

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4034 - L2 Version 3
Chandra X-Ray Center

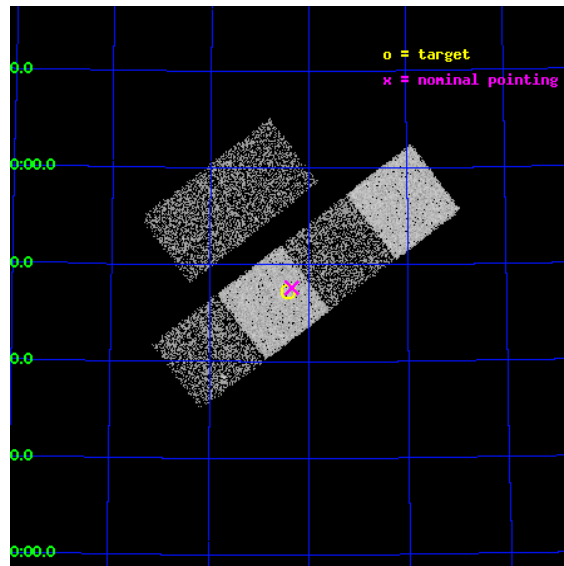
L2 Processing Date : Oct 19 2012

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1 Front

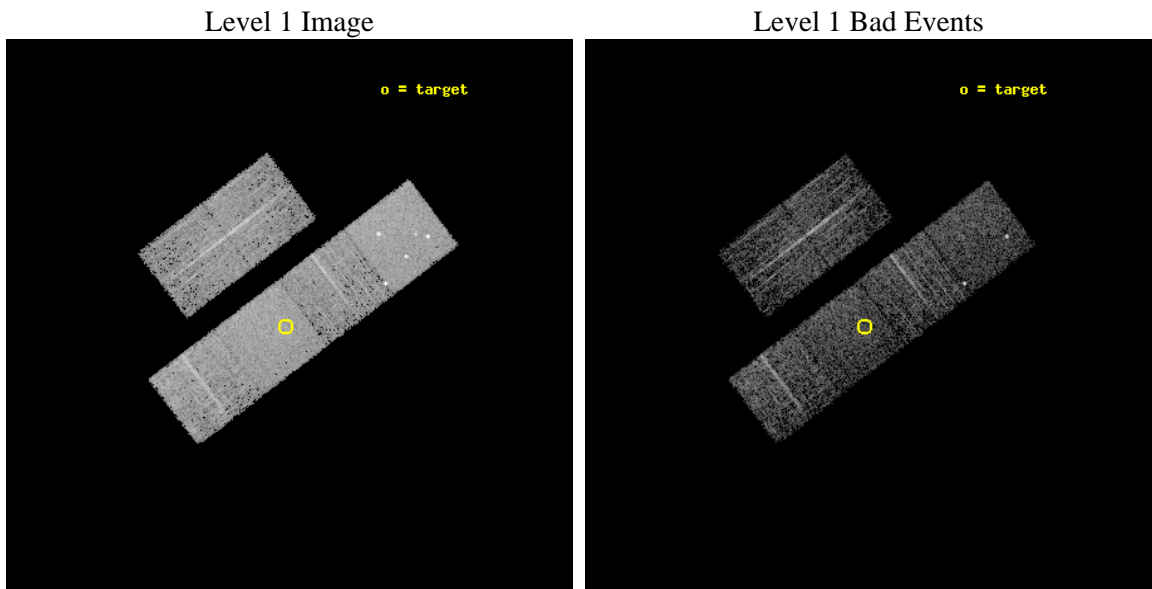
seq_num	700713	Sequence number
obs_id	4034	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS074825+694712	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	117.105	Observer's specified target RA [deg]
dec_targ	69.786722	Observer's specified target Dec [deg]
ra_nom	117.08588887191	Nominal RA [deg]
dec_nom	69.793822956146	Nominal Dec [deg]
roll_nom	142.6821461595	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4129.7364174128	Sum of GTIs [s]
livetime	4077.4432082667	Livetime [s]
ontime2	4129.7774574161	Sum of GTIs [s]
ontime3	4129.6132974029	Sum of GTIs [s]
ontime5	4129.6953774095	Sum of GTIs [s]
ontime6	4129.6543374062	Sum of GTIs [s]
ontime7	4129.7364174128	Sum of GTIs [s]
ontime8	4129.5722574294	Sum of GTIs [s]
l2events	39907	Number of level 2 events



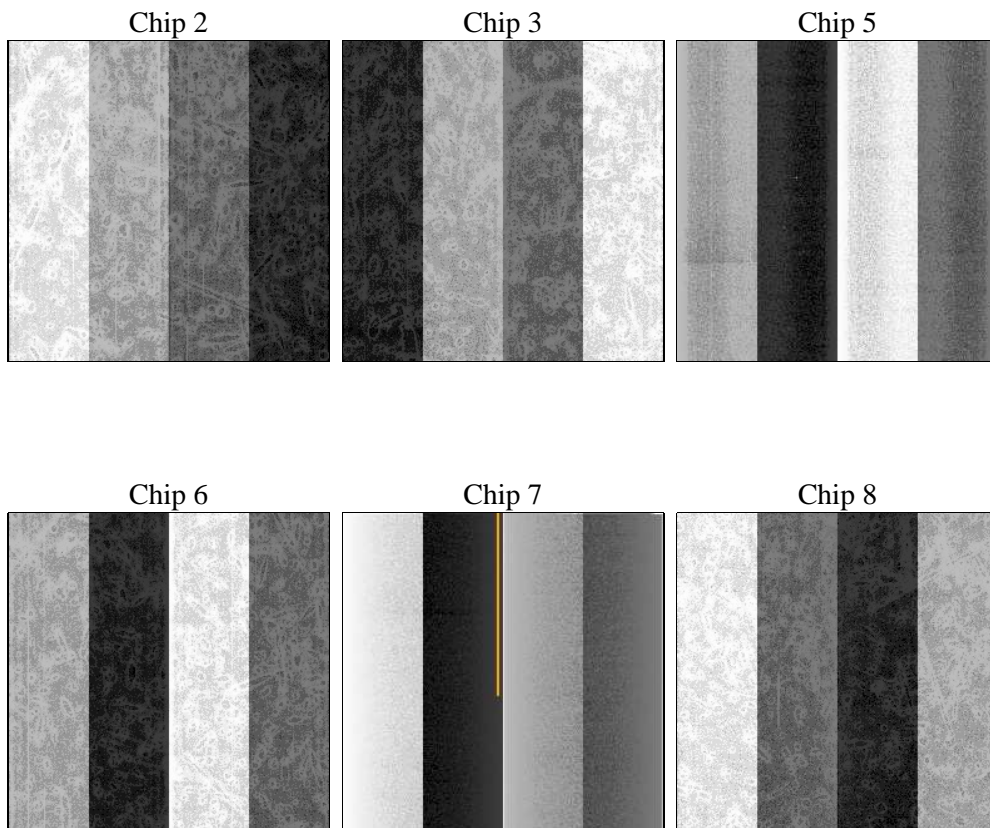
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4169.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4129.7364174128	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4129.7774574161	Sum of GTIs [s]
date	2012-10-19T05:44:51	Date and time of file creation	ontime3	4129.6132974029	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4129.6953774095	Sum of GTIs [s]
			ontime6	4129.6543374062	Sum of GTIs [s]
			ontime7	4129.7364174128	Sum of GTIs [s]
			ontime8	4129.5722574294	Sum of GTIs [s]
			l1events	180167	Number of level 1 events

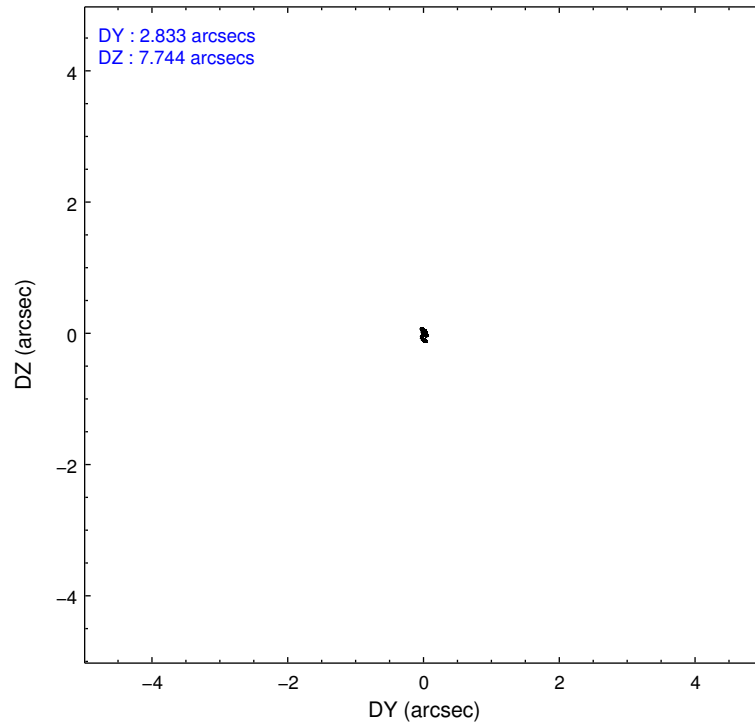
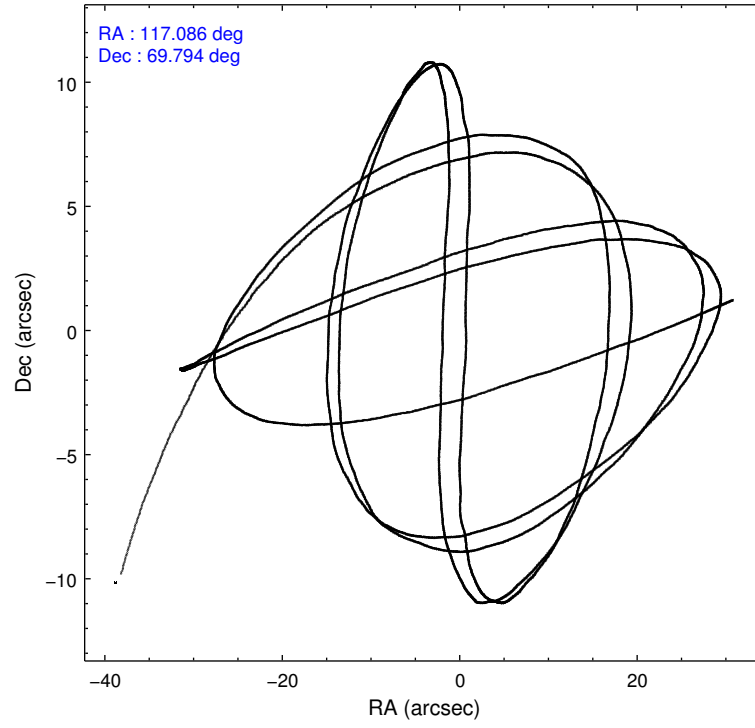
2.1.4 Events

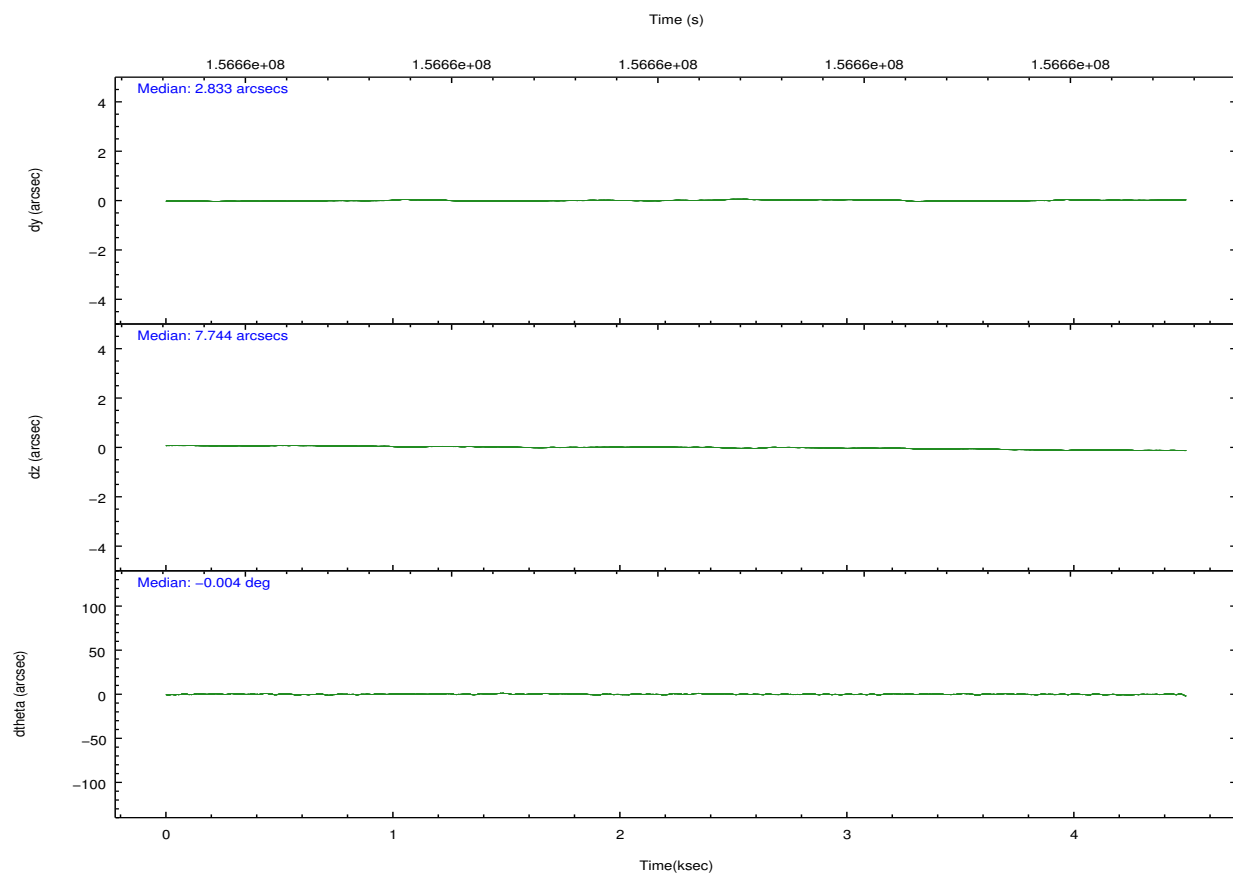
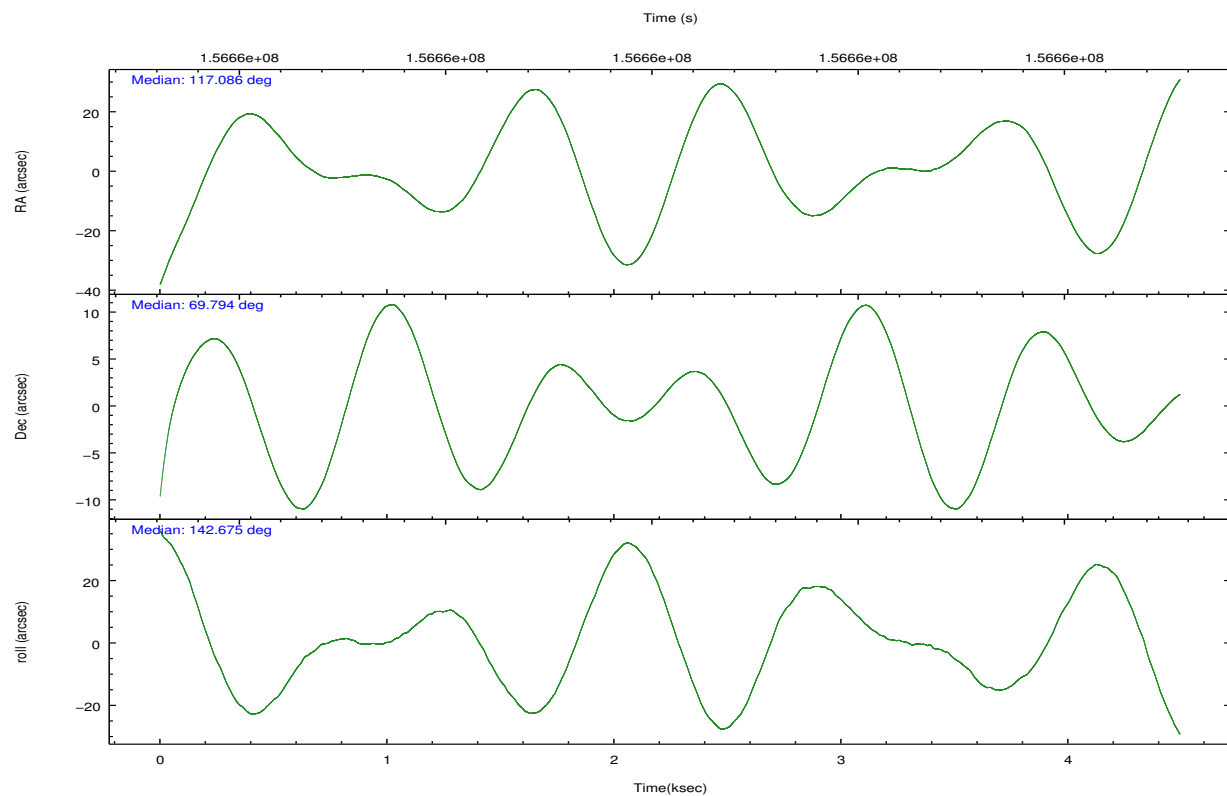
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25301	24170	39888	26243	33337	31228	grade 0 events	1337	1377	3734	1208	1380	2054
rejected events	22322	21269	20805	23260	19449	24730		5%	5%	9%	4%	4%	6%
rejected %	88%	87%	52%	88%	58%	79%	grade 1 events	17	15	641	9	29	20
								0%	0%	1%	0%	0%	0%
							grade 2 events	587	515	5270	607	2871	1484
								2%	2%	13%	2%	8%	4%
							grade 3 events	316	275	687	283	1263	642
								1%	1%	1%	1%	3%	2%
							grade 4 events	299	281	688	290	1213	619
								1%	1%	1%	1%	3%	1%
							grade 5 events	981	995	2976	1133	3258	1450
								3%	4%	7%	4%	9%	4%
							grade 6 events	442	458	8729	600	7184	1716
								1%	1%	21%	2%	21%	5%
							grade 7 events	21322	20254	17163	22113	16139	23243
								84%	83%	43%	84%	48%	74%

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	117.164368	117.0858888719096	Subarray requested	NONE	NONE
[deg] Pointing Dec	69.790724	69.79382295614562	Alternating exposures requested	N	N
[deg] Pointing Roll	142.451869	142.6821461594994	[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)	156656166.184000	156655122.77086			
Observation start date	2002-12-19T03:35:02	2002-12-19T03:18:42			
[s] Observation end time (MET)	156660335.184000	156661070.84611			
Observation end date	2002-12-19T04:44:31	2002-12-19T04:57:50			
Read mode	TIMED	TIMED			

2.3 Aspect



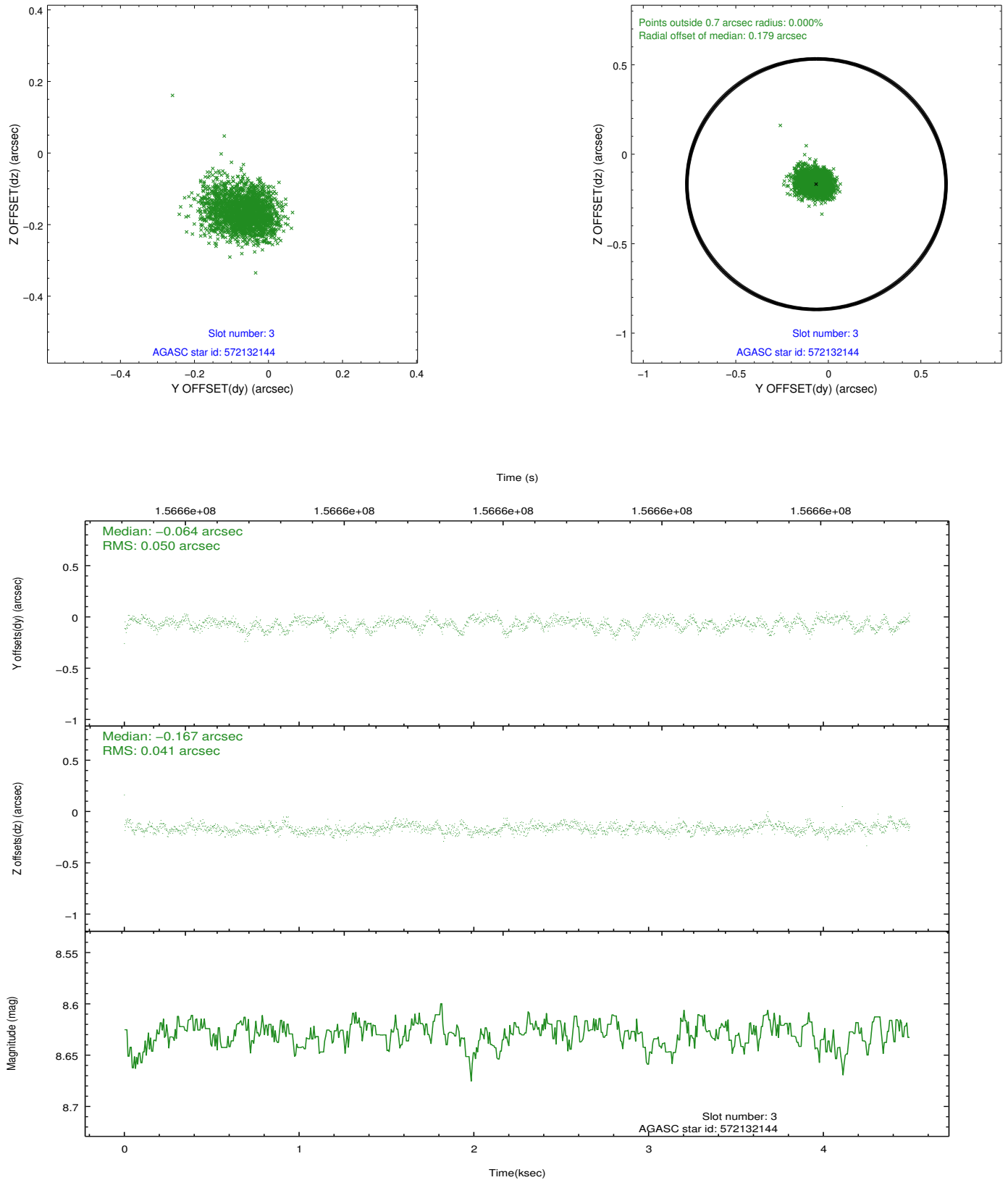


Slot Statistics

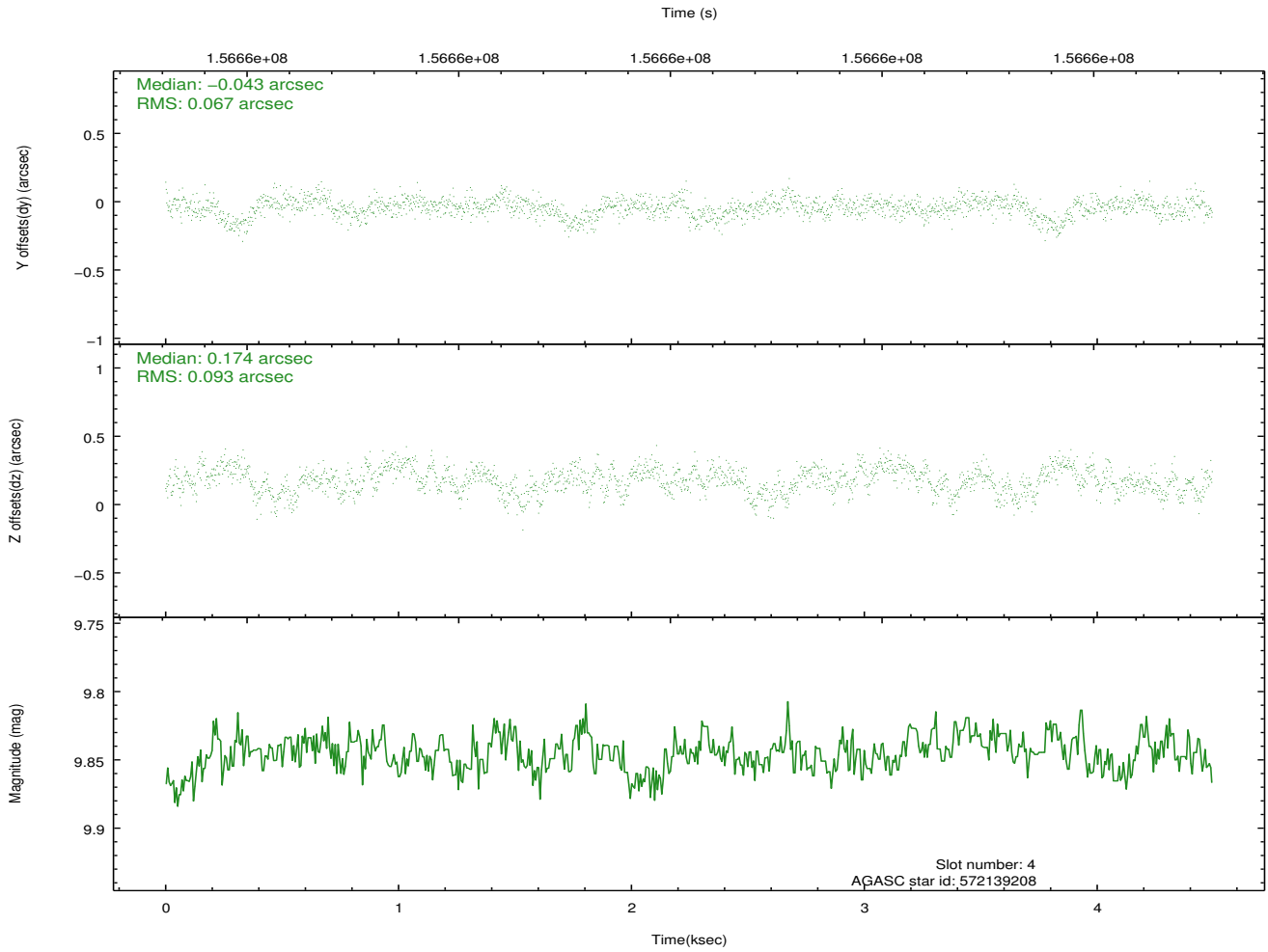
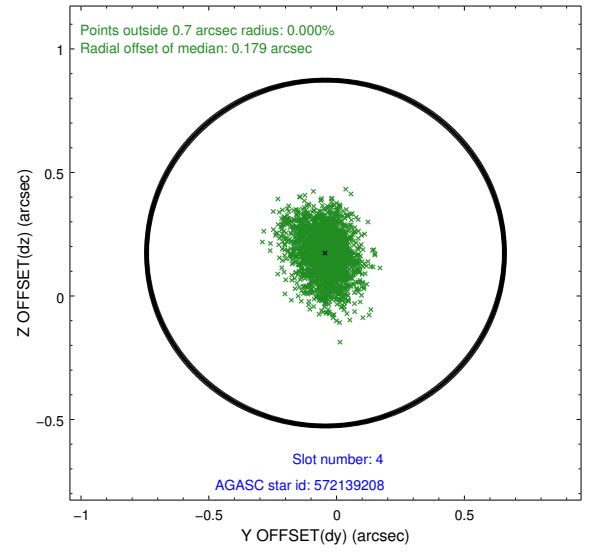
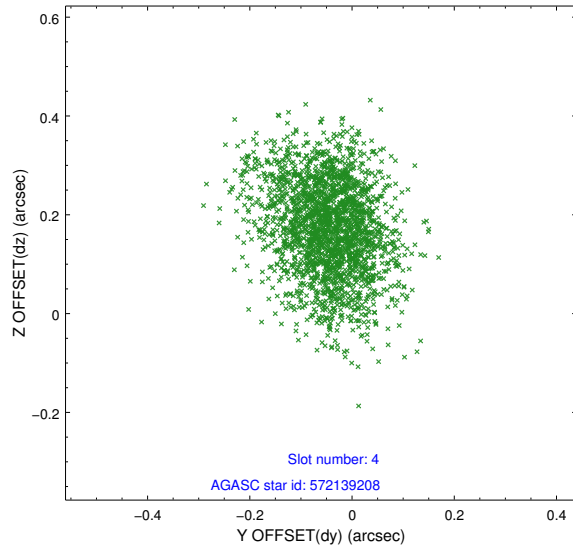
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1096	-0.012	-0.009	0.007	0.012	0.000000	0.000000	-755.50	-1728.92
1	FID	ACIS-S-4	7.20	1096	-0.006	0.008	0.007	0.010	0.000000	0.000000	2157.18	178.14
2	FID	ACIS-S-5	7.24	1097	-0.012	0.010	0.007	0.013	0.000000	0.000000	-1806.56	173.40
3	GUIDE	572132144	8.63	2191	-0.064	-0.167	0.068	0.113	115.031091	69.591791	1714.85	2162.88
4	GUIDE	572139208	9.85	2192	-0.043	0.174	0.121	0.198	118.996381	70.018175	-1265.81	-2047.94
5	GUIDE	571607744	7.45	2193	-0.052	-0.023	0.079	0.122	116.770320	69.154552	-995.15	2121.45
6	GUIDE	571610224	9.28	2193	0.101	-0.093	0.125	0.198	117.649754	68.981524	-2271.12	1926.79
7	GUIDE	572141328	9.77	2186	0.065	0.103	0.099	0.162	117.032059	70.557439	1807.47	-2090.40

2.4 Star Slots

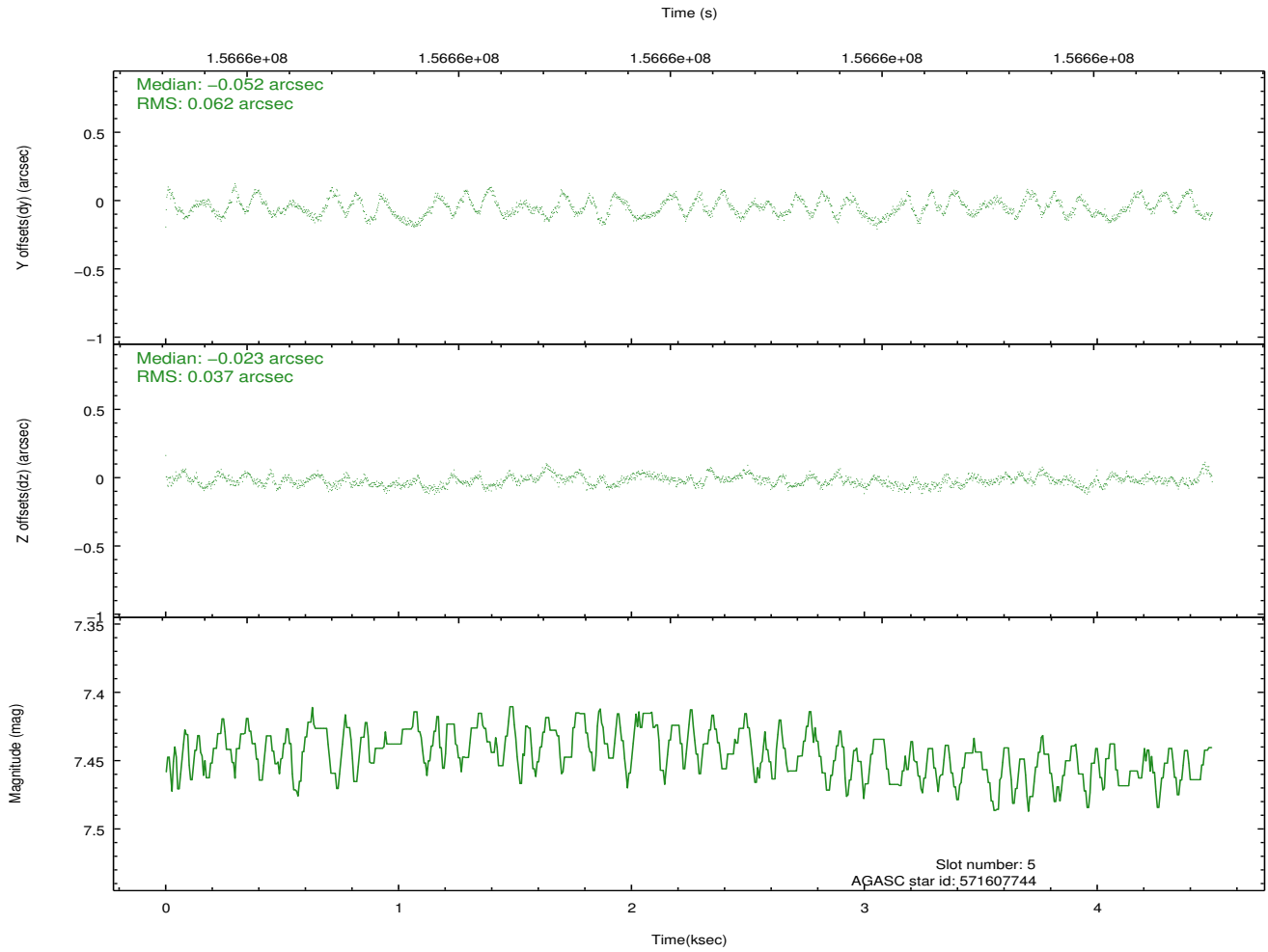
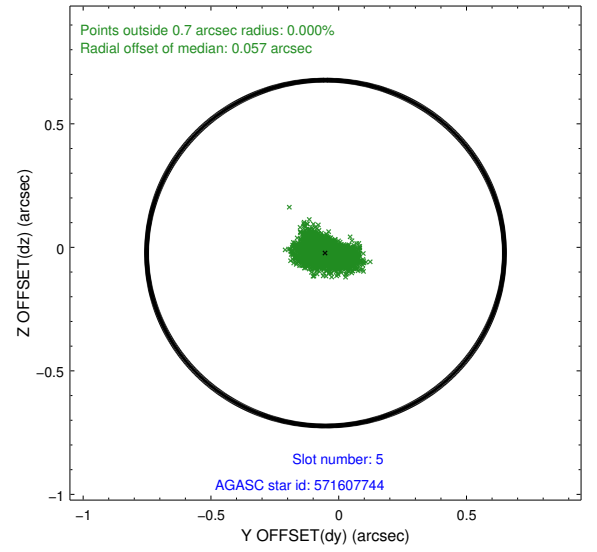
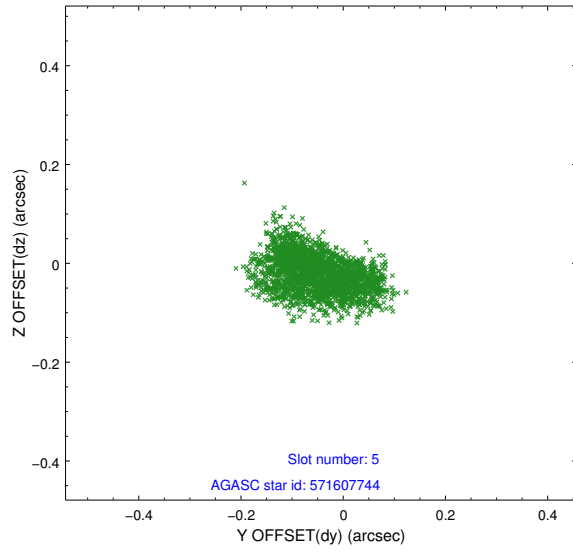
2.4.1 Slot 3



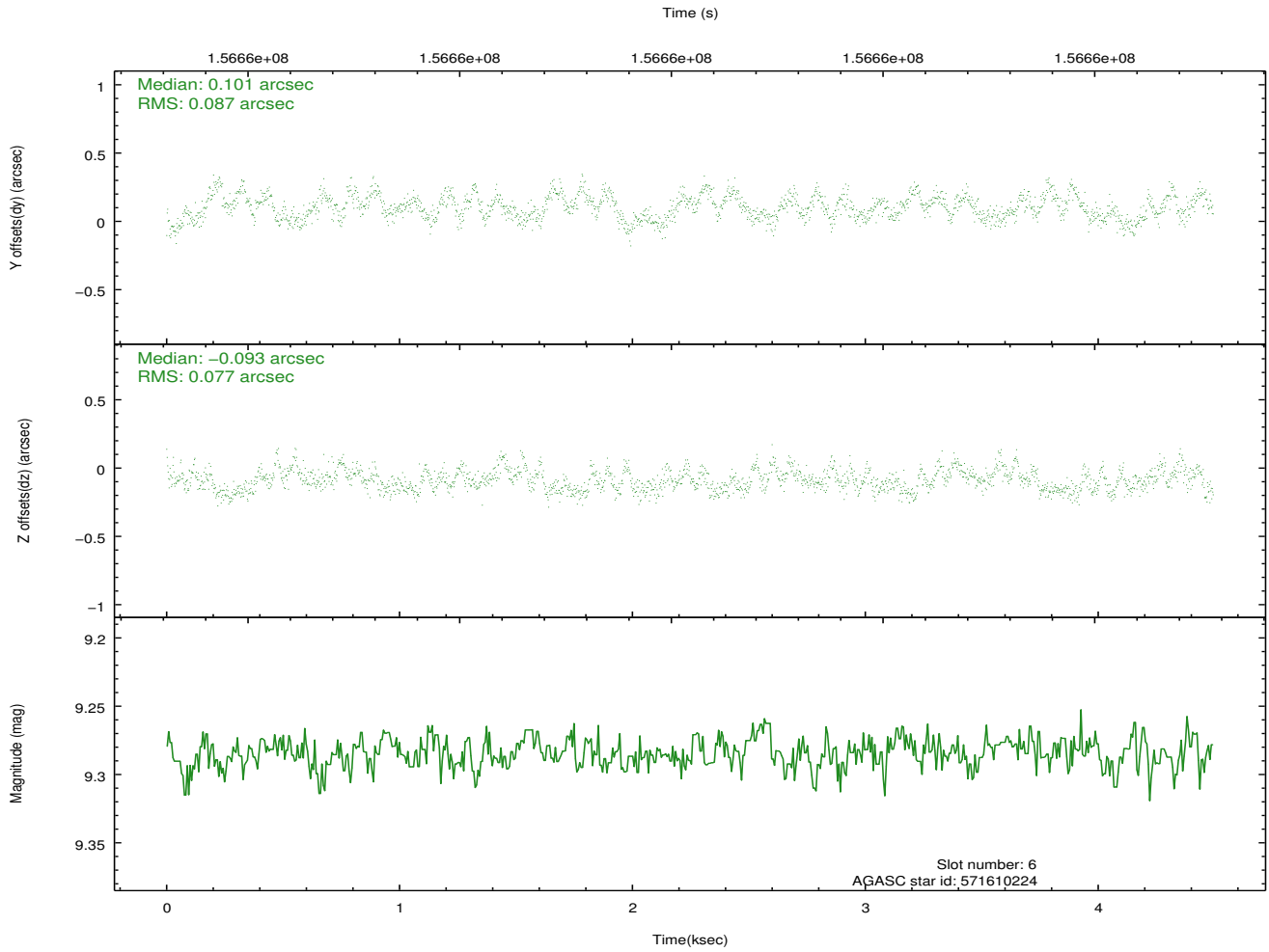
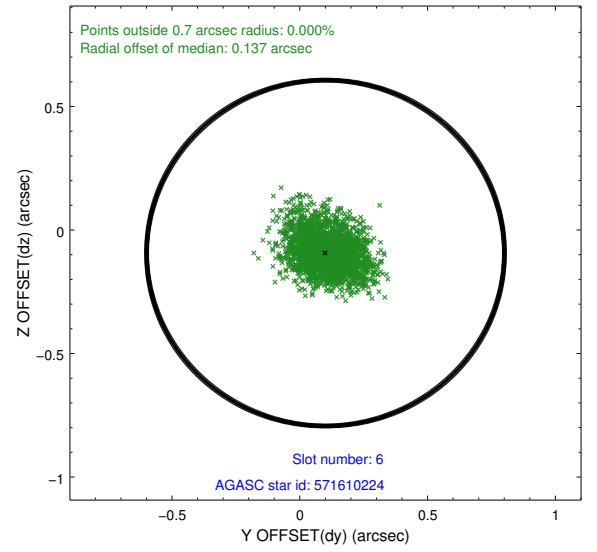
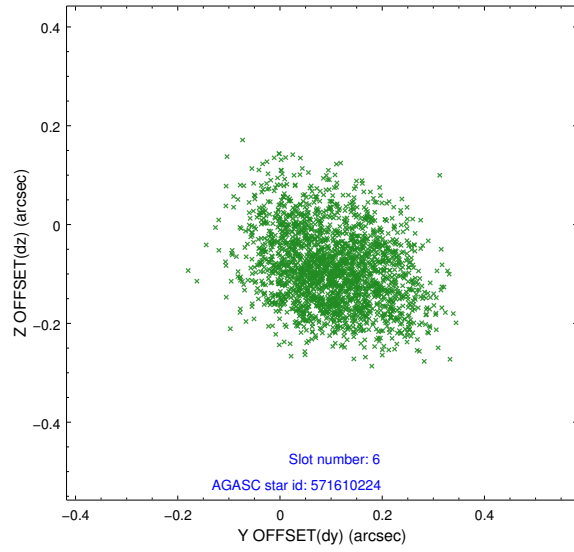
2.4.2 Slot 4



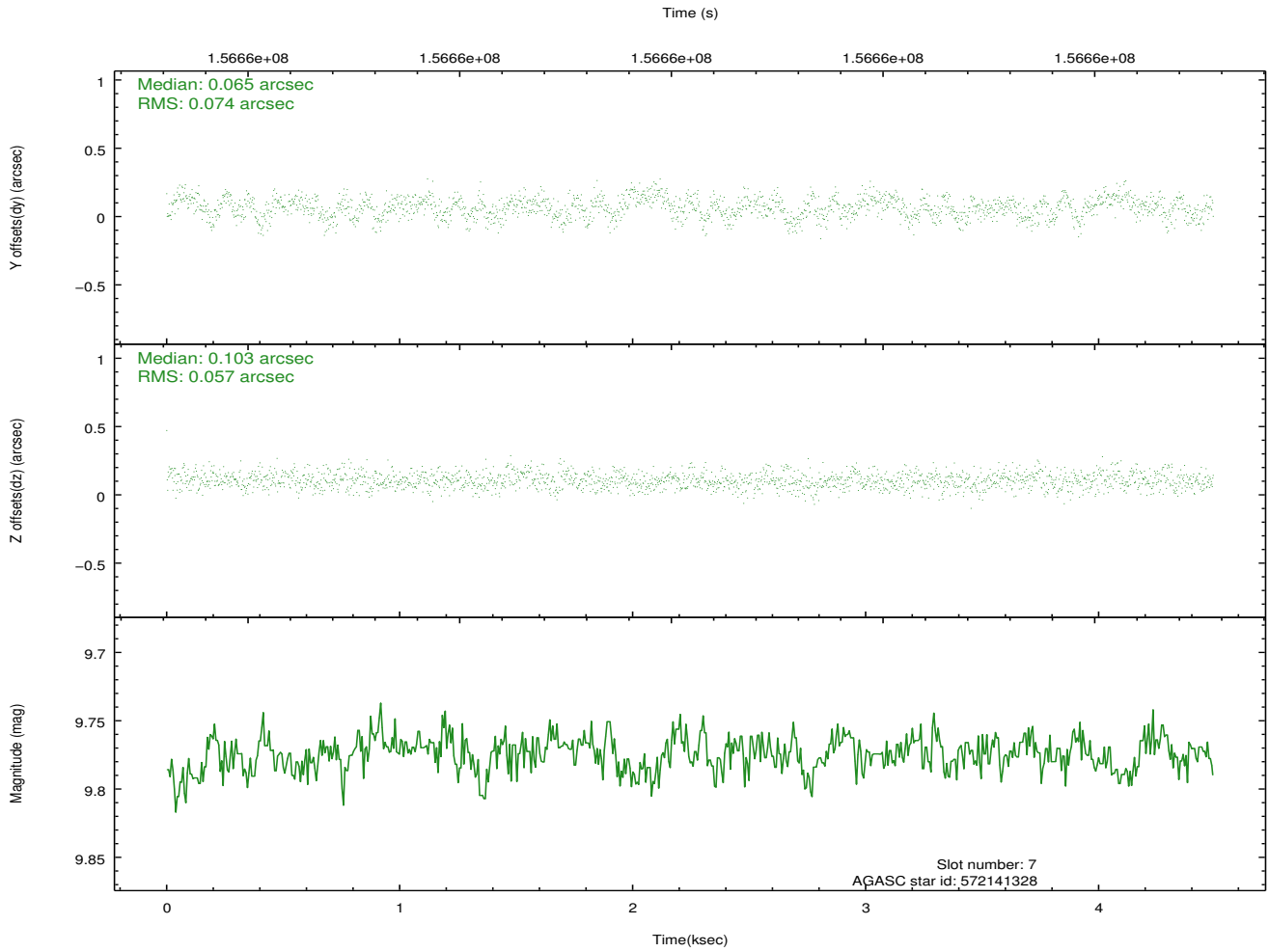
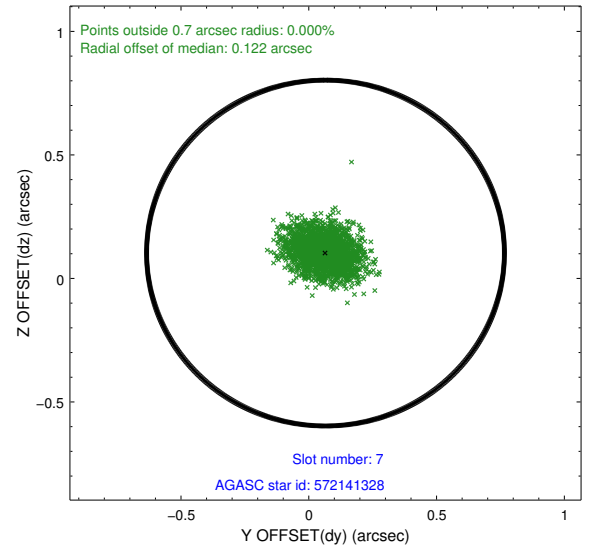
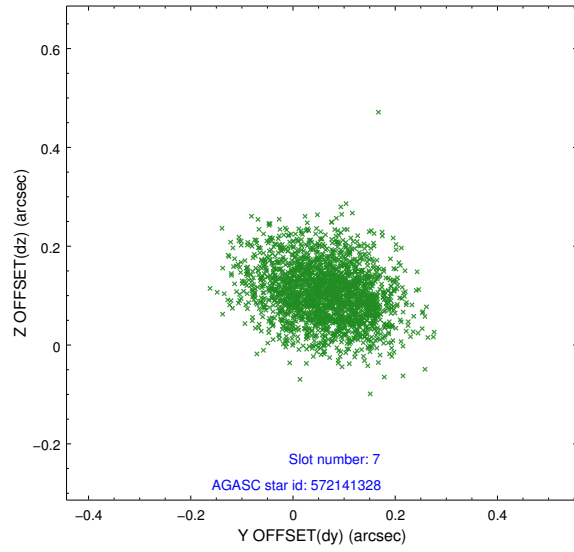
2.4.3 Slot 5



2.4.4 Slot 6

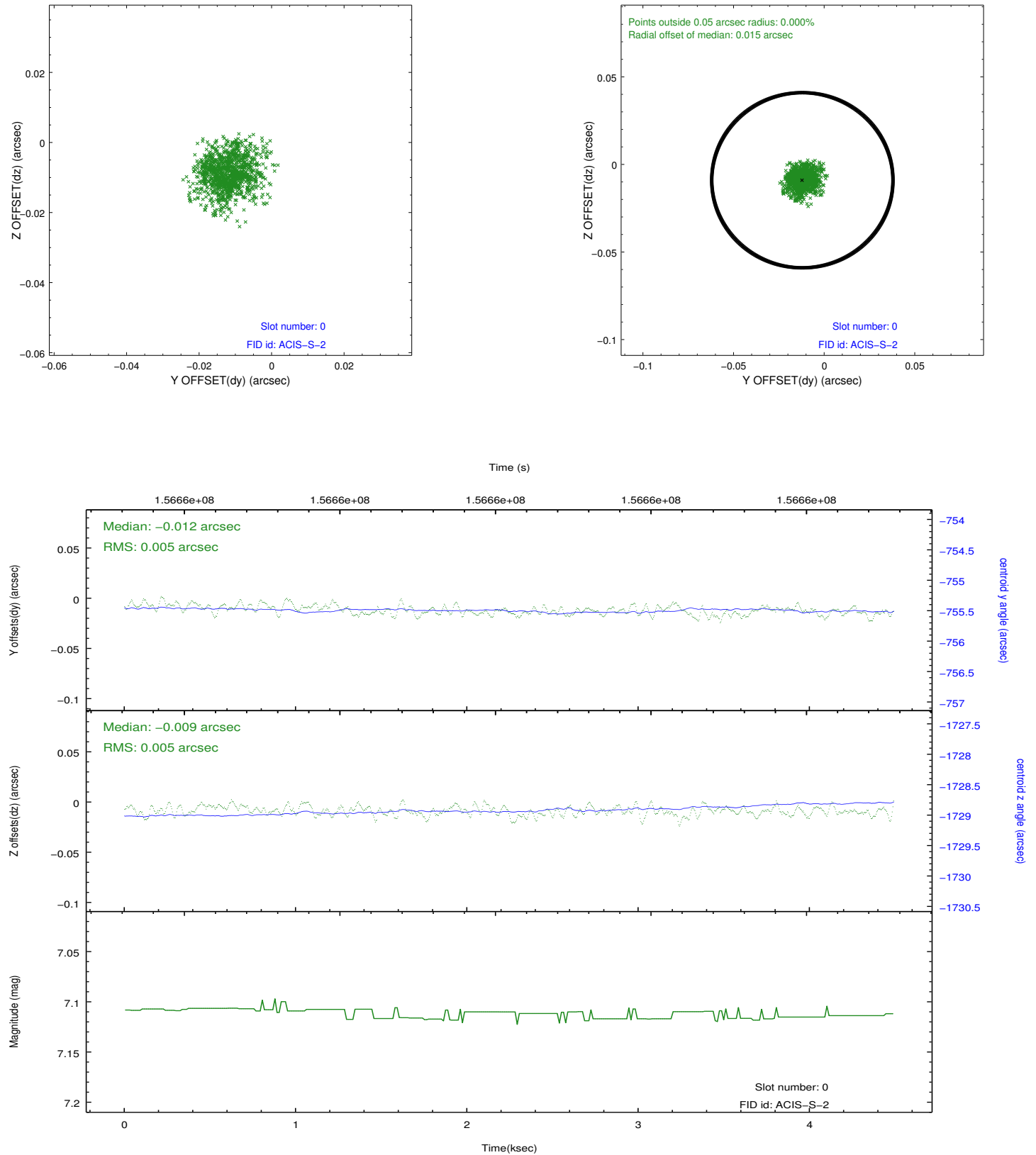


2.4.5 Slot 7

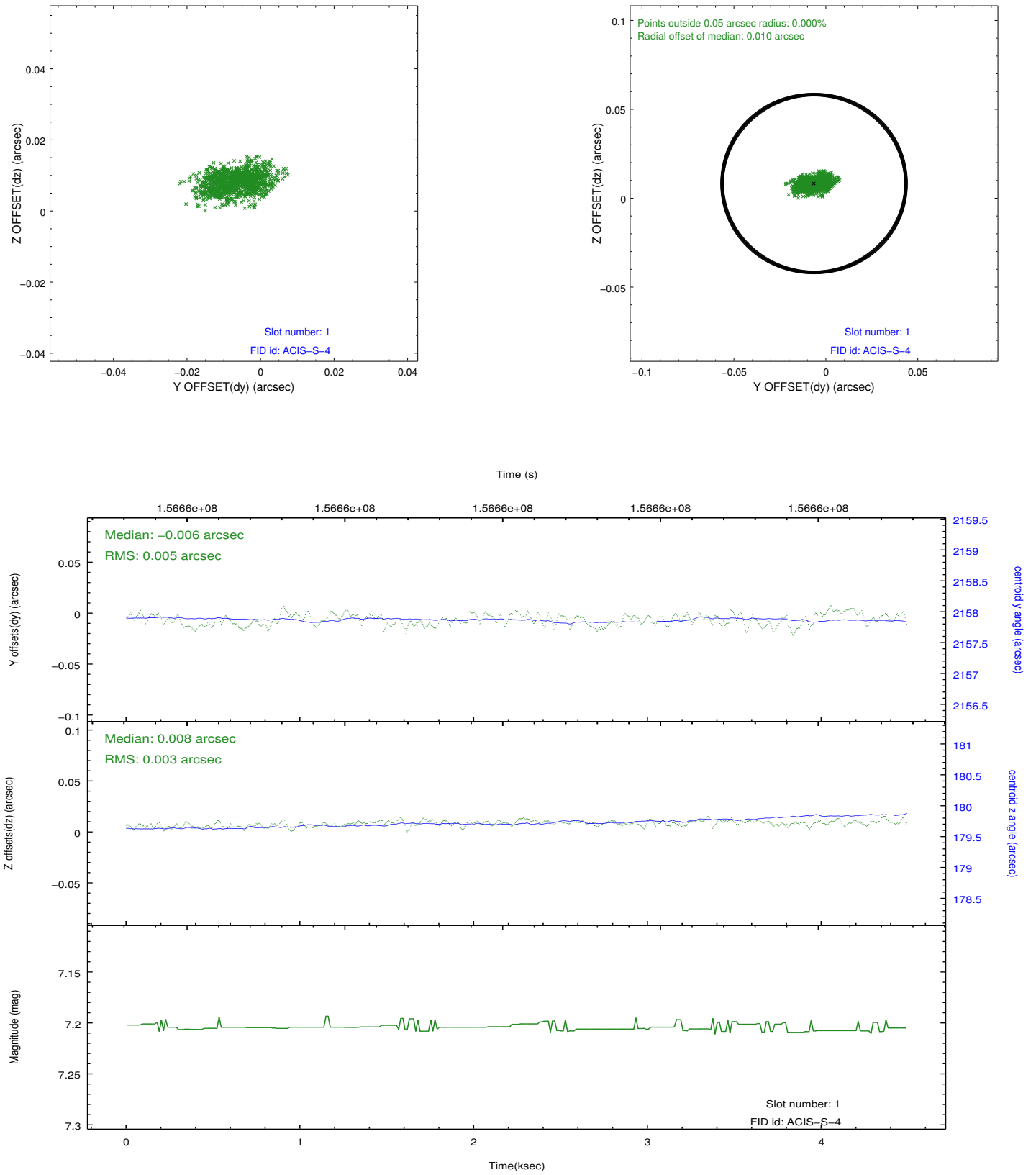


2.5 FID Slots

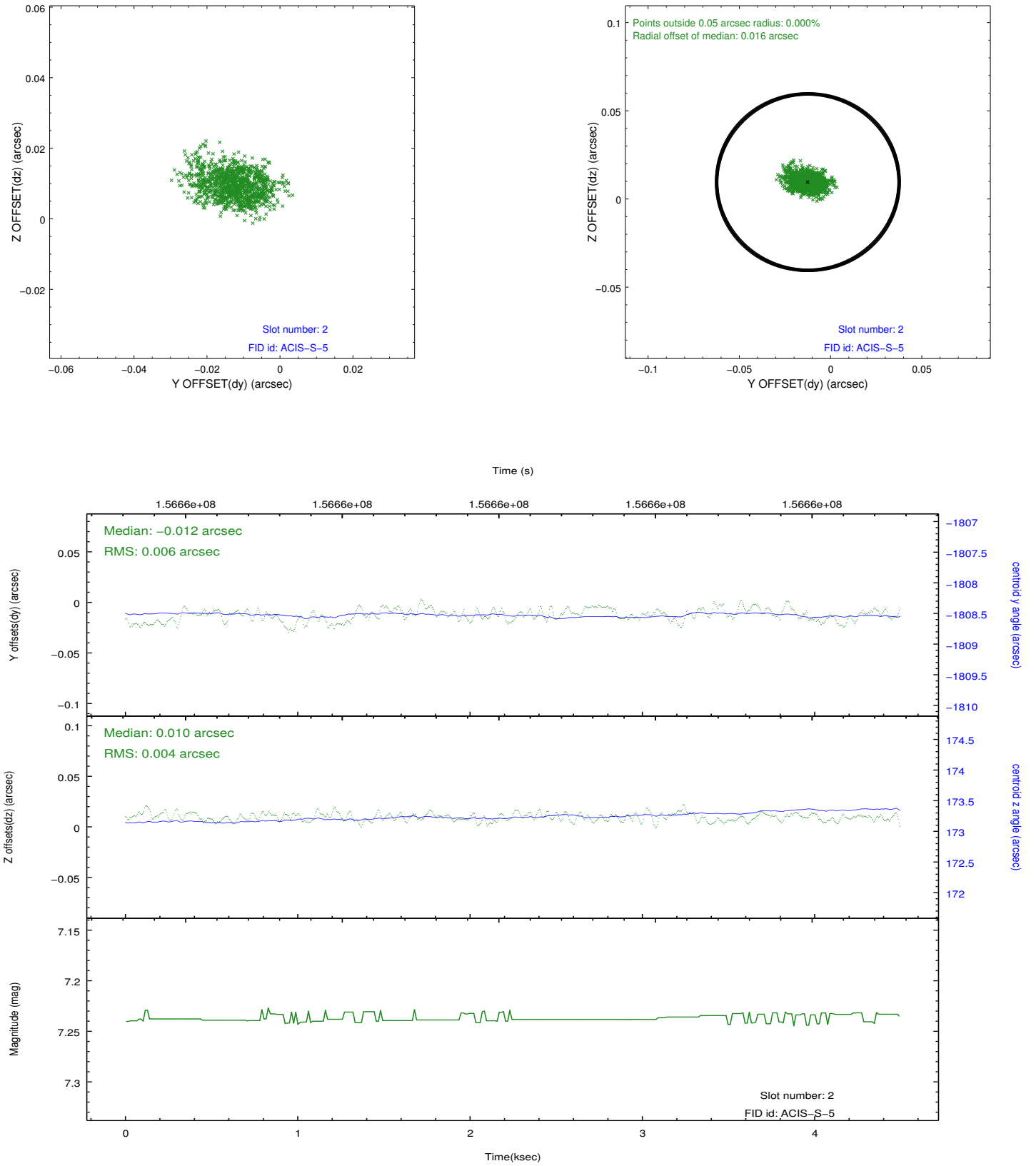
2.5.1 Slot 0



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)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.131

A.2 Comments