

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10455 - L2 Version 2
Chandra X-Ray Center

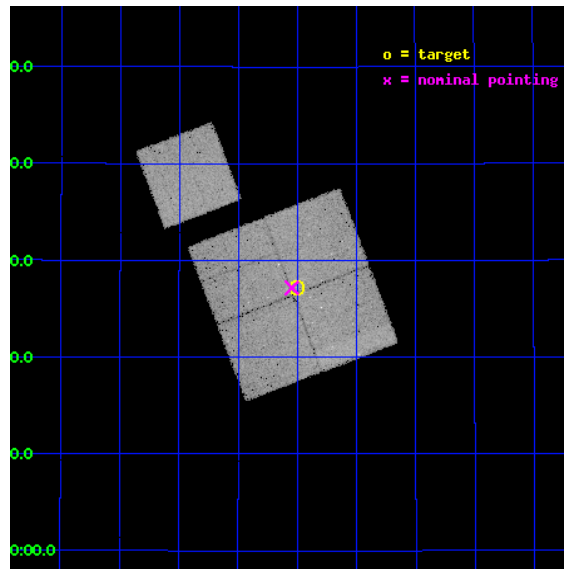
L2 Processing Date : Jun 15 2012

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1 Front

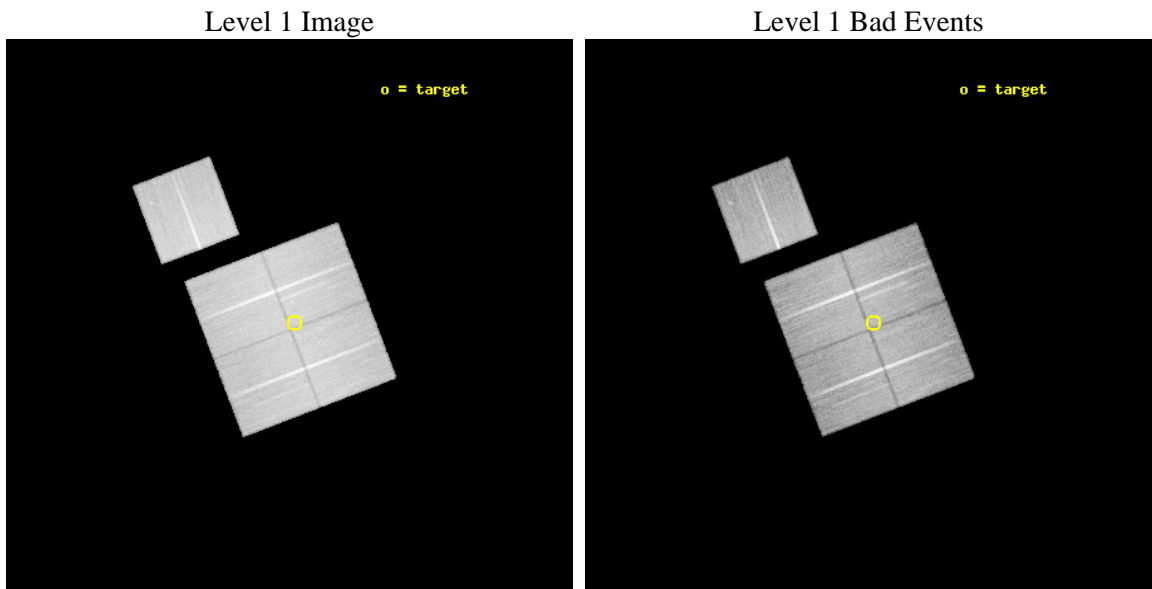
seq_num	800816	Sequence number
obs_id	10455	Observation id
title	The Role of AGN in Massive Galaxy Formation	Proposal title
observer	Dr. Spencer Stanford	Principal investigator
object	ISCS1034	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.626667	Observer's specified target RA [deg]
dec_targ	34.453417	Observer's specified target Dec [deg]
ra_nom	218.63646198648	Nominal RA [deg]
dec_nom	34.45291325695	Nominal Dec [deg]
roll_nom	339.14424528251	Nominal Roll [deg]
revision	2	Processing version of data
ontime	34769.60026741	Sum of GTIs [s]
liveltime	34315.309842909	Livetime [s]
ontime0	34766.459307015	Sum of GTIs [s]
ontime1	34769.60026741	Sum of GTIs [s]
ontime2	34763.31842643	Sum of GTIs [s]
ontime3	34769.60026741	Sum of GTIs [s]
ontime6	34769.60026741	Sum of GTIs [s]
l2events	131496	Number of level 2 events



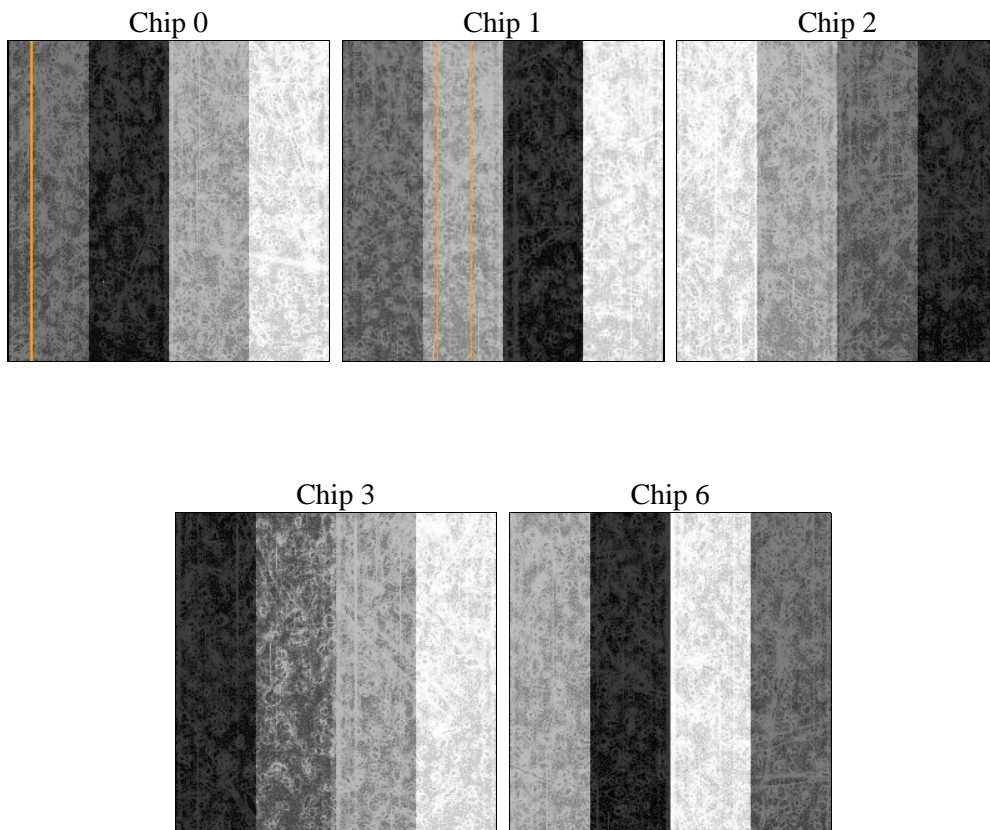
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	34769.60026741	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	34766.459307015	Sum of GTIs [s]
date	2012-06-15T15:29:49	Date and time of file creation	ontime1	34769.60026741	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	34763.31842643	Sum of GTIs [s]
			ontime3	34769.60026741	Sum of GTIs [s]
			ontime6	34769.60026741	Sum of GTIs [s]
			l1events	1516211	Number of level 1 events

2.1.4 Events

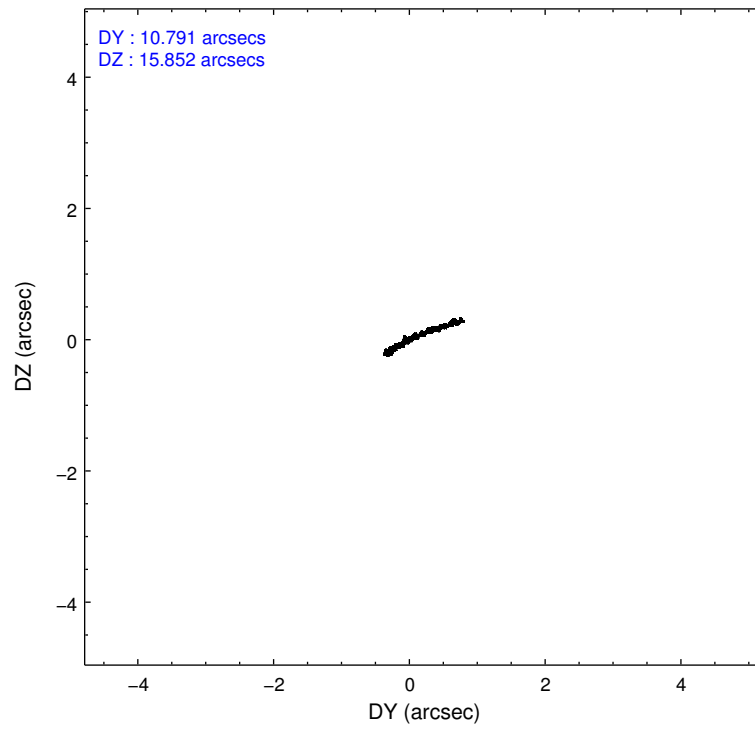
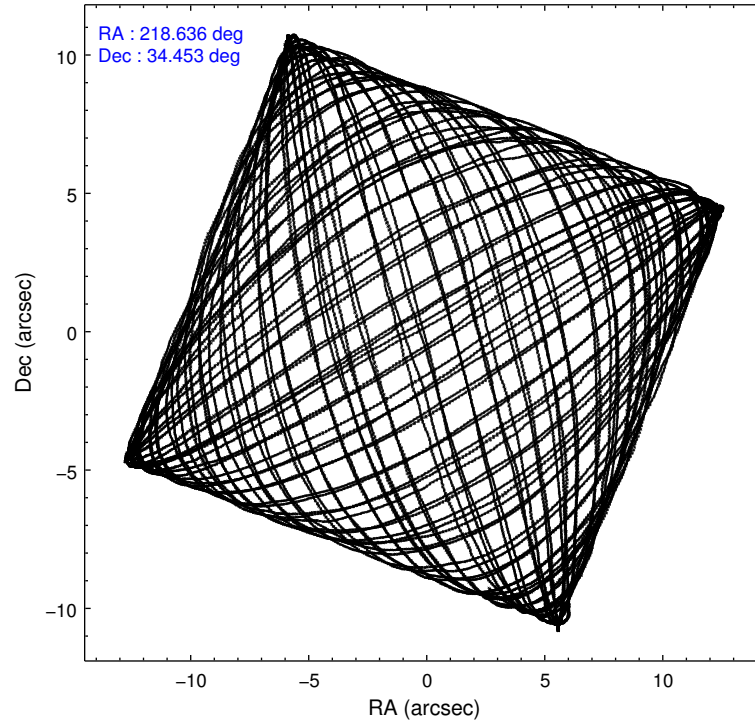
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	284836	296343	321267	304140	309625
rejected events	253603	260580	290576	274875	277607
rejected %	89%	87%	90%	90%	89%

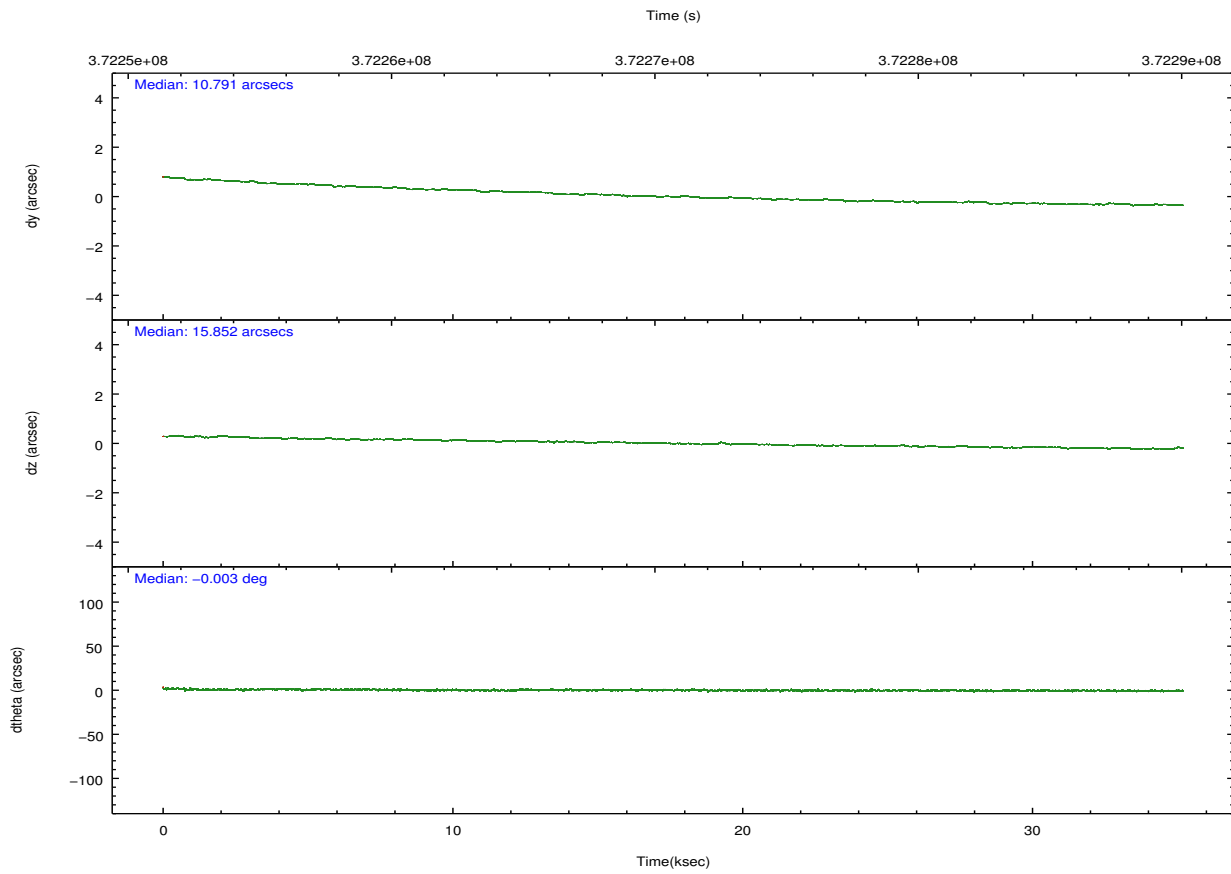
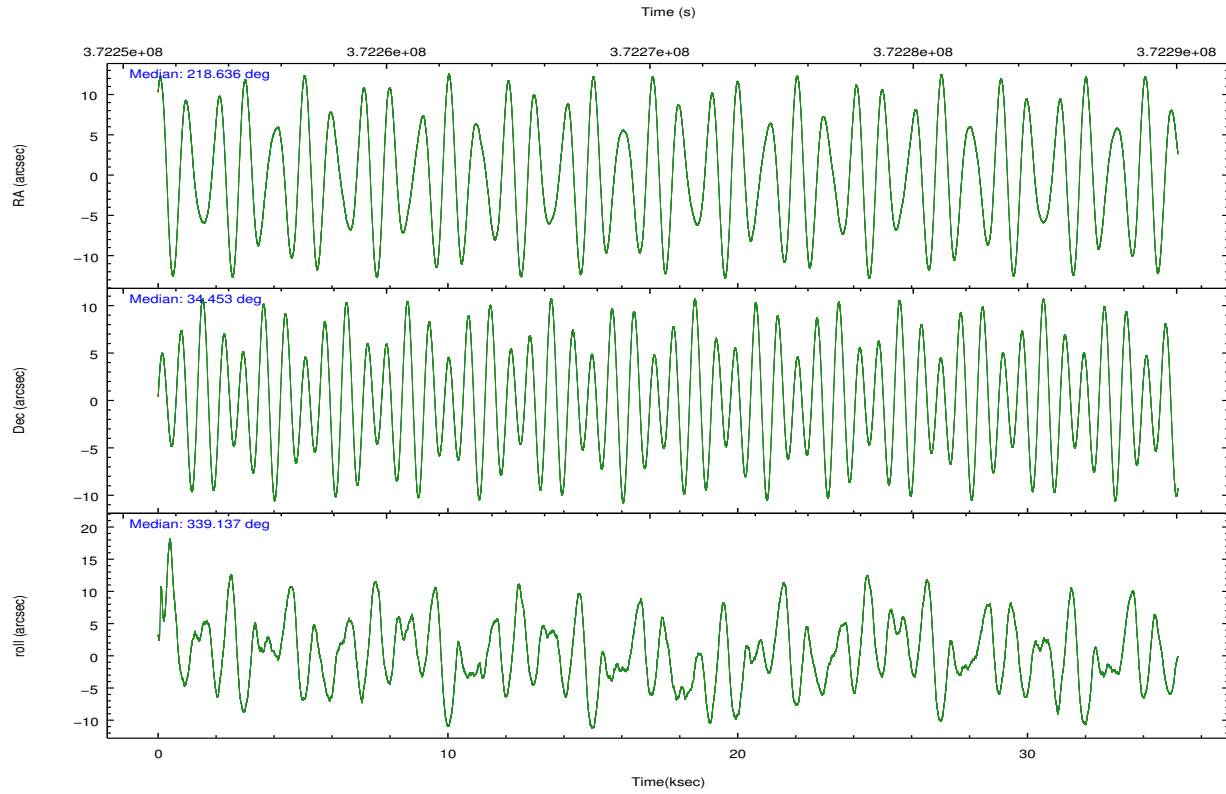
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10703	12776	10911	10167	10962
	3%	4%	3%	3%	3%
grade 1 events	145	141	199	161	201
	0%	0%	0%	0%	0%
grade 2 events	7929	8375	7446	6713	7201
	2%	2%	2%	2%	2%
grade 3 events	3444	3820	3286	3227	3400
	1%	1%	1%	1%	1%
grade 4 events	3215	3756	3293	3259	3465
	1%	1%	1%	1%	1%
grade 5 events	11420	12465	10221	12808	12646
	4%	4%	3%	4%	4%
grade 6 events	5951	7044	5758	5907	6995
	2%	2%	1%	1%	2%
grade 7 events	242029	247966	280153	261898	264755
	84%	83%	87%	86%	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	218.603556	218.6364619864827	CCD I2 on	Y	Y
[deg] Pointing Dec	34.448424	34.45291325695045	CCD I3 on	Y	Y
[deg] Pointing Roll	338.954176	339.1442452825143	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)	372253278.184000	372252901.73694	CCD S5 on	N	N
Observation start date	2009-10-18T11:40:12	2009-10-18T11:35:01	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	372288278.184000	372289223.12627	On-chip summing requested	N	N
Observation end date	2009-10-18T21:23:32	2009-10-18T21:40:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



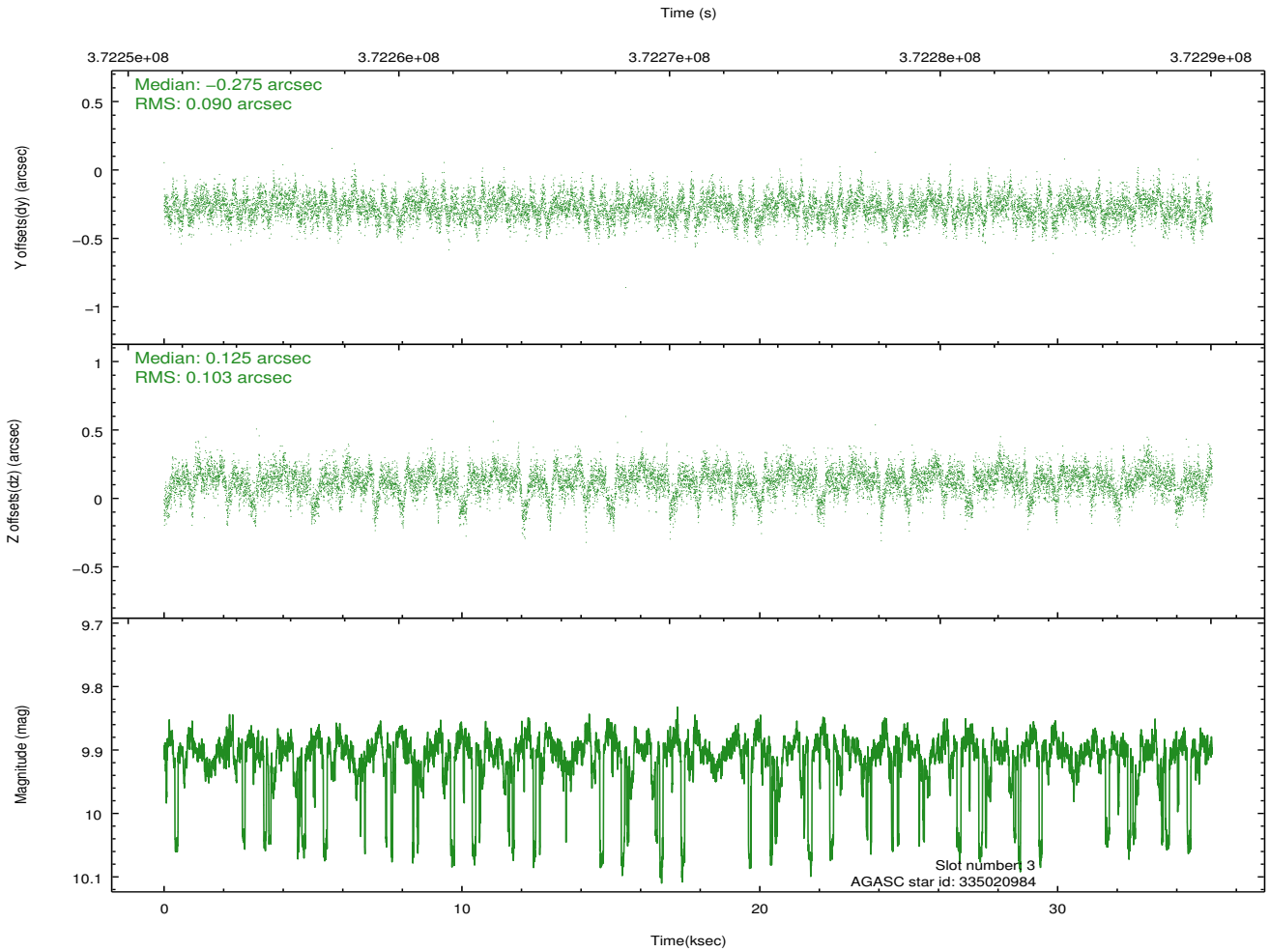
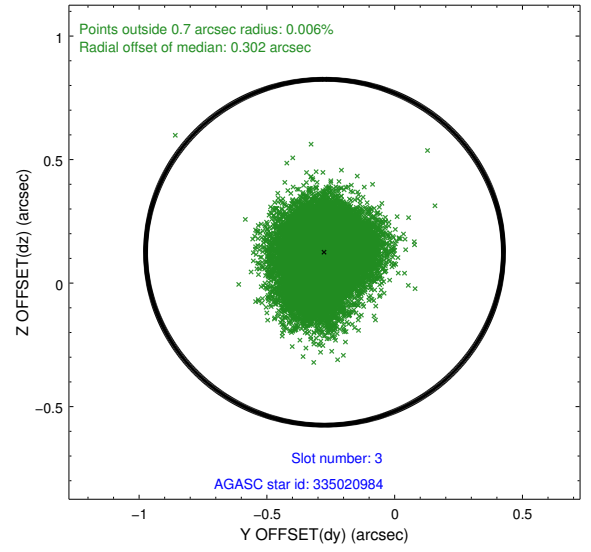
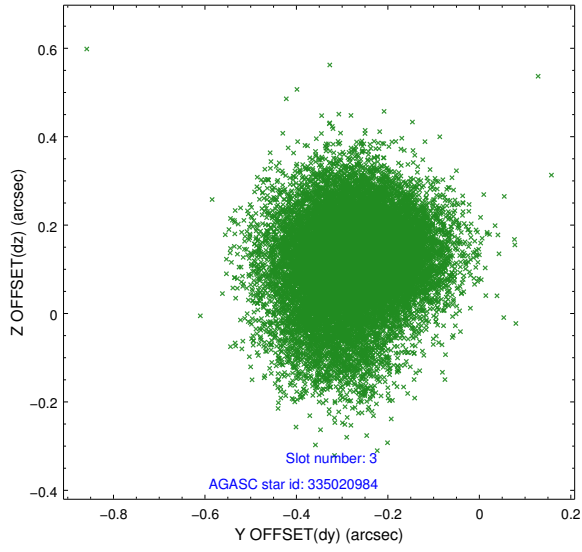


Slot Statistics

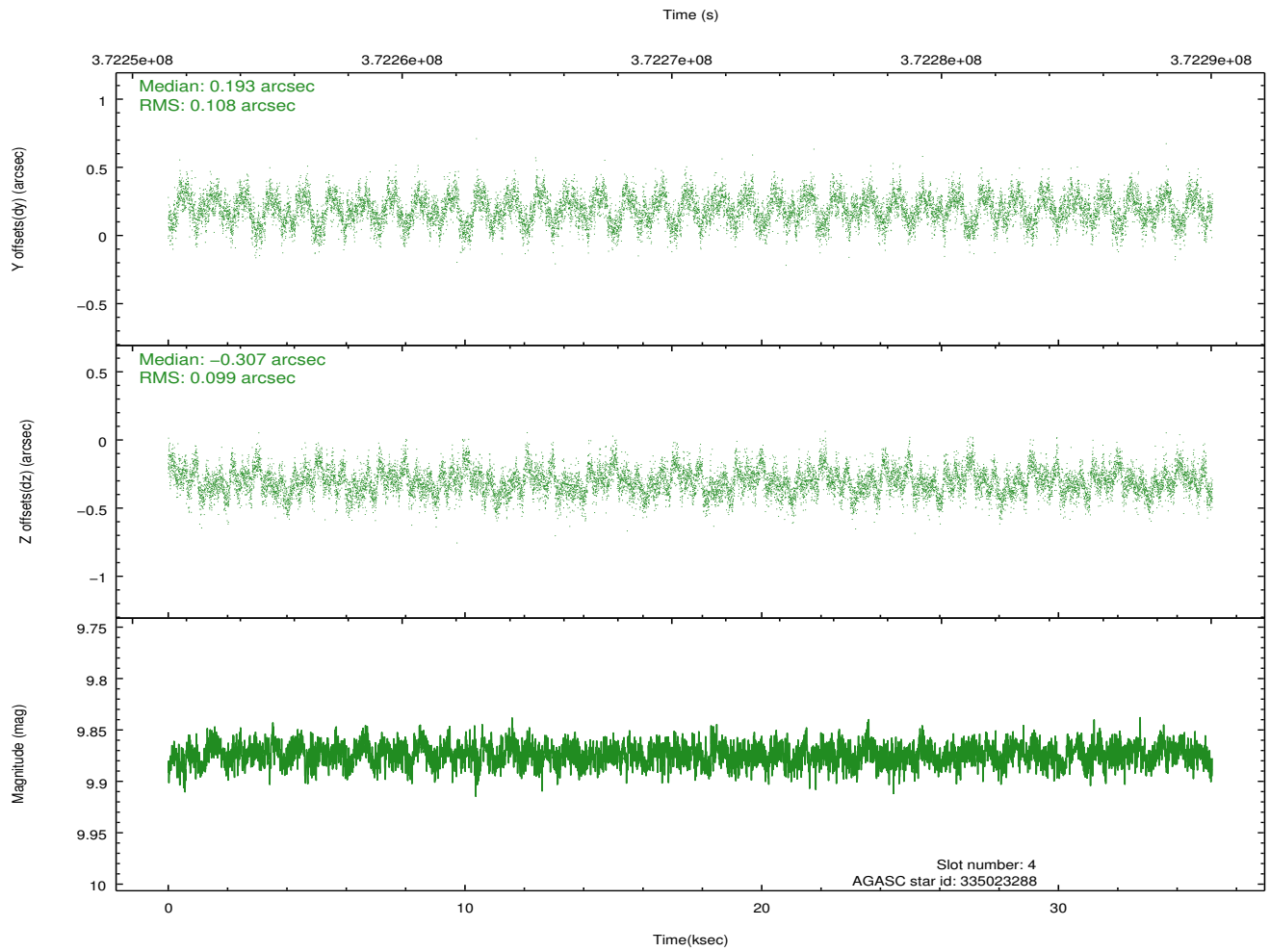
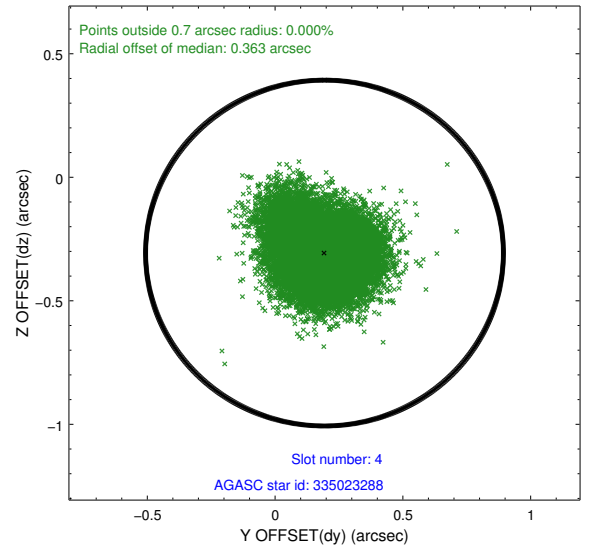
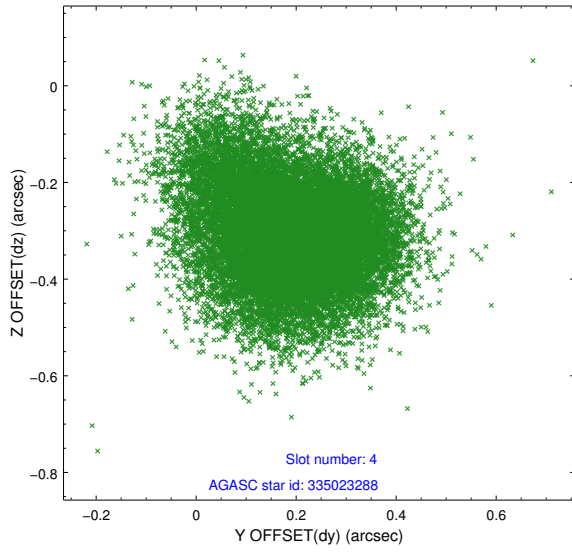
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	8583	-0.007	-0.046	0.016	0.026	0.000000	0.000000	928.72	-839.53
1	FID	ACIS-I-4	6.92	8581	0.061	0.058	0.017	0.034	0.000000	0.000000	2148.84	1060.38
2	FID	ACIS-I-5	6.97	8583	-0.154	0.058	0.010	0.021	0.000000	0.000000	-1819.40	1058.24
3	GUIDE	335020984	9.90	16962	-0.275	0.125	0.145	0.241	218.841668	33.815112	1482.15	-1870.24
4	GUIDE	335023288	9.87	17139	0.193	-0.307	0.156	0.251	217.791365	34.425735	-2224.45	-934.08
5	GUIDE	335023304	8.39	17154	-0.004	0.118	0.087	0.145	218.883608	34.686545	465.37	1098.94
6	GUIDE	335025040	9.89	17081	-0.145	0.050	0.161	0.246	218.601670	34.305240	180.00	-482.95
7	GUIDE	335152968	9.74	17111	0.242	0.016	0.129	0.204	219.446087	34.867883	1777.08	2312.65

2.4 Star Slots

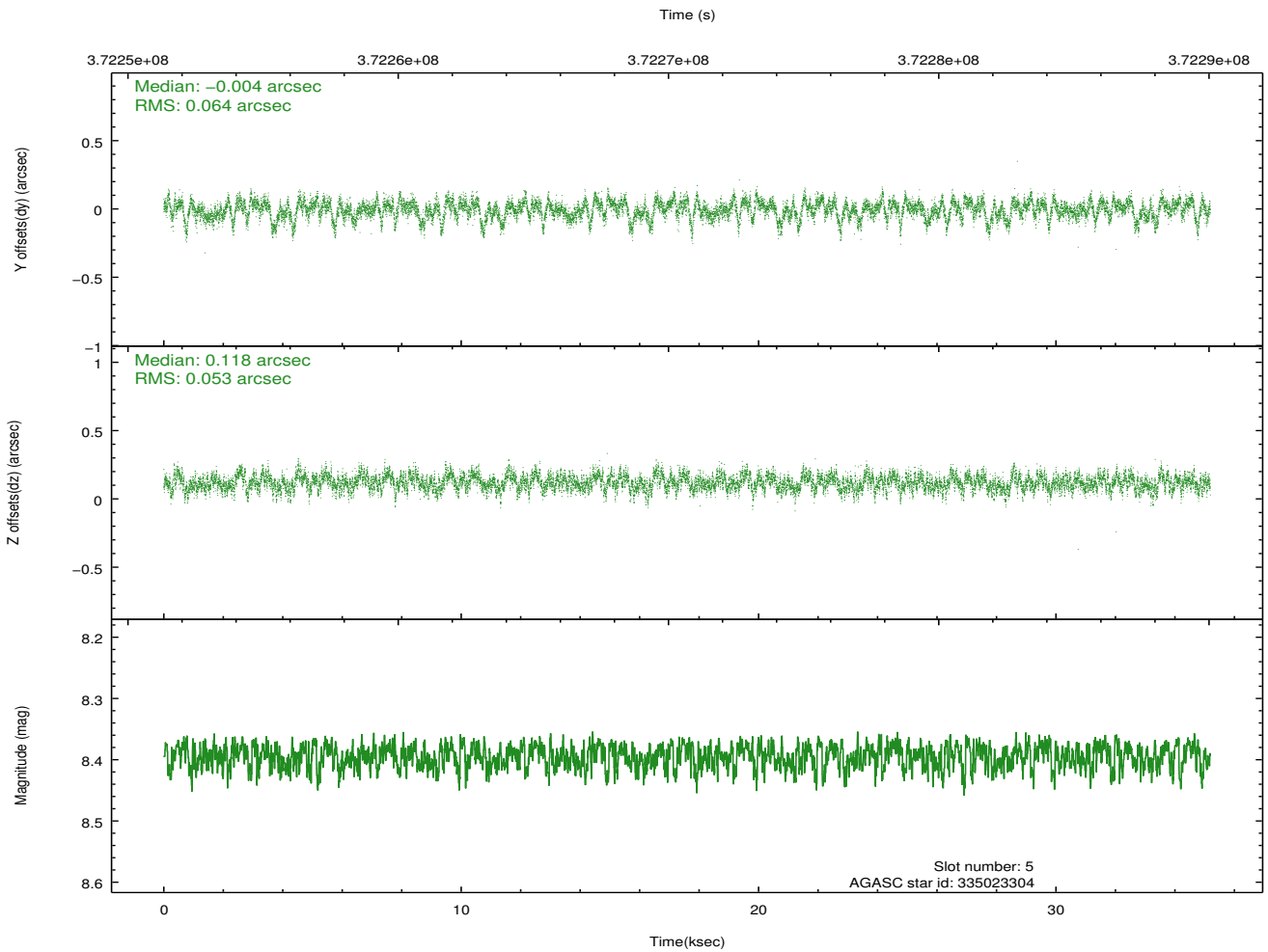
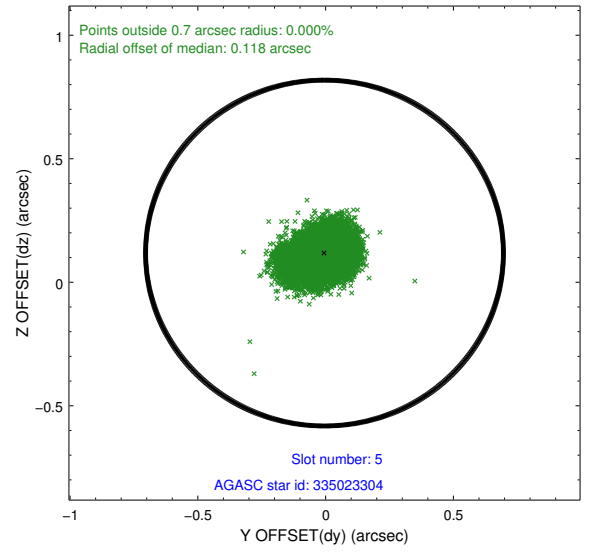
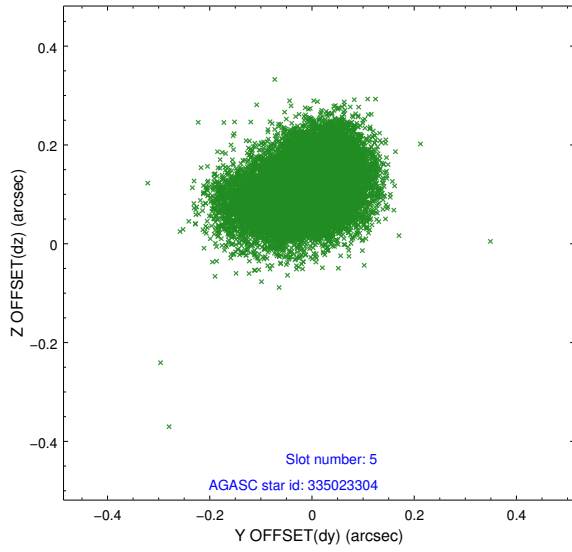
2.4.1 Slot 3



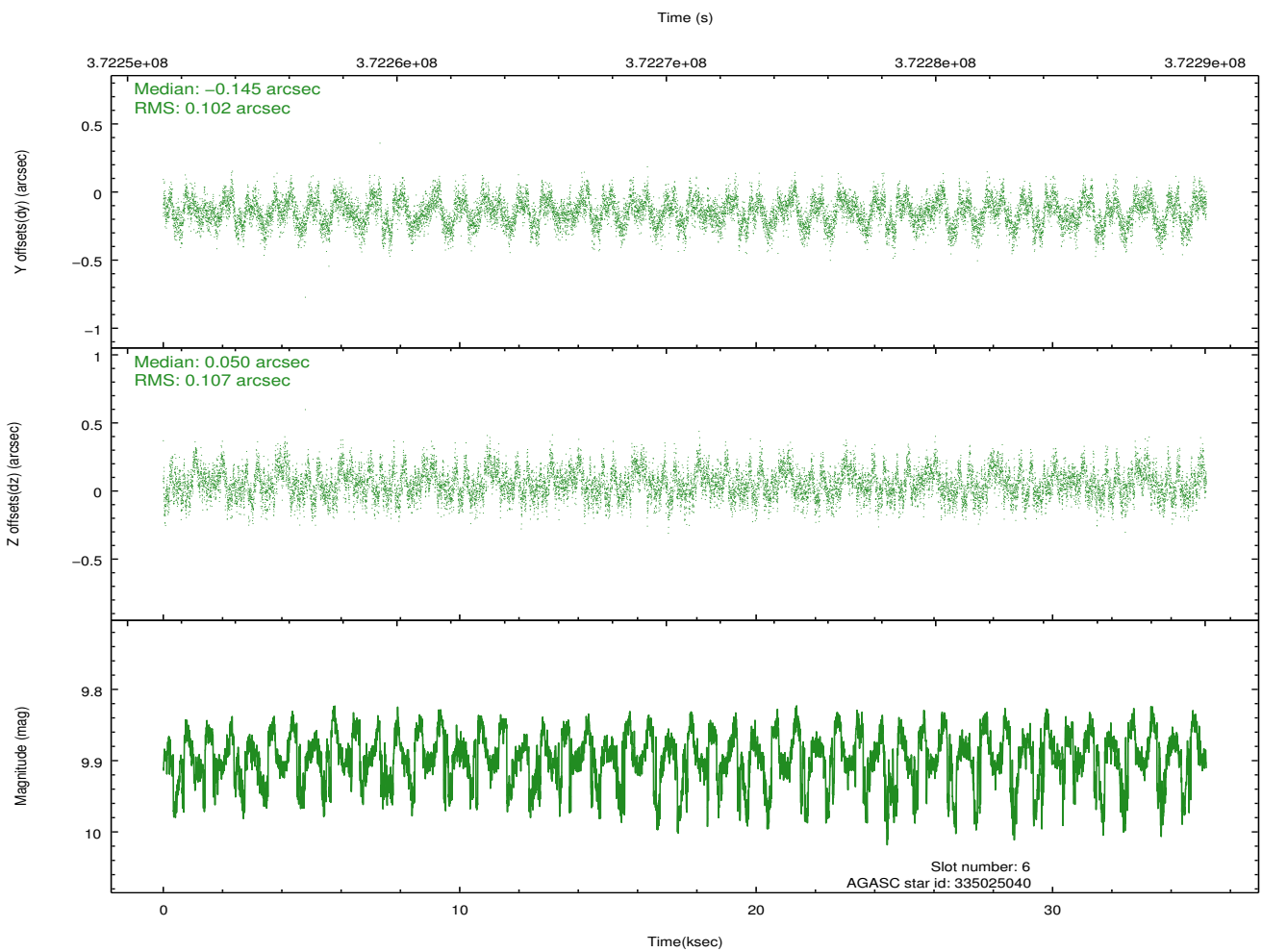
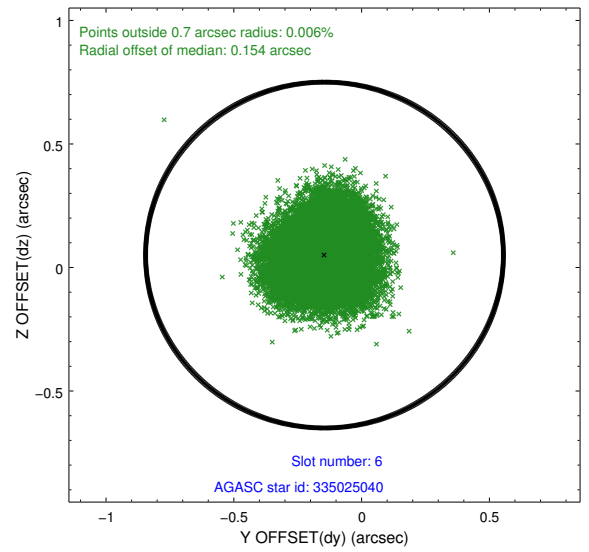
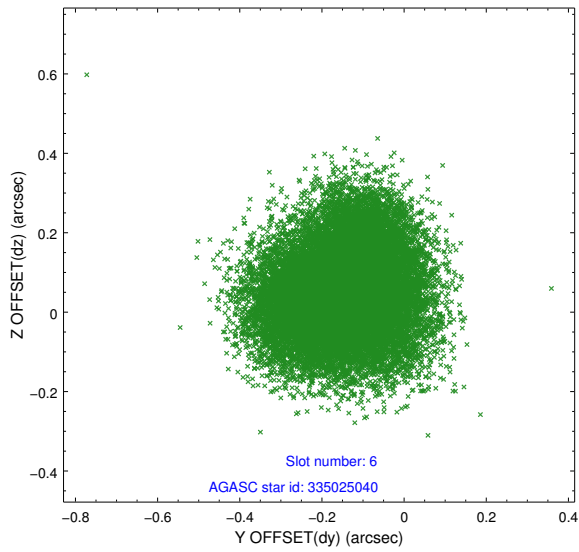
2.4.2 Slot 4



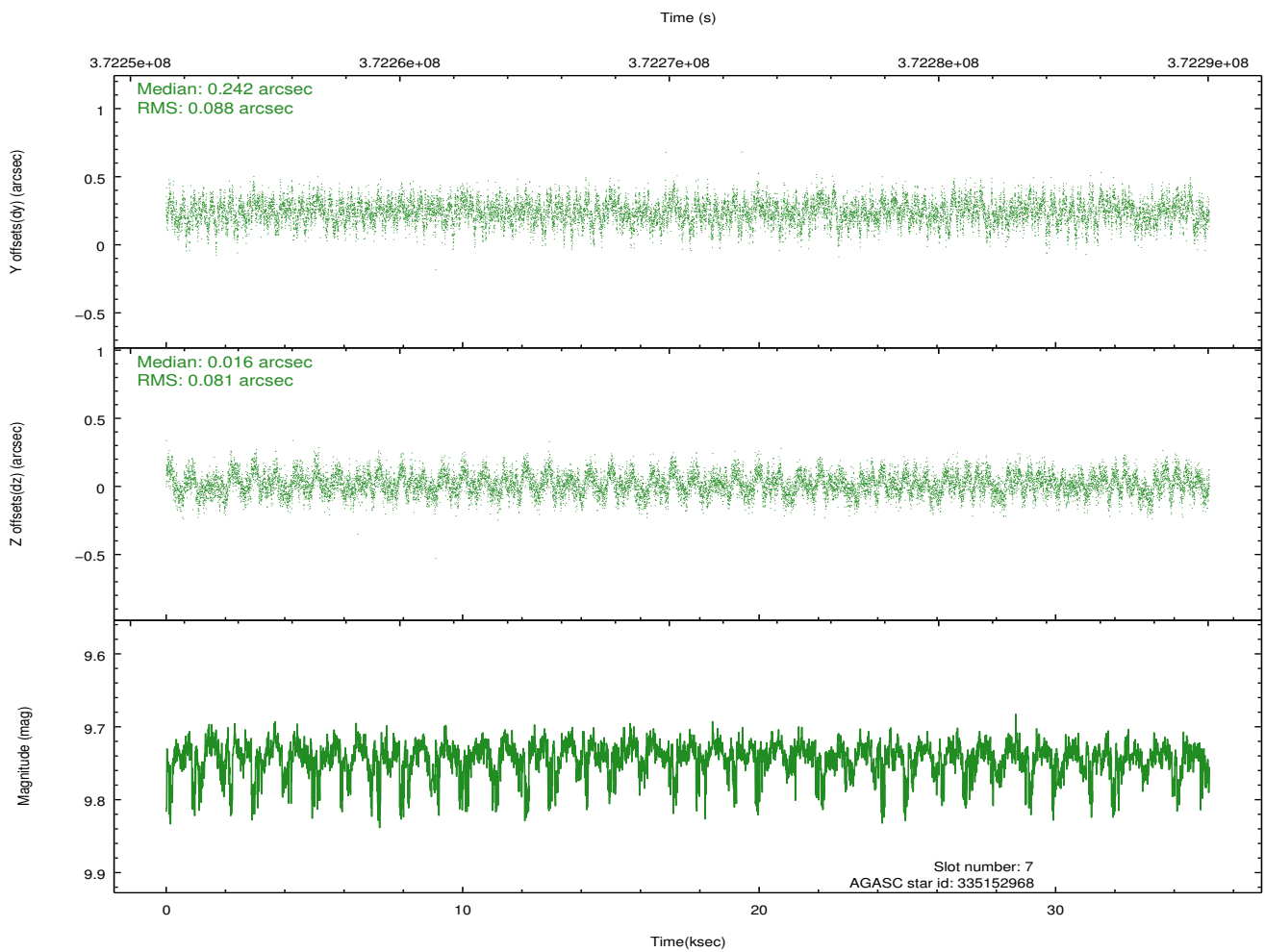
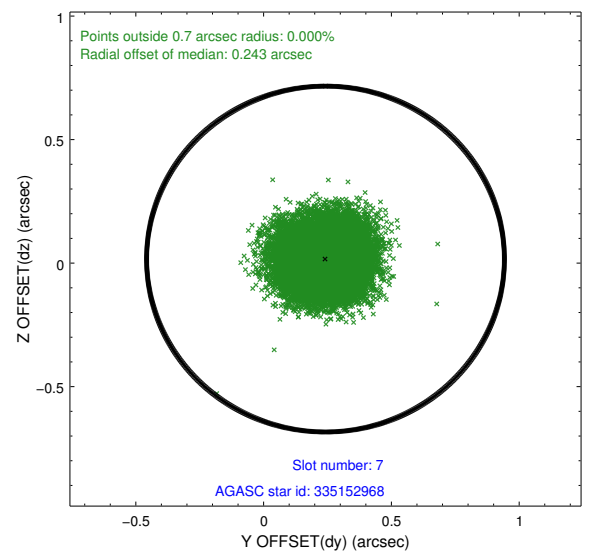
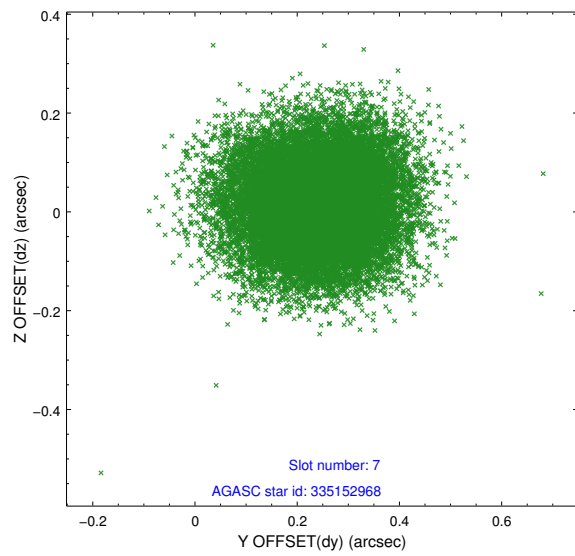
2.4.3 Slot 5



2.4.4 Slot 6

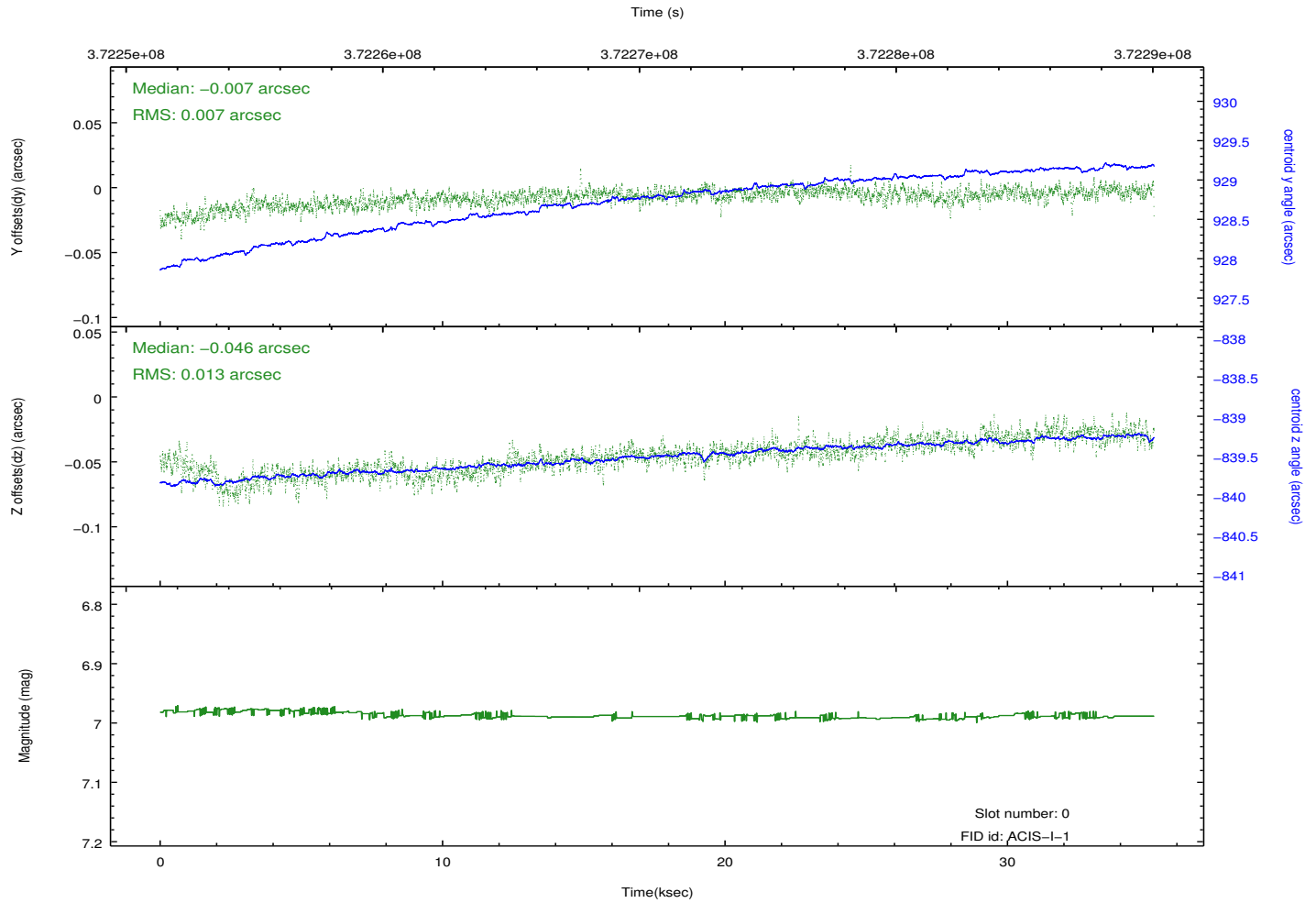
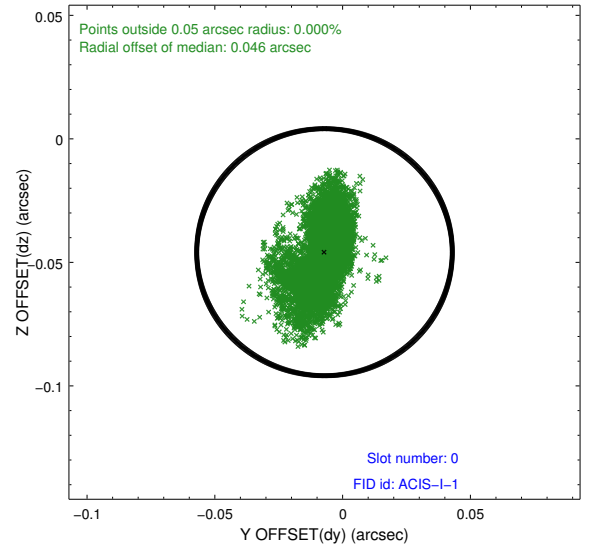
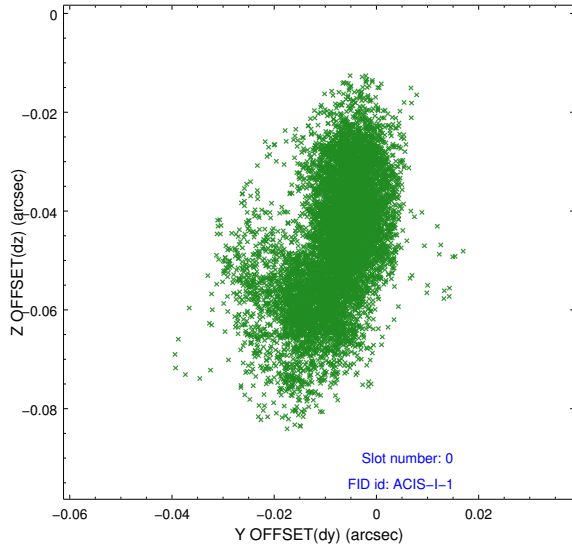


2.4.5 Slot 7

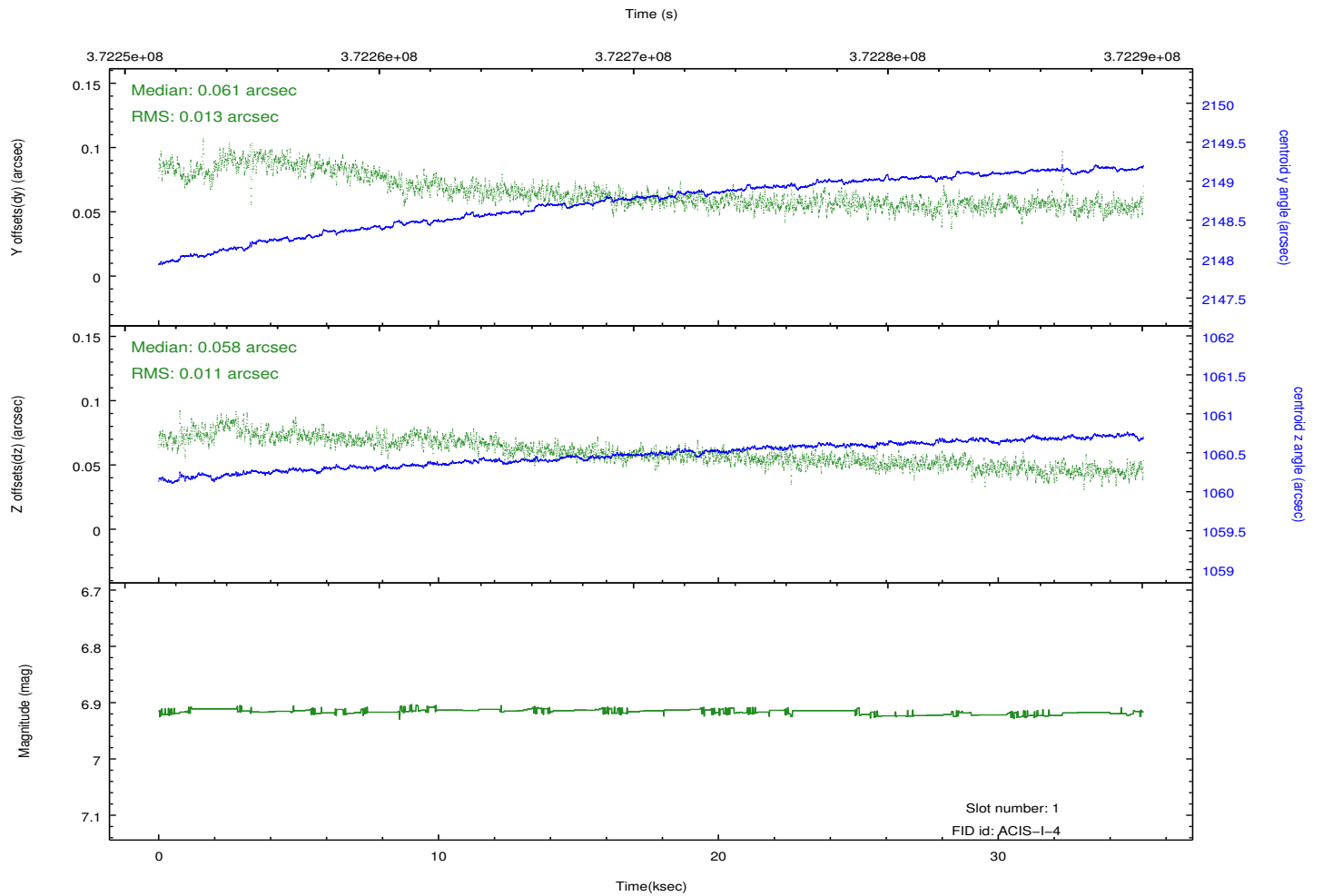
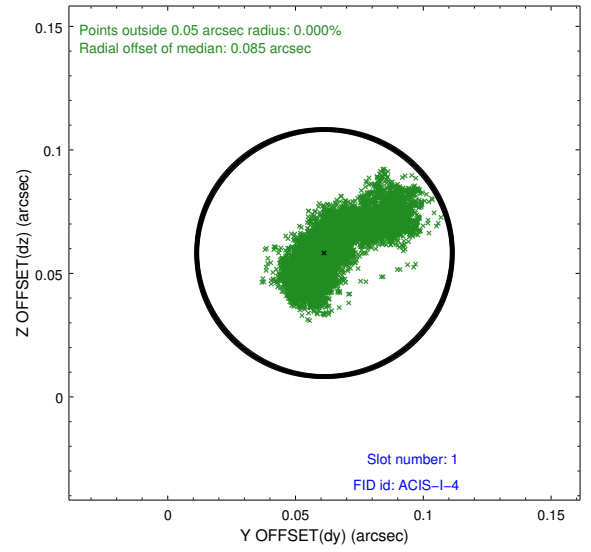
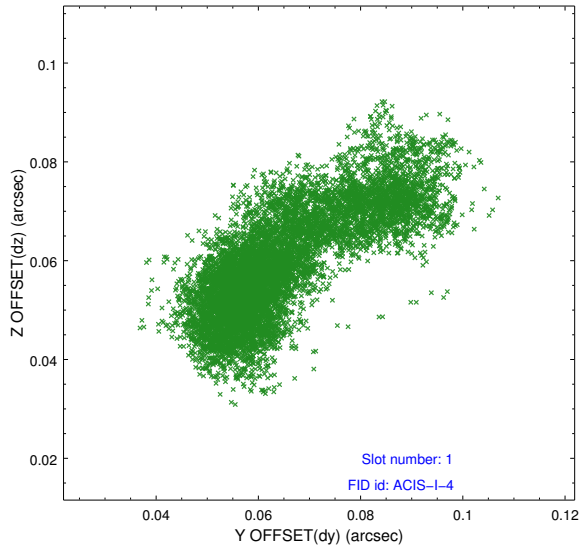


2.5 FID Slots

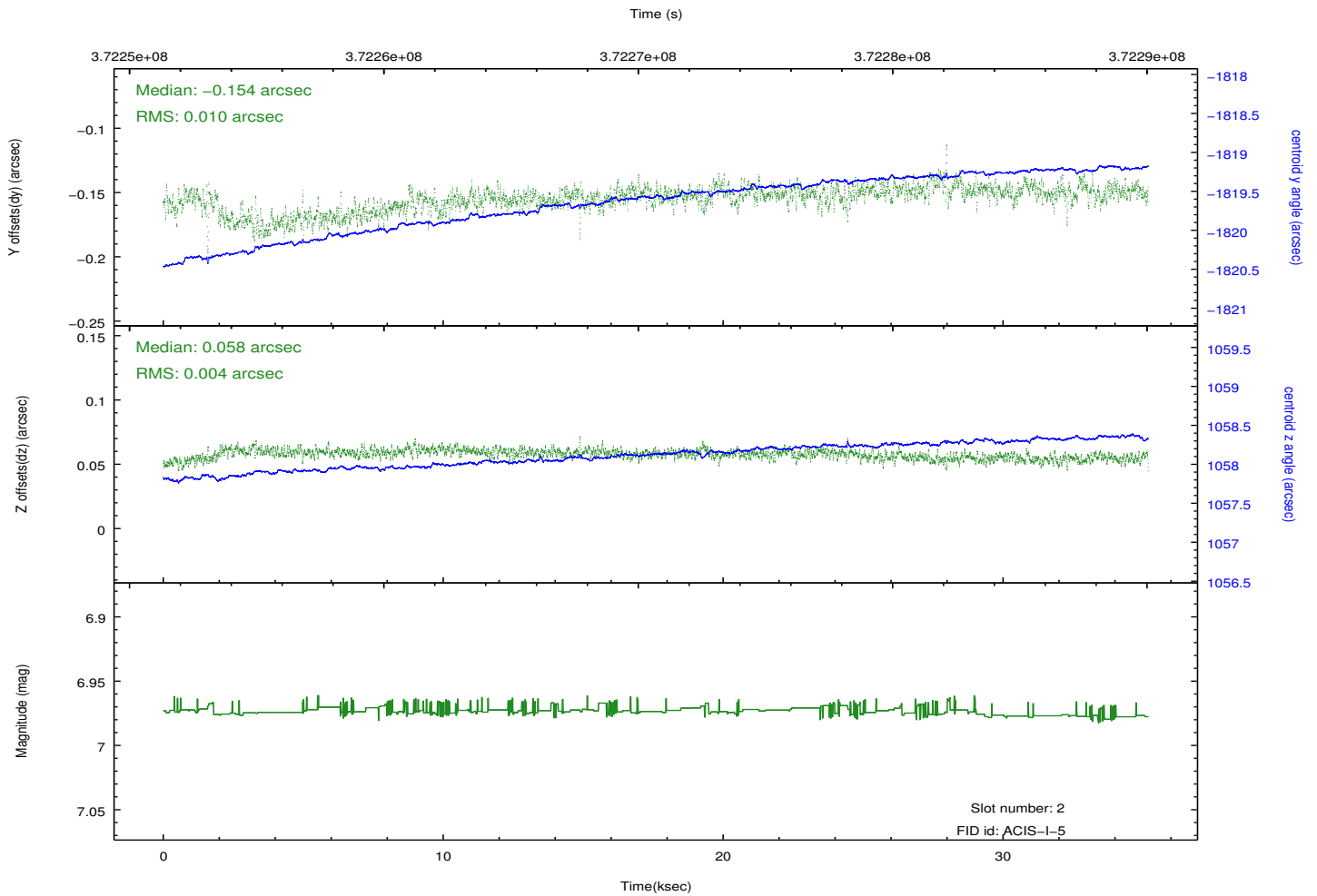
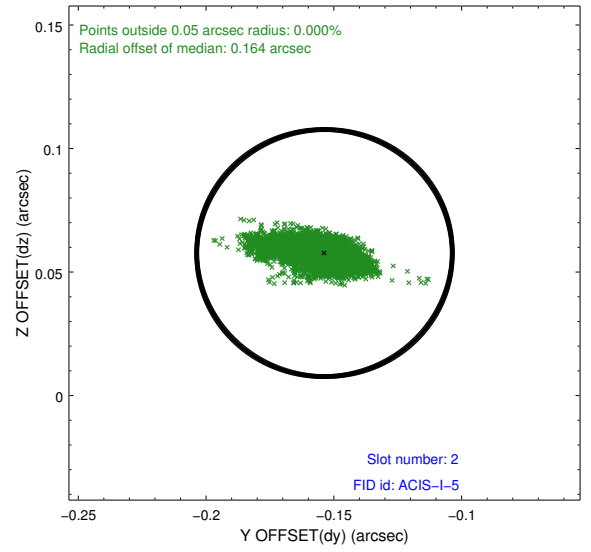
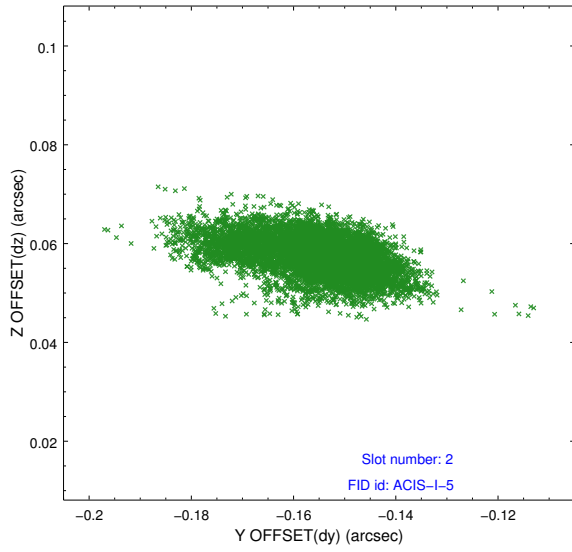
2.5.1 Slot 0



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)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.76960026741

A.2 Comments