

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7848 - L2 Version 3
Chandra X-Ray Center

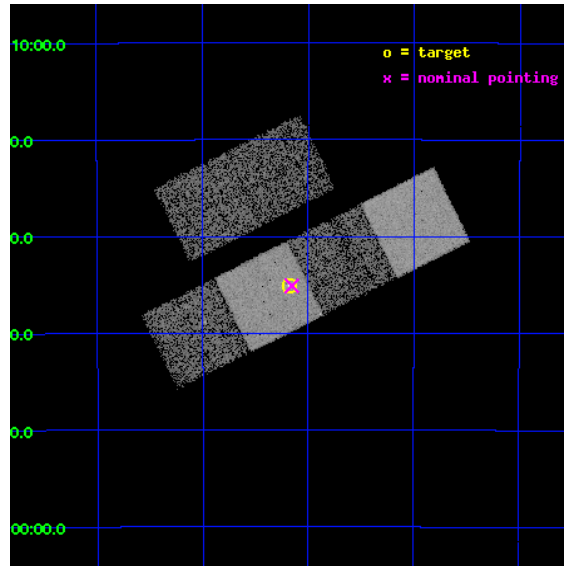
L2 Processing Date : Apr 22 2012

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1 Front

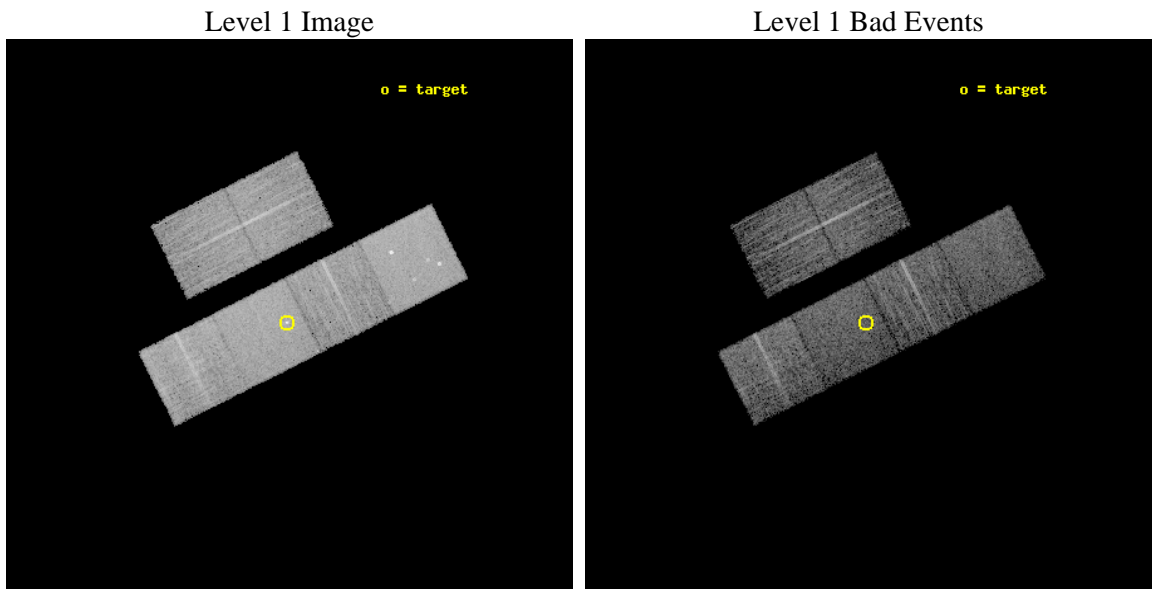
seq_num	701512	Sequence number
obs_id	7848	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	NGC 7552	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	349.045	Observer's specified target RA [deg]
dec_targ	-42.584833	Observer's specified target Dec [deg]
ra_nom	349.0385610907	Nominal RA [deg]
dec_nom	-42.585240132061	Nominal Dec [deg]
roll_nom	153.4427321661	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5145.5999808908	Sum of GTIs [s]
livetime	5080.4432956244	Livetime [s]
ontime2	5145.5999808908	Sum of GTIs [s]
ontime3	5142.3589807153	Sum of GTIs [s]
ontime5	5145.5999808908	Sum of GTIs [s]
ontime6	5142.3590006232	Sum of GTIs [s]
ontime7	5145.5999808908	Sum of GTIs [s]
ontime8	5145.5999808908	Sum of GTIs [s]
l2events	79893	Number of level 2 events



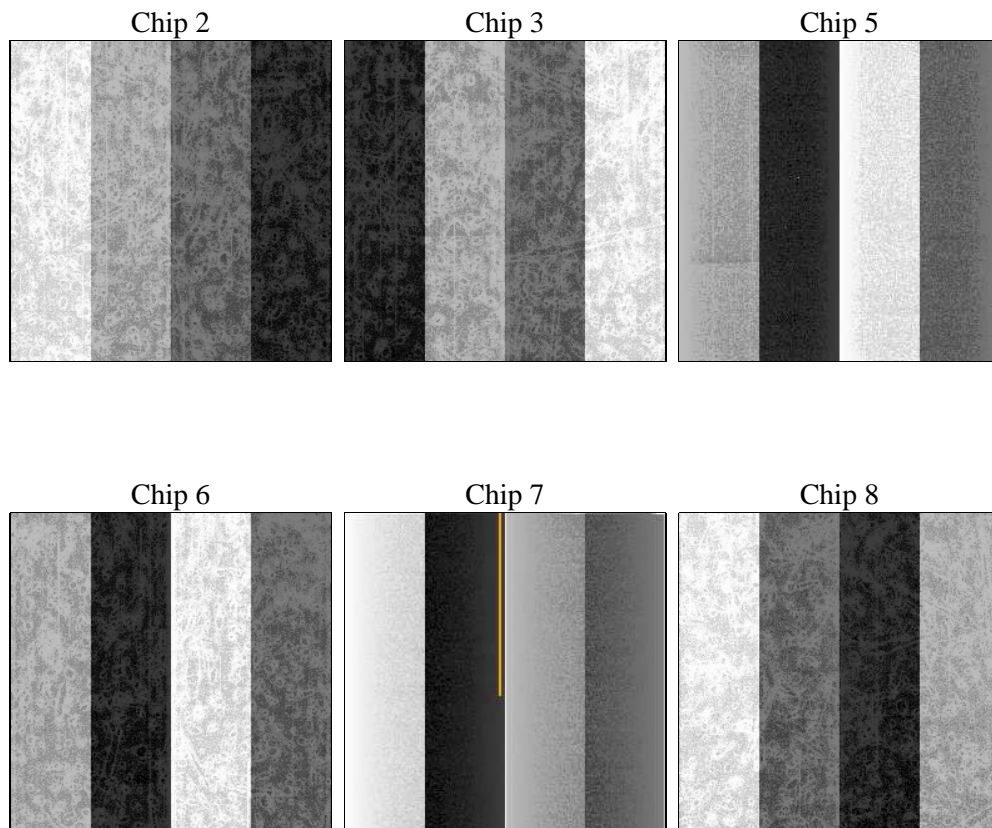
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5145.5999808908	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5145.5999808908	Sum of GTIs [s]
date	2012-04-22T05:36:10	Date and time of file creation	ontime3	5142.3589807153	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5145.5999808908	Sum of GTIs [s]
			ontime6	5142.3590006232	Sum of GTIs [s]
			ontime7	5145.5999808908	Sum of GTIs [s]
			ontime8	5145.5999808908	Sum of GTIs [s]
			l1events	367135	Number of level 1 events

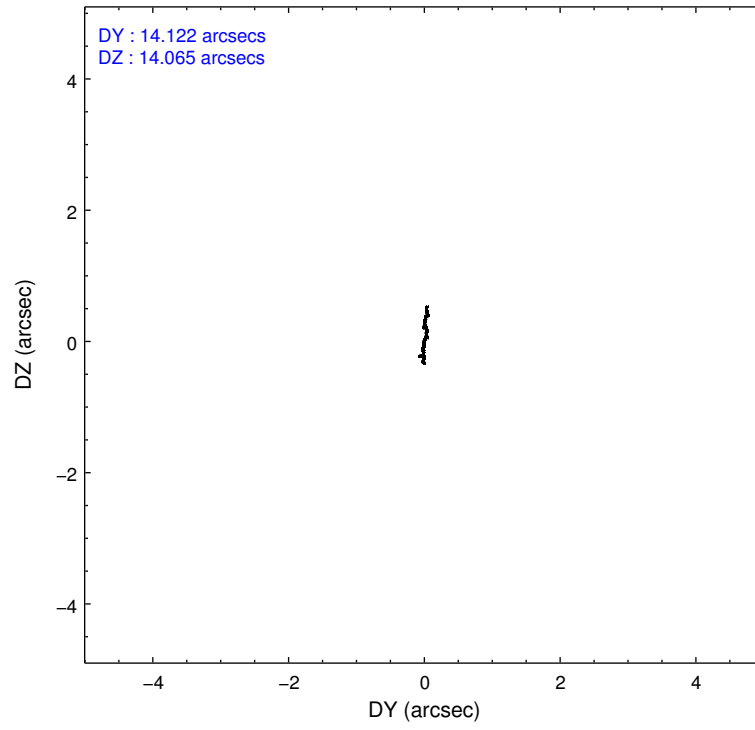
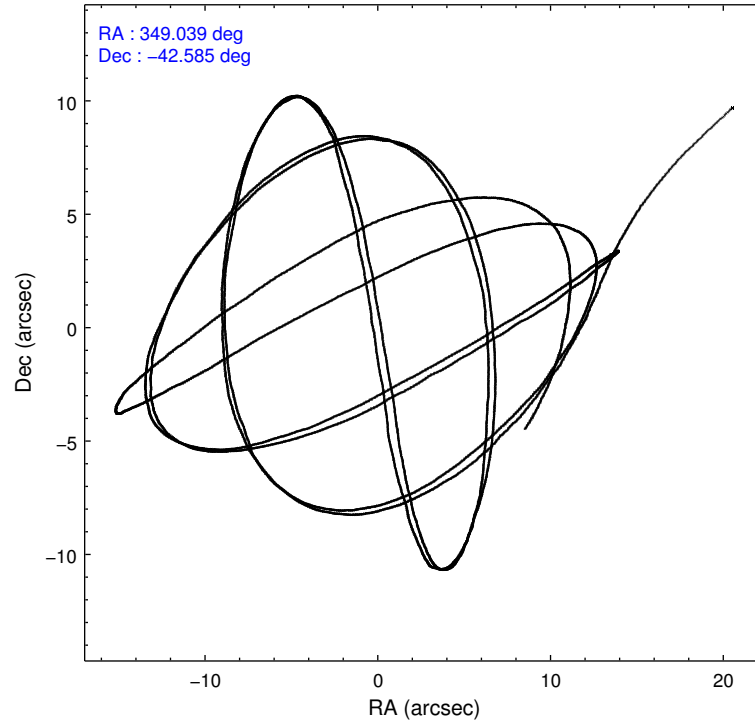
2.1.4 Events

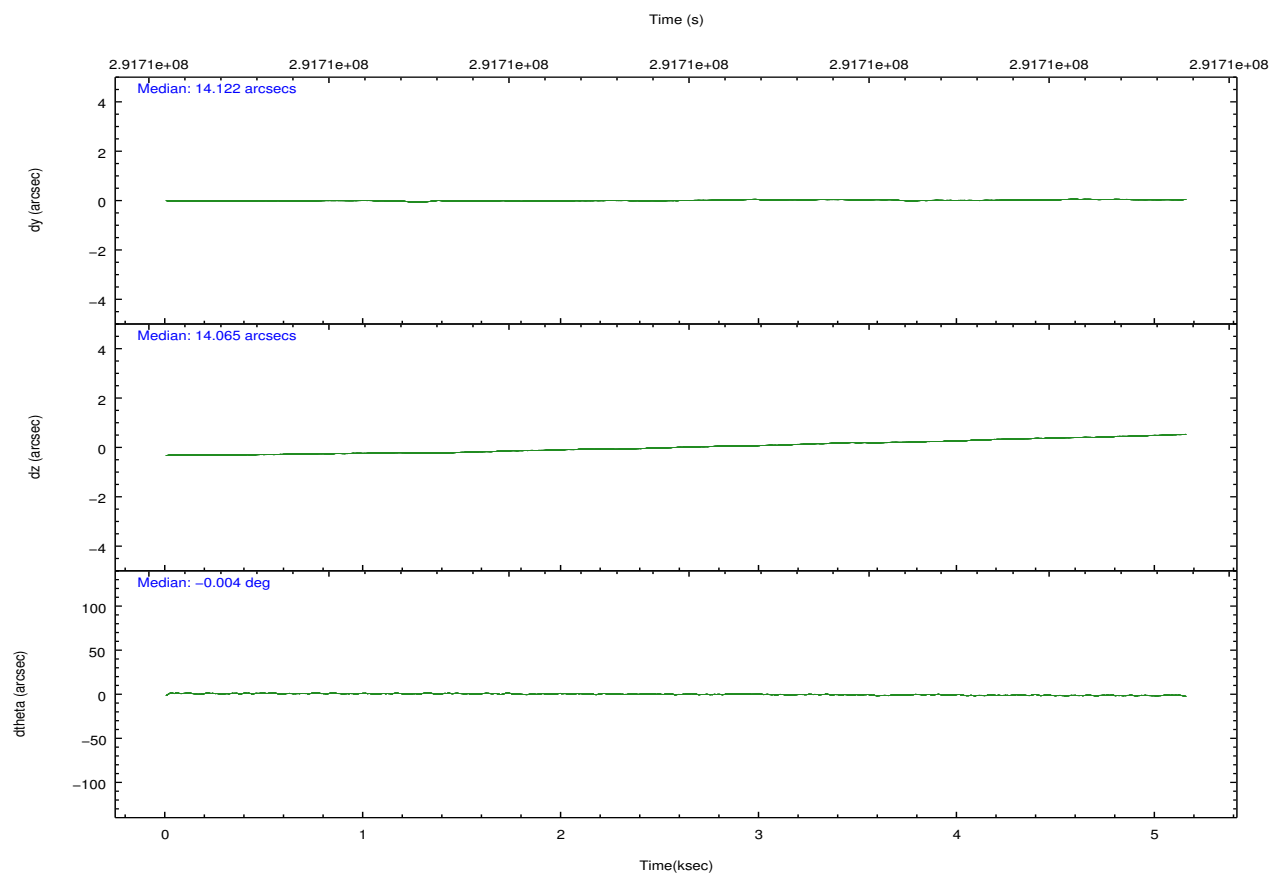
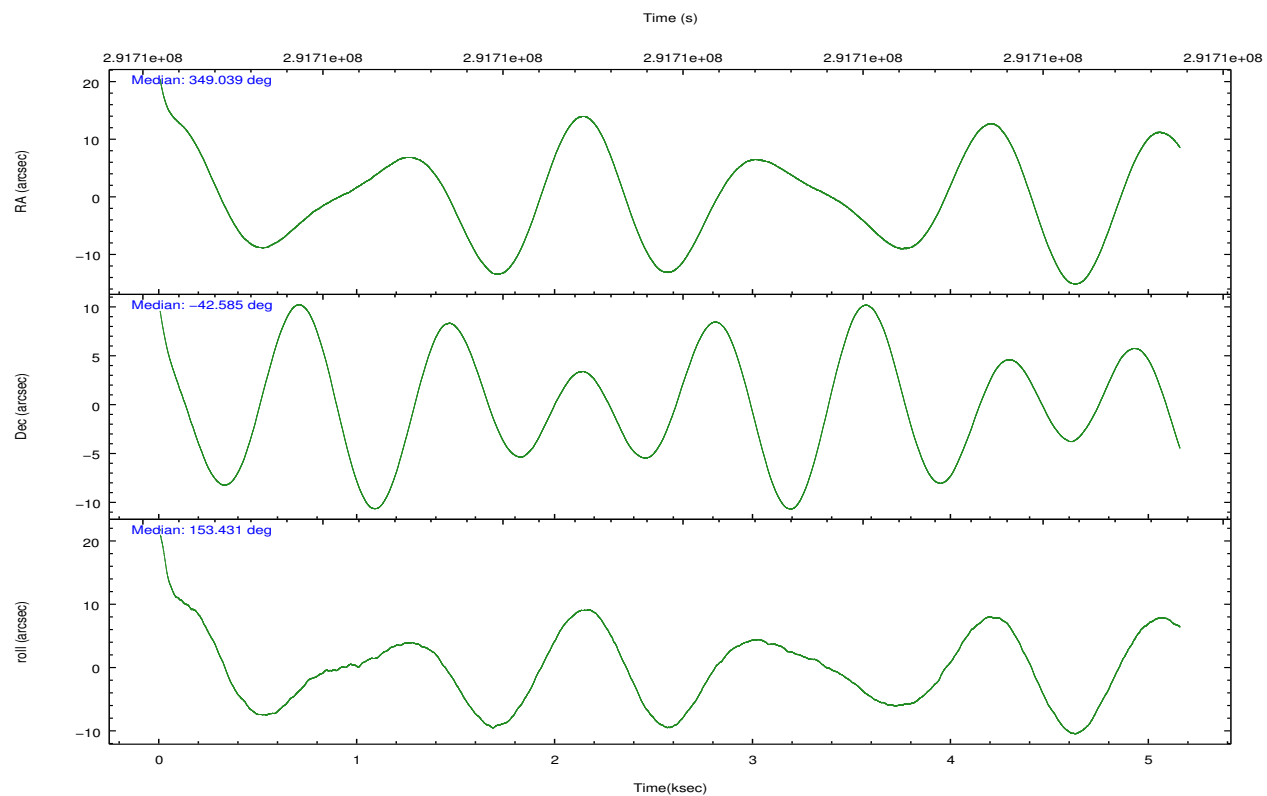
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	52779	49131	78572	51422	69920	65311	grade 0 events	2500	2625	4385	2448	2809	4730
rejected events	47254	43440	43821	45590	41597	51161		4%	5%	5%	4%	4%	7%
rejected %	89%	88%	55%	88%	59%	78%	grade 1 events	34	28	111	34	50	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	1264	1147	10947	1281	6064	3410
								2%	2%	13%	2%	8%	5%
							grade 3 events	537	550	1221	575	2574	1457
								1%	1%	1%	1%	3%	2%
							grade 4 events	533	582	1158	586	2568	1343
								1%	1%	1%	1%	3%	2%
							grade 5 events	1998	2257	5403	2368	6497	3051
								3%	4%	6%	4%	9%	4%
							grade 6 events	987	1031	18876	1232	15672	4013
								1%	2%	24%	2%	22%	6%
							grade 7 events	44926	40911	36471	42898	33686	47258
								85%	83%	46%	83%	48%	72%

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	349.075476	349.0385610907042	Subarray requested	NONE	NONE
[deg] Pointing Dec	-42.583241	-42.58524013206107	Alternating exposures requested	N	N
[deg] Pointing Roll	153.311074	153.4427321660969	[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)	291708512.184000	291707328.43375			
Observation start date	2007-03-31T06:07:27	2007-03-31T05:48:48			
[s] Observation end time (MET)	291713512.184000	291714222.07158			
Observation end date	2007-03-31T07:30:47	2007-03-31T07:43:42			
Read mode	TIMED	TIMED			

2.3 Aspect



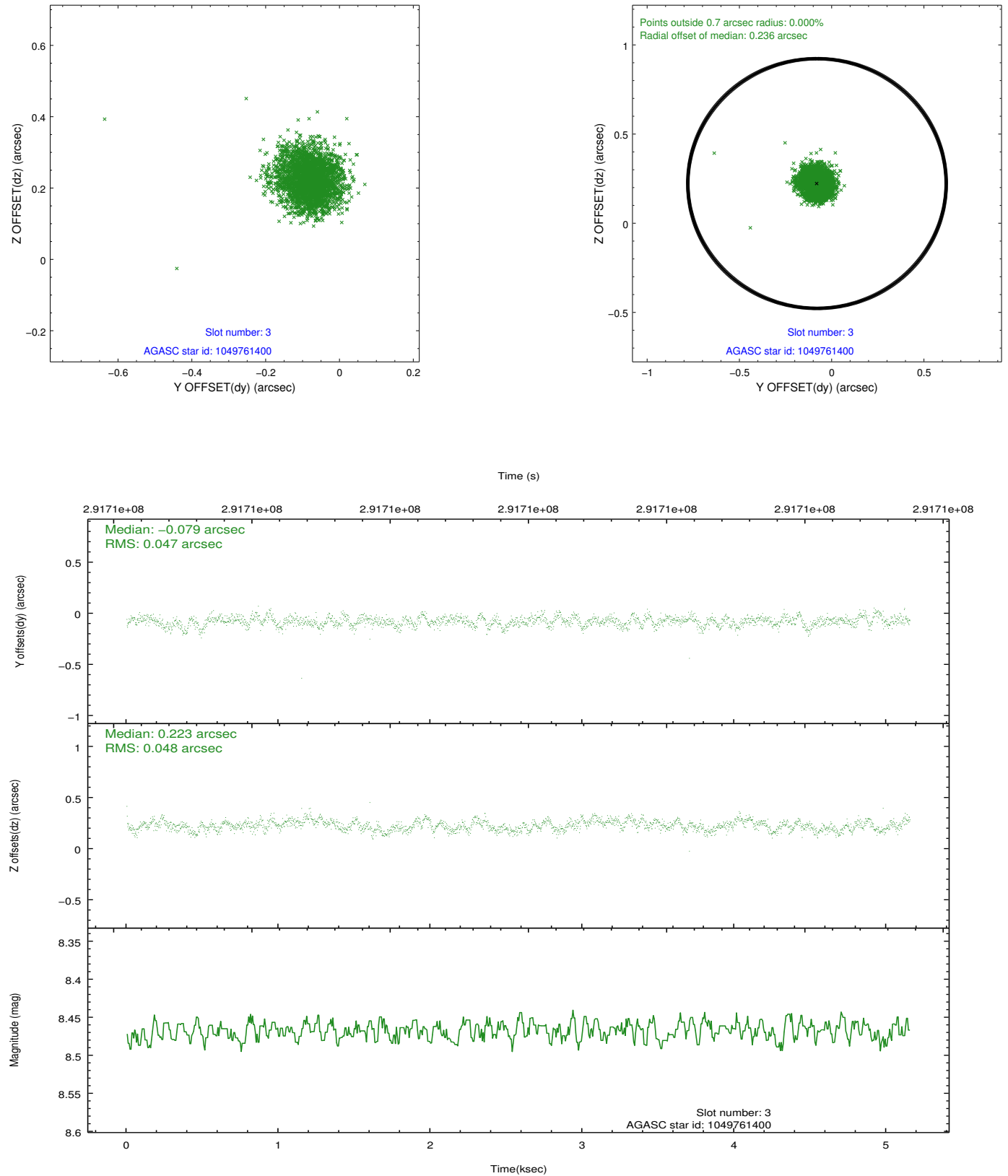


Slot Statistics

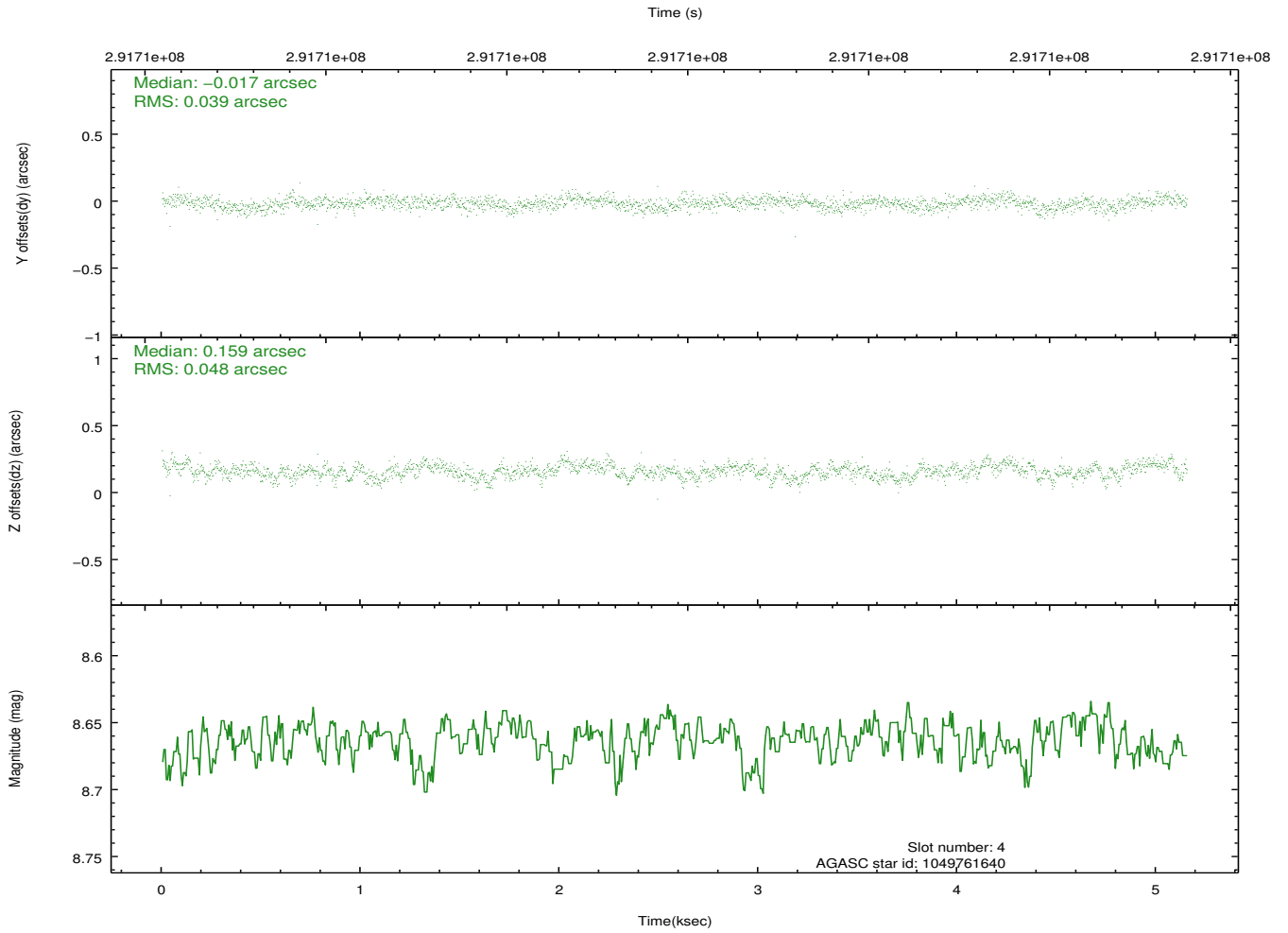
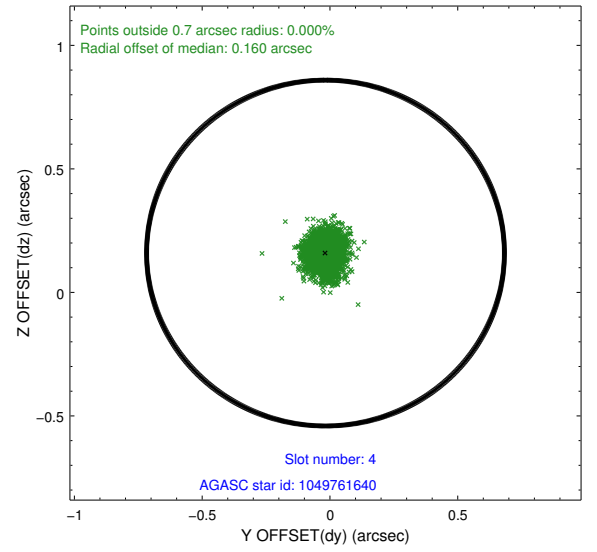
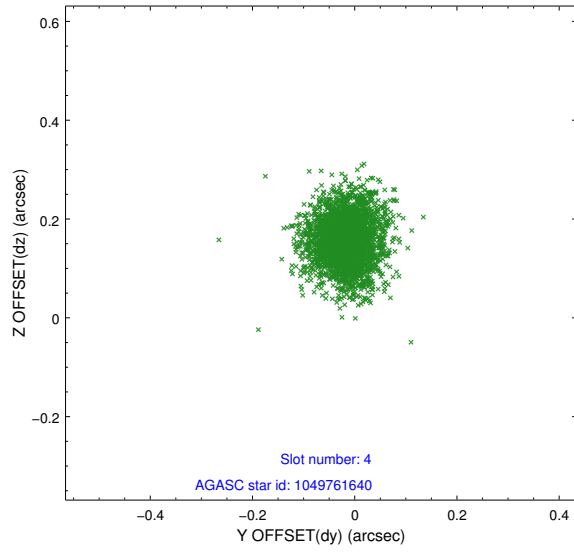
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1257	-0.064	-0.057	0.011	0.018	0.000000	0.000000	-767.14	-1735.45
1	FID	ACIS-S-4	7.20	1257	0.200	0.047	0.008	0.015	0.000000	0.000000	2145.86	171.91
2	FID	ACIS-S-5	7.22	1257	-0.167	0.020	0.010	0.016	0.000000	0.000000	-1818.58	166.89
3	GUIDE	1049761400	8.47	2512	-0.079	0.223	0.070	0.111	348.802242	-41.955316	1669.19	-1689.27
4	GUIDE	1049761640	8.66	2515	-0.017	0.159	0.065	0.106	349.142415	-42.207499	449.48	-1288.81
5	GUIDE	1050149120	9.13	2512	0.081	-0.173	0.079	0.132	348.946168	-42.587694	299.53	168.27
6	GUIDE	1050149240	8.68	2514	-0.000	-0.106	0.067	0.107	348.341636	-42.784486	1403.48	1526.18
7	GUIDE	1050158072	9.09	2509	0.018	-0.102	0.079	0.130	348.738453	-42.733577	553.30	886.31

2.4 Star Slots

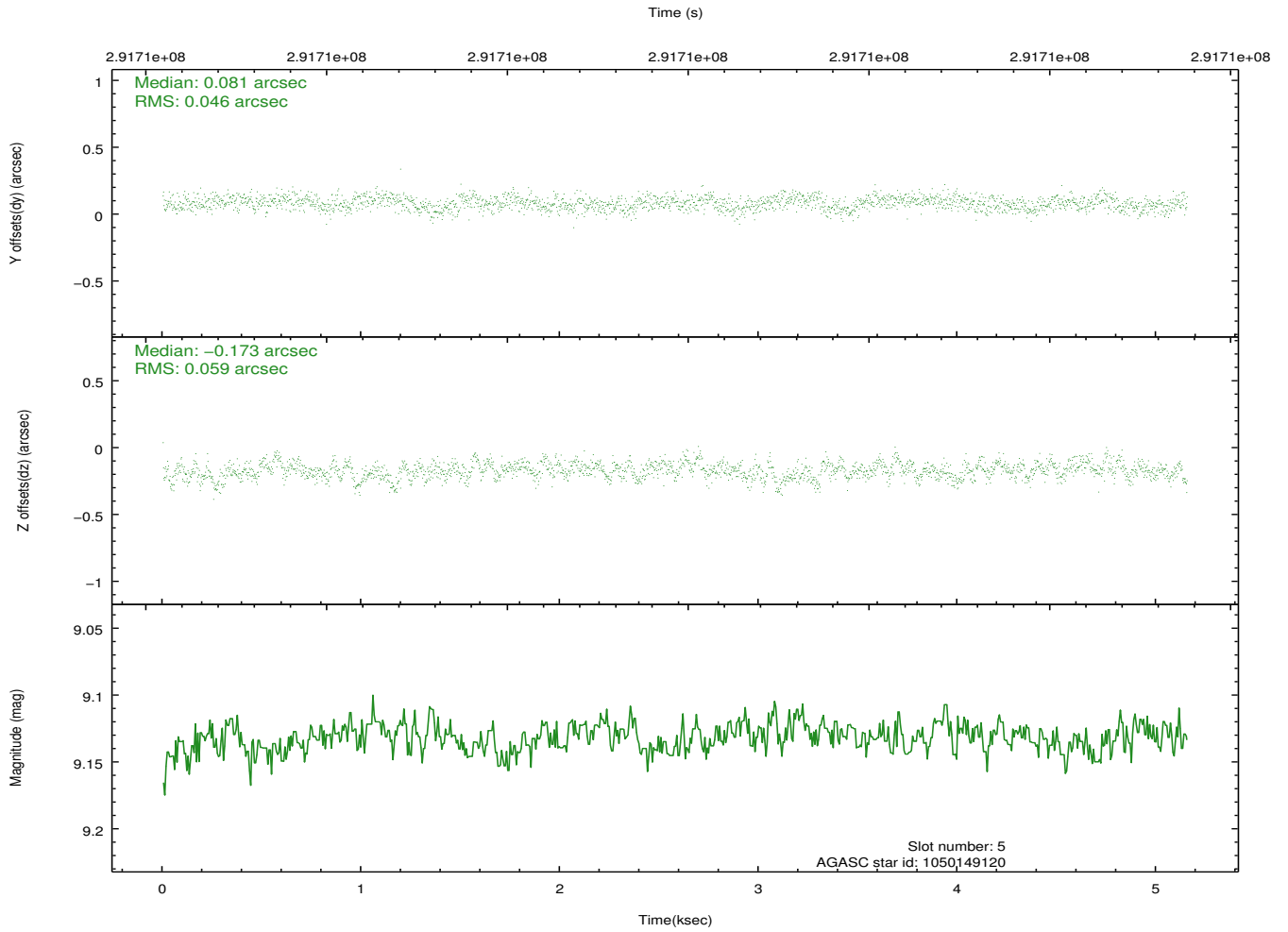
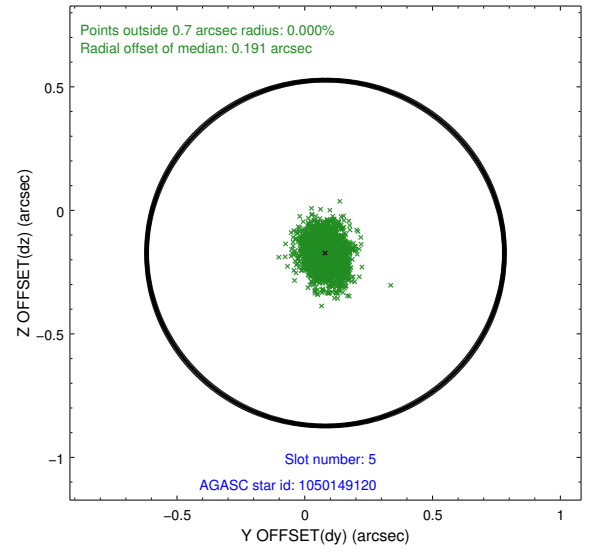
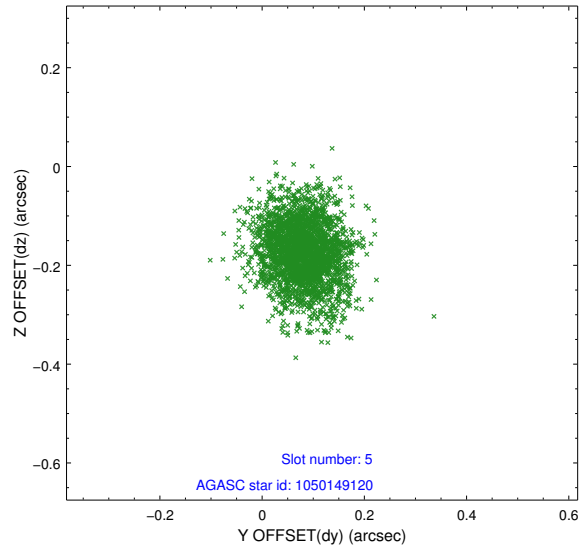
2.4.1 Slot 3



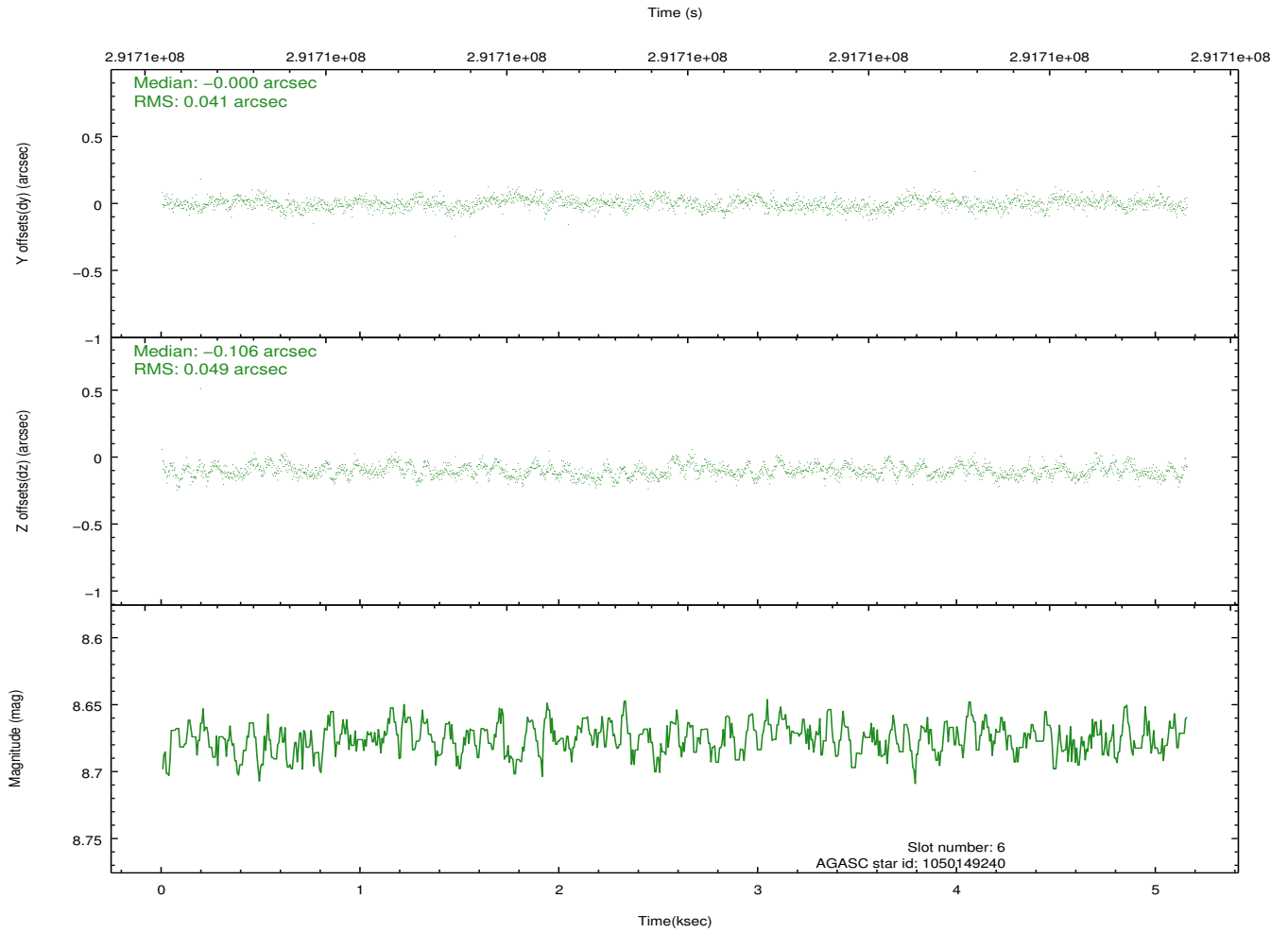
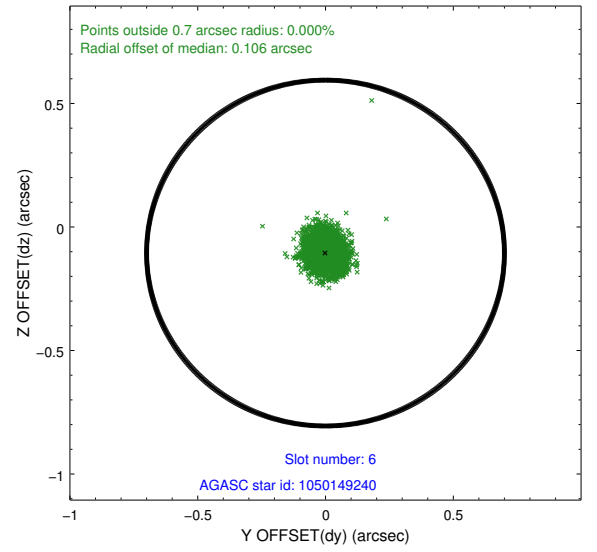
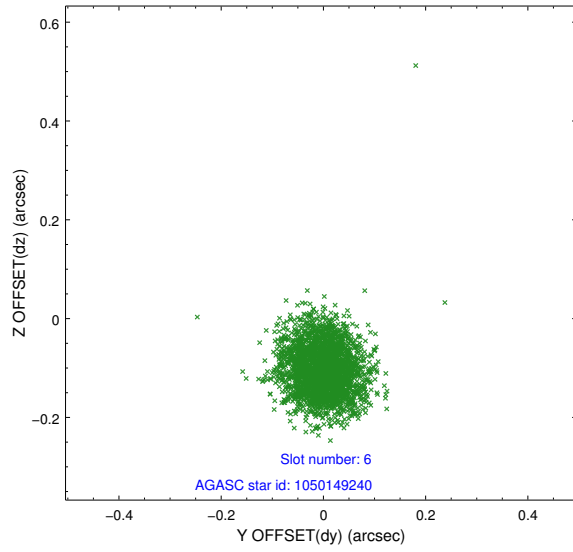
2.4.2 Slot 4



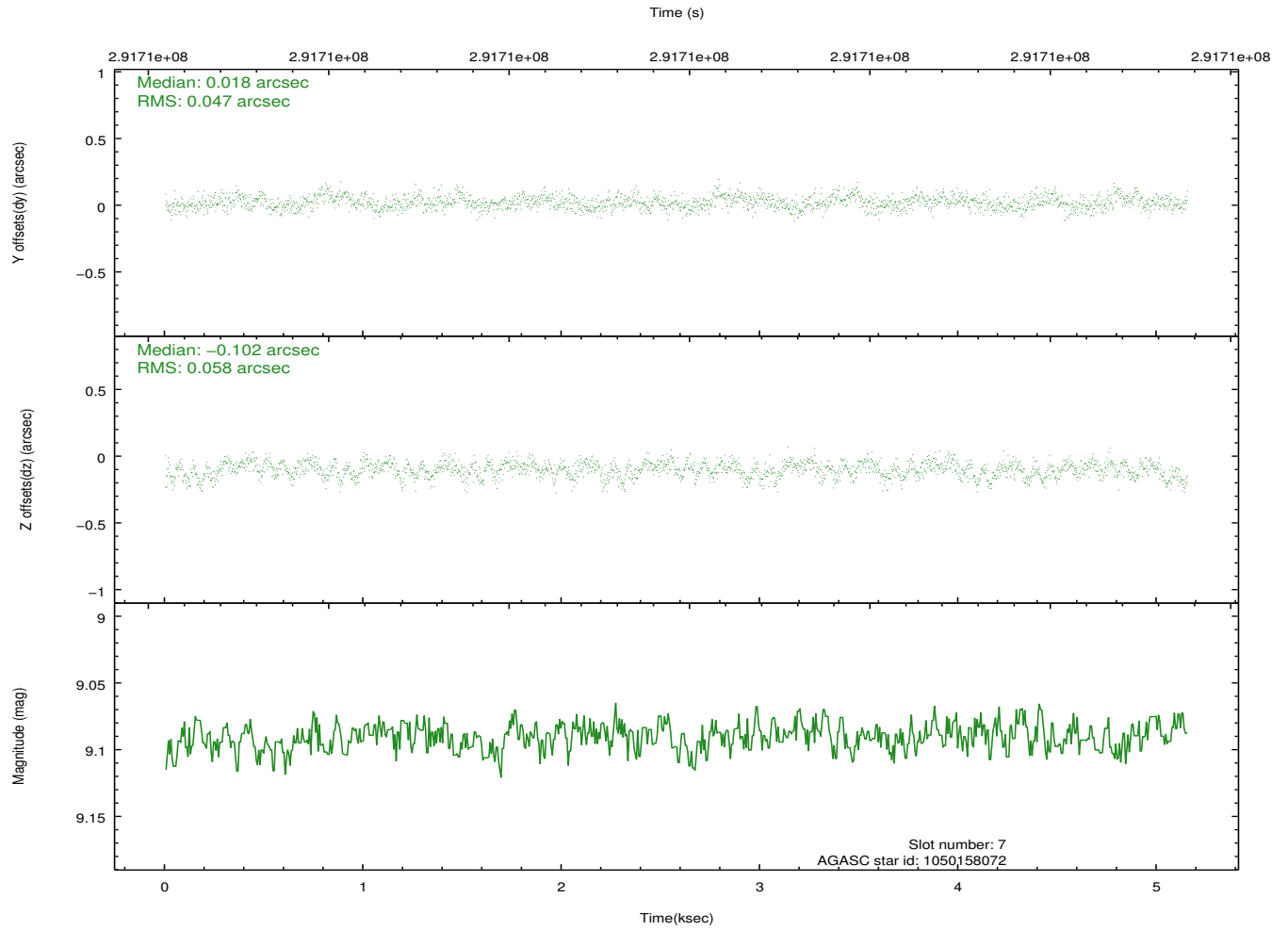
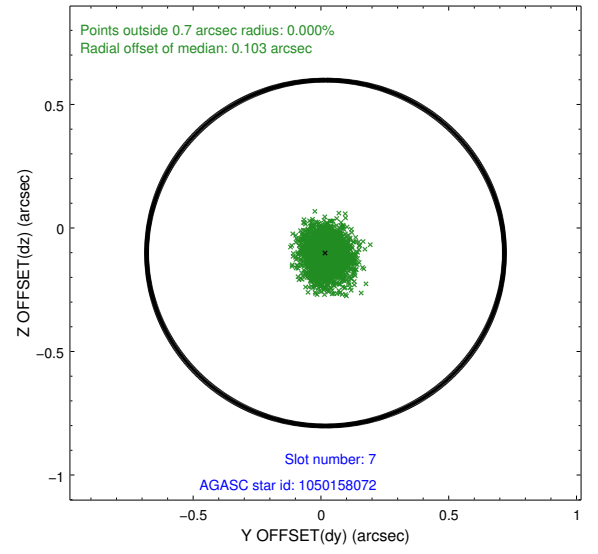
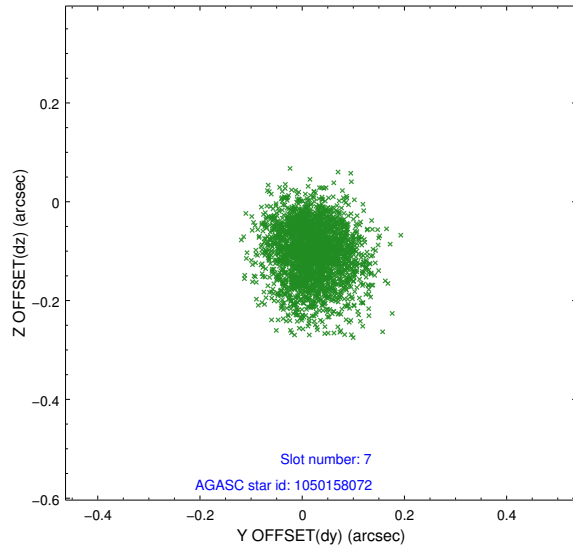
2.4.3 Slot 5



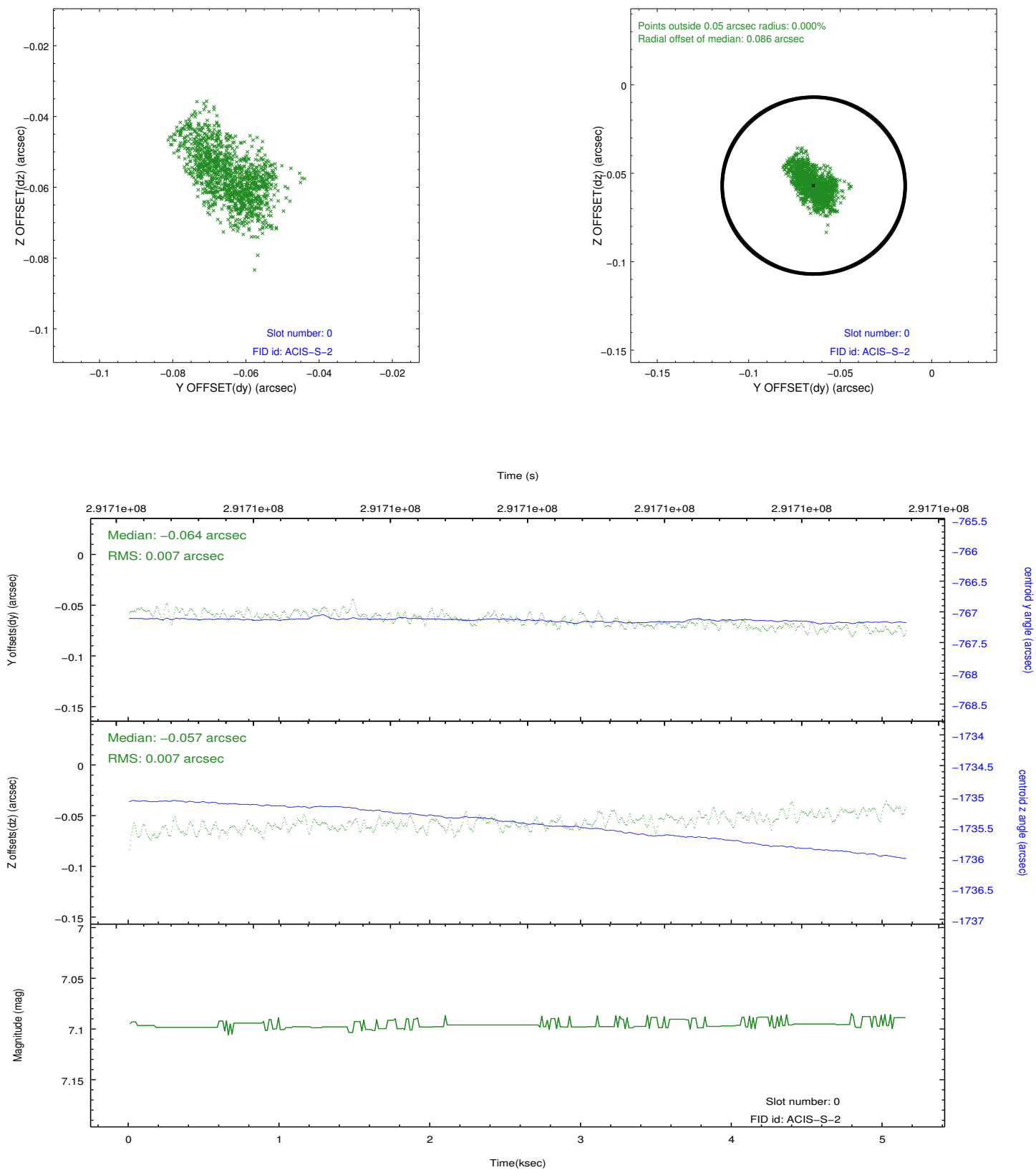
2.4.4 Slot 6



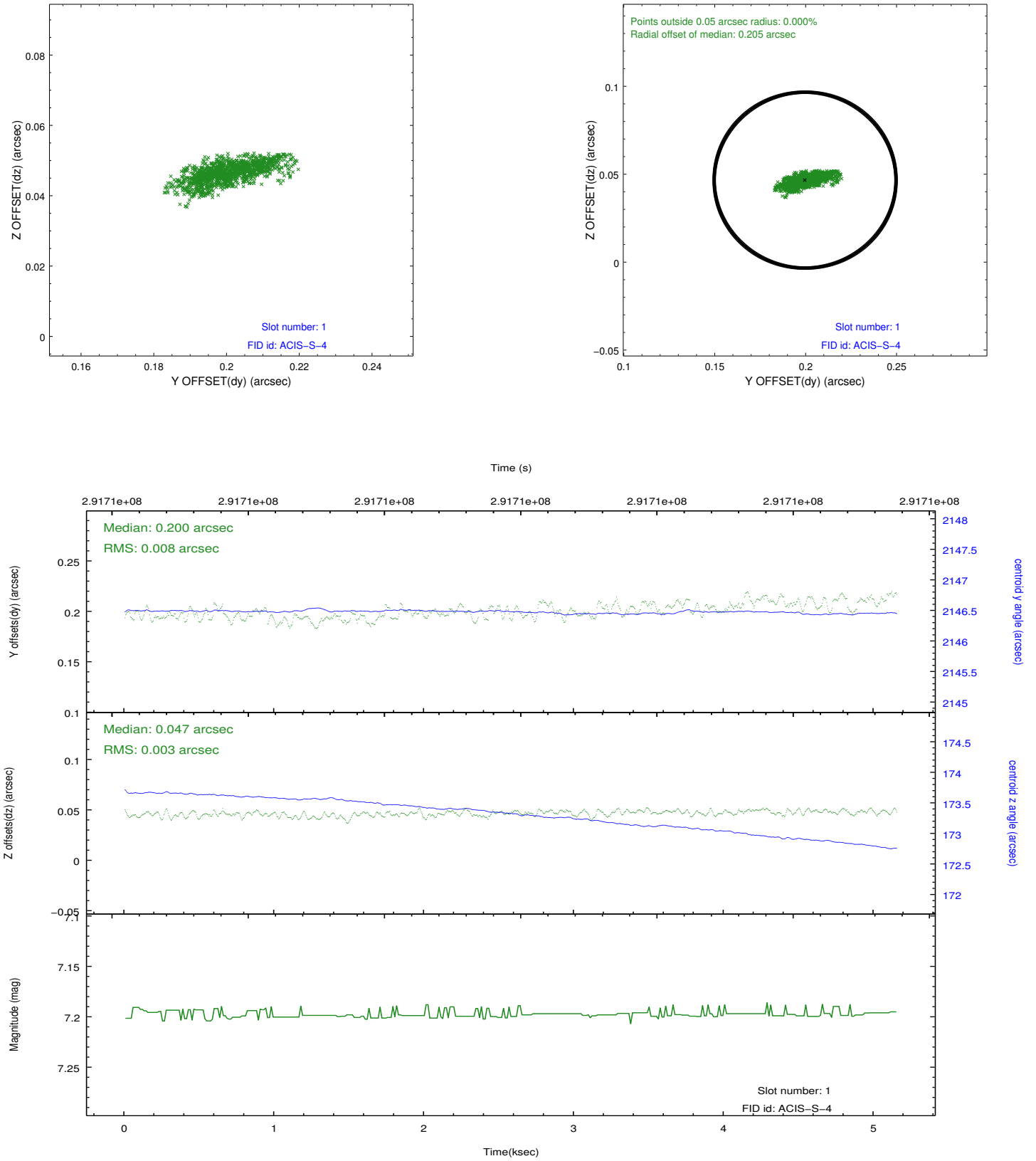
2.4.5 Slot 7



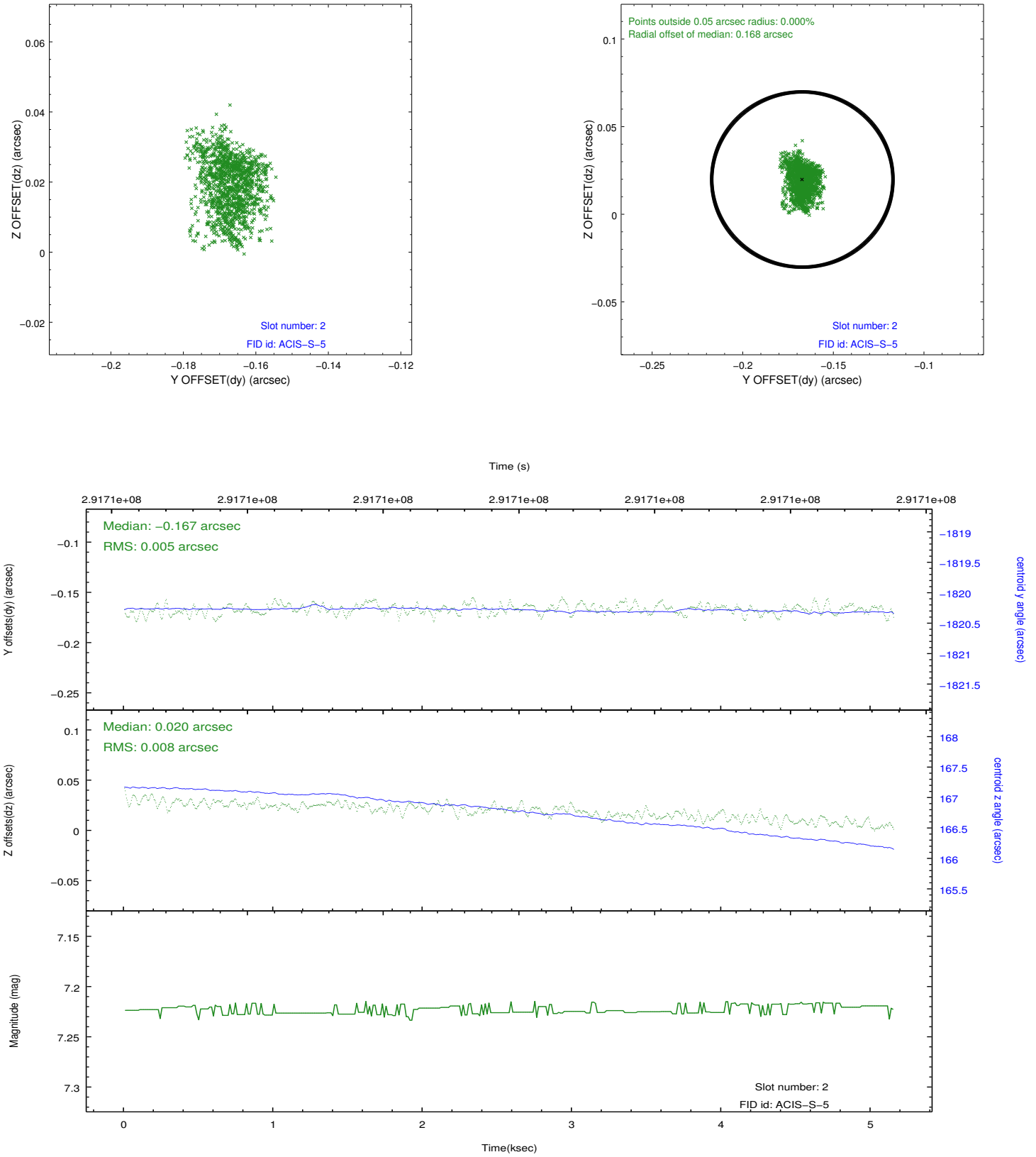
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14559998

A.2 Comments