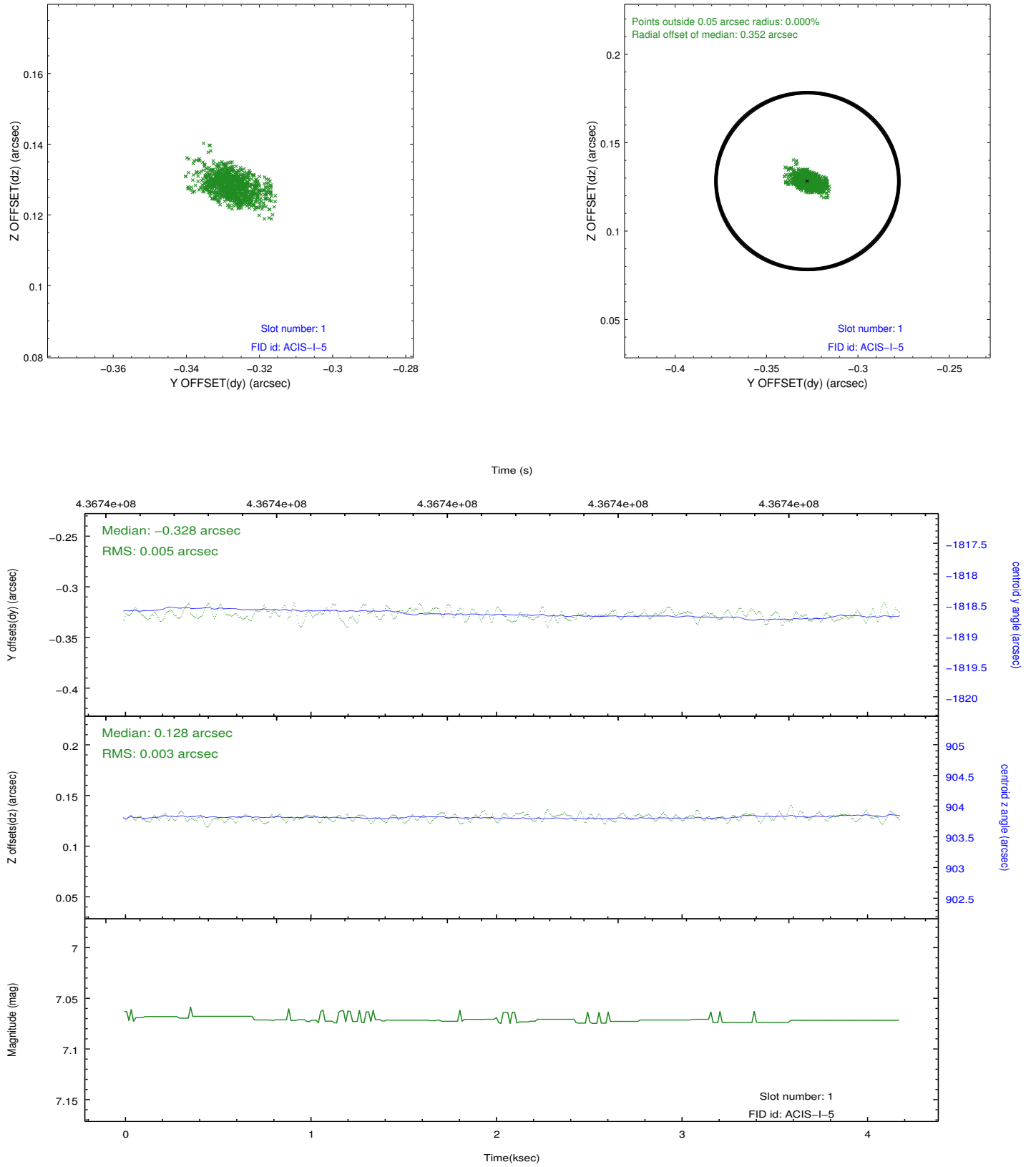


2.5 FID Slots

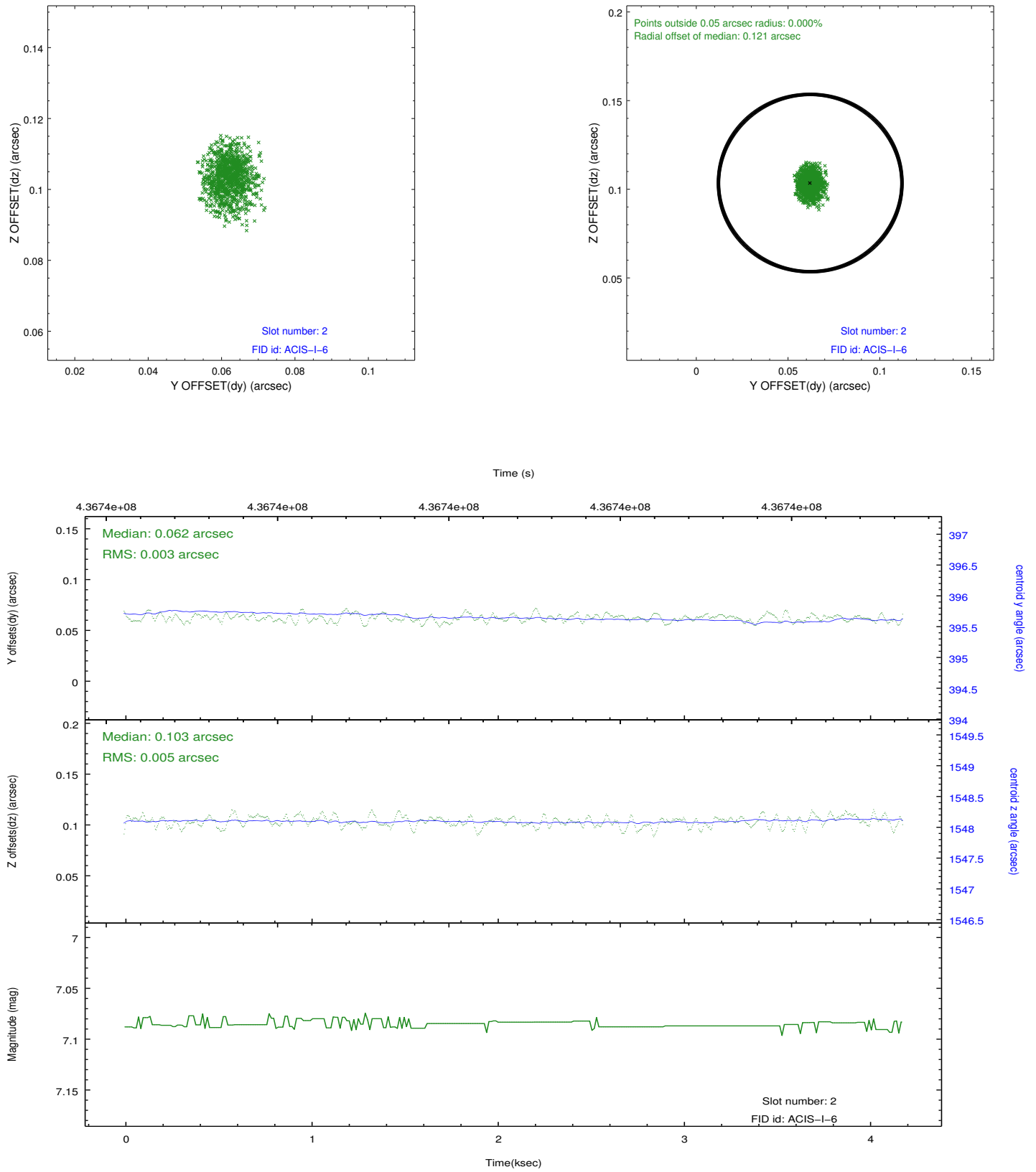
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0599666016698

A.2 Comments