

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8632 - L2 Version 2
Chandra X-Ray Center

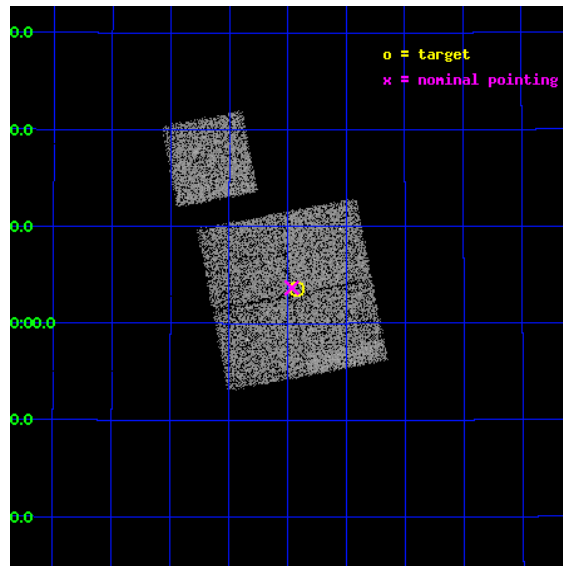
L2 Processing Date : May 5 2012

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1 Front

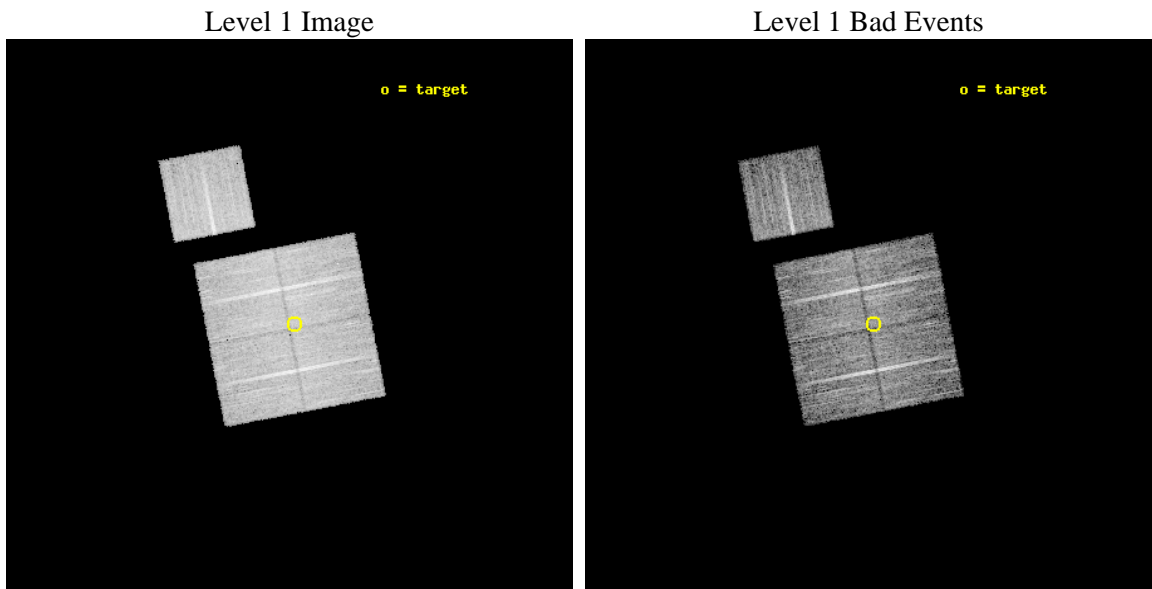
seq_num	900769	Sequence number
obs_id	8632	Observation id
title	Chandra Observations of the DEEP2 Fields	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	DEEP2 Field 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	252.85635	Observer's specified target RA [deg]
dec_targ	35.060335	Observer's specified target Dec [deg]
ra_nom	252.86620027202	Nominal RA [deg]
dec_nom	35.061246644409	Nominal Dec [deg]
roll_nom	349.10302048319	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8712.6363102198	Sum of GTIs [s]
livetime	8598.7993026772	Livetime [s]
ontime0	8712.5131602883	Sum of GTIs [s]
ontime1	8715.6951905489	Sum of GTIs [s]
ontime2	8712.5952702761	Sum of GTIs [s]
ontime3	8712.6363102198	Sum of GTIs [s]
ontime6	8715.6131105423	Sum of GTIs [s]
l2events	29283	Number of level 2 events



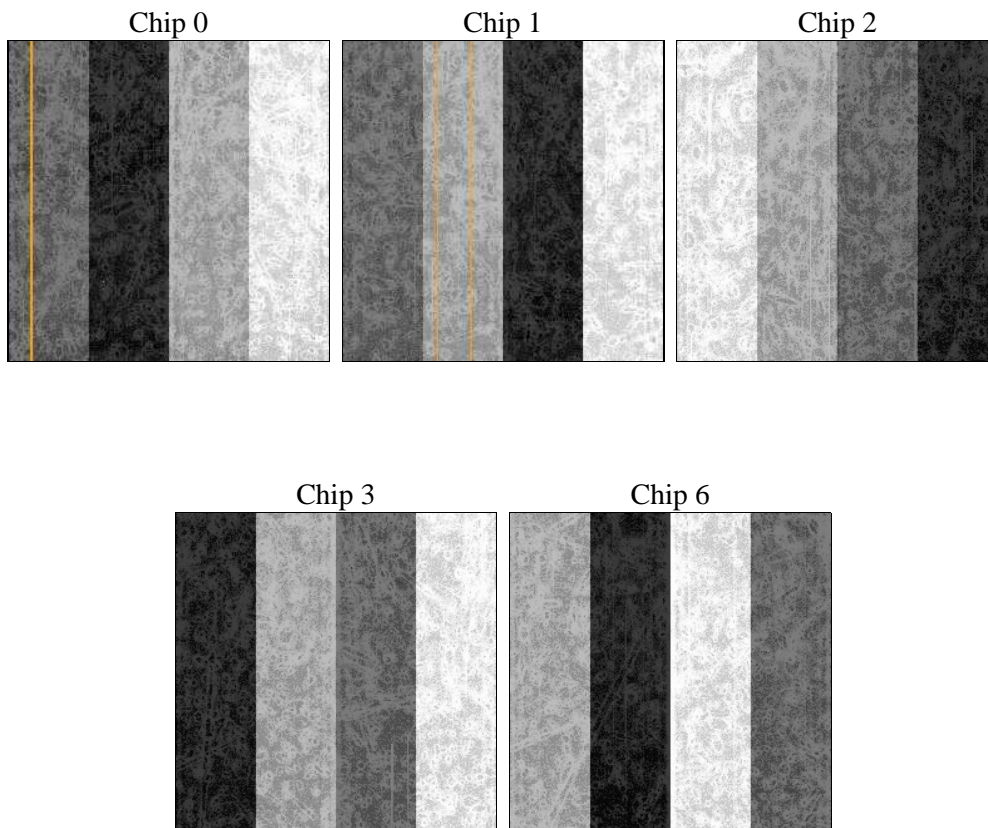
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8941.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8712.6363102198	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8712.5131602883	Sum of GTIs [s]
date	2012-05-05T05:18:44	Date and time of file creation	ontime1	8715.6951905489	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8712.5952702761	Sum of GTIs [s]
			ontime3	8712.6363102198	Sum of GTIs [s]
			ontime6	8715.6131105423	Sum of GTIs [s]
			l1events	340348	Number of level 1 events

2.1.4 Events

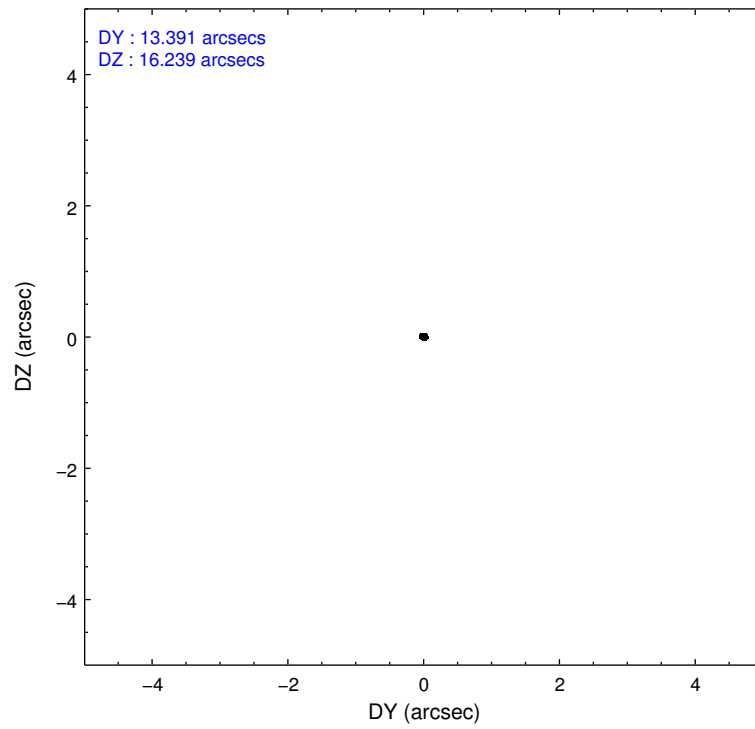
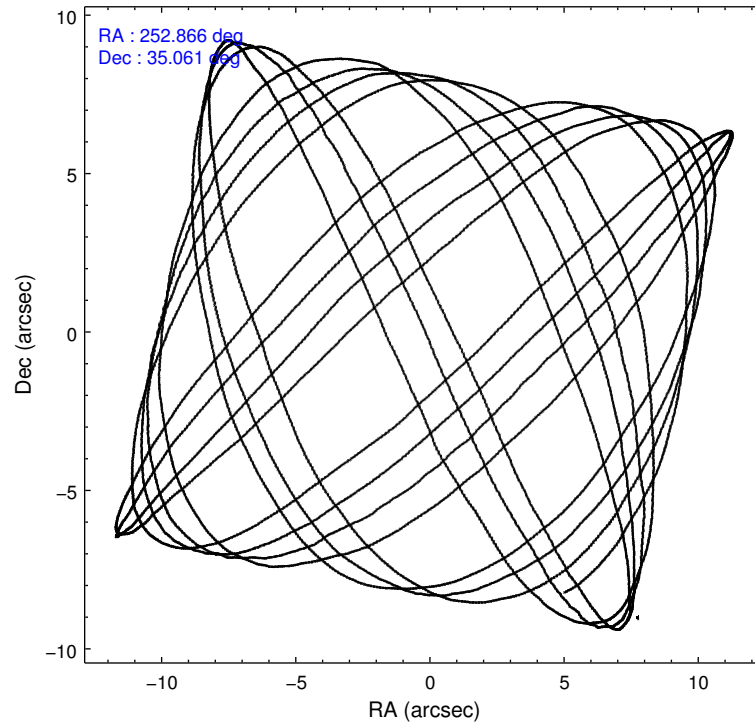
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	64452	64709	72810	69341	69036
rejected events	57589	56946	66109	62407	61918
rejected %	89%	88%	90%	90%	89%

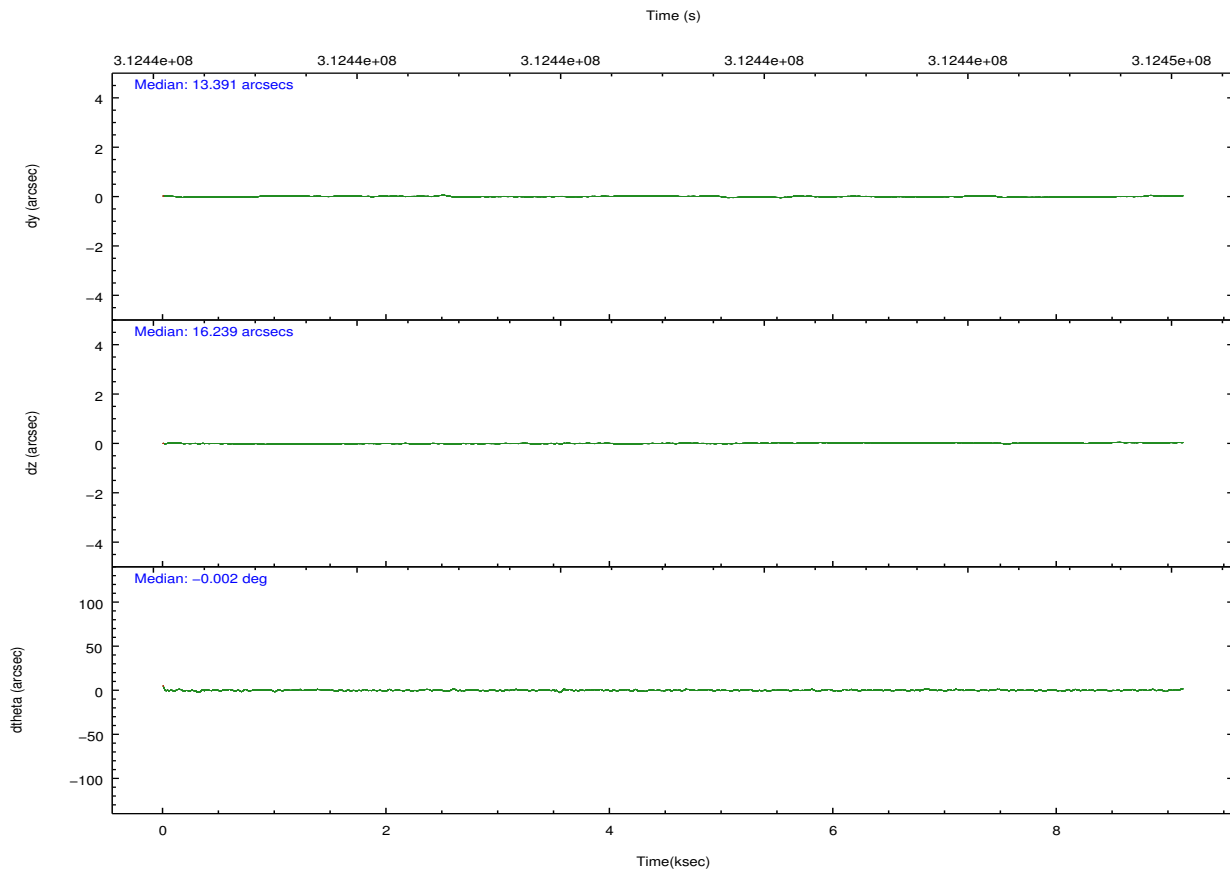
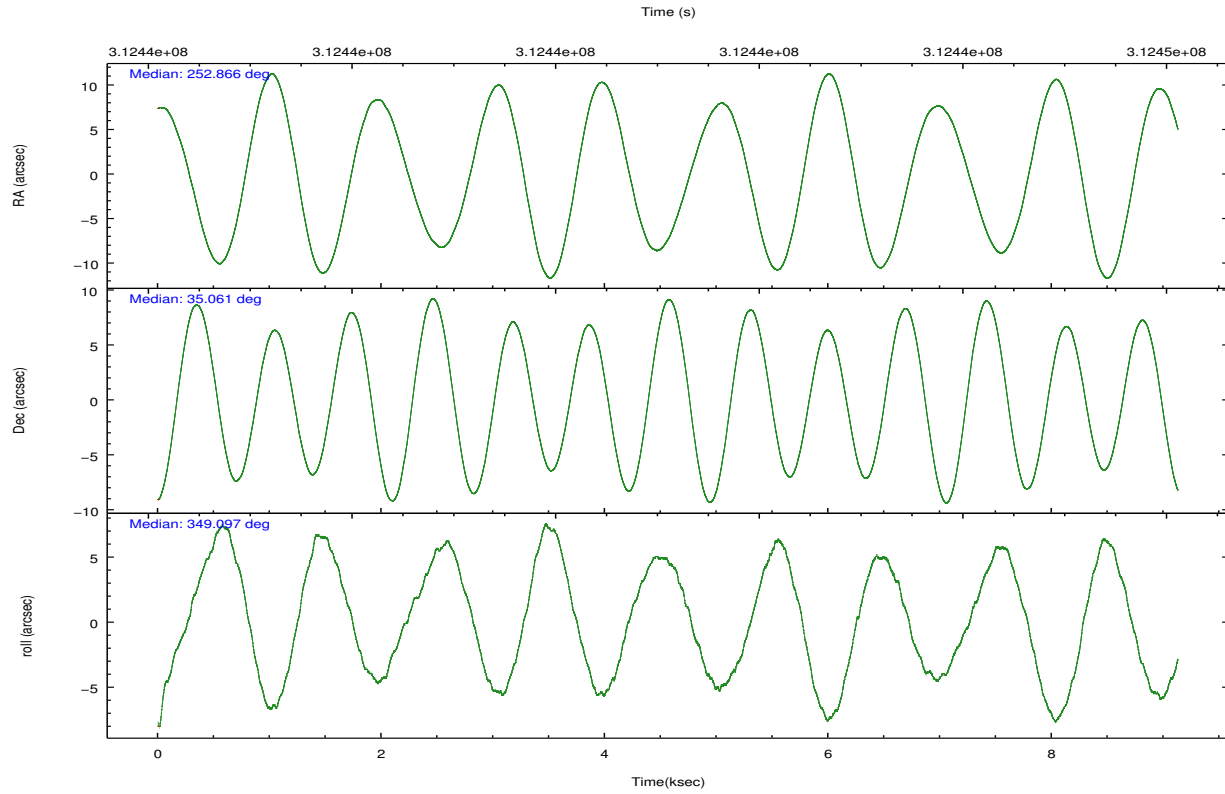
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2401	2819	2367	2620	2464
	3%	4%	3%	3%	3%
grade 1 events	43	39	48	42	27
	0%	0%	0%	0%	0%
grade 2 events	1703	1730	1673	1479	1522
	2%	2%	2%	2%	2%
grade 3 events	721	826	665	725	836
	1%	1%	0%	1%	1%
grade 4 events	714	869	750	755	741
	1%	1%	1%	1%	1%
grade 5 events	2416	2621	2276	2827	2702
	3%	4%	3%	4%	3%
grade 6 events	1328	1527	1250	1358	1563
	2%	2%	1%	1%	2%
grade 7 events	55126	54278	63781	59535	59181
	85%	83%	87%	85%	85%

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	252.834469	252.8662002720169	CCD I2 on	Y	Y
[deg] Pointing Dec	35.052129	35.06124664440857	CCD I3 on	Y	Y
[deg] Pointing Roll	348.912574	349.1030204831914	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)	312436738.184000	312436362.09065	CCD S5 on	N	N
Observation start date	2007-11-26T03:57:53	2007-11-26T03:52:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	312445679.184000	312445813.10361	On-chip summing requested	N	N
Observation end date	2007-11-26T06:26:54	2007-11-26T06:30:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



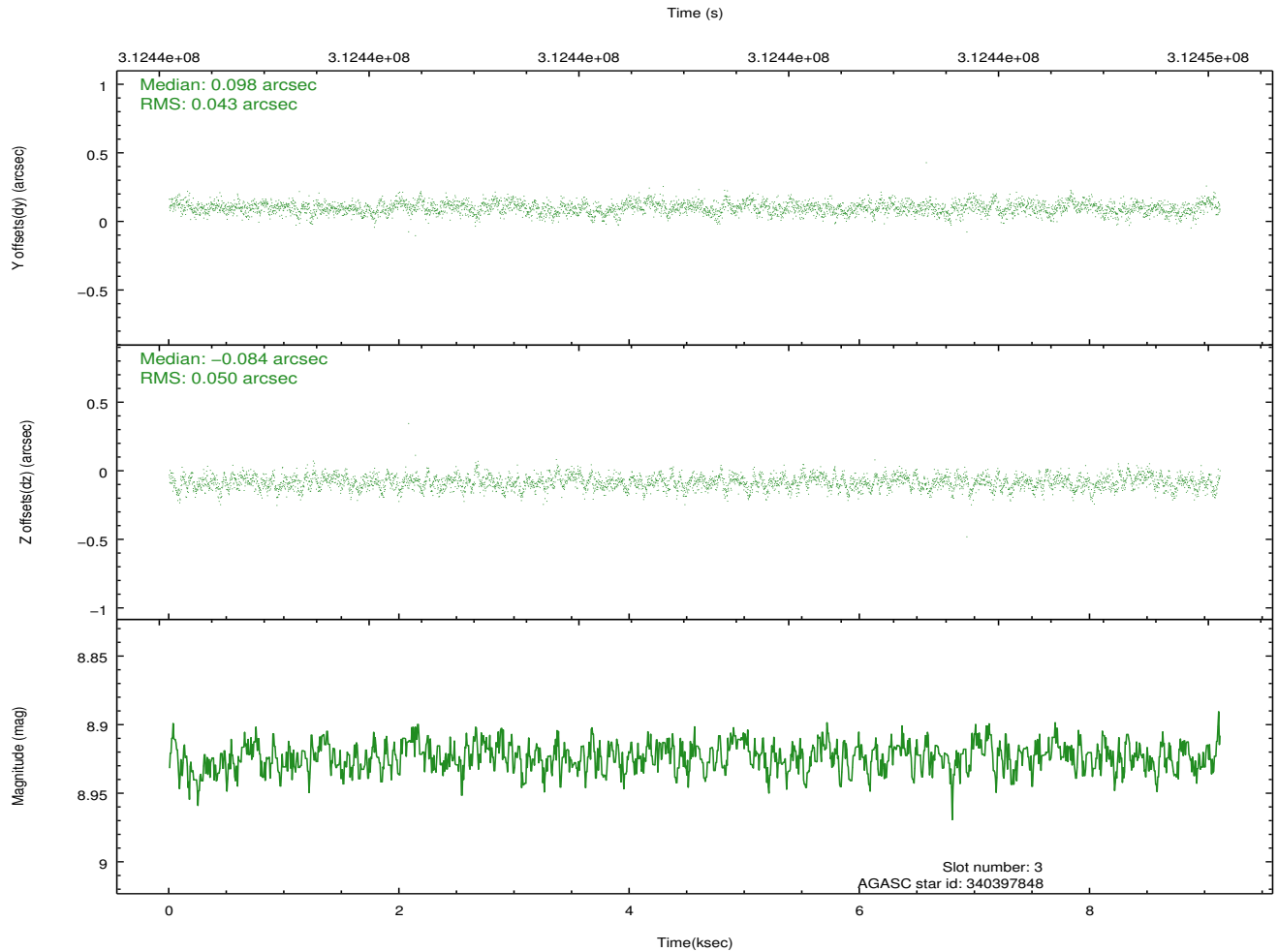
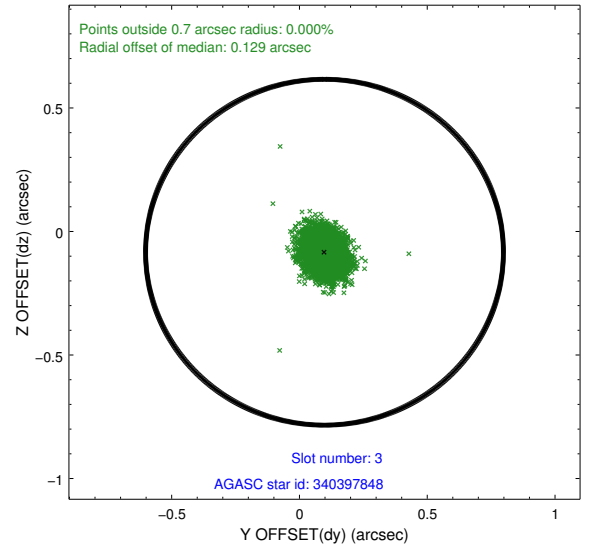
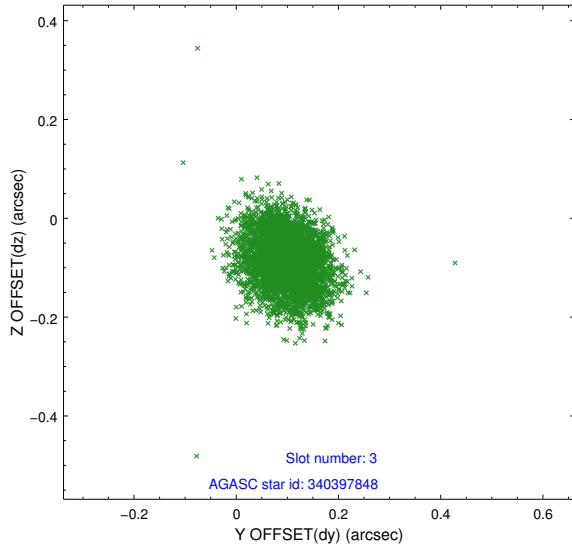


Slot Statistics

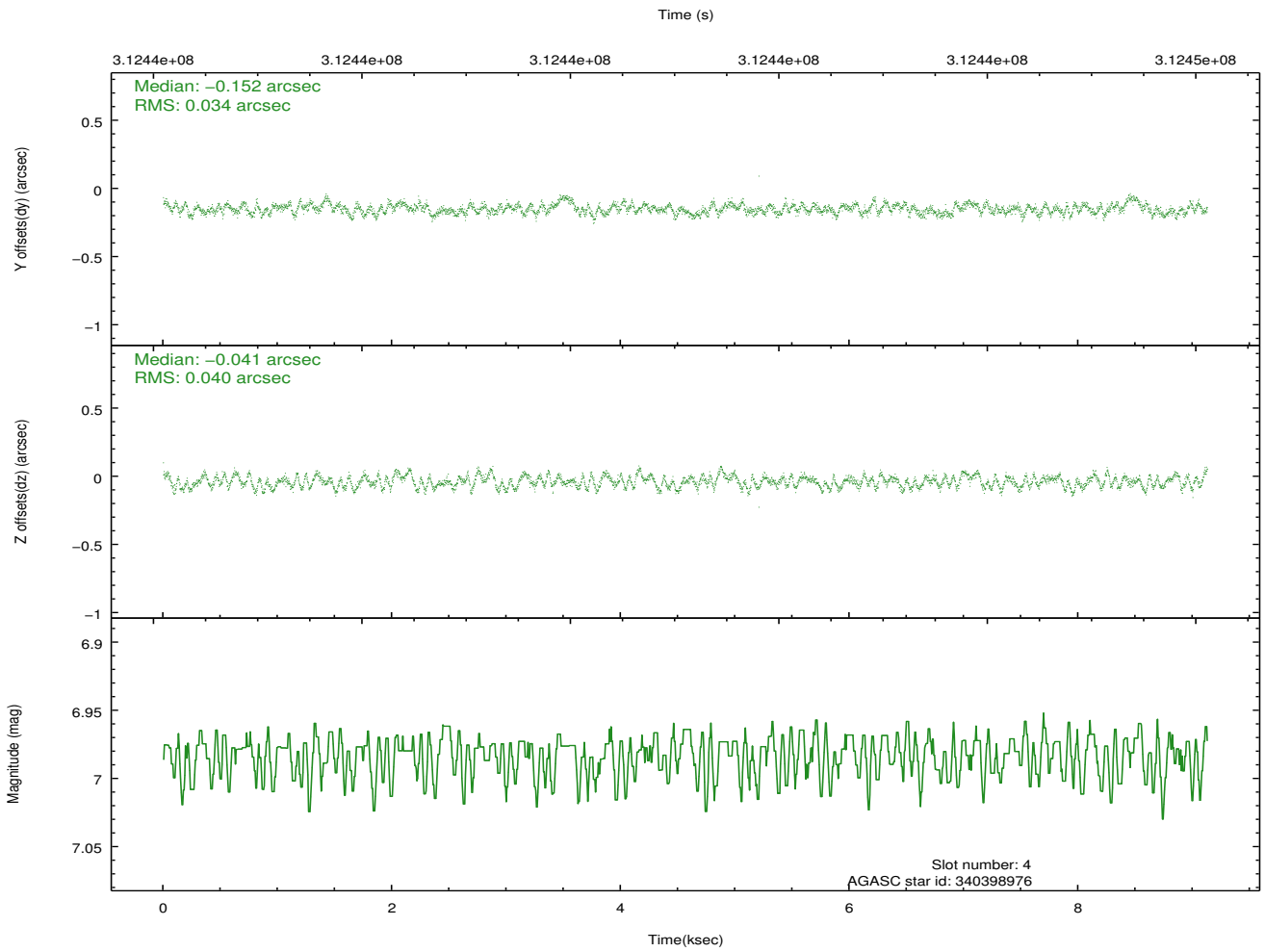
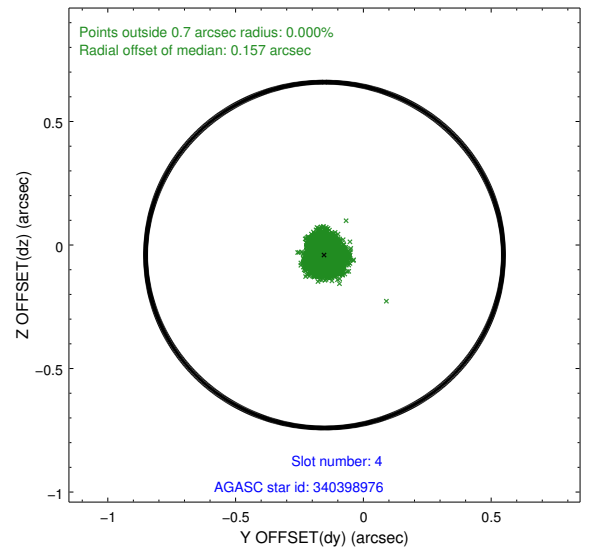
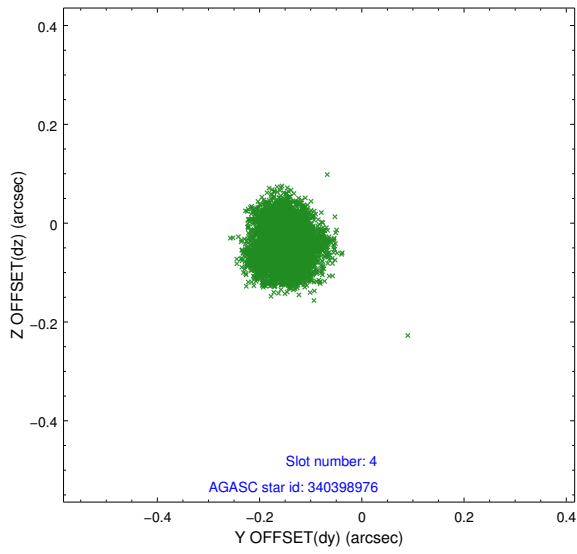
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	2227	-0.009	-0.084	0.008	0.014	0.000000	0.000000	926.10	-839.96
1	FID	ACIS-I-4	7.15	2226	0.167	0.086	0.008	0.012	0.000000	0.000000	2146.66	1059.70
2	FID	ACIS-I-5	7.22	2227	-0.257	0.069	0.007	0.012	0.000000	0.000000	-1821.37	1058.25
3	GUIDE	340397848	8.92	4448	0.098	-0.084	0.069	0.113	252.880784	35.553189	-213.67	1796.15
4	GUIDE	340398976	6.98	4454	-0.152	-0.041	0.057	0.086	253.047352	35.489638	309.18	1666.68
5	GUIDE	340401120	8.17	4452	0.063	-0.100	0.057	0.093	253.574895	35.128140	2085.67	696.14
6	GUIDE	340401160	9.34	4446	-0.056	0.090	0.092	0.149	252.460112	35.243739	-1212.60	467.39
7	GUIDE	340402736	8.40	4450	0.045	0.137	0.065	0.109	253.290822	34.696333	1571.36	-993.79

2.4 Star Slots

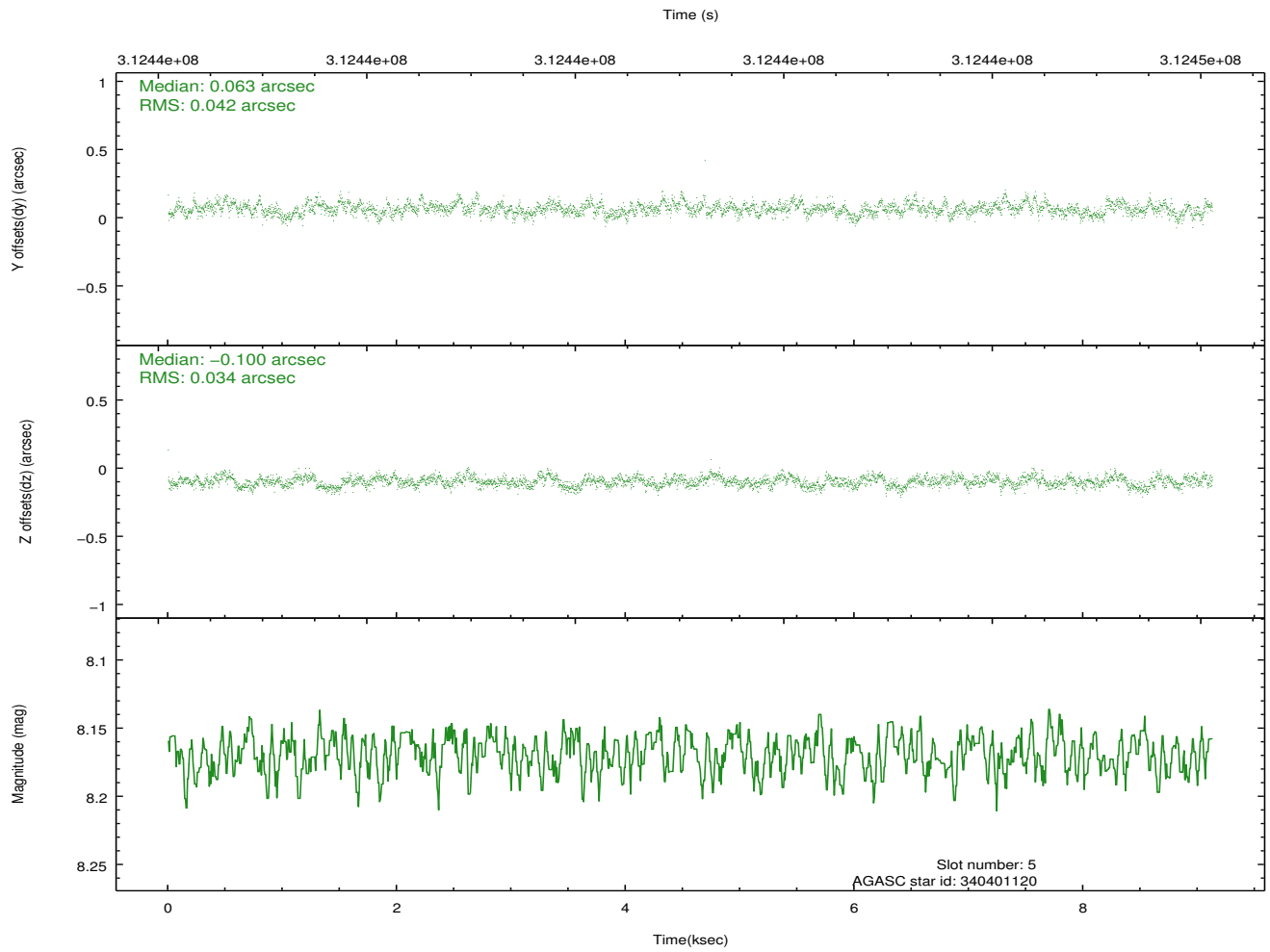
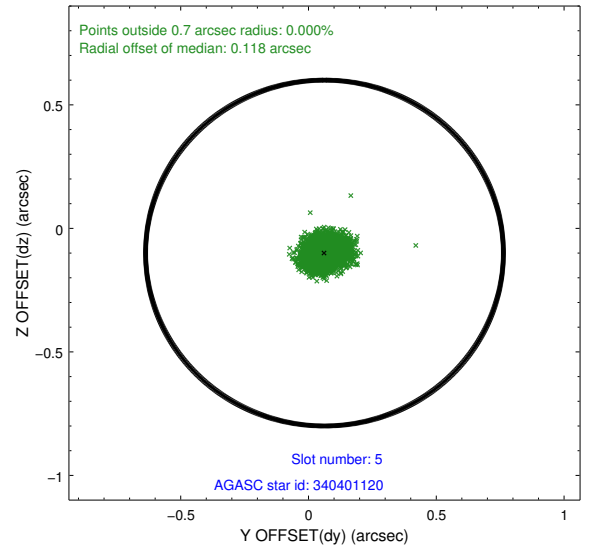
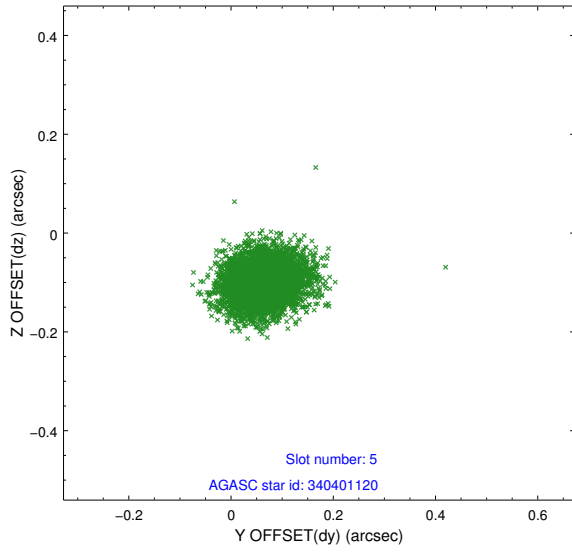
2.4.1 Slot 3



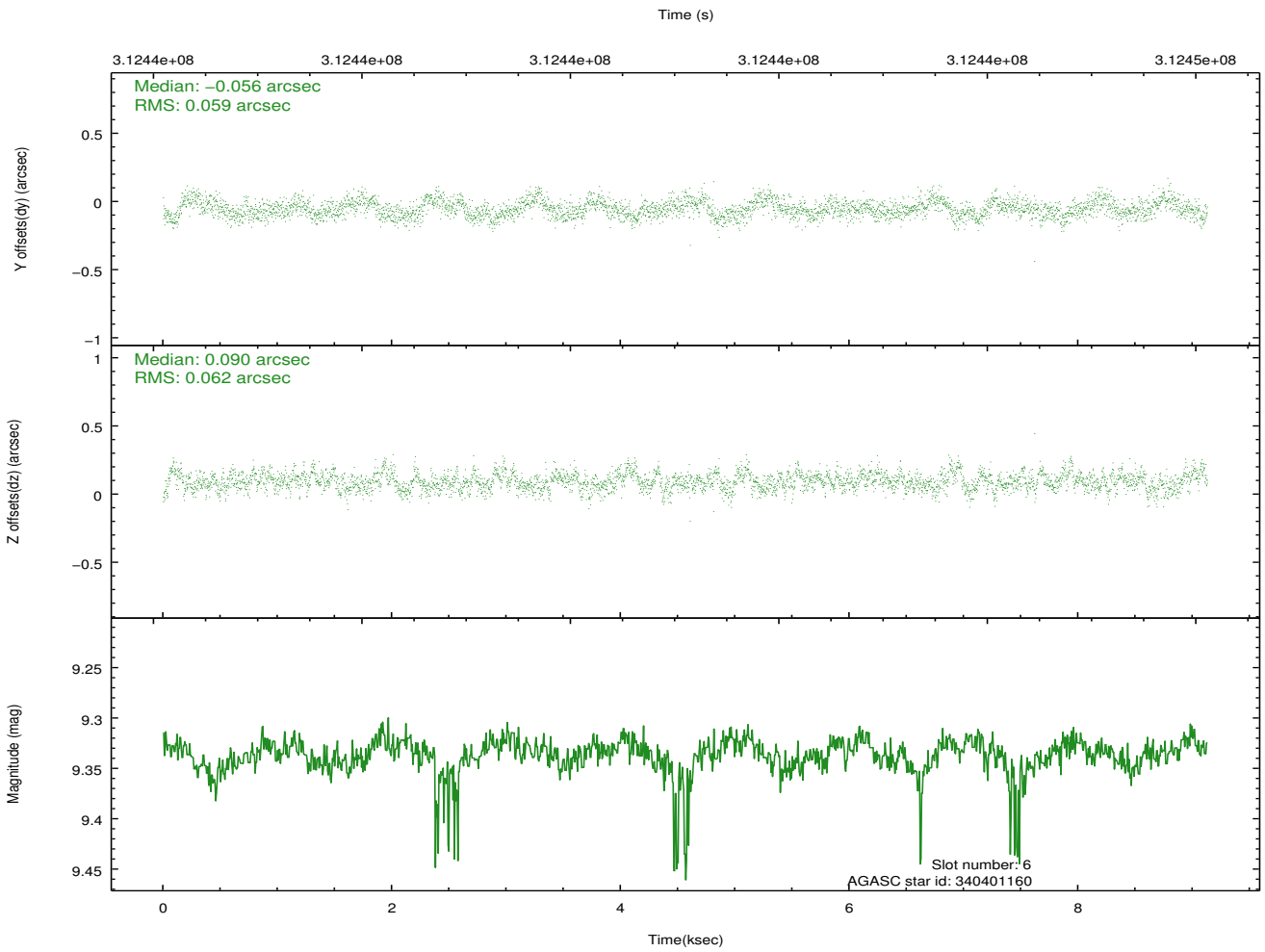
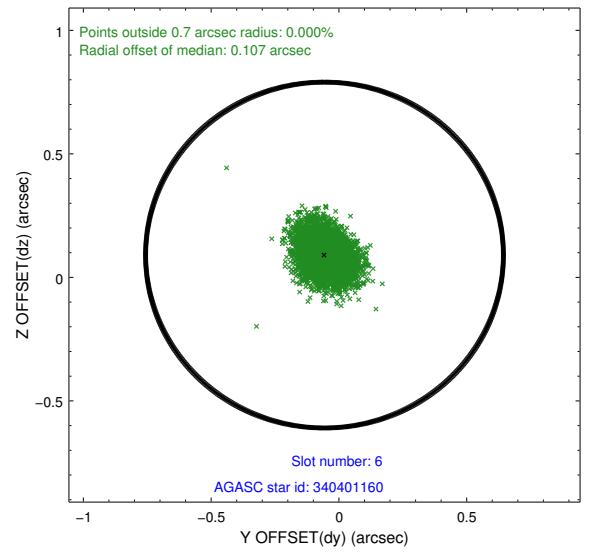
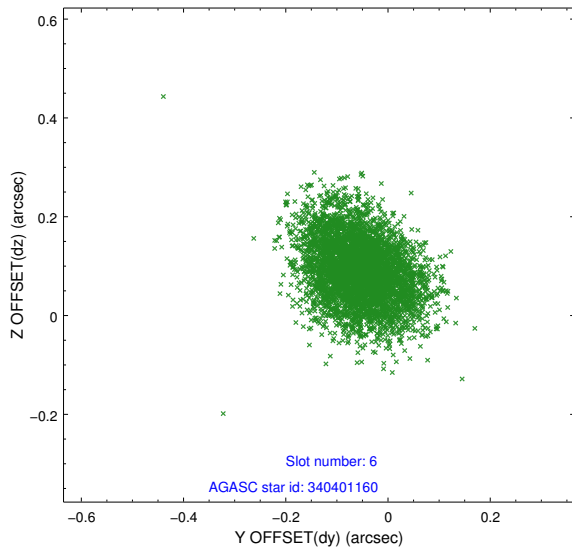
2.4.2 Slot 4



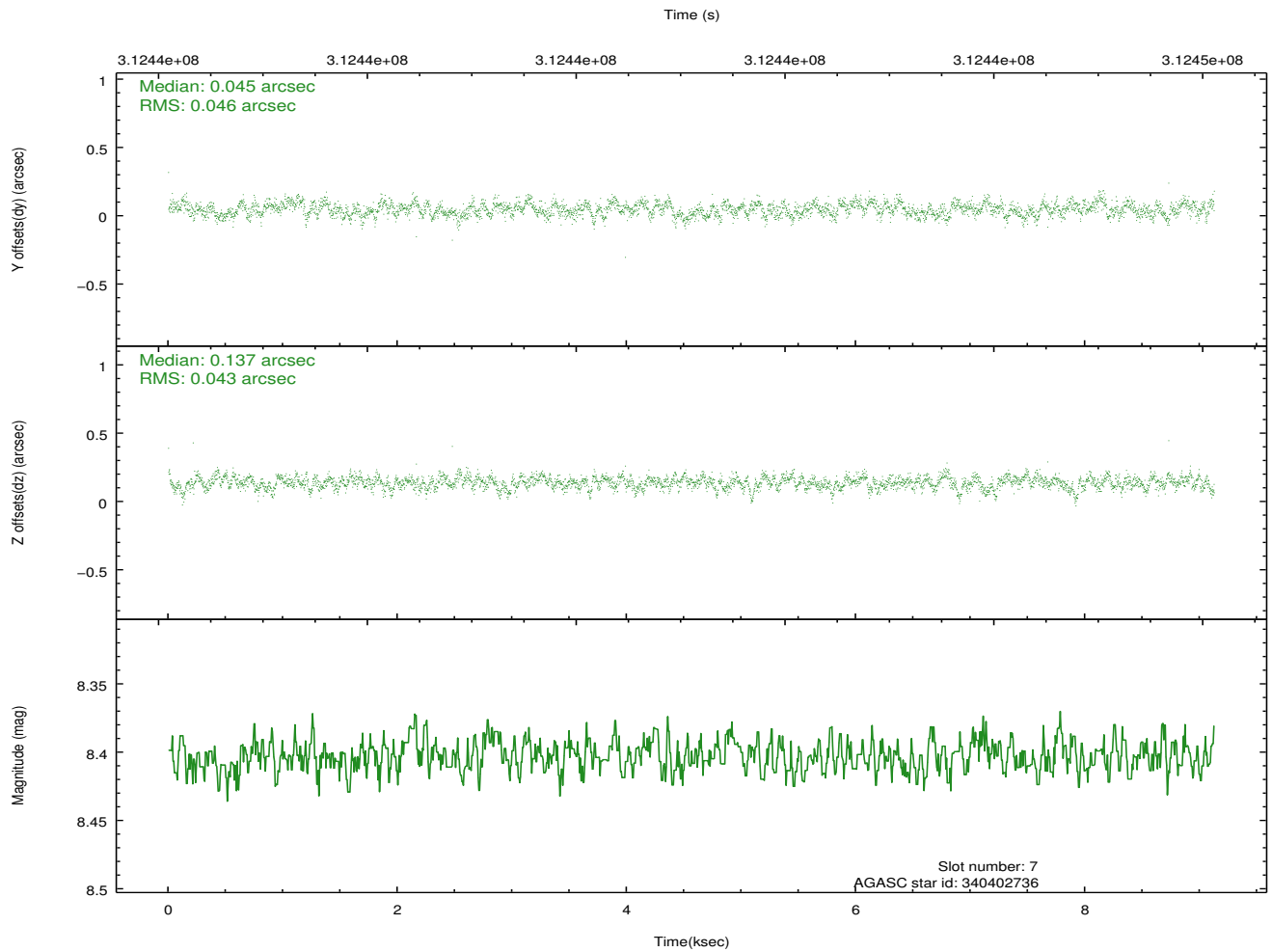
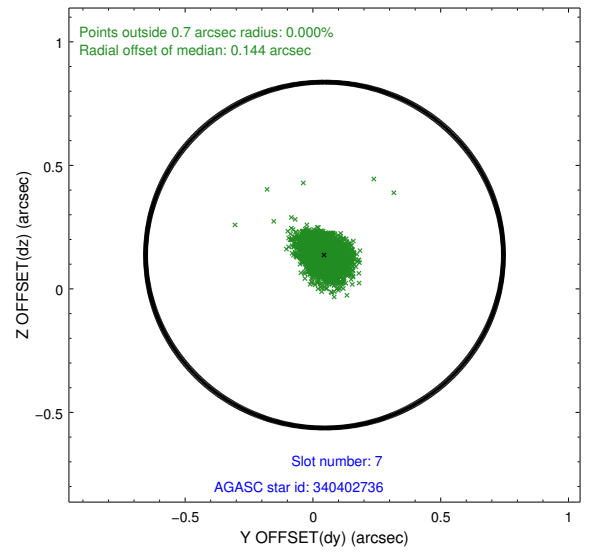
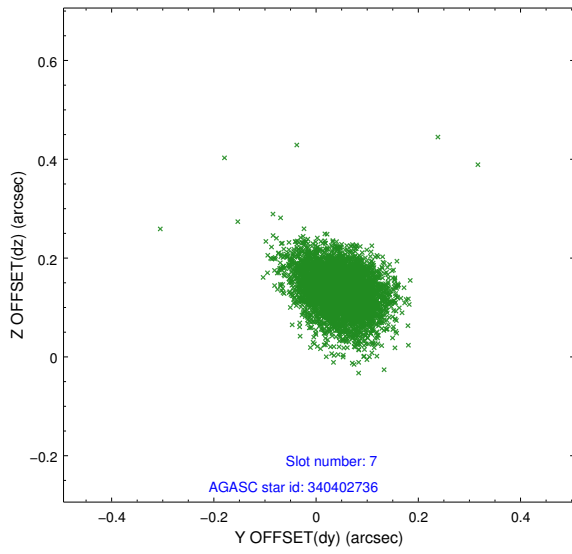
2.4.3 Slot 5



2.4.4 Slot 6

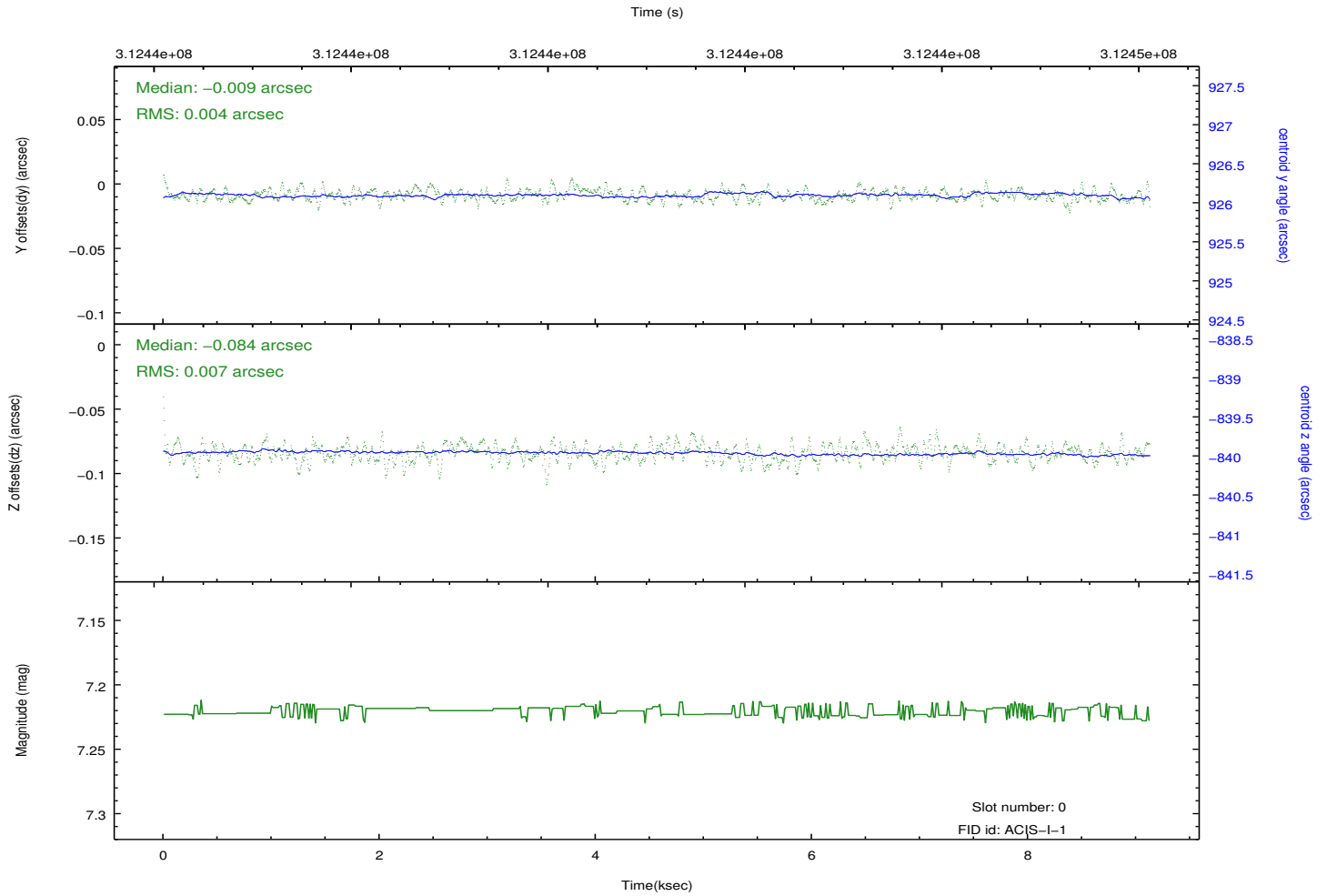
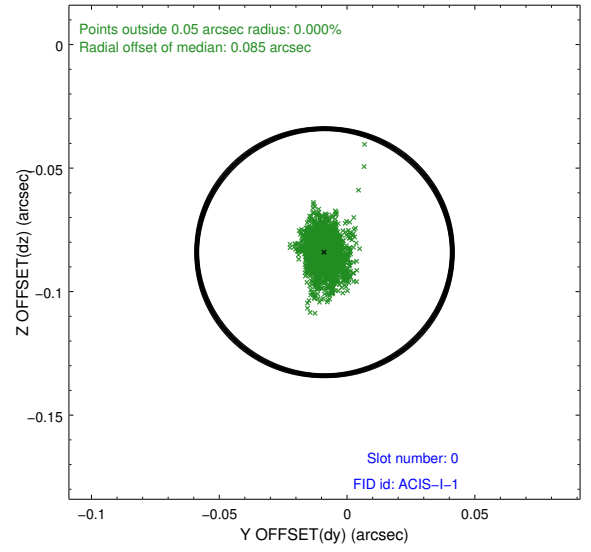
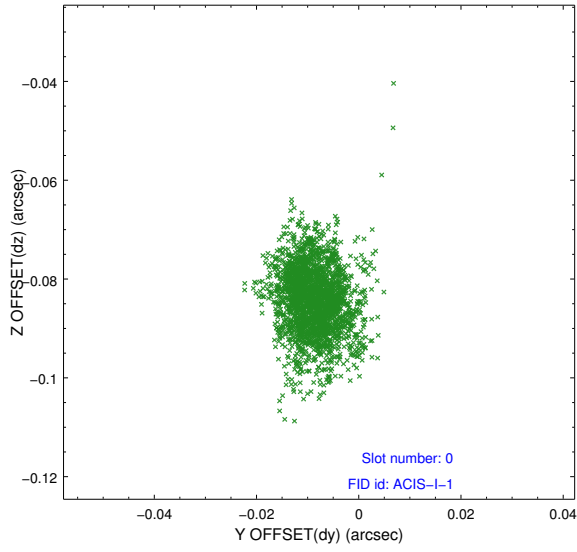


2.4.5 Slot 7

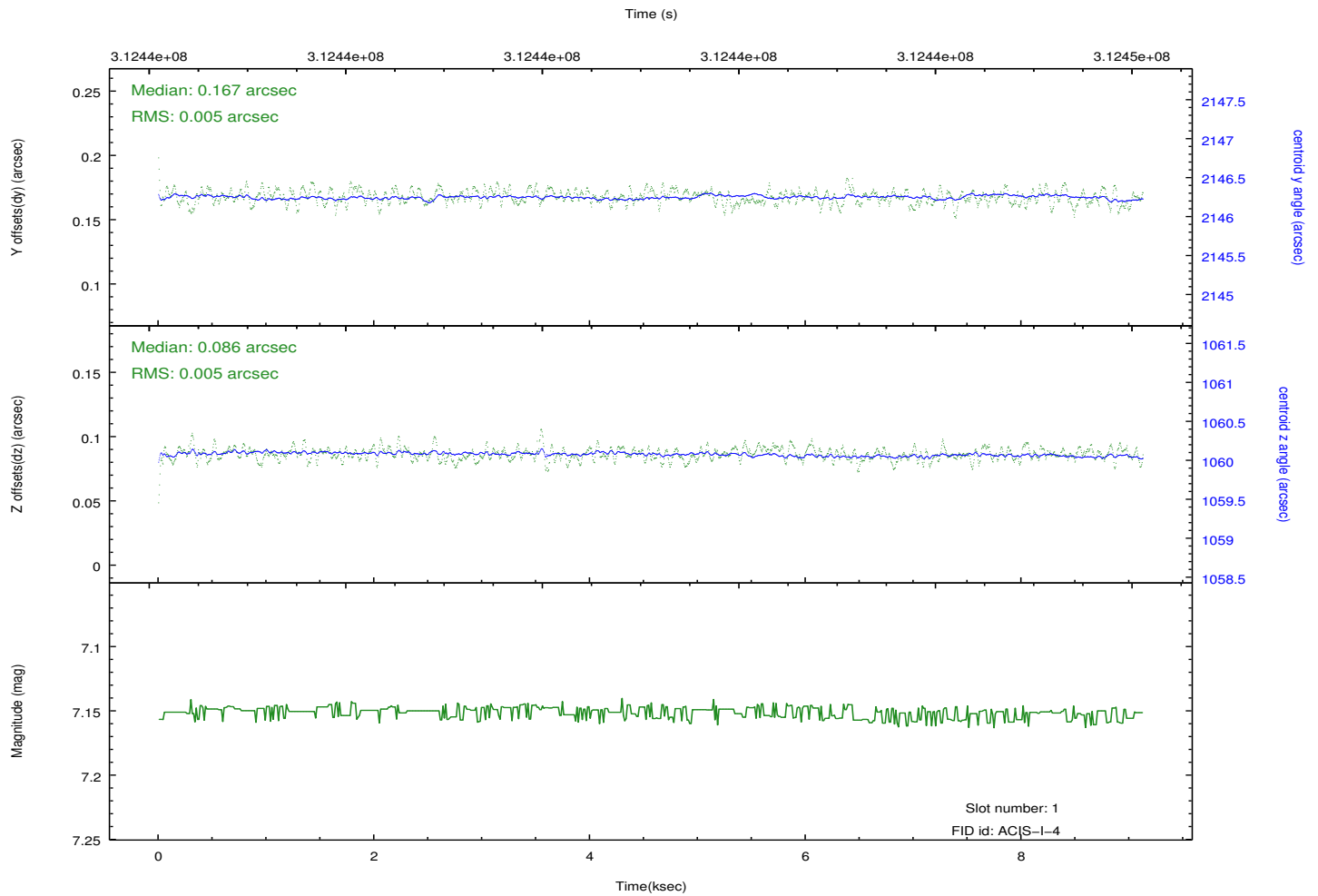
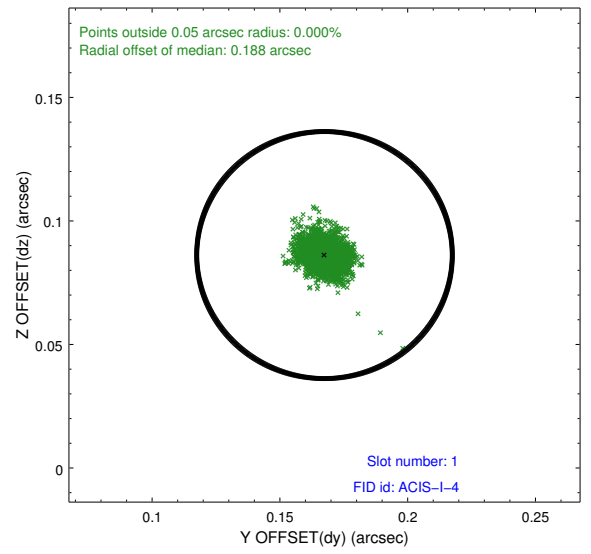
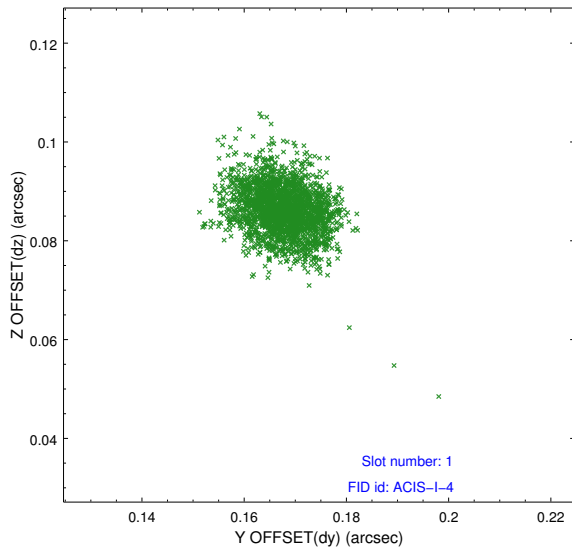


2.5 FID Slots

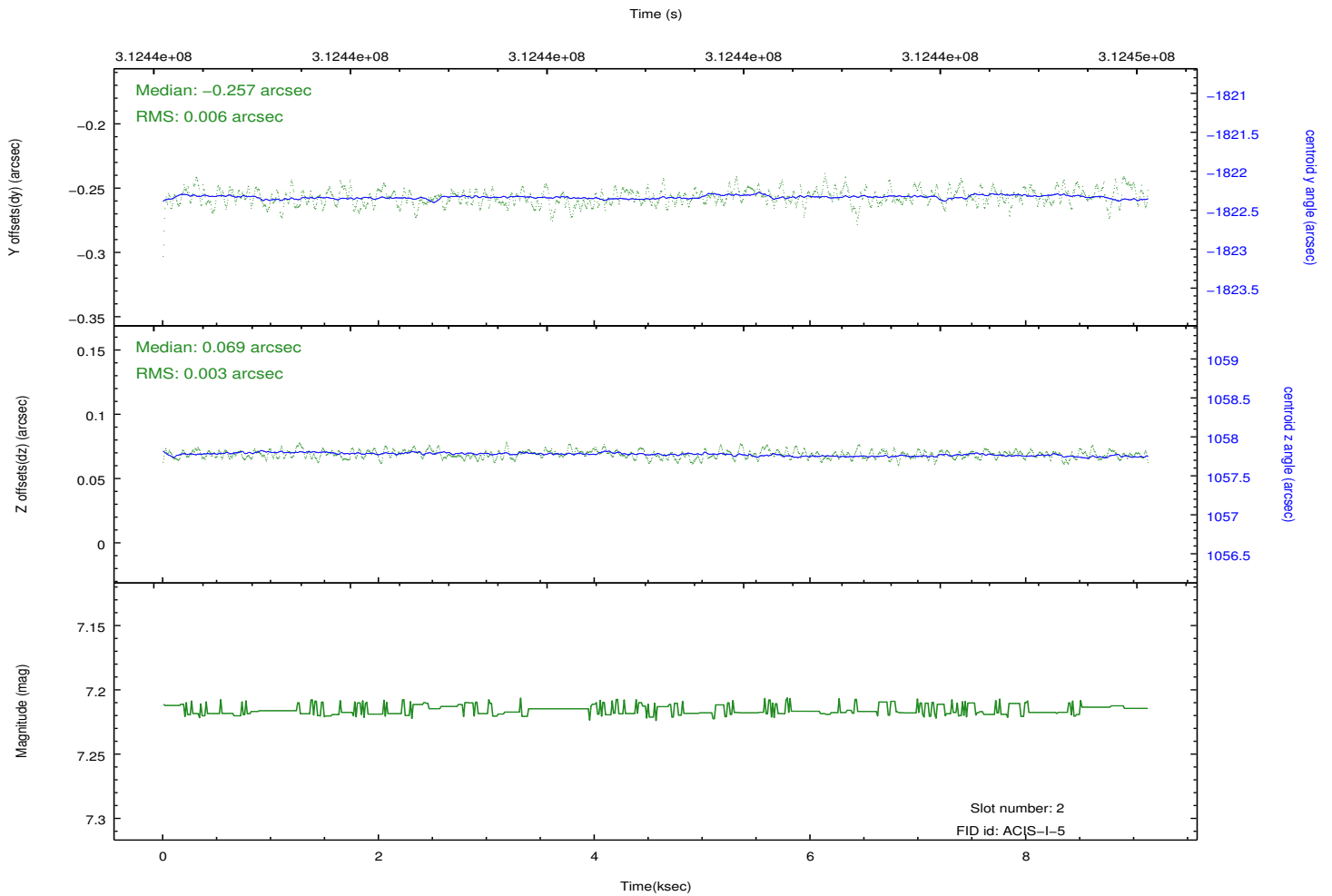
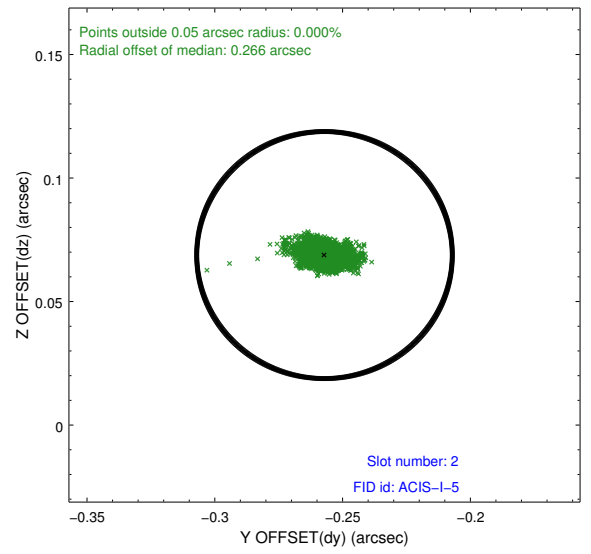
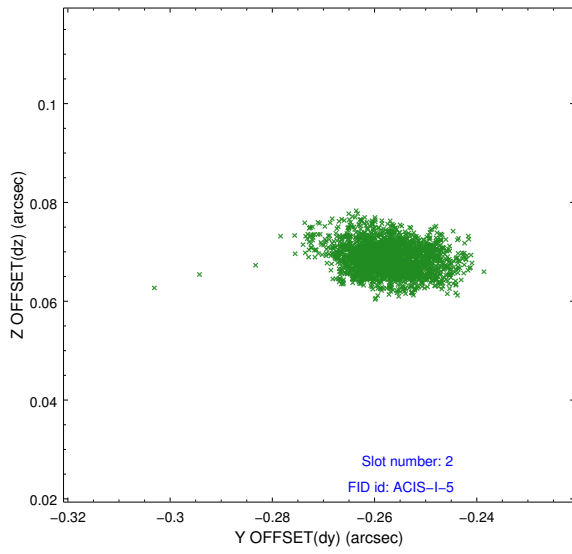
2.5.1 Slot 0



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	8.7140591

A.2 Comments