

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8629 - L2 Version 2
Chandra X-Ray Center

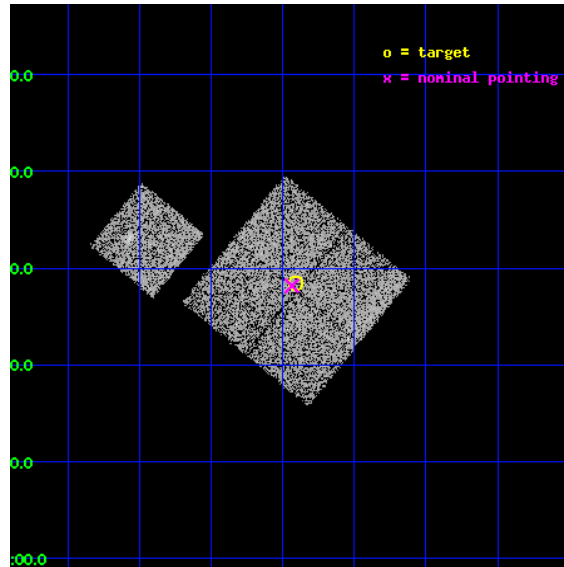
L2 Processing Date : May 5 2012

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1 Front

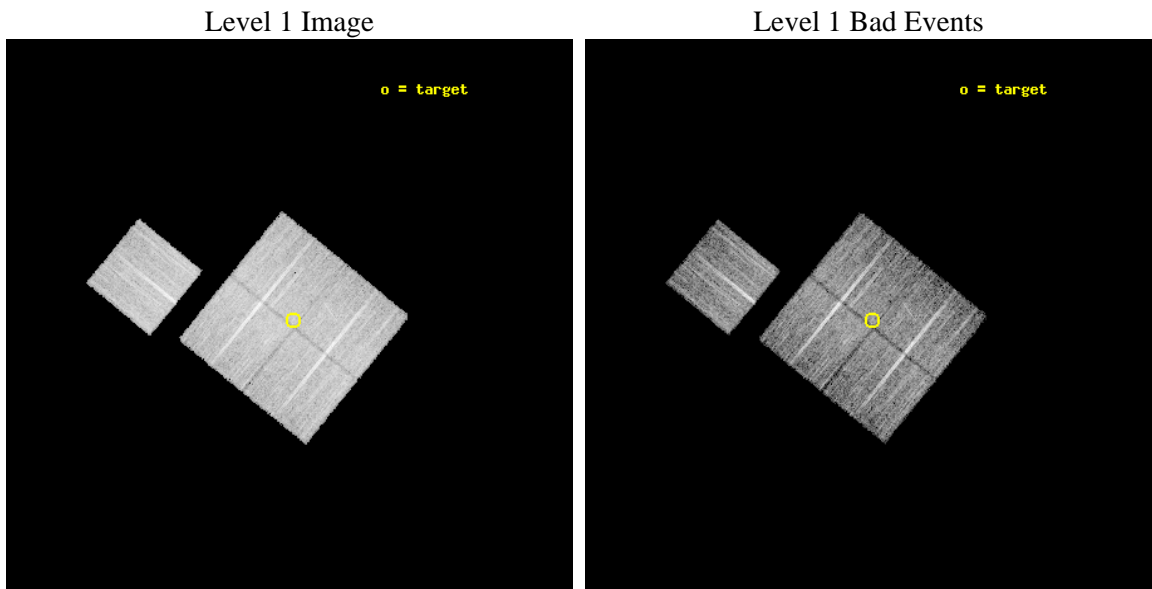
seq_num	900766	Sequence number
obs_id	8629	Observation id
title	Chandra Observations of the DEEP2 Fields	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	DEEP2 Field 4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	37.72722	Observer's specified target RA [deg]
dec_targ	0.474019	Observer's specified target Dec [deg]
ra_nom	37.733998298613	Nominal RA [deg]
dec_nom	0.46959257129679	Nominal Dec [deg]
roll_nom	309.23862927104	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8577.1991616488	Sum of GTIs [s]
livetime	8465.1317401596	Livetime [s]
ontime0	8577.0760217309	Sum of GTIs [s]
ontime1	8558.2710898519	Sum of GTIs [s]
ontime2	8577.1581216455	Sum of GTIs [s]
ontime3	8577.1991616488	Sum of GTIs [s]
ontime6	8573.8940013051	Sum of GTIs [s]
l2events	29486	Number of level 2 events



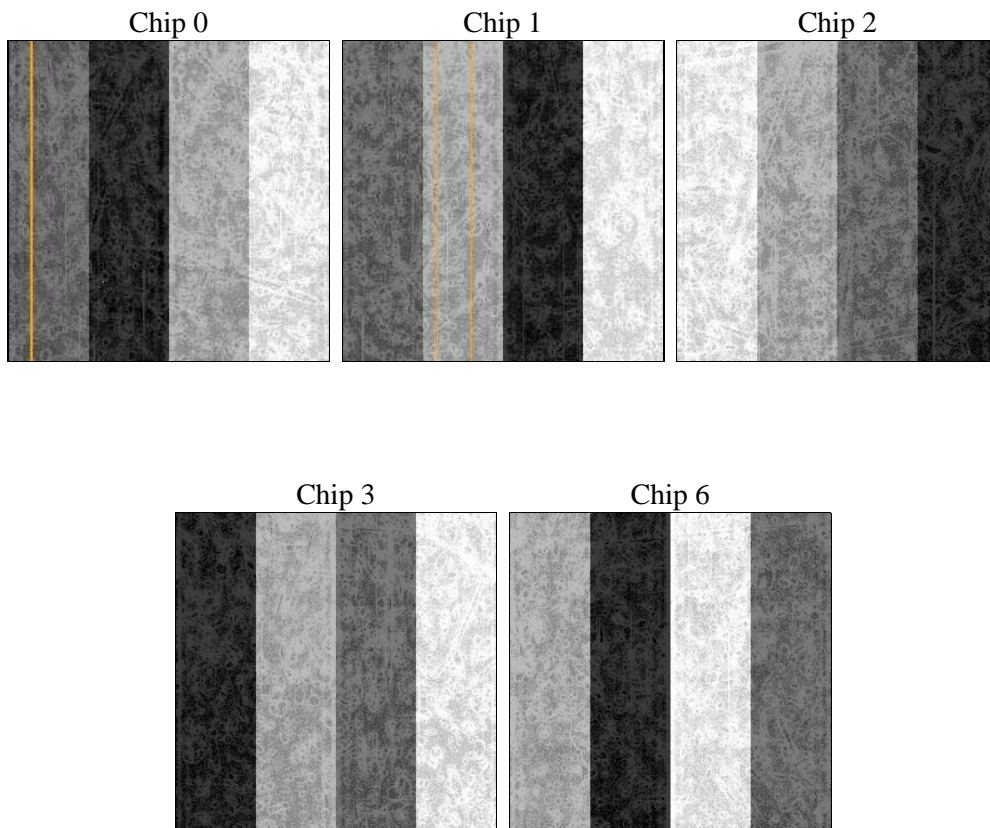
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8577.1991616488	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8577.0760217309	Sum of GTIs [s]
date	2012-05-05T20:54:56	Date and time of file creation	ontime1	8558.2710898519	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8577.1581216455	Sum of GTIs [s]
			ontime3	8577.1991616488	Sum of GTIs [s]
			ontime6	8573.8940013051	Sum of GTIs [s]
			l1events	347517	Number of level 1 events

2.1.4 Events

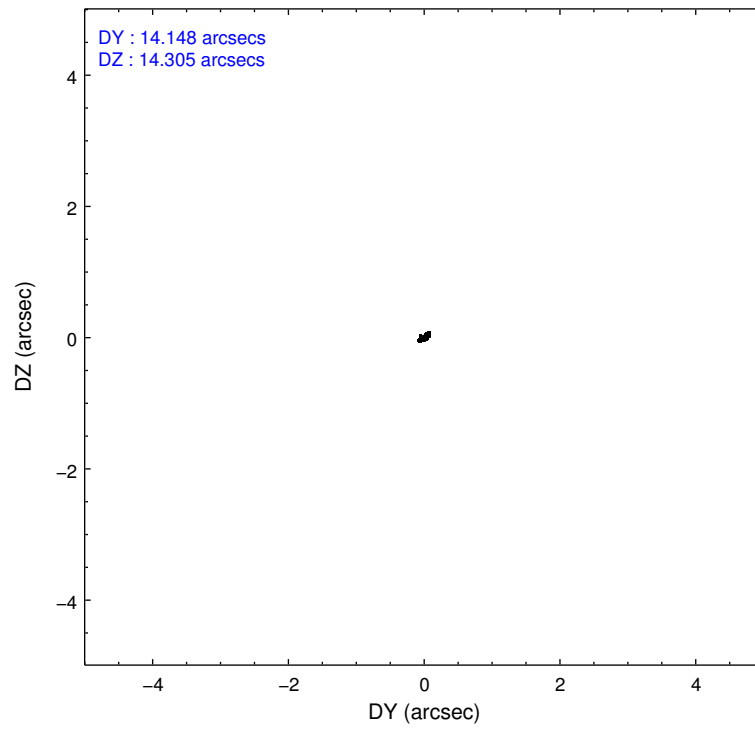
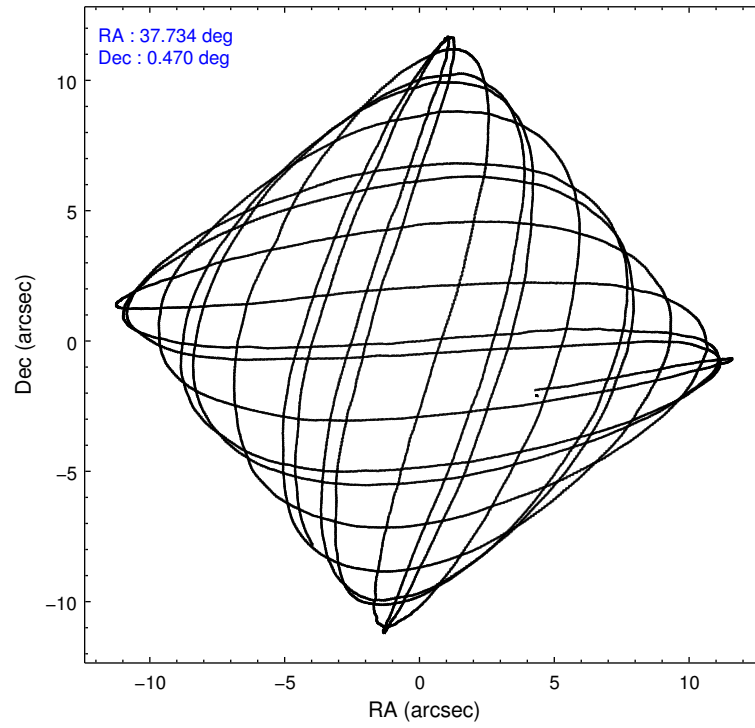
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	65736	67117	73877	67828	72959
rejected events	58613	59423	66995	61317	65511
rejected %	89%	88%	90%	90%	89%

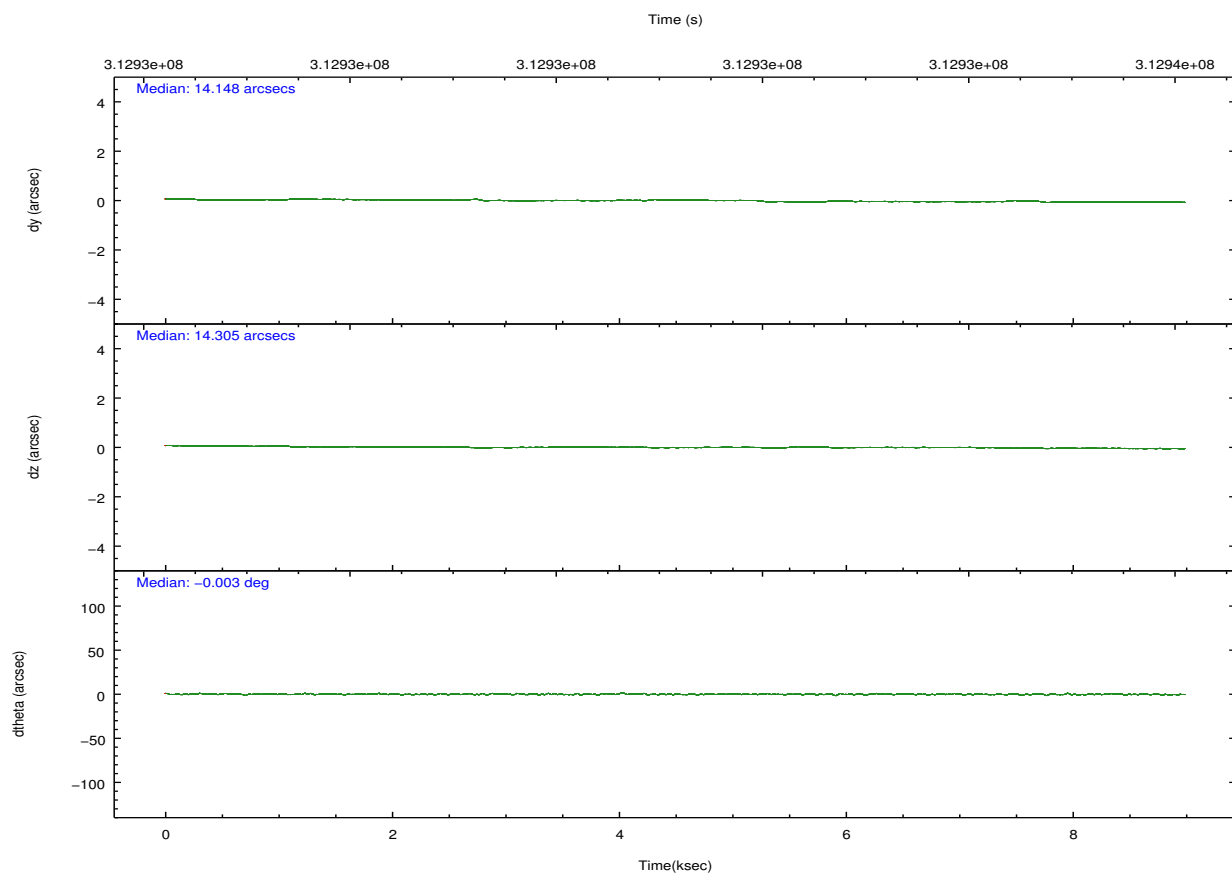
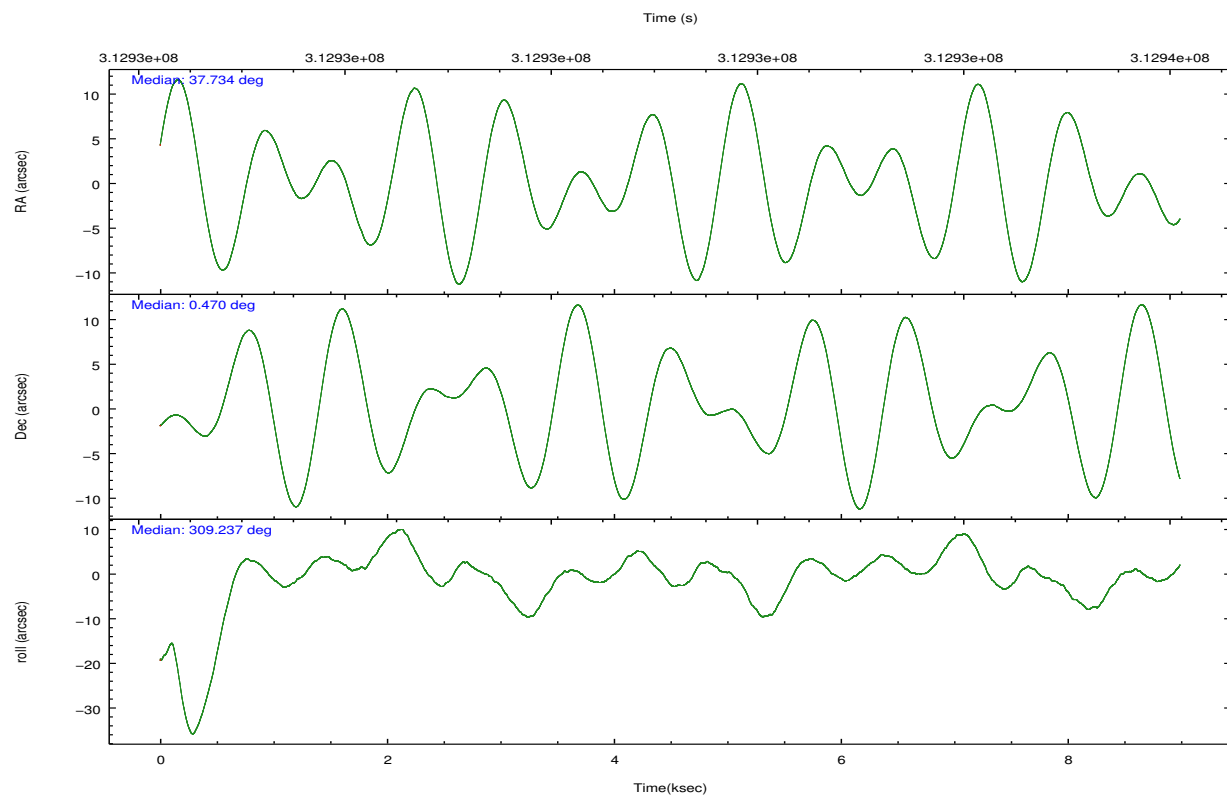
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2506	2684	2447	2309	2628
	3%	3%	3%	3%	3%
grade 1 events	40	32	28	31	40
	0%	0%	0%	0%	0%
grade 2 events	1682	1735	1674	1386	1710
	2%	2%	2%	2%	2%
grade 3 events	813	829	754	783	761
	1%	1%	1%	1%	1%
grade 4 events	761	873	725	698	768
	1%	1%	0%	1%	1%
grade 5 events	2389	2780	2291	2801	2665
	3%	4%	3%	4%	3%
grade 6 events	1362	1580	1284	1338	1584
	2%	2%	1%	1%	2%
grade 7 events	56183	56604	64674	58482	62803
	85%	84%	87%	86%	86%

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	37.708218	37.73399829861321	CCD I2 on	Y	Y
[deg] Pointing Dec	0.479208	0.4695925712967886	CCD I3 on	Y	Y
[deg] Pointing Roll	309.030159	309.2386292710368	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	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	312926841.184000	312926465.35184	CCD S5 on	N	N
Observation start date	2007-12-01T20:06:16	2007-12-01T20:01:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	312935641.184000	312935775.42729	On-chip summing requested	N	N
Observation end date	2007-12-01T22:32:56	2007-12-01T22:36:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



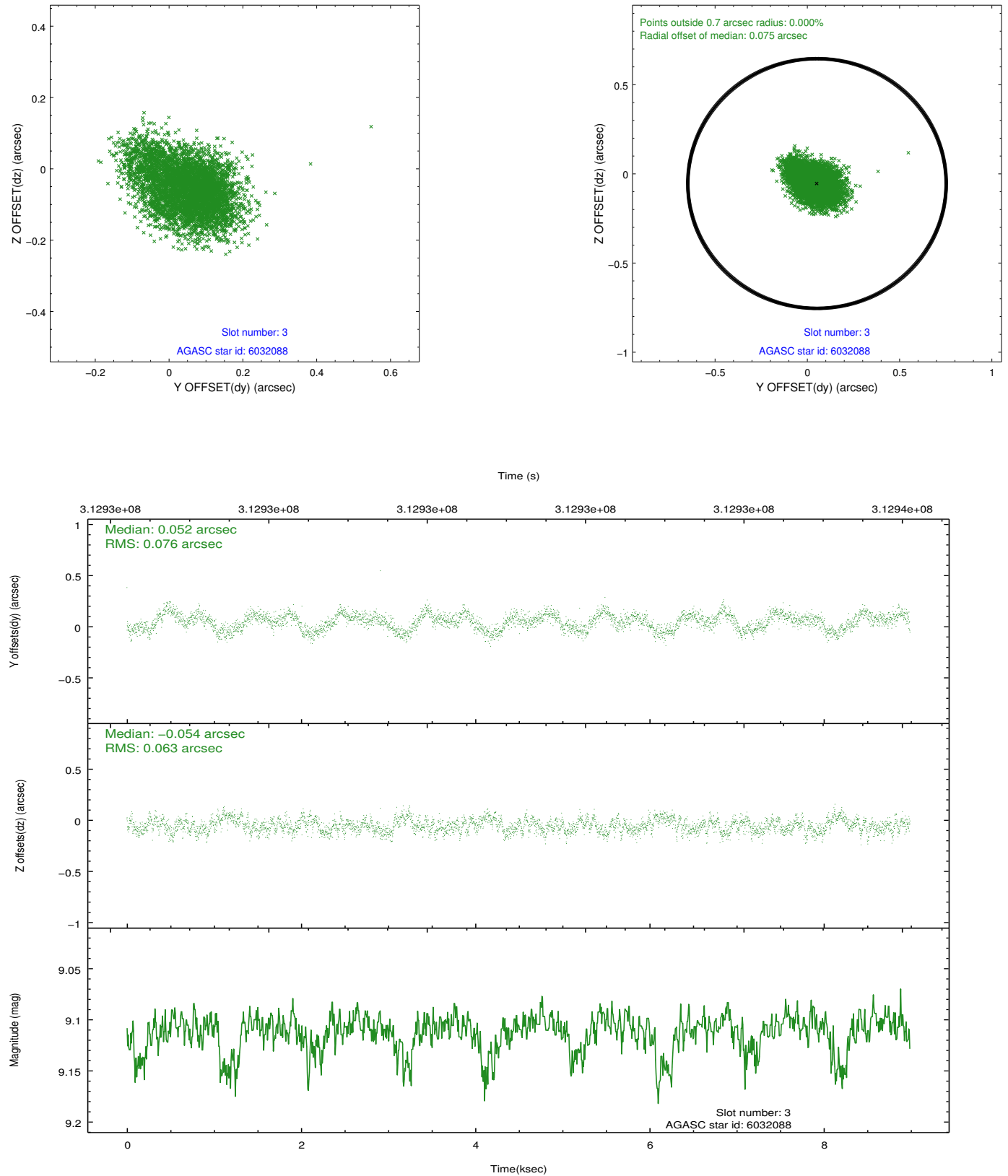


Slot Statistics

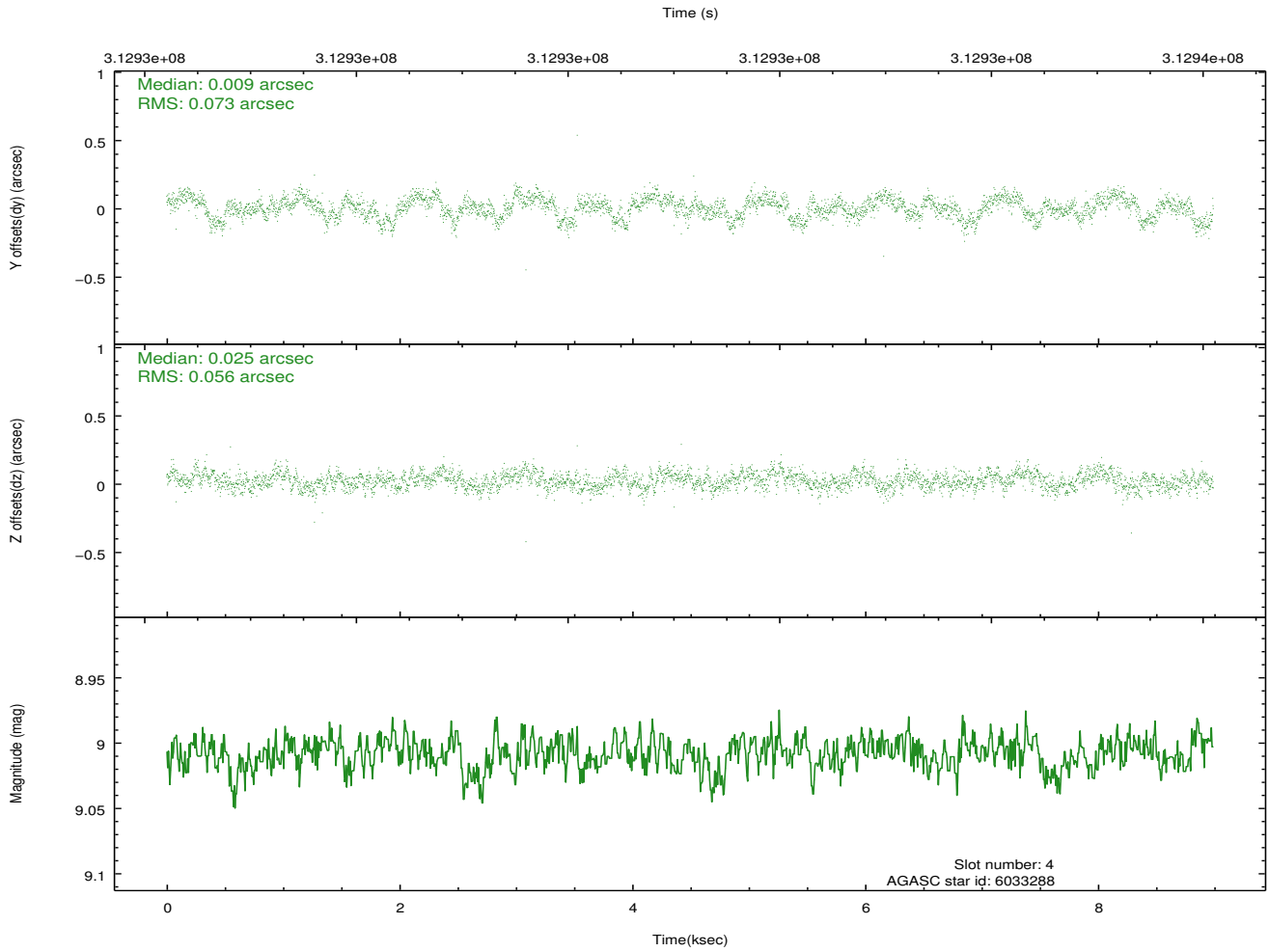
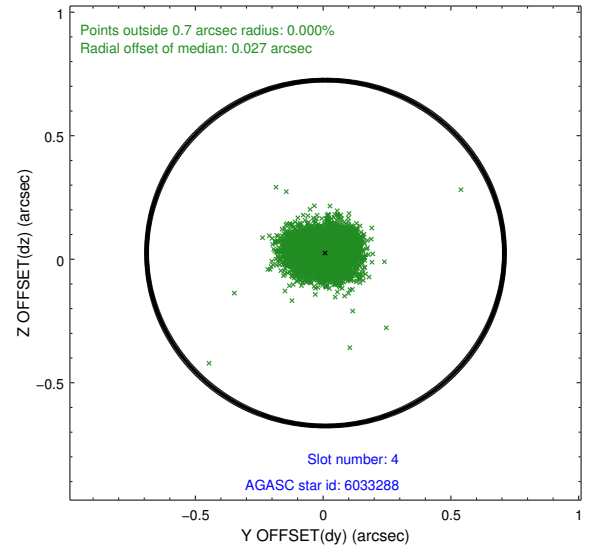
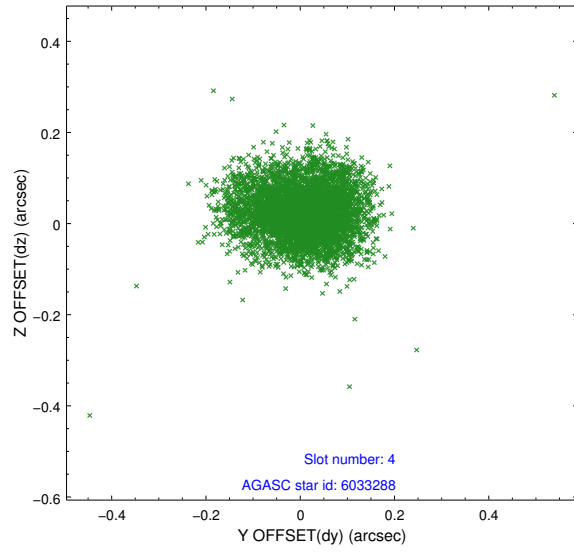
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2193	0.033	0.007	0.006	0.011	0.000000	0.000000	925.38	-837.87
1	FID	ACIS-I-5	7.23	2193	-0.226	0.036	0.006	0.011	0.000000	0.000000	-1822.67	1059.31
2	FID	ACIS-I-6	7.23	2193	0.102	0.028	0.007	0.012	0.000000	0.000000	390.31	1704.52
3	GUIDE	6032088	9.11	4380	0.052	-0.054	0.105	0.173	37.532714	0.102881	655.14	-1343.85
4	GUIDE	6033288	9.01	4381	0.009	0.025	0.097	0.155	37.919400	0.743225	-259.31	1188.88
5	GUIDE	6033872	9.44	4354	0.013	-0.006	0.127	0.206	37.689972	0.822033	-999.51	726.70
6	GUIDE	6042384	6.39	4386	-0.011	0.011	0.088	0.164	37.688348	0.255749	580.09	-562.39
7	GUIDE	6034024	9.69	4370	-0.050	0.027	0.115	0.183	37.505848	1.160303	-2363.04	978.22

2.4 Star Slots

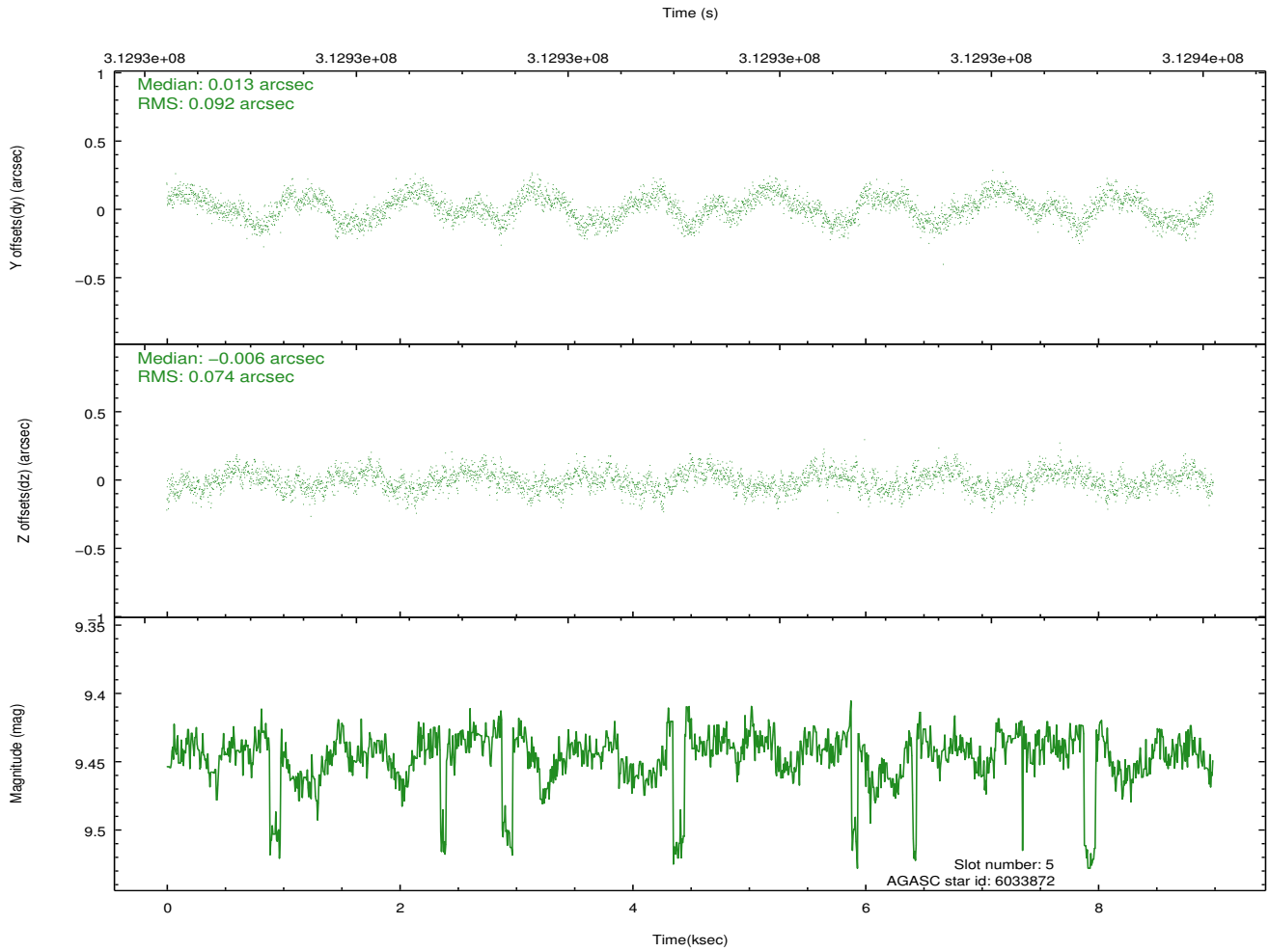
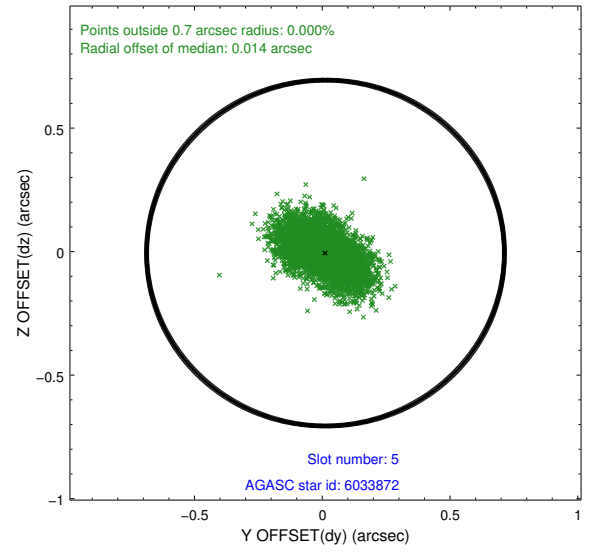
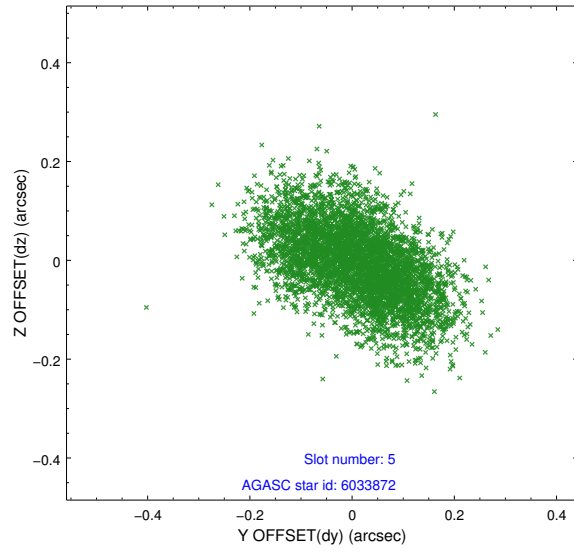
2.4.1 Slot 3



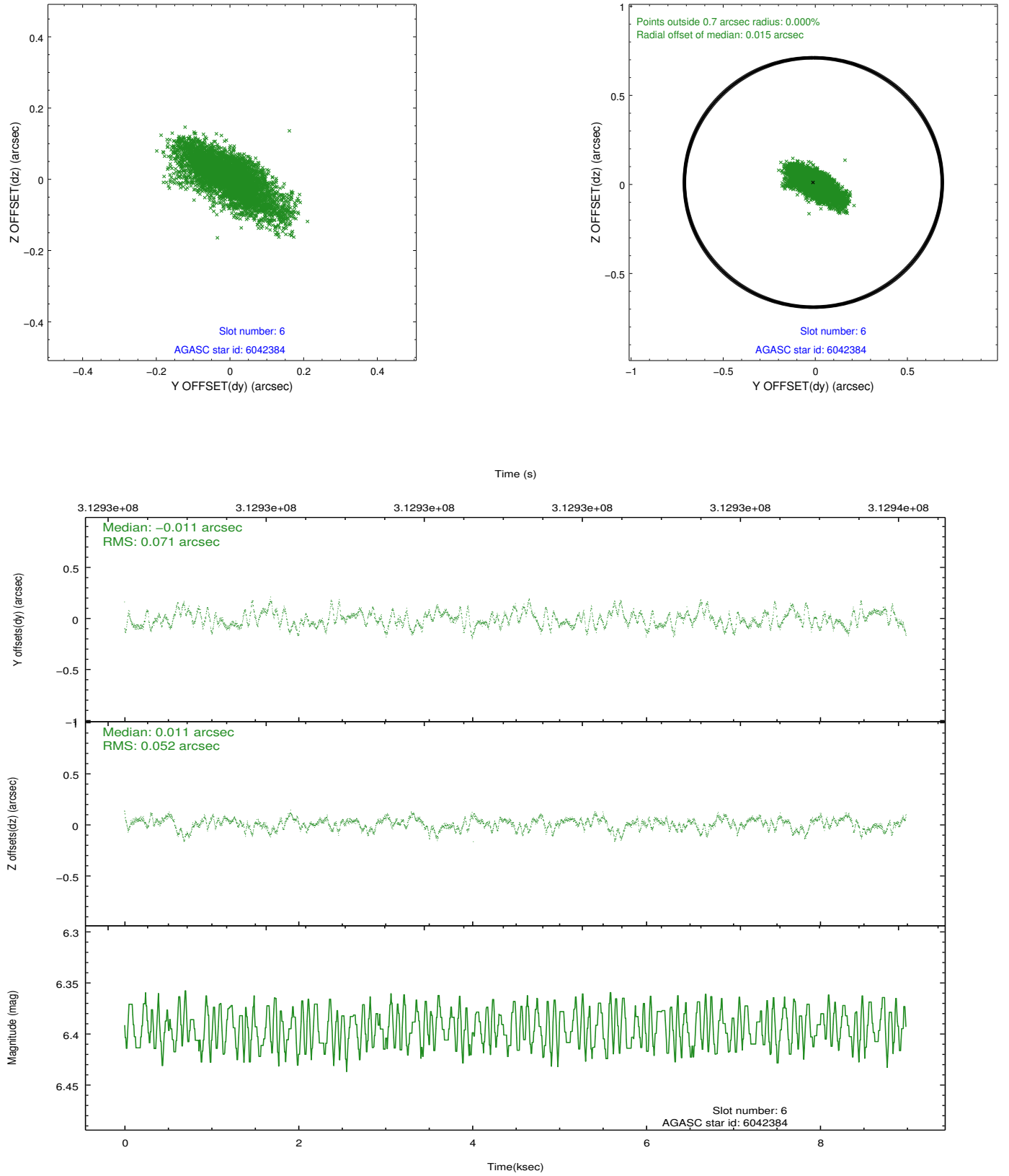
2.4.2 Slot 4



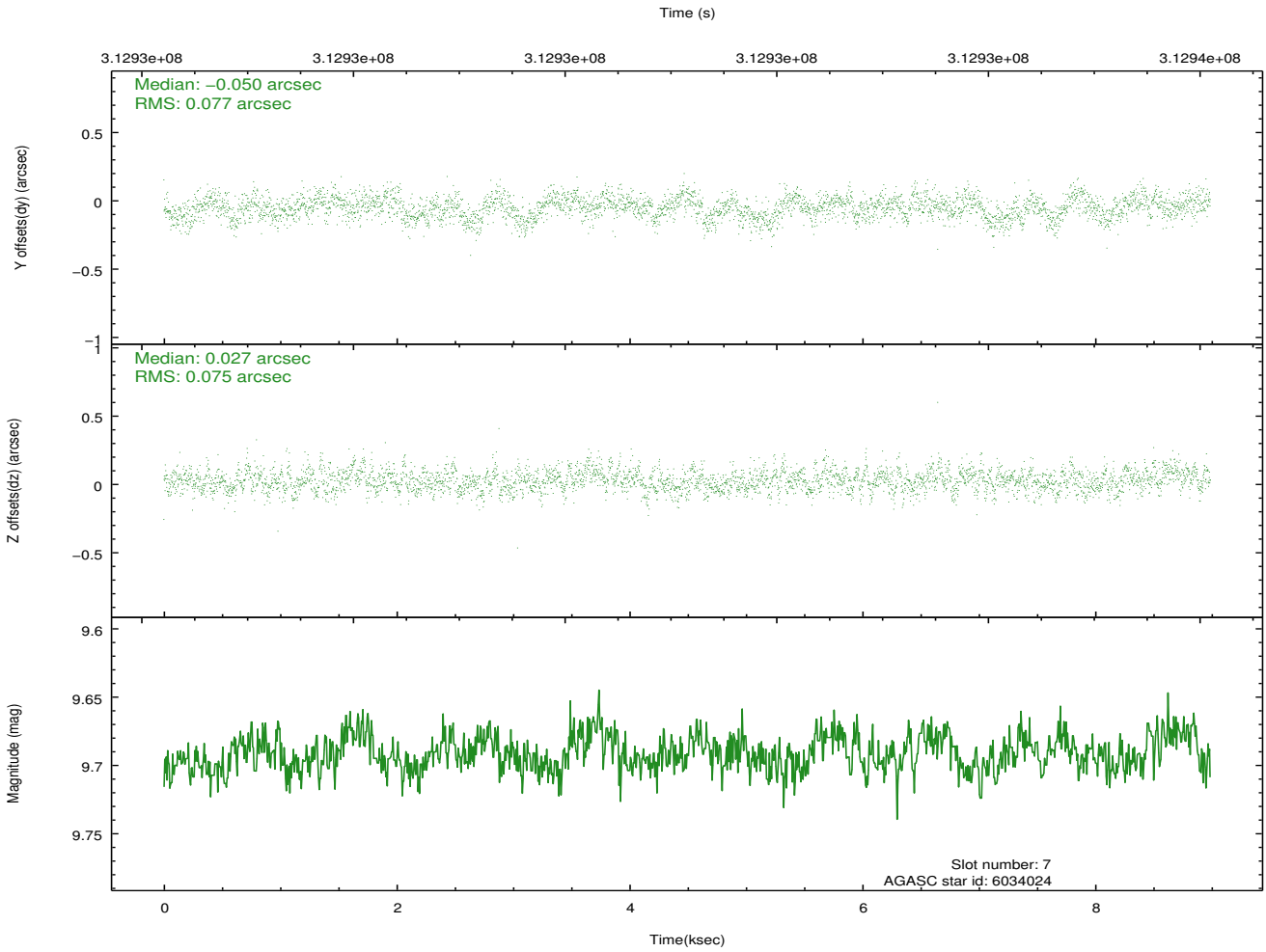
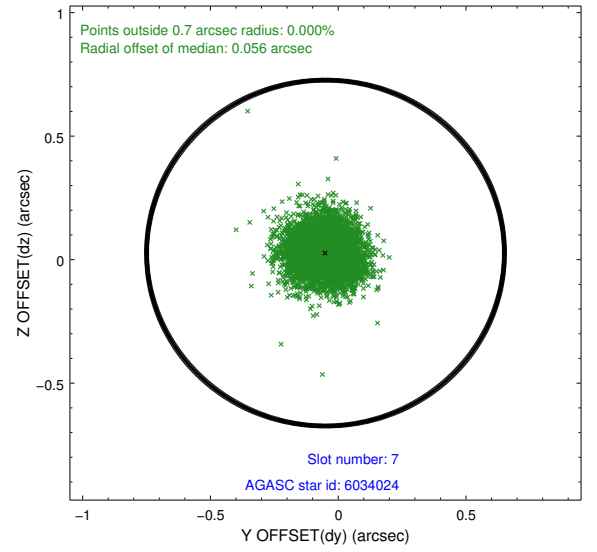
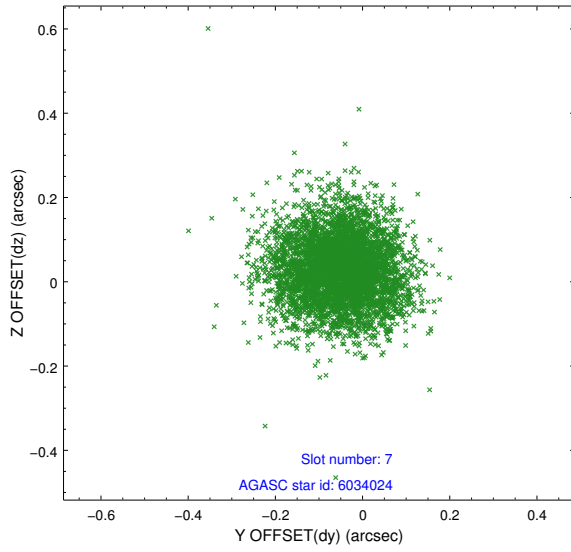
2.4.3 Slot 5



2.4.4 Slot 6

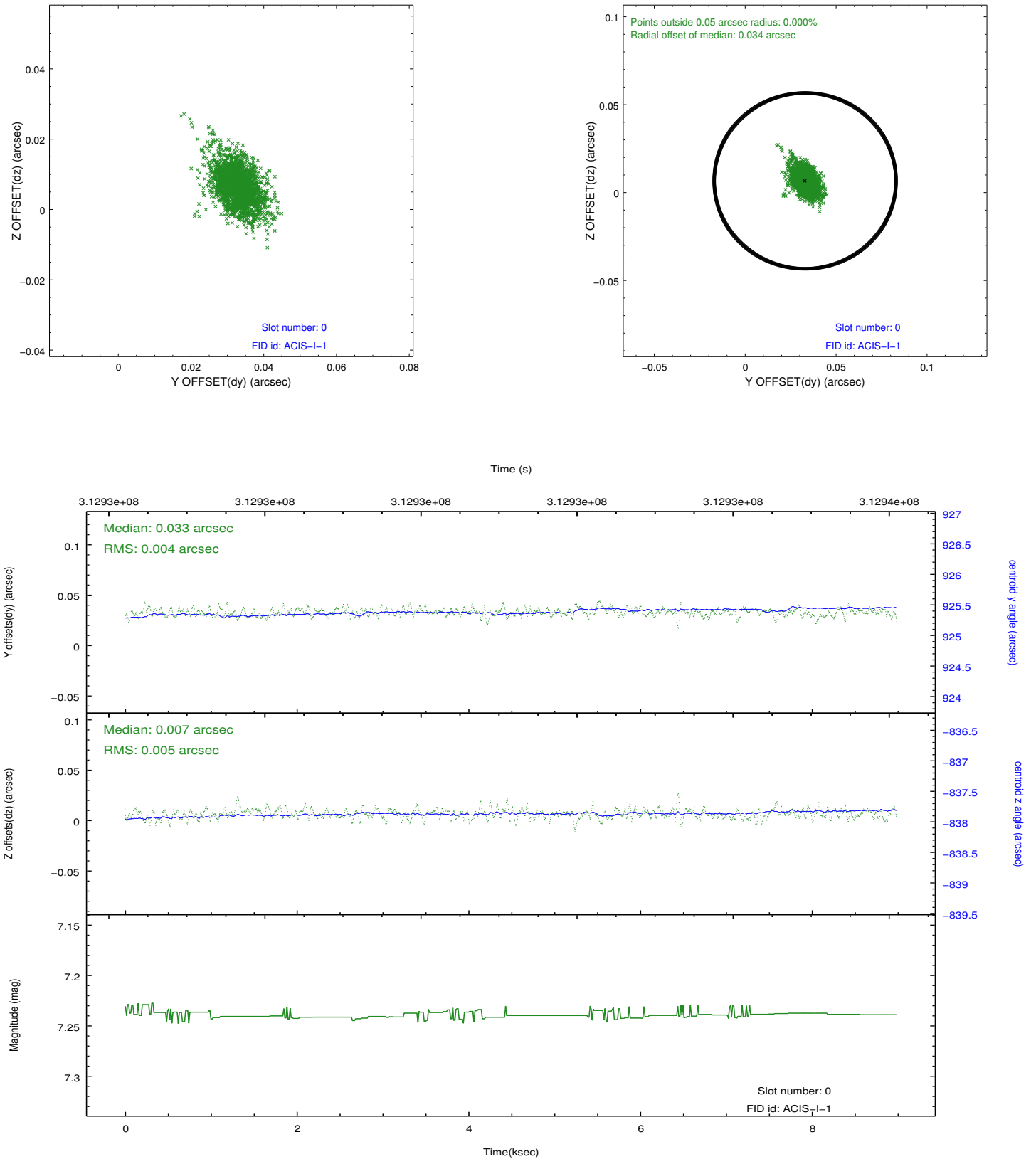


2.4.5 Slot 7

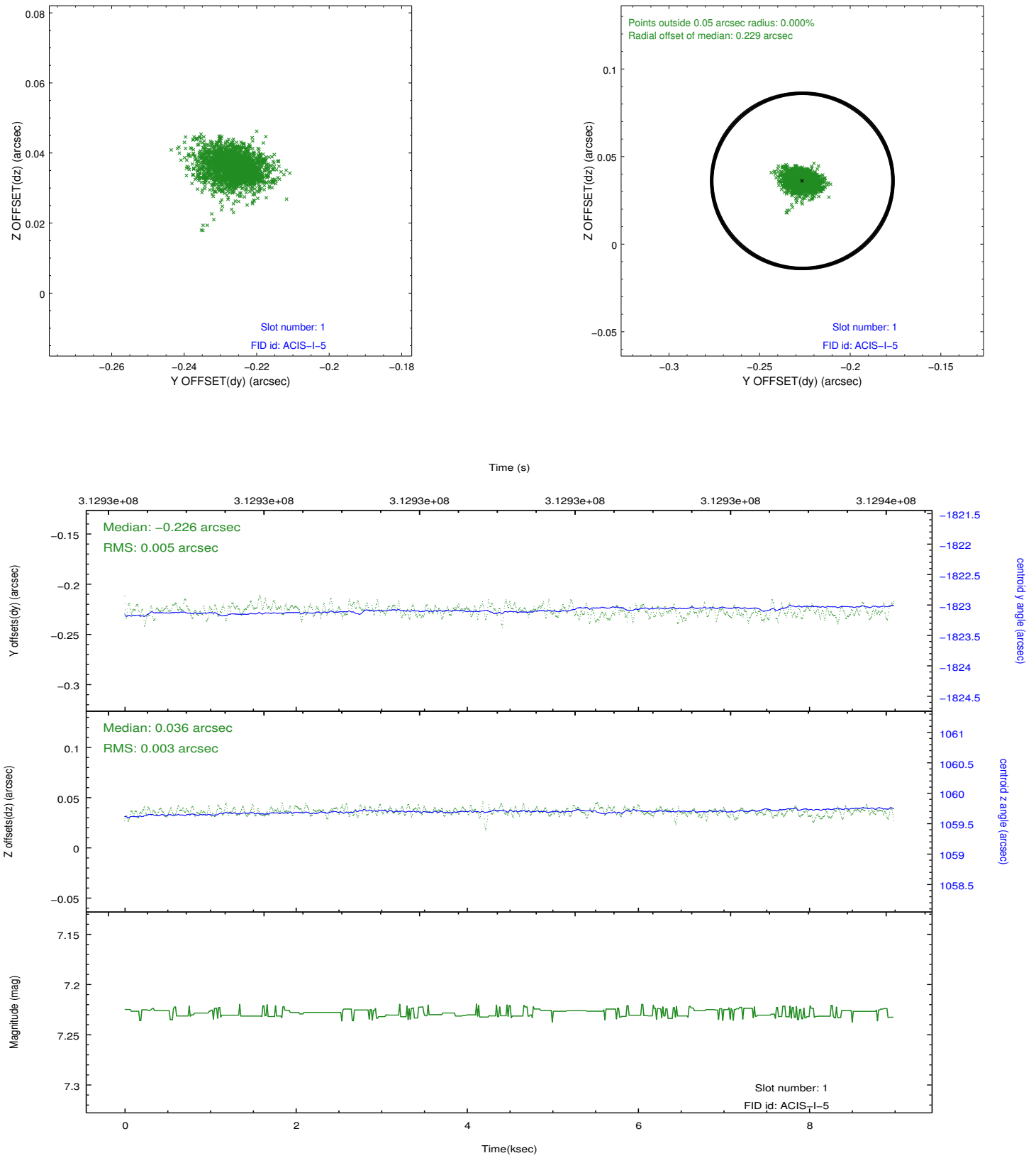


2.5 FID Slots

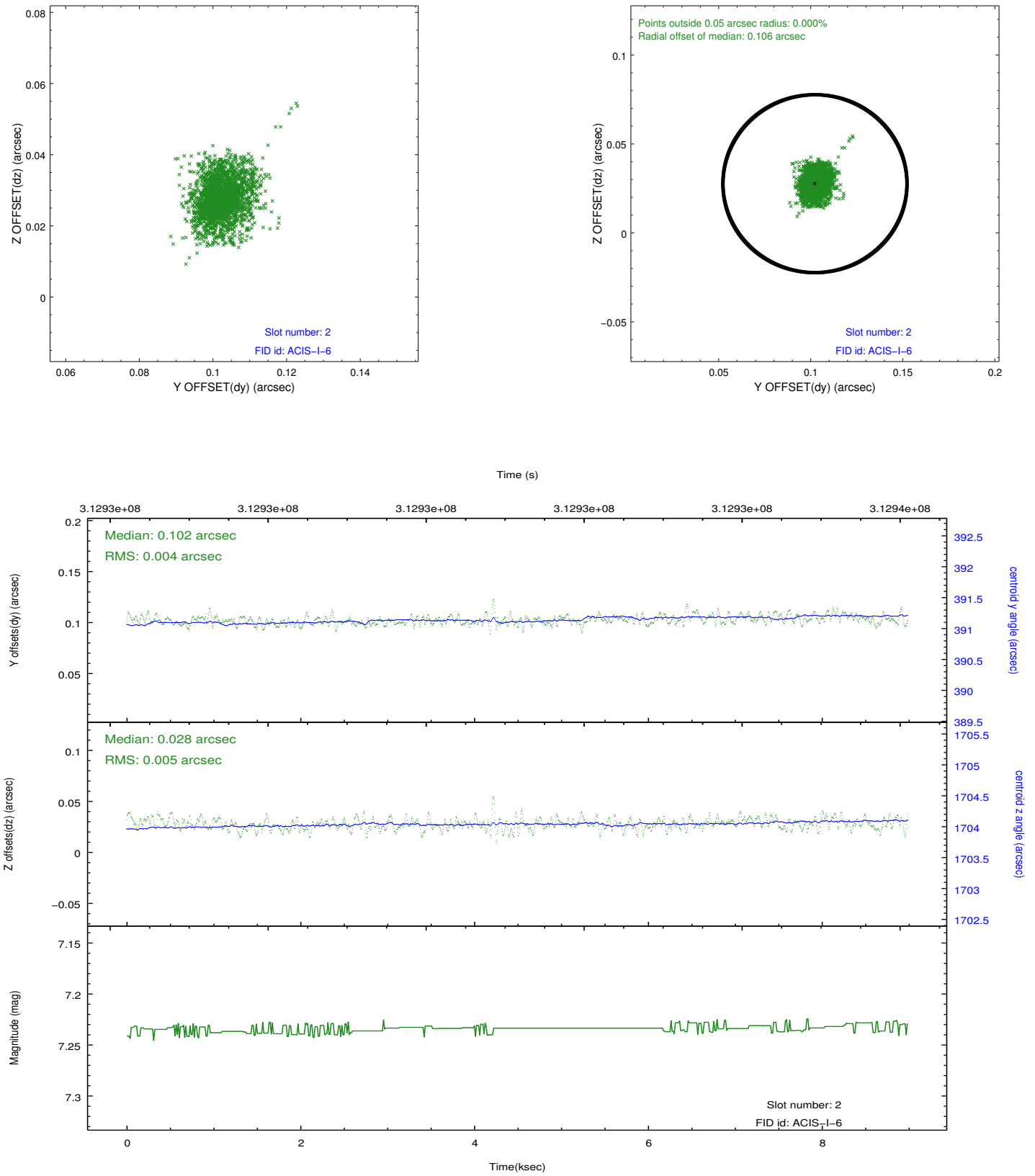
2.5.1 Slot 0



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)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.57770006

A.2 Comments