

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11683 - L2 Version 2
Chandra X-Ray Center

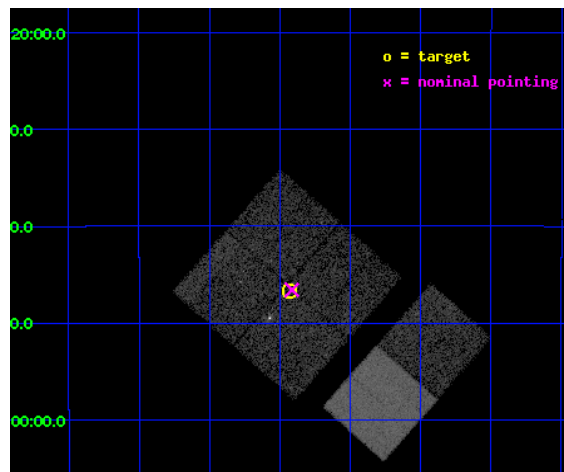
L2 Processing Date : Jun 28 2012

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1 Front

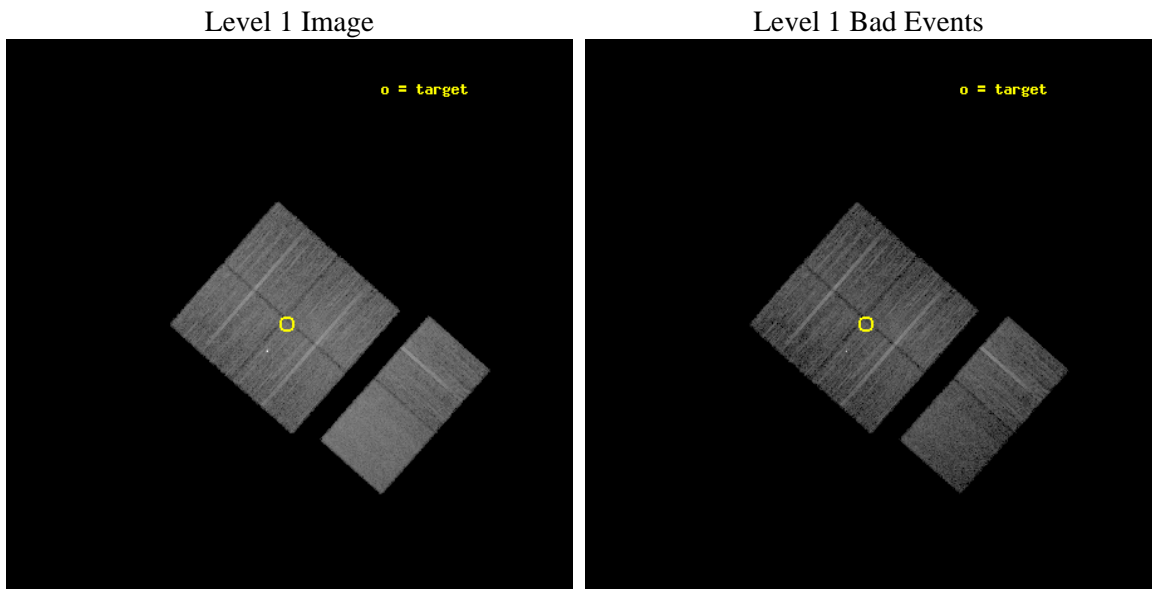
seq_num	702269	Sequence number
obs_id	11683	Observation id
title	Determining the Nature of the Faintest Hard X-ray Selected AGN with Chandra	Proposal title
observer	Mr. Shanil Virani	Principal investigator
object	IGRJ02599-1046	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	44.983333	Observer's specified target RA [deg]
dec_targ	-10.778056	Observer's specified target Dec [deg]
ra_nom	44.978516912908	Nominal RA [deg]
dec_nom	-10.776346806519	Nominal Dec [deg]
roll_nom	131.5134159119	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10050.478336692	Sum of GTIs [s]
livetime	9923.2131283212	Livetime [s]
ontime0	10050.355216682	Sum of GTIs [s]
ontime1	10050.396256685	Sum of GTIs [s]
ontime2	10050.437296689	Sum of GTIs [s]
ontime3	10050.478336692	Sum of GTIs [s]
ontime6	10050.560416698	Sum of GTIs [s]
ontime7	10050.519376695	Sum of GTIs [s]
l2events	77249	Number of level 2 events



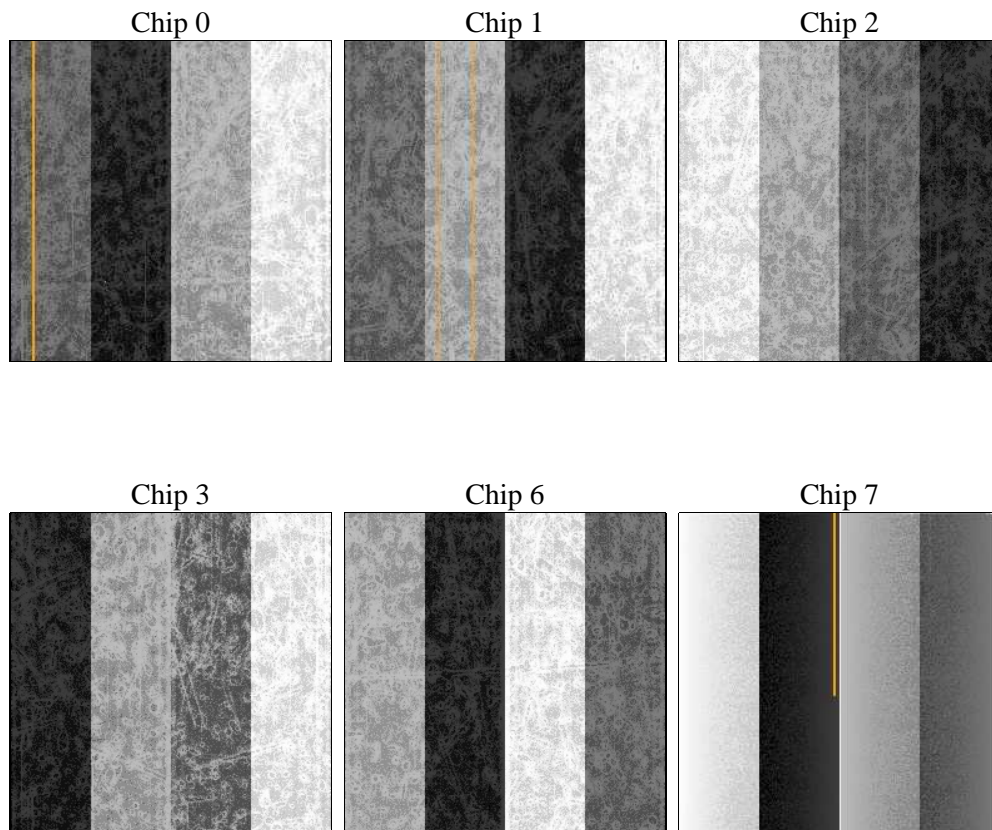
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10050.478336692	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	10050.355216682	Sum of GTIs [s]
date	2012-06-28T20:06:10	Date and time of file creation	ontime1	10050.396256685	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10050.437296689	Sum of GTIs [s]
			ontime3	10050.478336692	Sum of GTIs [s]
			ontime6	10050.560416698	Sum of GTIs [s]
			ontime7	10050.519376695	Sum of GTIs [s]
			l1events	455339	Number of level 1 events

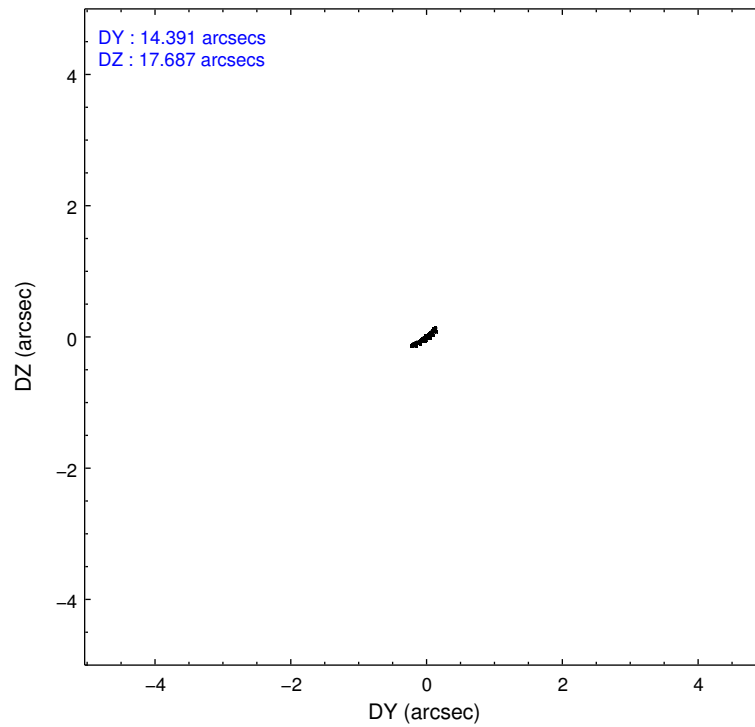
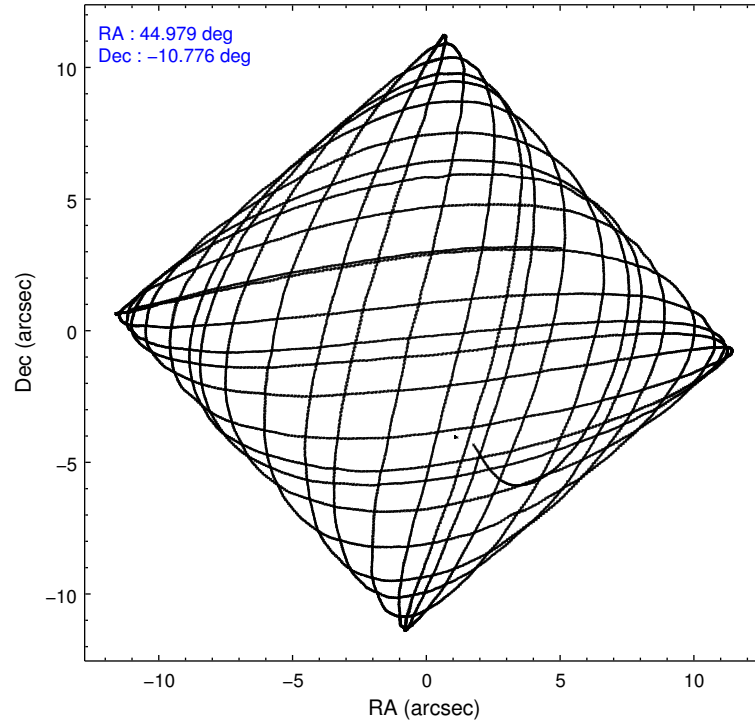
2.1.4 Events

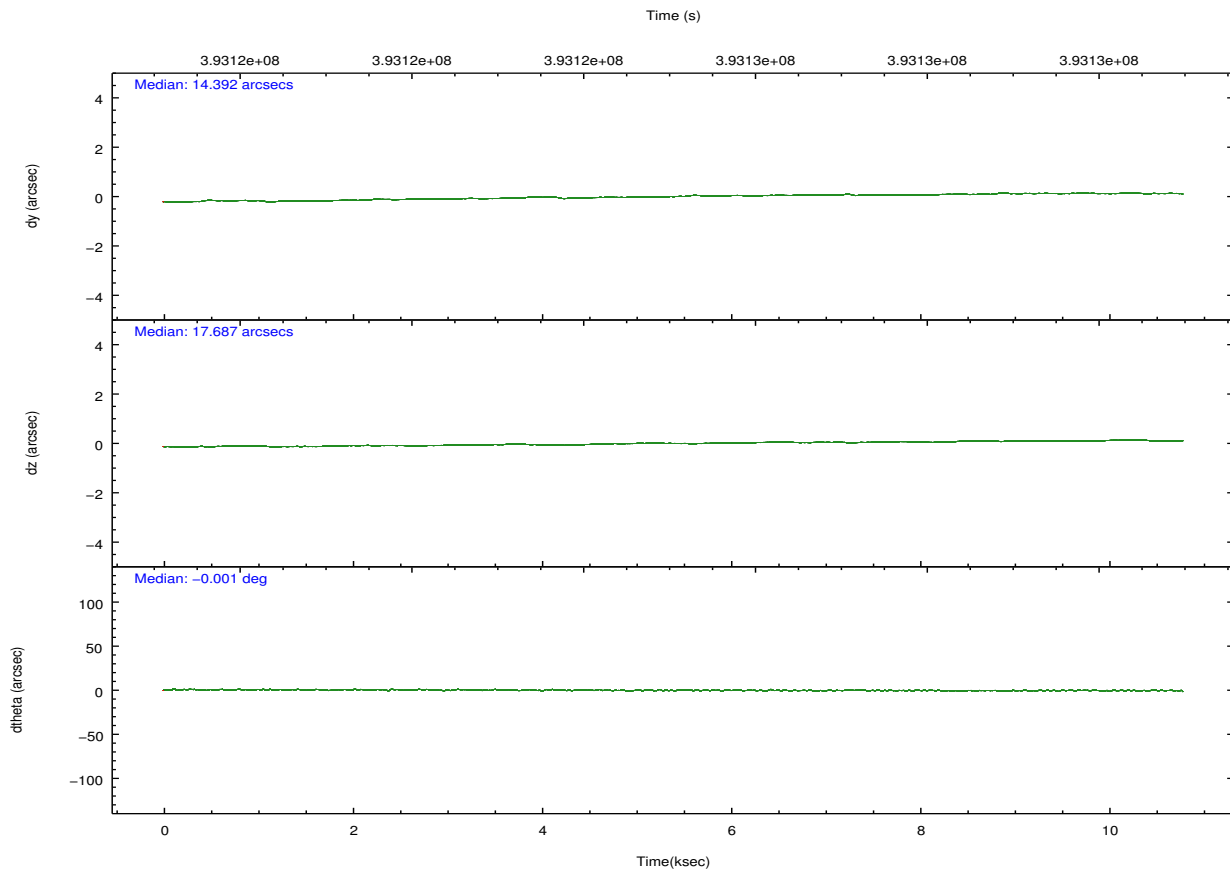
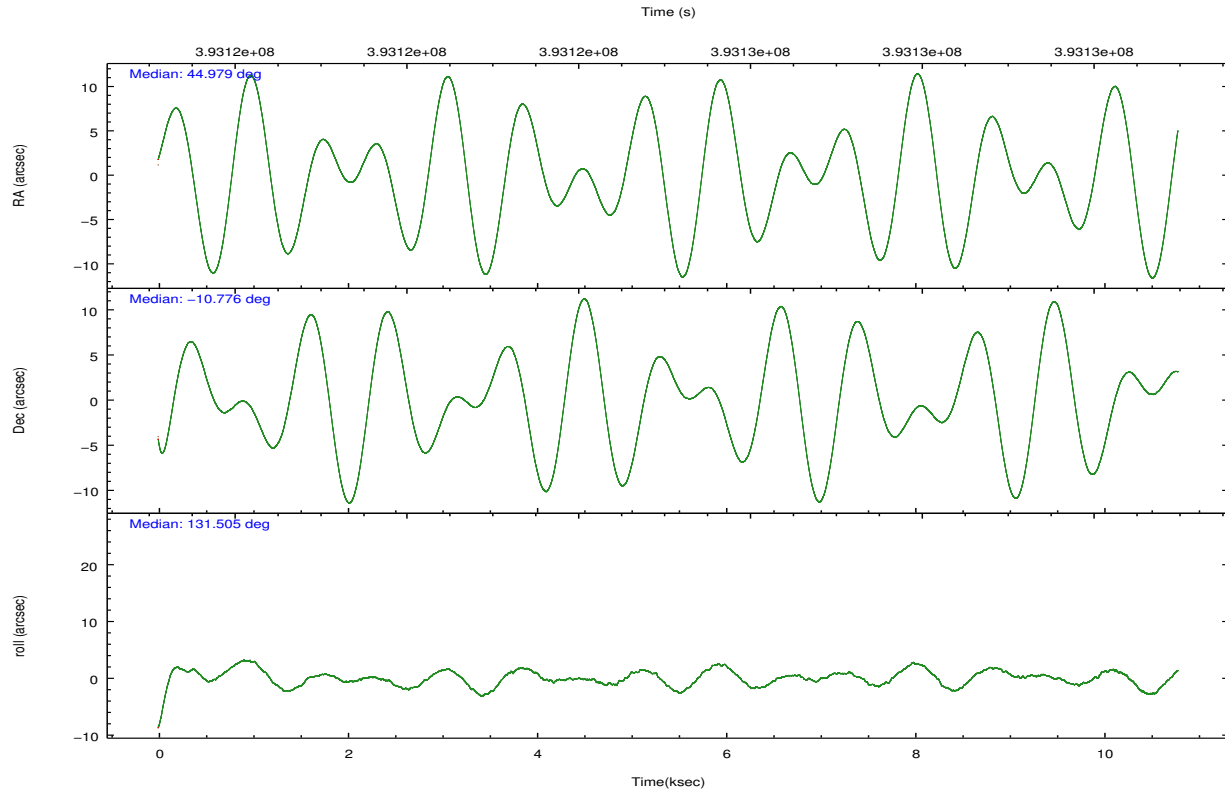
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	67684	69770	78468	75253	75491	88673	grade 0 events	2831	3451	2855	5093	3050	3586
rejected events	59560	60681	70621	64077	66993	48395		4%	4%	3%	6%	4%	4%
rejected %	87%	86%	89%	85%	88%	54%	grade 1 events	41	38	46	351	36	111
								0%	0%	0%	0%	0%	0%
							grade 2 events	2063	2066	1834	2250	1998	8297
								3%	2%	2%	2%	2%	9%
							grade 3 events	873	896	825	1061	798	3672
								1%	1%	1%	1%	1%	4%
							grade 4 events	781	864	827	1046	840	3460
								1%	1%	1%	1%	1%	3%
							grade 5 events	2848	3065	2692	3506	3301	9255
								4%	4%	3%	4%	4%	10%
							grade 6 events	1583	1817	1508	1735	1817	21282
								2%	2%	1%	2%	2%	24%
							grade 7 events	56664	57573	67881	60211	63651	39010
								83%	82%	86%	80%	84%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	45.005118	44.97851691290774	CCD I2 on	Y	Y
[deg] Pointing Dec	-10.784984	-10.77634680651903	CCD I3 on	Y	Y
[deg] Pointing Roll	131.309712	131.5134159118982	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	Y	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	393120420.184000	393119113.2568	CCD S5 on	N	N
Observation start date	2010-06-17T00:05:54	2010-06-16T23:45:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	393130420.184000	393131749.45744	On-chip summing requested	N	N
Observation end date	2010-06-17T02:52:34	2010-06-17T03:15:49	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



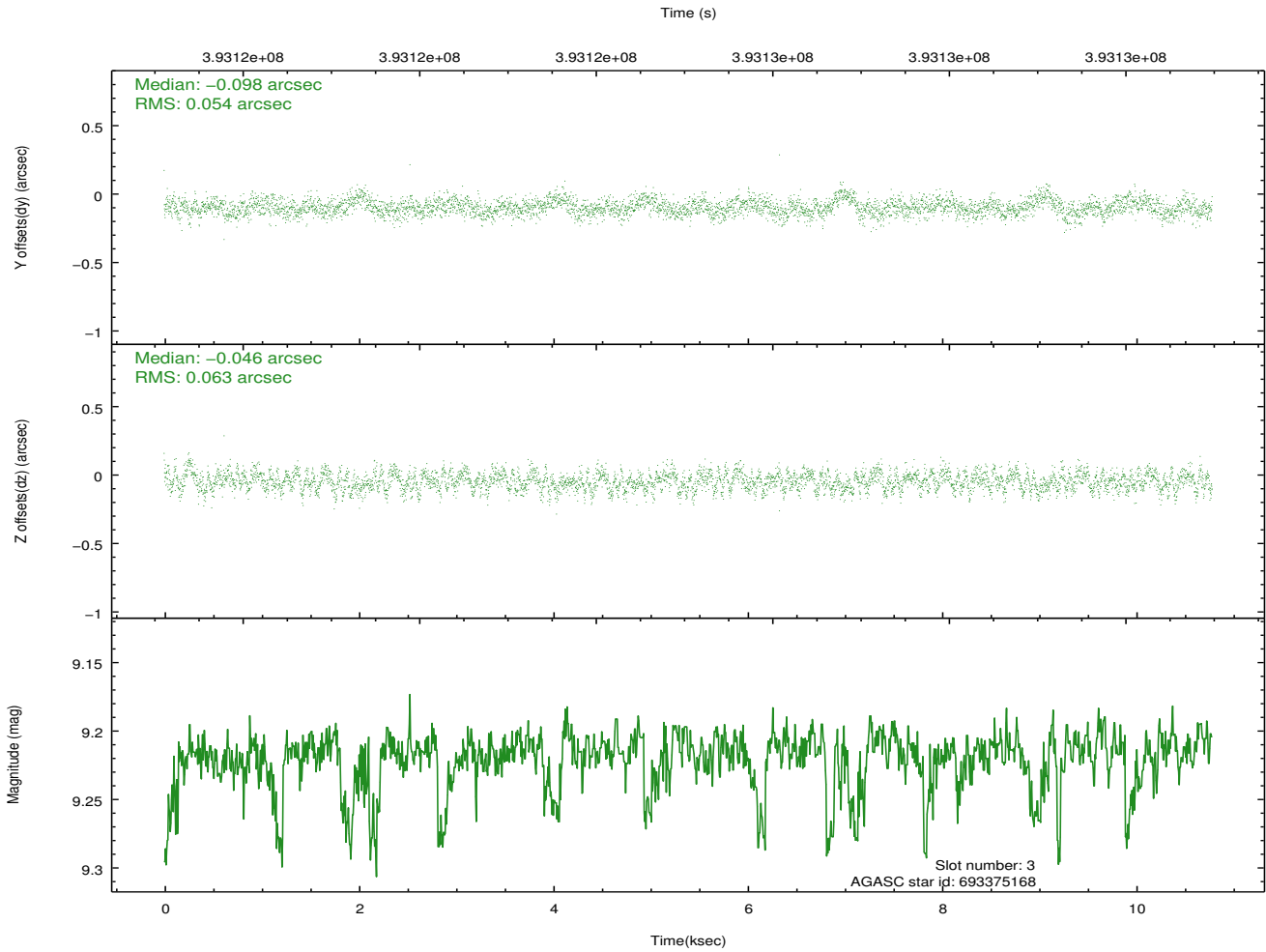
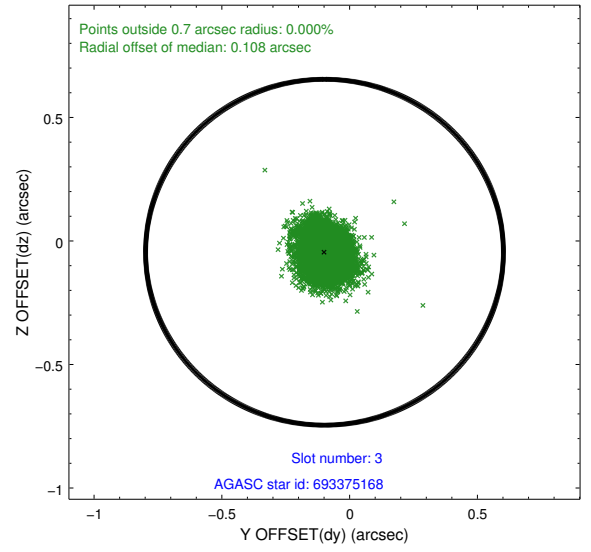
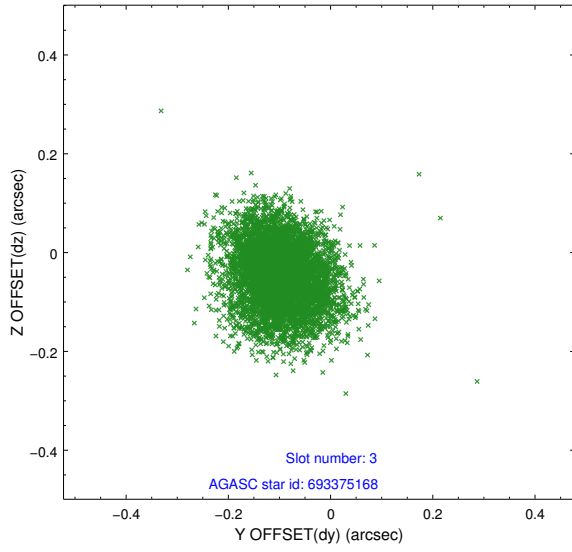


Slot Statistics

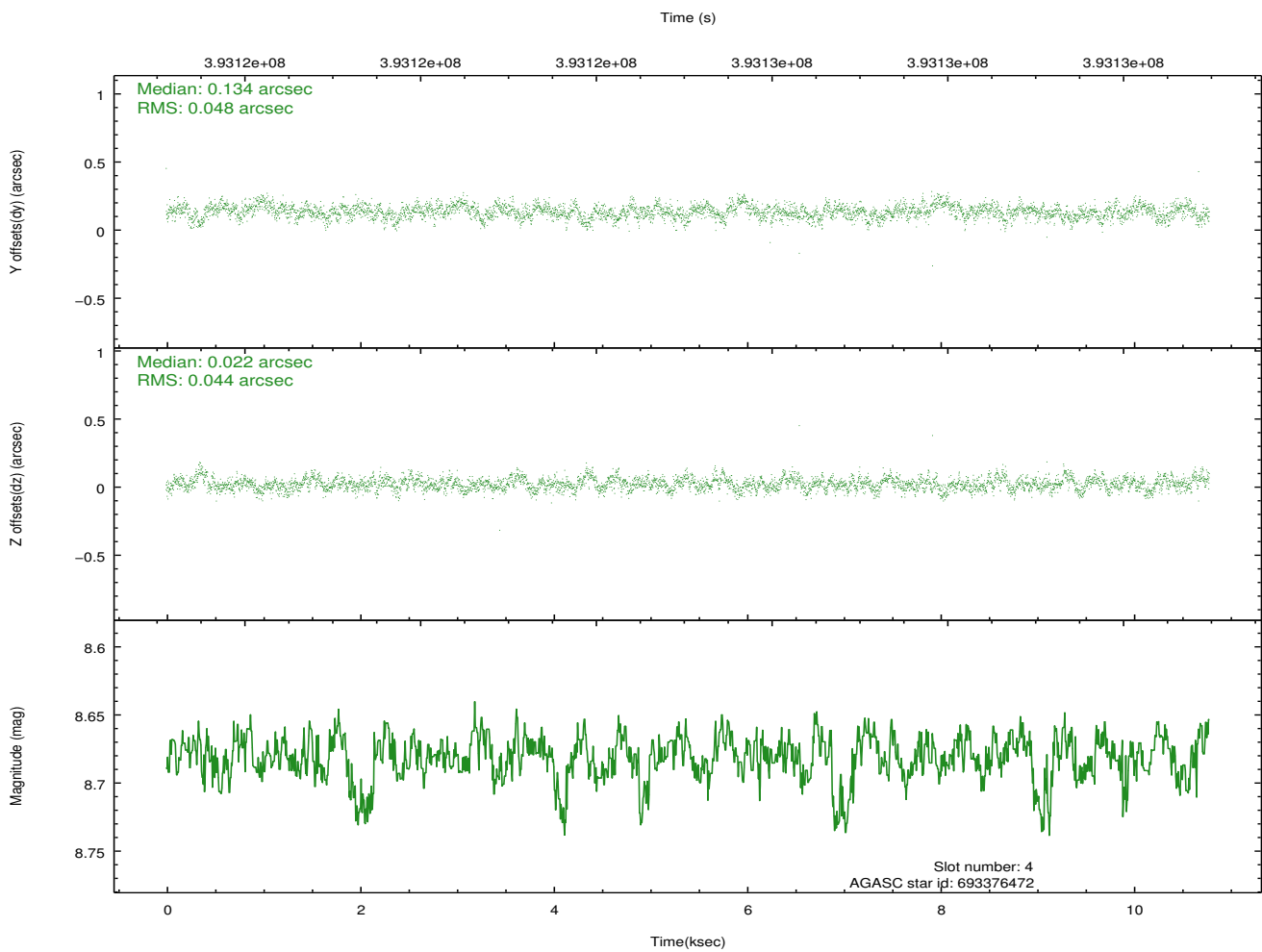
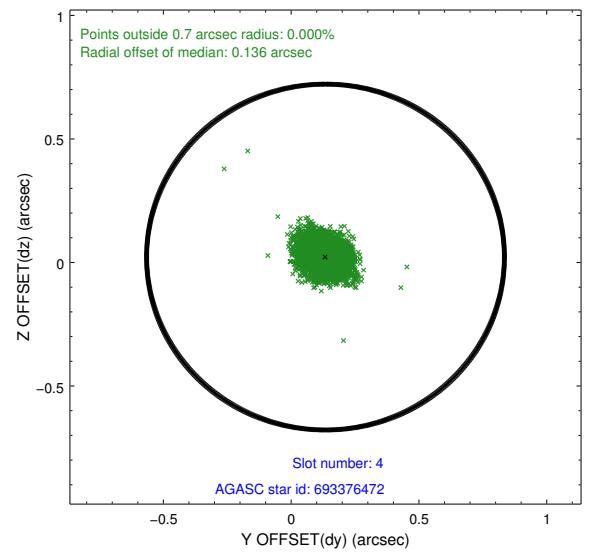
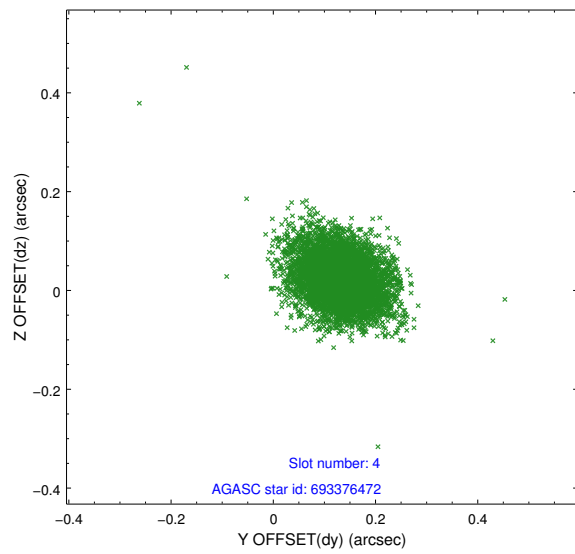
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	2631	0.073	-0.017	0.006	0.011	0.000000	0.000000	925.16	-841.38
1	FID	ACIS-I-5	7.00	2631	-0.234	0.074	0.007	0.011	0.000000	0.000000	-1822.97	1055.99
2	FID	ACIS-I-6	7.01	2631	0.070	0.013	0.008	0.011	0.000000	0.000000	390.20	1700.95
3	GUIDE	693375168	9.22	5261	-0.098	-0.046	0.087	0.141	44.731695	-10.949422	192.27	1115.67
4	GUIDE	693376472	8.68	5256	0.134	0.022	0.067	0.113	45.084872	-11.294267	-1563.48	999.17
5	GUIDE	693376512	7.62	5262	-0.068	-0.193	0.068	0.108	44.880930	-10.681634	568.98	84.36
6	GUIDE	693376720	7.86	5194	-0.049	0.242	0.082	0.137	45.226053	-10.035374	1509.90	-2368.59
7	GUIDE	693378592	7.25	5260	0.077	-0.024	0.072	0.120	45.078815	-11.459037	-1994.18	1406.13

2.4 Star Slots

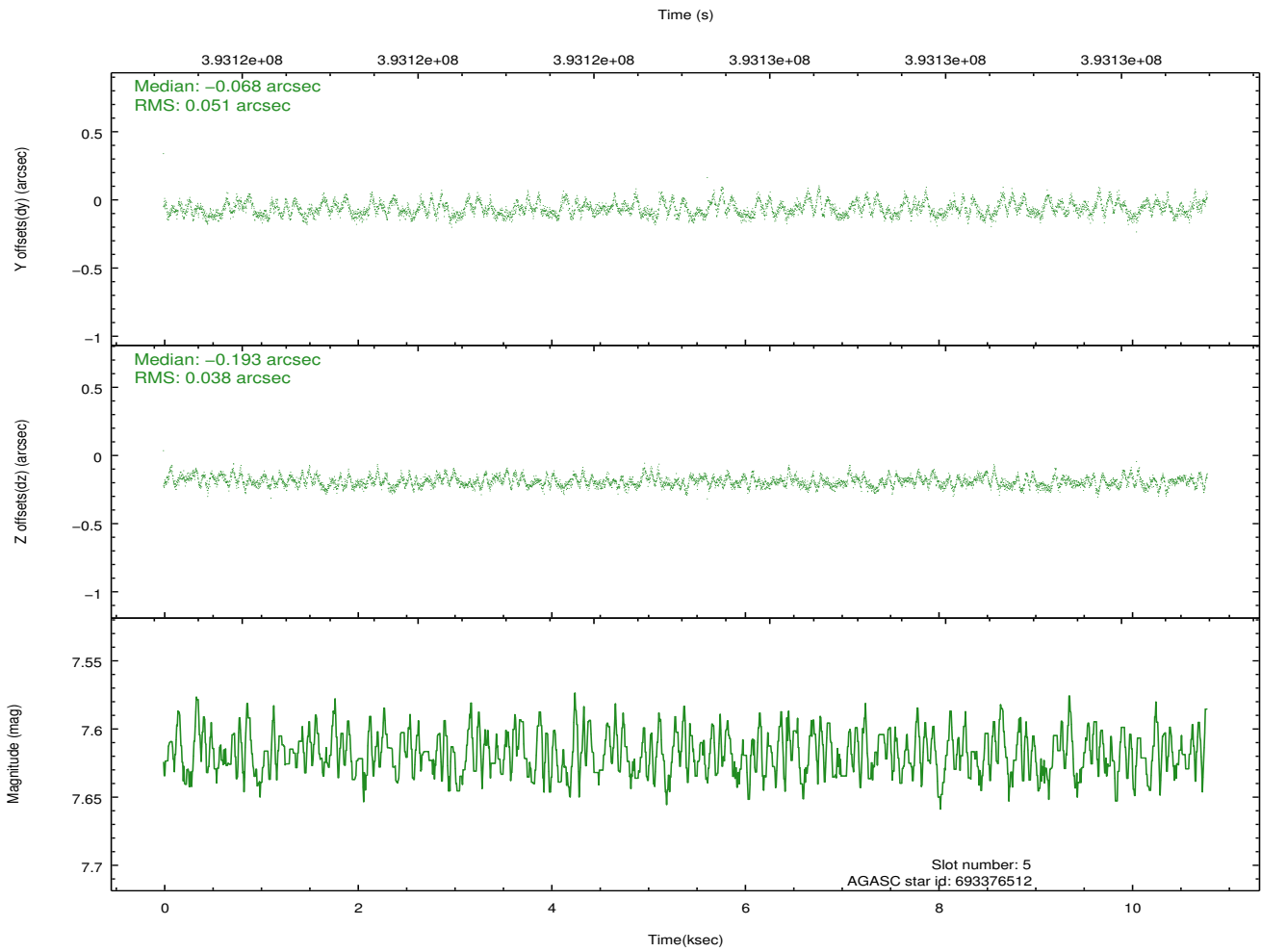
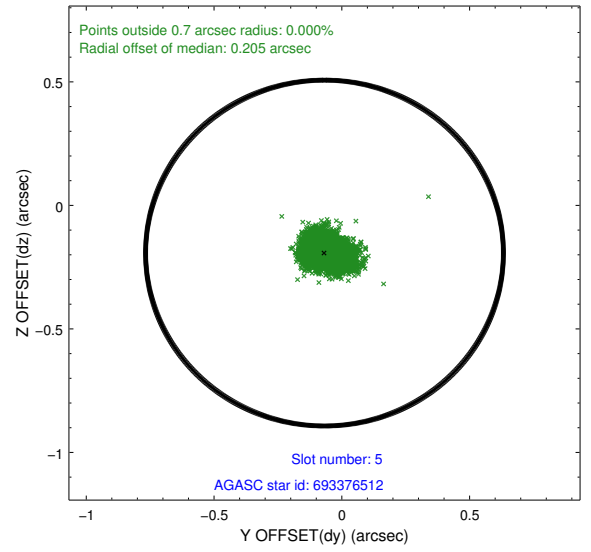
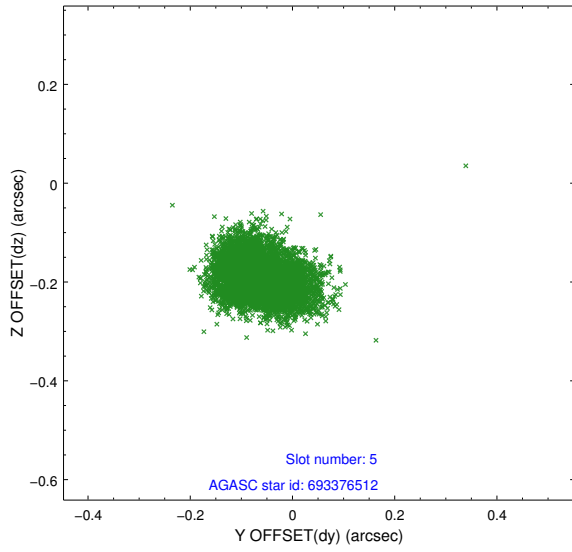
2.4.1 Slot 3



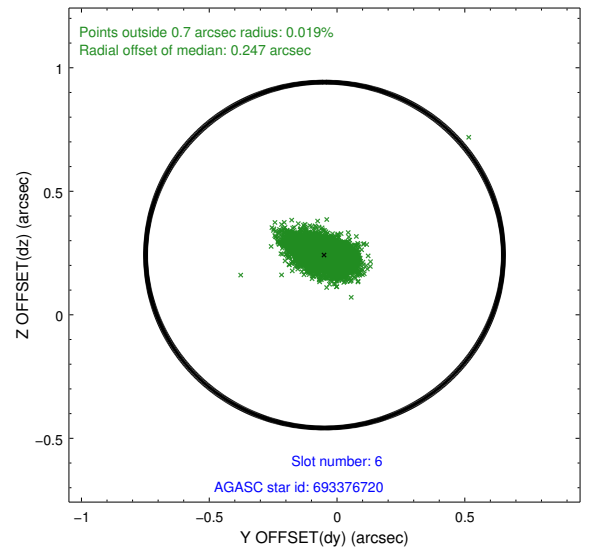
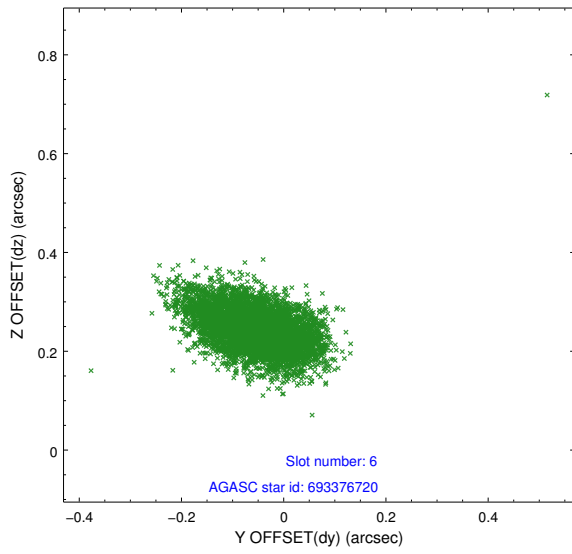
2.4.2 Slot 4



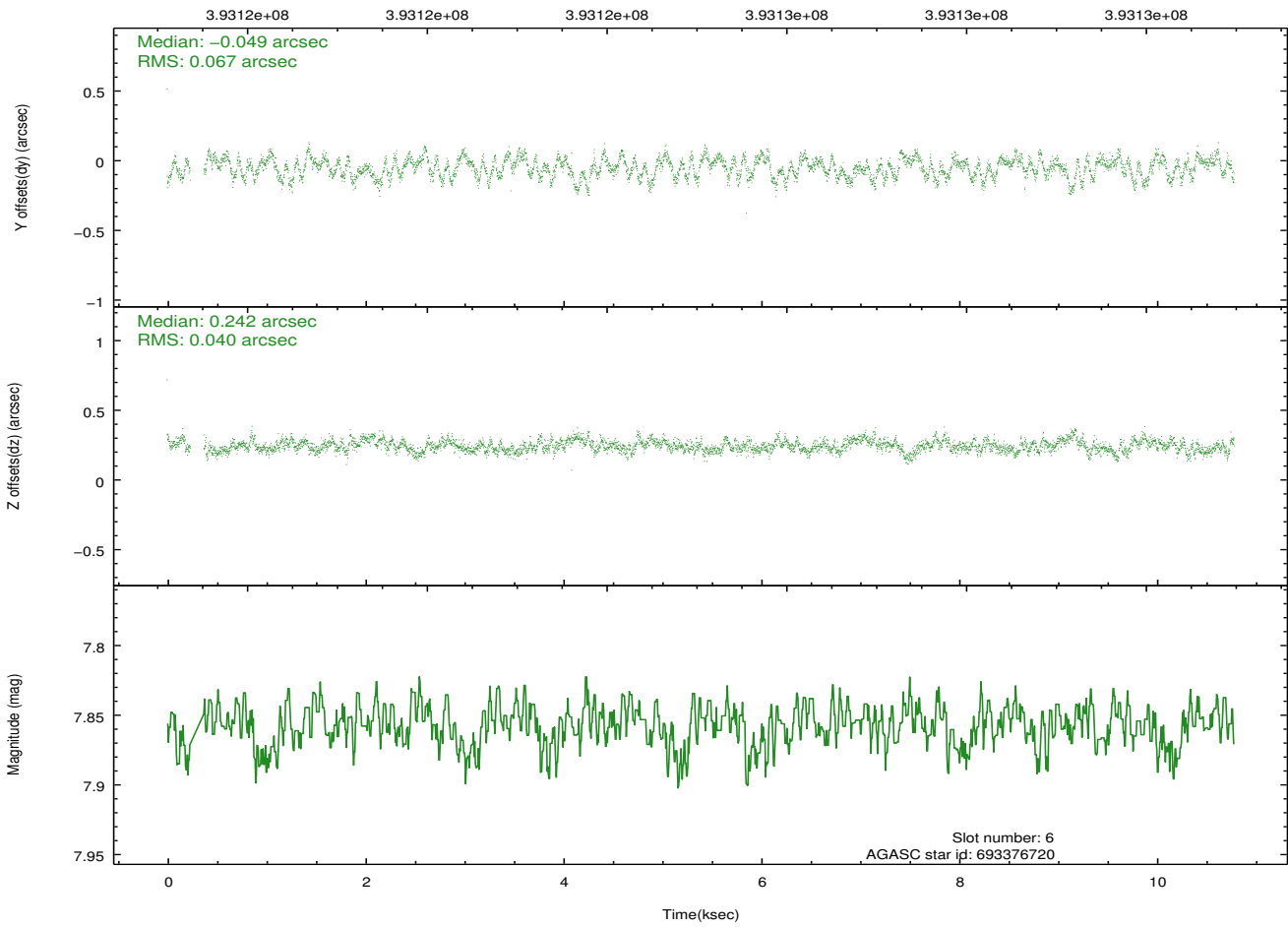
2.4.3 Slot 5



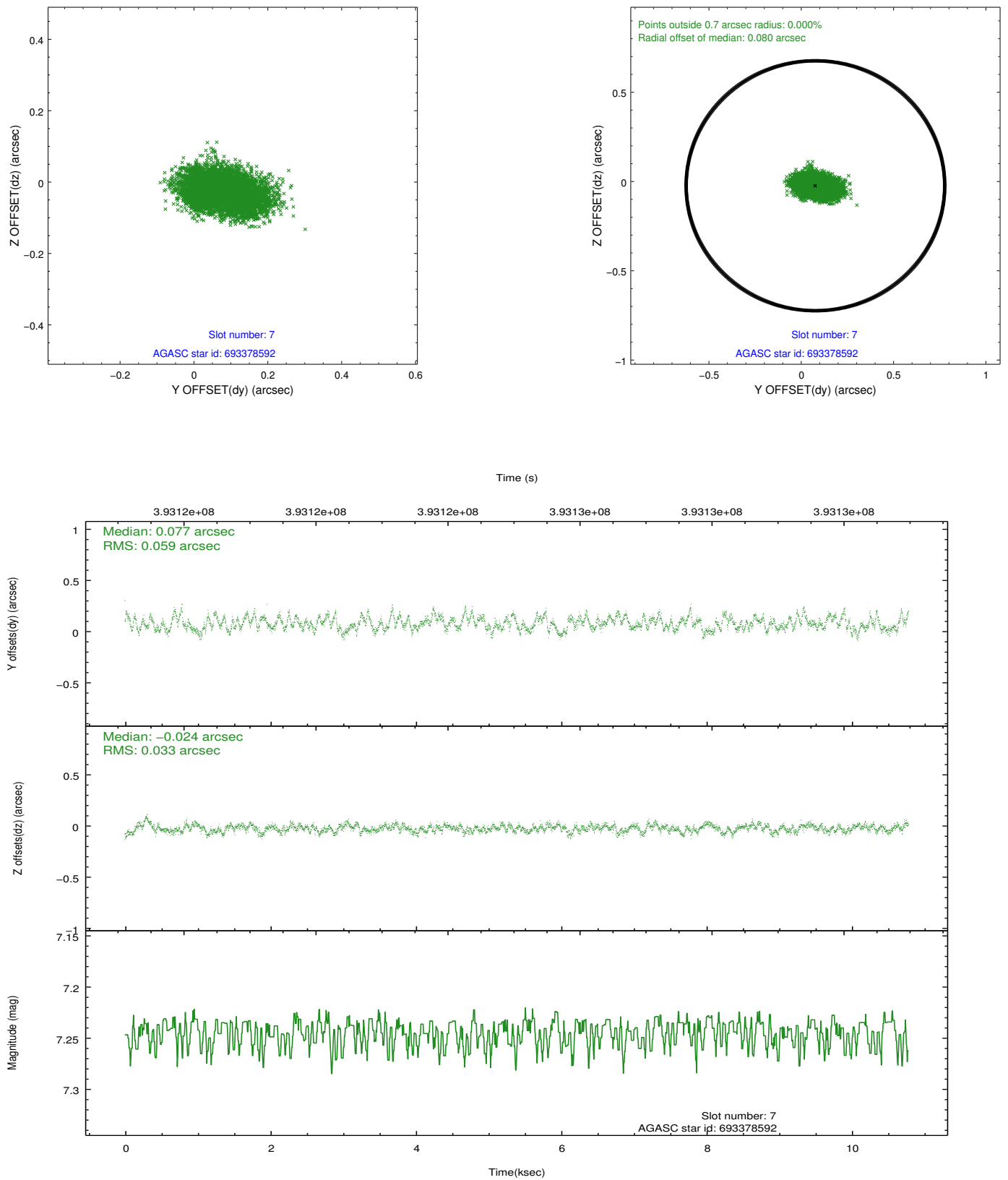
2.4.4 Slot 6



Time (s)

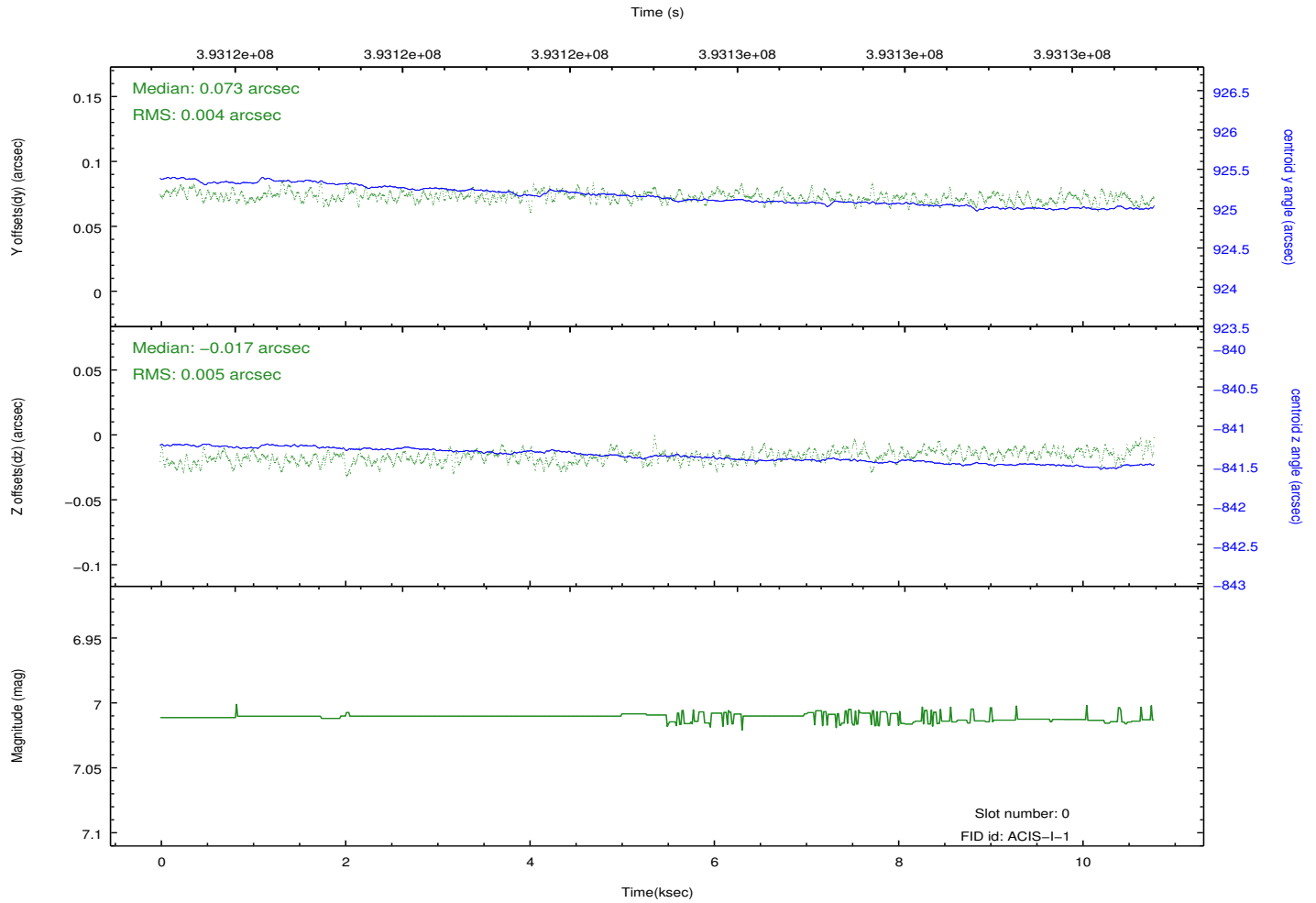
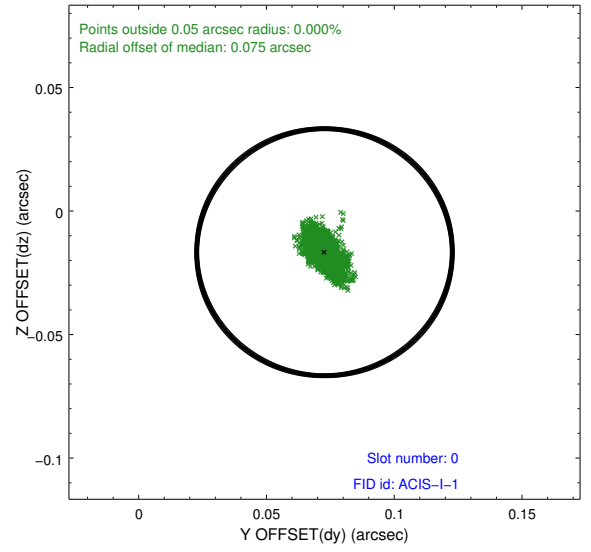
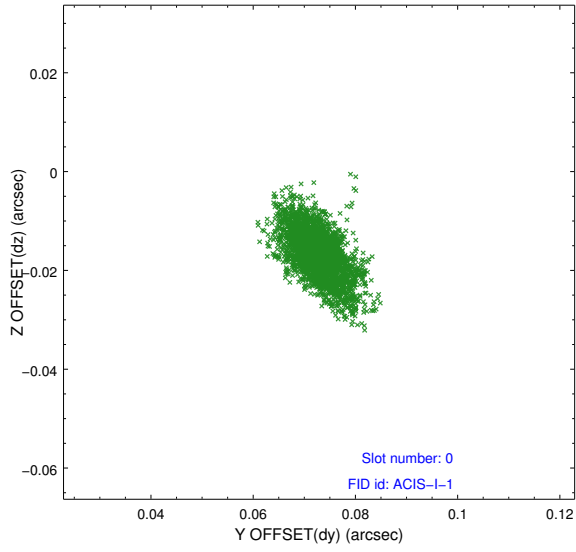


2.4.5 Slot 7

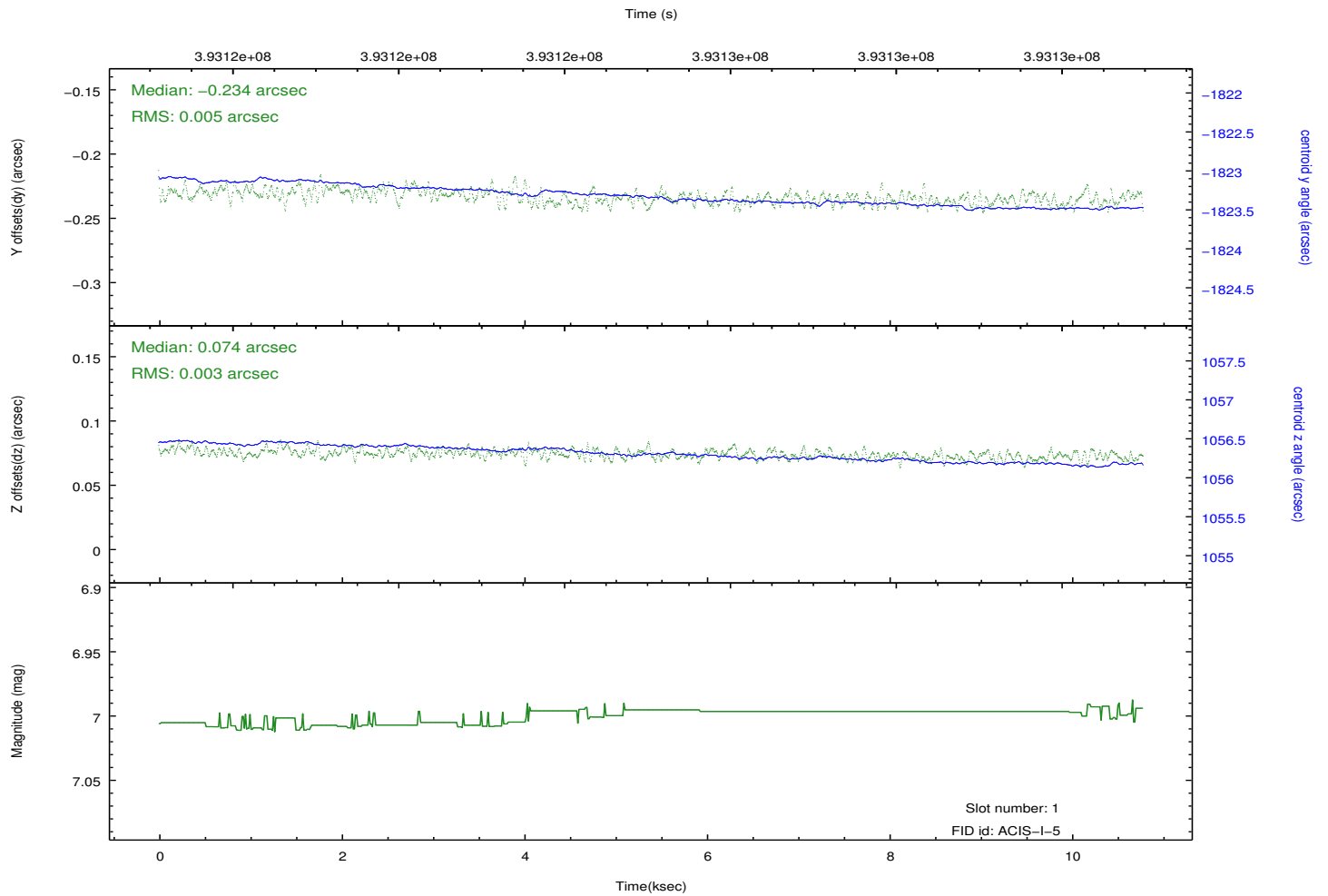
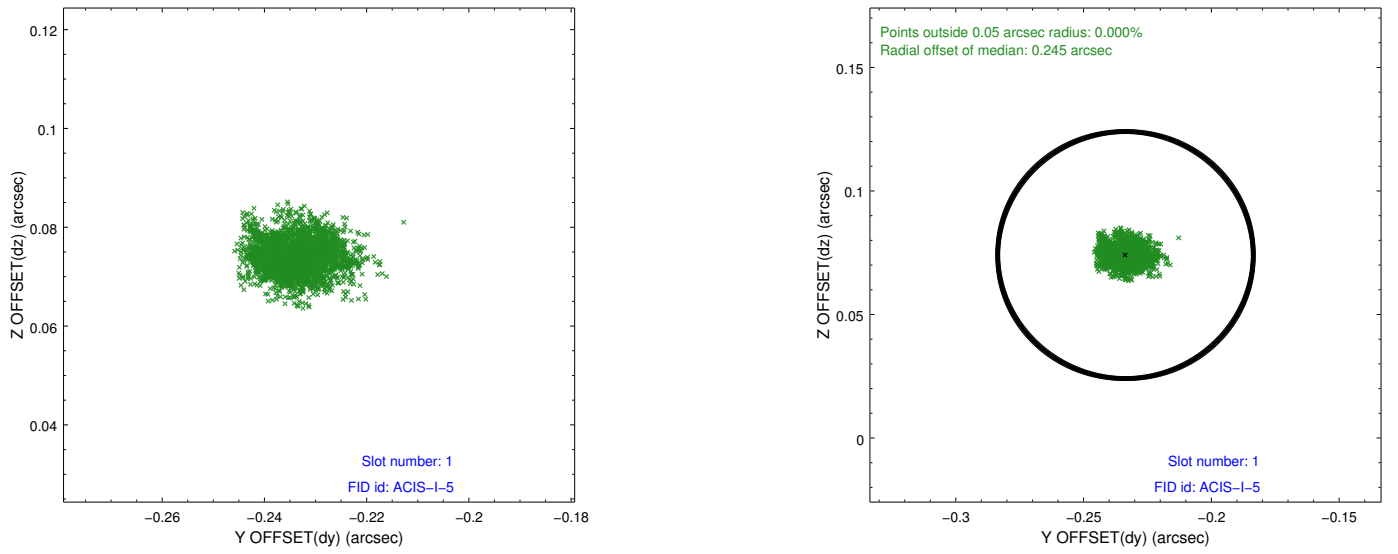


2.5 FID Slots

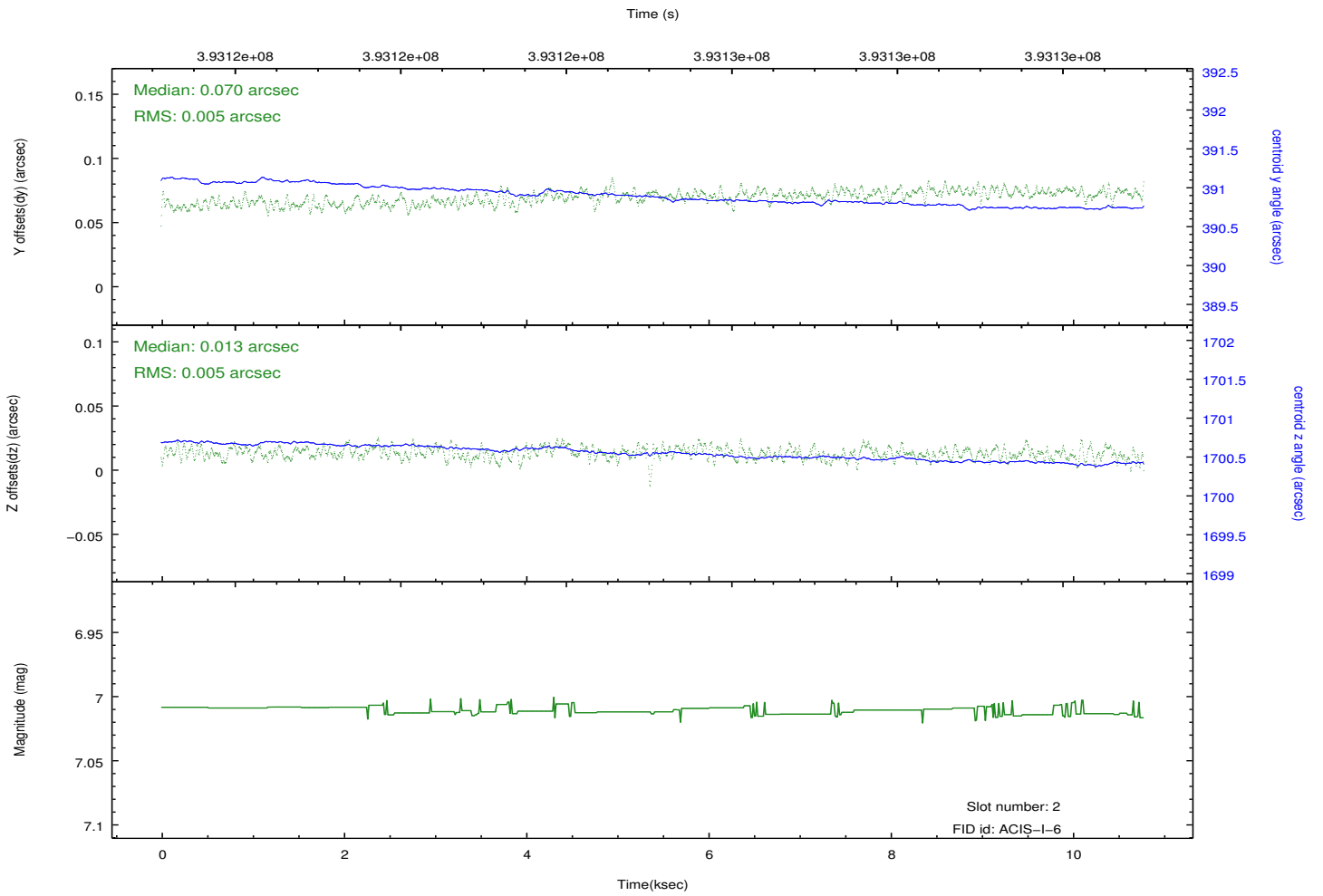
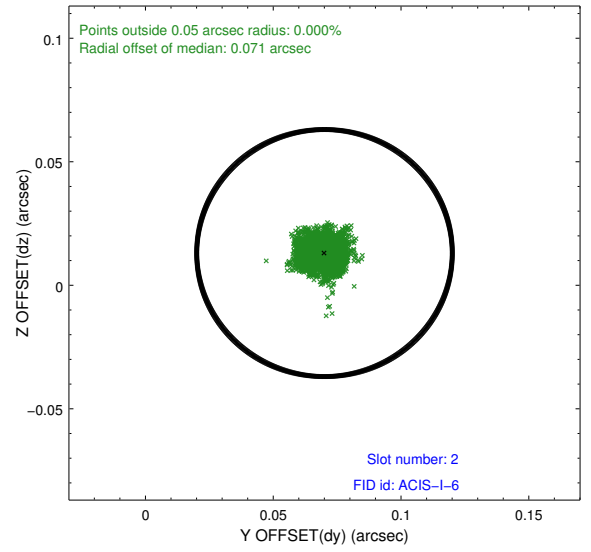
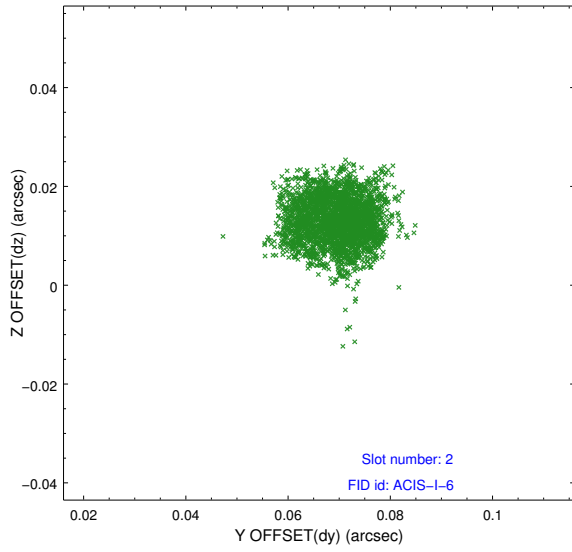
2.5.1 Slot 0



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)	2012.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.050478331327

A.2 Comments