

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13598 - L2 Version 1
Chandra X-Ray Center

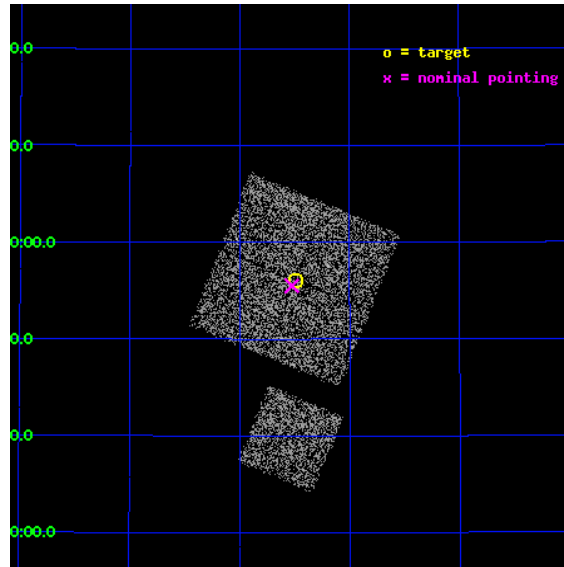
L2 Processing Date : Mar 14 2012

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1 Front

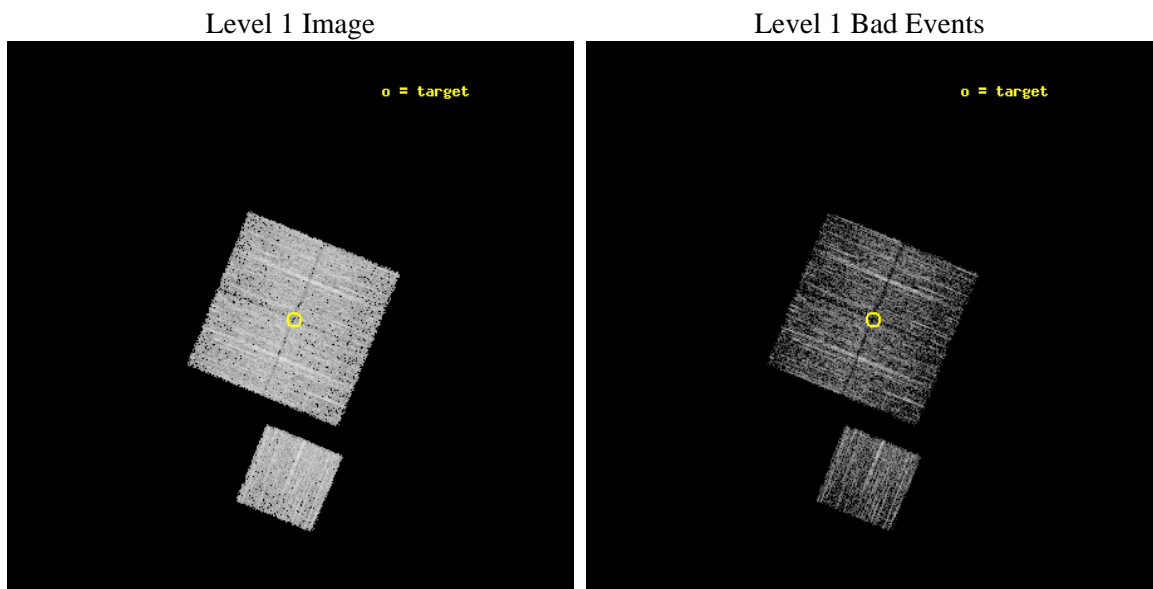
seq_num	801159	Sequence number
obs_id	13598	Observation id
title	To The Outer Limits of Clusters with Chandra and Suzaku	Proposal t
observer	Dr. Eric Miller	Principal investigator
object	A1068	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	159.87249	Observer's specified target RA [deg]
dec_targ	39.934132	Observer's specified target Dec [deg]
ra_nom	159.88121011985	Nominal RA [deg]
dec_nom	39.925130839772	Nominal Dec [deg]
roll_nom	202.27133509557	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5083.2293468714	Sum of GTIs [s]
livetime	5016.8132132355	Livetime [s]
ontime0	5086.329287231	Sum of GTIs [s]
ontime1	5083.2293468714	Sum of GTIs [s]
ontime2	5086.4113672376	Sum of GTIs [s]
ontime3	5086.4524072409	Sum of GTIs [s]
ontime6	5083.1472768188	Sum of GTIs [s]
l2events	13268	Number of level 2 events



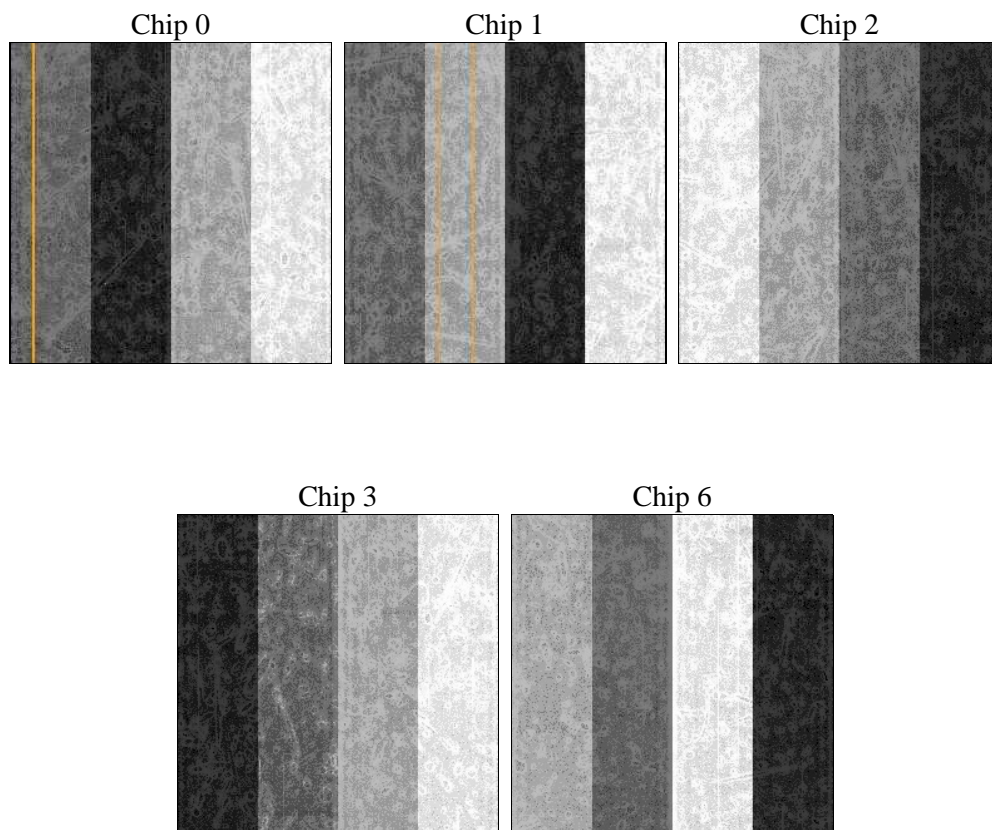
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.100000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5083.2293468714	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5086.329287231	Sum of GTIs [s]
date	2012-03-14T04:26:24	Date and time of file creation	ontime1	5083.2293468714	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5086.4113672376	Sum of GTIs [s]
			ontime3	5086.4524072409	Sum of GTIs [s]
			ontime6	5083.1472768188	Sum of GTIs [s]
			l1events	120109	Number of level 1 events

2.1.4 Events

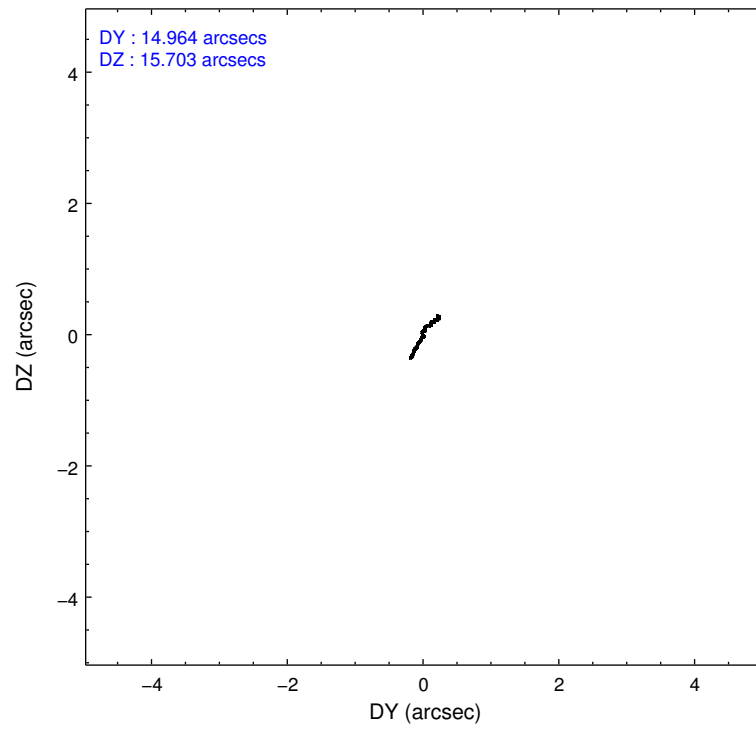
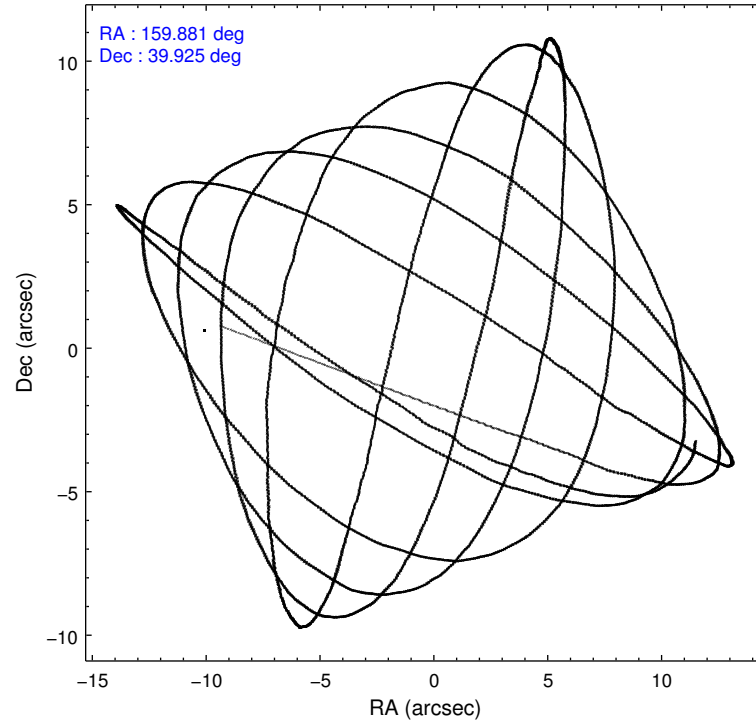
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	22794	23639	23595	24640	25441
rejected events	19458	20232	20246	21838	22258
rejected %	85%	85%	85%	88%	87%

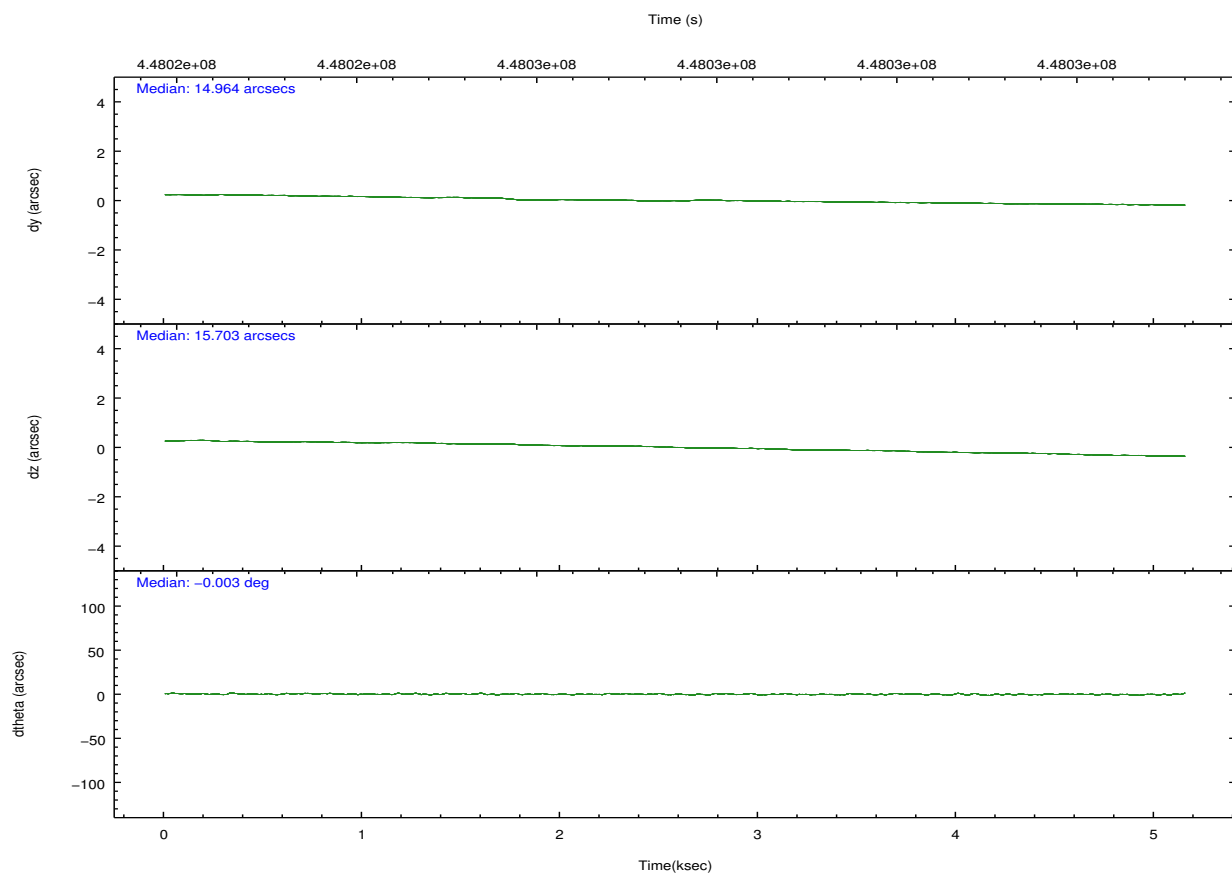
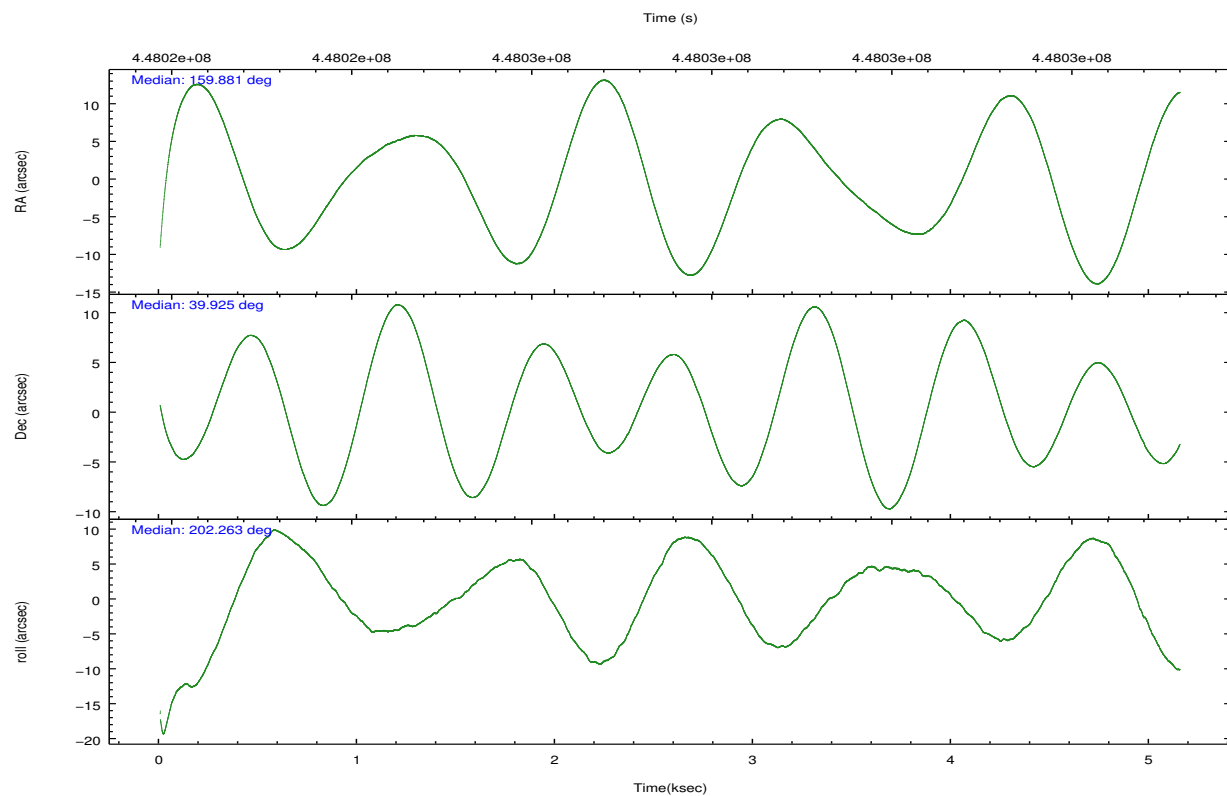
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1238	1240	1381	1041	1134
	5%	5%	5%	4%	4%
grade 1 events	16	12	14	13	21
	0%	0%	0%	0%	0%
grade 2 events	801	821	782	673	746
	3%	3%	3%	2%	2%
grade 3 events	304	342	263	294	324
	1%	1%	1%	1%	1%
grade 4 events	305	334	323	271	318
	1%	1%	1%	1%	1%
grade 5 events	1094	1231	1083	1266	1218
	4%	5%	4%	5%	4%
grade 6 events	691	675	608	530	669
	3%	2%	2%	2%	2%
grade 7 events	18345	18984	19141	20552	21011
	80%	80%	81%	83%	82%

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	159.902965	159.8812101198531	CCD I2 on	Y	Y
[deg] Pointing Dec	39.947013	39.92513083977157	CCD I3 on	Y	Y
[deg] Pointing Roll	202.048707	202.2713350955692	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)	448024351.184000	448023137.51455	CCD S5 on	N	N
Observation start date	2012-03-13T11:11:25	2012-03-13T10:52:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	448029351.184000	448029587.83989	On-chip summing requested	N	N
Observation end date	2012-03-13T12:34:45	2012-03-13T12:39:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



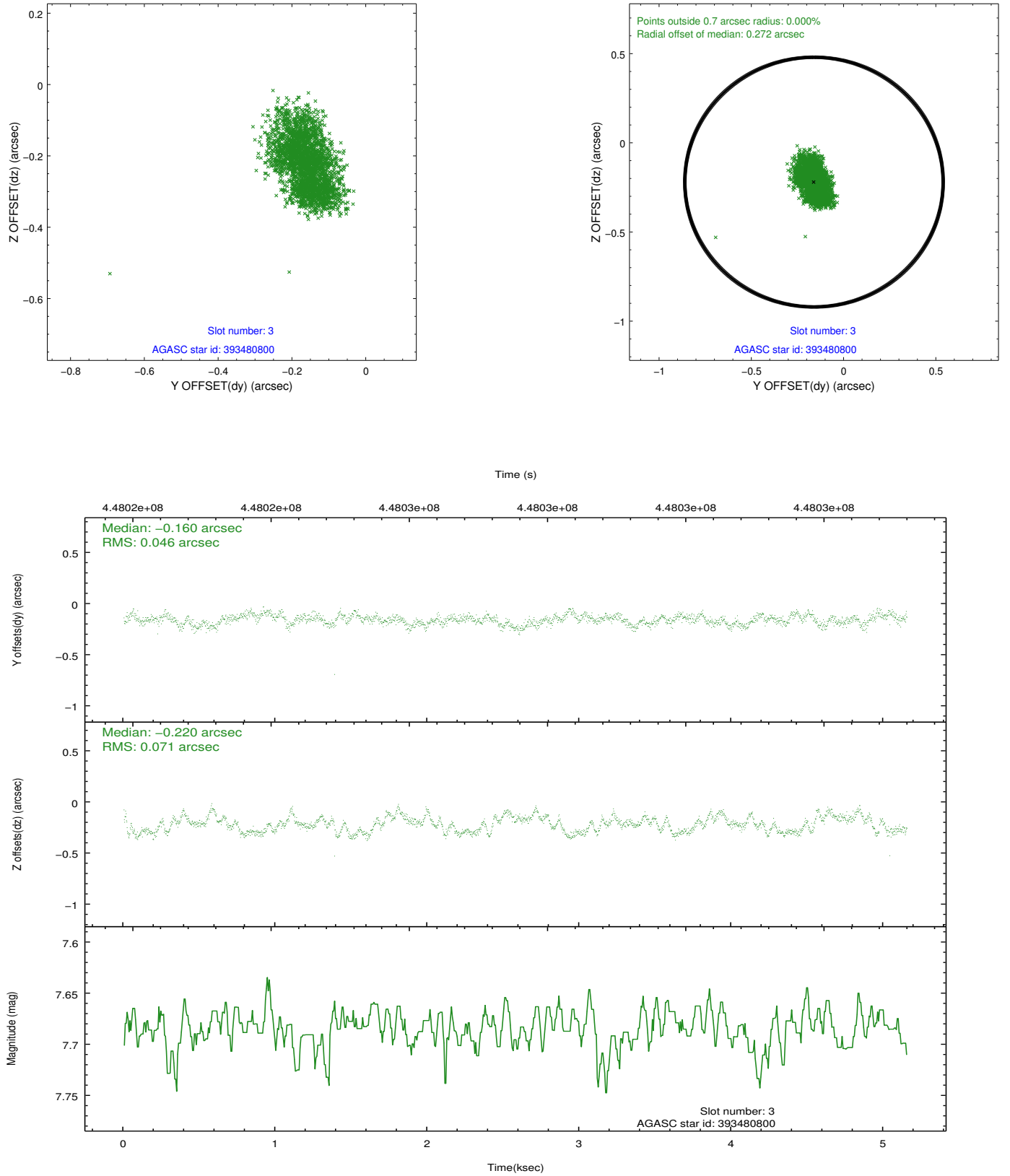


Slot Statistics

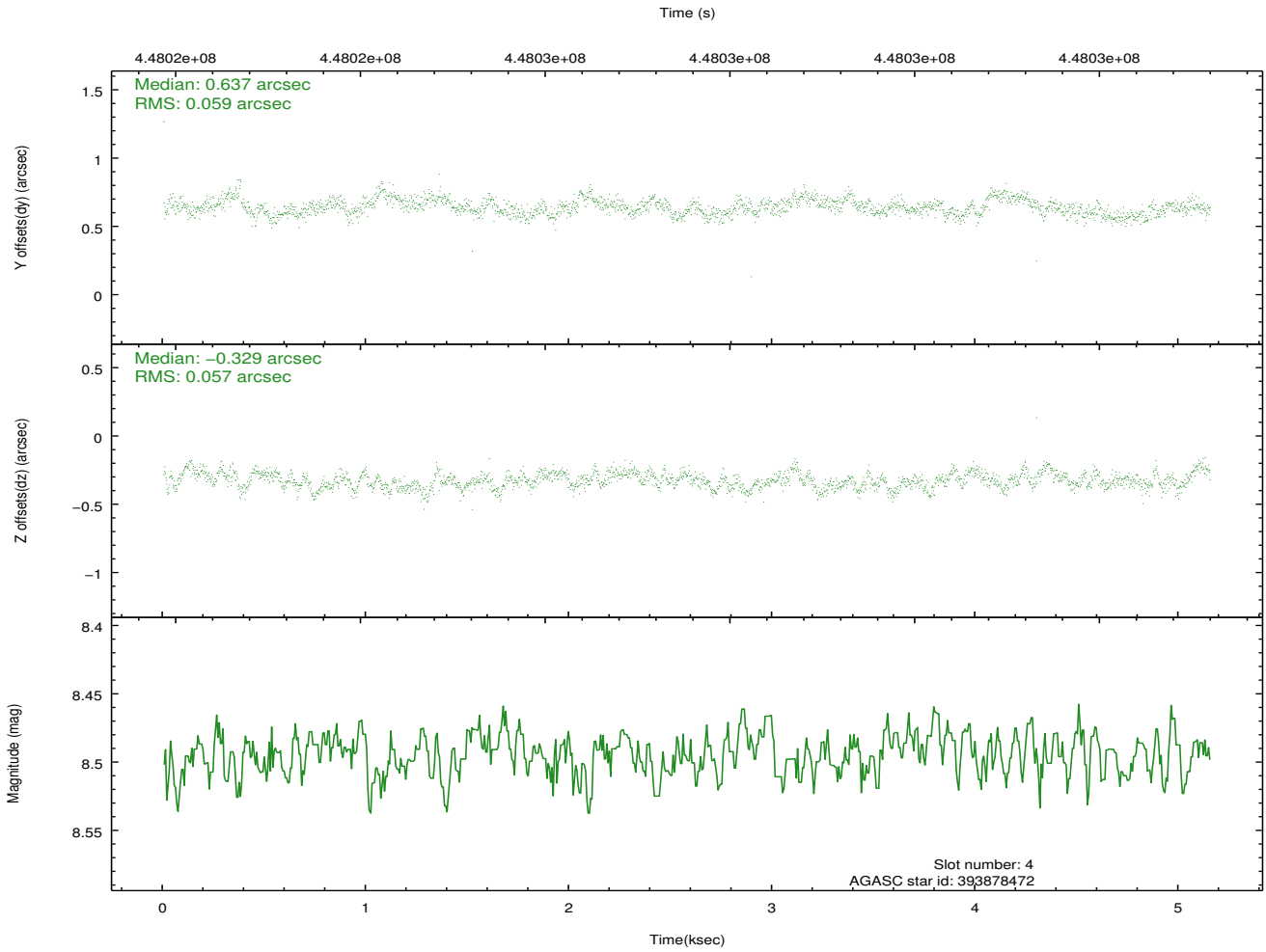
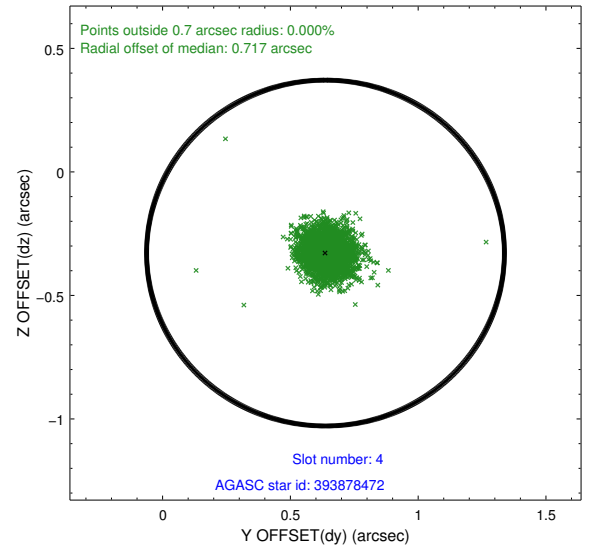
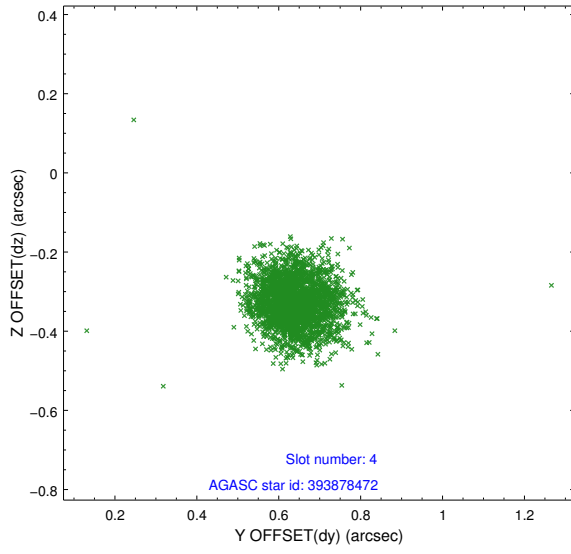
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.96	1257	0.002	-0.049	0.019	0.029	0.000000	0.000000	924.49	-839.35
1	FID	ACIS-I-4	6.89	1257	0.147	0.056	0.014	0.021	0.000000	0.000000	2145.31	1059.99
2	FID	ACIS-I-5	6.95	1257	-0.248	0.063	0.009	0.013	0.000000	0.000000	-1822.27	1059.13
3	GUIDE	393480800	7.68	2514	-0.160	-0.220	0.091	0.141	159.955558	39.404672	597.40	1864.37
4	GUIDE	393878472	8.49	2511	0.637	-0.329	0.085	0.136	159.653339	40.322119	129.36	-1509.29
5	GUIDE	394405296	8.74	2510	-0.185	0.123	0.089	0.143	160.050441	40.278361	-822.69	-954.48
6	GUIDE	394407680	9.14	2512	-0.181	0.216	0.102	0.167	160.045368	40.603600	-1247.96	-2045.41
7	GUIDE	394408776	9.30	2512	-0.111	0.215	0.107	0.173	160.059246	40.119309	-629.34	-414.16

2.4 Star Slots

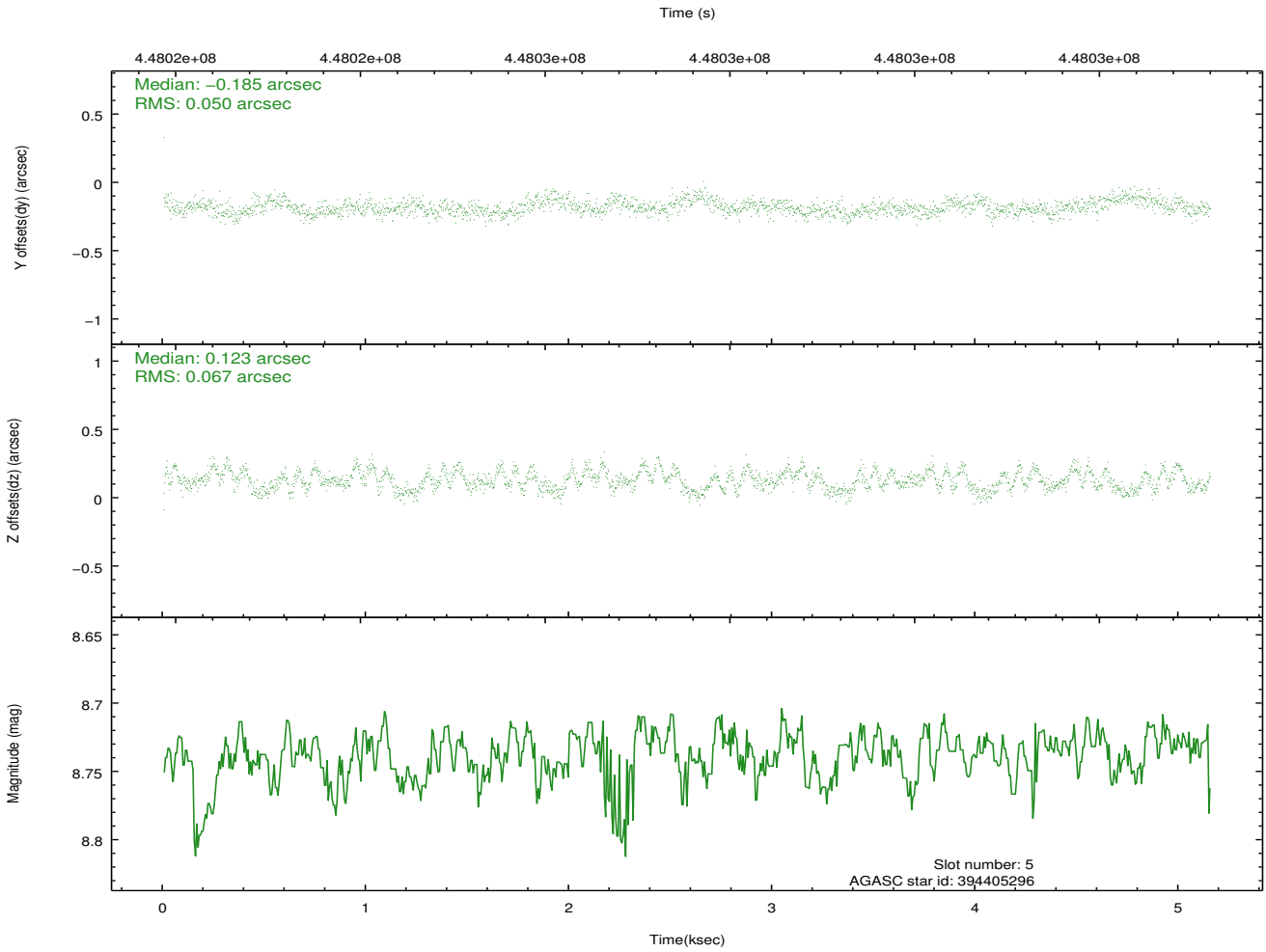
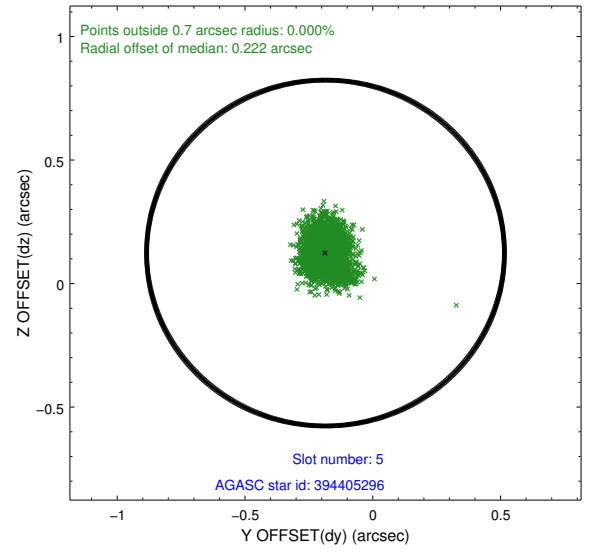
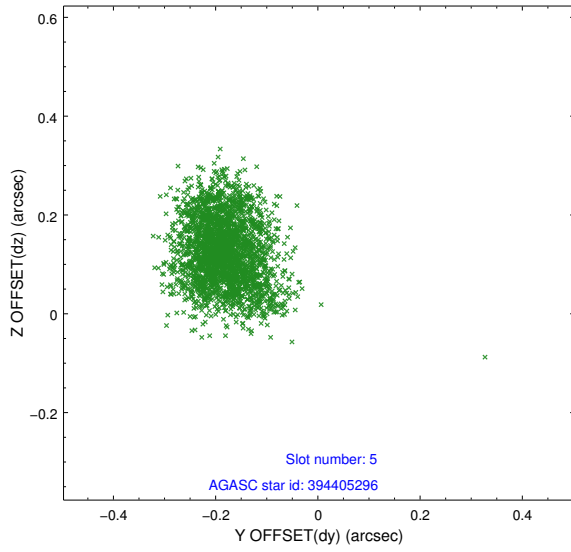
2.4.1 Slot 3



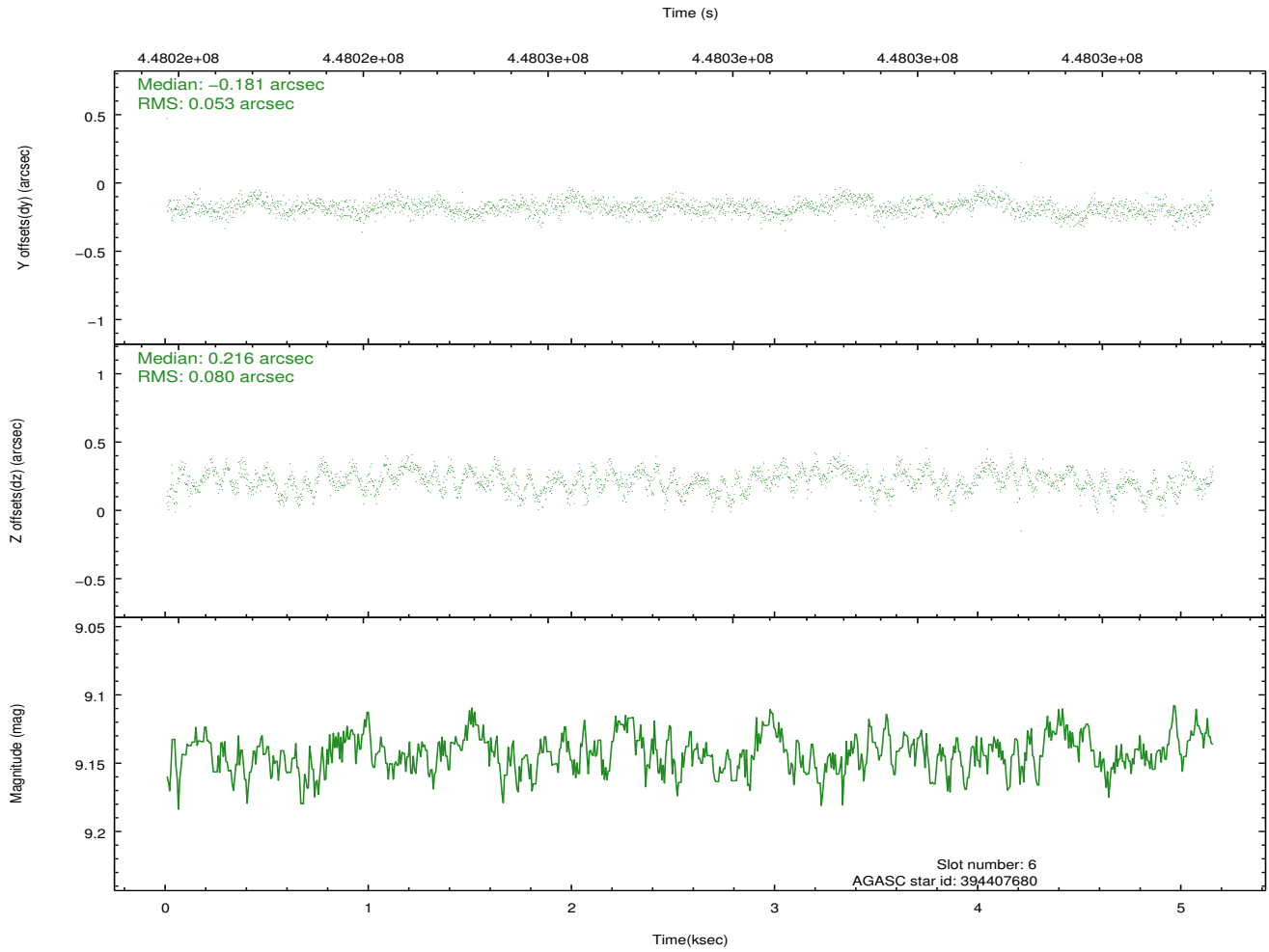
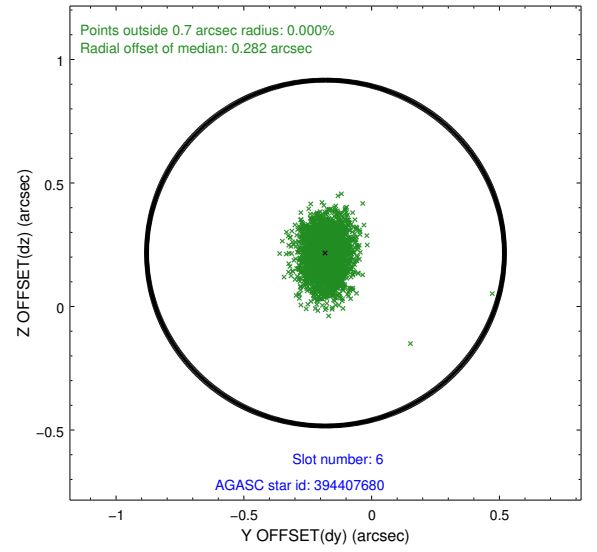
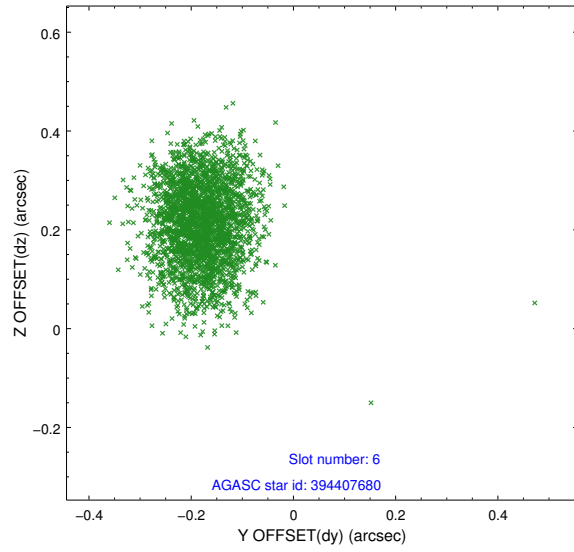
2.4.2 Slot 4



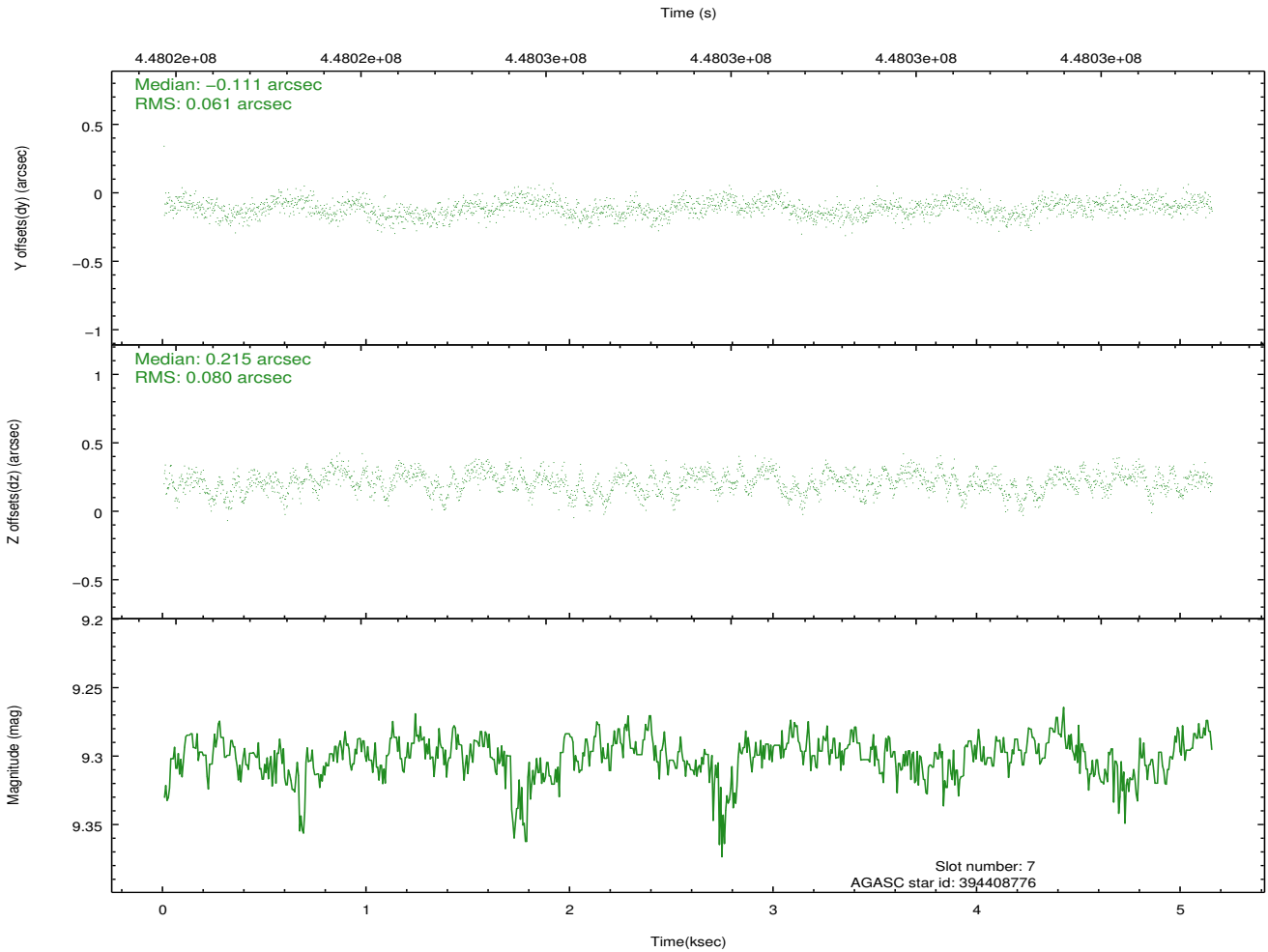
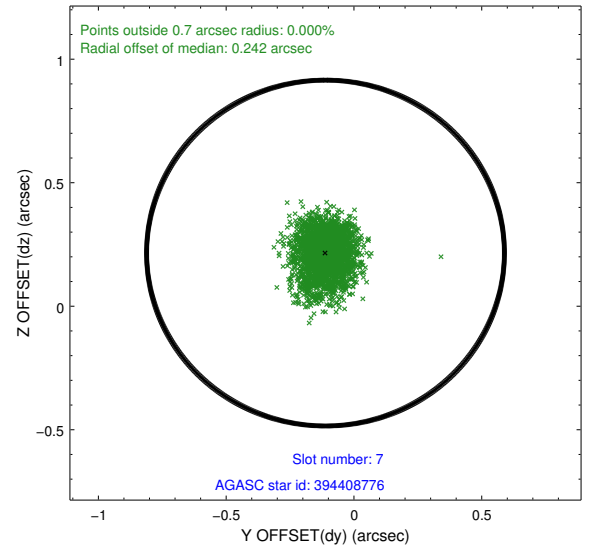
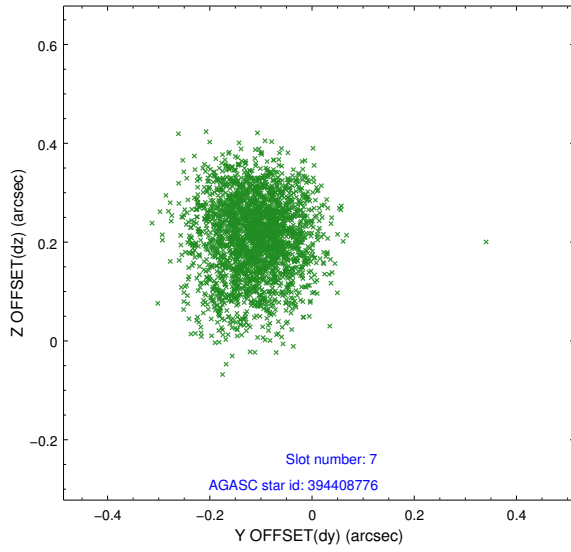
2.4.3 Slot 5



2.4.4 Slot 6

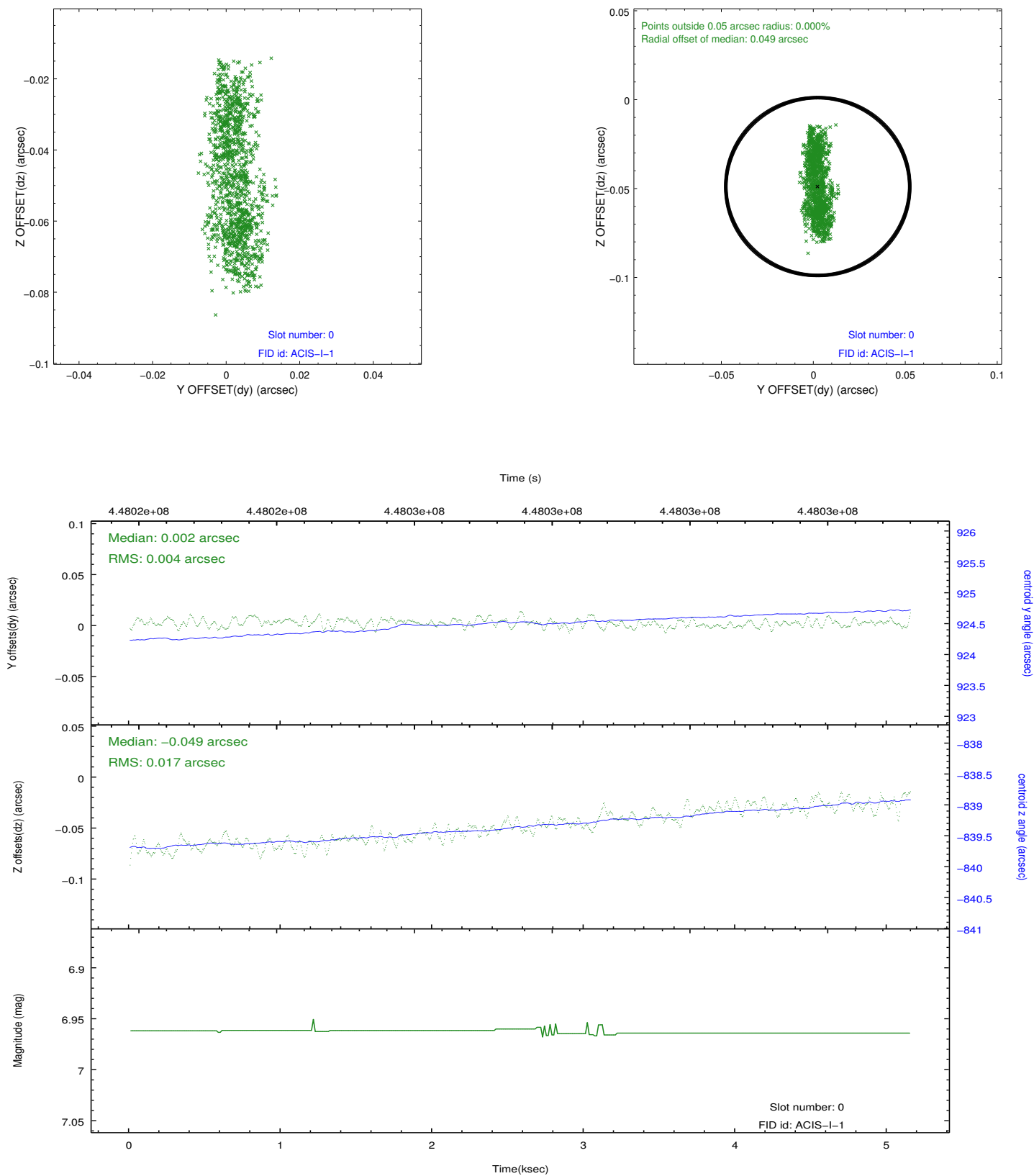


2.4.5 Slot 7

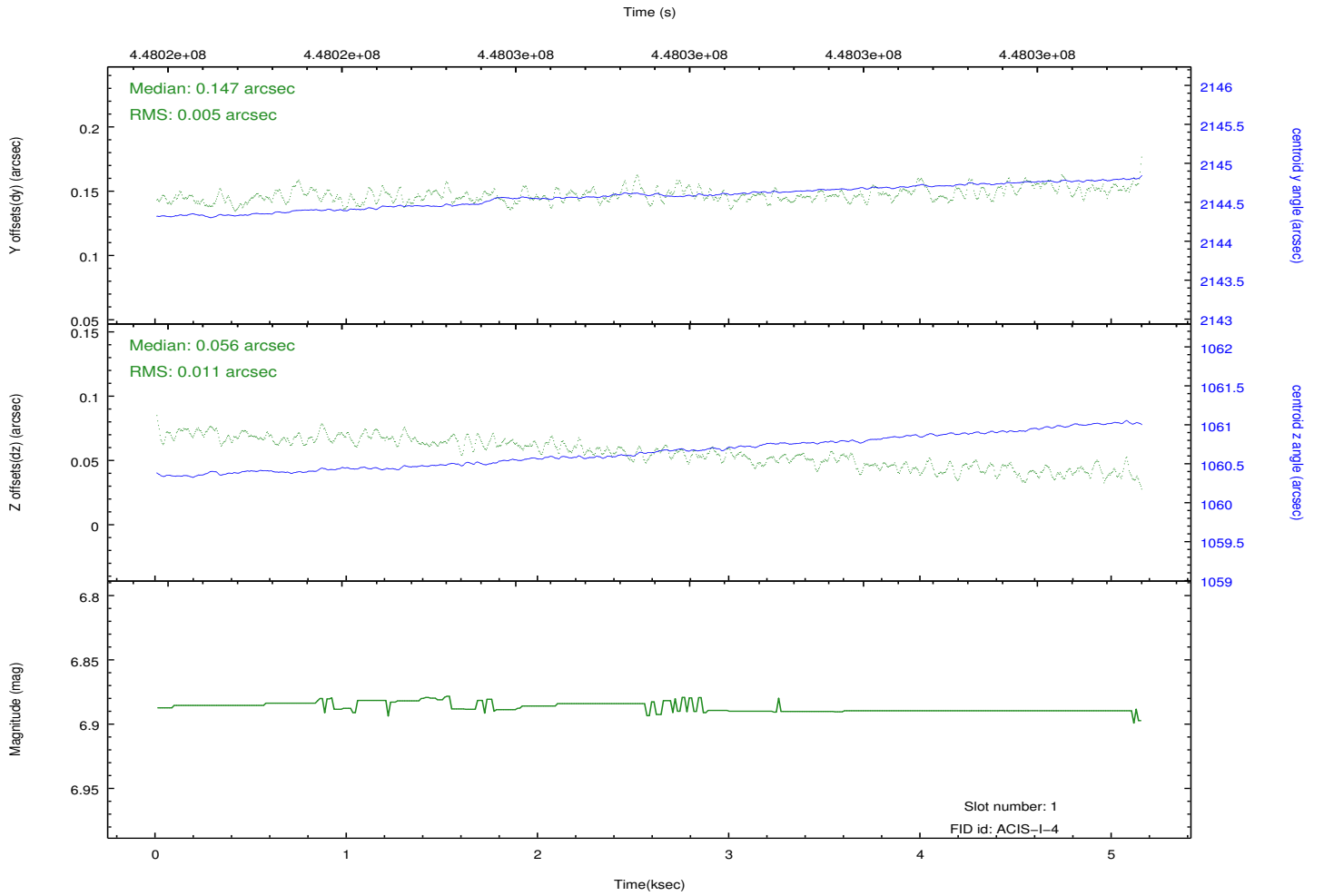
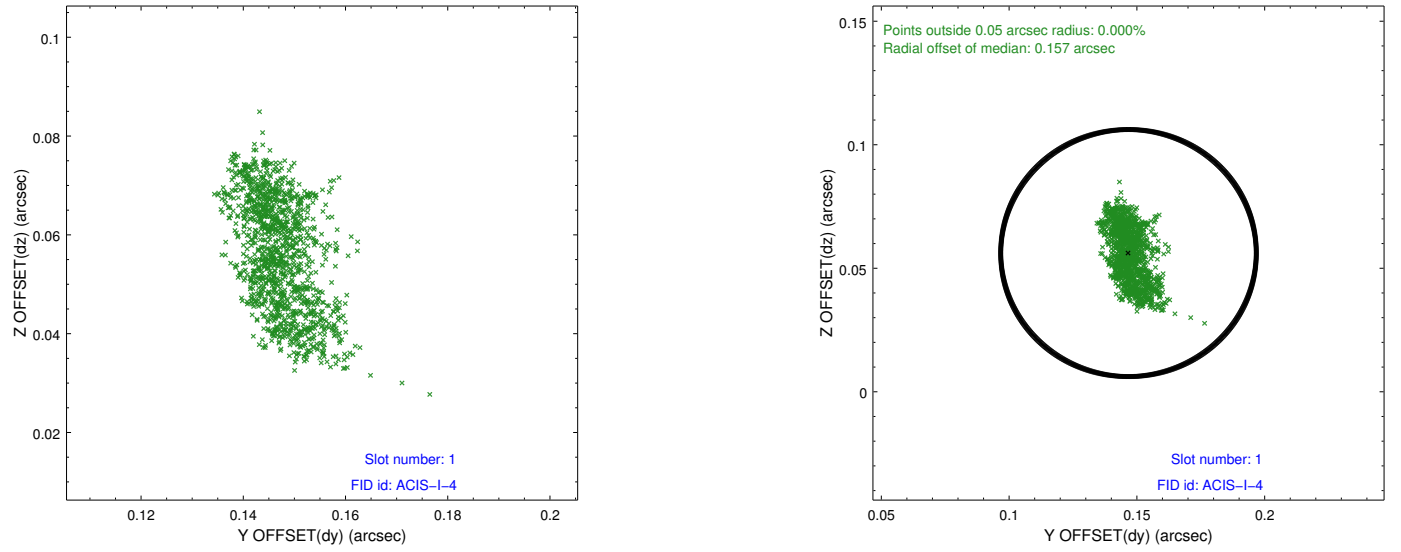


2.5 FID Slots

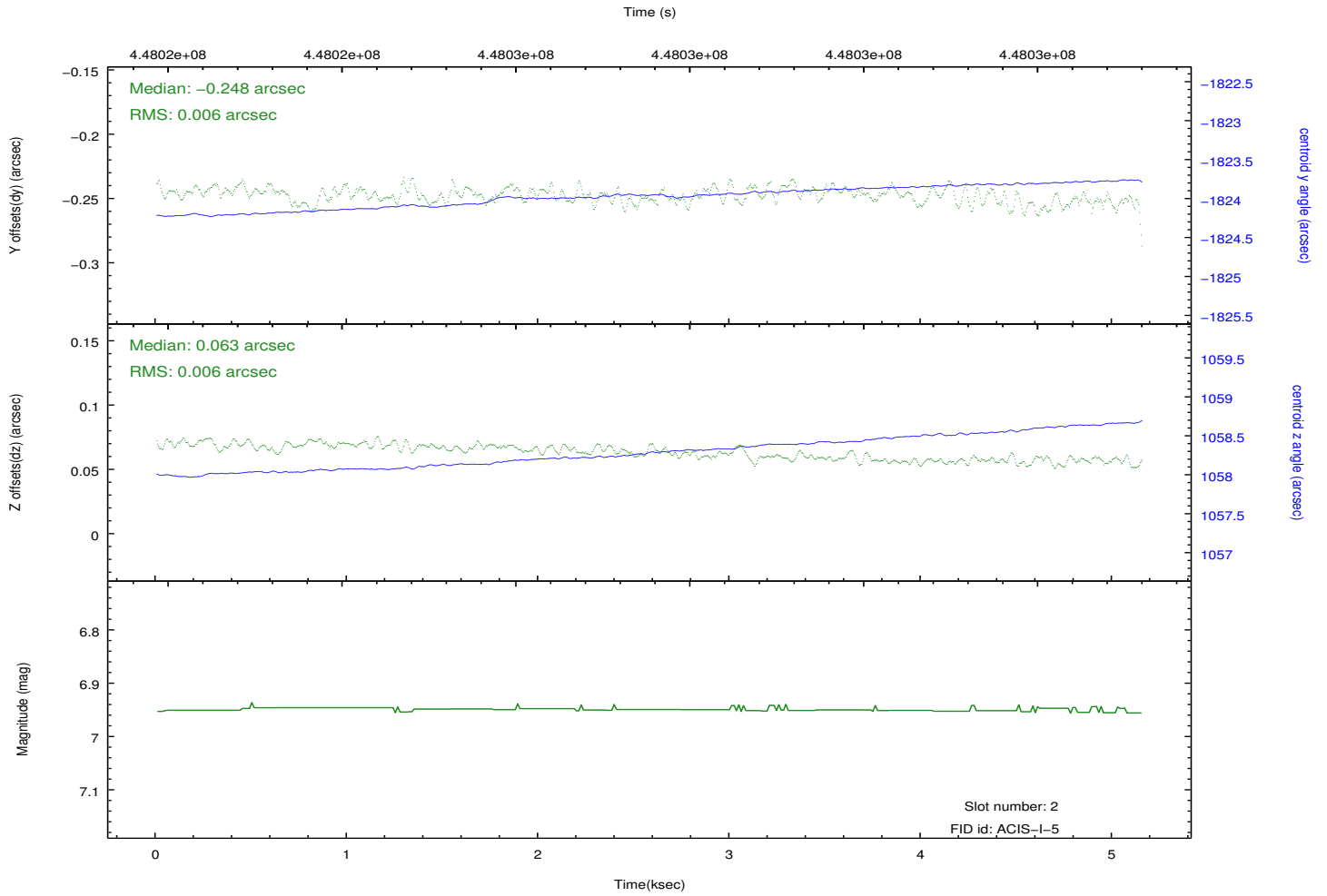
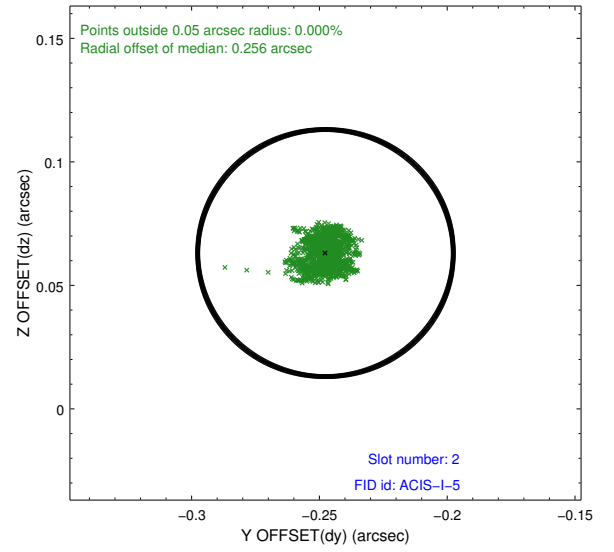
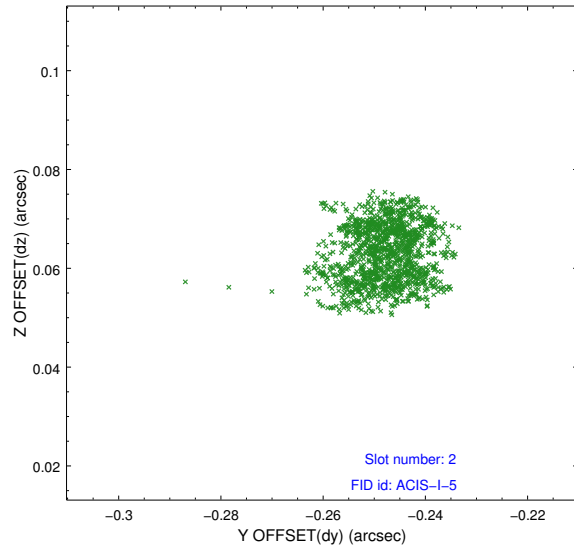
2.5.1 Slot 0



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)	2012.03.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0832293468714

A.2 Comments