

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3135 - L2 Version 3
Chandra X-Ray Center

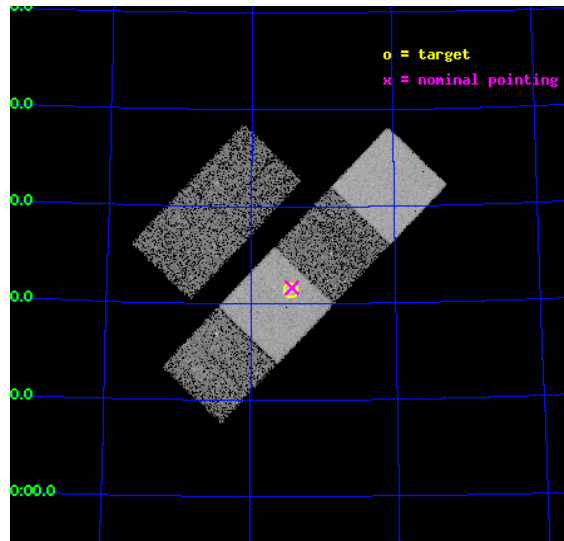
L2 Processing Date : Oct 17 2012

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1 Front

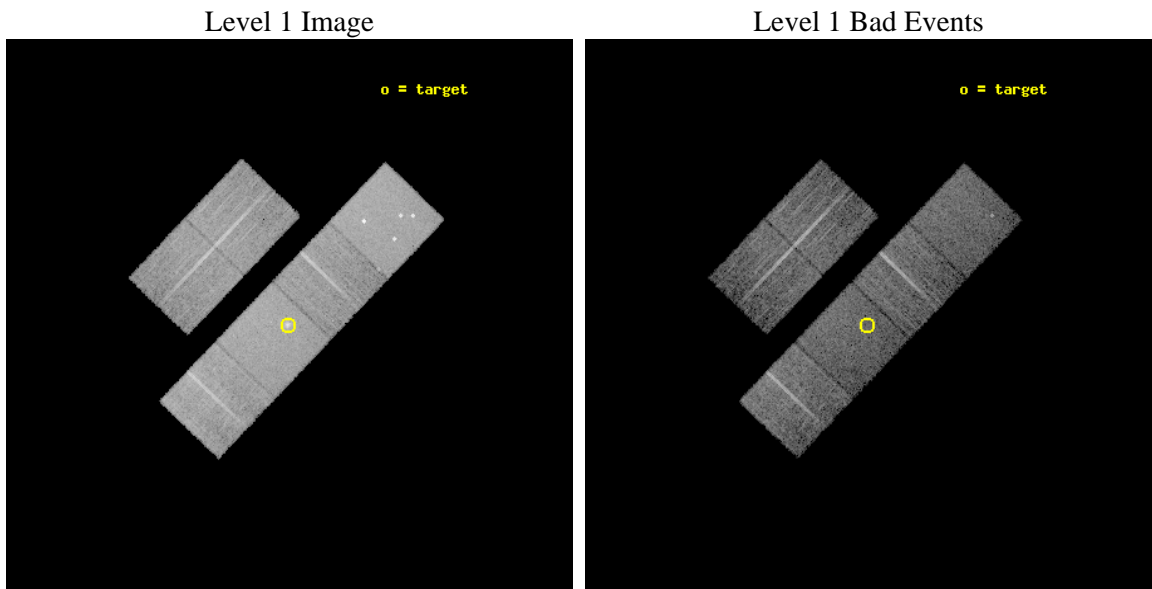
seq_num	700574	Sequence number
obs_id	3135	Observation id
title	SEARCH FOR AN INTERMEDIATE MASS BLACK HOLE IN THE STARBURST GALAXY NGC2146	Proposal title
observer	Dr Hironori Matsumoto	Principal investigator
object	NGC2146	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	94.655417	Observer's specified target RA [deg]
dec_targ	78.356556	Observer's specified target Dec [deg]
ra_nom	94.647540220826	Nominal RA [deg]
dec_nom	78.360589112362	Nominal Dec [deg]
roll_nom	133.70684834642	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10147.199962199	Sum of GTIs [s]
livetime	10018.710006367	Livetime [s]
ontime2	10147.199962199	Sum of GTIs [s]
ontime3	10147.199962199	Sum of GTIs [s]
ontime5	10147.199962199	Sum of GTIs [s]
ontime6	10147.199962199	Sum of GTIs [s]
ontime7	10147.199962199	Sum of GTIs [s]
ontime8	10147.199962199	Sum of GTIs [s]
l2events	103351	Number of level 2 events



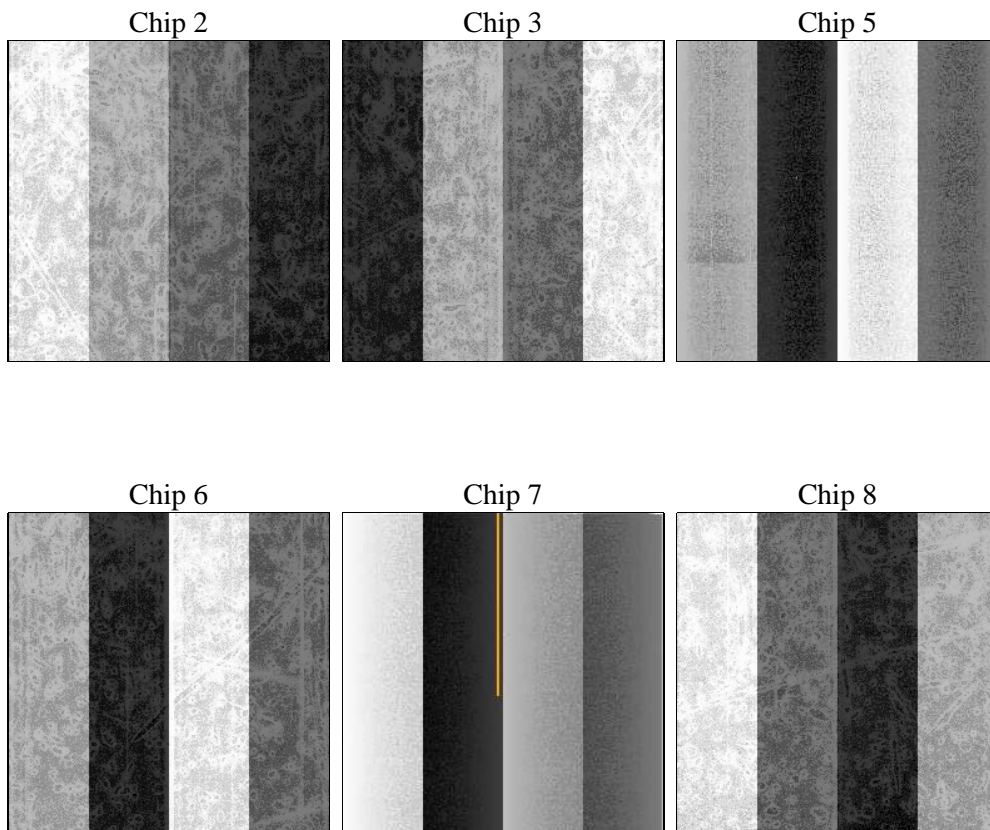
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10147.199962199	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	10147.199962199	Sum of GTIs [s]
date	2012-10-17T12:02:43	Date and time of file creation	ontime3	10147.199962199	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	10147.199962199	Sum of GTIs [s]
			ontime6	10147.199962199	Sum of GTIs [s]
			ontime7	10147.199962199	Sum of GTIs [s]
			ontime8	10147.199962199	Sum of GTIs [s]
			l1events	466808	Number of level 1 events

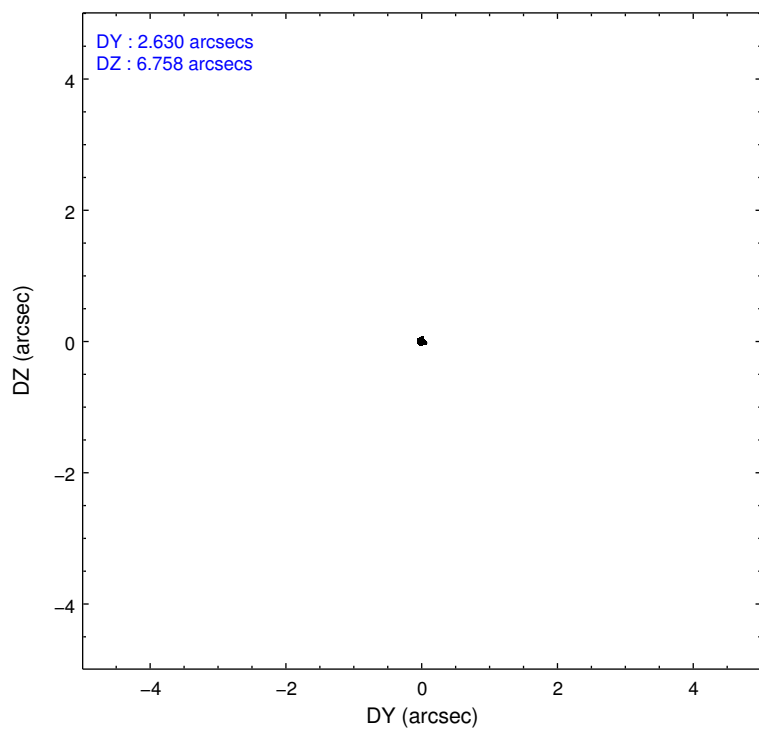
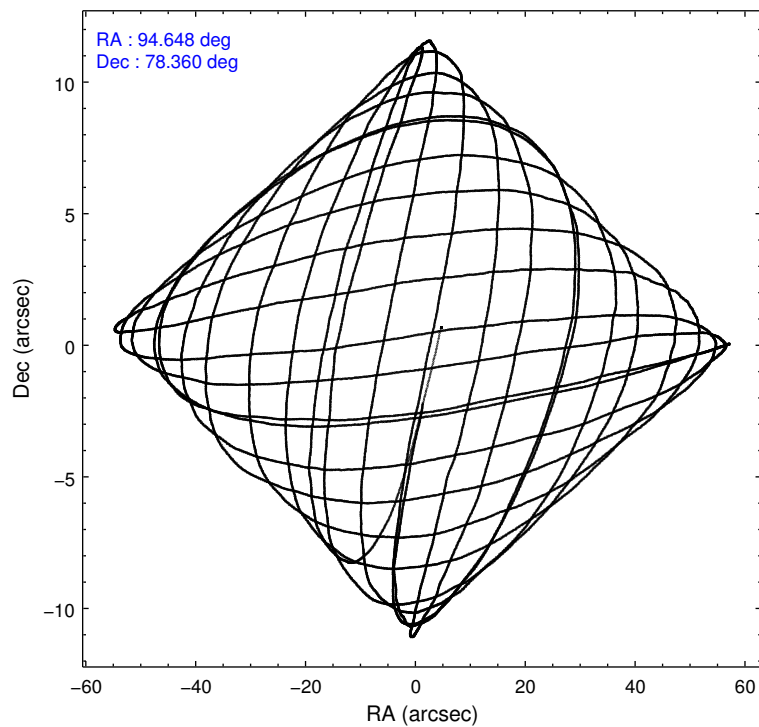
2.1.4 Events

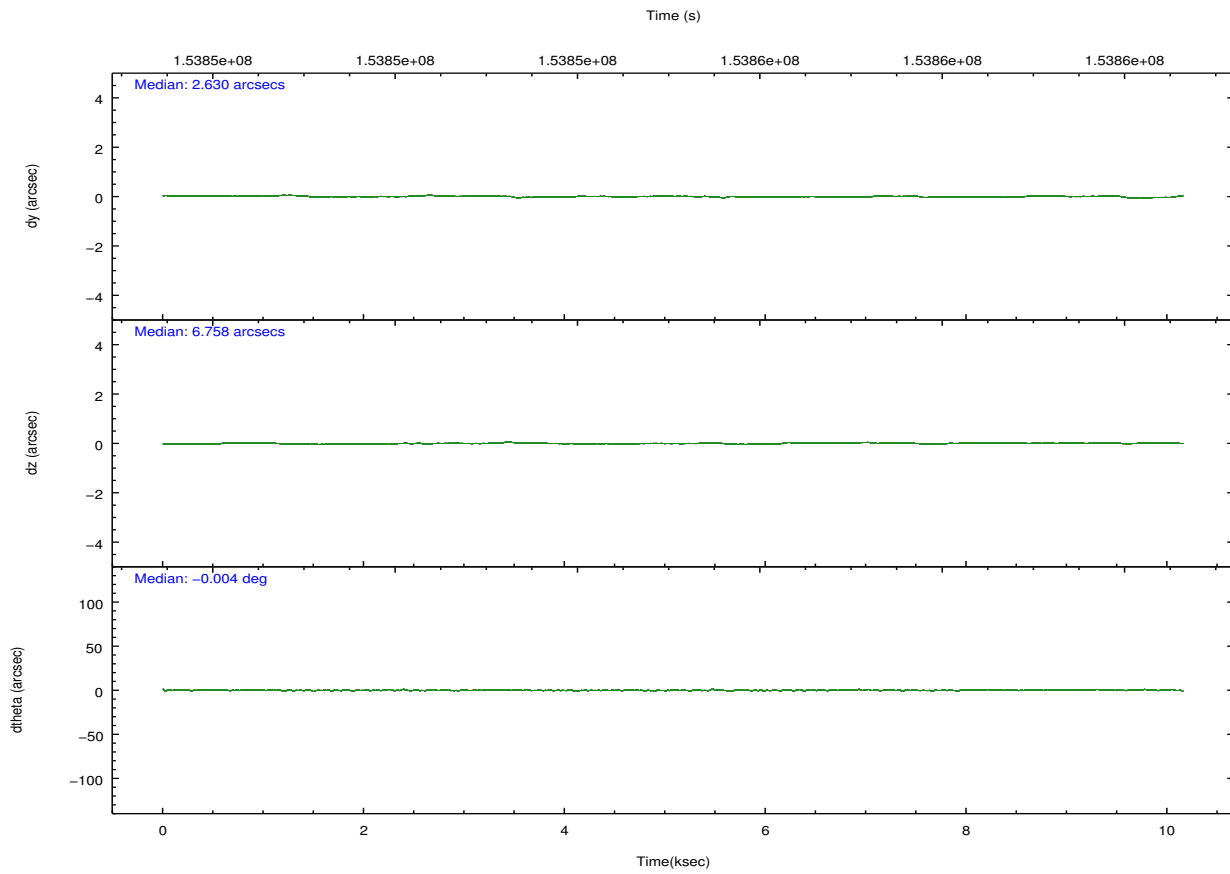
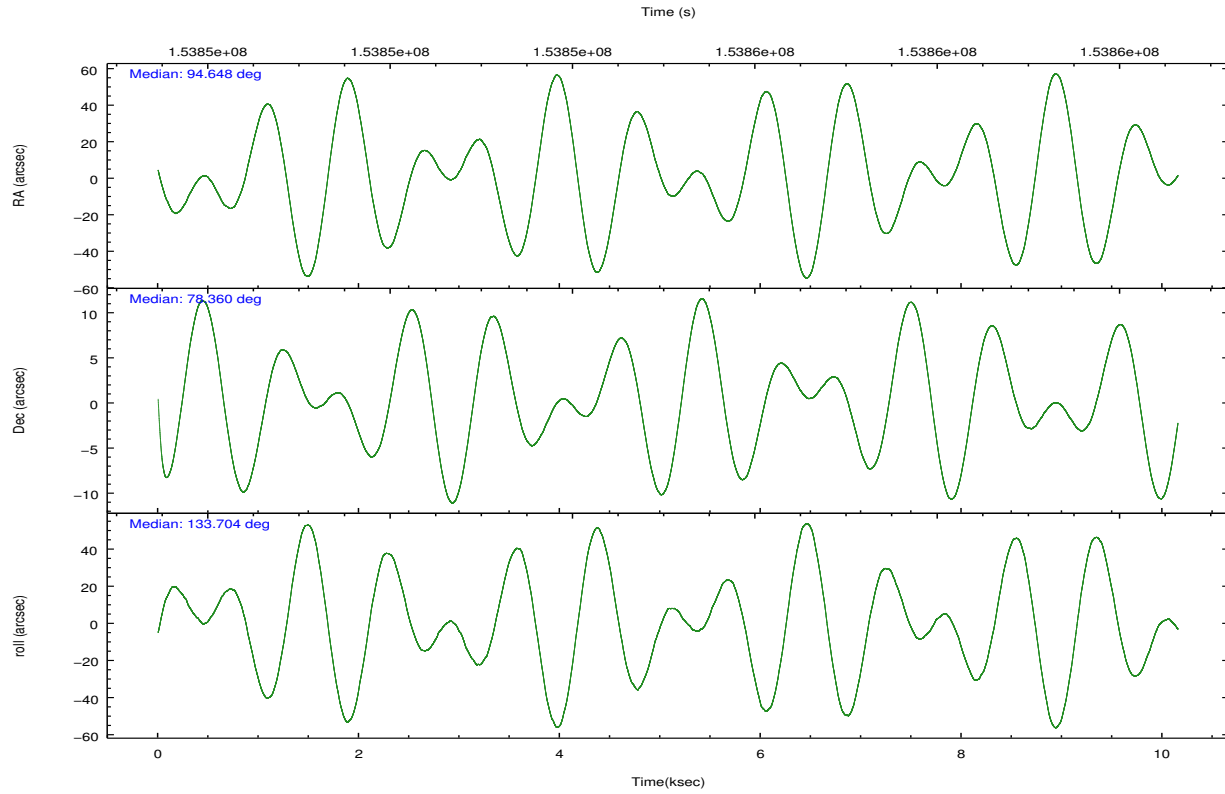
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	68074	62557	98347	66401	87433	83996	grade 0 events	3164	3216	8233	3023	3963	5430
rejected events	60754	55304	51356	58911	49873	66872		4%	5%	8%	4%	4%	6%
rejected %	89%	88%	52%	88%	57%	79%	grade 1 events	31	40	136	22	78	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	1524	1343	12996	1487	7427	3700
								2%	2%	13%	2%	8%	4%
							grade 3 events	698	712	1633	713	3502	1768
								1%	1%	1%	1%	4%	2%
							grade 4 events	717	757	1668	738	3471	1681
								1%	1%	1%	1%	3%	2%
							grade 5 events	2540	2803	6800	2883	8229	3699
								3%	4%	6%	4%	9%	4%
							grade 6 events	1219	1227	22480	1530	19217	4549
								1%	1%	22%	2%	21%	5%
							grade 7 events	58181	52459	44401	56005	41546	63134
								85%	83%	45%	84%	47%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	94.777670	94.64754022082568	Subarray requested	NONE	NONE
[deg] Pointing Dec	78.353299	78.36058911236238	Alternating exposures requested	N	N
[deg] Pointing Roll	133.422765	133.7068483464225	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	153850129.184000	153849059.5914			
Observation start date	2002-11-16T16:07:45	2002-11-16T15:50:59			
[s] Observation end time (MET)	153860129.184000	153860935.75439			
Observation end date	2002-11-16T18:54:25	2002-11-16T19:08:55			
Read mode	TIMED	TIMED			

2.3 Aspect



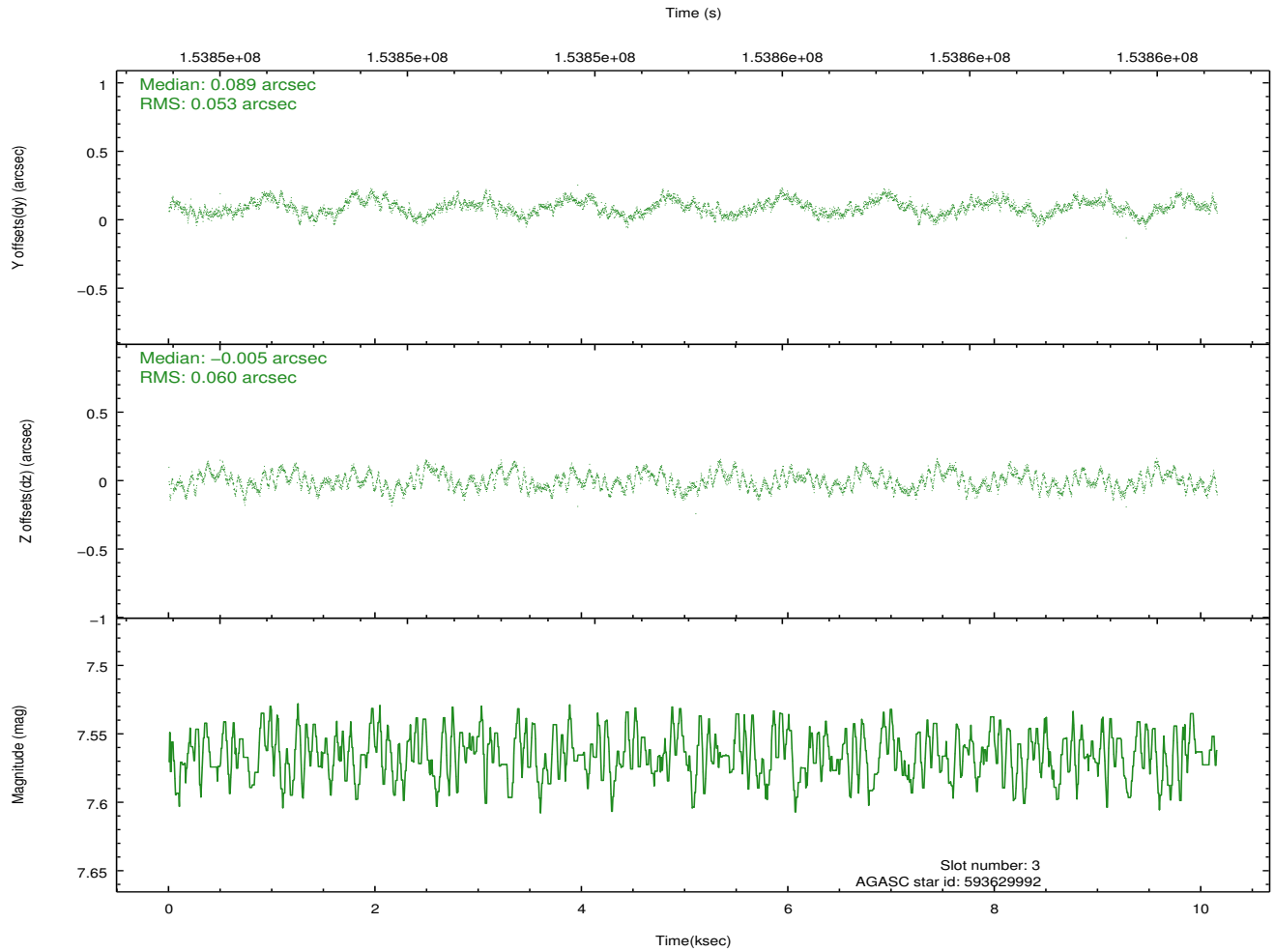
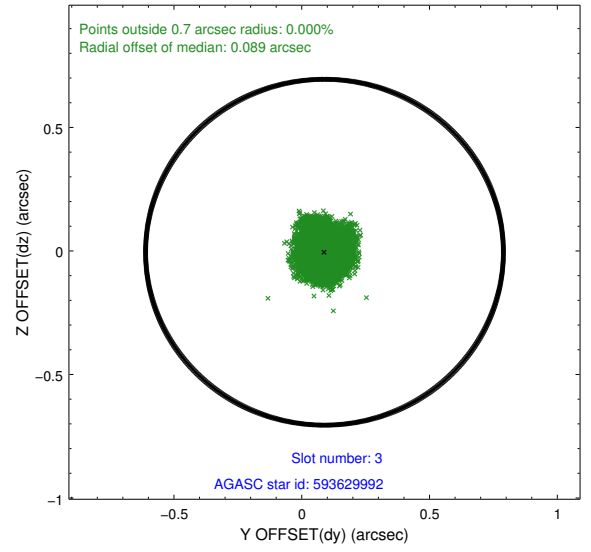
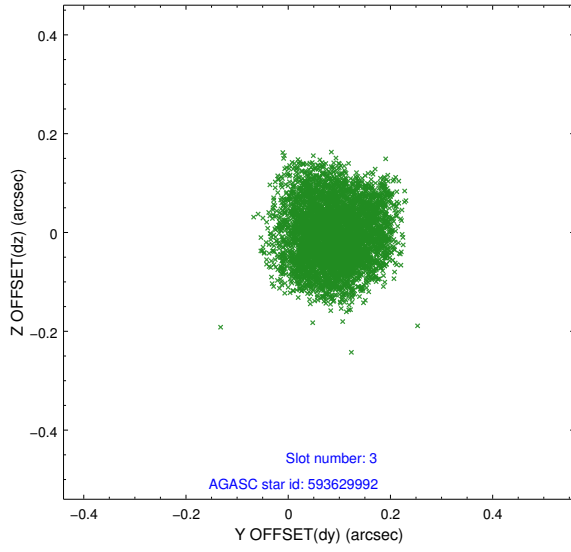


Slot Statistics

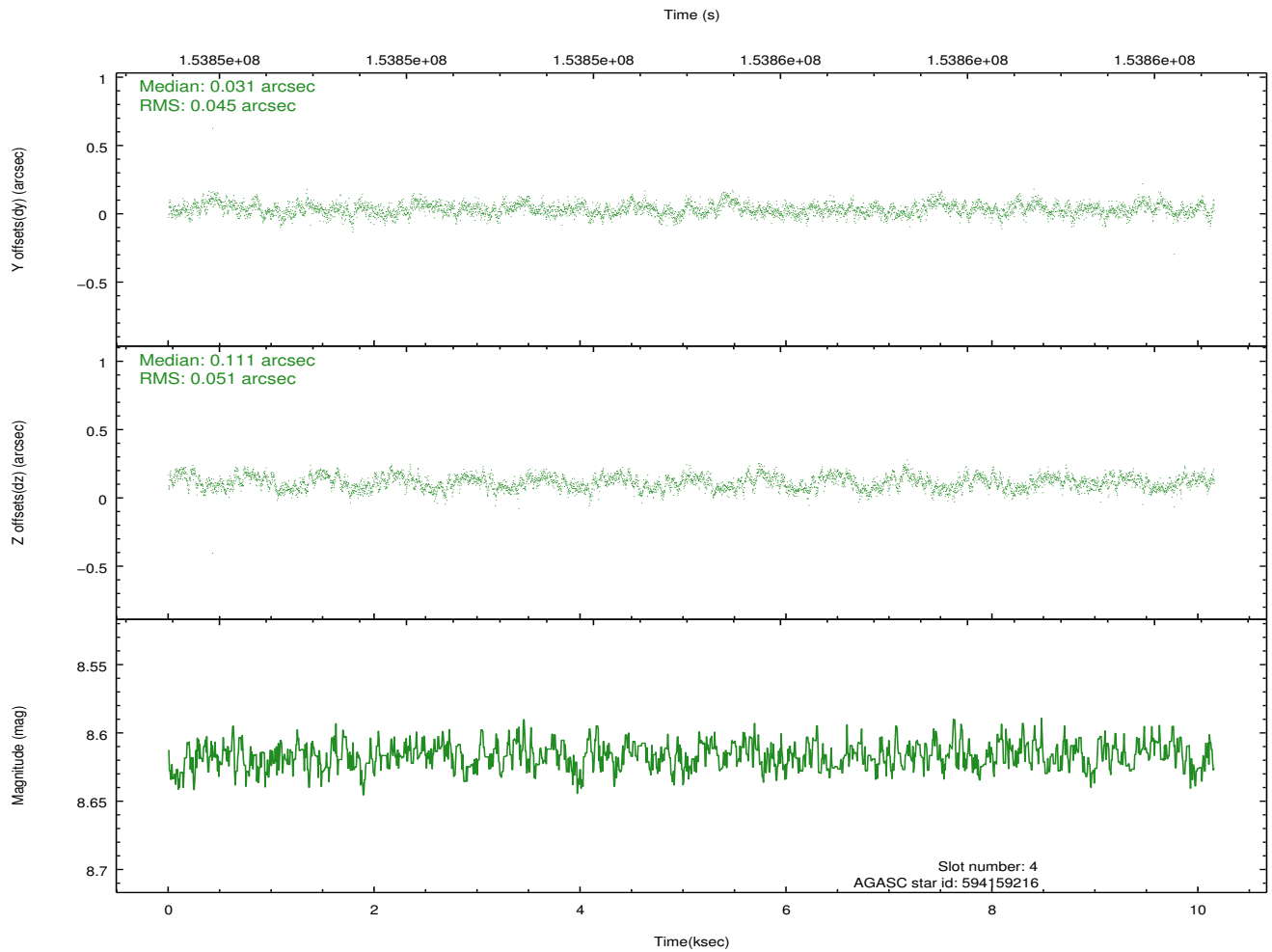
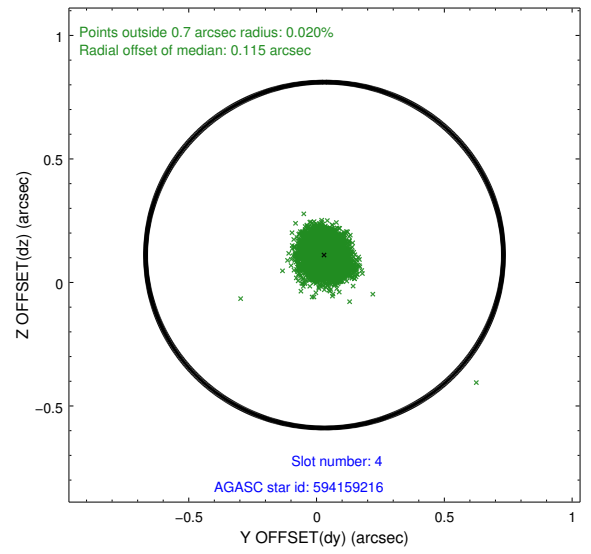
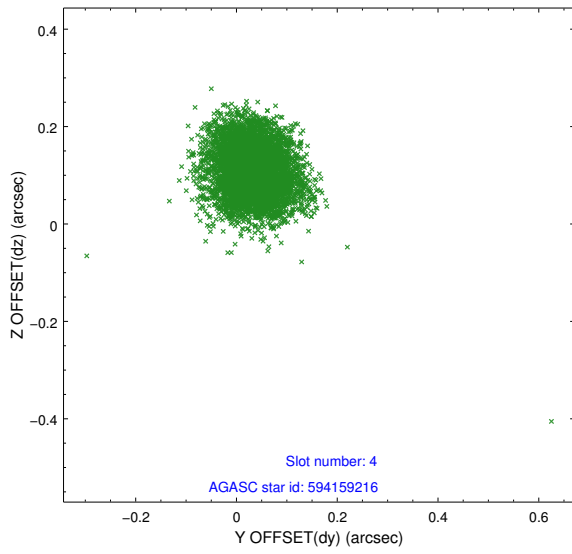
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2476	-0.030	0.005	0.007	0.011	0.000000	0.000000	-755.28	-1727.92
1	FID	ACIS-S-4	7.20	2476	-0.006	0.013	0.005	0.009	0.000000	0.000000	2157.77	180.06
2	FID	ACIS-S-5	7.24	2478	0.005	-0.009	0.006	0.010	0.000000	0.000000	-1807.43	174.27
3	GUIDE	593629992	7.57	4955	0.089	-0.005	0.089	0.131	98.350838	78.168477	-2235.51	-1512.91
4	GUIDE	594159216	8.62	4954	0.031	0.111	0.072	0.113	93.921009	78.896665	1832.52	-916.68
5	GUIDE	593625200	9.49	4950	-0.116	-0.079	0.083	0.135	91.931681	78.701164	2325.50	562.51
6	GUIDE	593628560	8.24	4889	-0.082	-0.198	0.081	0.124	92.260818	78.027017	469.01	2144.03
7	GUIDE	593630824	7.84	4949	0.079	0.168	0.060	0.093	97.139560	77.959365	-2221.79	-337.60

2.4 Star Slots

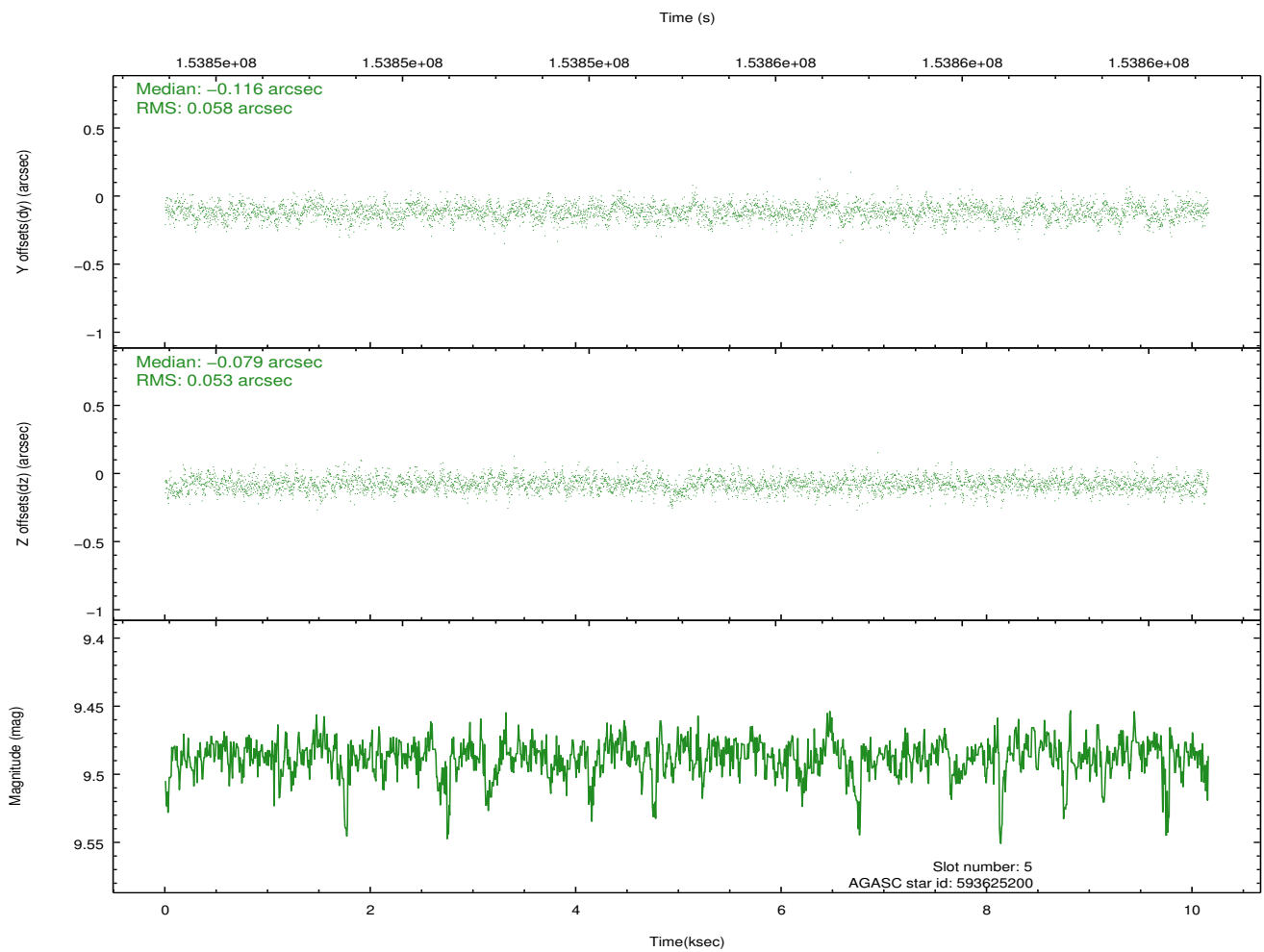
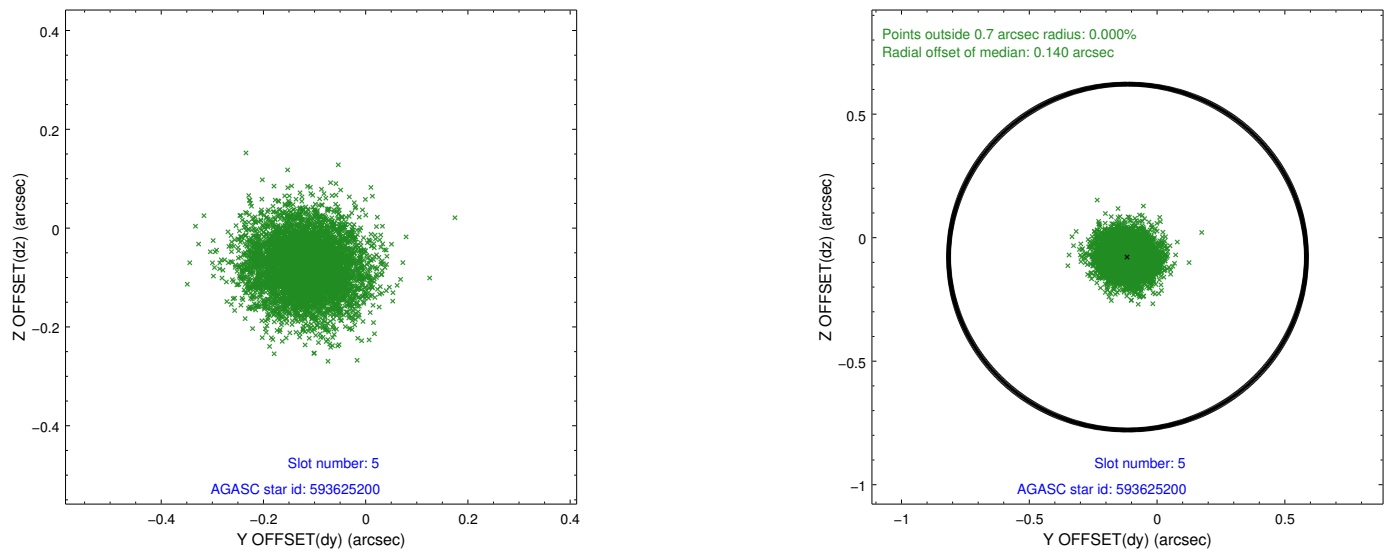
2.4.1 Slot 3



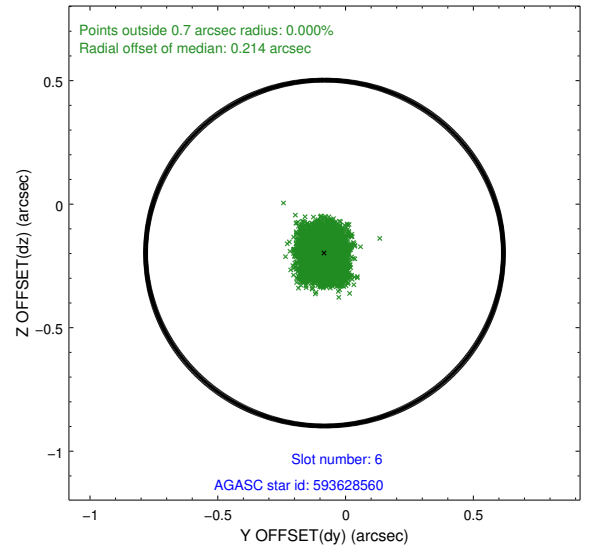
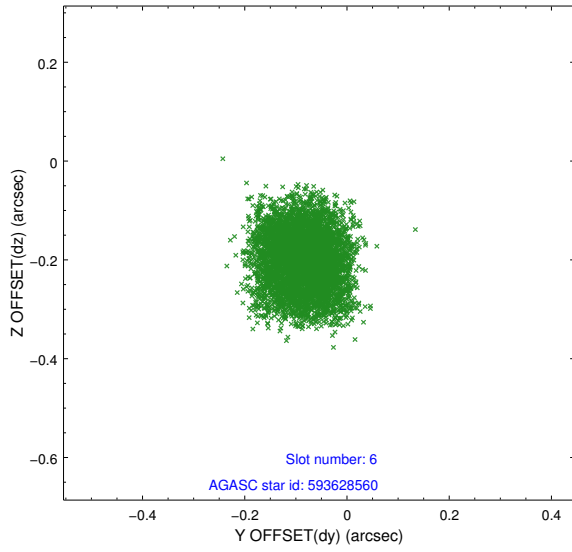
2.4.2 Slot 4



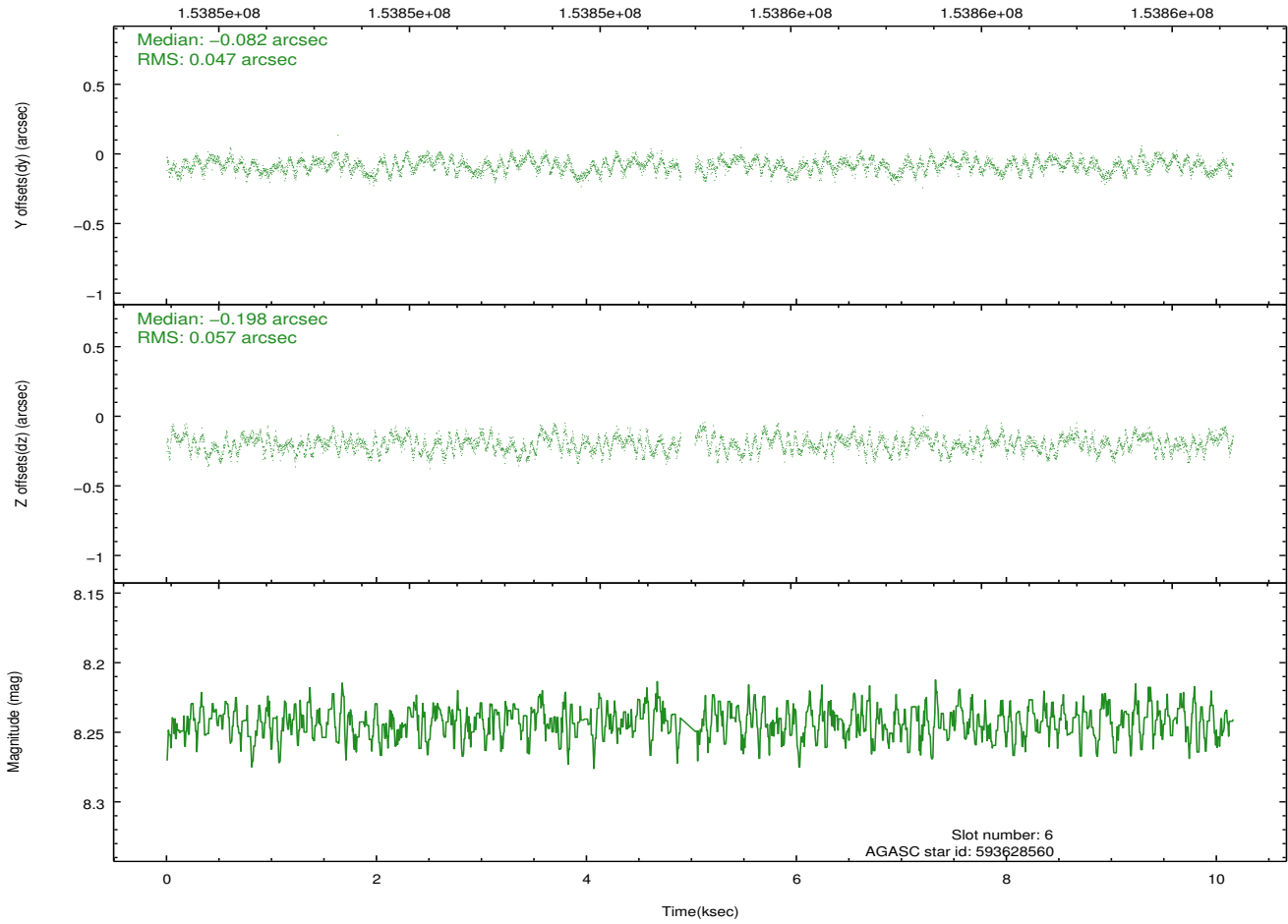
2.4.3 Slot 5



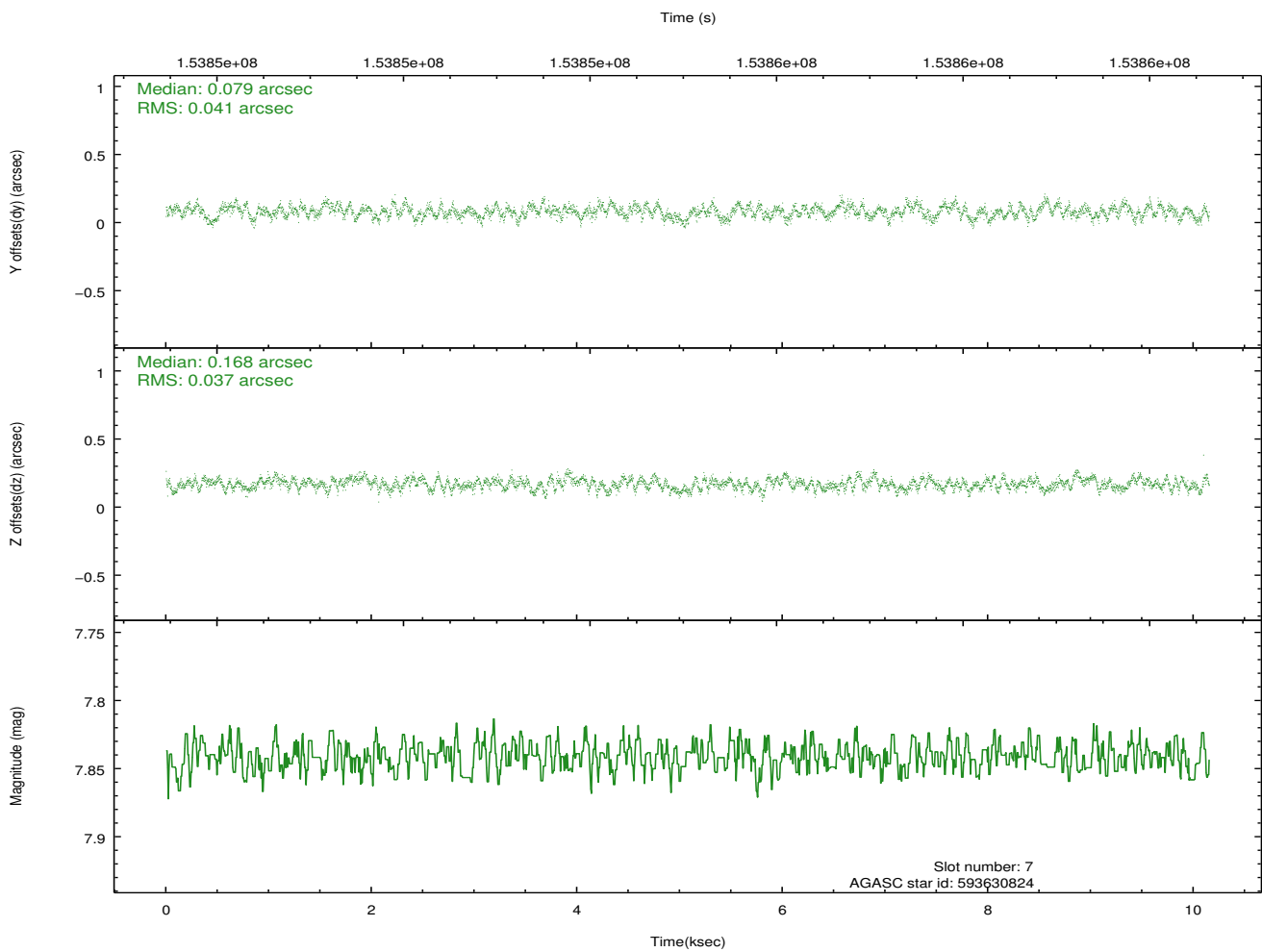
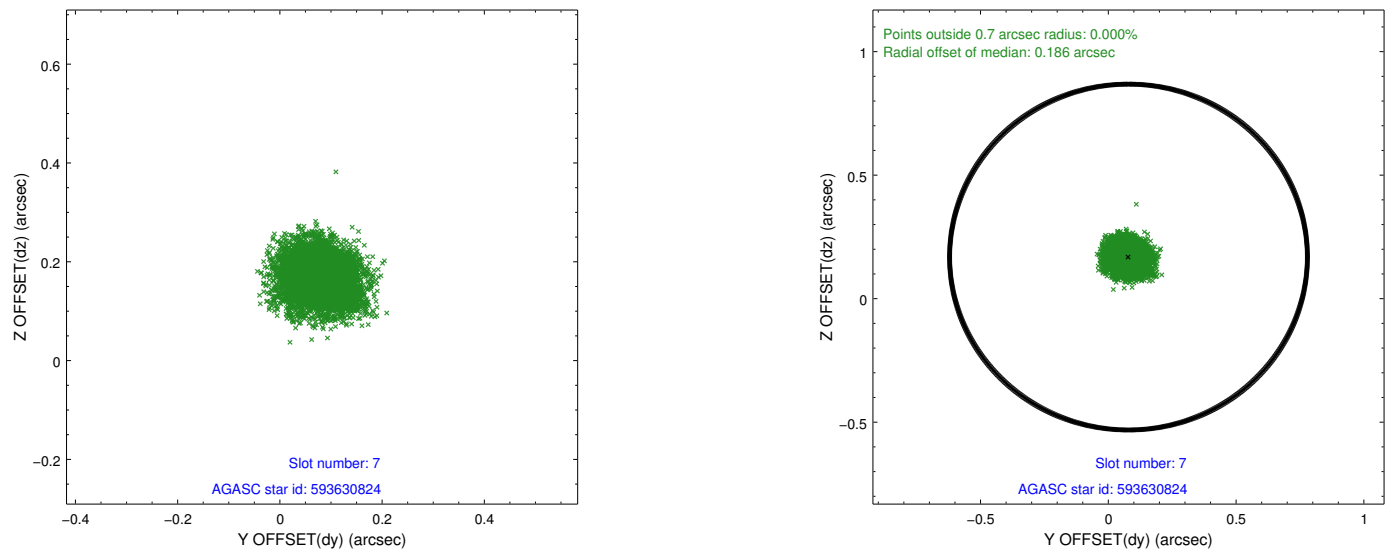
2.4.4 Slot 6



Time (s)

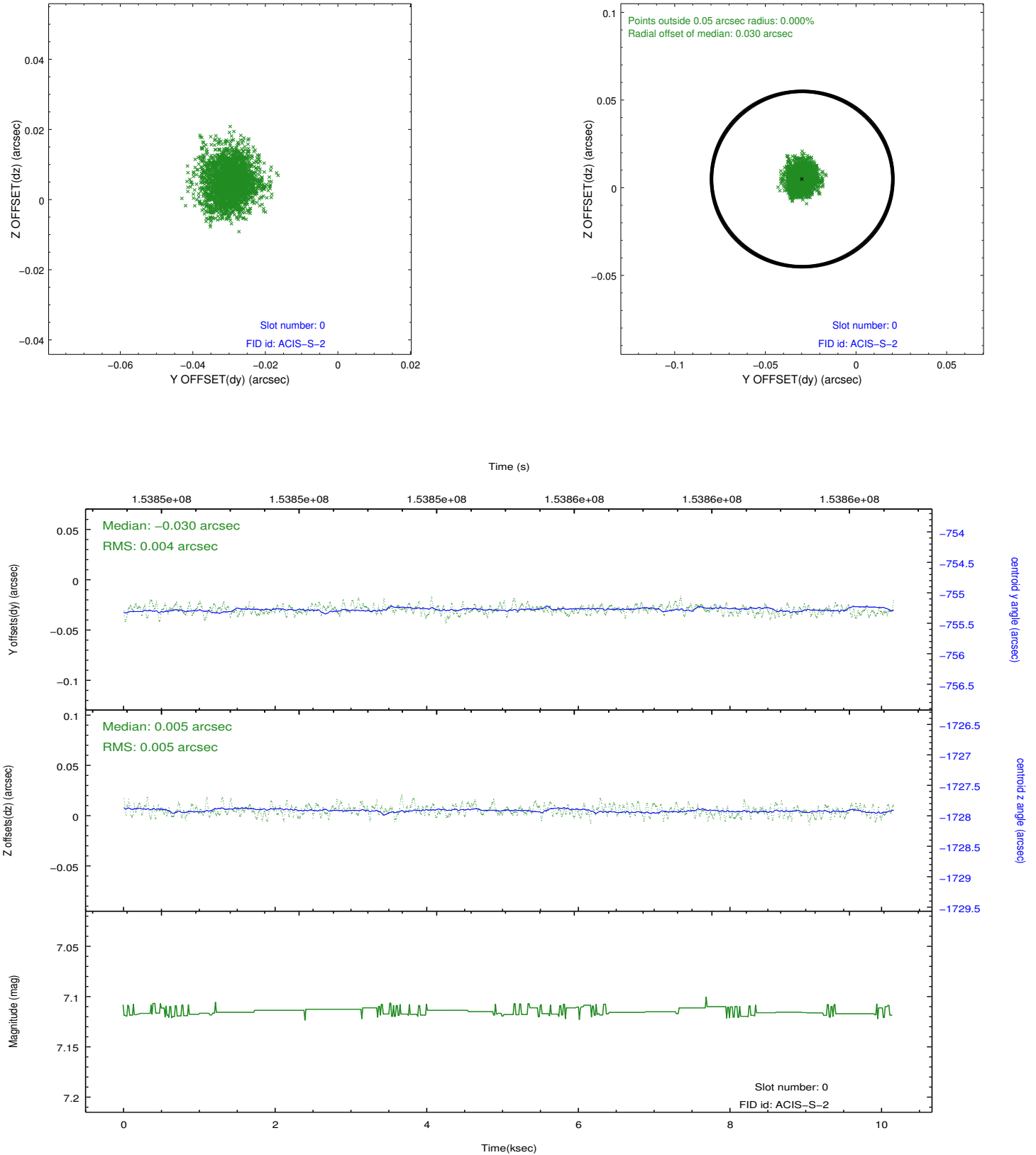


2.4.5 Slot 7

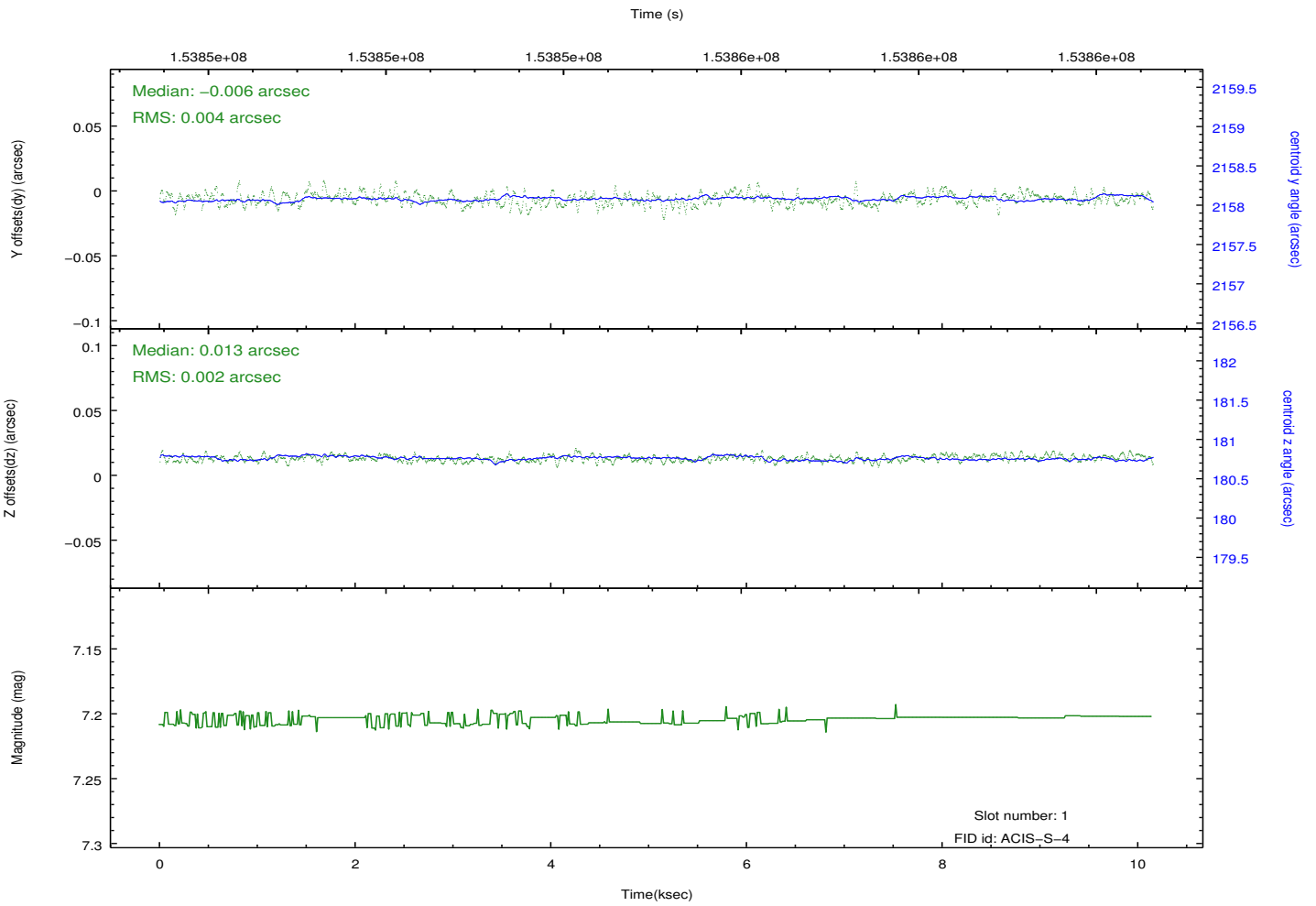
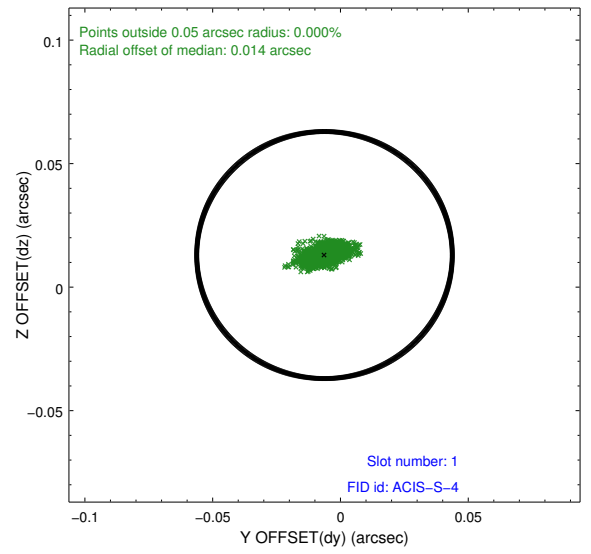
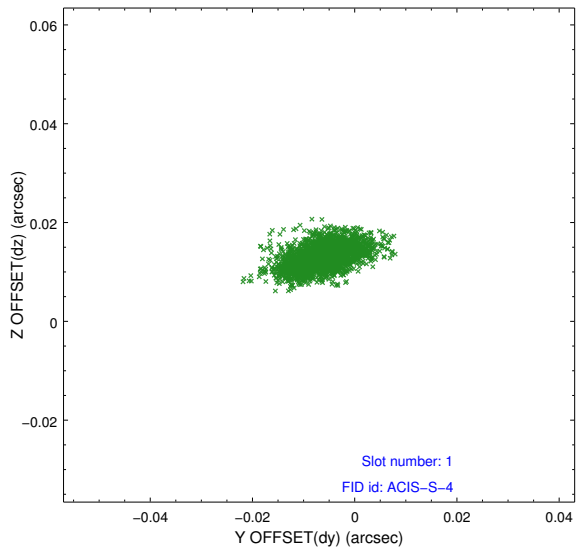


2.5 FID Slots

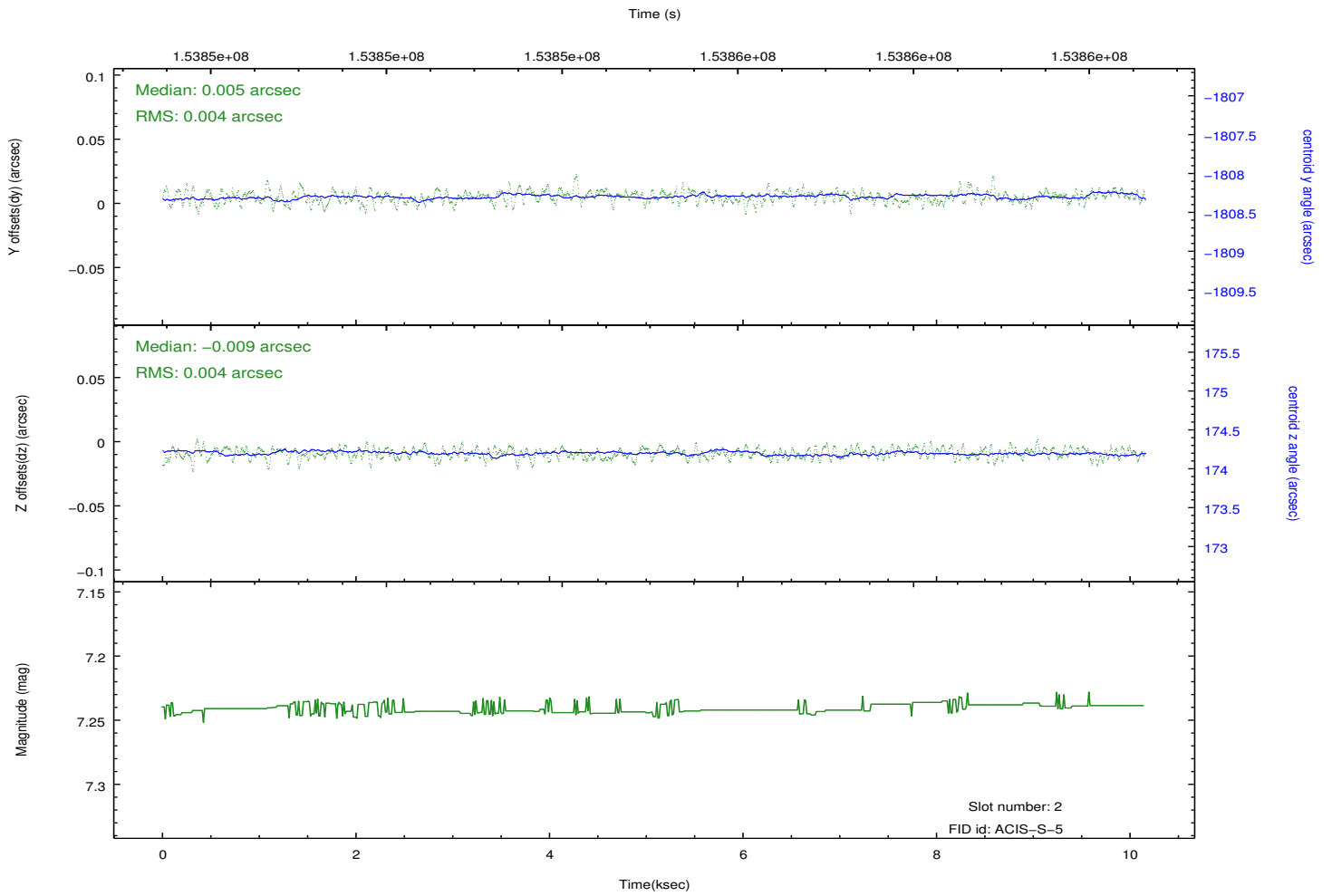
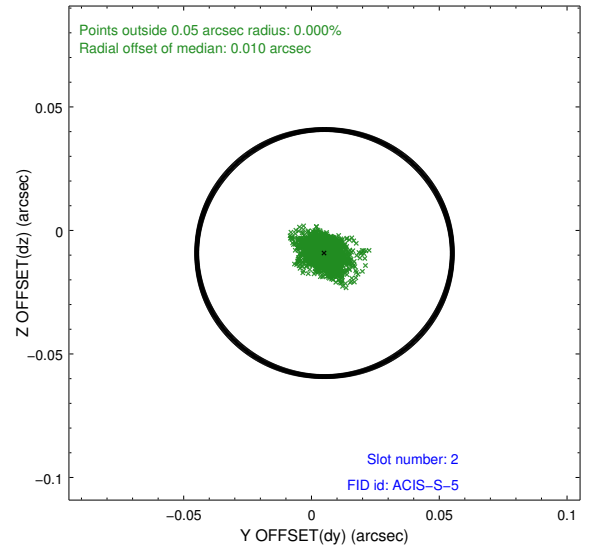
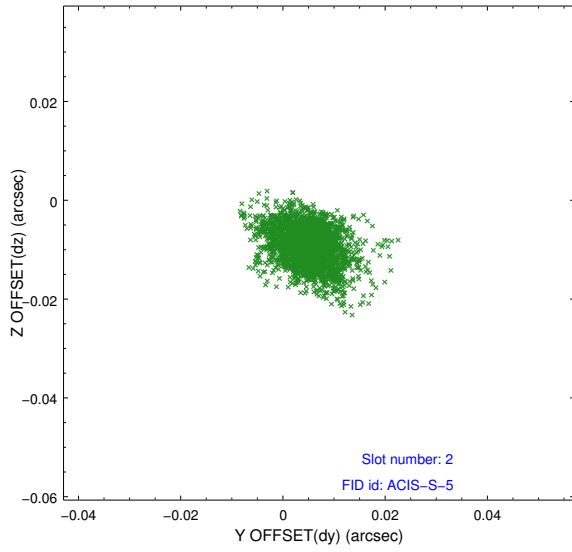
2.5.1 Slot 0



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)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.15

A.2 Comments

Monitor constraint met.