

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4205 - L2 Version 3
Chandra X-Ray Center

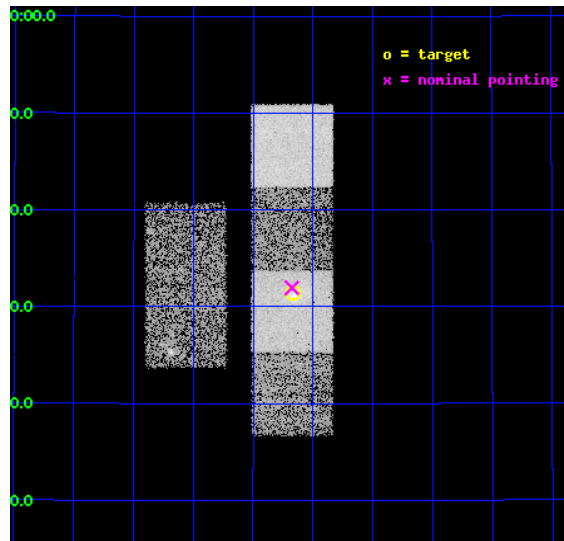
L2 Processing Date : Oct 19 2012

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1 Front

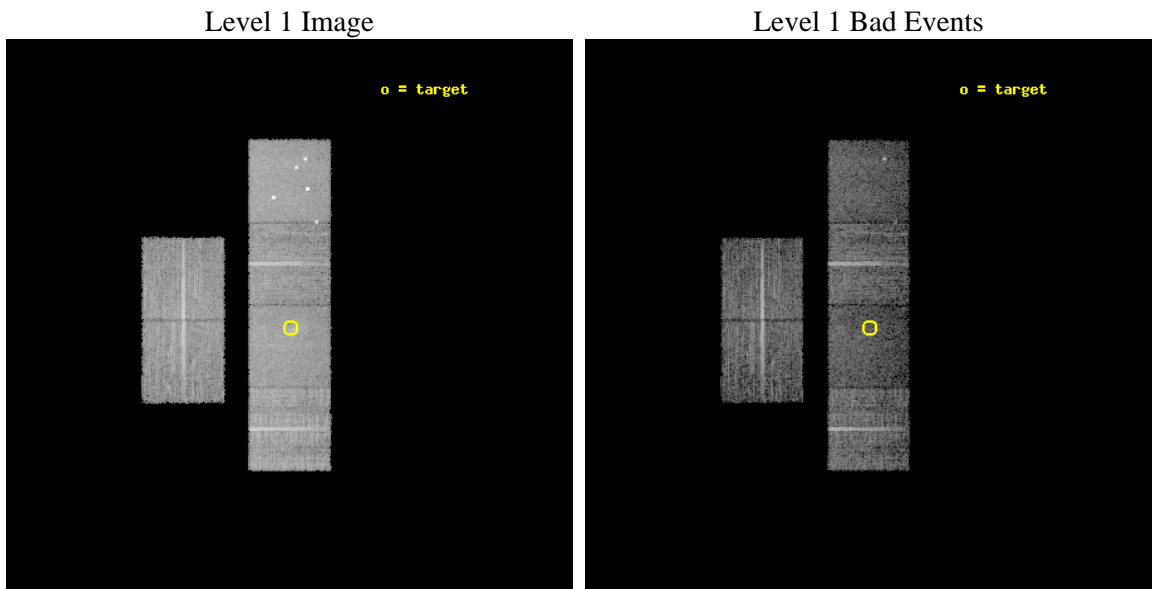
seq_num	800361	Sequence number
obs_id	4205	Observation id
title	THE NATURE OF LOW SURFACE BRIGHTNESS X-RAY CLUSTERS OF GALAXIES	Pr
observer	Dr. DAVID BUOTE	Principal investigator
object	1492	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.917083	Observer's specified target RA [deg]
dec_targ	33.523139	Observer's specified target Dec [deg]
ra_nom	132.91910549727	Nominal RA [deg]
dec_nom	33.532623985507	Nominal Dec [deg]
roll_nom	89.969429276277	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11571.091854423	Sum of GTIs [s]
livetime	11424.571722088	Livetime [s]
ontime2	11571.132894427	Sum of GTIs [s]
ontime3	11570.968734413	Sum of GTIs [s]
ontime5	11571.05081442	Sum of GTIs [s]
ontime6	11571.009774417	Sum of GTIs [s]
ontime7	11571.091854423	Sum of GTIs [s]
ontime8	11570.92769444	Sum of GTIs [s]
l2events	86429	Number of level 2 events



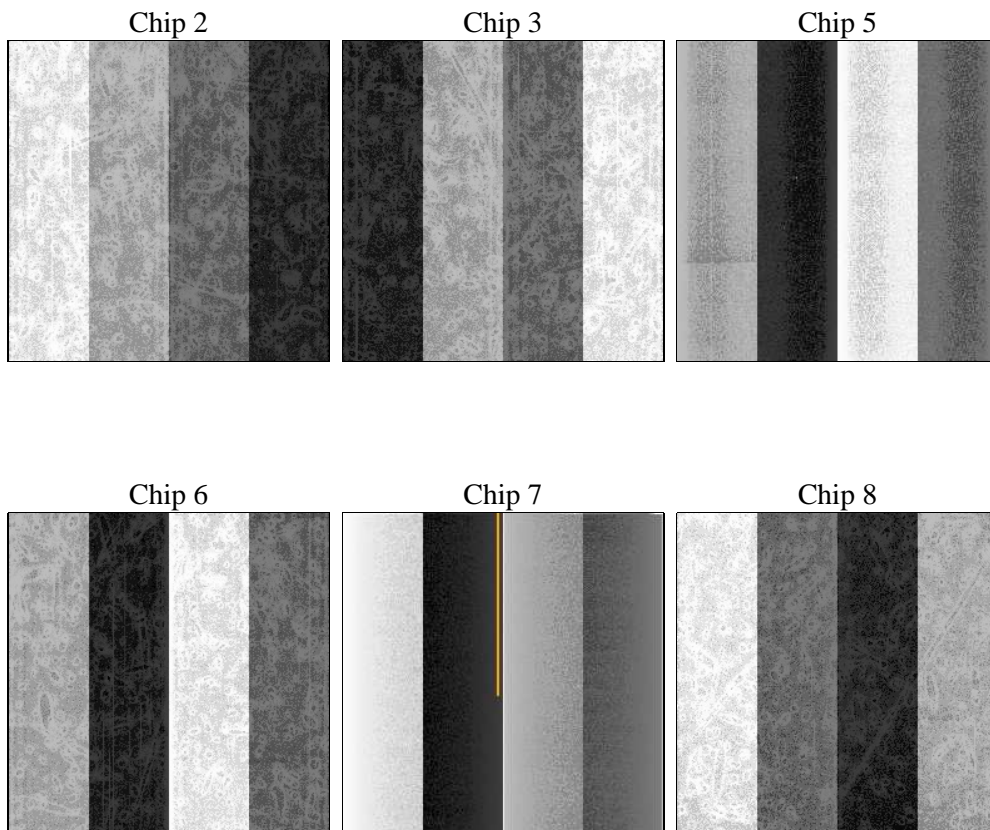
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11611.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11571.091854423	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	11571.132894427	Sum of GTIs [s]
date	2012-10-19T05:23:09	Date and time of file creation	ontime3	11570.968734413	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	11571.05081442	Sum of GTIs [s]
			ontime6	11571.009774417	Sum of GTIs [s]
			ontime7	11571.091854423	Sum of GTIs [s]
			ontime8	11570.92769444	Sum of GTIs [s]
			l1events	403697	Number of level 1 events

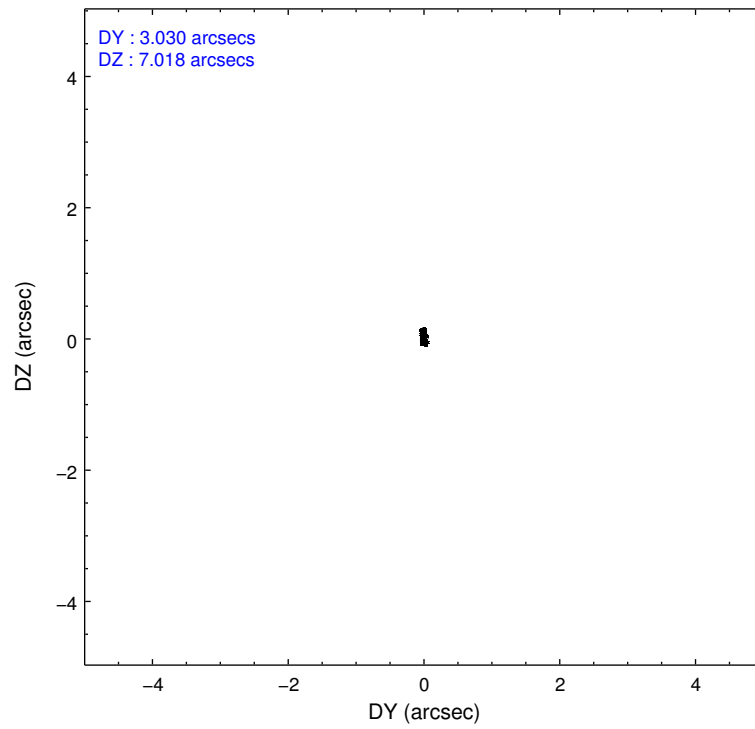
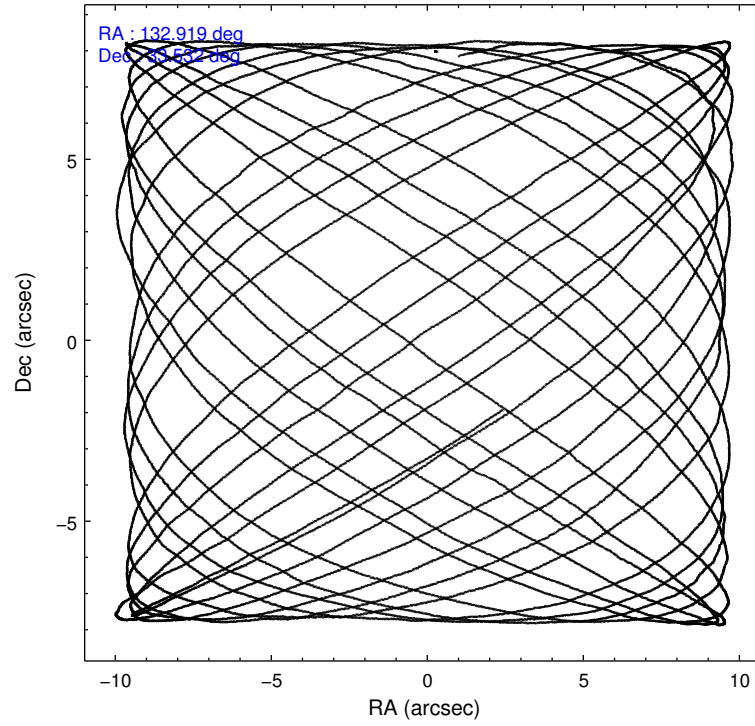
2.1.4 Events

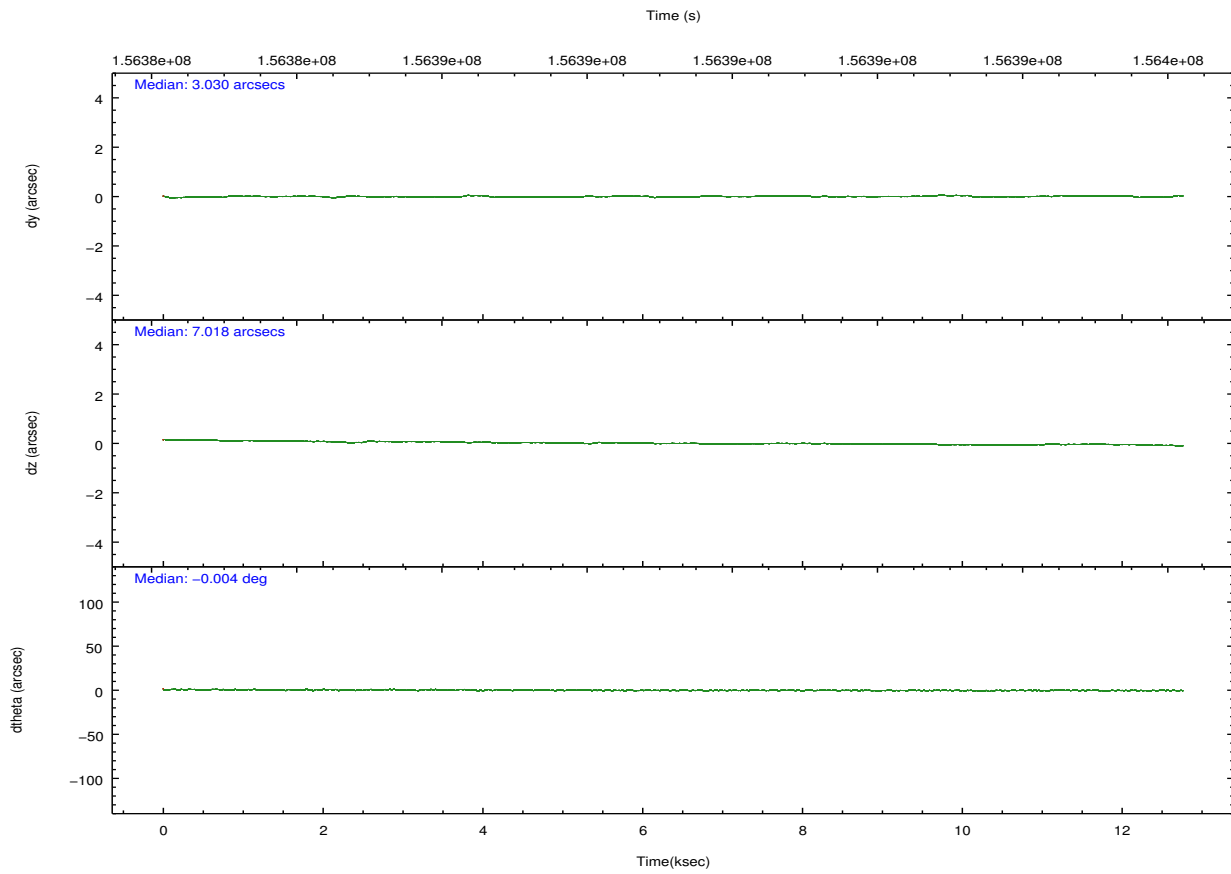
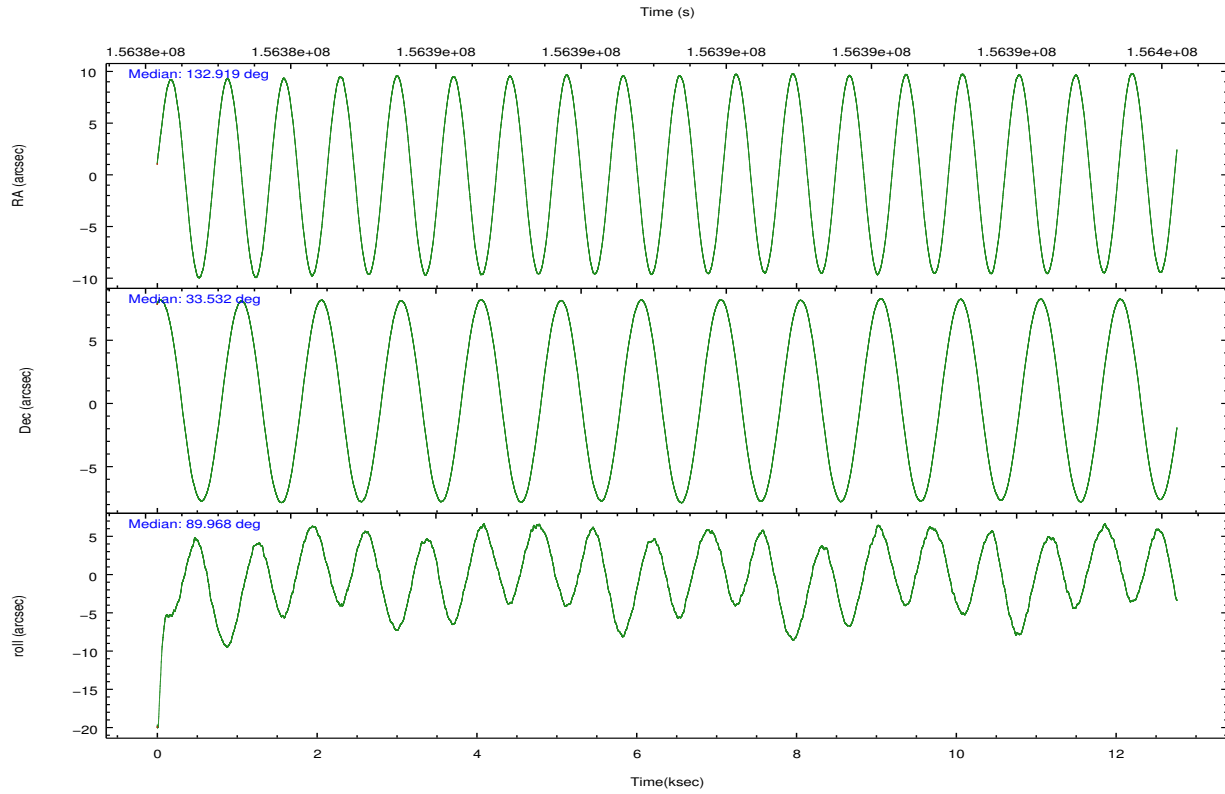
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	62141	57534	82360	59541	65840	76281	grade 0 events	1959	2063	8896	2273	3153	5757
rejected events	56384	51909	39010	53363	35149	57399		3%	3%	10%	3%	4%	7%
rejected %	90%	90%	47%	89%	53%	75%	grade 1 events	19	21	143	25	50	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	1321	1172	11267	1281	6242	3740
								2%	2%	13%	2%	9%	4%
							grade 3 events	649	700	1714	678	2999	2389
								1%	1%	2%	1%	4%	3%
							grade 4 events	662	640	1760	705	2924	2142
								1%	1%	2%	1%	4%	2%
							grade 5 events	1897	2139	6365	2234	6681	3326
								3%	3%	7%	3%	10%	4%
							grade 6 events	1166	1052	19731	1243	15402	4868
								1%	1%	23%	2%	23%	6%
							grade 7 events	54468	49747	32484	51102	28389	54011
								87%	86%	39%	85%	43%	70%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	132.935819	132.9191054972735	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.509254	33.53262398550675	Alternating exposures requested	N	N
[deg] Pointing Roll	89.803576	89.9694292762766	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	156383951.184000	156382506.58449			
Observation start date	2002-12-15T23:58:07	2002-12-15T23:35:06			
[s] Observation end time (MET)	156395562.184000	156395850.54754			
Observation end date	2002-12-16T03:11:38	2002-12-16T03:17:30			
Read mode	TIMED	TIMED			

2.3 Aspect



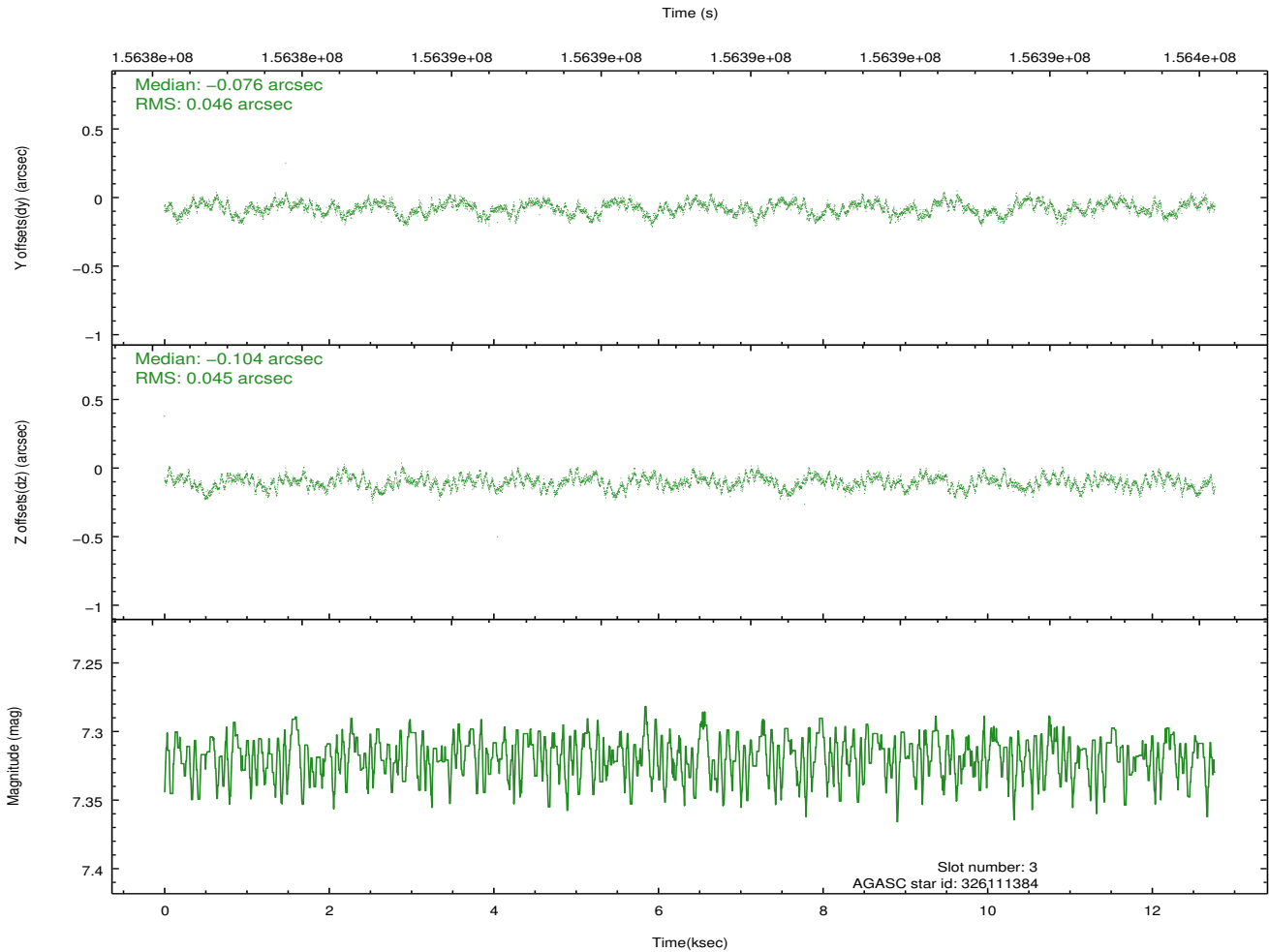
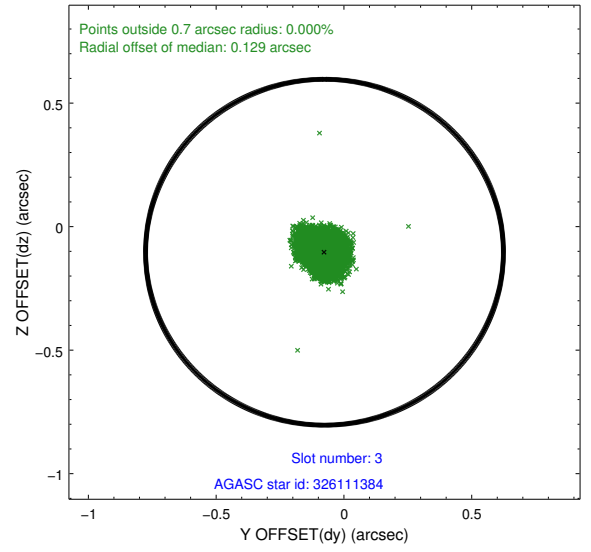
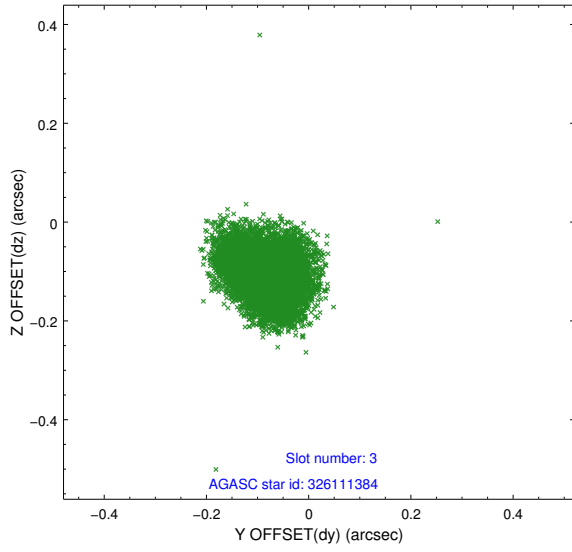


Slot Statistics

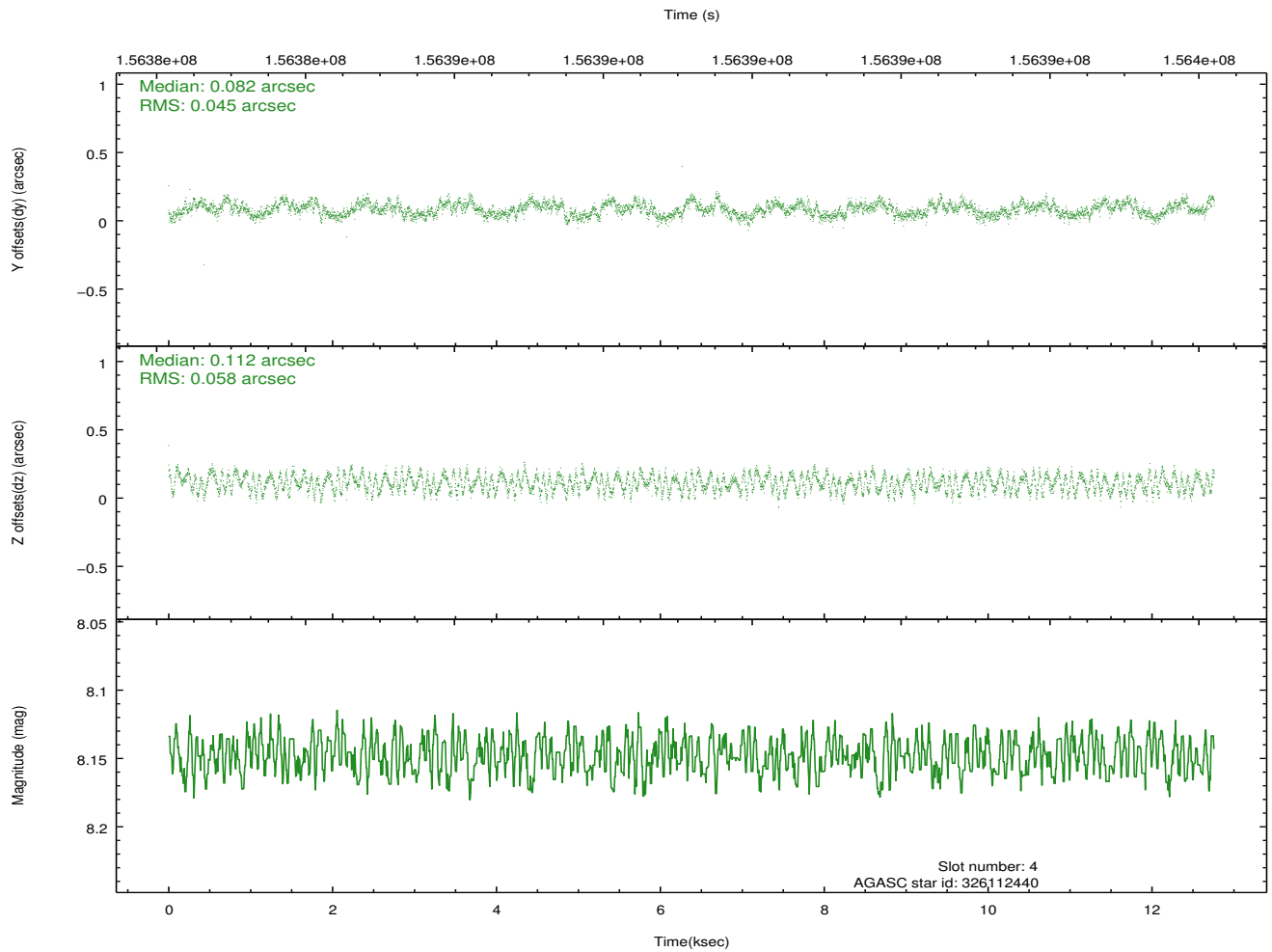
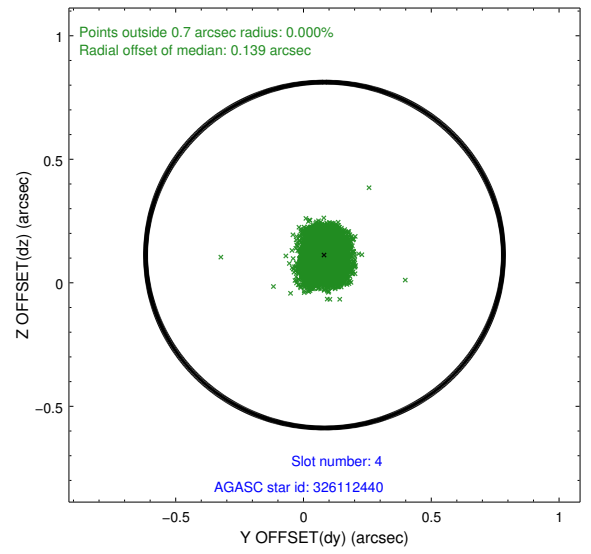
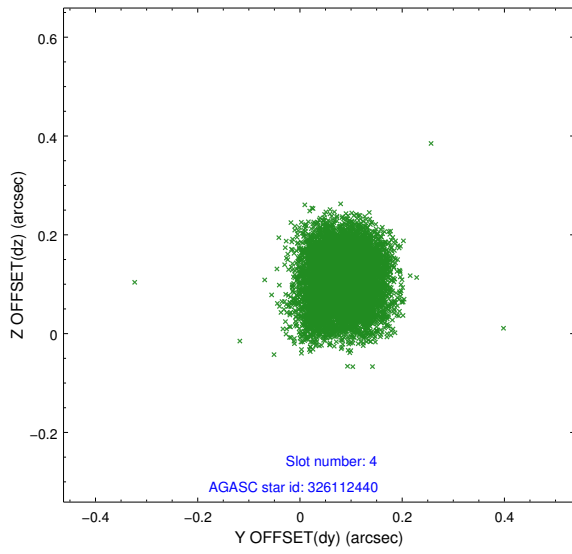
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	3114	-0.024	-0.004	0.006	0.011	0.000000	0.000000	-755.69	-1728.15
1	FID	ACIS-S-4	7.20	3114	0.007	0.013	0.006	0.011	0.000000	0.000000	2157.44	179.97
2	FID	ACIS-S-5	7.24	3114	-0.013	-0.000	0.006	0.011	0.000000	0.000000	-1808.04	174.04
3	GUIDE	326111384	7.32	6226	-0.076	-0.104	0.070	0.107	132.467098	33.720034	757.48	1406.04
4	GUIDE	326112440	8.15	6227	0.082	0.112	0.080	0.119	133.461686	33.056810	-1618.76	-1591.77
5	GUIDE	326119712	8.94	6225	0.146	-0.029	0.120	0.179	132.831789	33.224884	-1024.32	309.42
6	GUIDE	326119984	9.41	6216	-0.061	0.147	0.088	0.142	133.071124	34.102725	2138.37	-395.80
7	GUIDE	326115136	8.91	6221	-0.086	-0.123	0.071	0.116	132.826117	34.154560	2322.78	334.73

2.4 Star Slots

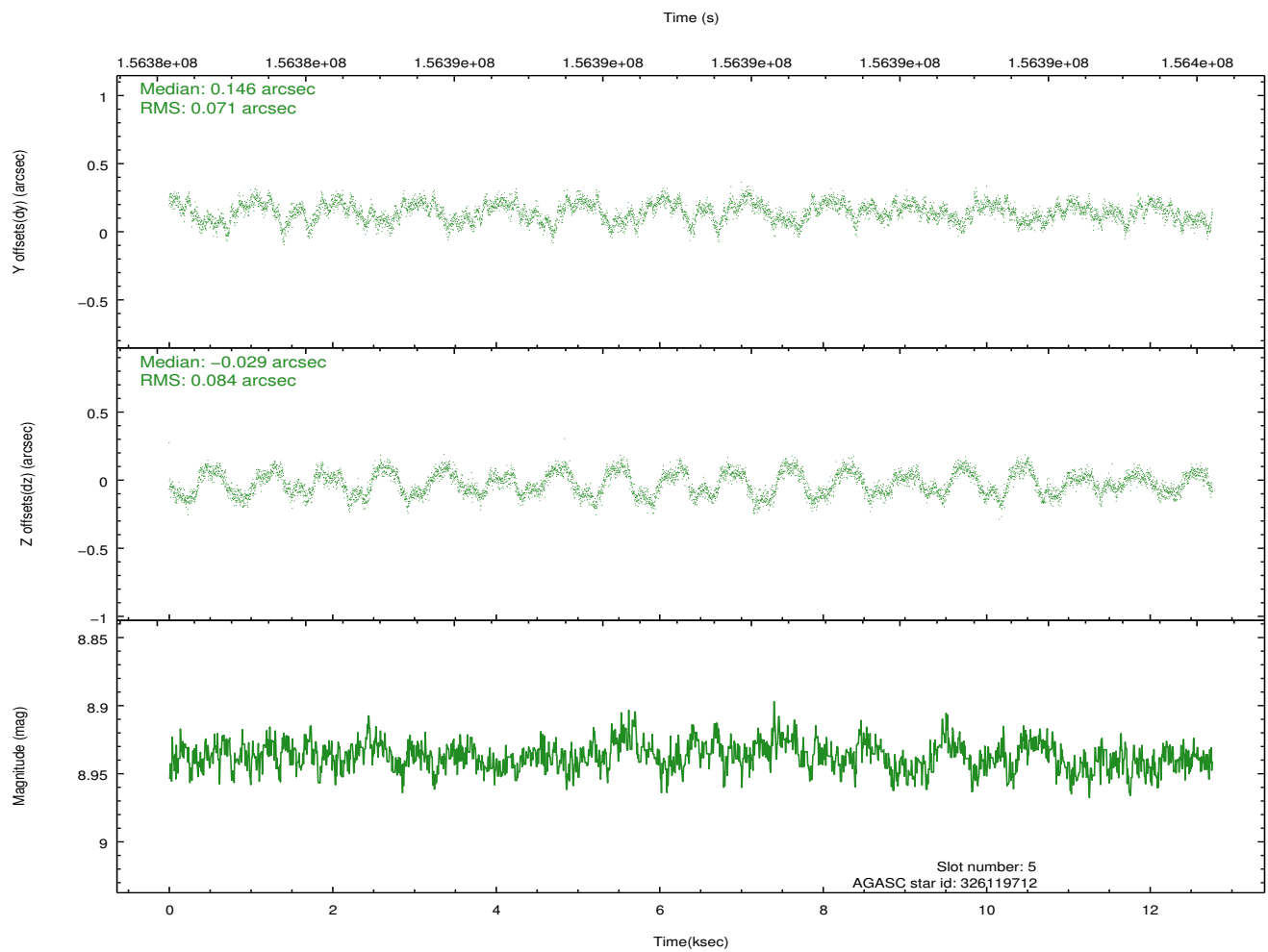
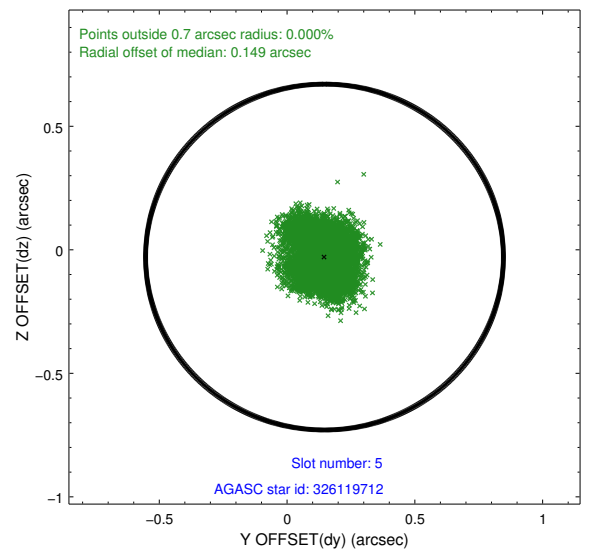
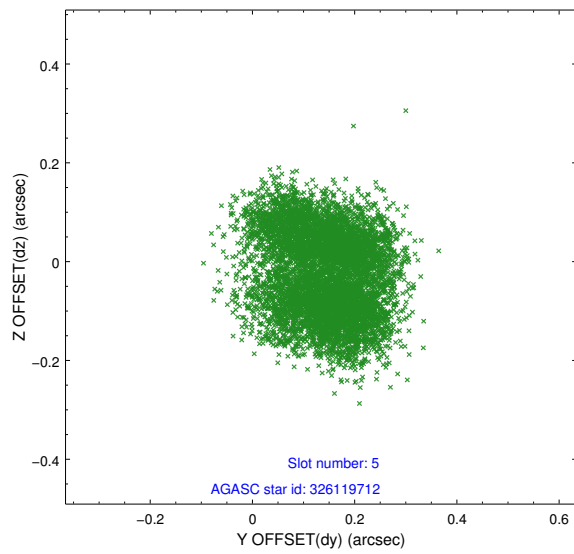
2.4.1 Slot 3



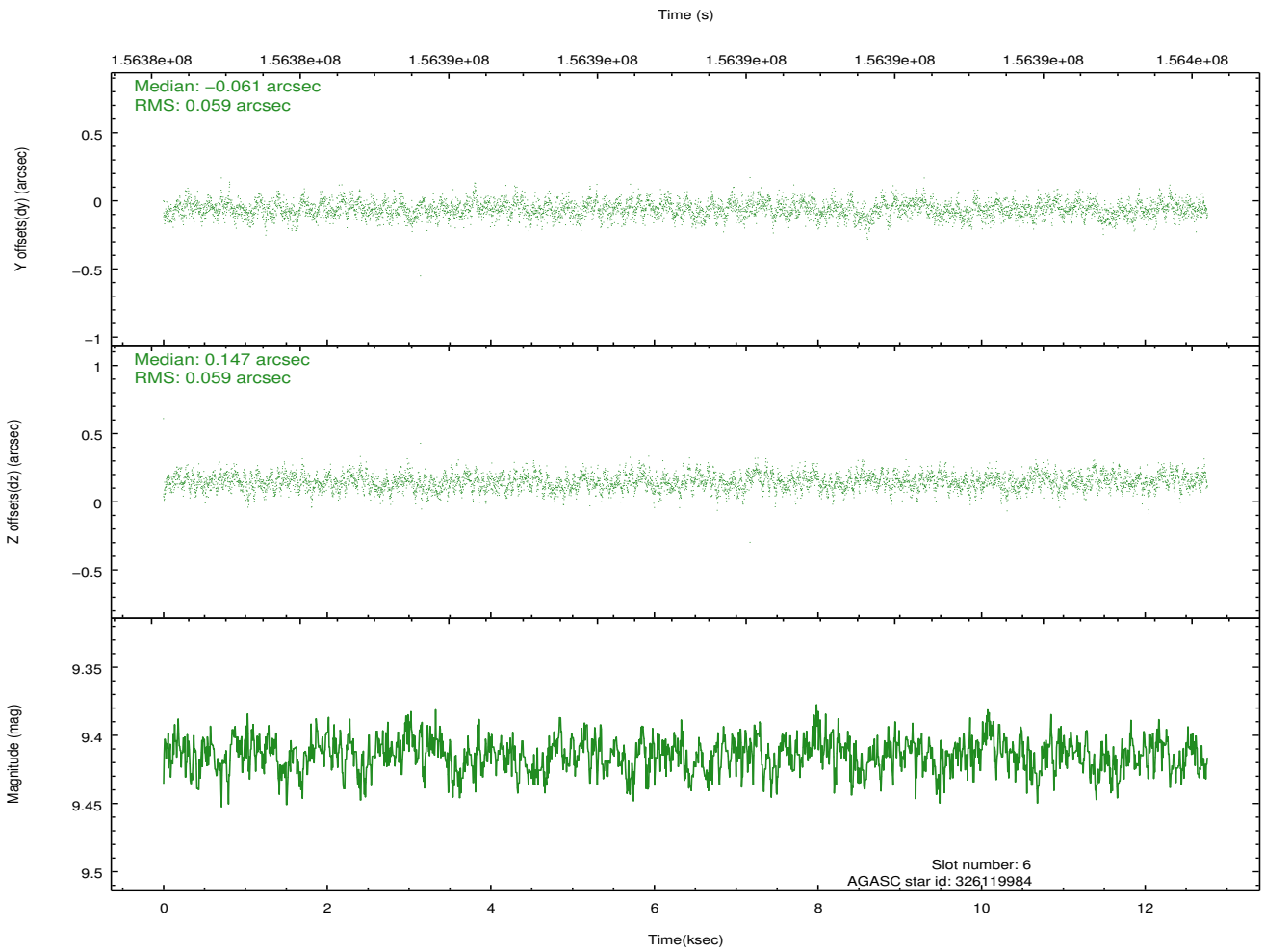
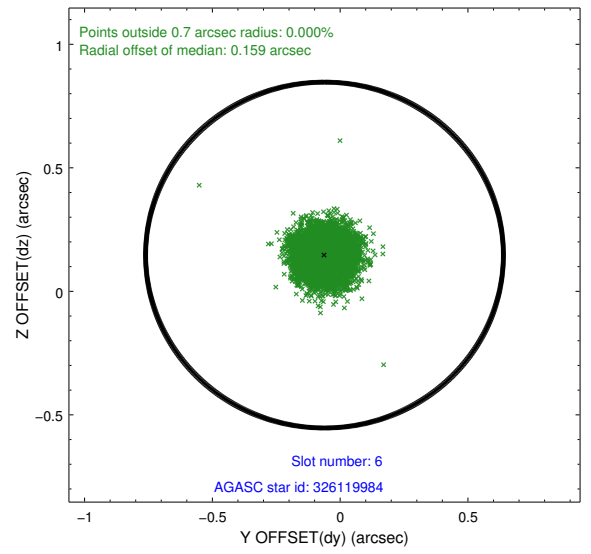
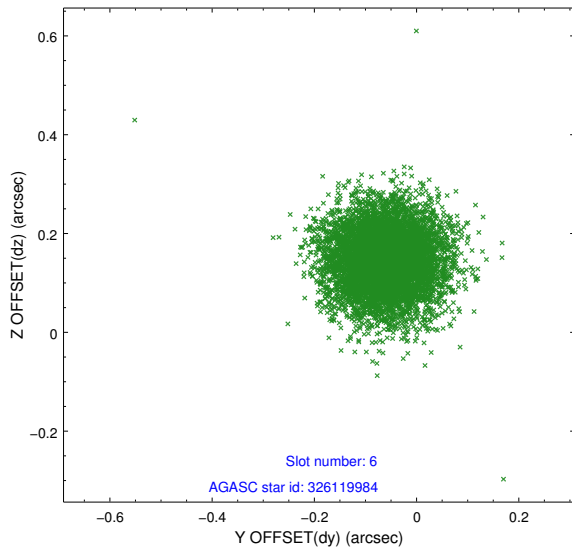
2.4.2 Slot 4



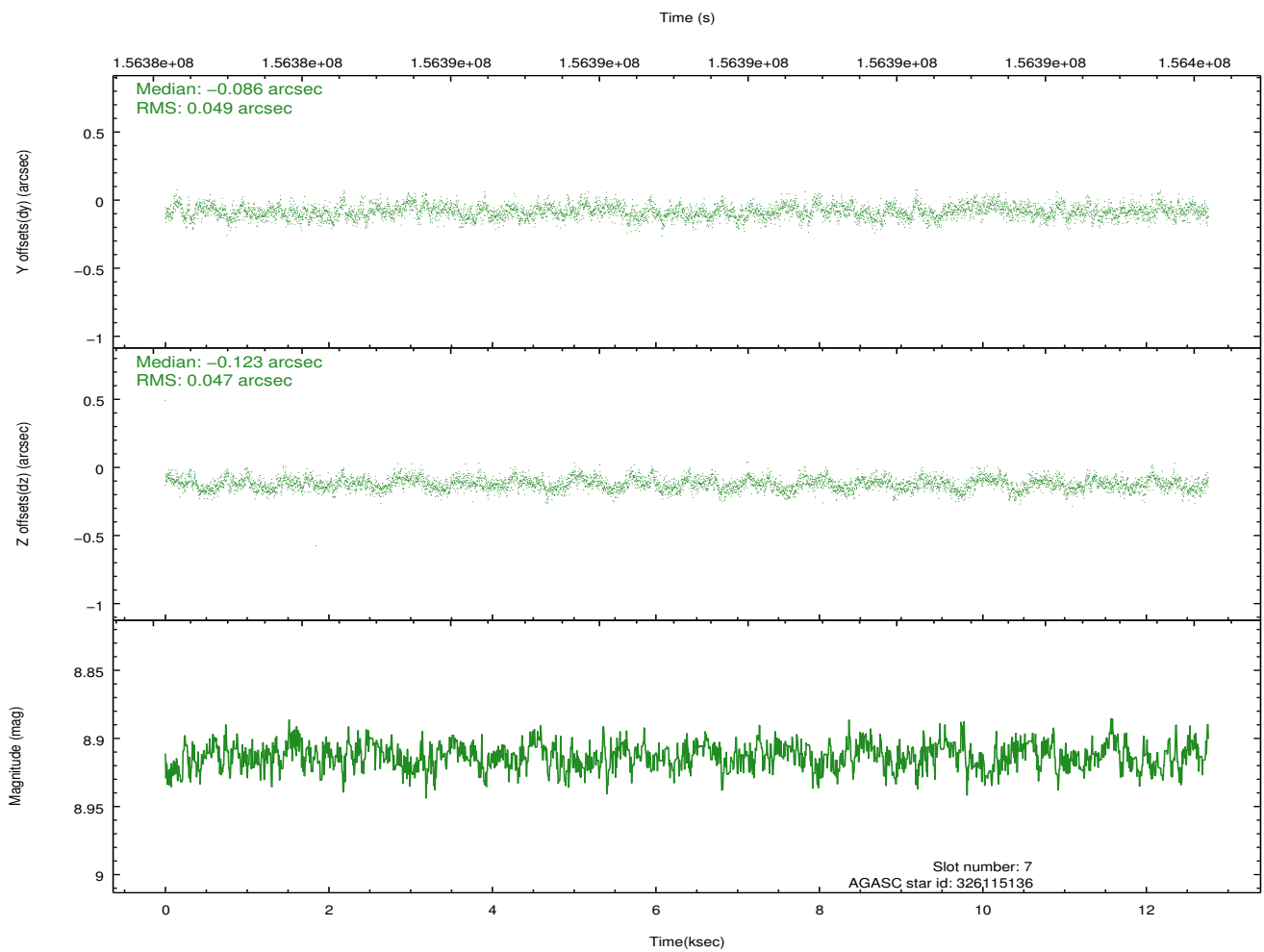
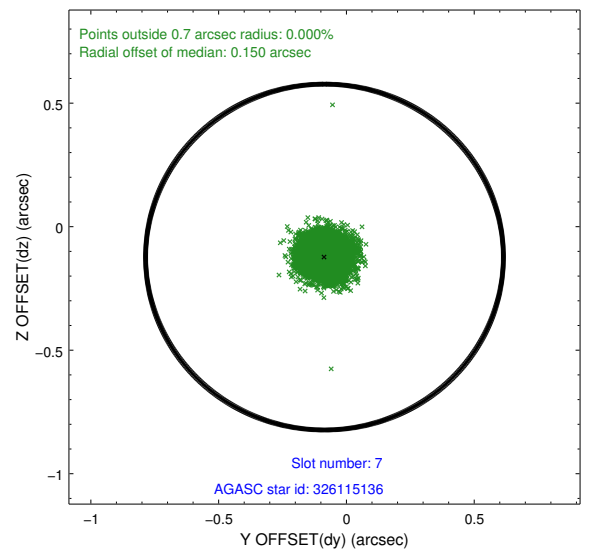
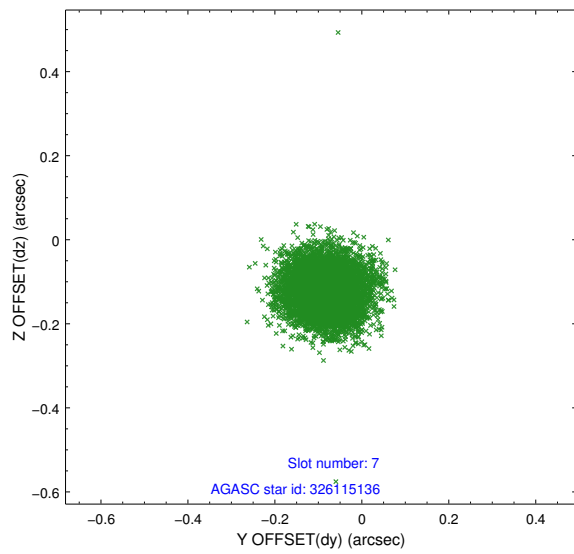
2.4.3 Slot 5



2.4.4 Slot 6

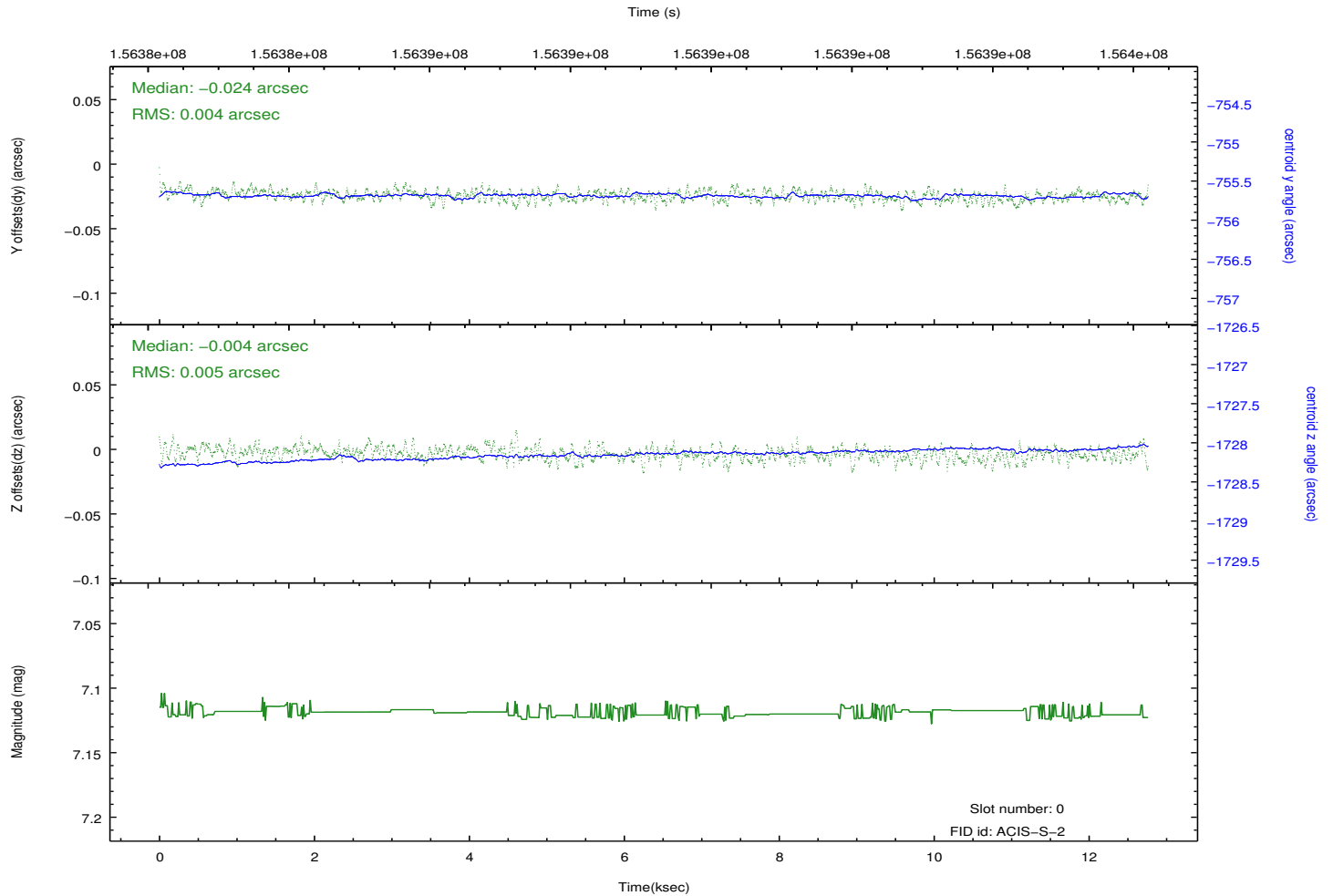
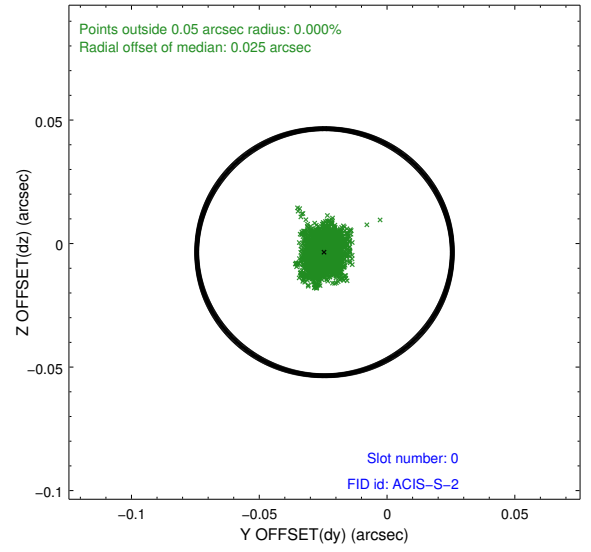
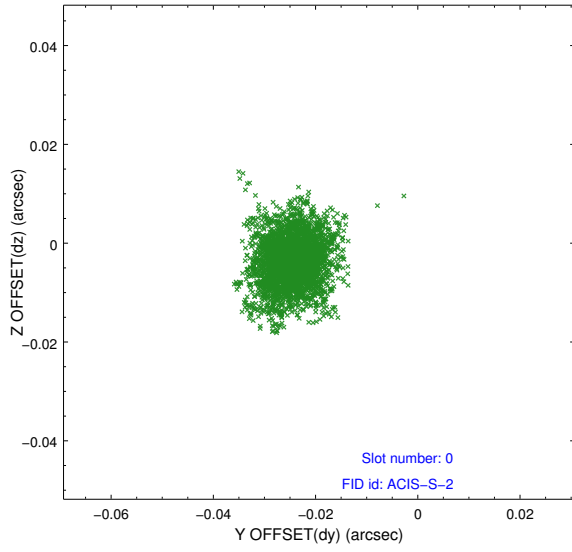


2.4.5 Slot 7

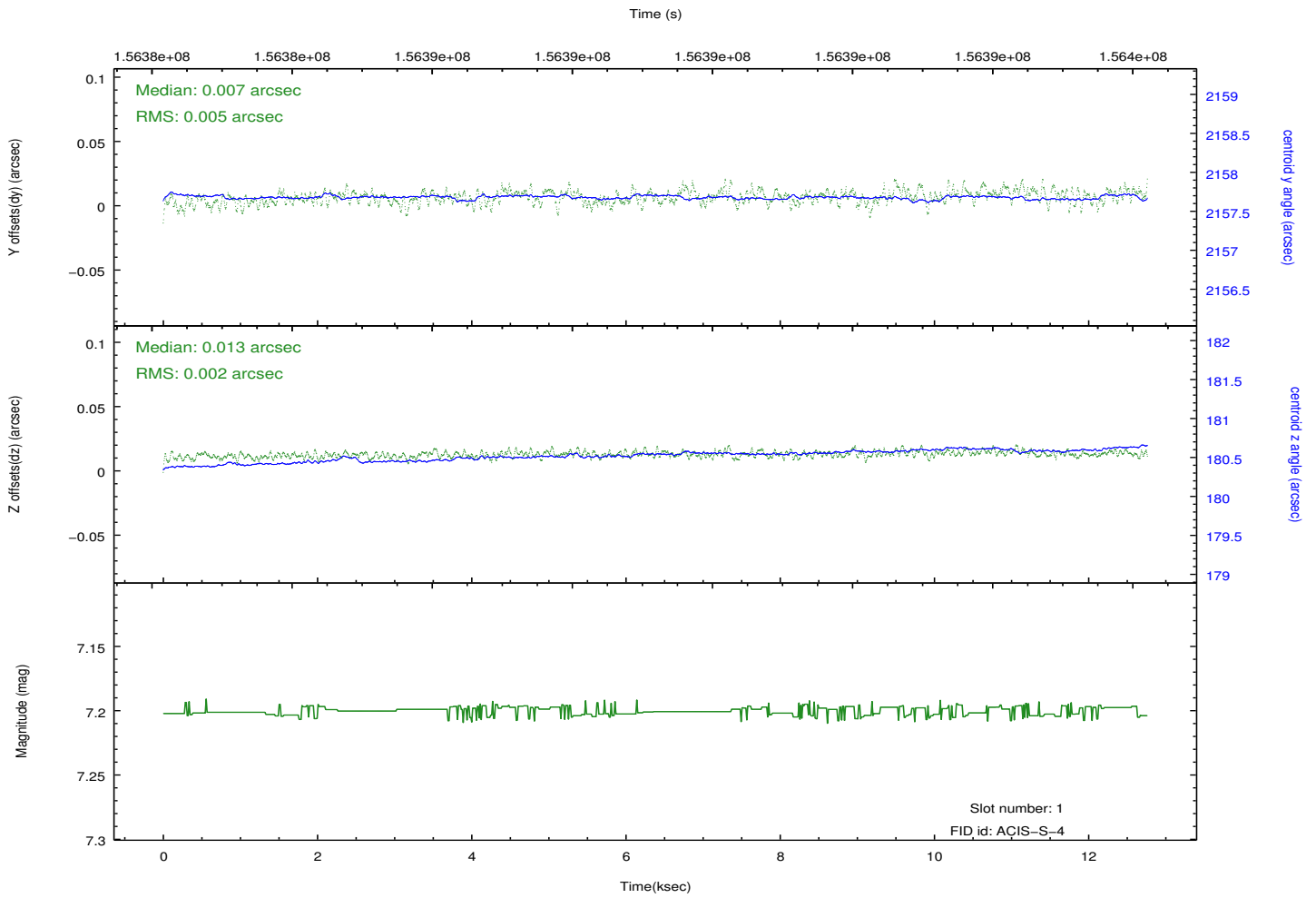
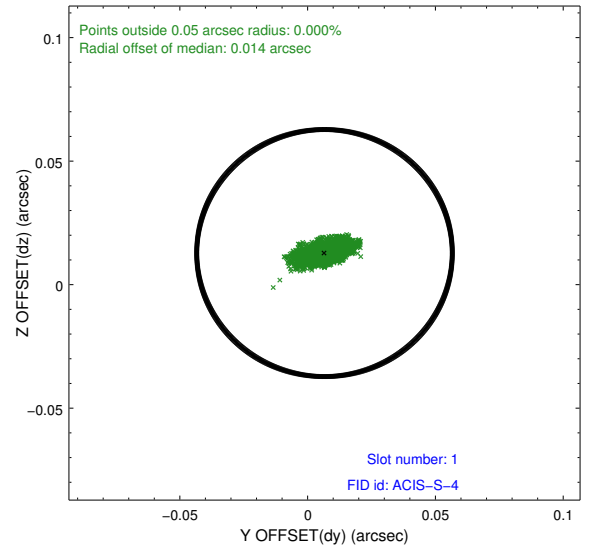
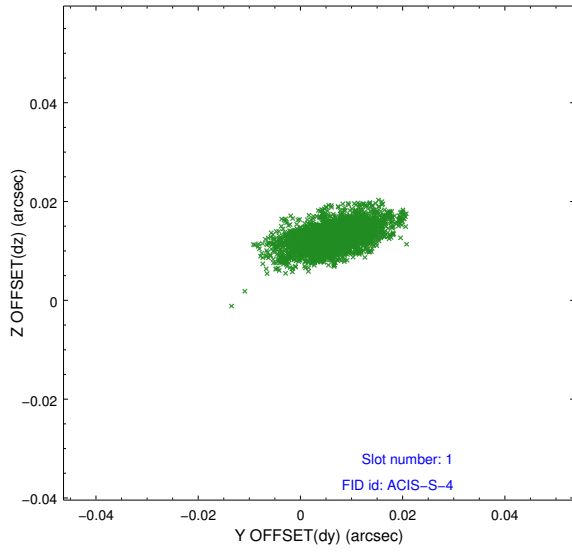


2.5 FID Slots

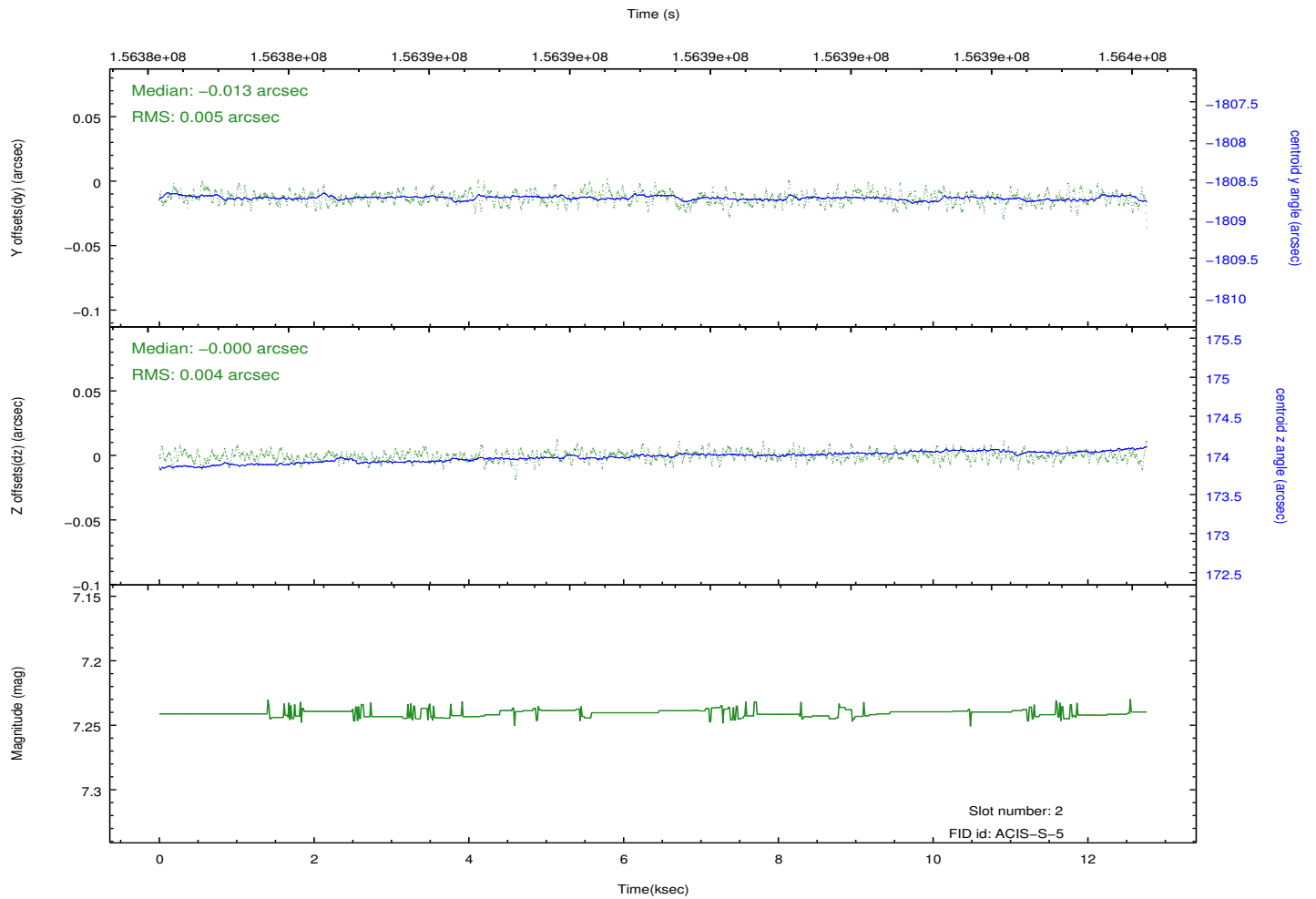
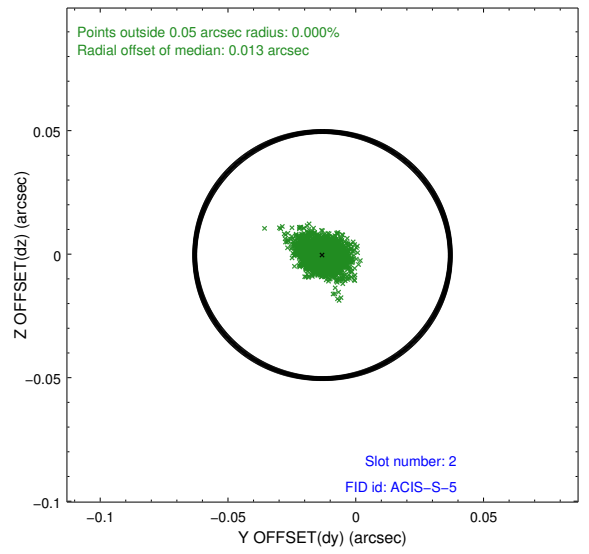
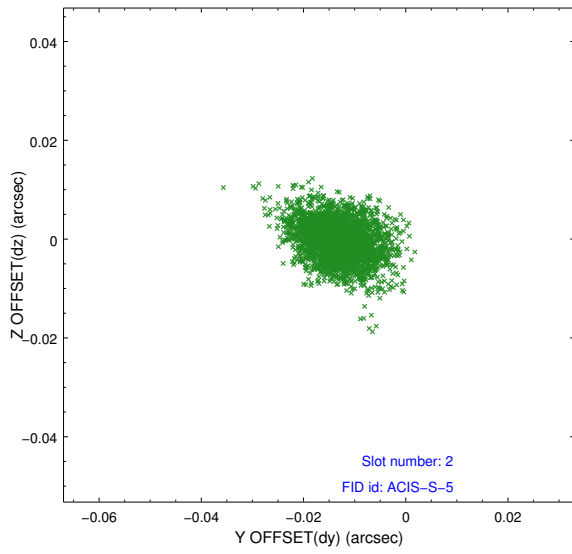
2.5.1 Slot 0



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)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.571

A.2 Comments