

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11620 - L2 Version 2
Chandra X-Ray Center

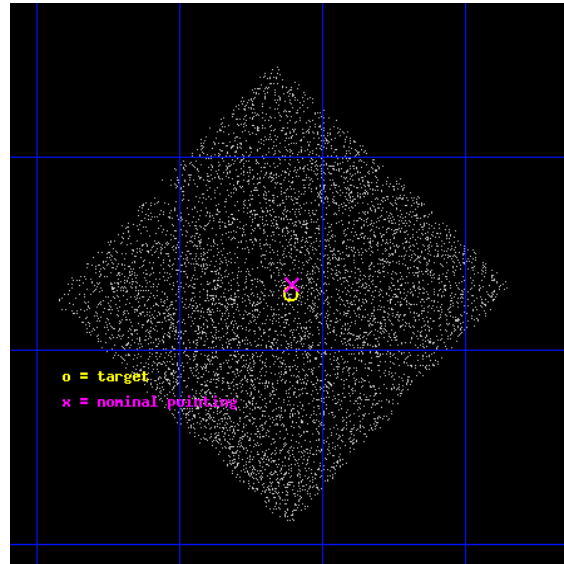
L2 Processing Date : Jun 19 2012

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1 Front

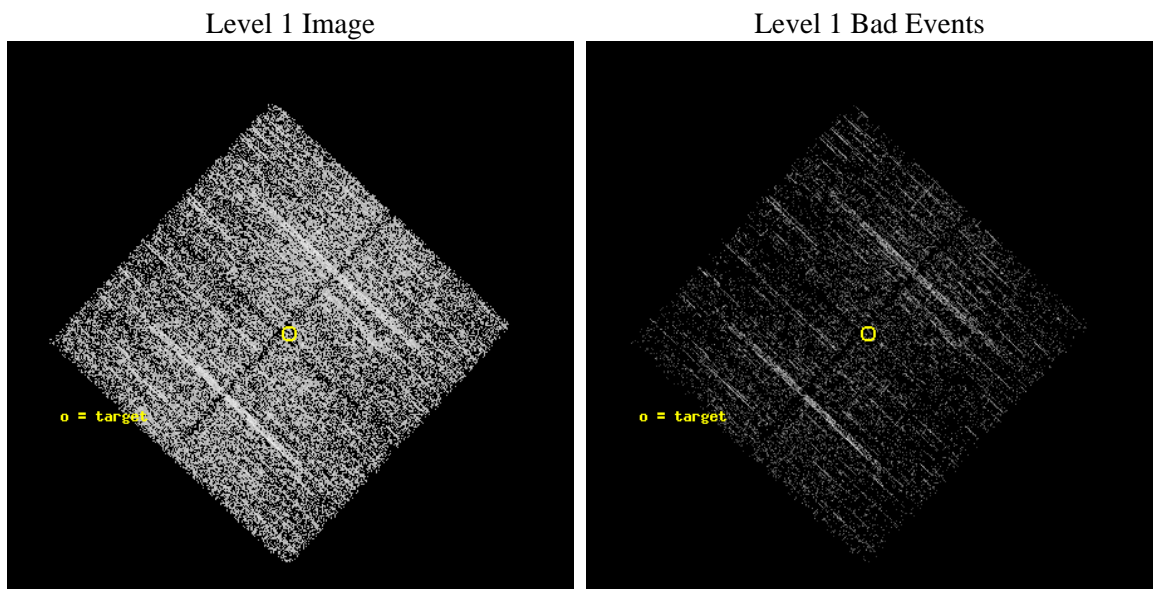
seq_num	702206	Sequence number
obs_id	11620	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_m1610	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.403333	Observer's specified target RA [deg]
dec_targ	-5.118167	Observer's specified target Dec [deg]
ra_nom	148.40205594443	Nominal RA [deg]
dec_nom	-5.1102308091464	Nominal Dec [deg]
roll_nom	43.197244759555	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2469.487285614	Sum of GTIs [s]
livetime	2437.2216162174	Livetime [s]
ontime0	2469.3641257286	Sum of GTIs [s]
ontime1	2472.5461859703	Sum of GTIs [s]
ontime2	2472.5872259736	Sum of GTIs [s]
ontime3	2469.487285614	Sum of GTIs [s]
l2events	7286	Number of level 2 events



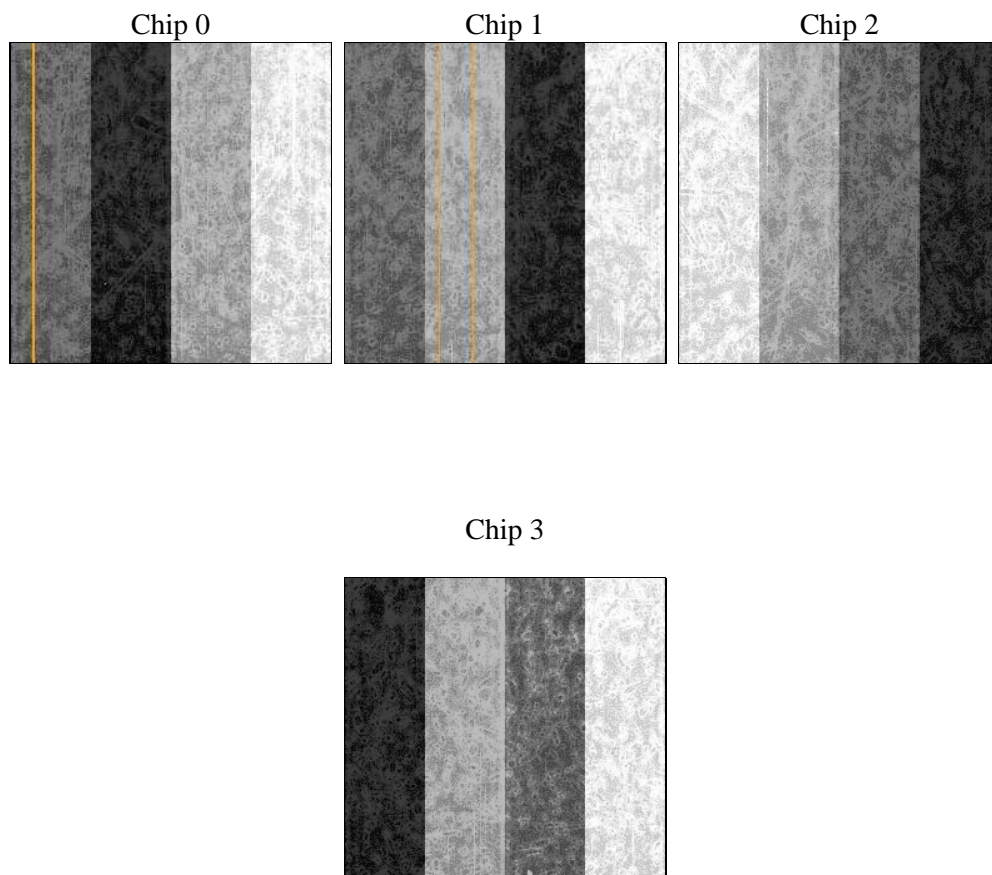
2 OBI

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	2469.487285614	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	2469.3641257286	Sum of GTIs [s]
date	2012-06-19T22:45:42	Date and time of file creation	ontime1	2472.5461859703	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2472.5872259736	Sum of GTIs [s]
			ontime3	2469.487285614	Sum of GTIs [s]
			l1events	79840	Number of level 1 events

2.1.4 Events

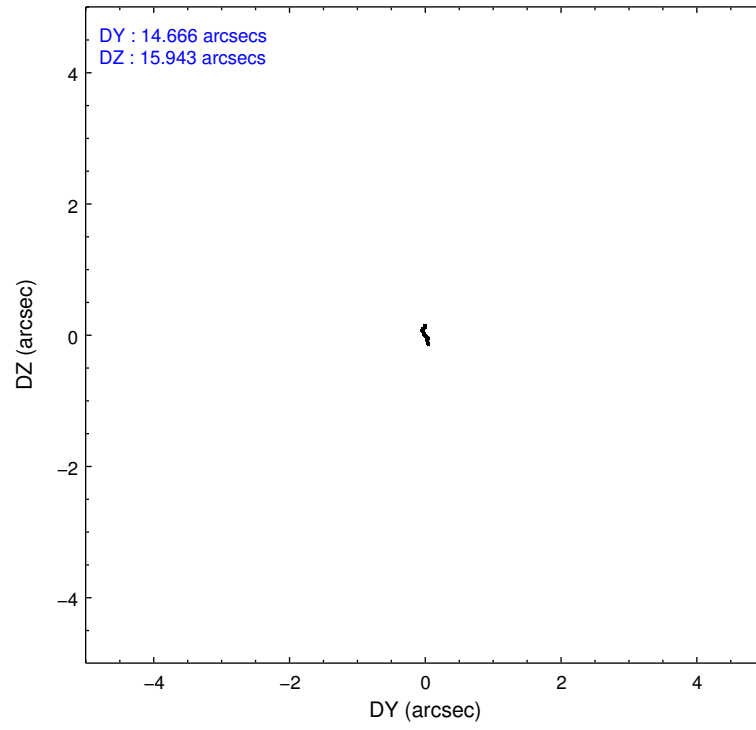
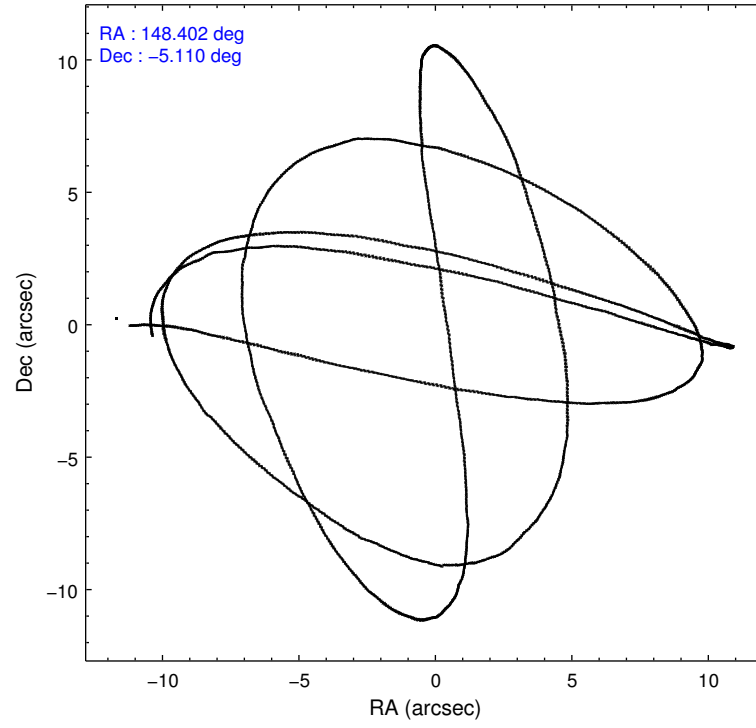
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	19112	19049	21629	20050
rejected events	16909	16586	19505	18055
rejected %	88%	87%	90%	90%

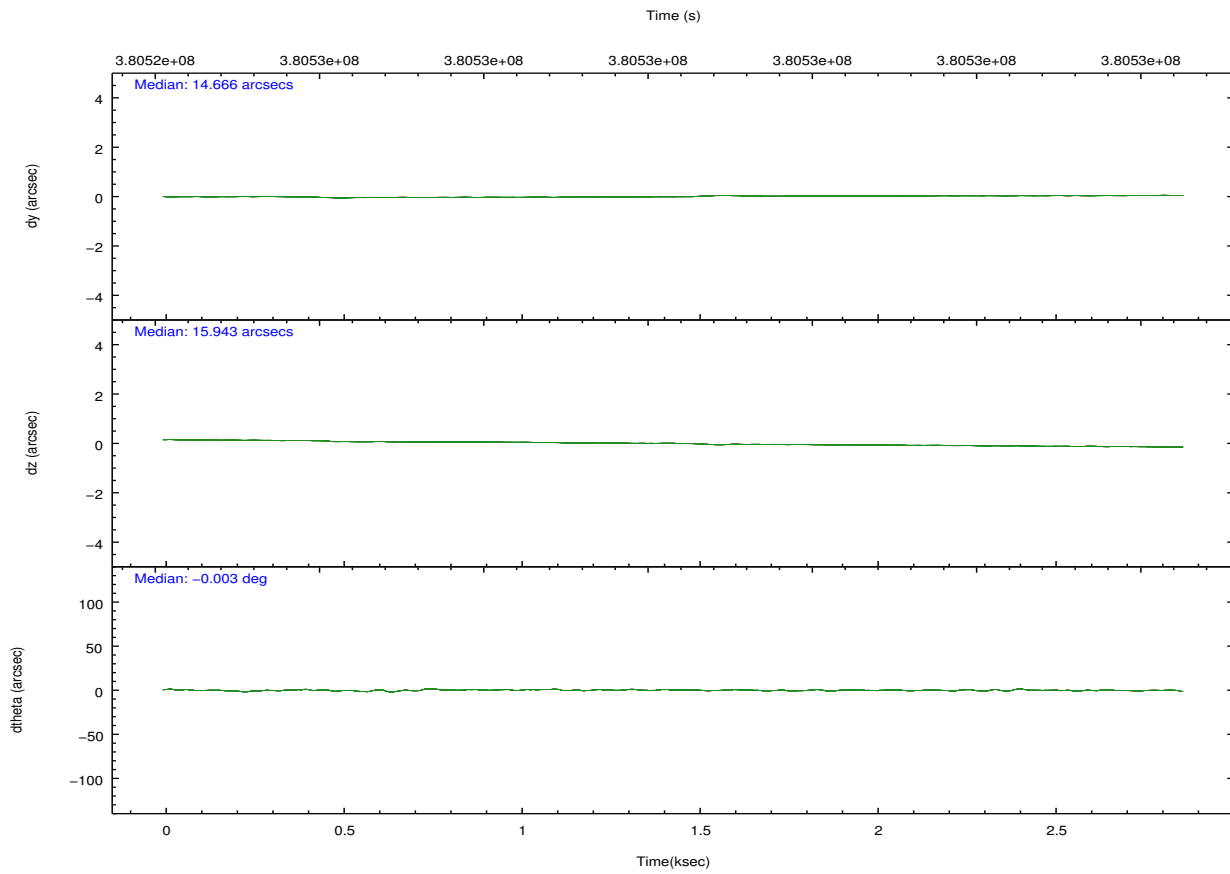
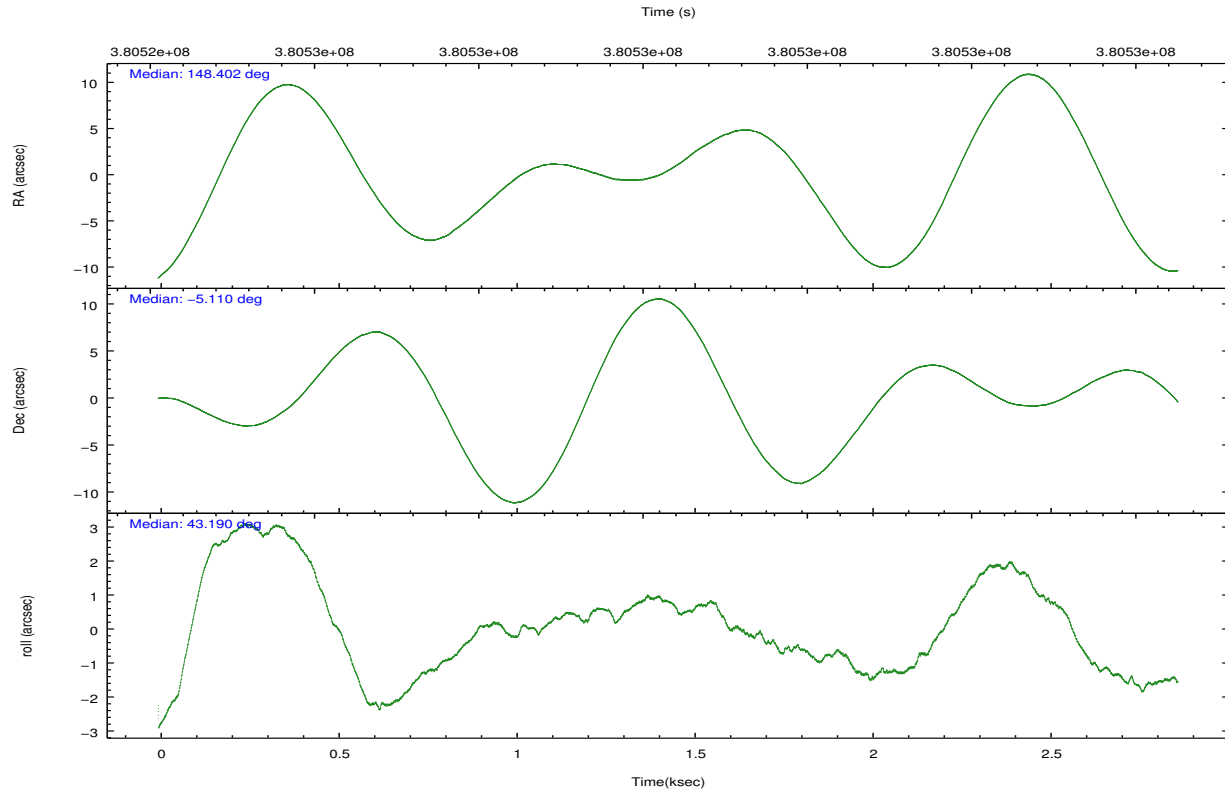
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	801	891	735	731
	4%	4%	3%	3%
grade 1 events	8	4	16	10
	0%	0%	0%	0%
grade 2 events	551	579	516	455
	2%	3%	2%	2%
grade 3 events	231	238	205	224
	1%	1%	0%	1%
grade 4 events	196	265	259	215
	1%	1%	1%	1%
grade 5 events	768	839	748	860
	4%	4%	3%	4%
grade 6 events	425	496	414	375
	2%	2%	1%	1%
grade 7 events	16132	15737	18736	17180
	84%	82%	86%	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	148.394157	148.4020559444306	Subarray requested	NONE	NONE
[deg] Pointing Dec	-5.136710	-5.110230809146403	Alternating exposures requested	N	N
[deg] Pointing Roll	42.987843	43.19724475955476	[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)	380525329.184000	380524953.50446			
Observation start date	2010-01-22T05:27:43	2010-01-22T05:22:33			
[s] Observation end time (MET)	380528009.184000	380528173.02962			
Observation end date	2010-01-22T06:12:23	2010-01-22T06:16:13			
Read mode	TIMED	TIMED			

2.3 Aspect



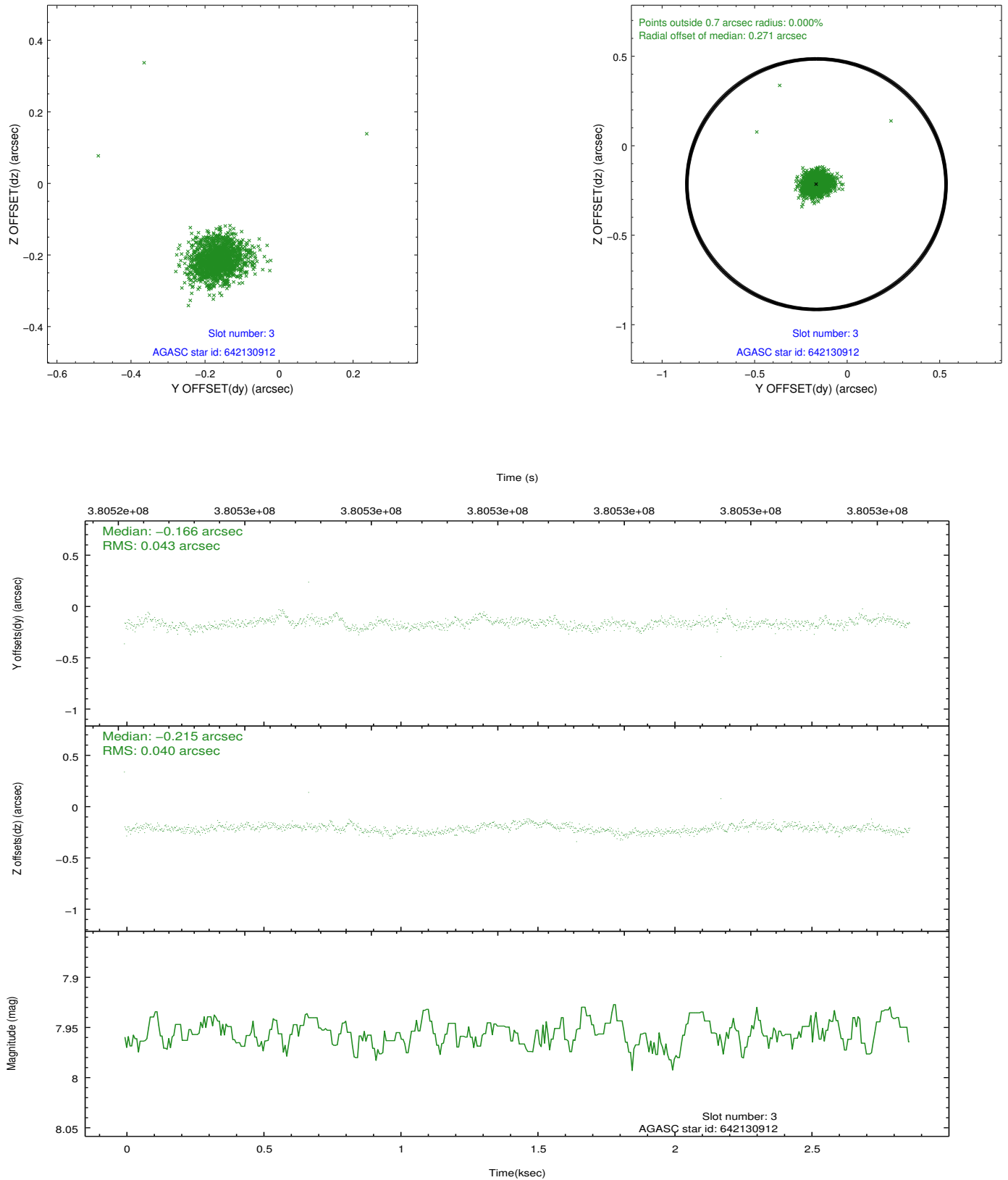


Slot Statistics

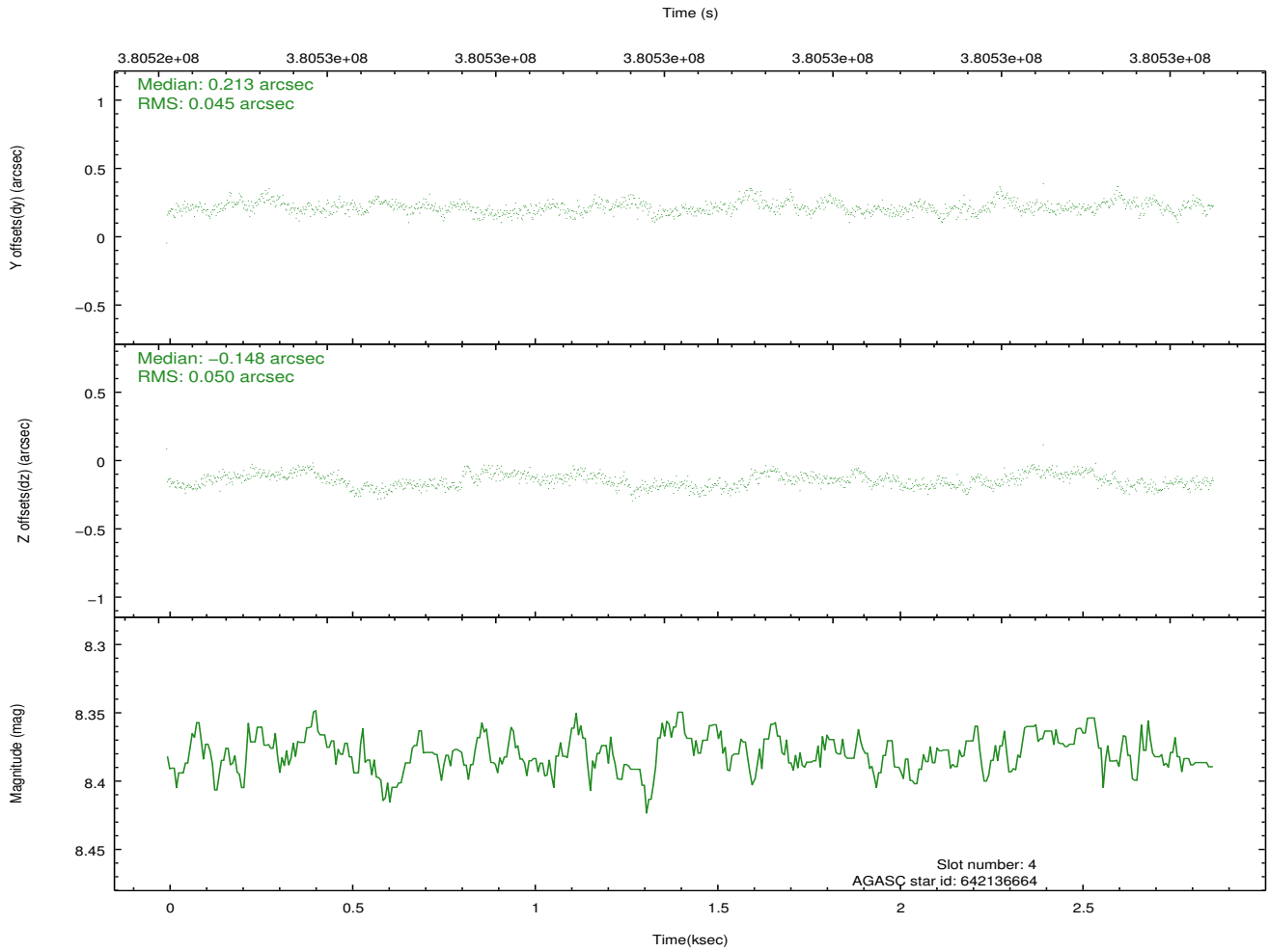
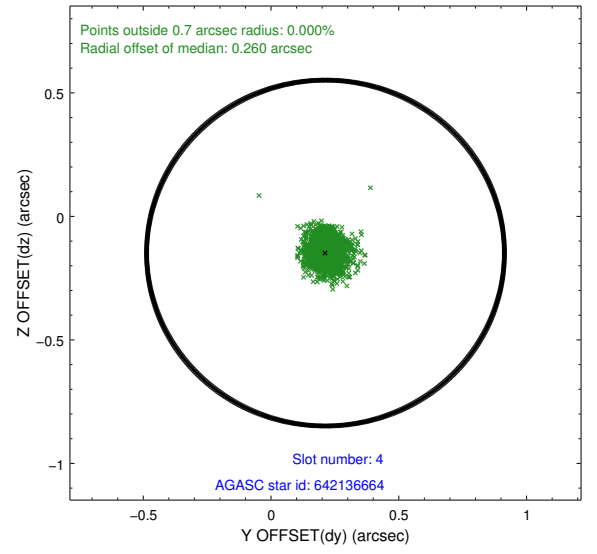
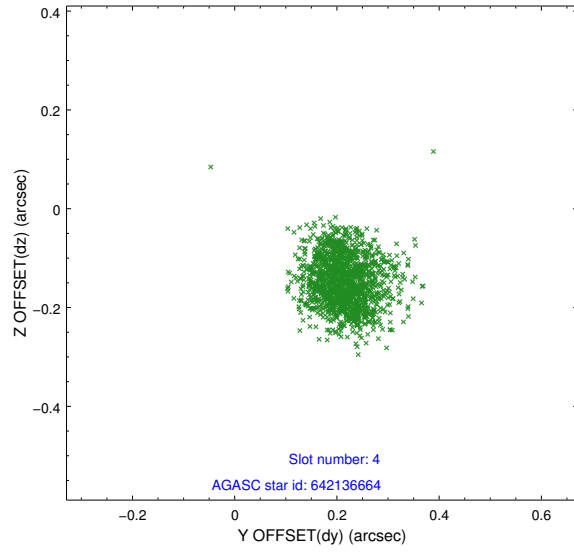
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	699	0.007	-0.080	0.011	0.021	0.000000	0.000000	924.82	-839.63
1	FID	ACIS-I-4	6.94	699	0.132	0.076	0.009	0.016	0.000000	0.000000	2146.20	1059.22
2	FID	ACIS-I-5	7.00	699	-0.237	0.076	0.008	0.012	0.000000	0.000000	-1820.58	1059.57
3	GUIDE	642130912	7.96	1399	-0.166	-0.215	0.057	0.092	148.633475	-4.436114	2347.51	1259.08
4	GUIDE	642136664	8.38	1397	0.213	-0.148	0.072	0.111	147.866202	-4.972417	-981.26	1723.59
5	GUIDE	642136704	7.05	1328	-0.117	0.032	0.064	0.105	148.904130	-4.976239	1729.90	-823.91
6	GUIDE	642522984	8.69	1398	-0.172	0.248	0.098	0.178	149.320499	-5.182668	2316.30	-2387.67
7	GUIDE	642526976	9.08	1396	0.243	0.079	0.107	0.185	148.687115	-5.542879	-227.53	-1787.27

2.4 Star Slots

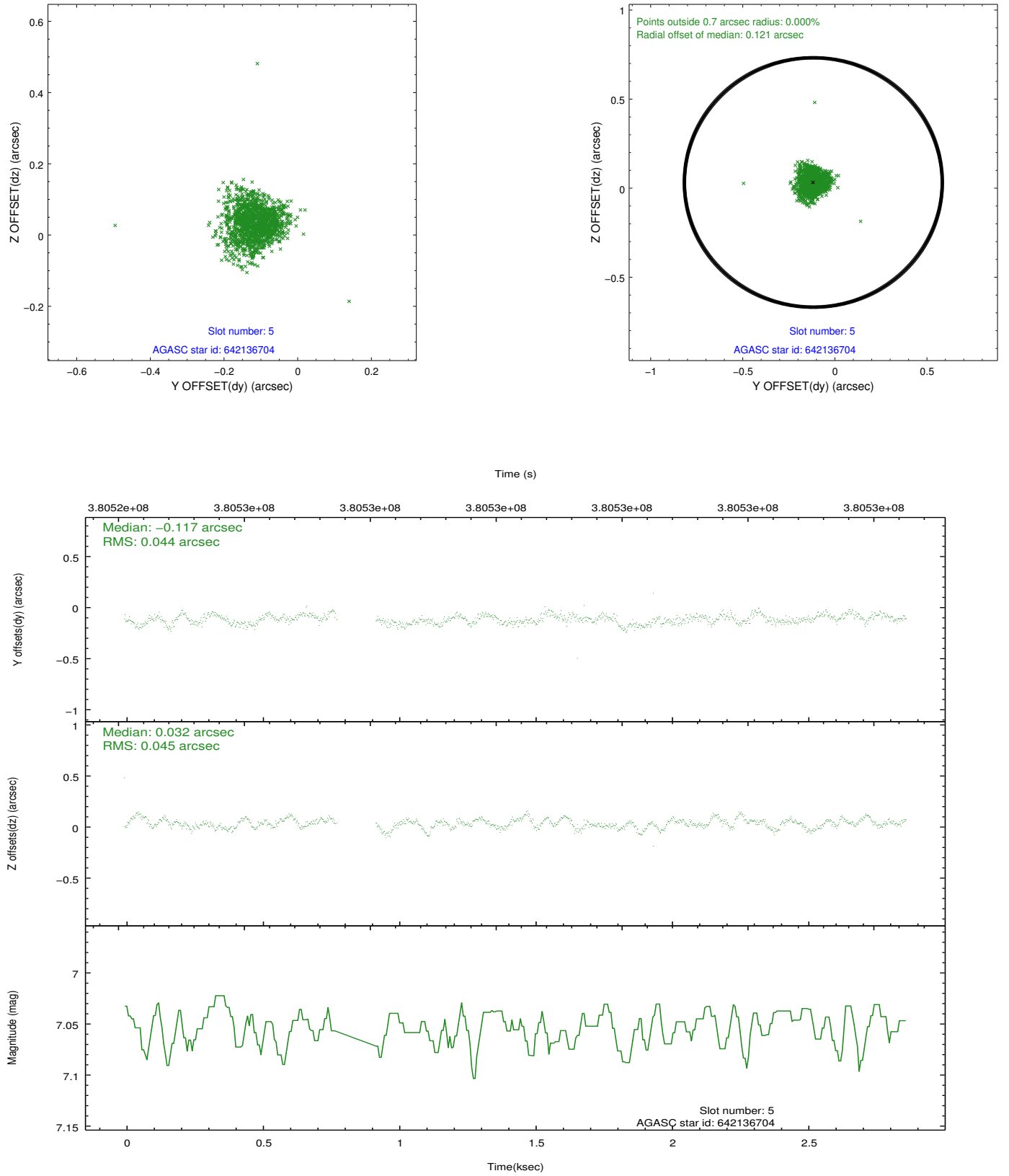
2.4.1 Slot 3



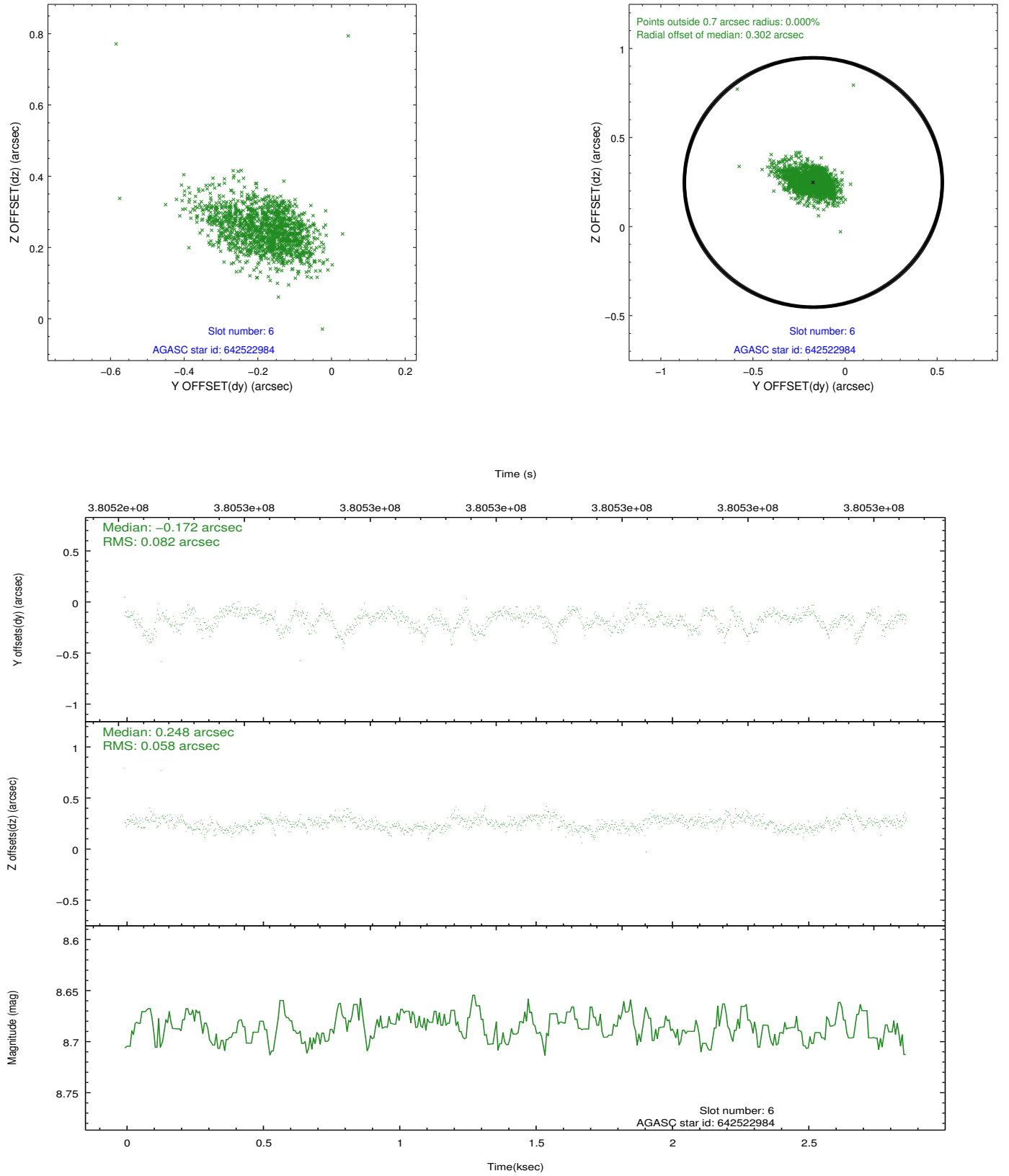
2.4.2 Slot 4



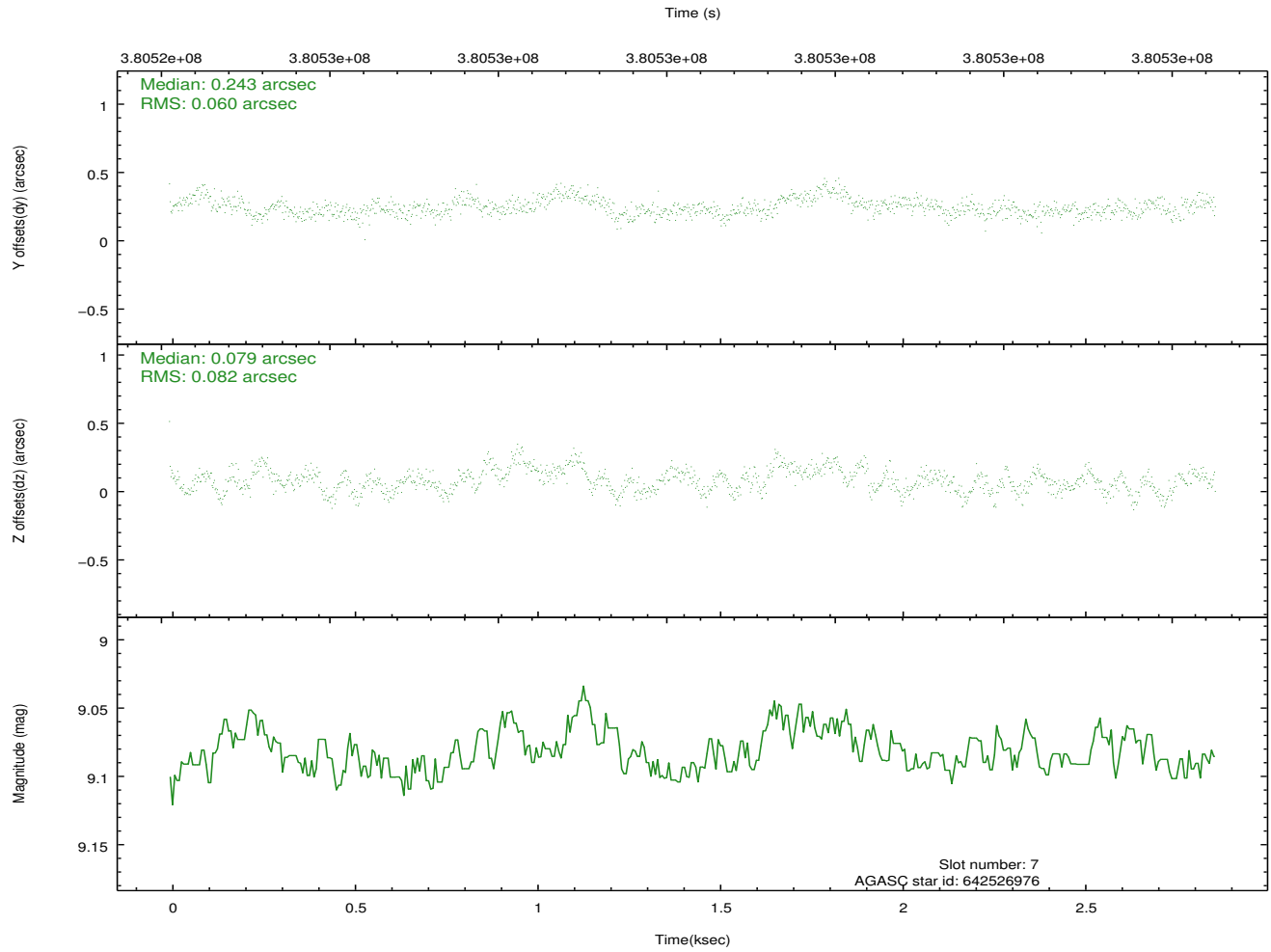
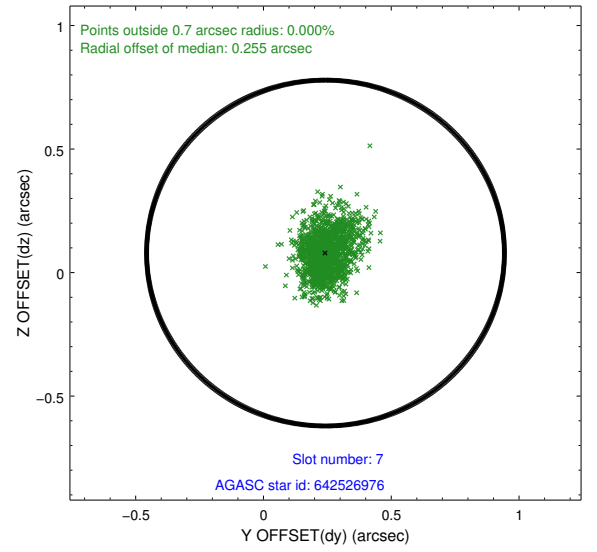
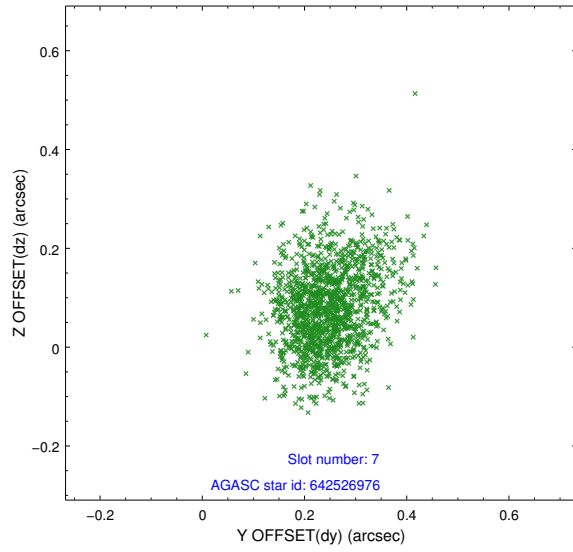
2.4.3 Slot 5



2.4.4 Slot 6

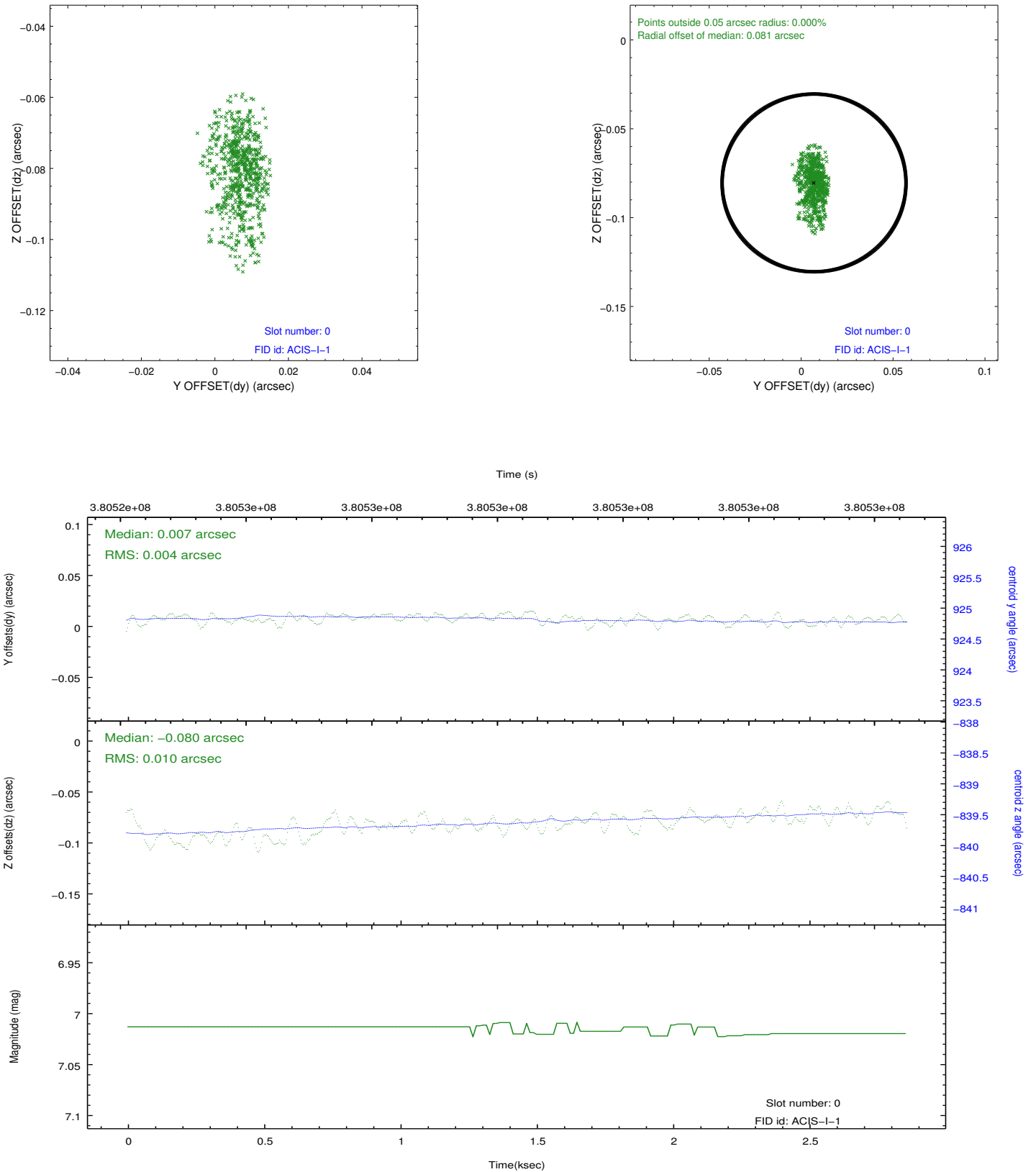


2.4.5 Slot 7

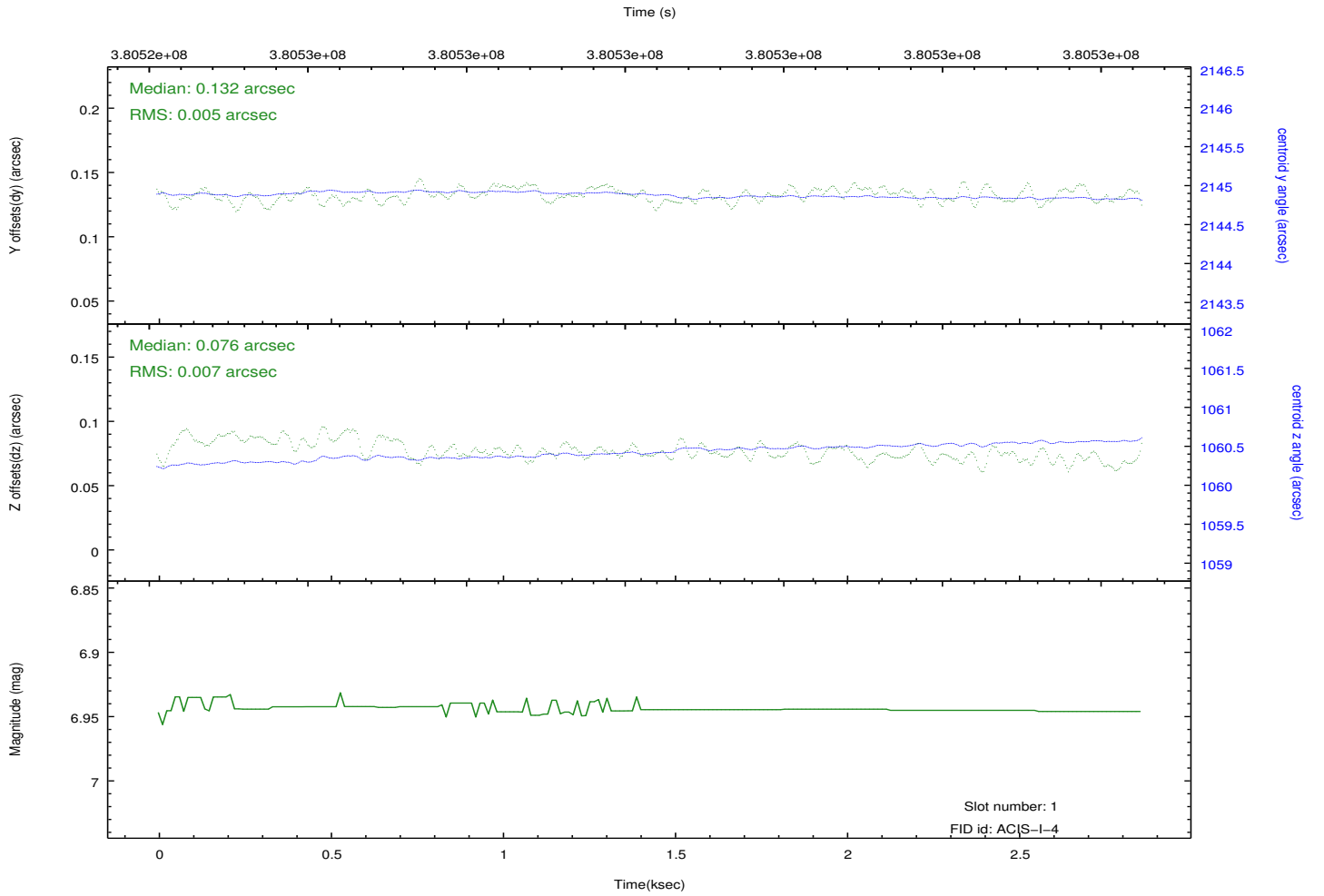
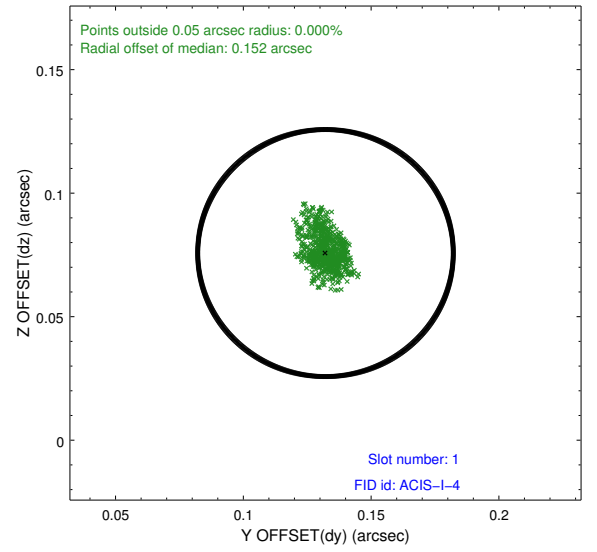
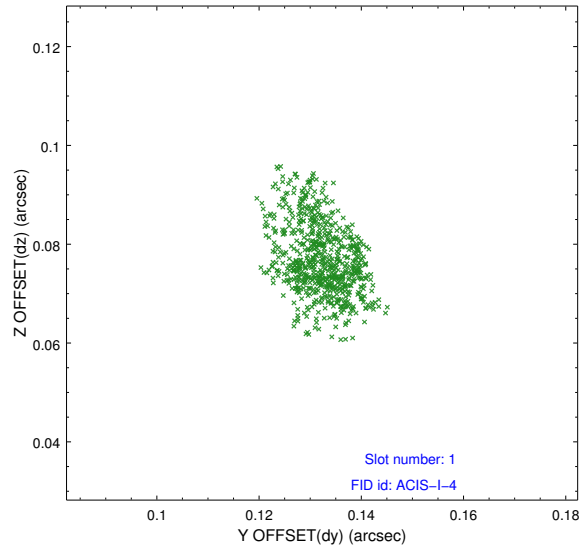


2.5 FID Slots

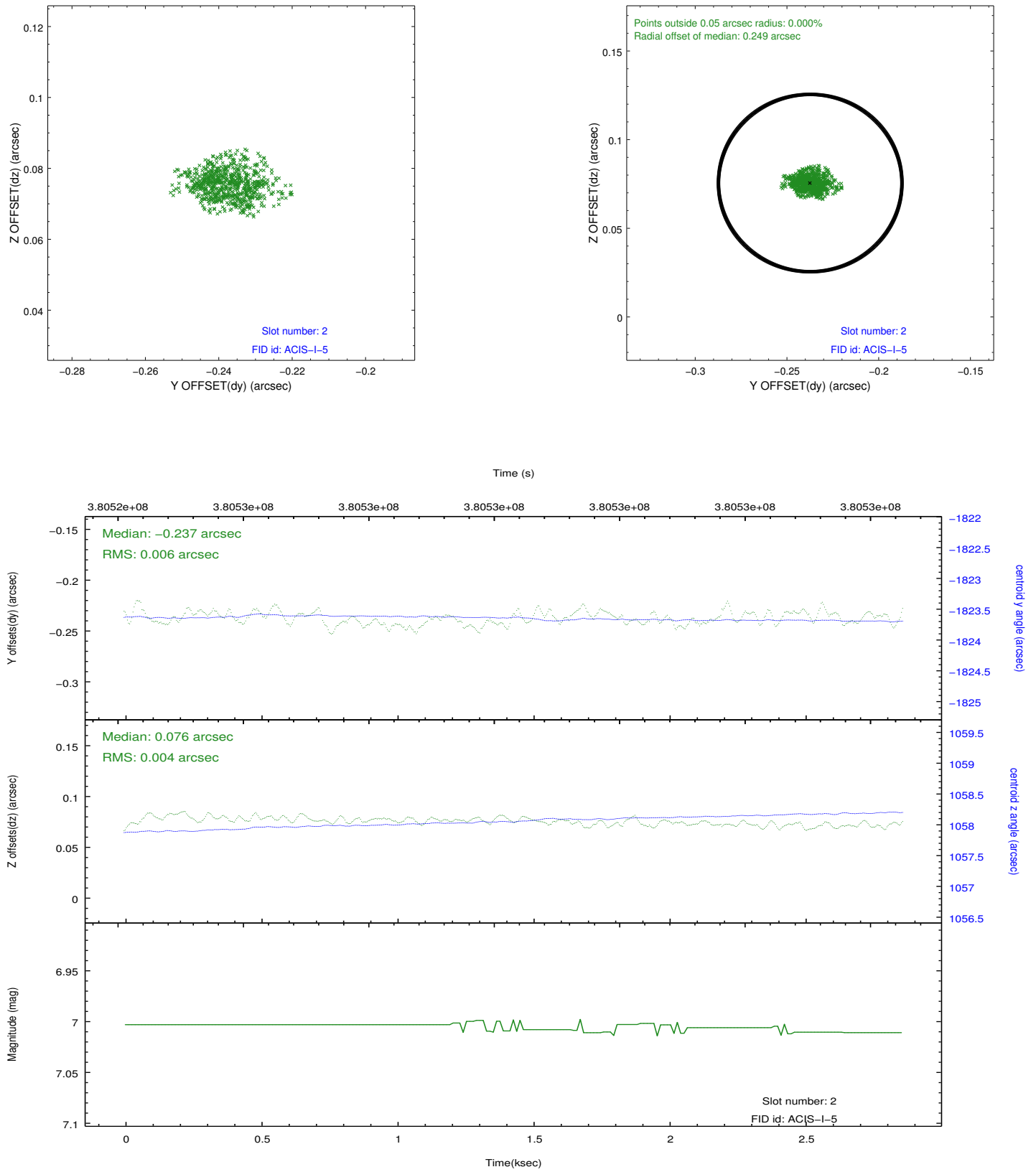
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.4694872851968

A.2 Comments