

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11621 - L2 Version 2
Chandra X-Ray Center

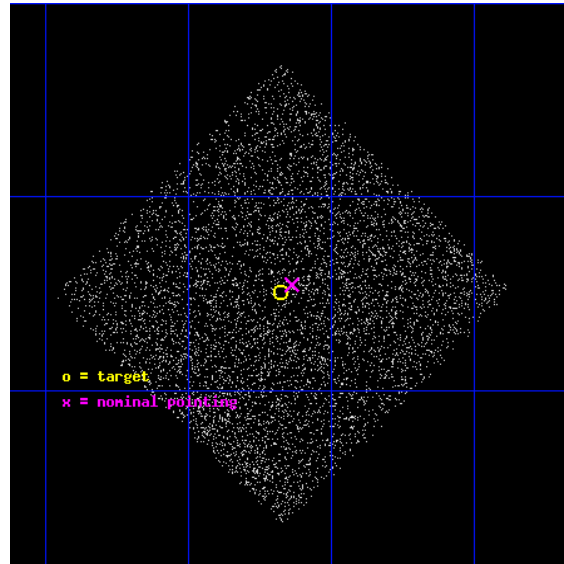
L2 Processing Date : Jun 19 2012

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1 Front

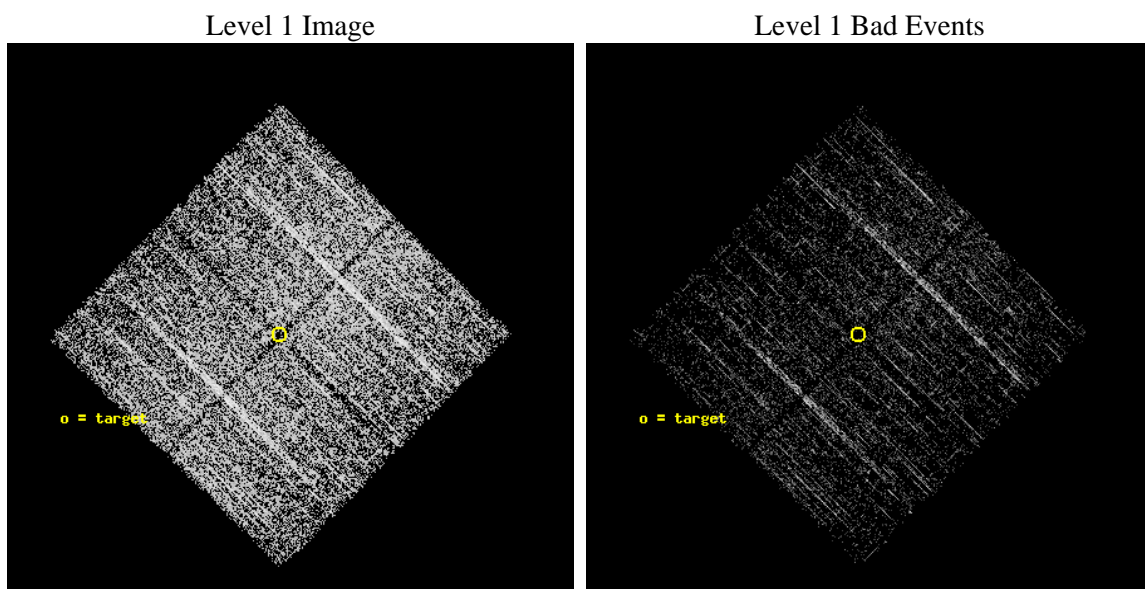
seq_num	702207	Sequence number
obs_id	11621	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_m1702	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.669583	Observer's specified target RA [deg]
dec_targ	-4.082472	Observer's specified target Dec [deg]
ra_nom	148.65979746291	Nominal RA [deg]
dec_nom	-4.0757442718204	Nominal Dec [deg]
roll_nom	44.510785735983	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2473.8000190258	Sum of GTIs [s]
livetime	2441.4780005922	Livetime [s]
ontime0	2473.8000190258	Sum of GTIs [s]
ontime1	2473.8000190258	Sum of GTIs [s]
ontime2	2473.8000190258	Sum of GTIs [s]
ontime3	2473.8000190258	Sum of GTIs [s]
l2events	7159	Number of level 2 events



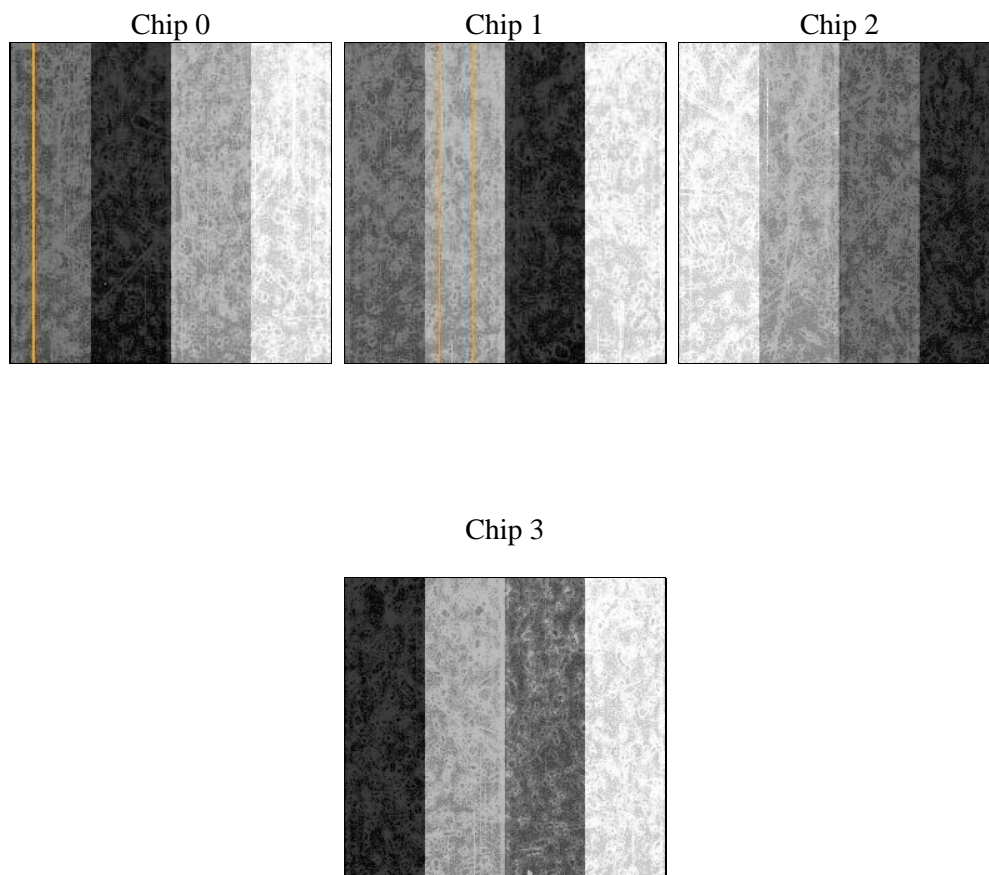
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2680.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2473.8000190258	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	2473.8000190258	Sum of GTIs [s]
date	2012-06-19T22:59:51	Date and time of file creation	ontime1	2473.8000190258	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2473.8000190258	Sum of GTIs [s]
			ontime3	2473.8000190258	Sum of GTIs [s]
			l1events	80433	Number of level 1 events

2.1.4 Events

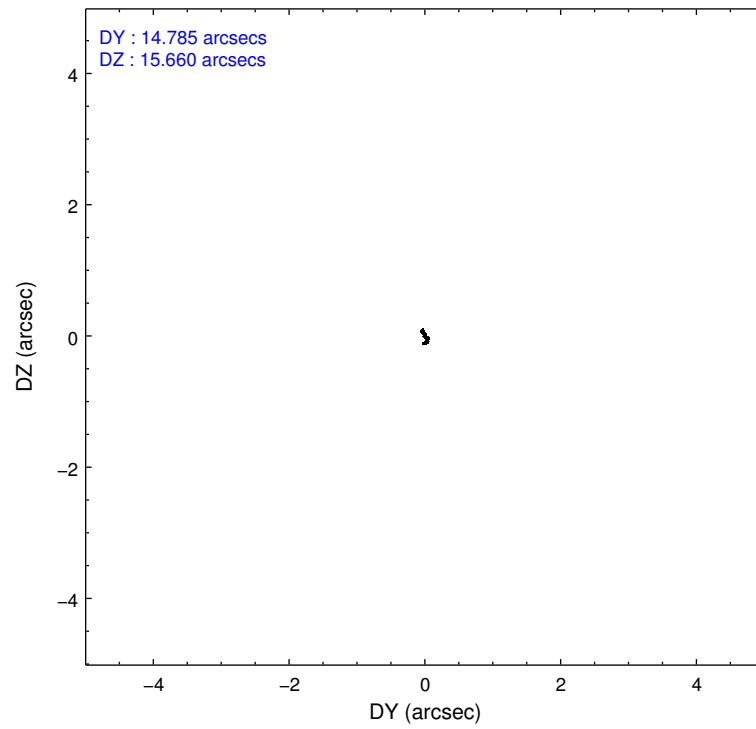
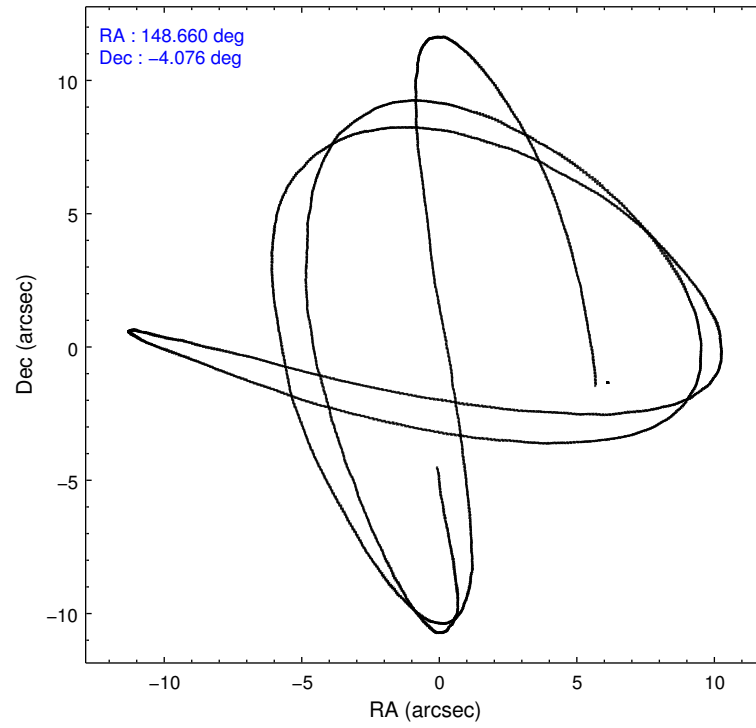
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	18268	19750	20994	21421
rejected events	16192	17348	18885	19356
rejected %	88%	87%	89%	90%

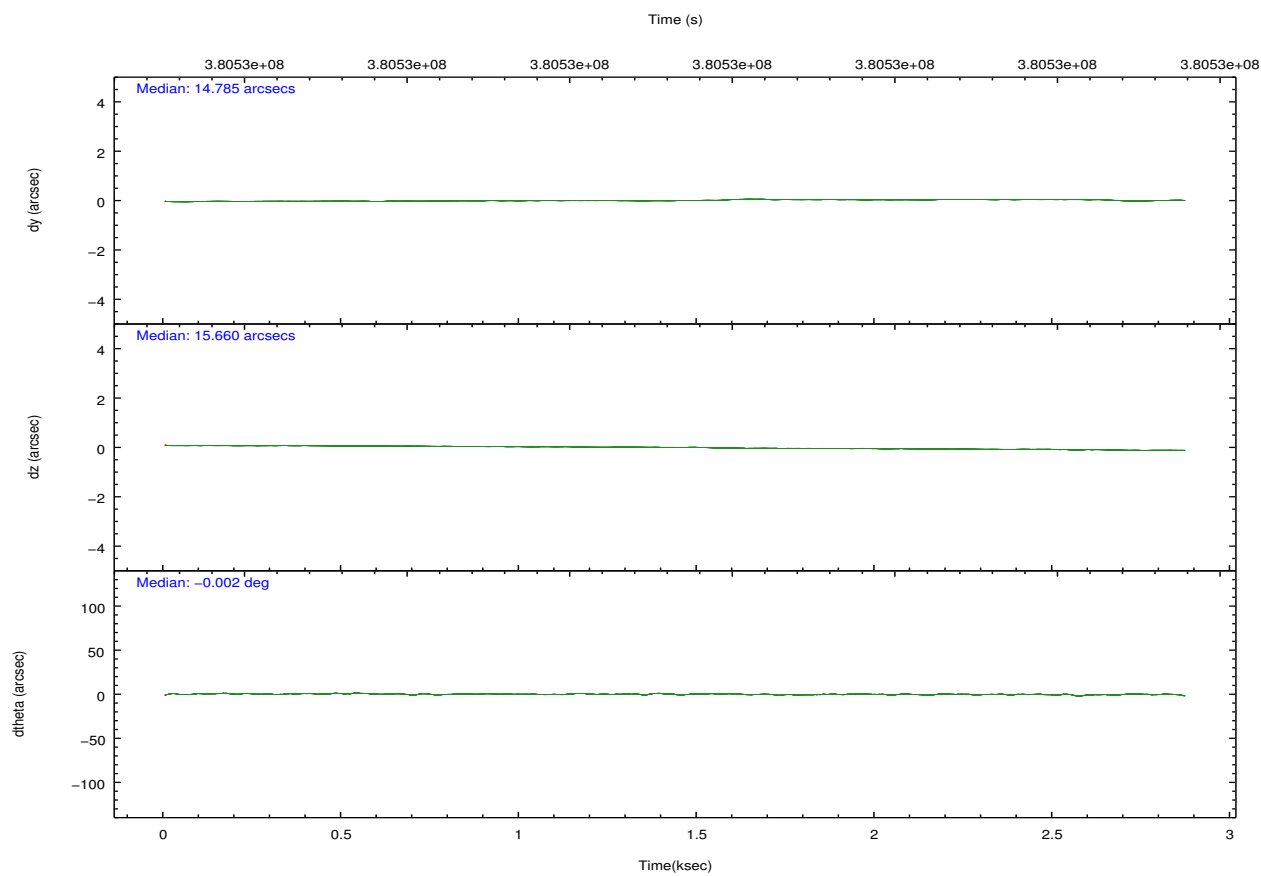
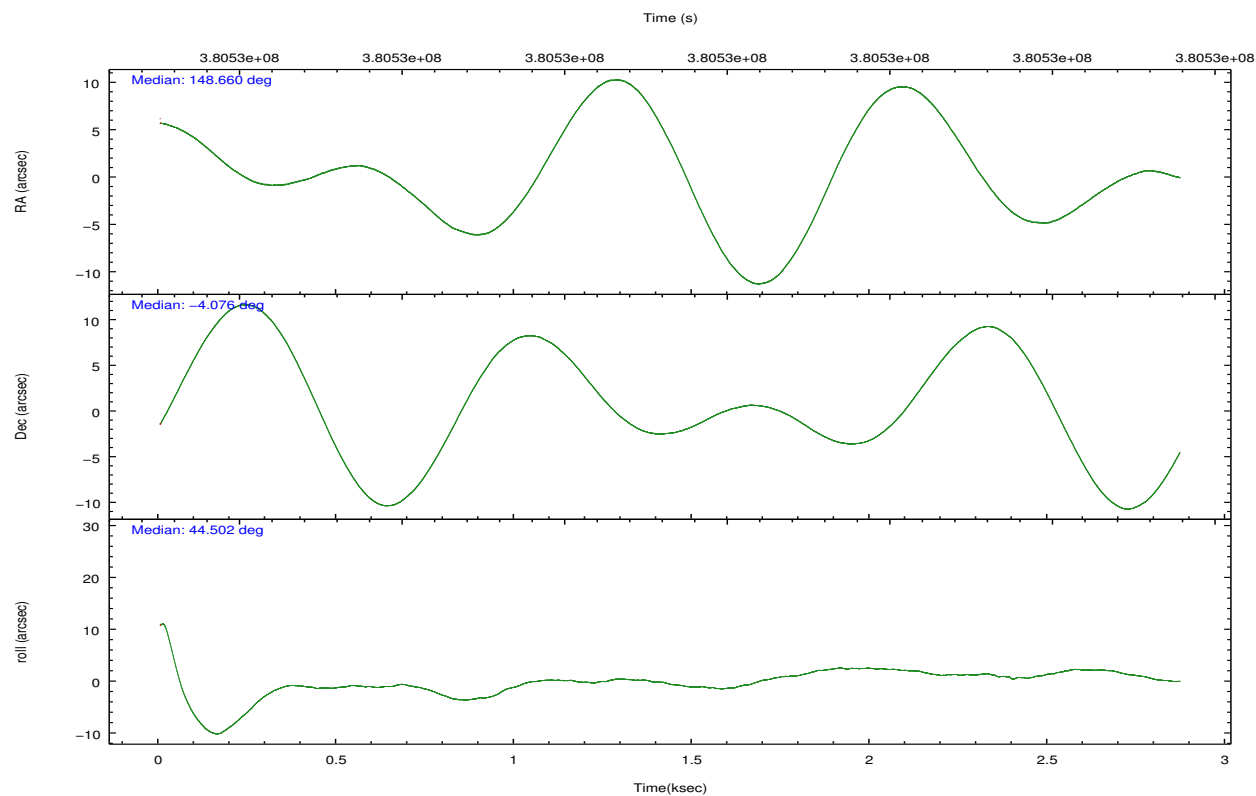
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	694	820	766	703
	3%	4%	3%	3%
grade 1 events	15	12	14	7
	0%	0%	0%	0%
grade 2 events	492	533	530	491
	2%	2%	2%	2%
grade 3 events	241	242	216	219
	1%	1%	1%	1%
grade 4 events	225	271	215	223
	1%	1%	1%	1%
grade 5 events	844	878	753	880
	4%	4%	3%	4%
grade 6 events	428	539	384	429
	2%	2%	1%	2%
grade 7 events	15329	16455	18116	18469
	83%	83%	86%	86%

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	148.652563	148.6597974629066	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.102298	-4.075744271820394	Alternating exposures requested	N	N
[deg] Pointing Roll	44.301494	44.51078573598309	[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)	380528578.184000	380528173.02962			
Observation start date	2010-01-22T06:21:52	2010-01-22T06:16:13			
[s] Observation end time (MET)	380531258.184000	380531392.55478			
Observation end date	2010-01-22T07:06:32	2010-01-22T07:09:52			
Read mode	TIMED	TIMED			

2.3 Aspect



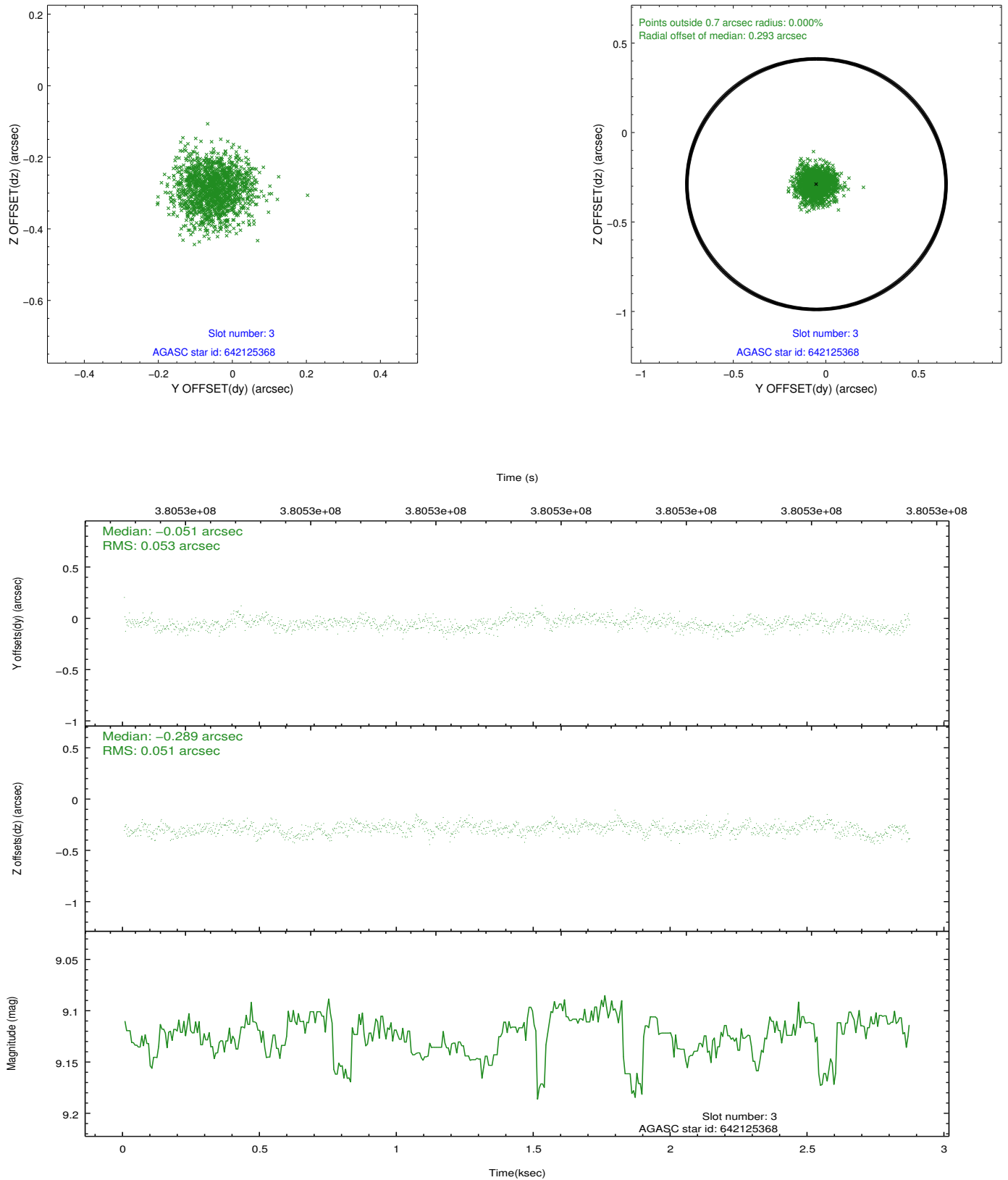


Slot Statistics

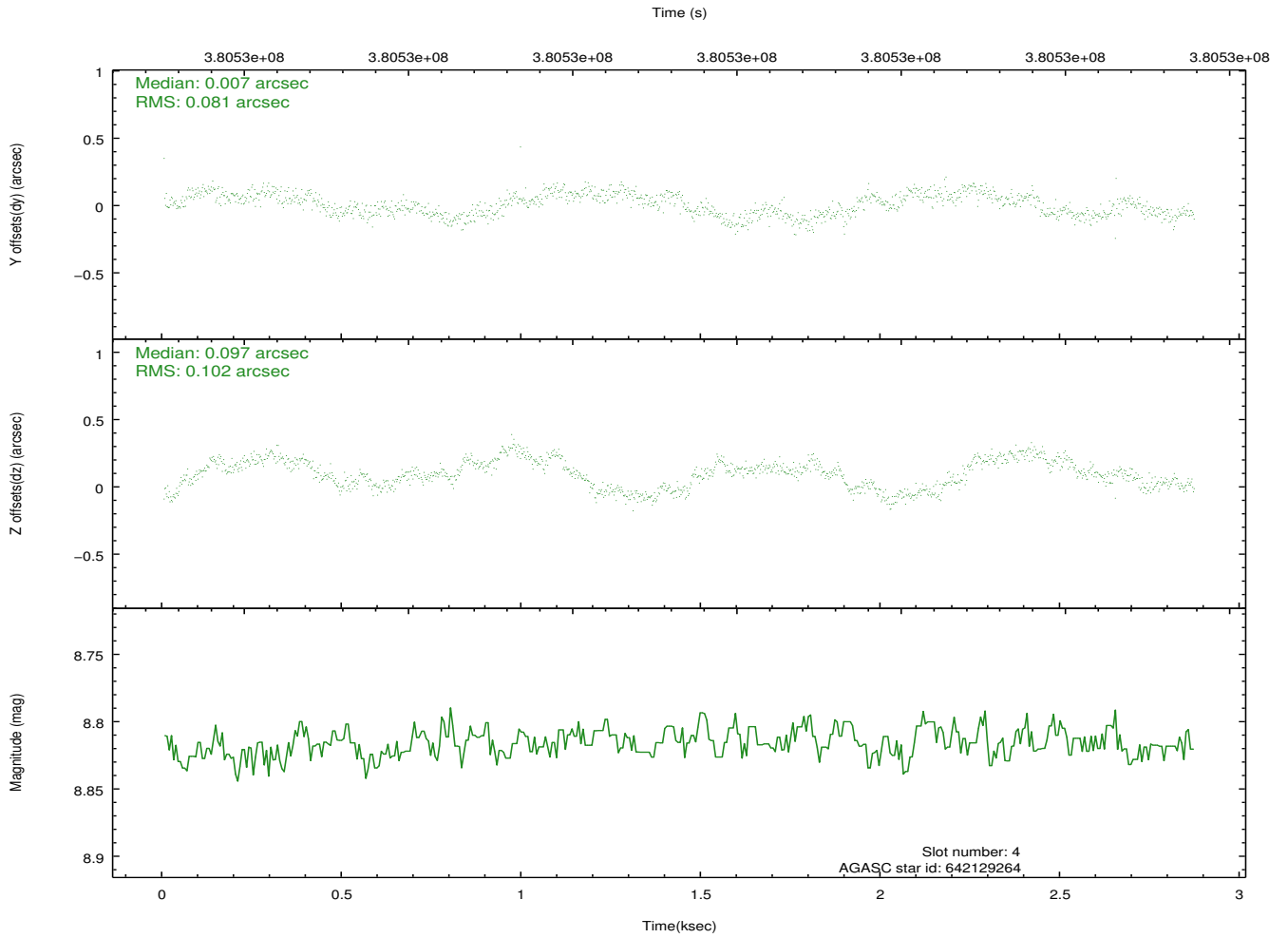
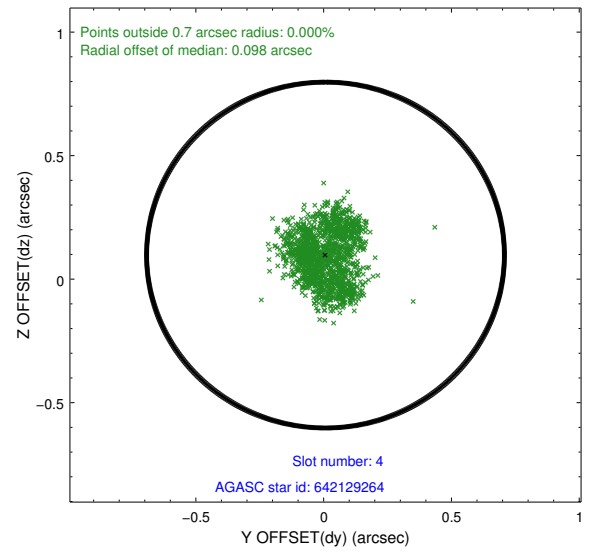
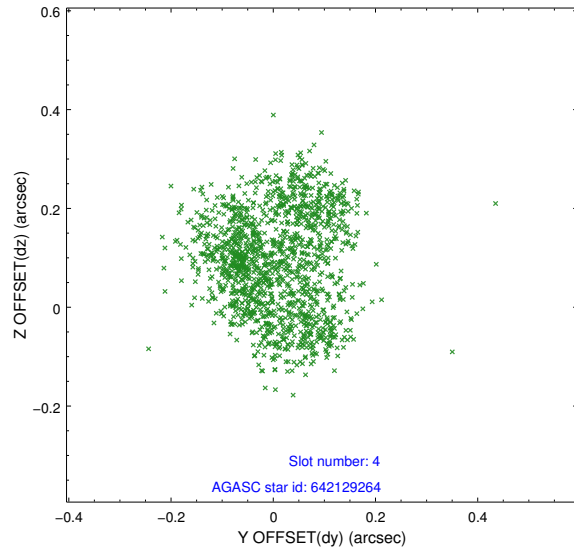
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	700	0.055	-0.039	0.006	0.012	0.000000	0.000000	924.73	-839.31
1	FID	ACIS-I-5	7.02	700	-0.229	0.050	0.006	0.011	0.000000	0.000000	-1822.43	1057.15
2	FID	ACIS-I-6	7.03	700	0.083	0.060	0.006	0.011	0.000000	0.000000	387.87	1704.20
3	GUIDE	642125368	9.12	1400	-0.051	-0.289	0.078	0.126	148.607933	-3.372962	1719.13	1991.00
4	GUIDE	642129264	8.82	1399	0.007	0.097	0.145	0.205	149.024669	-3.808427	1696.55	-174.41
5	GUIDE	642129392	8.69	1396	-0.018	0.050	0.097	0.150	149.116448	-3.838560	1856.76	-485.14
6	GUIDE	642130912	7.96	1400	0.109	0.013	0.091	0.140	148.633475	-4.436114	-886.42	-812.78
7	GUIDE	642132784	8.97	1399	-0.046	0.124	0.085	0.143	149.290749	-4.224375	1331.98	-1916.42

2.4 Star Slots

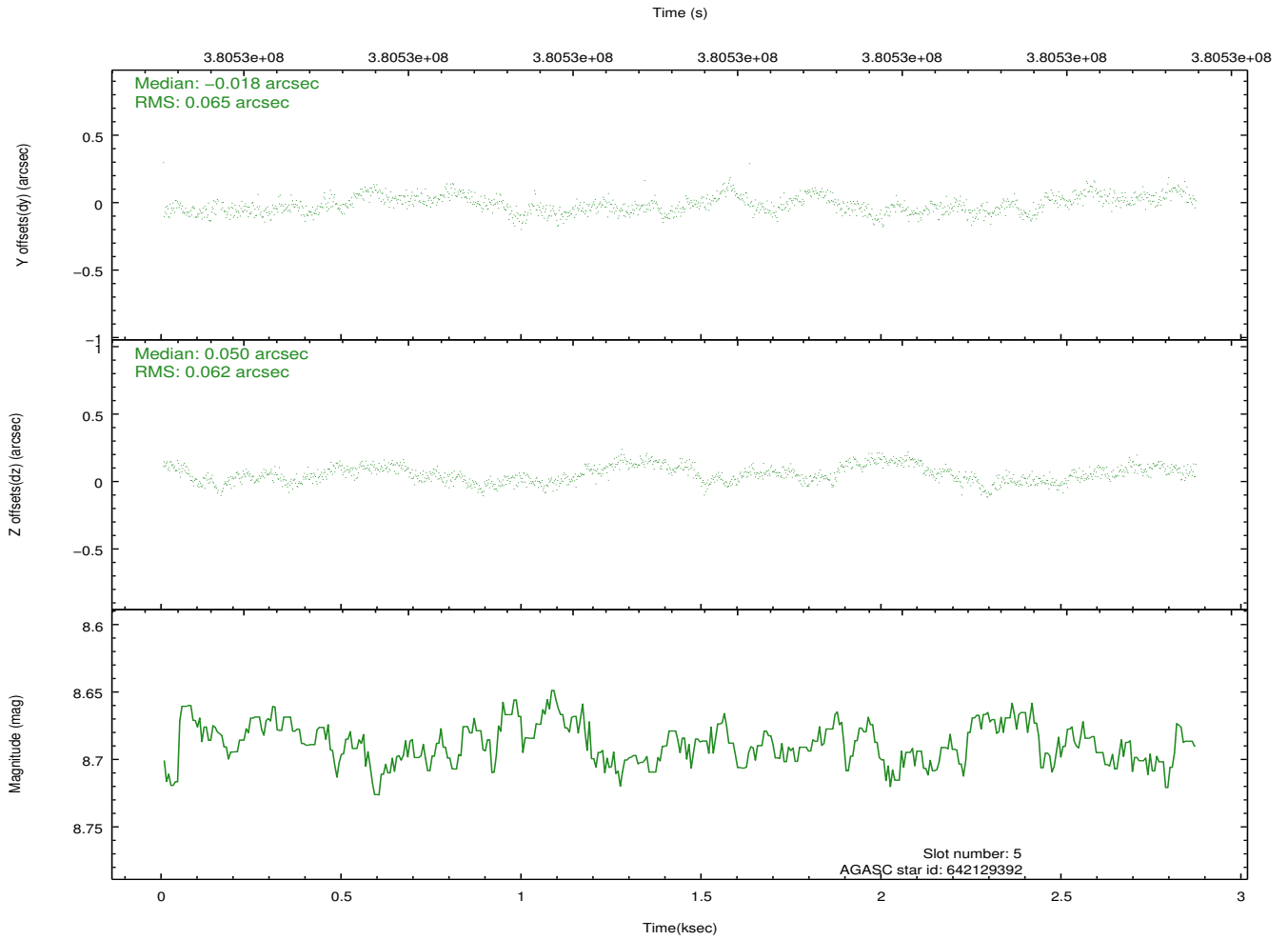
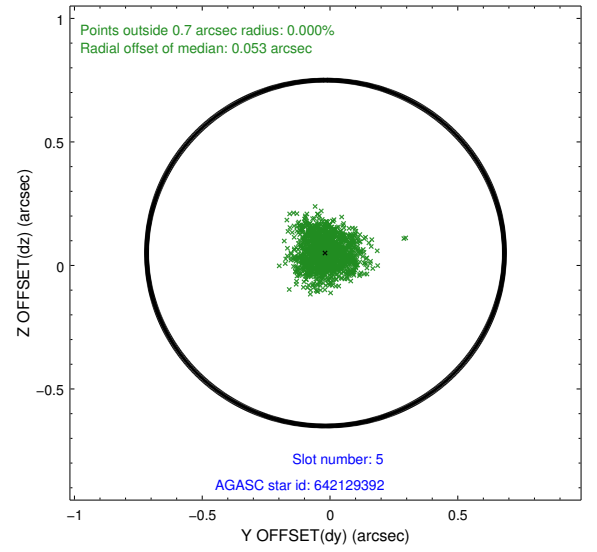
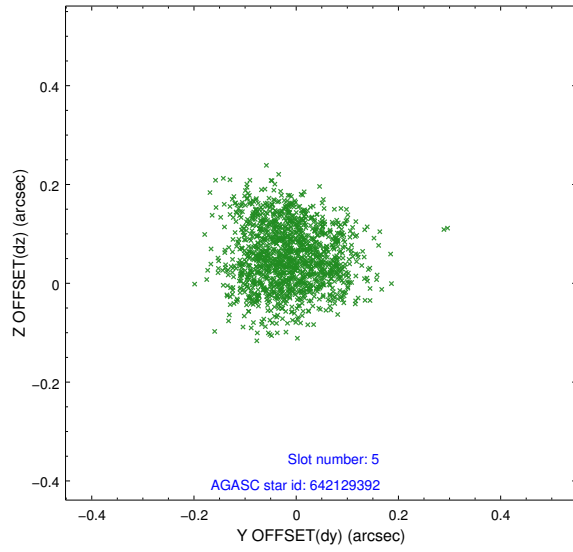
2.4.1 Slot 3



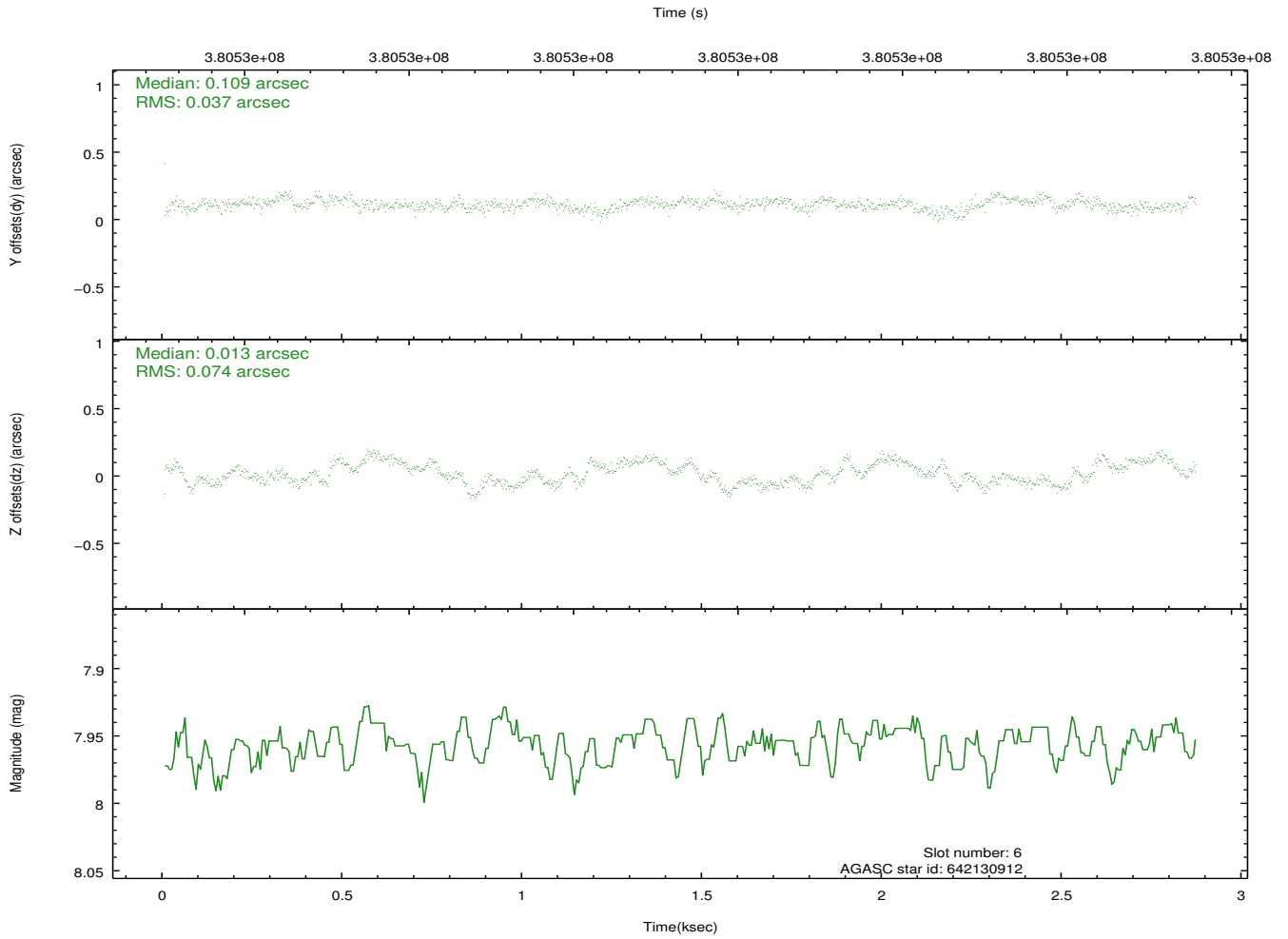
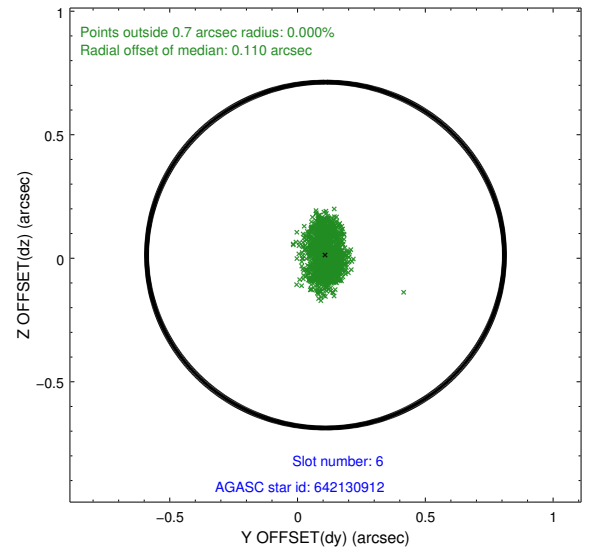
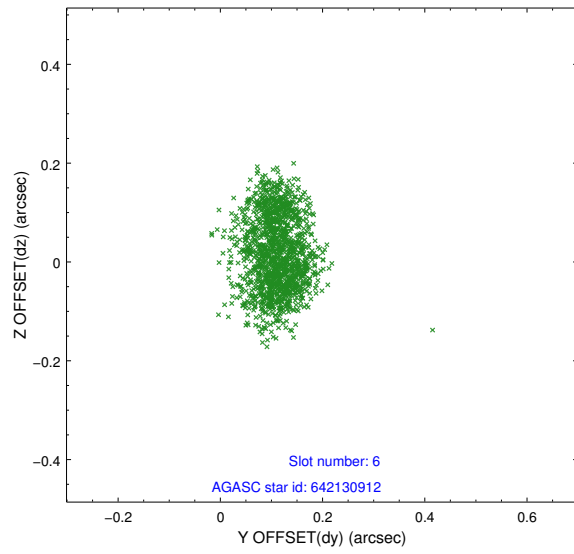
2.4.2 Slot 4



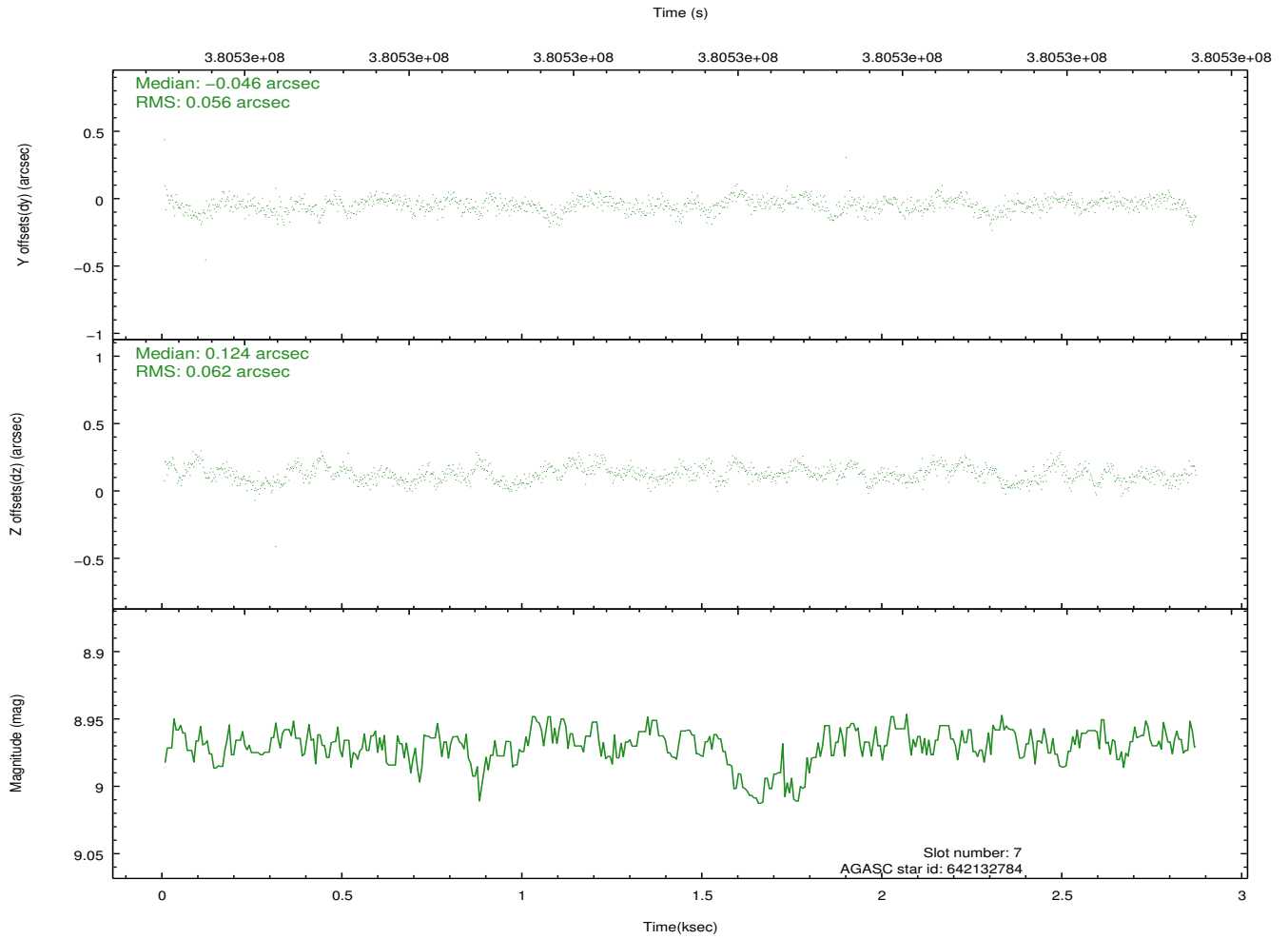
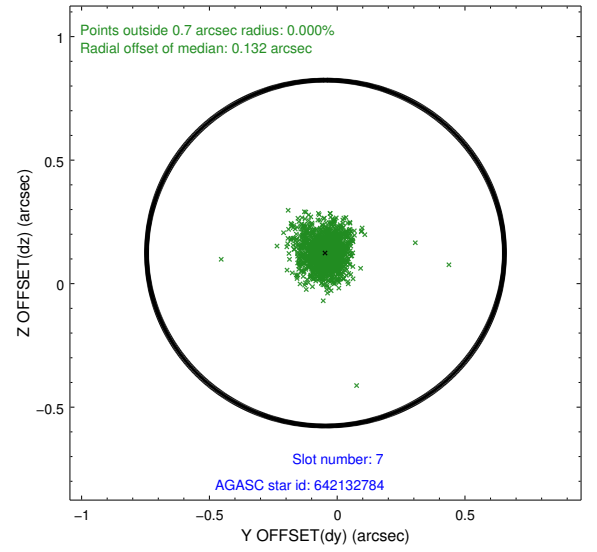
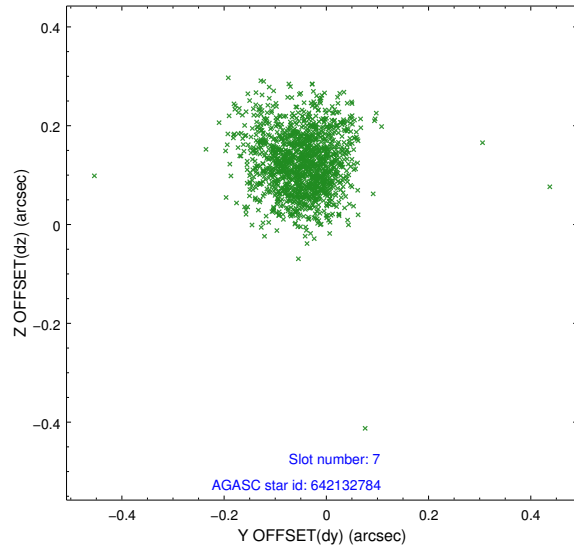
2.4.3 Slot 5



2.4.4 Slot 6

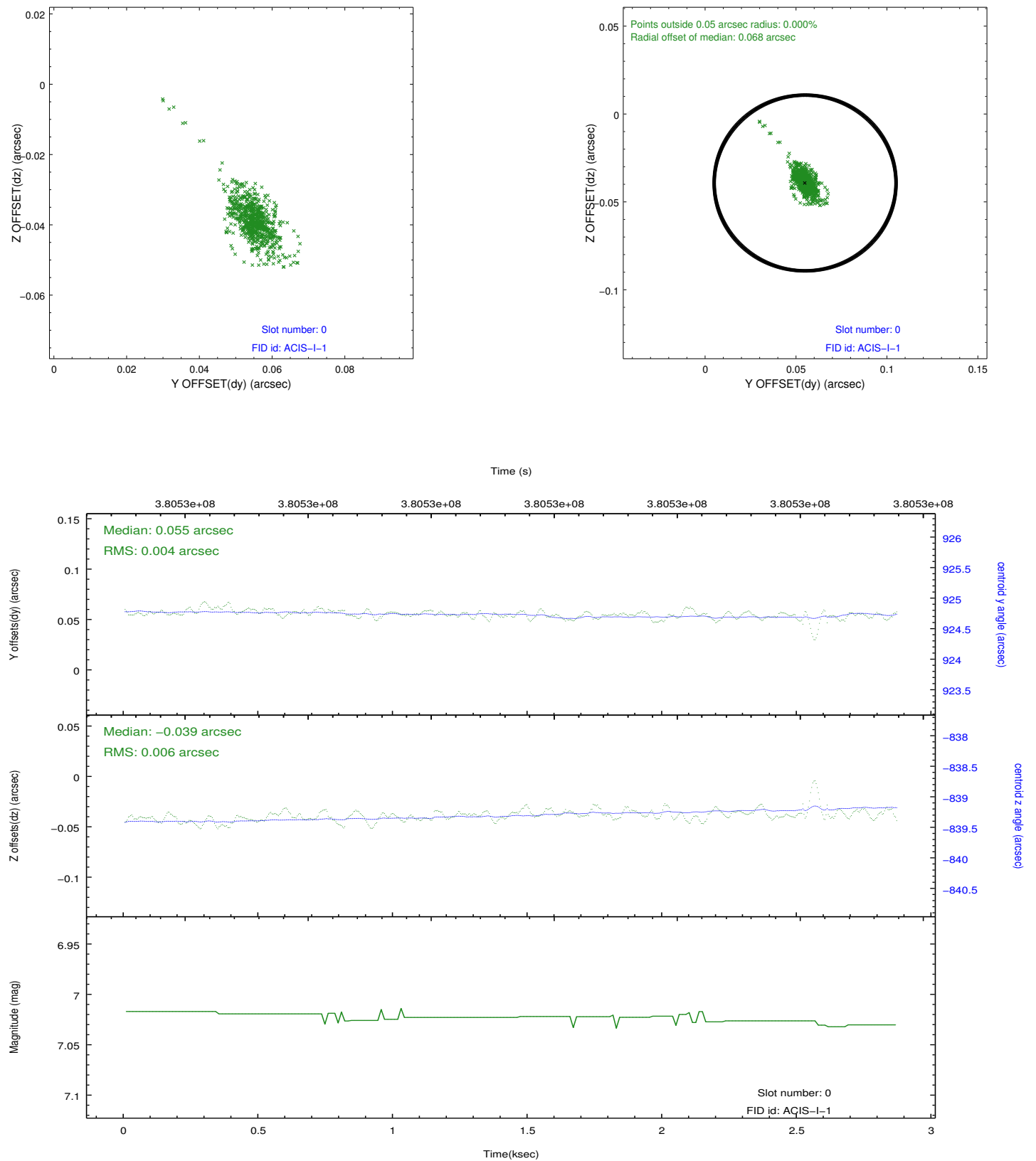


2.4.5 Slot 7

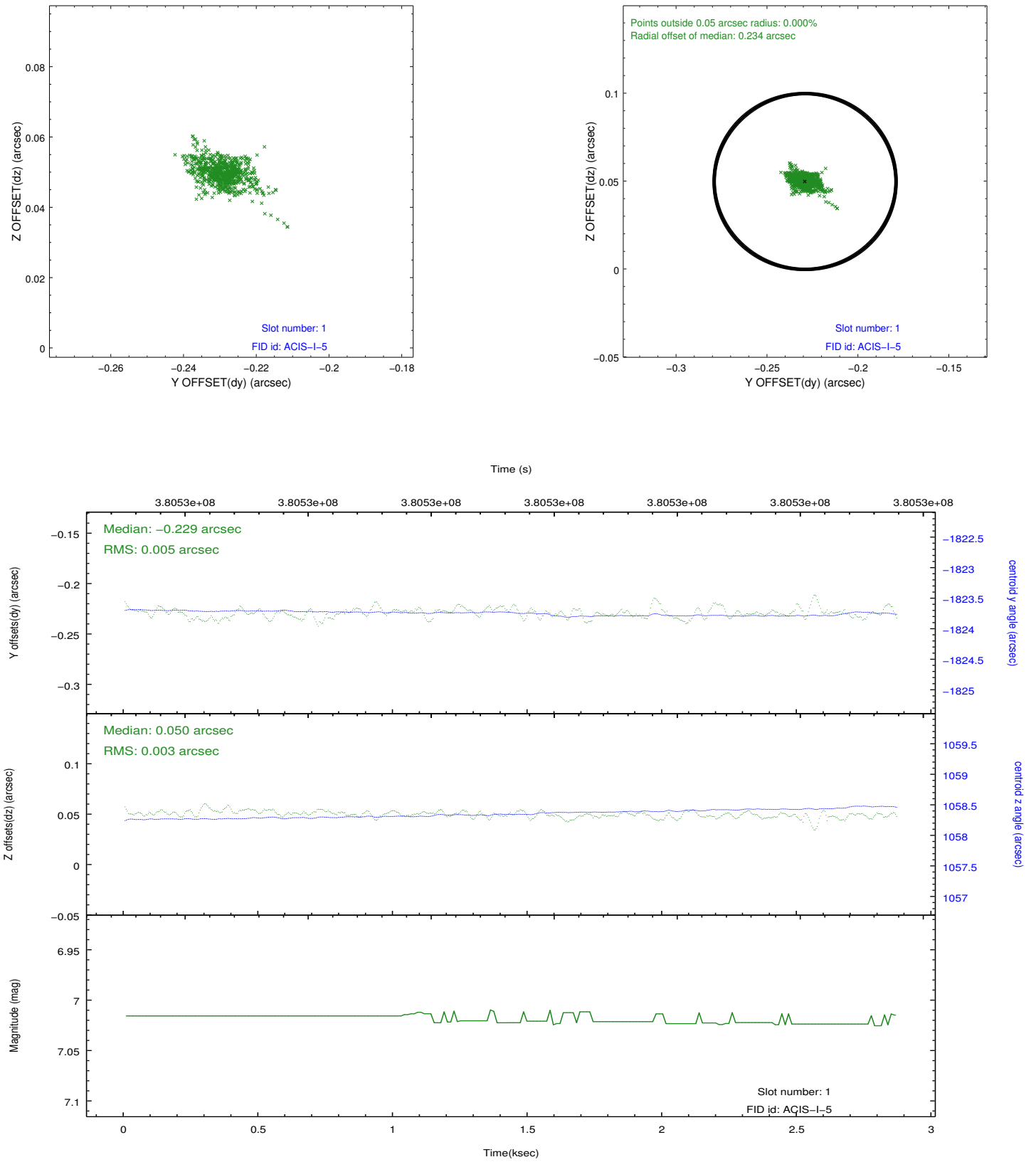


2.5 FID Slots

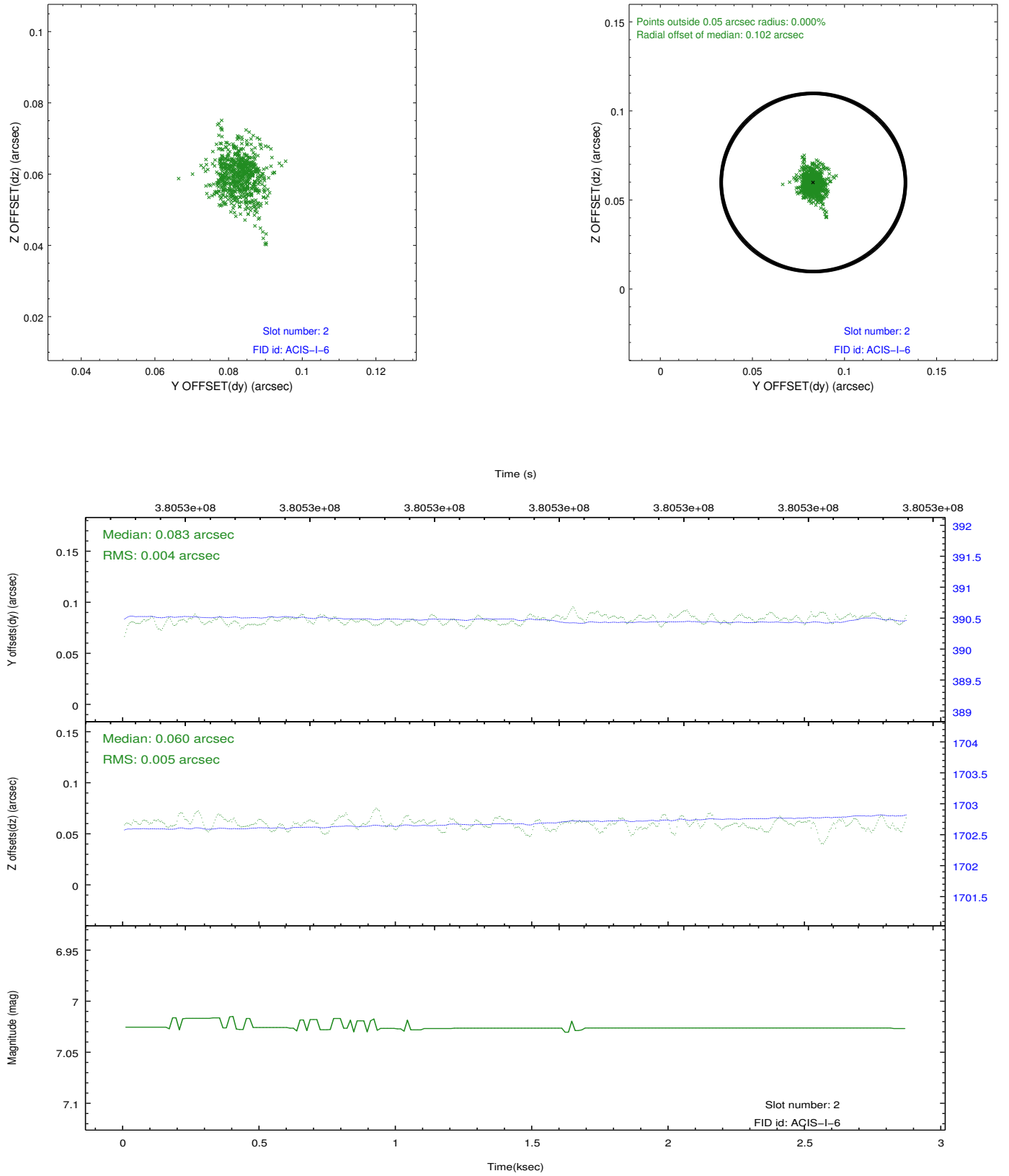
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.4738000190258

A.2 Comments