

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11625 - L2 Version 2
Chandra X-Ray Center

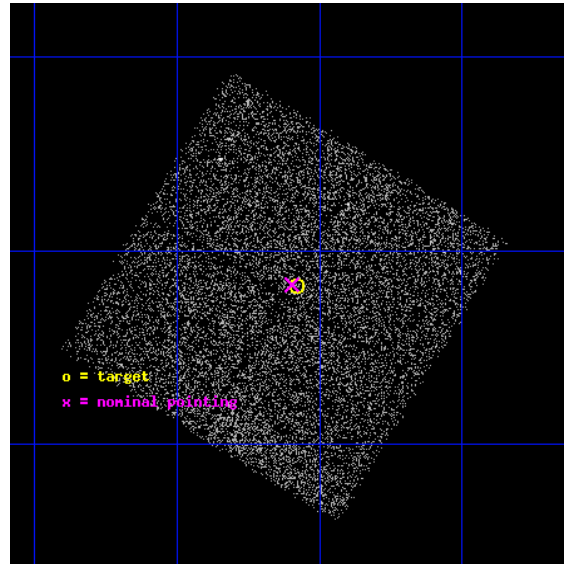
L2 Processing Date : Jun 20 2012

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

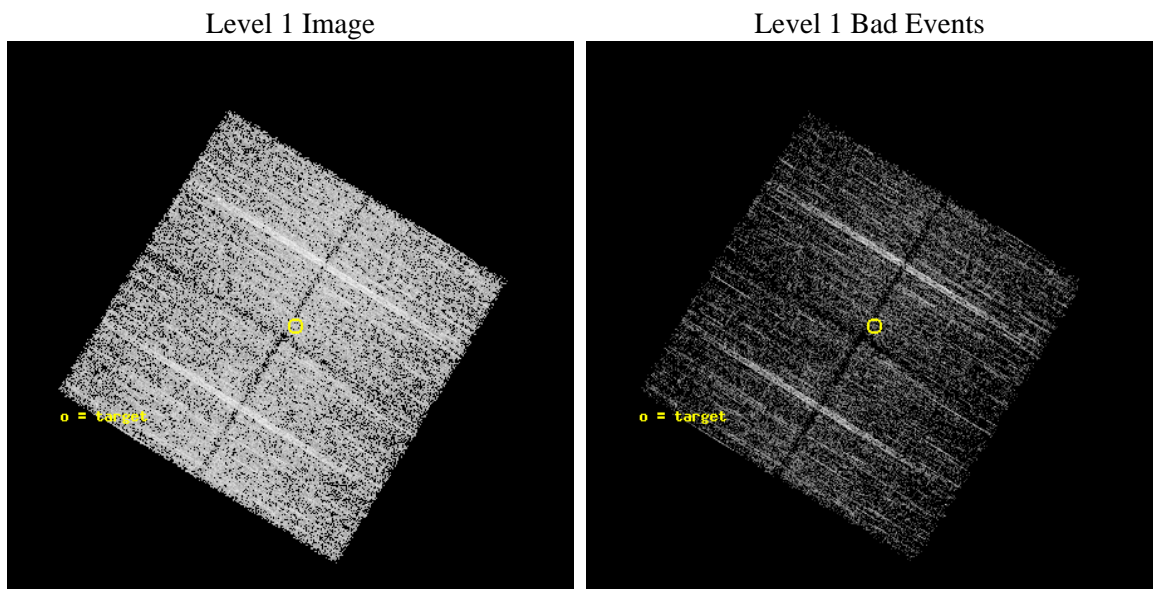
seq_num	702211	Sequence number
obs_id	11625	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_m1347	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.894583	Observer's specified target RA [deg]
dec_targ	-5.363611	Observer's specified target Dec [deg]
ra_nom	149.89926941119	Nominal RA [deg]
dec_nom	-5.3627780232248	Nominal Dec [deg]
roll_nom	31.448865161513	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5170.8000397682	Sum of GTIs [s]
livetime	5103.239730561	Livetime [s]
ontime0	5170.8000397682	Sum of GTIs [s]
ontime1	5167.6590394974	Sum of GTIs [s]
ontime2	5170.8000397682	Sum of GTIs [s]
ontime3	5170.8000397682	Sum of GTIs [s]
l2events	16299	Number of level 2 events



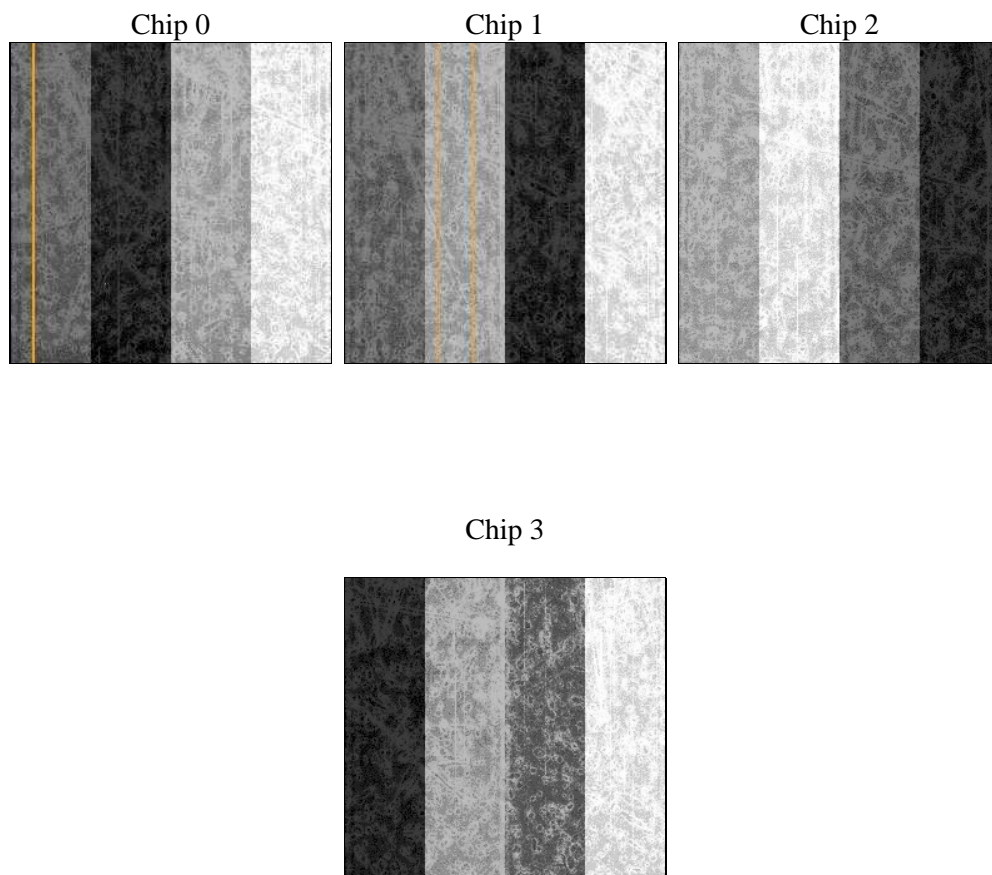
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.199000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5170.8000397682	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	5170.8000397682	Sum of GTIs [s]
date	2012-06-20T23:56:01	Date and time of file creation	ontime1	5167.6590394974	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5170.8000397682	Sum of GTIs [s]
			ontime3	5170.8000397682	Sum of GTIs [s]
			l1events	187467	Number of level 1 events

2.1.4 Events

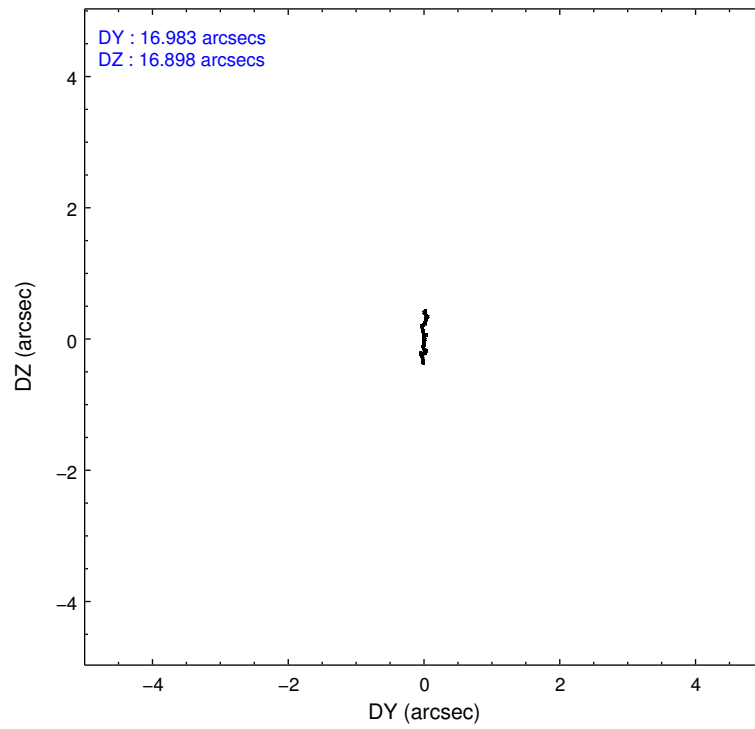
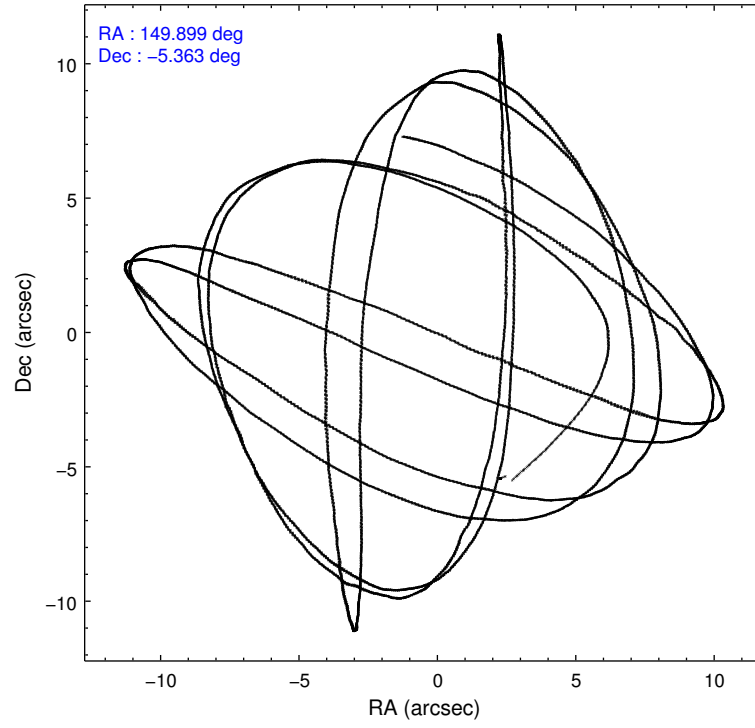
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	45206	45954	48042	48265
rejected events	40480	40632	43118	43775
rejected %	89%	88%	89%	90%

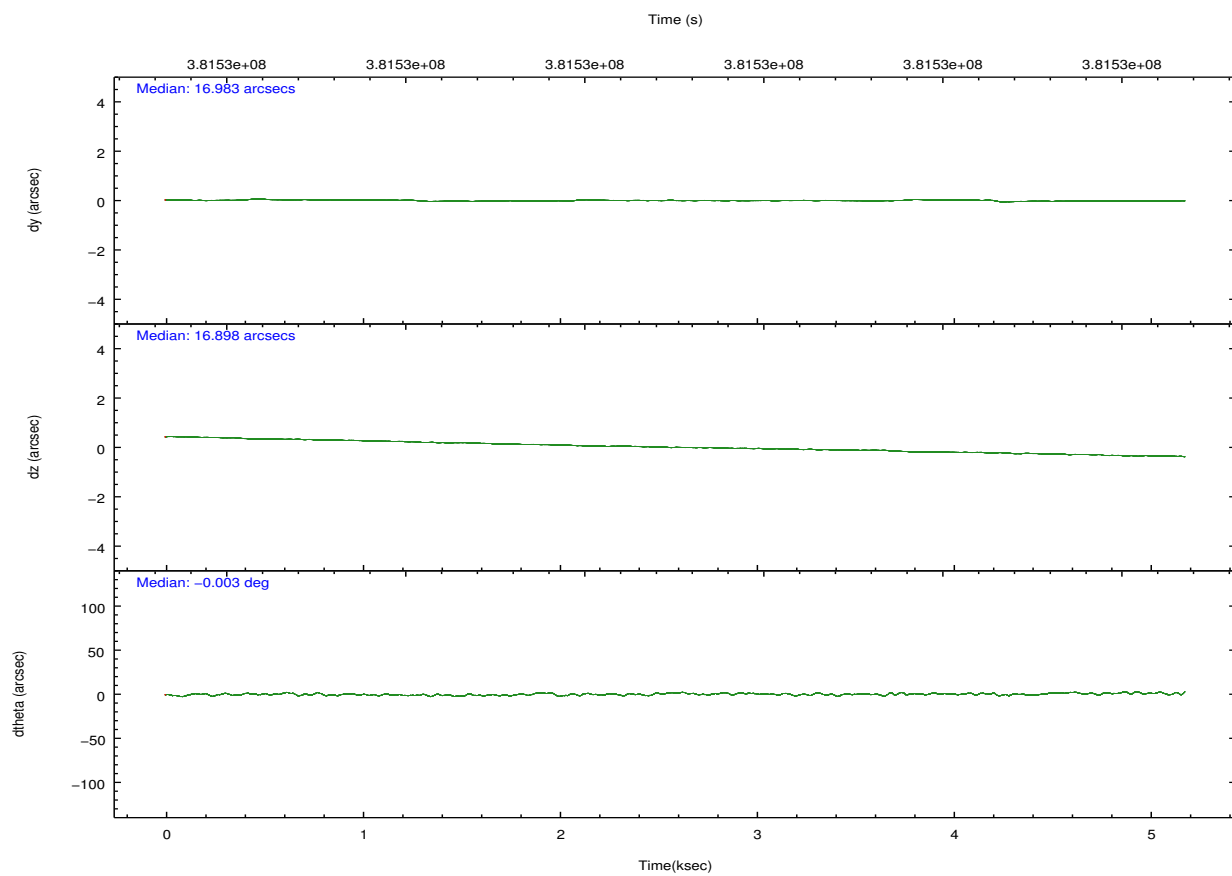
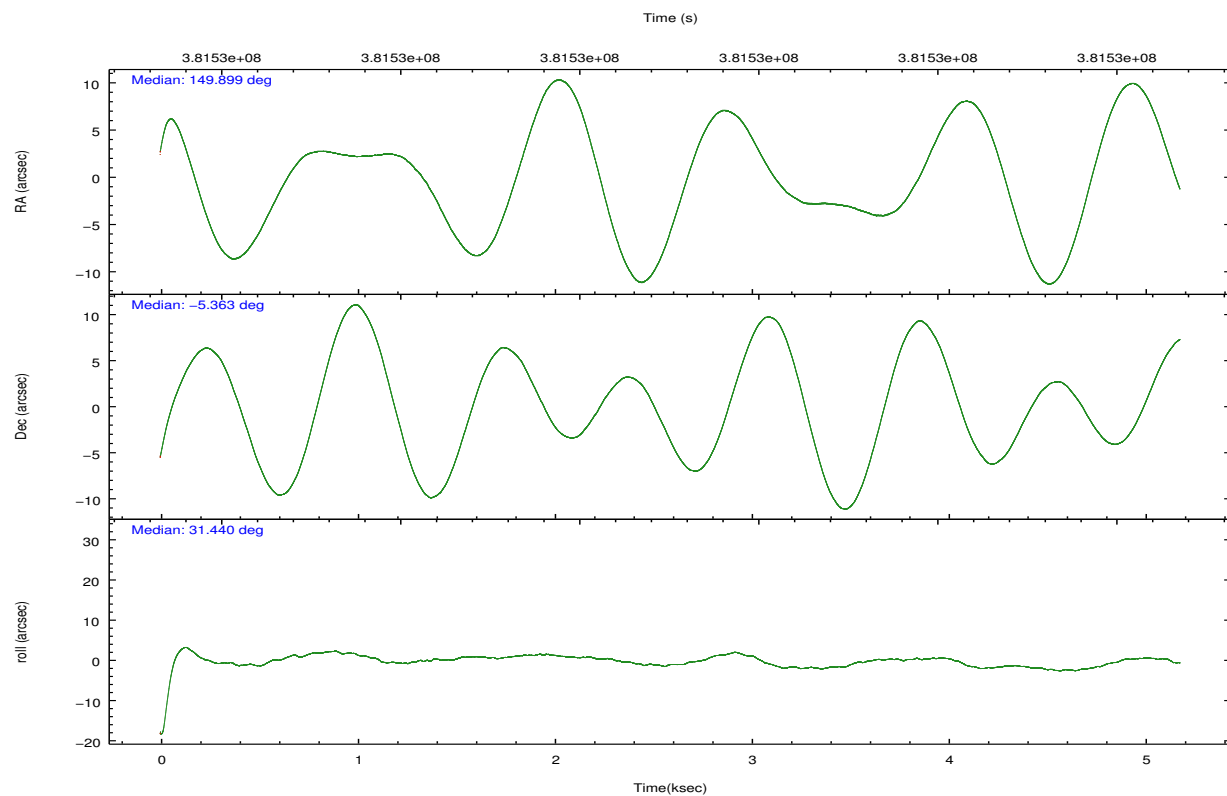
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1973	2270	2208	1920
	4%	4%	4%	3%
grade 1 events	29	40	35	32
	0%	0%	0%	0%
grade 2 events	1304	1345	1222	1084
	2%	2%	2%	2%
grade 3 events	548	616	554	527
	1%	1%	1%	1%
grade 4 events	542	618	538	534
	1%	1%	1%	1%
grade 5 events	1839	1941	1736	2073
	4%	4%	3%	4%
grade 6 events	1007	1176	983	987
	2%	2%	2%	2%
grade 7 events	37964	37948	40766	41108
	83%	82%	84%	85%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	149.886136	149.8992694111902	Subarray requested	NONE	NONE
[deg] Pointing Dec	-5.387033	-5.362778023224839	Alternating exposures requested	N	N
[deg] Pointing Roll	31.238993	31.44886516151263	[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)	381527082.184000	381525810.70515			
Observation start date	2010-02-02T19:43:36	2010-02-02T19:23:30			
[s] Observation end time (MET)	381532083.184000	381532312.79298			
Observation end date	2010-02-02T21:06:57	2010-02-02T21:11:52			
Read mode	TIMED	TIMED			

2.3 Aspect



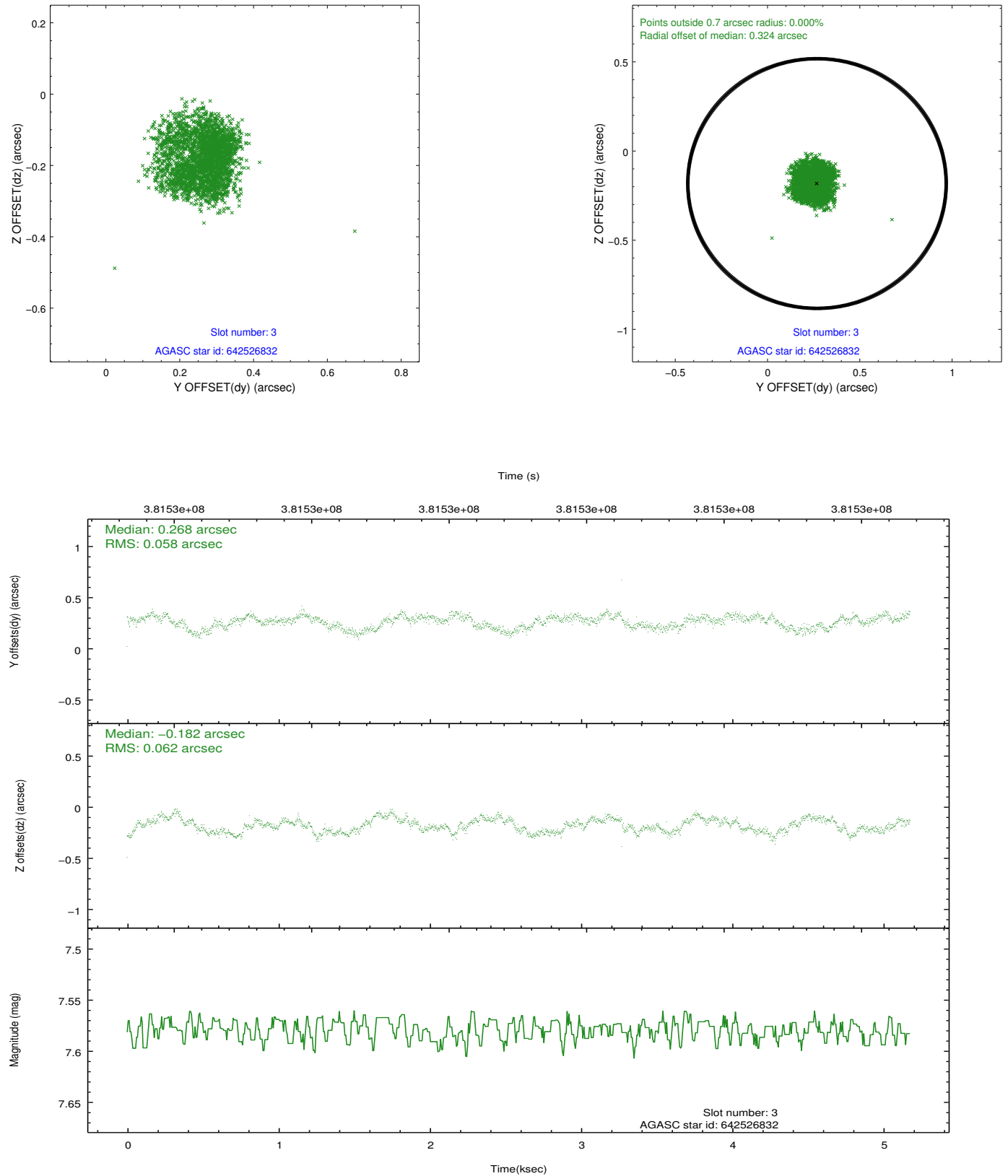


Slot Statistics

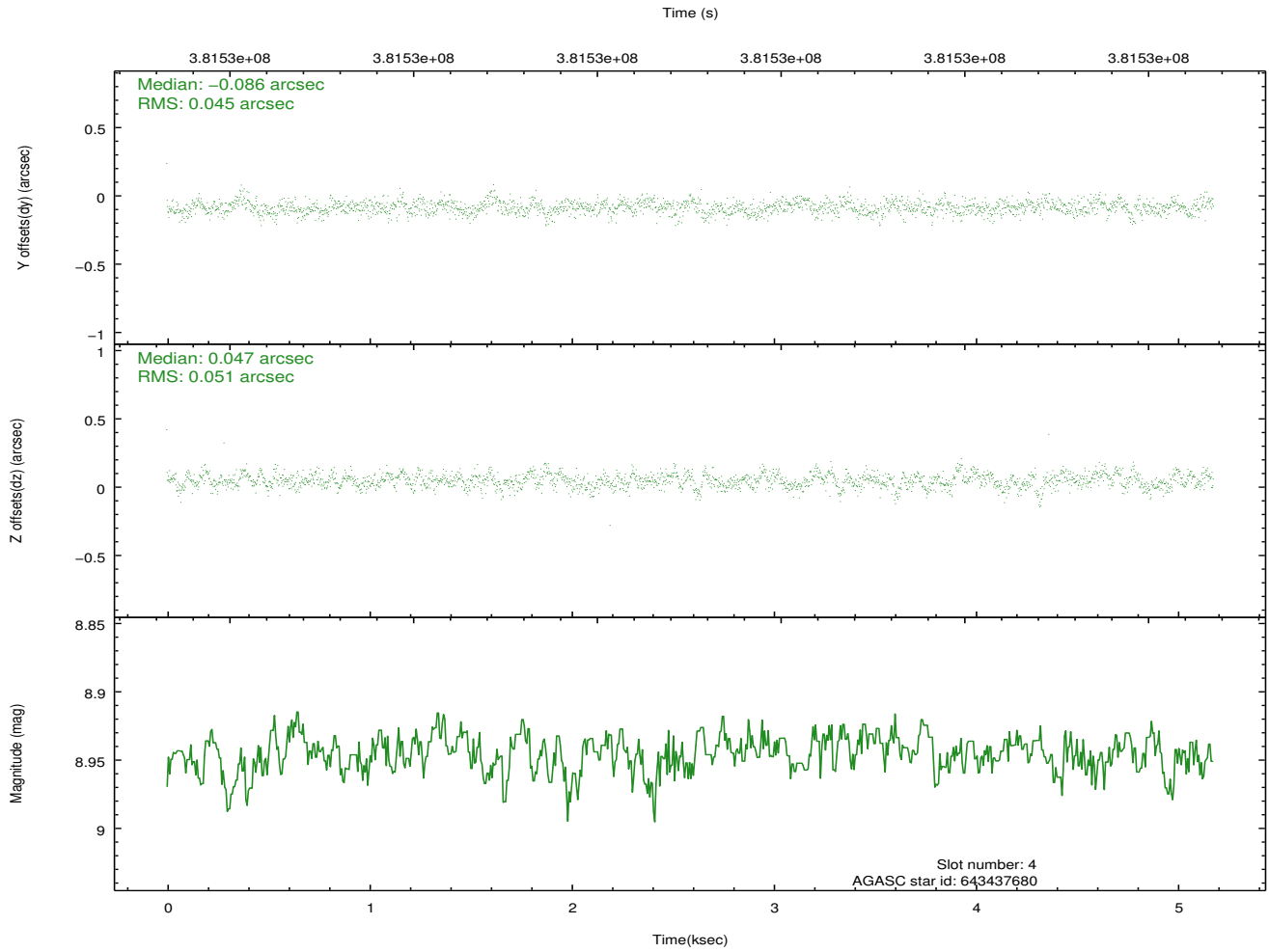
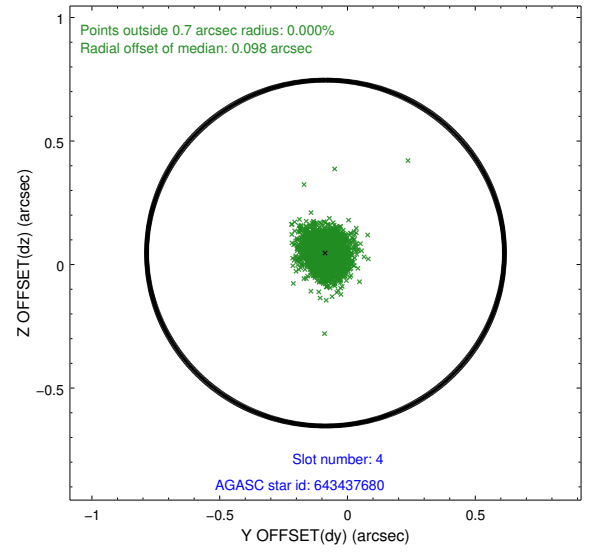
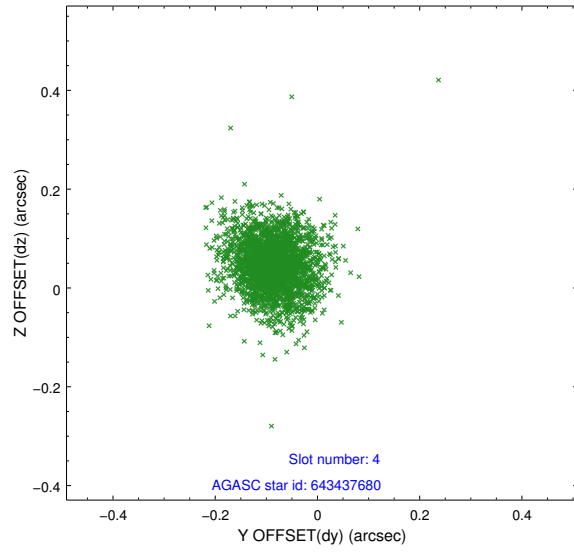
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	1264	-0.083	-0.037	0.009	0.015	0.000000	0.000000	922.35	-840.59
1	FID	ACIS-I-2	6.93	1263	-0.152	-0.066	0.007	0.019	0.000000	0.000000	-771.16	-847.67
2	FID	ACIS-I-4	6.95	1263	0.137	0.170	0.007	0.020	0.000000	0.000000	2141.89	1058.84
3	GUIDE	642526832	7.58	2527	0.268	-0.182	0.093	0.137	149.186269	-5.364725	-2103.83	1368.19
4	GUIDE	643437680	8.95	2524	-0.086	0.047	0.071	0.119	150.468796	-5.706114	1187.60	-2064.13
5	GUIDE	643446096	9.26	2523	-0.018	0.028	0.130	0.207	150.290113	-5.803352	460.43	-2032.54
6	GUIDE	642522984	8.65	2526	-0.142	0.104	0.071	0.116	149.320499	-5.182668	-1353.08	1679.28
7	GUIDE	643438848	8.19	2526	-0.019	0.012	0.066	0.105	150.442281	-5.127828	2187.79	-235.45

2.4 Star Slots

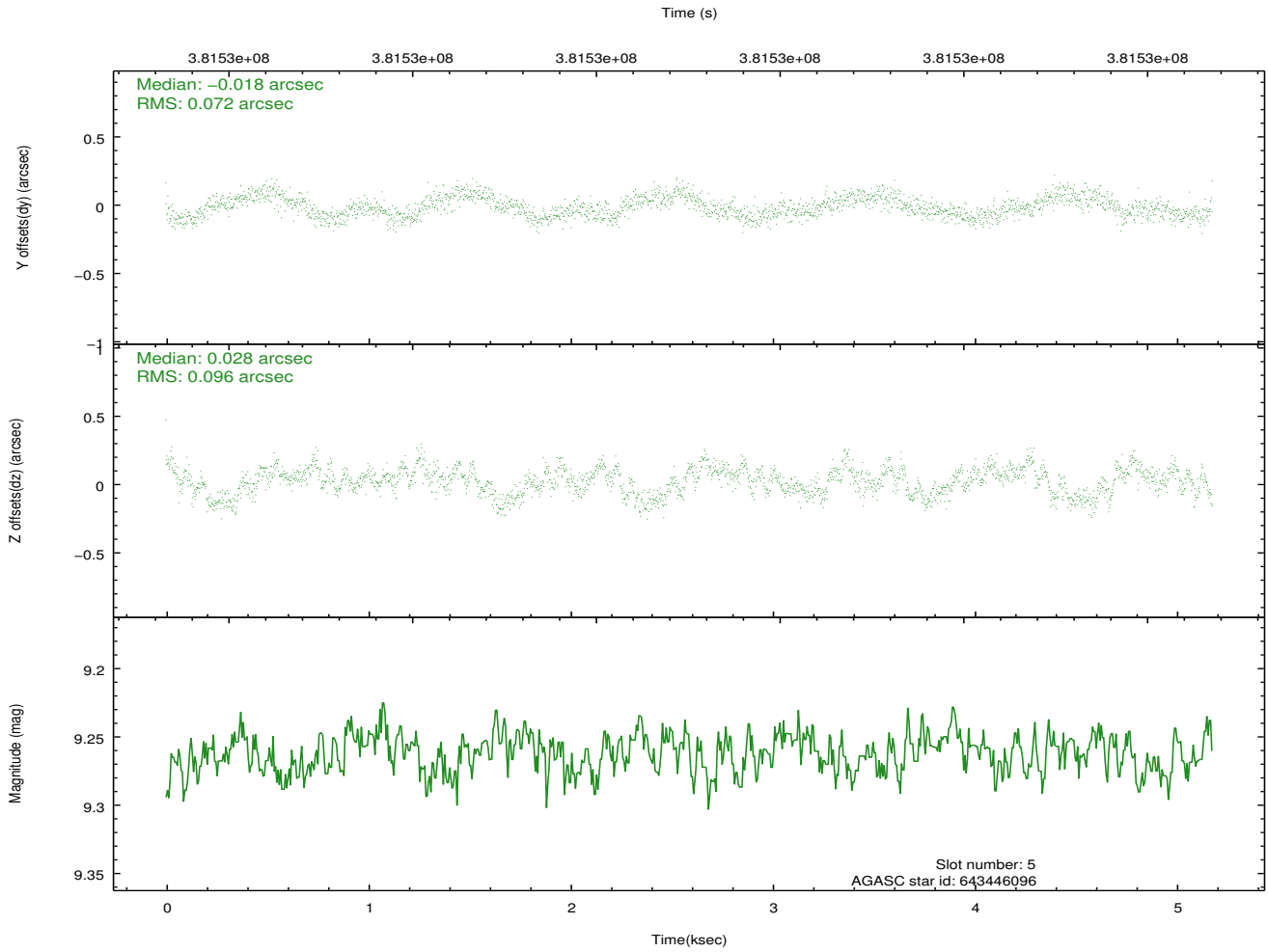
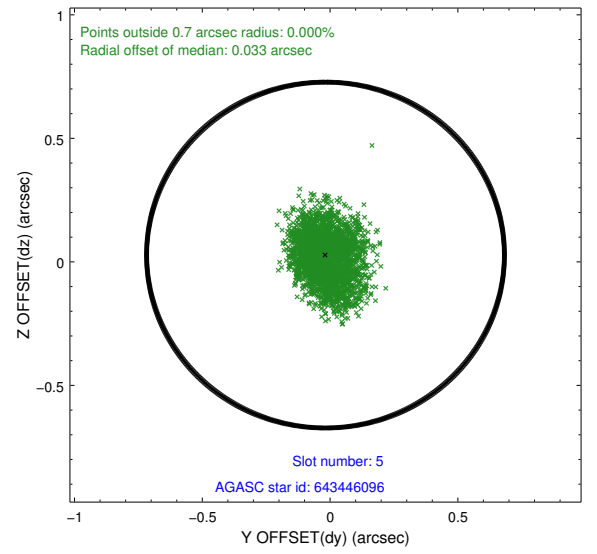
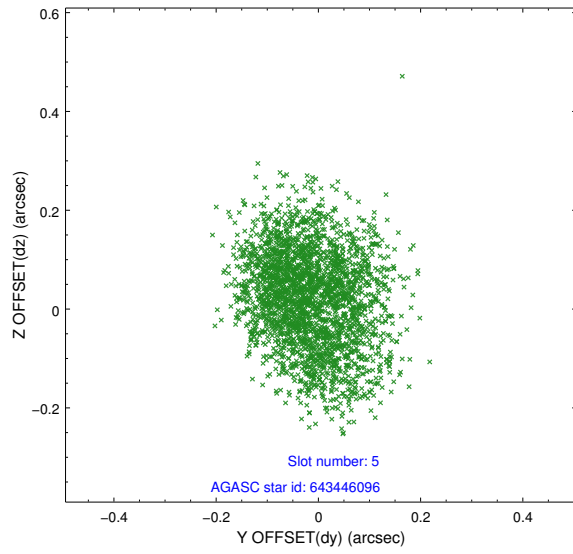
2.4.1 Slot 3



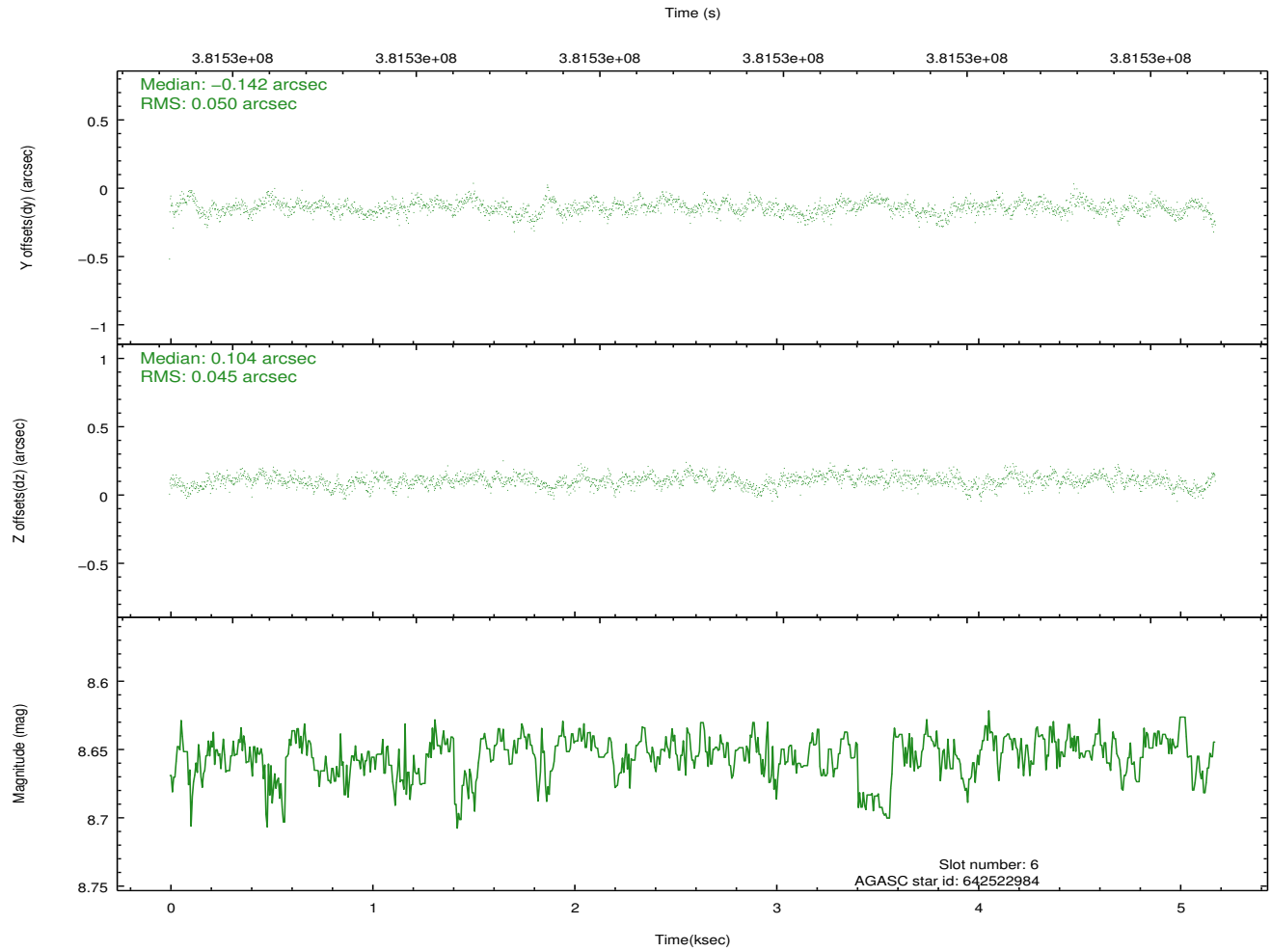
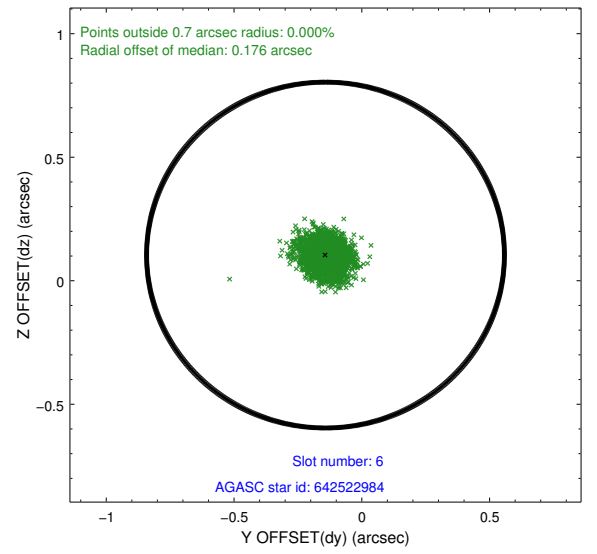
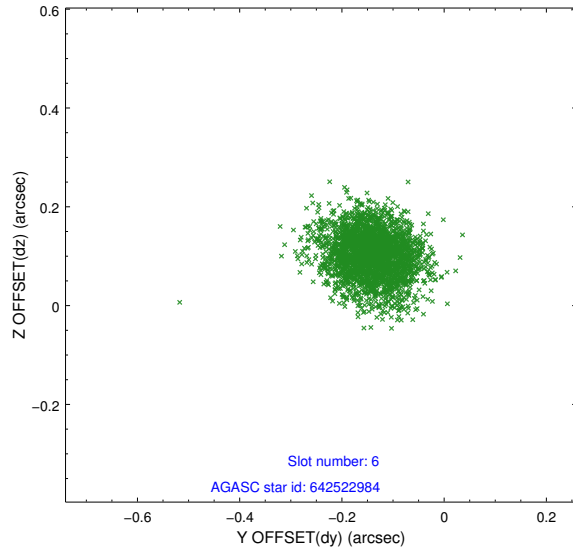
2.4.2 Slot 4



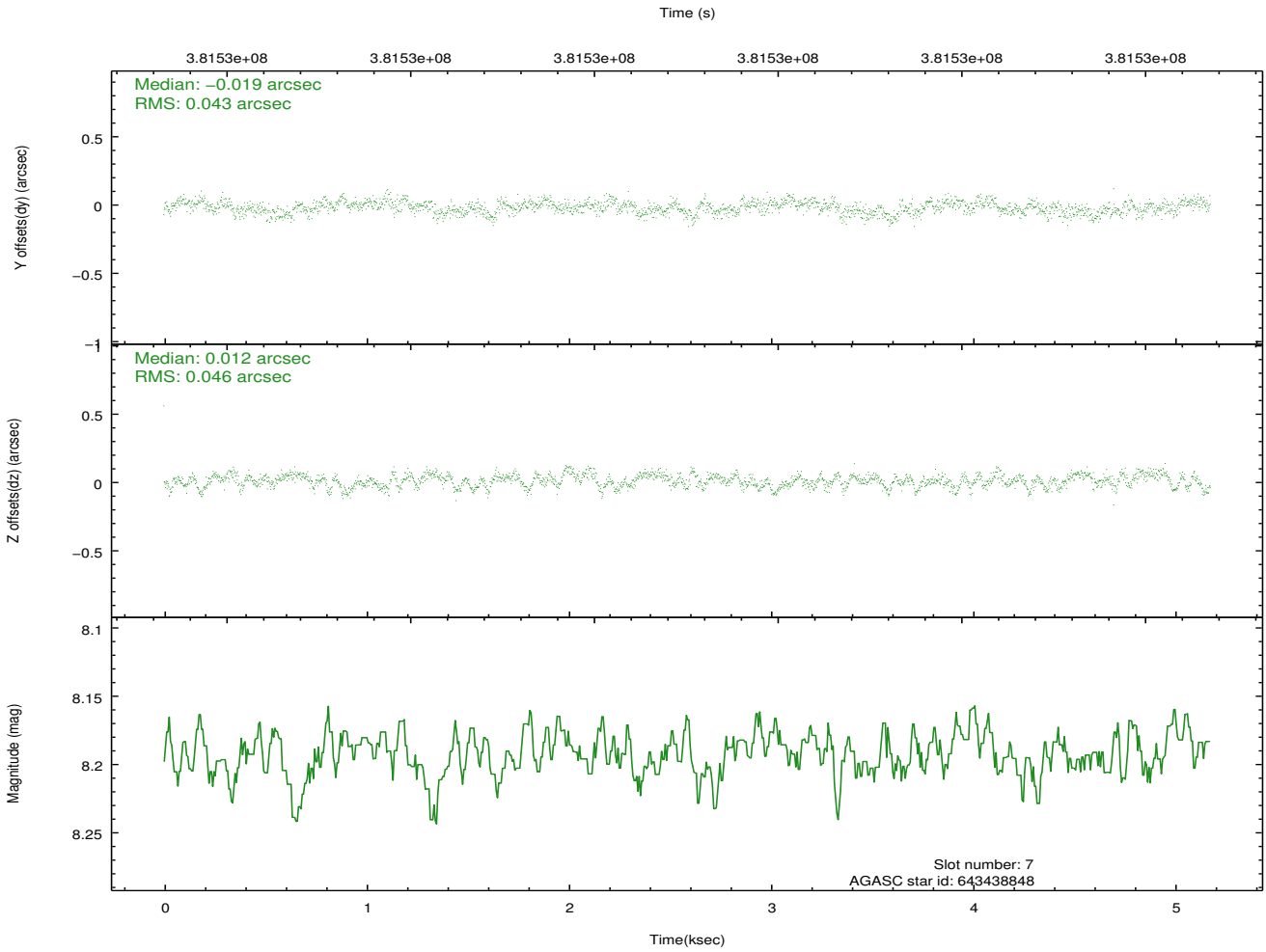
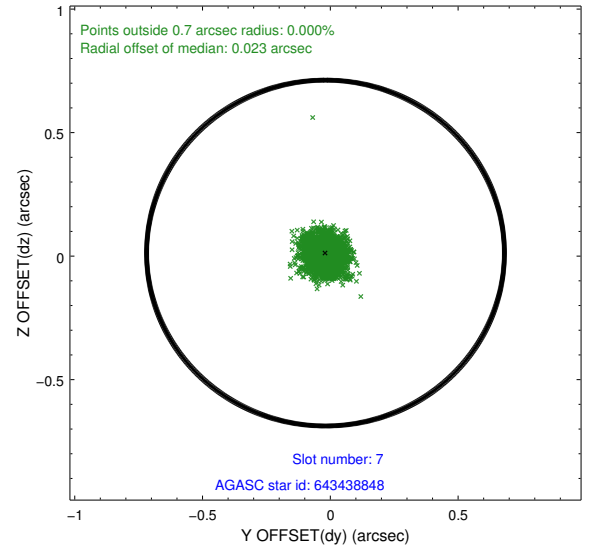
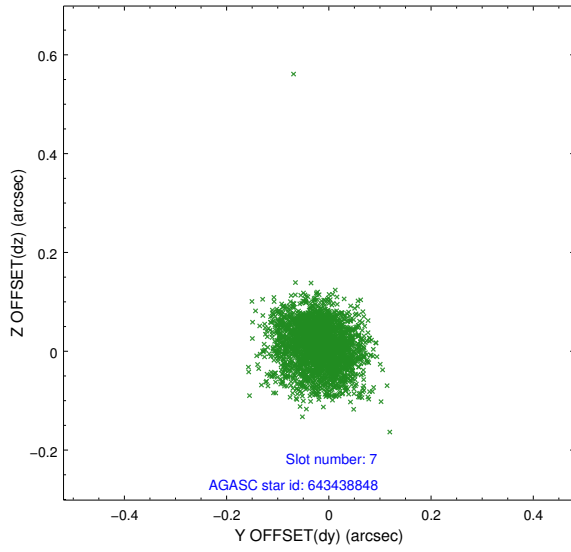
2.4.3 Slot 5



2.4.4 Slot 6

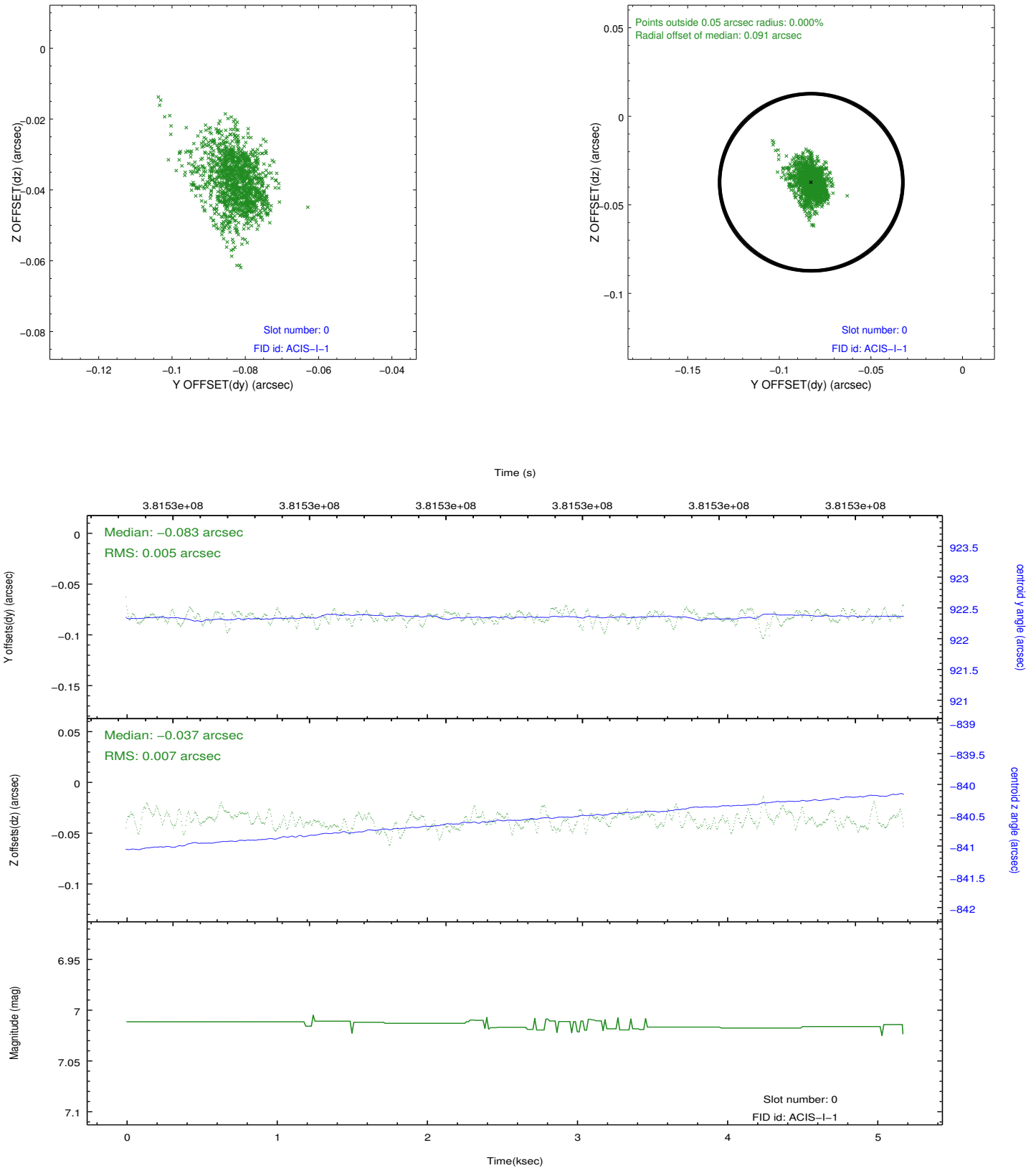


2.4.5 Slot 7

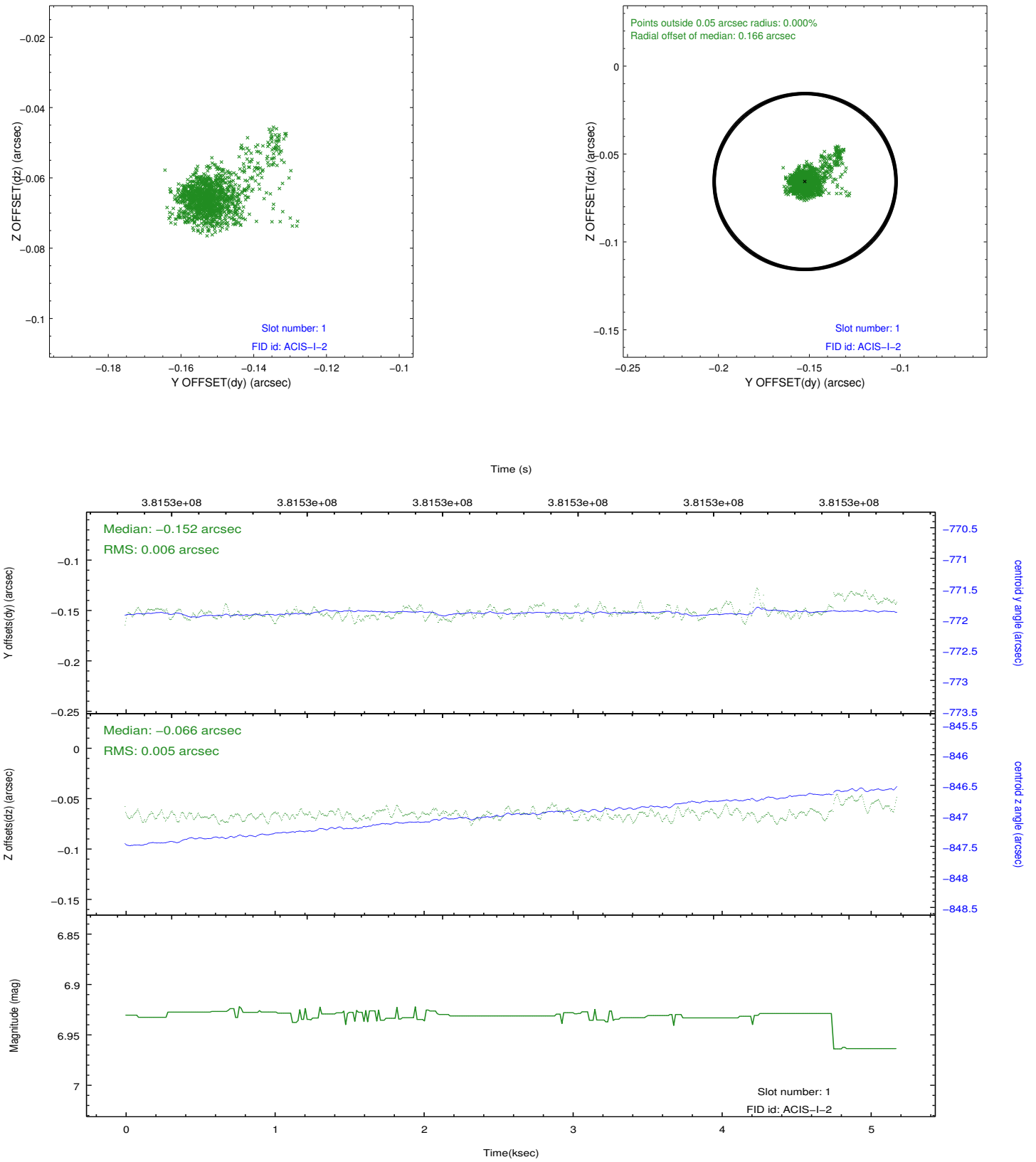


2.5 FID Slots

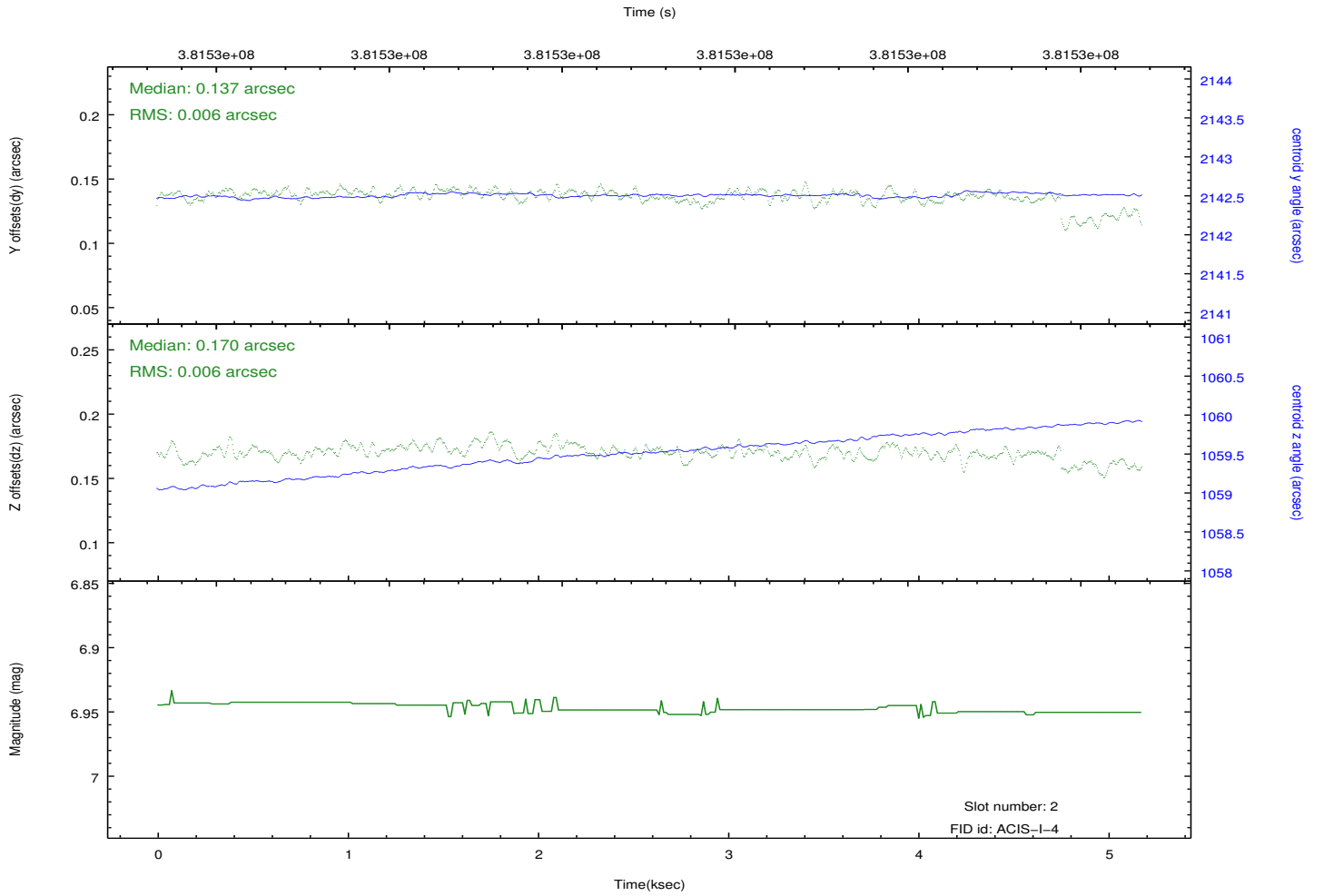
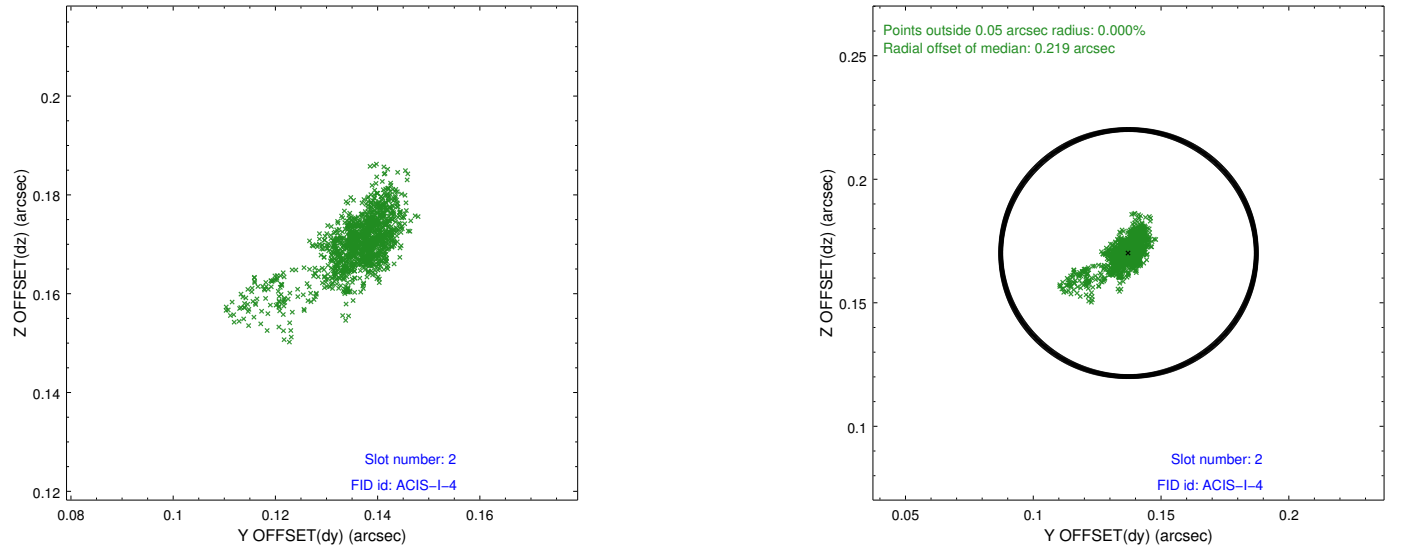
2.5.1 Slot 0



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)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1708000397682

A.2 Comments