

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4042 - L2 Version 3
Chandra X-Ray Center

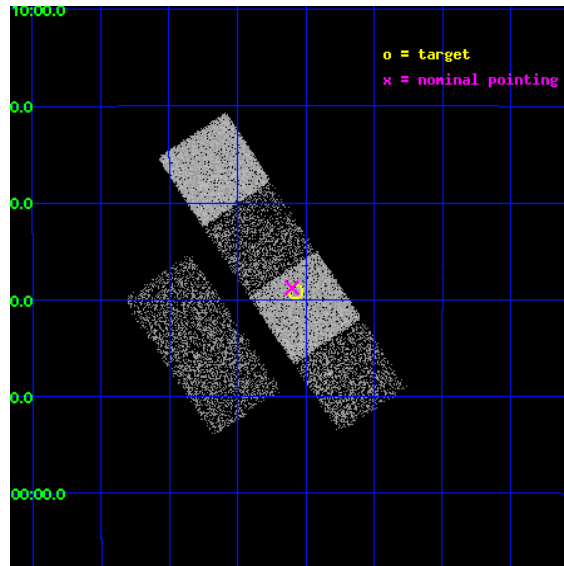
L2 Processing Date : Oct 24 2012

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1 Front

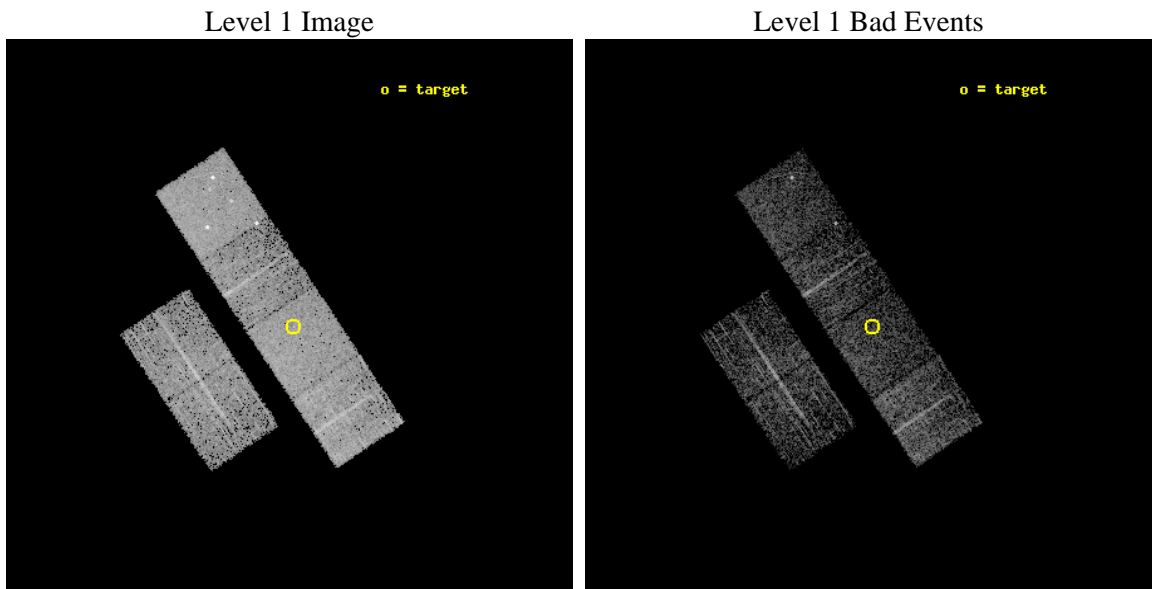
seq_num	700721	Sequence number
obs_id	4042	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS131704-173913	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	199.268333	Observer's specified target RA [deg]
dec_targ	-17.6535	Observer's specified target Dec [deg]
ra_nom	199.2754428251	Nominal RA [deg]
dec_nom	-17.646395424394	Nominal Dec [deg]
roll_nom	56.249151519401	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2953.5426544249	Sum of GTIs [s]
liveltime	2916.1431189247	Livetime [s]
ontime2	2953.5836944282	Sum of GTIs [s]
ontime3	2953.4194248617	Sum of GTIs [s]
ontime5	2953.5015048683	Sum of GTIs [s]
ontime6	2953.460464865	Sum of GTIs [s]
ontime7	2953.5426544249	Sum of GTIs [s]
ontime8	2953.3783848882	Sum of GTIs [s]
l2events	29899	Number of level 2 events



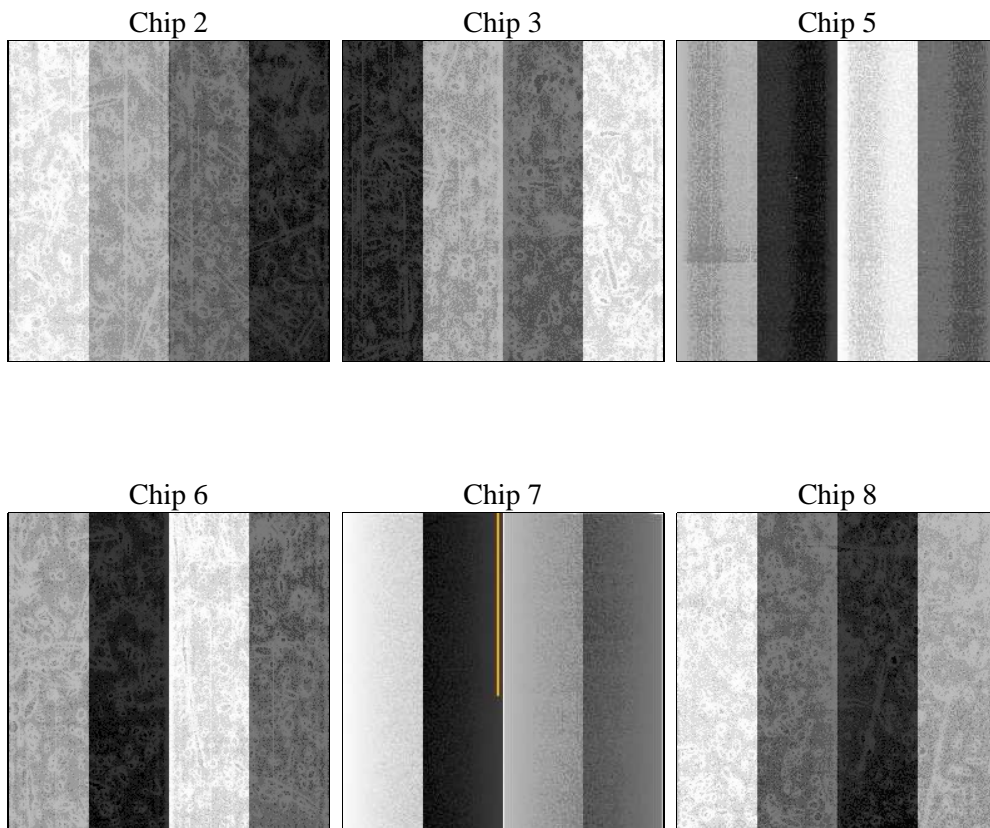
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2953.5426544249	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	2953.5836944282	Sum of GTIs [s]
date	2012-10-24T12:50:02	Date and time of file creation	ontime3	2953.4194248617	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2953.5015048683	Sum of GTIs [s]
			ontime6	2953.460464865	Sum of GTIs [s]
			ontime7	2953.5426544249	Sum of GTIs [s]
			ontime8	2953.3783848882	Sum of GTIs [s]
			l1events	140351	Number of level 1 events

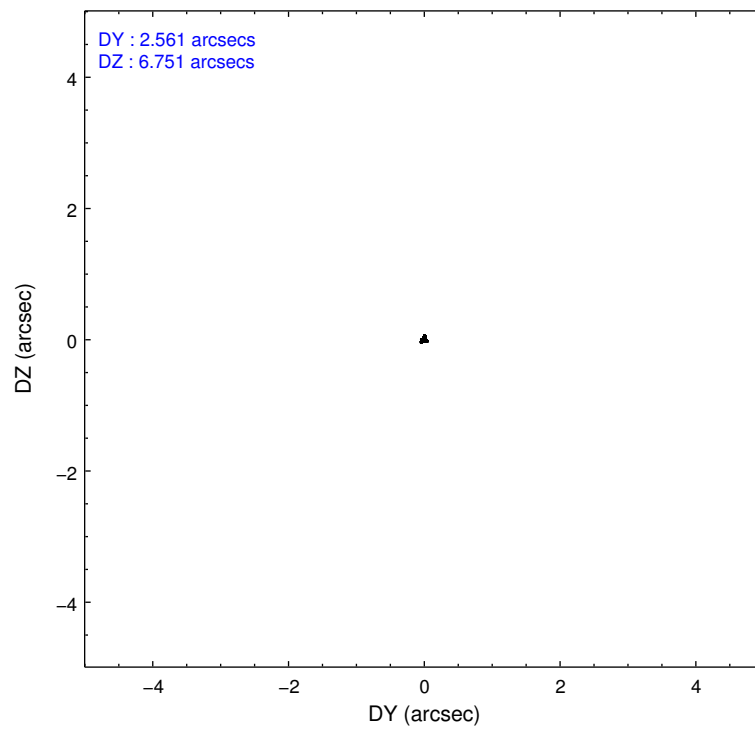
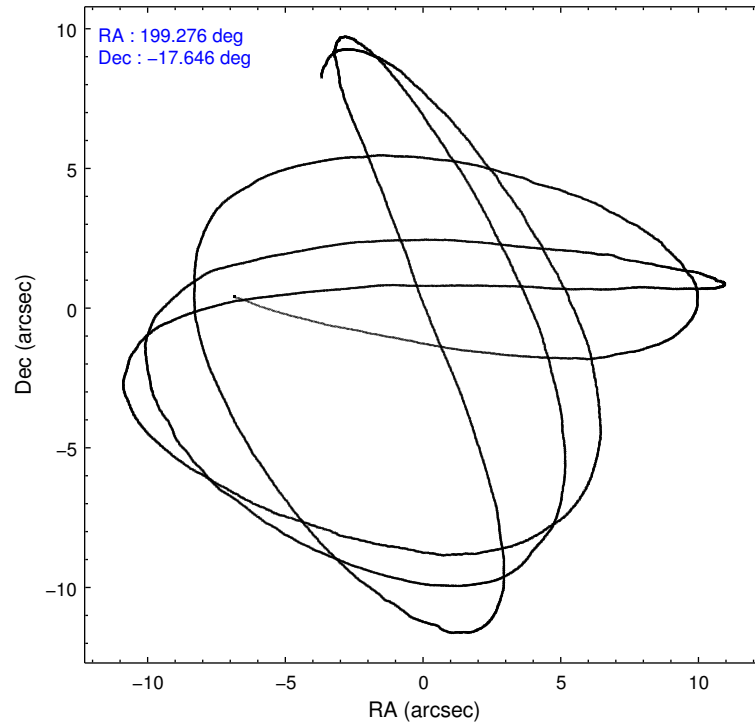
2.1.4 Events

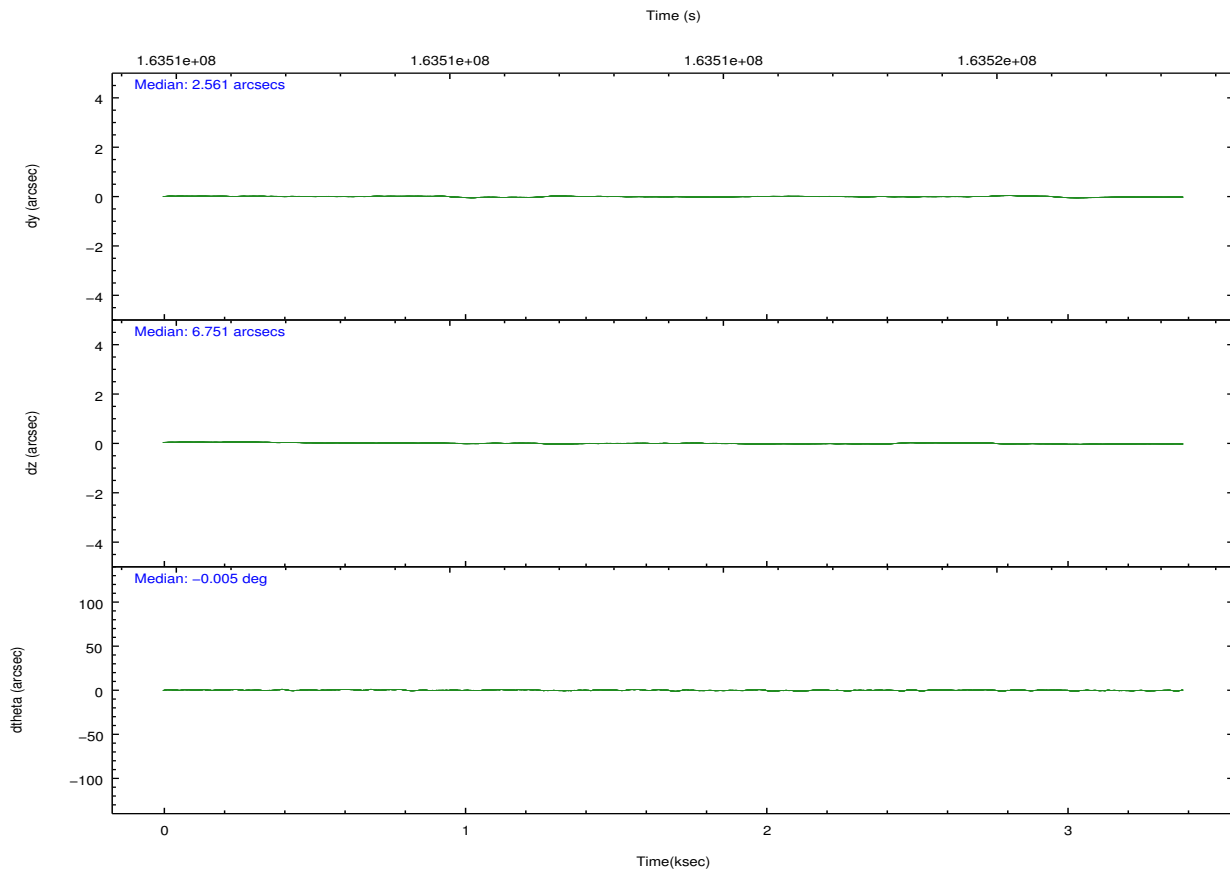
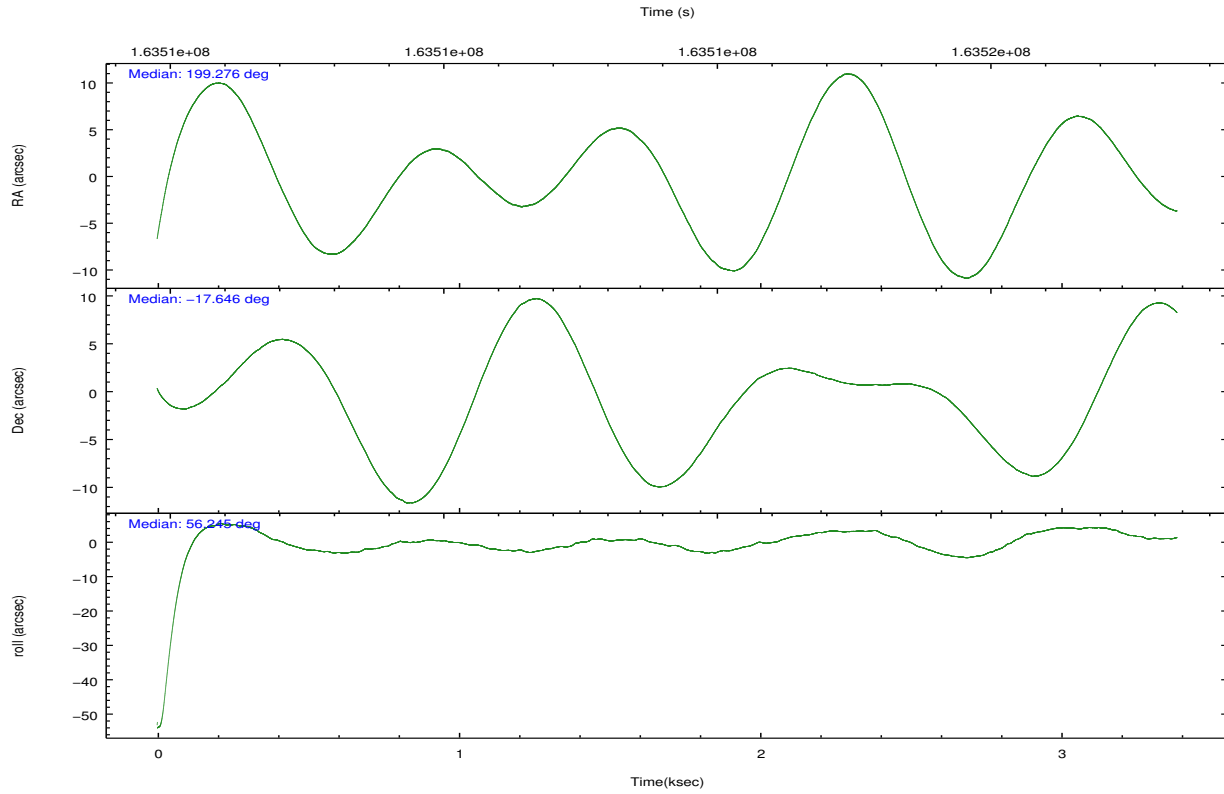
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19312	18701	29742	18521	25617	28458	grade 0 events	1006	962	2210	820	949	1560
rejected events	17037	16525	15445	16399	15139	23300		5%	5%	7%	4%	3%	5%
rejected %	88%	88%	51%	88%	59%	81%	grade 1 events	16	6	106	8	26	17
								0%	0%	0%	0%	0%	0%
							grade 2 events	473	401	4196	438	2142	1162
								2%	2%	14%	2%	8%	4%
							grade 3 events	221	218	560	222	926	544
								1%	1%	1%	1%	3%	1%
							grade 4 events	206	215	576	213	862	497
								1%	1%	1%	1%	3%	1%
							grade 5 events	723	849	2217	841	2437	1049
								3%	4%	7%	4%	9%	3%
							grade 6 events	381	382	6789	432	5635	1447
								1%	2%	22%	2%	21%	5%
							grade 7 events	16286	15668	13088	15547	12640	22182
								84%	83%	44%	83%	49%	77%

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	199.273884	199.2754428251044	Subarray requested	NONE	NONE
[deg] Pointing Dec	-17.673724	-17.6463954243938	Alternating exposures requested	N	N
[deg] Pointing Roll	56.092255	56.24915151940127	[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)	163512309.184000	163511606.87077			
Observation start date	2003-03-08T12:04:05	2003-03-08T11:53:26			
[s] Observation end time (MET)	163515509.184000	163515978.49595			
Observation end date	2003-03-08T12:57:25	2003-03-08T13:06:18			
Read mode	TIMED	TIMED			

2.3 Aspect



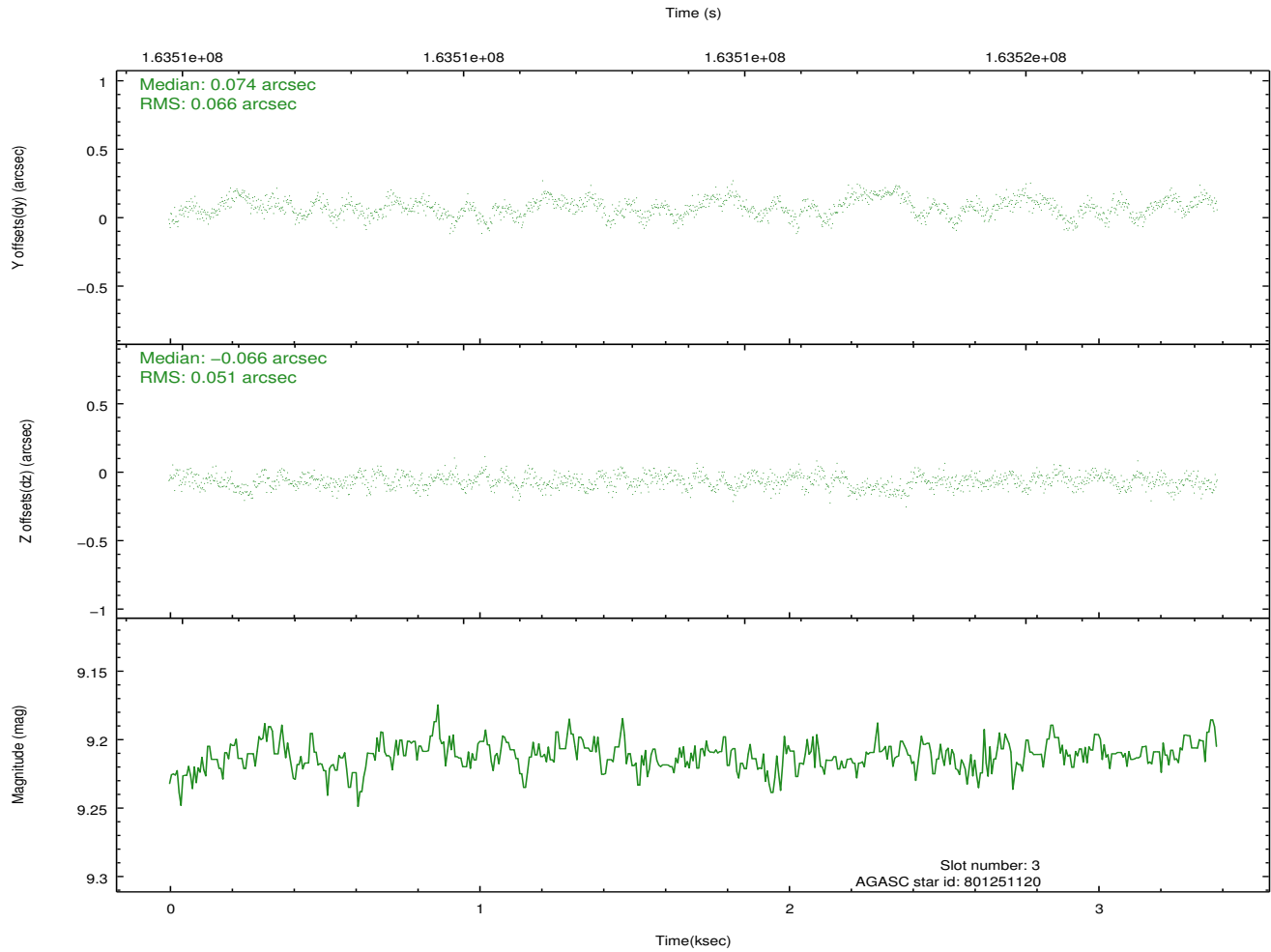
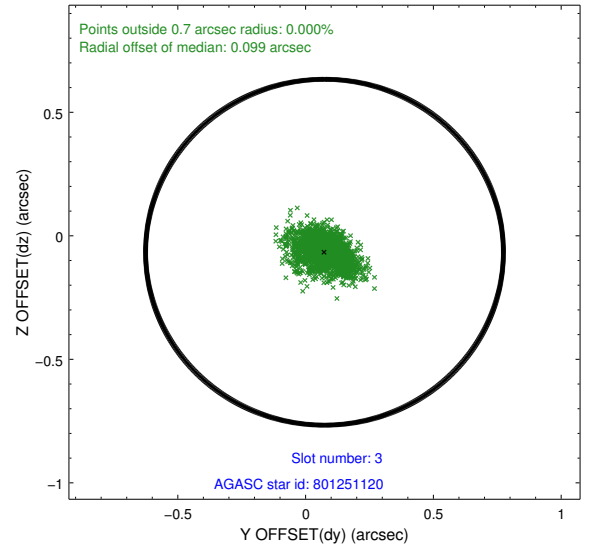
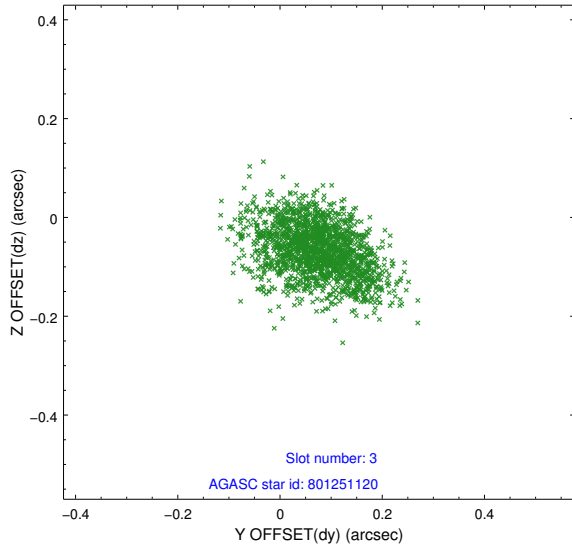


Slot Statistics

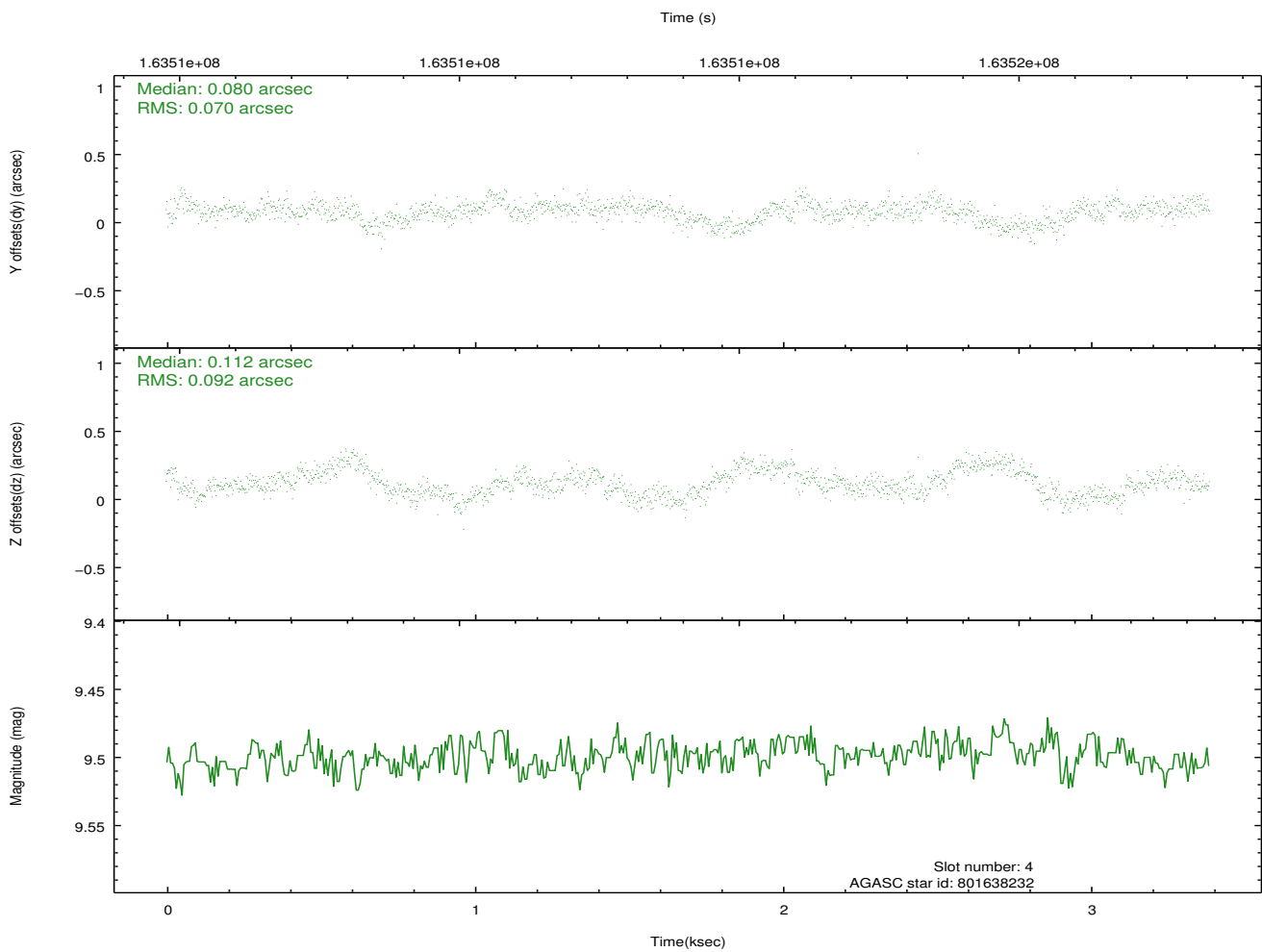
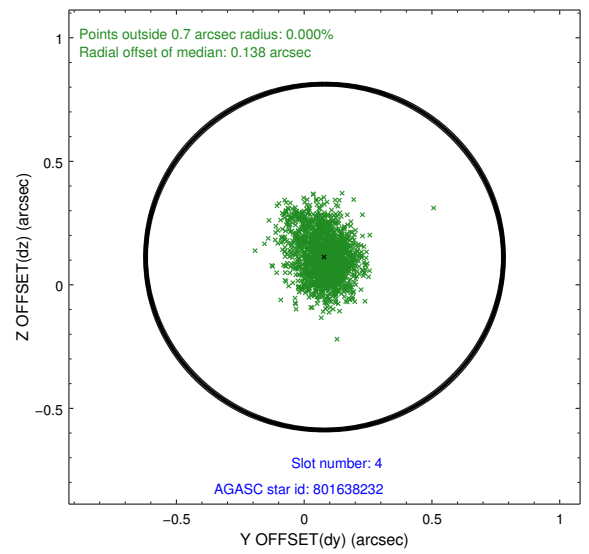
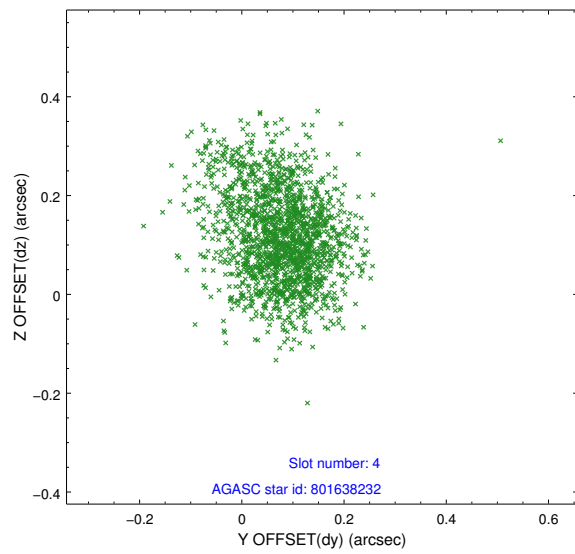
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	826	-0.039	0.001	0.006	0.010	0.000000	0.000000	-755.20	-1727.87
1	FID	ACIS-S-4	7.20	826	-0.003	0.019	0.005	0.010	0.000000	0.000000	2157.24	178.74
2	FID	ACIS-S-5	7.24	826	0.011	-0.011	0.006	0.010	0.000000	0.000000	-1805.61	174.46
3	GUIDE	801251120	9.21	1653	0.074	-0.066	0.090	0.149	198.836398	-17.471373	-235.70	1652.38
4	GUIDE	801638232	9.50	1653	0.080	0.112	0.121	0.203	199.279229	-17.902541	-674.05	-473.51
5	GUIDE	801639640	10.12	1649	0.031	-0.088	0.140	0.224	198.554878	-17.768126	-1662.17	1853.22
6	GUIDE	801640632	9.59	1651	0.166	-0.079	0.101	0.158	198.658071	-17.751793	-1415.49	1594.64
7	GUIDE	801253520	7.61	1652	-0.355	0.113	0.059	0.096	199.689069	-17.133691	2407.31	-100.44

2.4 Star Slots

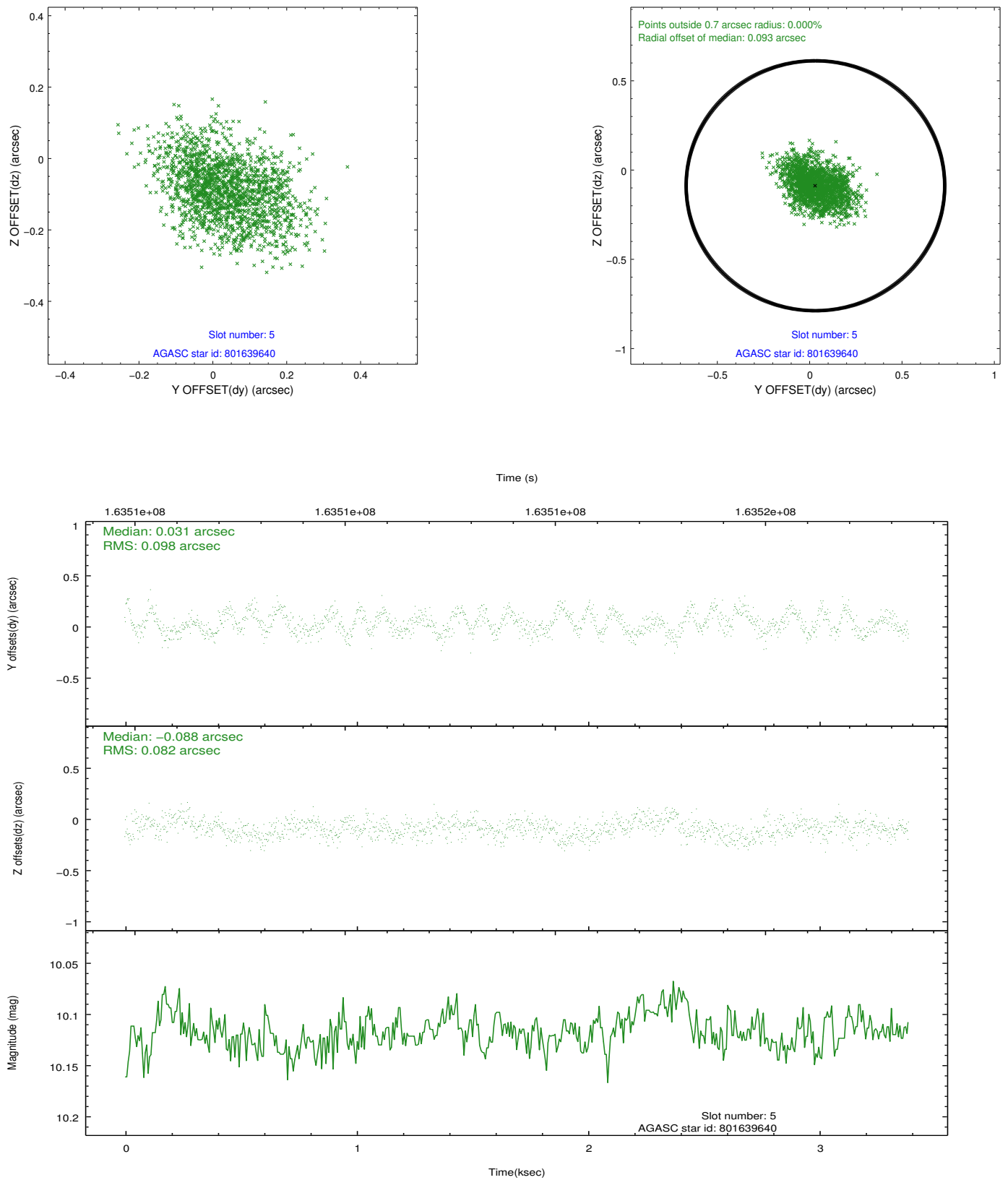
2.4.1 Slot 3



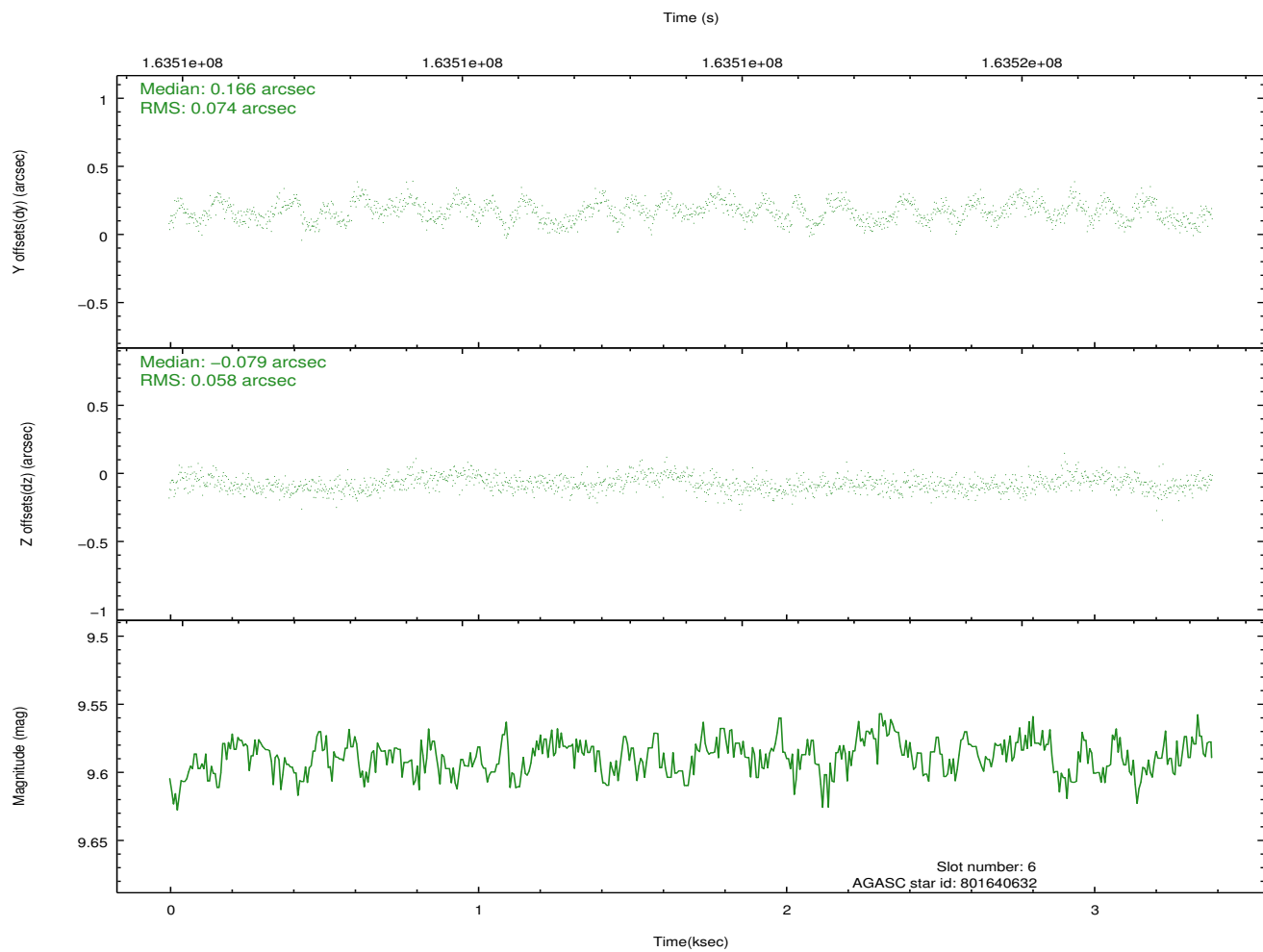
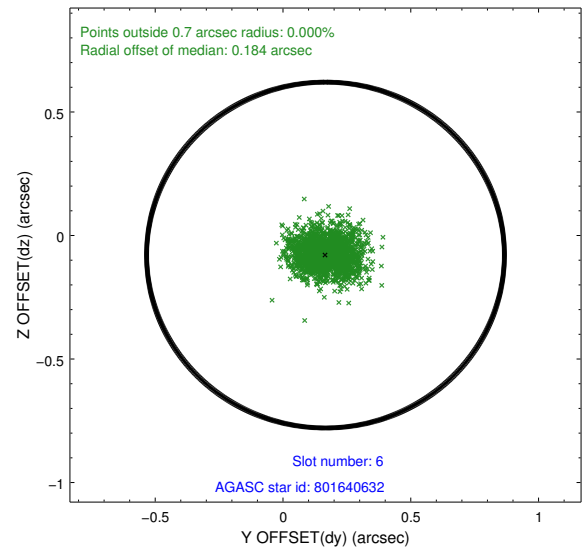
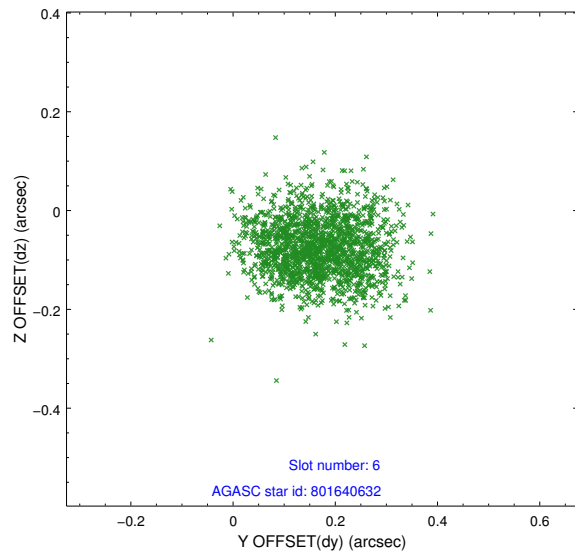
2.4.2 Slot 4



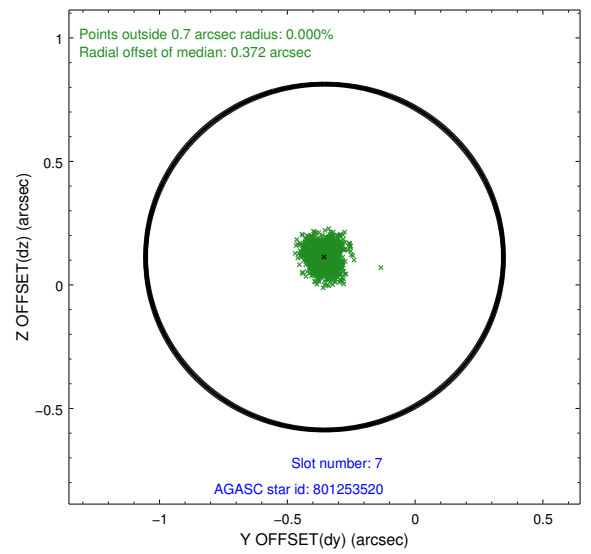
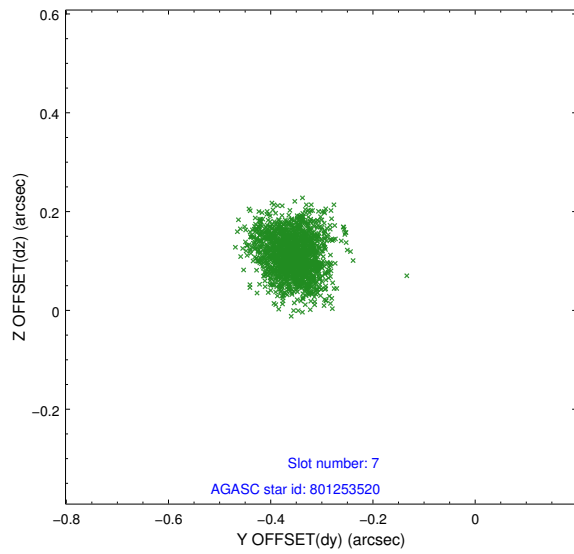
2.4.3 Slot 5



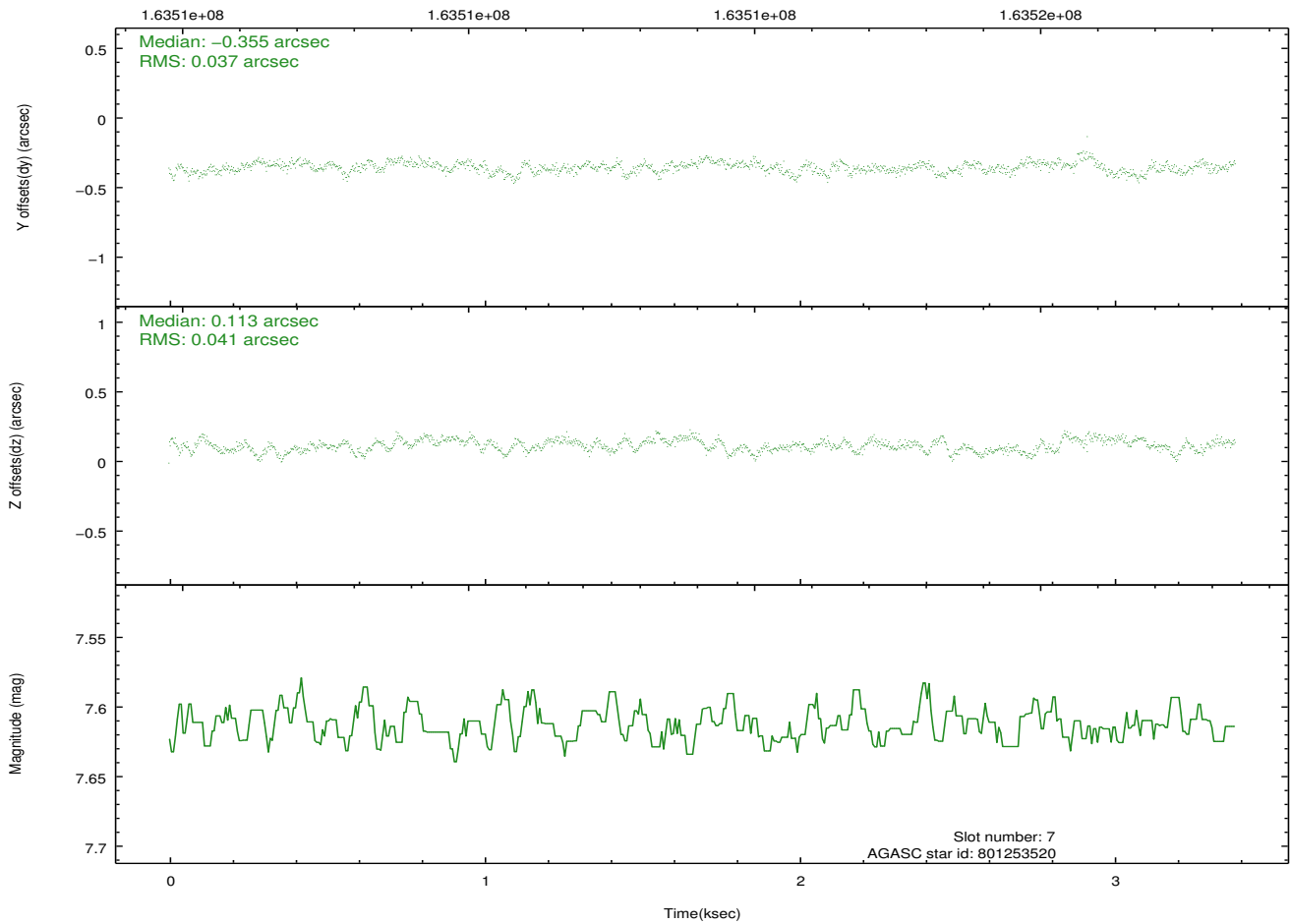
2.4.4 Slot 6



2.4.5 Slot 7

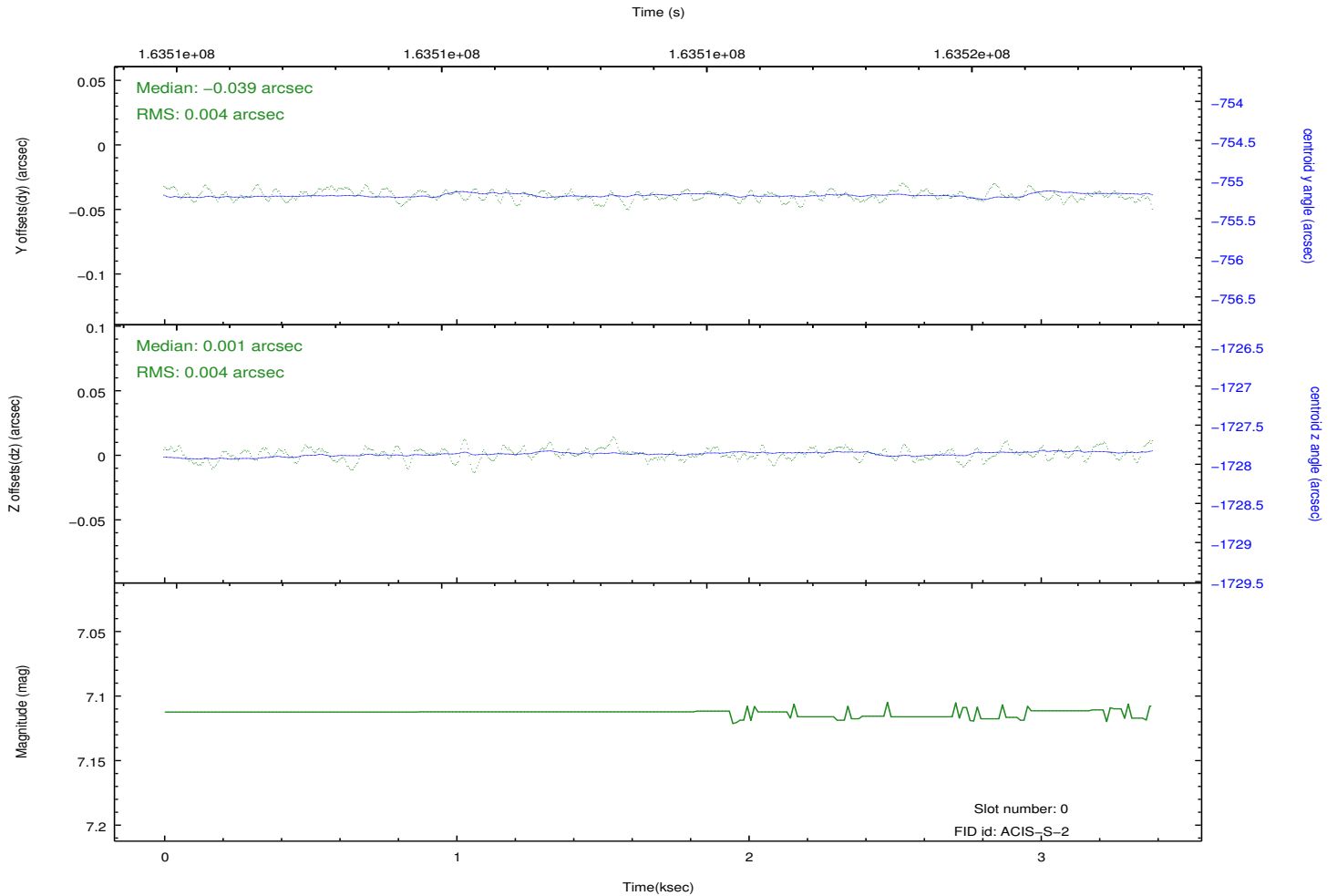
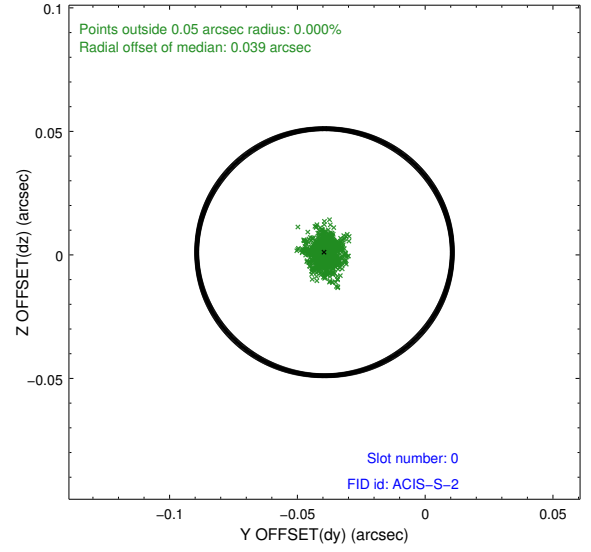
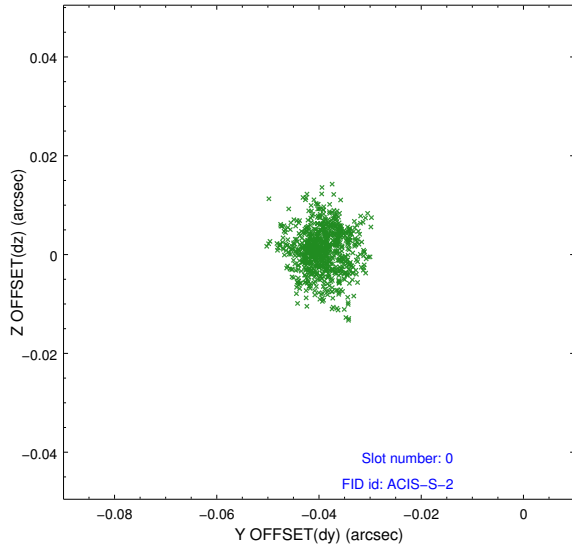


Time (s)

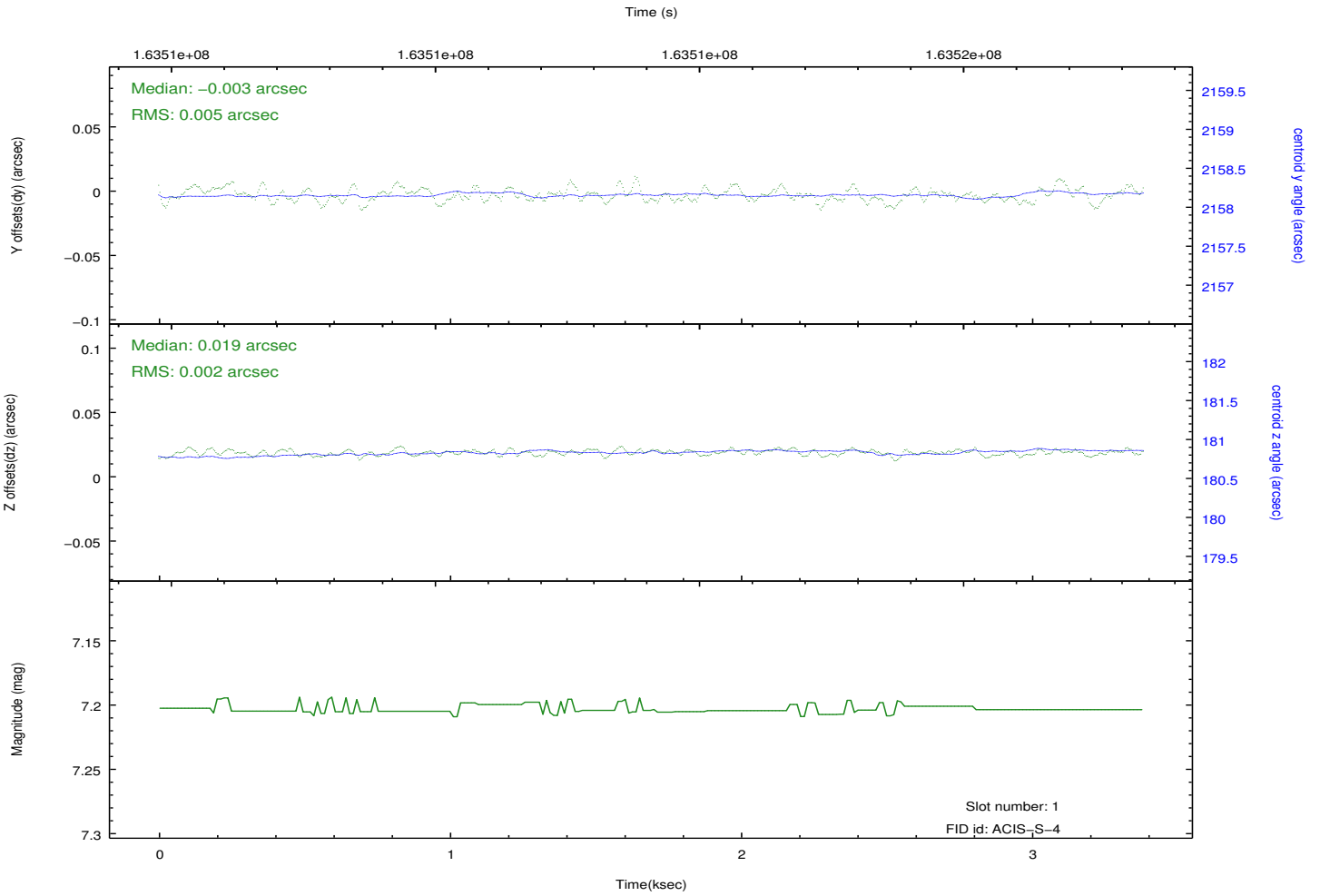
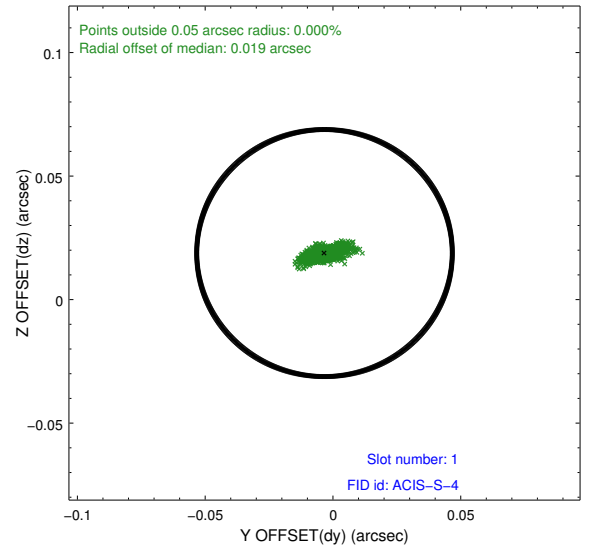
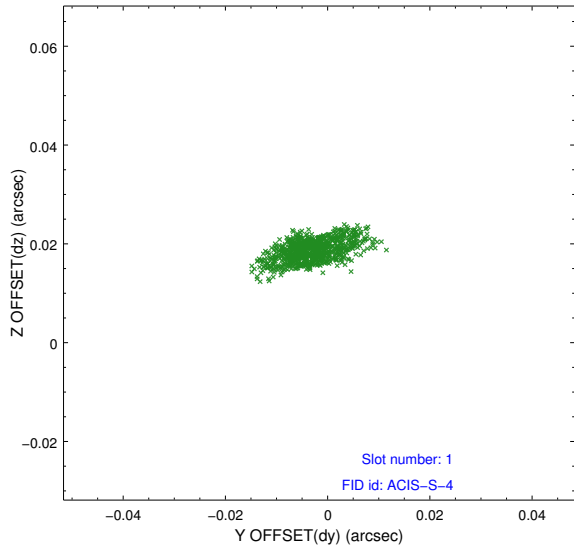


2.5 FID Slots

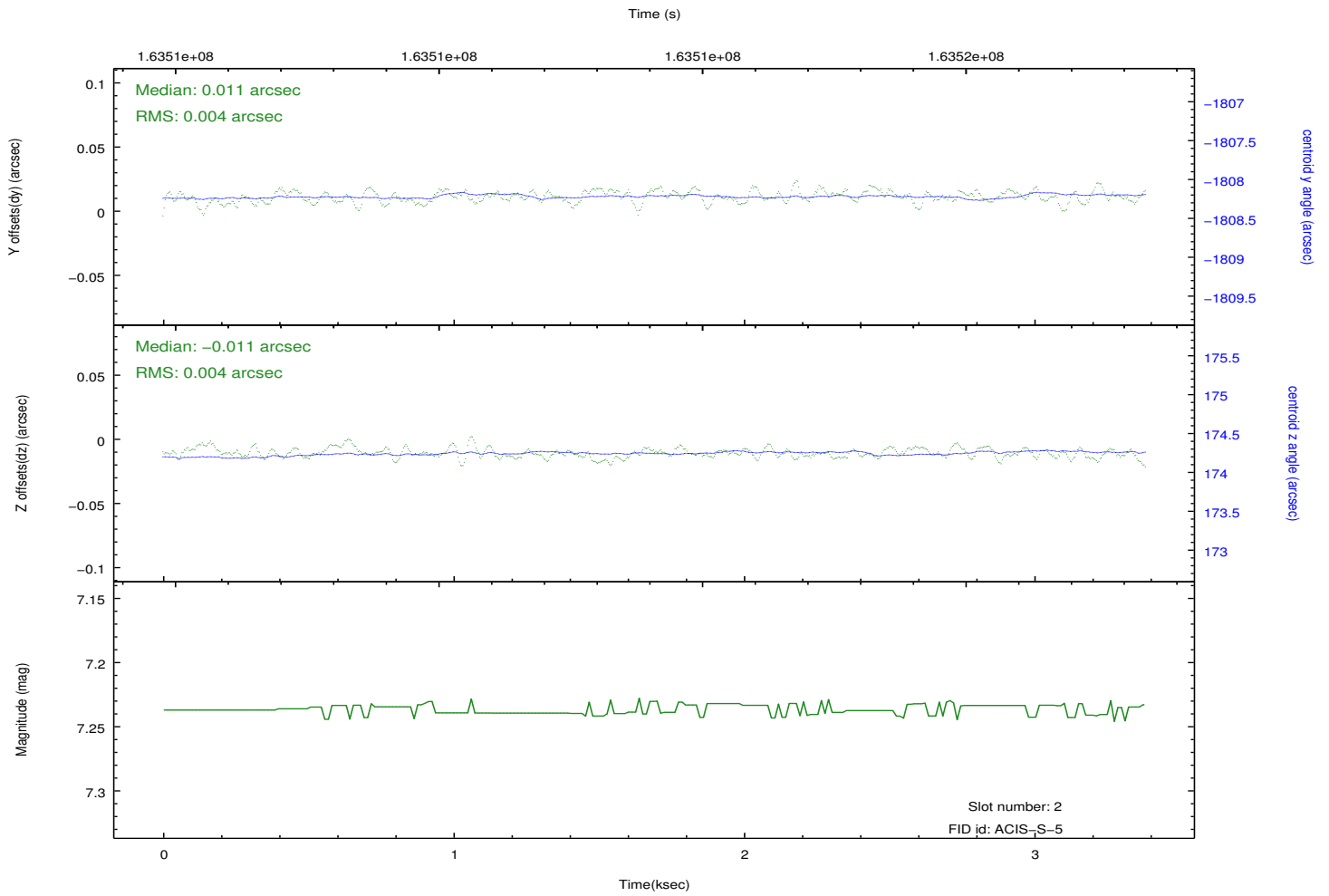
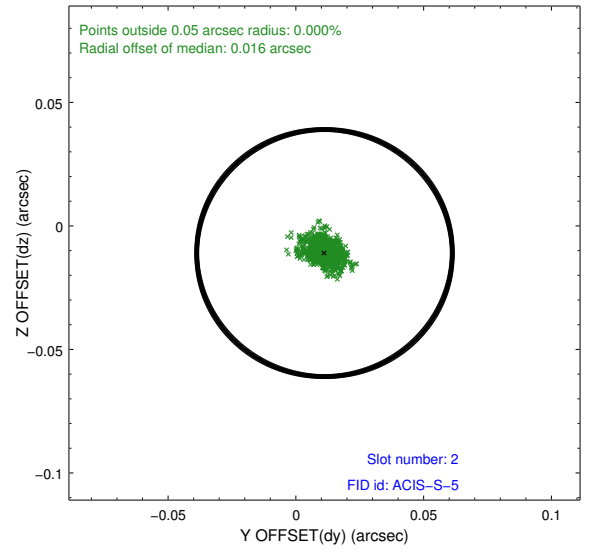
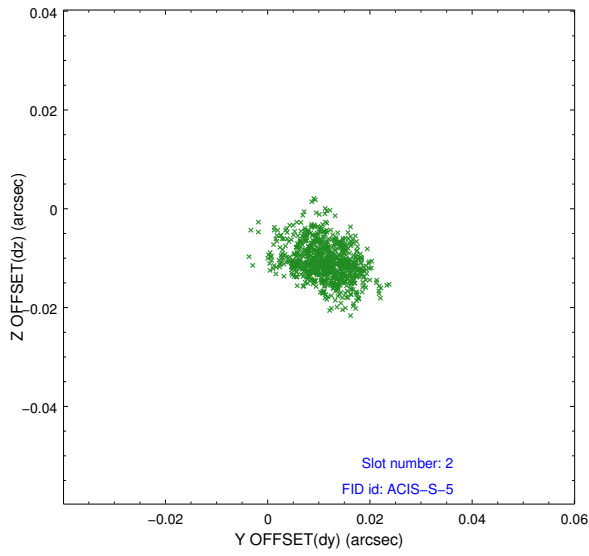
2.5.1 Slot 0



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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.956

A.2 Comments