

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12896 - L2 Version 2
Chandra X-Ray Center

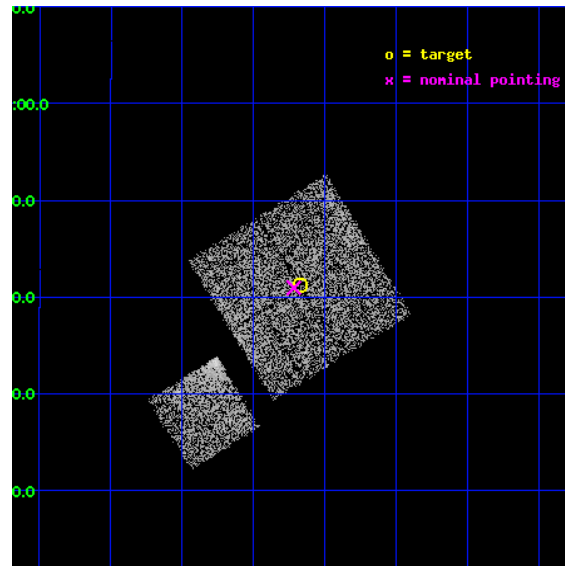
L2 Processing Date : Feb 18 2012

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1 Front

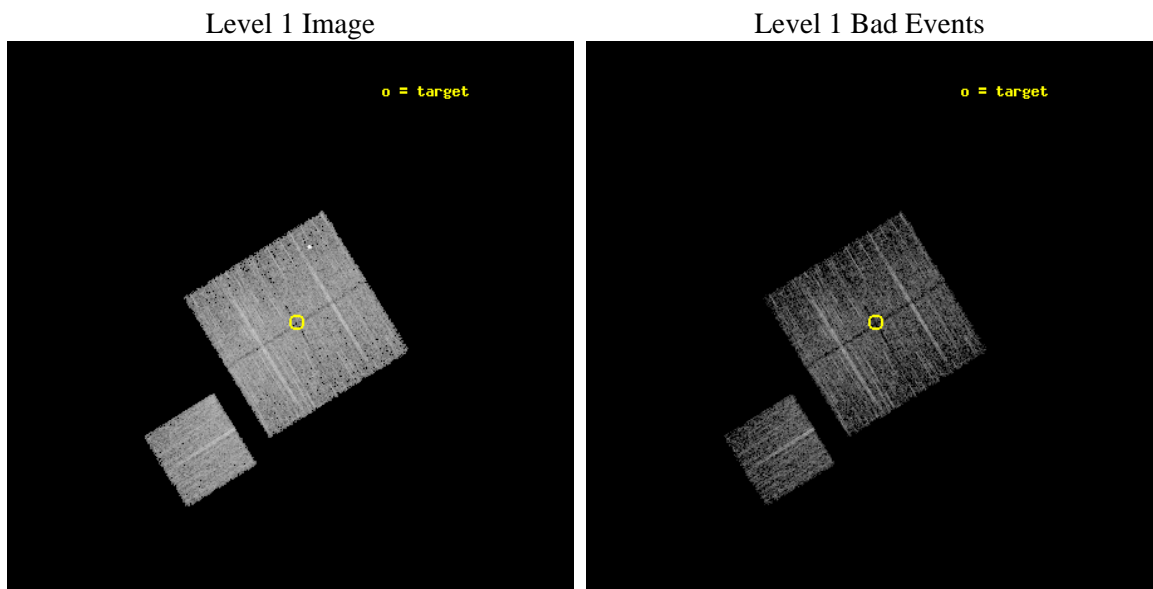
seq_num	801033	Sequence number
obs_id	12896	Observation id
title	The Outer Limits of Clusters with Chandra and Suzaku	Proposal titl
observer	Dr. Eric Miller	Principal investigator
object	A2204_Field2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.04287	Observer's specified target RA [deg]
dec_targ	5.686822	Observer's specified target Dec [deg]
ra_nom	248.05405211794	Nominal RA [deg]
dec_nom	5.6826717668482	Nominal Dec [deg]
roll_nom	238.31518093745	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5056.1000388861	Sum of GTIs [s]
livetime	4990.0383696313	Livetime [s]
ontime0	5056.1000388861	Sum of GTIs [s]
ontime1	5056.1000388861	Sum of GTIs [s]
ontime2	5056.1000388861	Sum of GTIs [s]
ontime3	5056.1000388861	Sum of GTIs [s]
ontime6	5056.1000388861	Sum of GTIs [s]
l2events	17354	Number of level 2 events



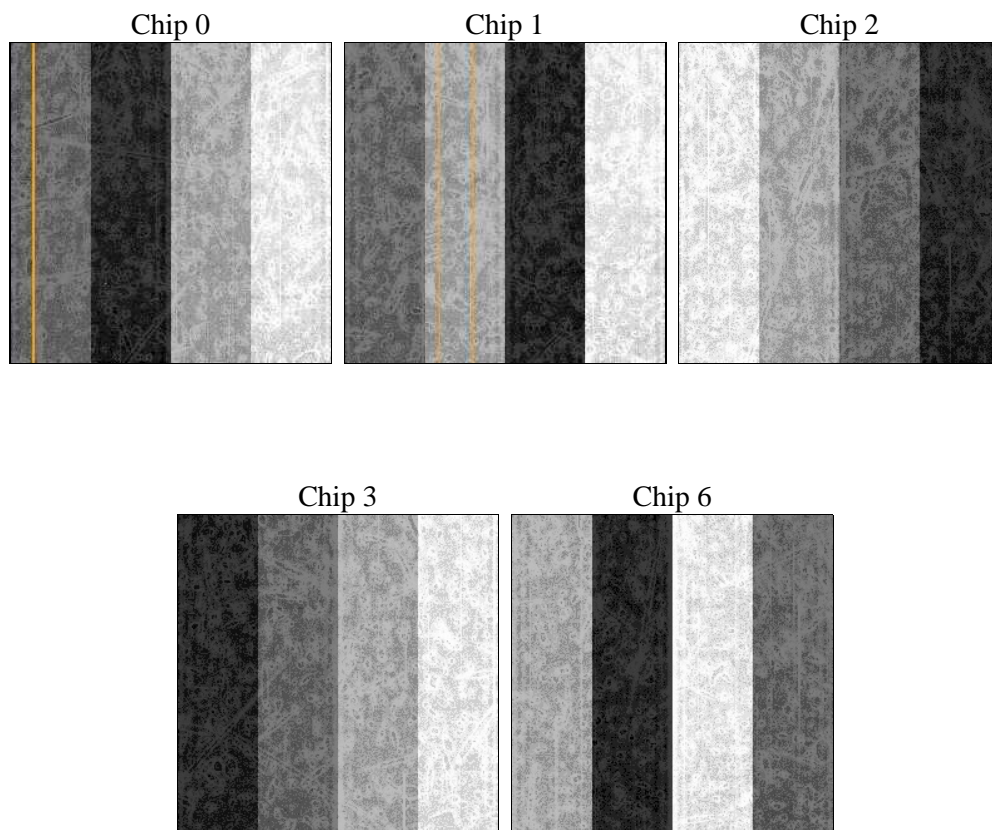
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5056.1000388861	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5056.1000388861	Sum of GTIs [s]
date	2012-02-18T04:37:52	Date and time of file creation	ontime1	5056.1000388861	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5056.1000388861	Sum of GTIs [s]
			ontime3	5056.1000388861	Sum of GTIs [s]
			ontime6	5056.1000388861	Sum of GTIs [s]
			l1events	154701	Number of level 1 events

2.1.4 Events

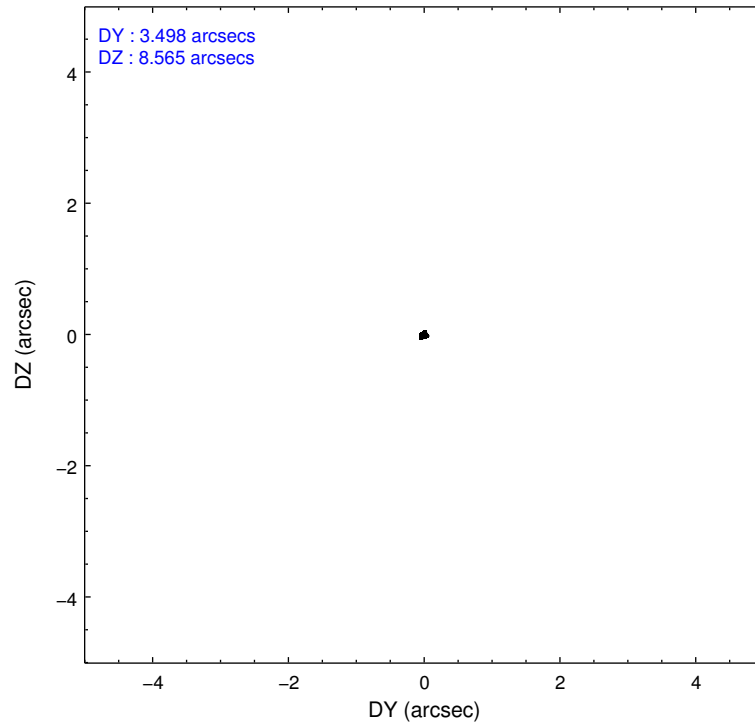
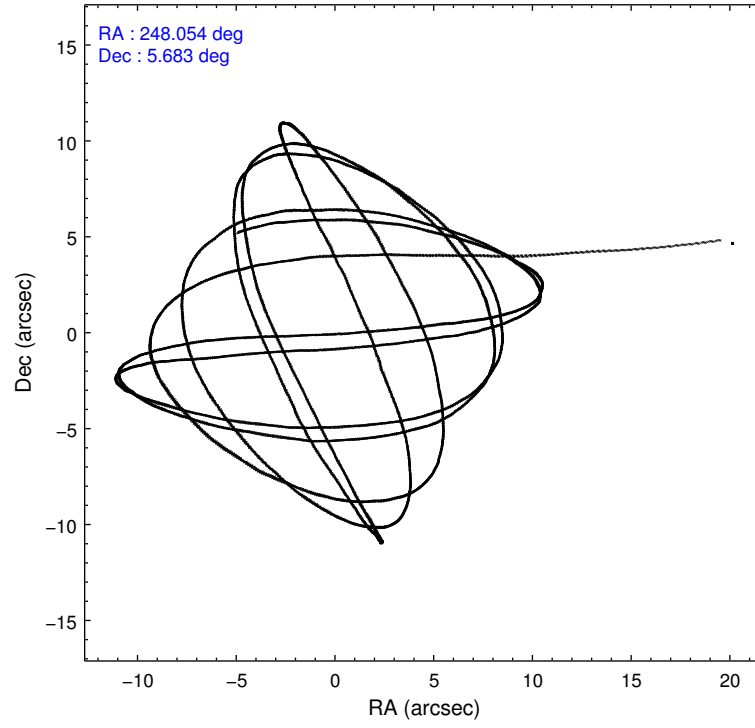
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	27850	29910	33528	31619	31794
rejected events	24154	24471	29498	27926	27076
rejected %	86%	81%	87%	88%	85%

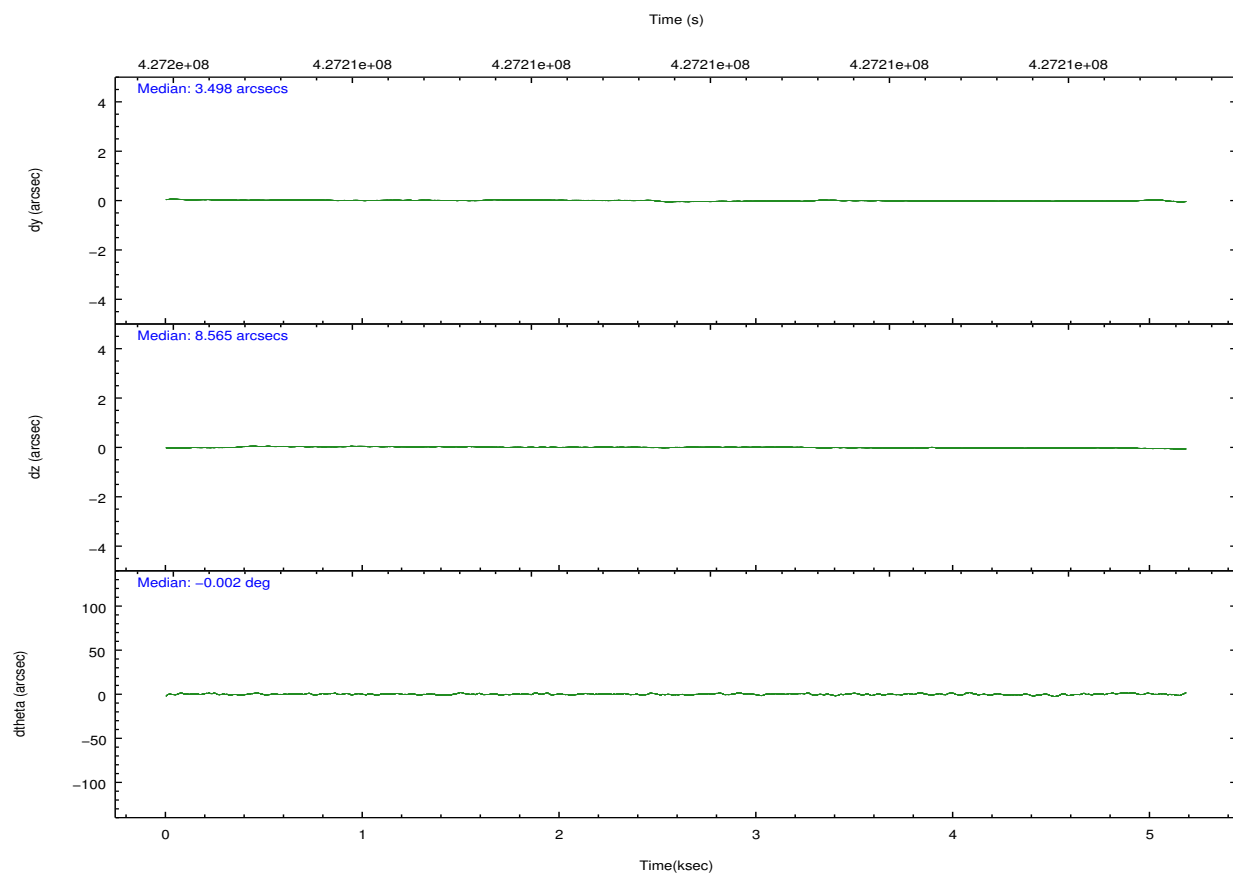
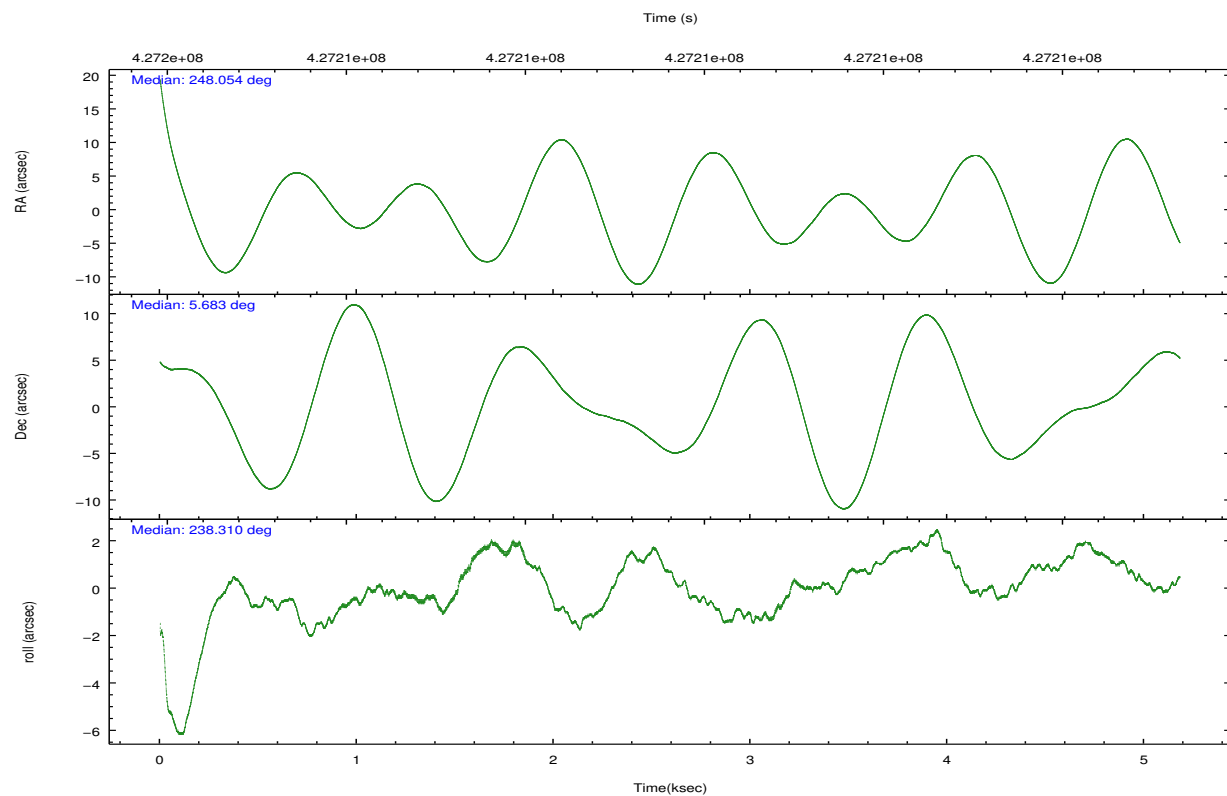
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1366	2930	1770	1554	2146
	4%	9%	5%	4%	6%
grade 1 events	20	24	16	20	25
	0%	0%	0%	0%	0%
grade 2 events	852	895	850	755	941
	3%	2%	2%	2%	2%
grade 3 events	406	405	395	344	384
	1%	1%	1%	1%	1%
grade 4 events	329	373	369	370	404
	1%	1%	1%	1%	1%
grade 5 events	1304	1370	1249	1517	1460
	4%	4%	3%	4%	4%
grade 6 events	745	840	652	670	848
	2%	2%	1%	2%	2%
grade 7 events	22828	23073	28227	26389	25586
	81%	77%	84%	83%	80%

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	248.054683	248.0540521179352	CCD I2 on	Y	Y
[deg] Pointing Dec	5.710135	5.682671766848172	CCD I3 on	Y	Y
[deg] Pointing Roll	238.106412	238.3151809374502	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)	427205401.184000	427204470.79356	CCD S5 on	N	N
Observation start date	2011-07-16T12:08:55	2011-07-16T11:54:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	427210401.184000	427211225.54391	On-chip summing requested	N	N
Observation end date	2011-07-16T13:32:15	2011-07-16T13:47:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



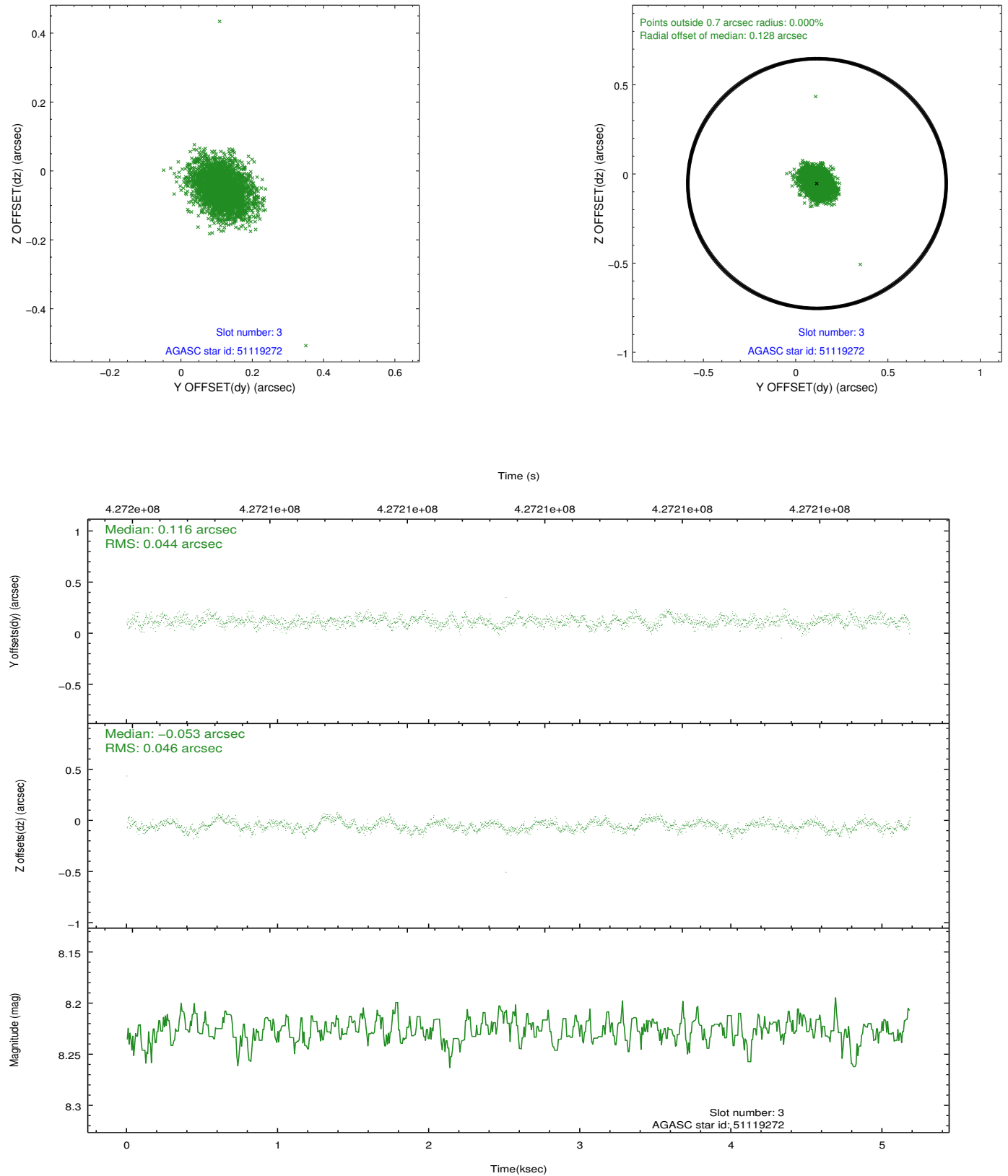


Slot Statistics

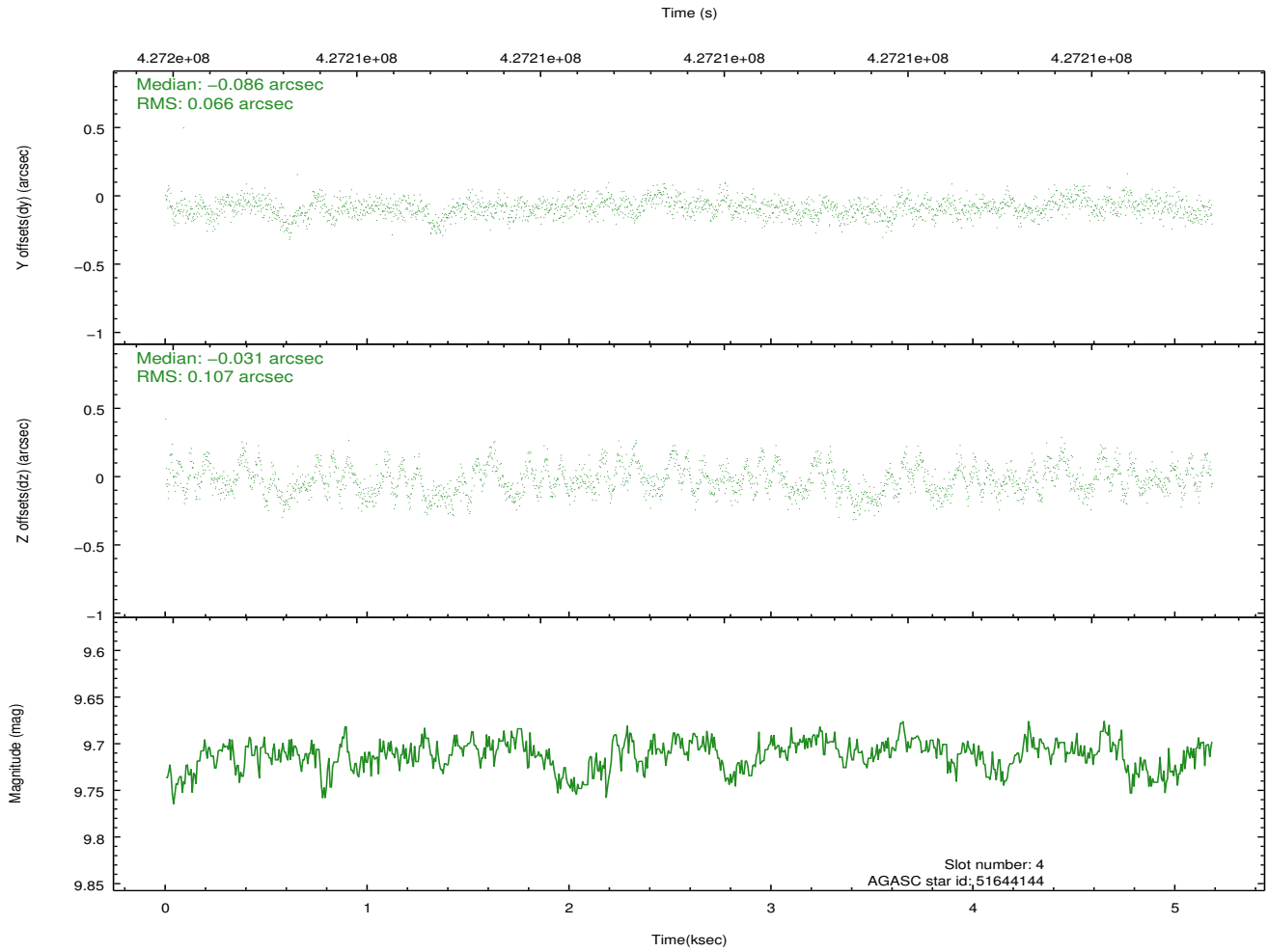
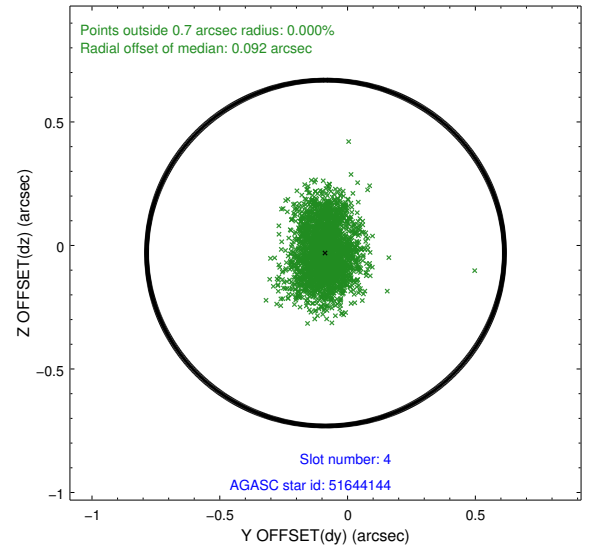
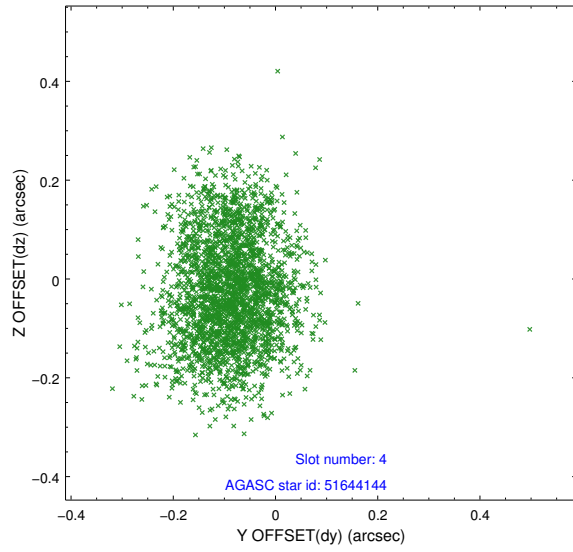
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.16	1264	-0.059	-0.023	0.007	0.012	0.000000	0.000000	936.23	-832.01
1	FID	ACIS-I-4	7.09	1264	0.113	0.022	0.007	0.012	0.000000	0.000000	2157.09	1067.26
2	FID	ACIS-I-6	7.16	1264	-0.151	0.065	0.007	0.013	0.000000	0.000000	403.54	1710.81
3	GUIDE	51119272	8.23	2528	0.116	-0.053	0.066	0.107	247.573996	5.444578	1722.08	-957.67
4	GUIDE	51644144	9.71	2528	-0.086	-0.031	0.135	0.216	247.733338	6.383296	-1449.00	-2257.16
5	GUIDE	51654128	9.47	2528	0.164	0.153	0.106	0.167	247.812718	5.709507	459.99	-735.39
6	GUIDE	49951224	7.10	2529	-0.067	-0.062	0.078	0.132	247.462981	5.970786	322.60	-2295.26
7	GUIDE	51645232	9.42	2515	-0.129	-0.012	0.097	0.164	248.578272	6.115031	-2228.00	819.68

2.4 Star Slots

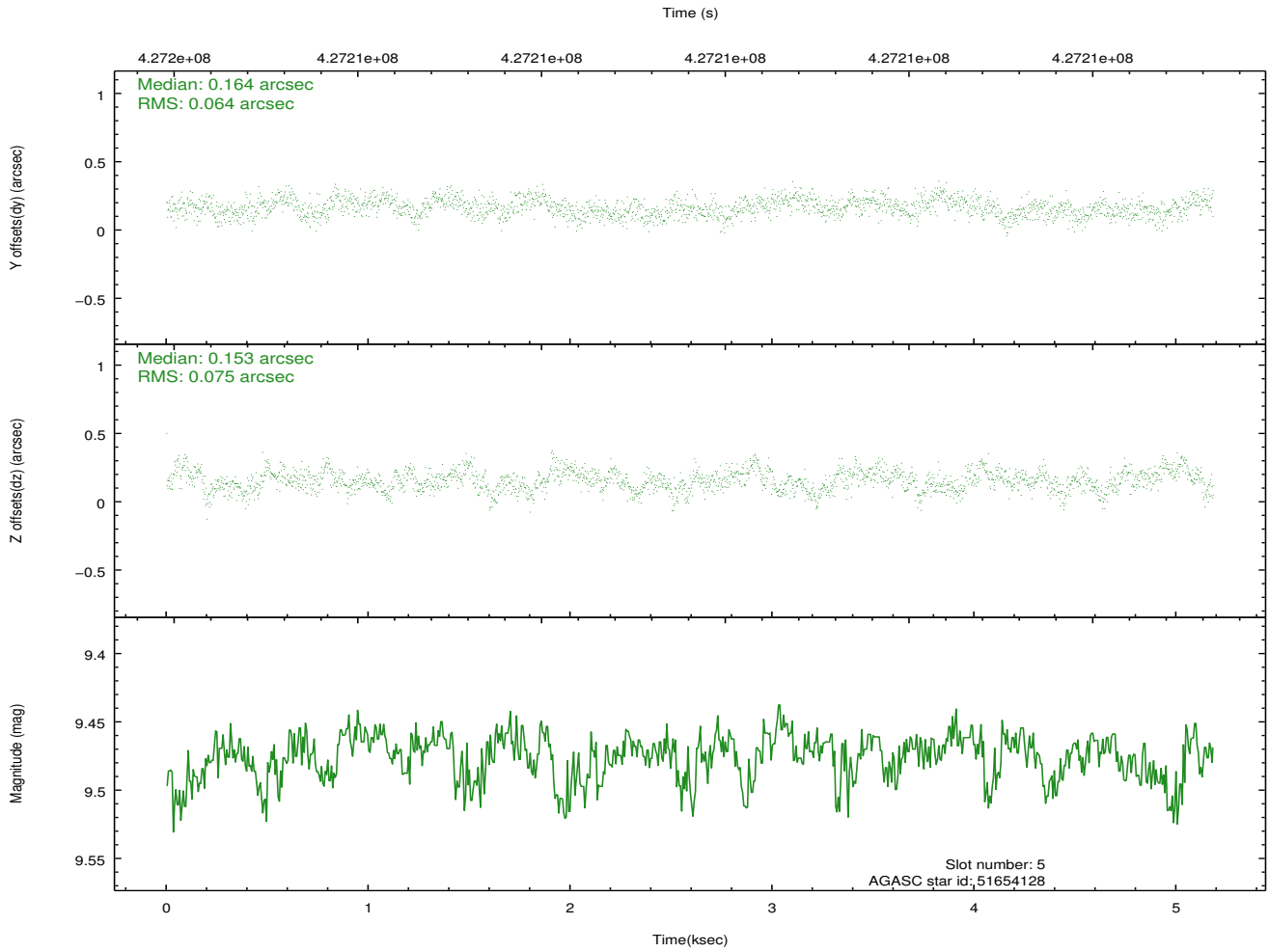
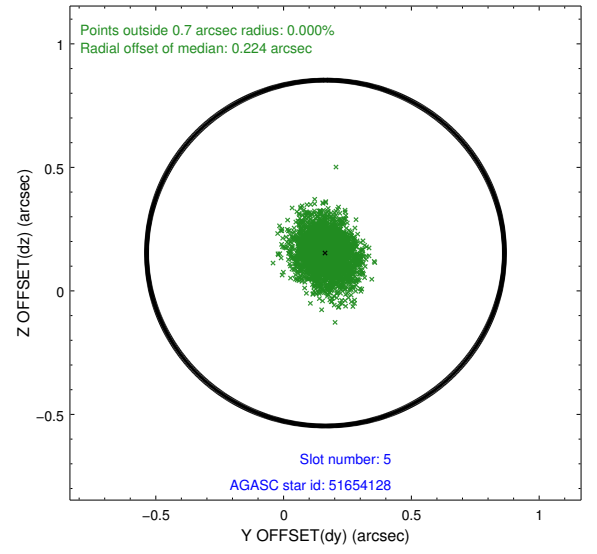
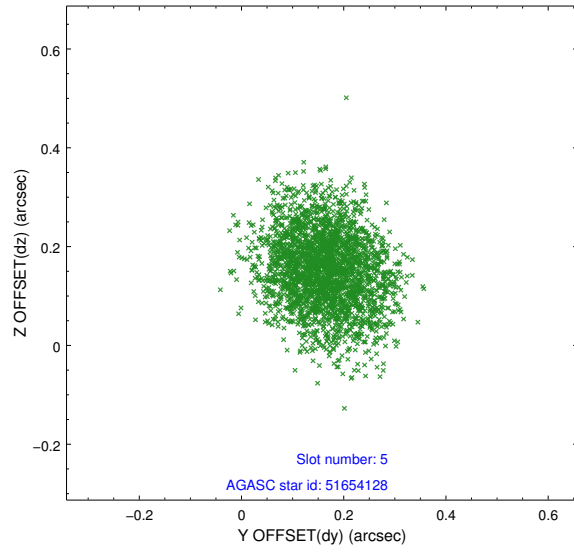
2.4.1 Slot 3



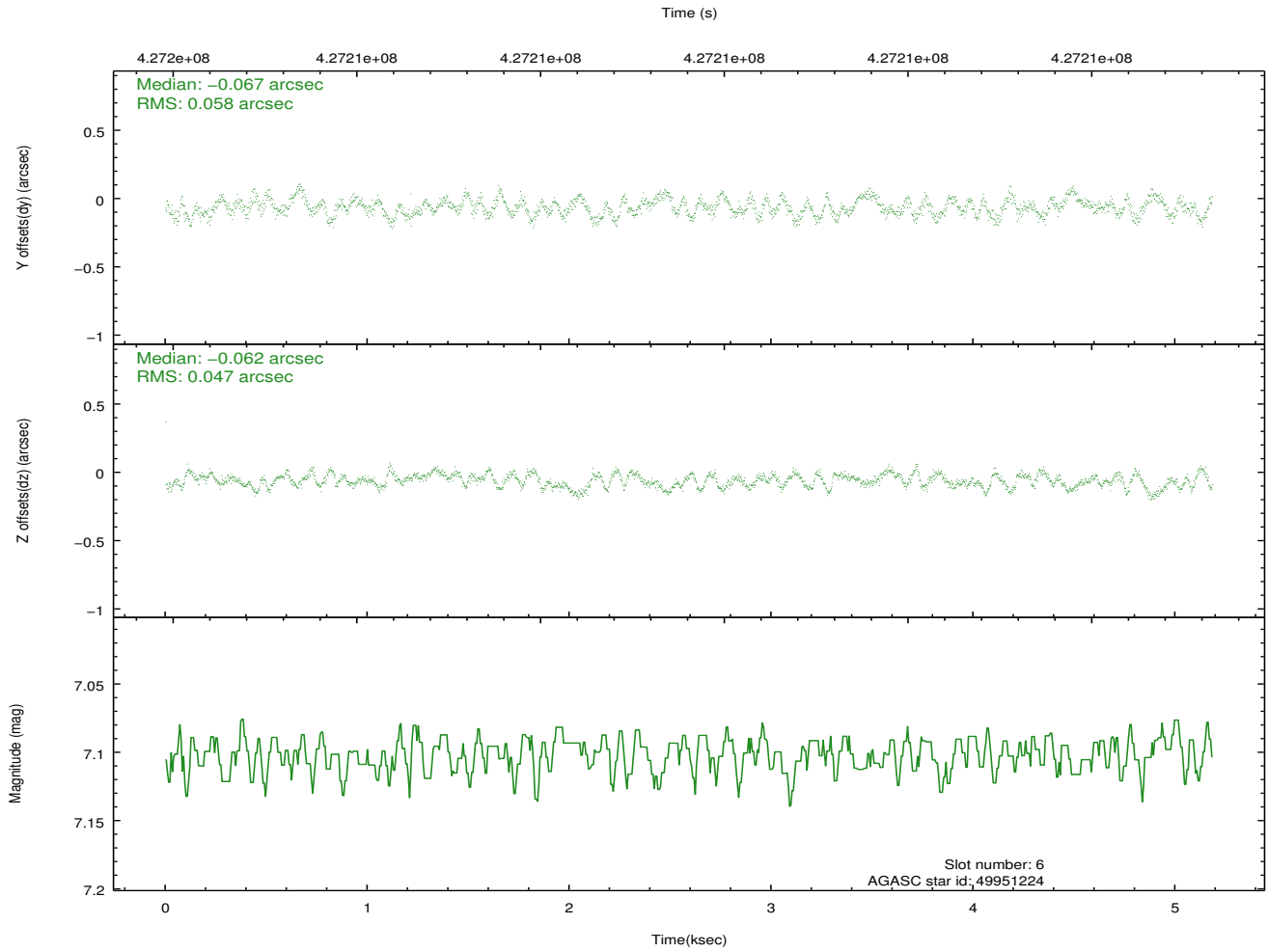
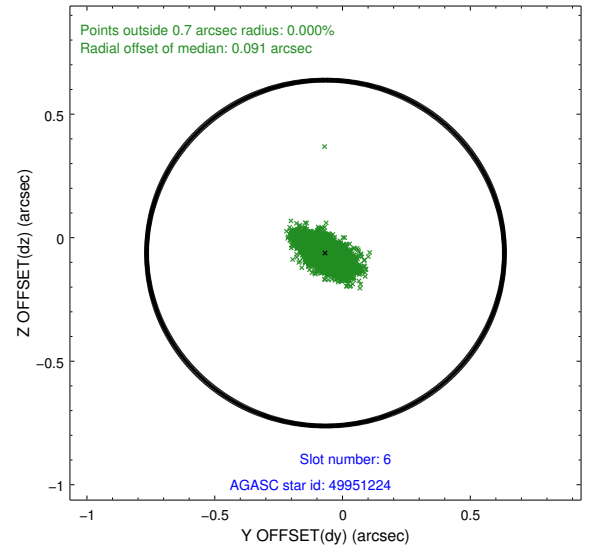
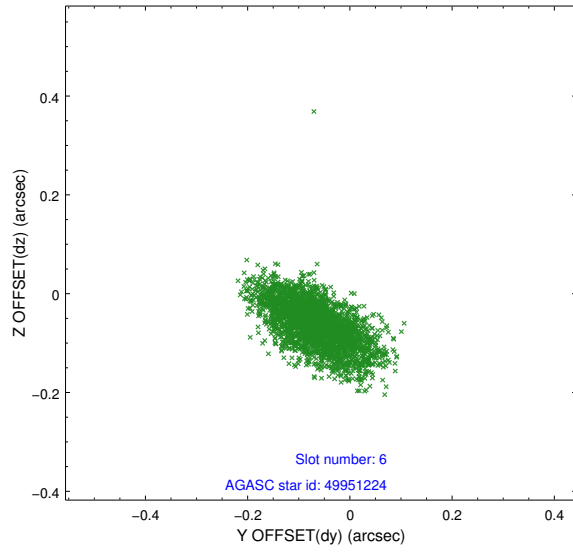
2.4.2 Slot 4



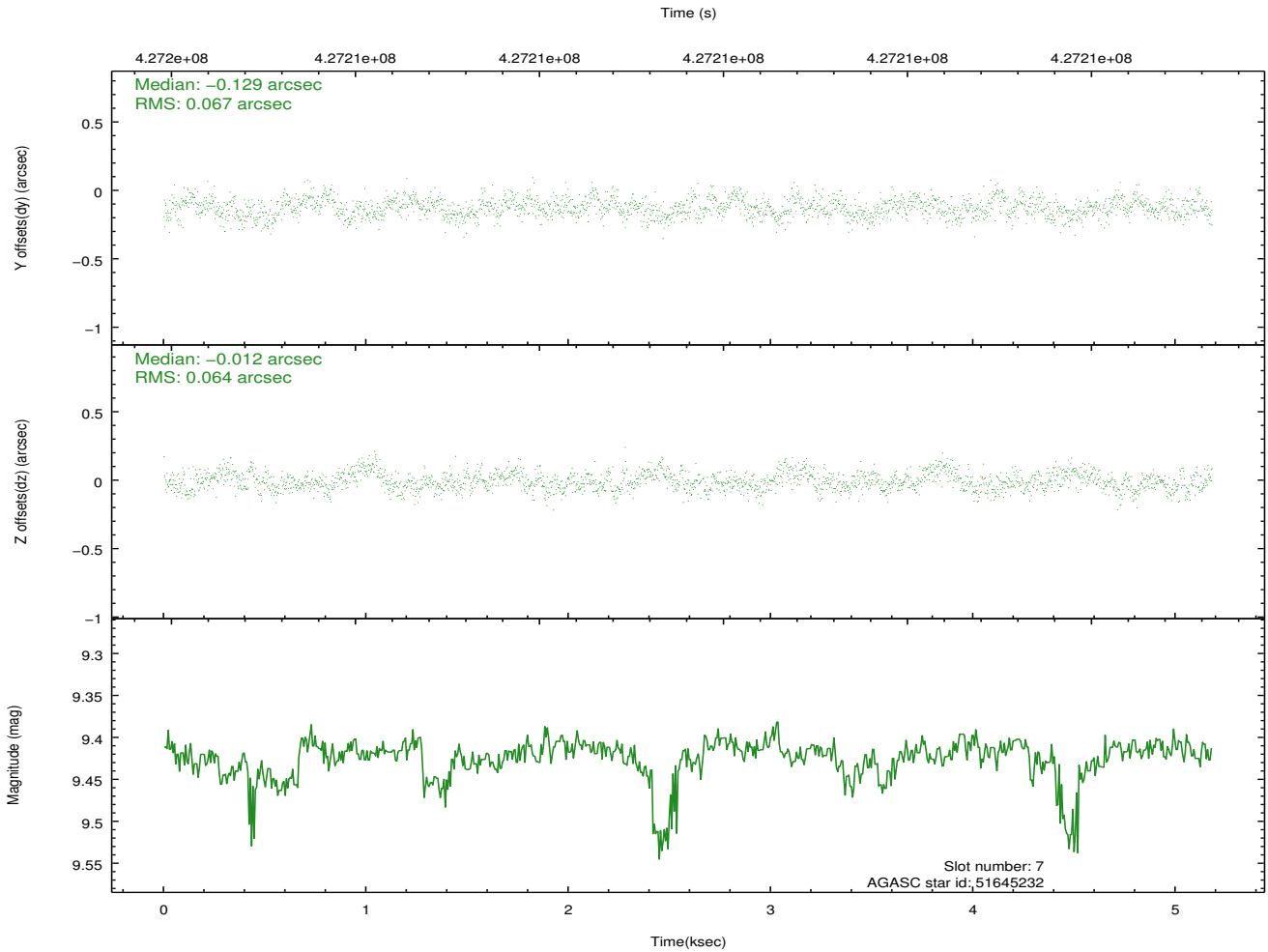
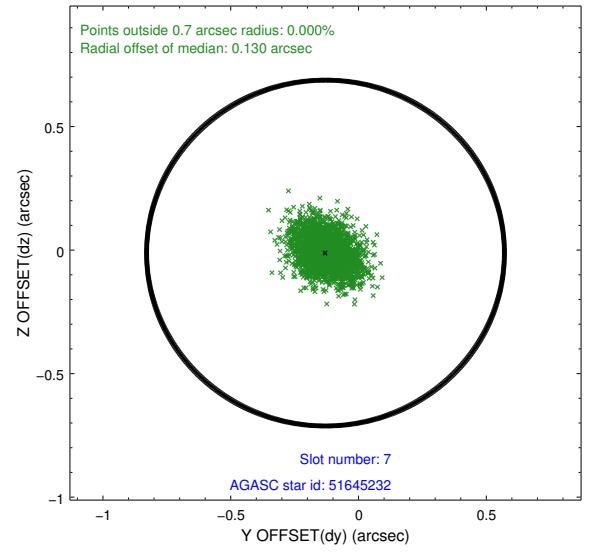
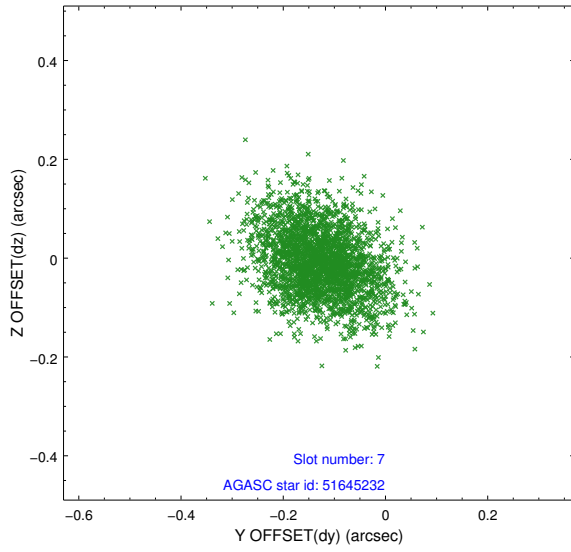
2.4.3 Slot 5



2.4.4 Slot 6

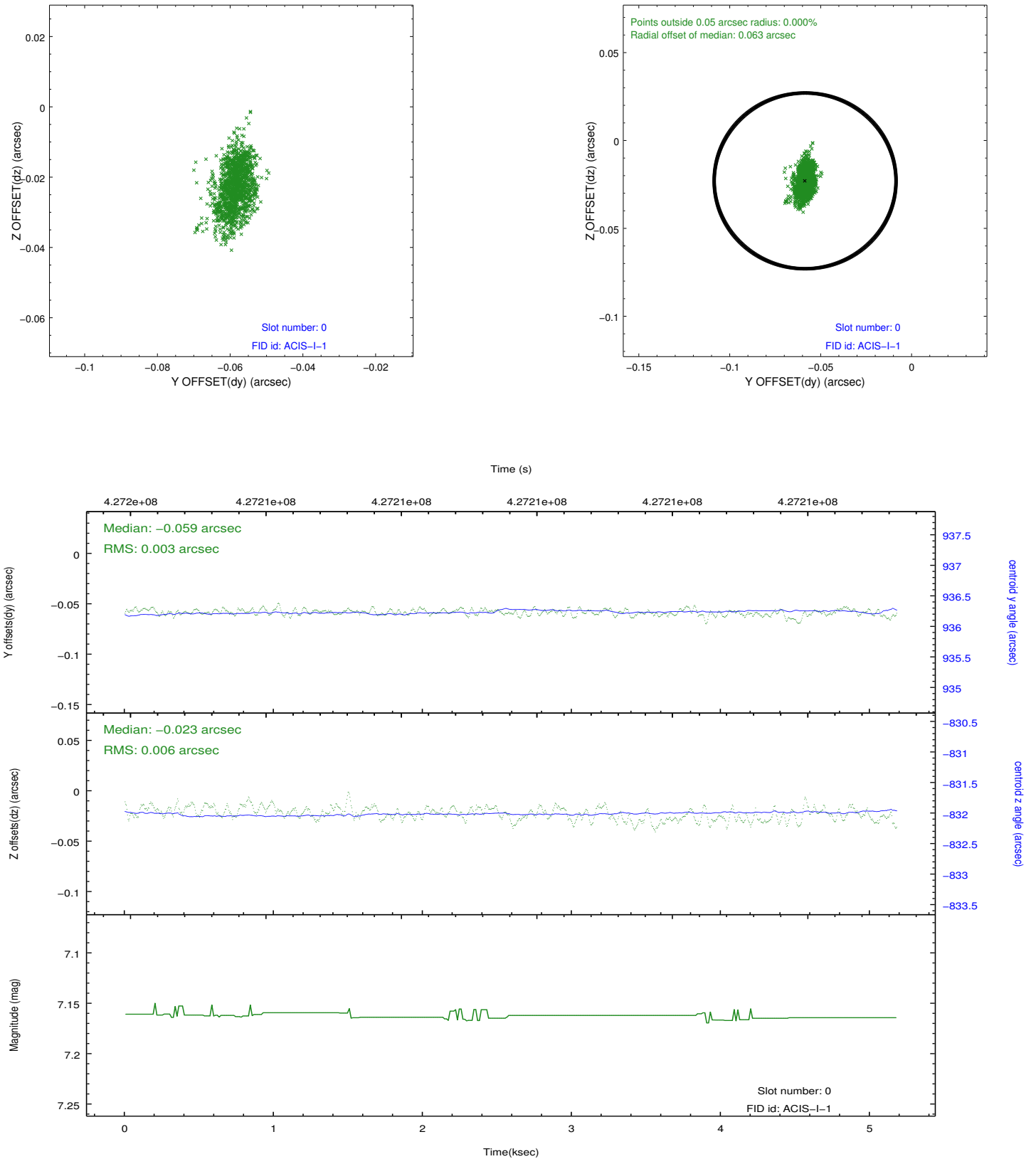


2.4.5 Slot 7

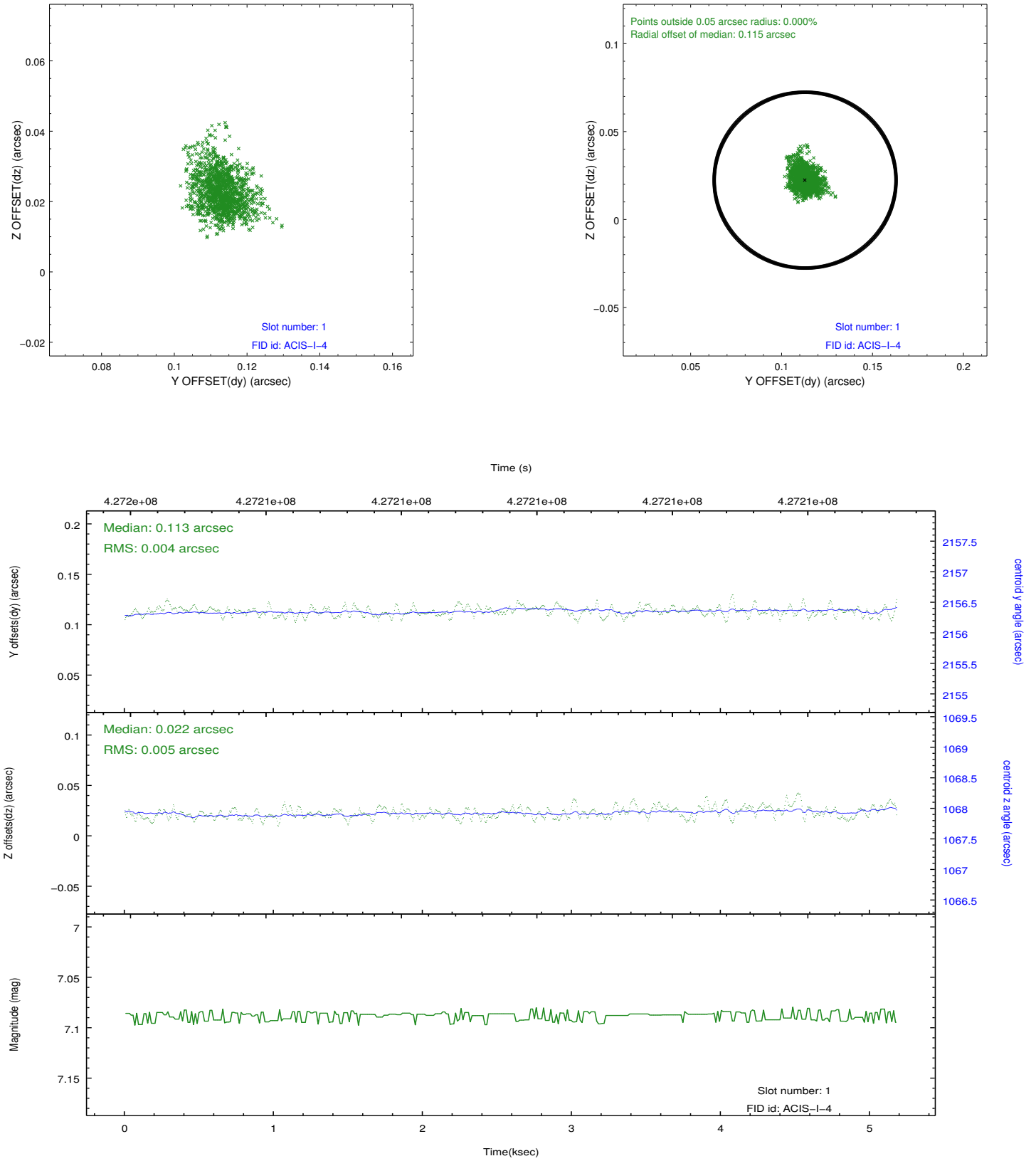


2.5 FID Slots

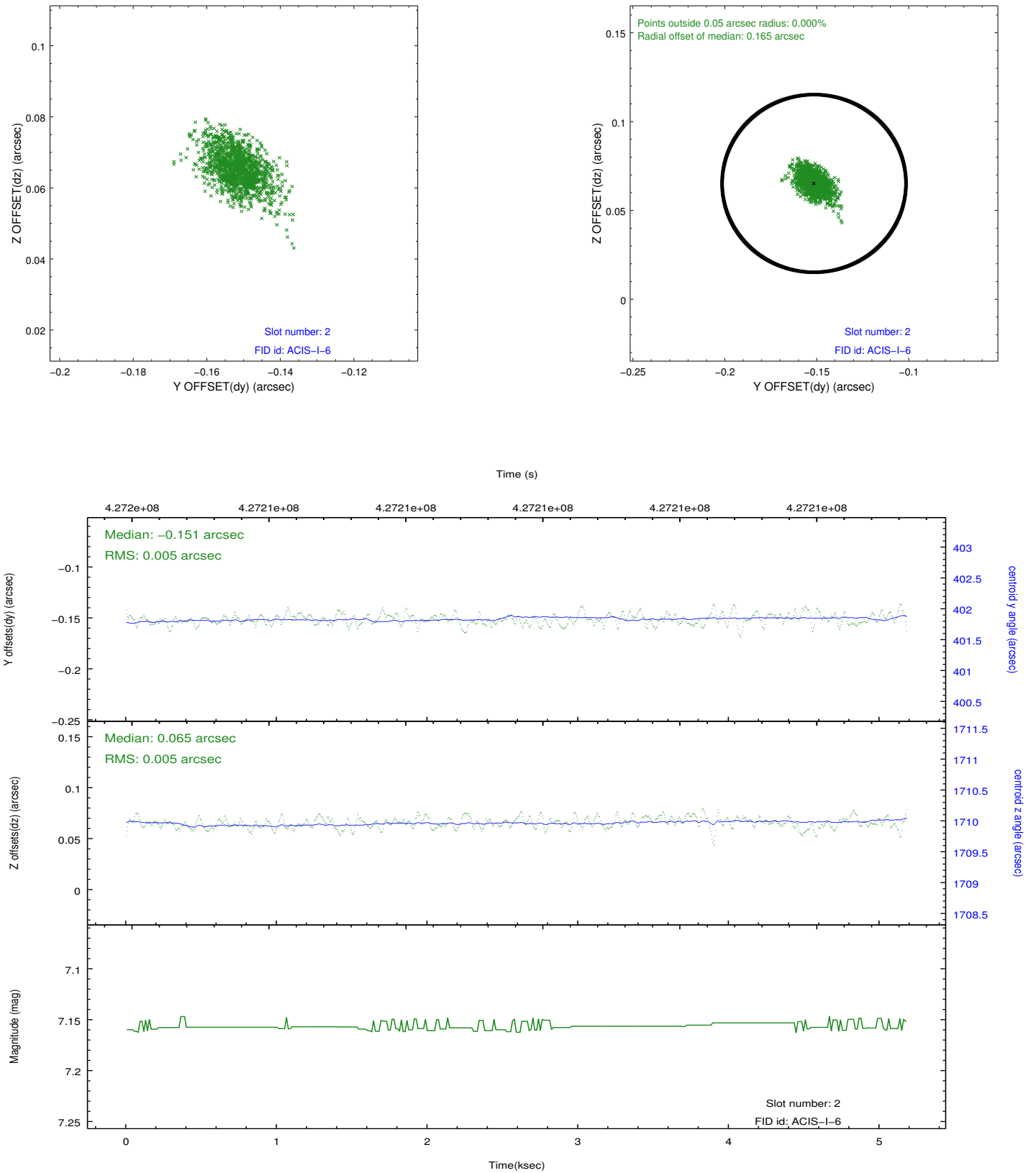
2.5.1 Slot 0



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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0561000388861

A.2 Comments