

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7150 - L2 Version 2
Chandra X-Ray Center

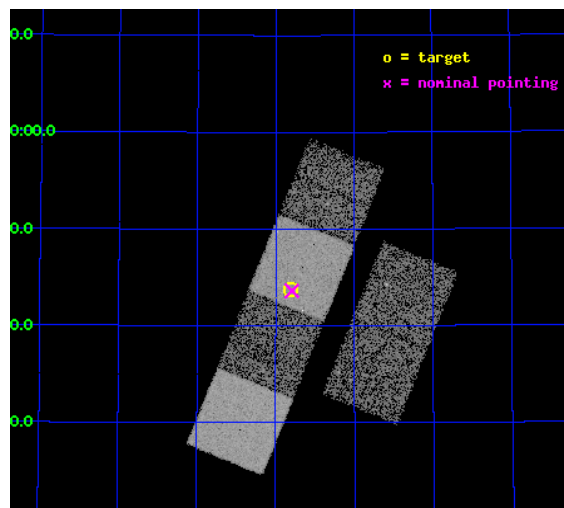
L2 Processing Date : Apr 7 2012

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1 Front

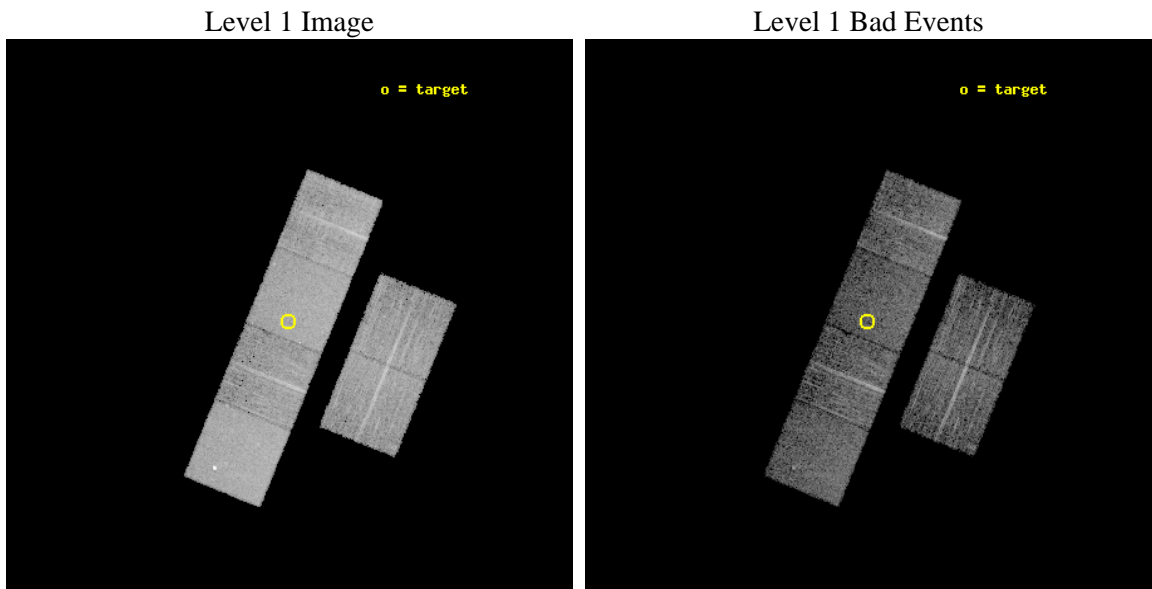
seq_num	600588	Sequence number
obs_id	7150	Observation id
title	Searching for accreting black holes in nuclear star clusters	Propo
observer	Dr Roberto Soria	Principal investigator
object	NGC5585	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.950417	Observer's specified target RA [deg]
dec_targ	56.728833	Observer's specified target Dec [deg]
ra_nom	214.94845873645	Nominal RA [deg]
dec_nom	56.727097612151	Nominal Dec [deg]
roll_nom	292.1326687165	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5382.3999800086	Sum of GTIs [s]
livetime	5314.2447905696	Livetime [s]
ontime2	5382.3999800086	Sum of GTIs [s]
ontime3	5382.3999800086	Sum of GTIs [s]
ontime5	5382.3999800086	Sum of GTIs [s]
ontime6	5382.3999800086	Sum of GTIs [s]
ontime7	5382.3999800086	Sum of GTIs [s]
ontime8	5382.3999800086	Sum of GTIs [s]
l2events	79233	Number of level 2 events



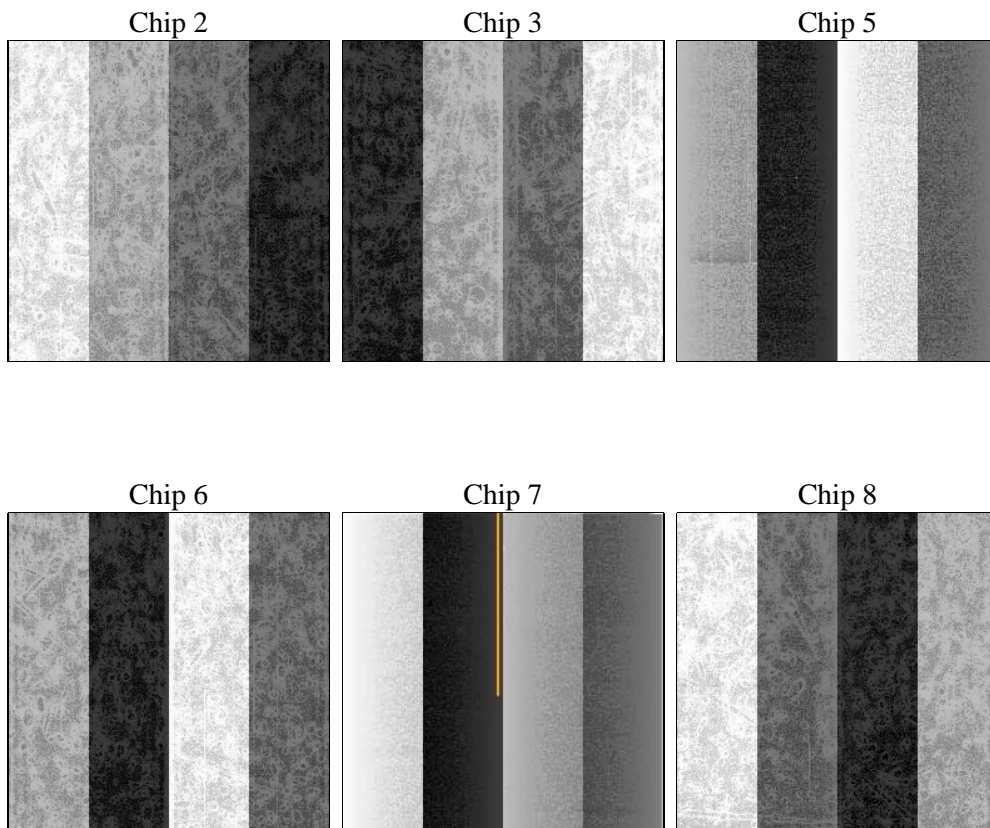
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5382.3999800086	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5382.3999800086	Sum of GTIs [s]
date	2012-04-08T01:09:14	Date and time of file creation	ontime3	5382.3999800086	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5382.3999800086	Sum of GTIs [s]
			ontime6	5382.3999800086	Sum of GTIs [s]
			ontime7	5382.3999800086	Sum of GTIs [s]
			ontime8	5382.3999800086	Sum of GTIs [s]
			l1events	360393	Number of level 1 events

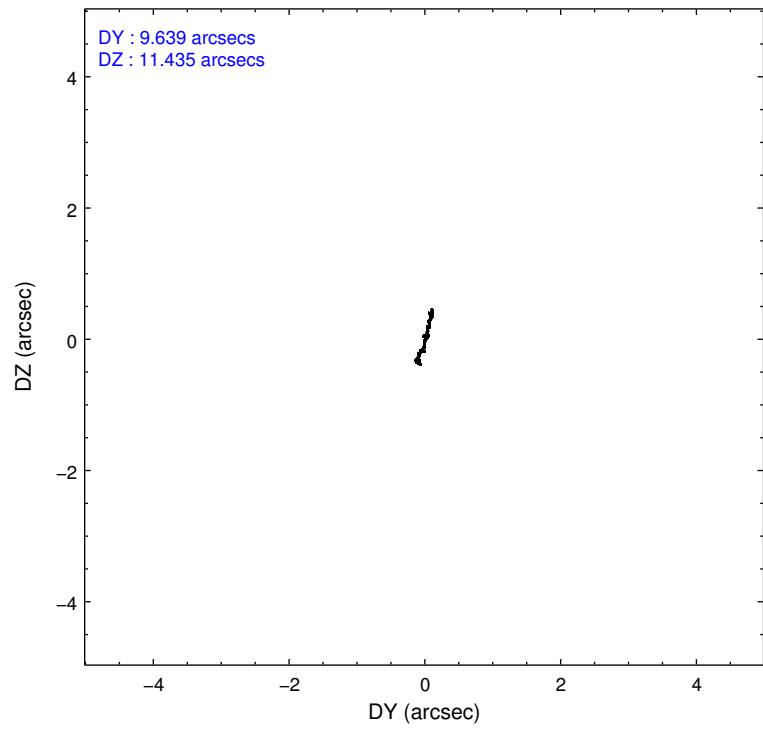
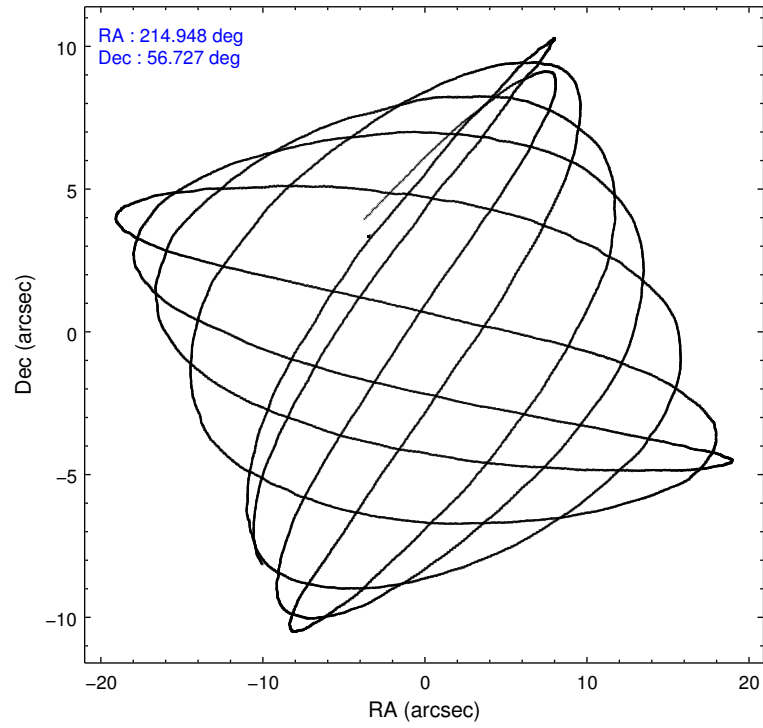
2.1.4 Events

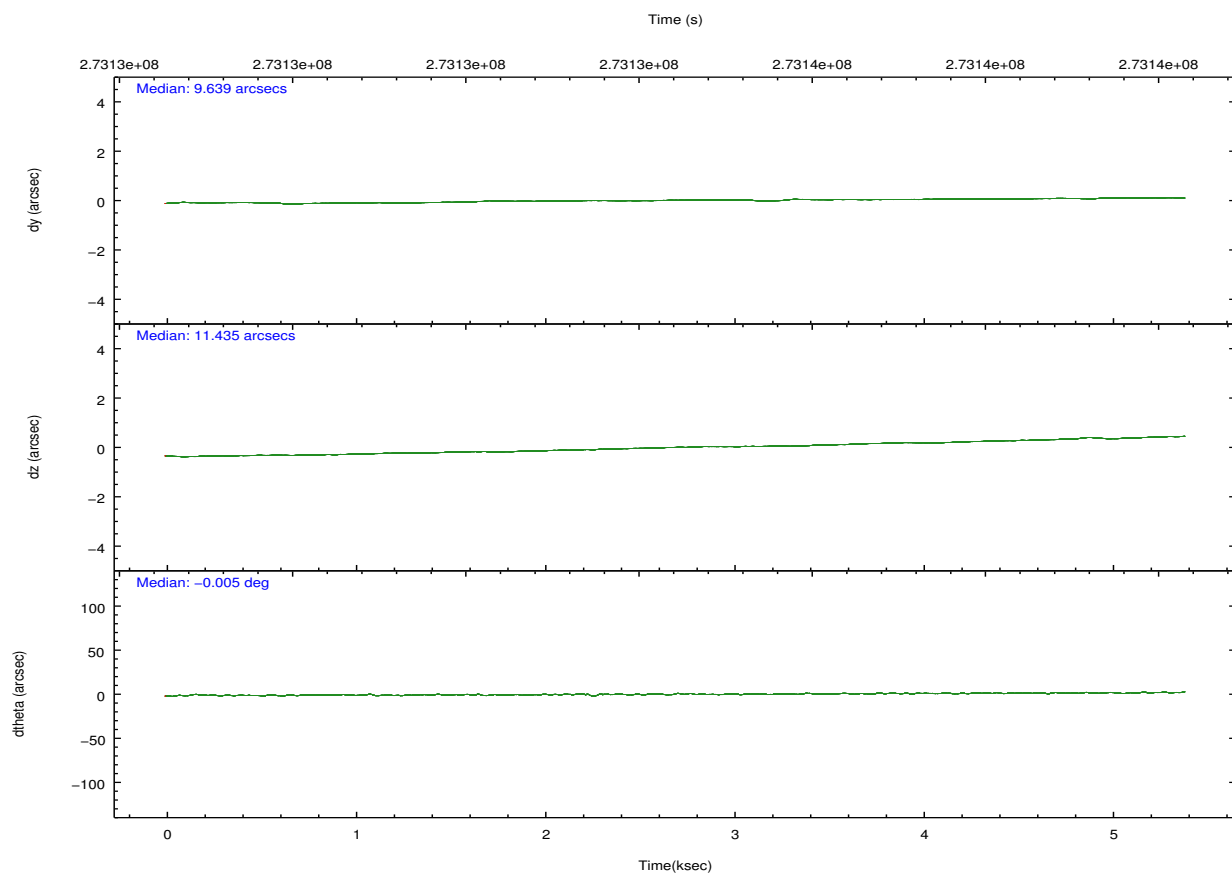
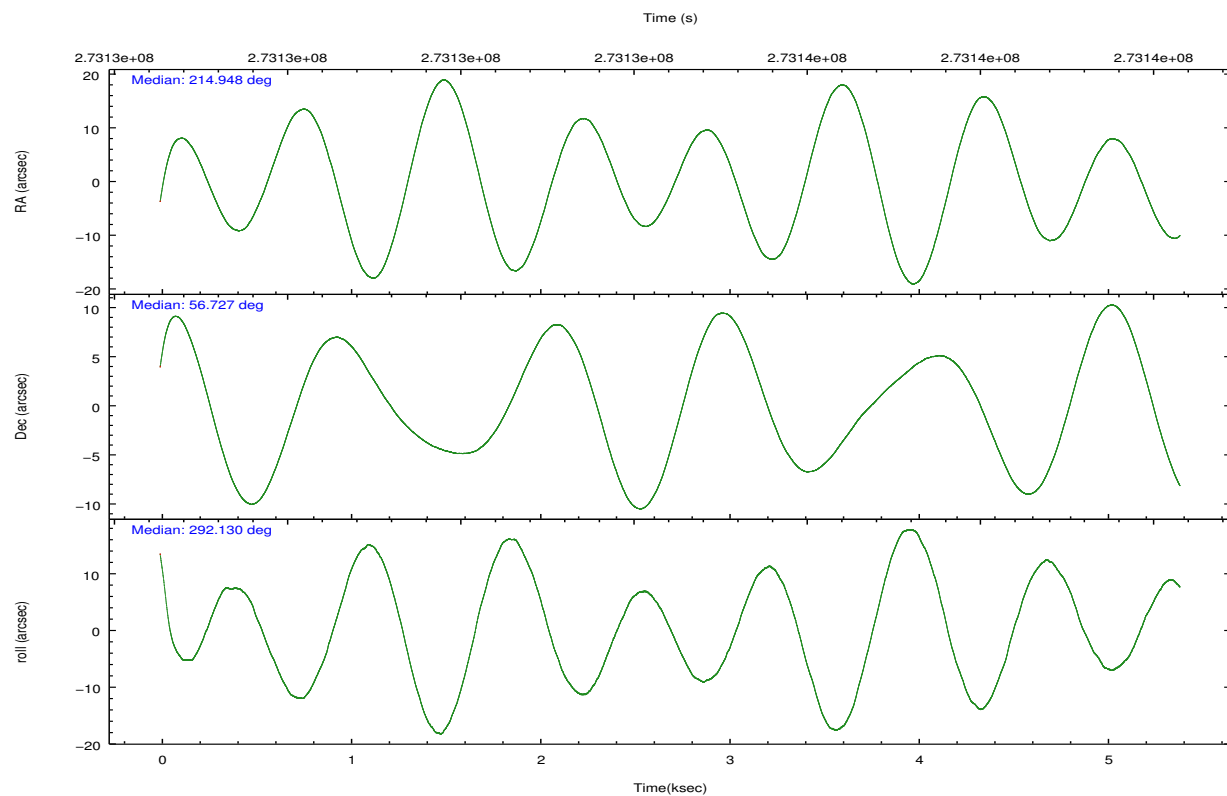
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51468	47790	77102	50383	68394	65256	grade 0 events	2689	2471	3102	2376	2622	4478
rejected events	45650	42174	42690	44666	40657	51140		5%	5%	4%	4%	3%	6%
rejected %	88%	88%	55%	88%	59%	78%	grade 1 events	40	32	244	24	68	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	1343	1181	11446	1264	5881	3272
								2%	2%	14%	2%	8%	5%
							grade 3 events	515	542	1236	518	2528	1543
								1%	1%	1%	1%	3%	2%
							grade 4 events	540	552	1133	587	2319	1437
								1%	1%	1%	1%	3%	2%
							grade 5 events	2021	2157	5371	2363	6364	2999
								3%	4%	6%	4%	9%	4%
							grade 6 events	970	1046	18770	1207	15468	3983
								1%	2%	24%	2%	22%	6%
							grade 7 events	43350	39809	35800	42044	33144	47496
								84%	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	214.908831	214.9484587364494	Subarray requested	NONE	NONE
[deg] Pointing Dec	56.743470	56.72709761215122	Alternating exposures requested	N	N
[deg] Pointing Roll	292.009165	292.1326687164989	[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)	273131698.184000	273130521.72998			
Observation start date	2006-08-28T05:53:53	2006-08-28T05:35:21			
[s] Observation end time (MET)	273136898.184000	273138264.06784			
Observation end date	2006-08-28T07:20:33	2006-08-28T07:44:24			
Read mode	TIMED	TIMED			

2.3 Aspect



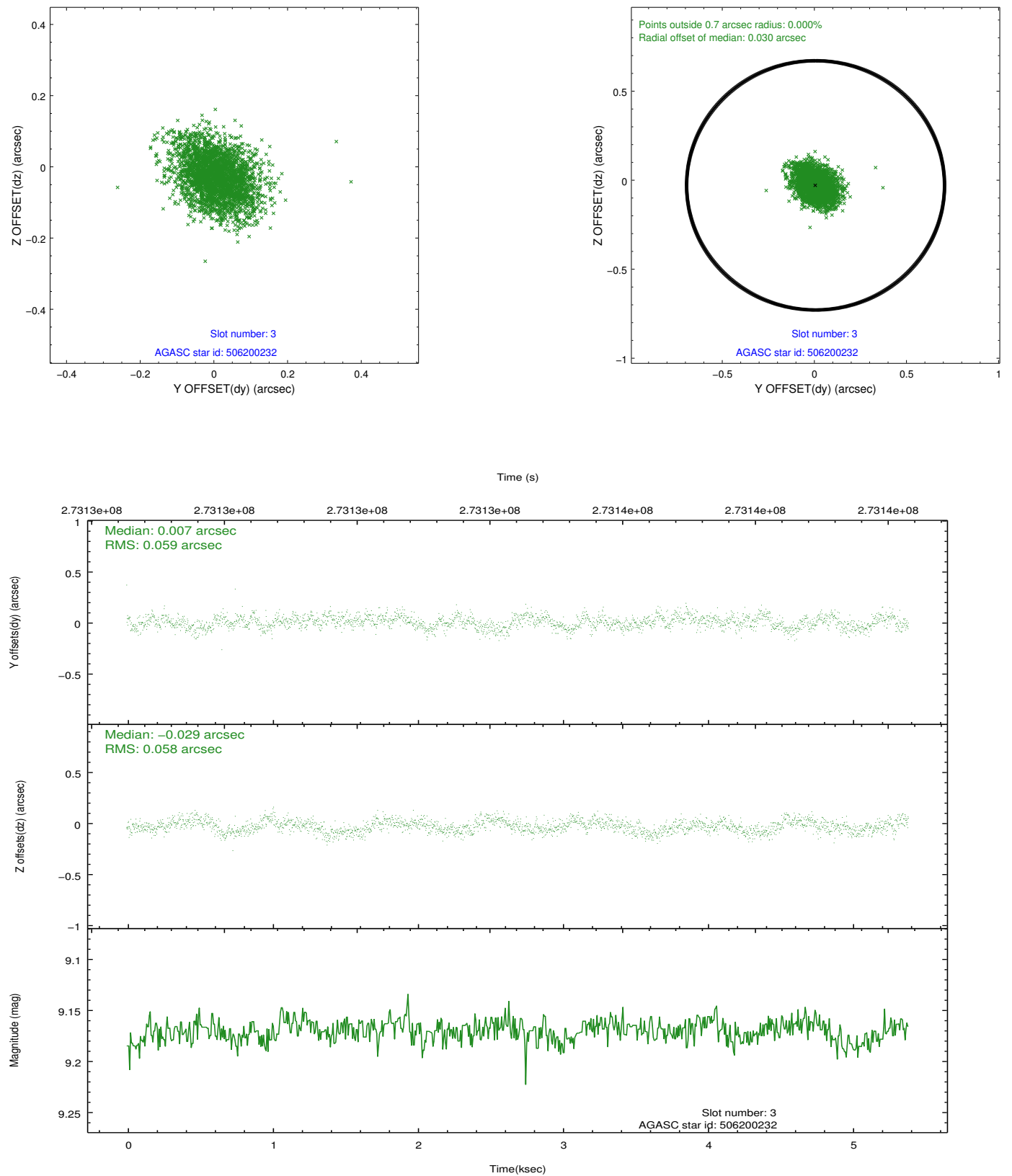


Slot Statistics

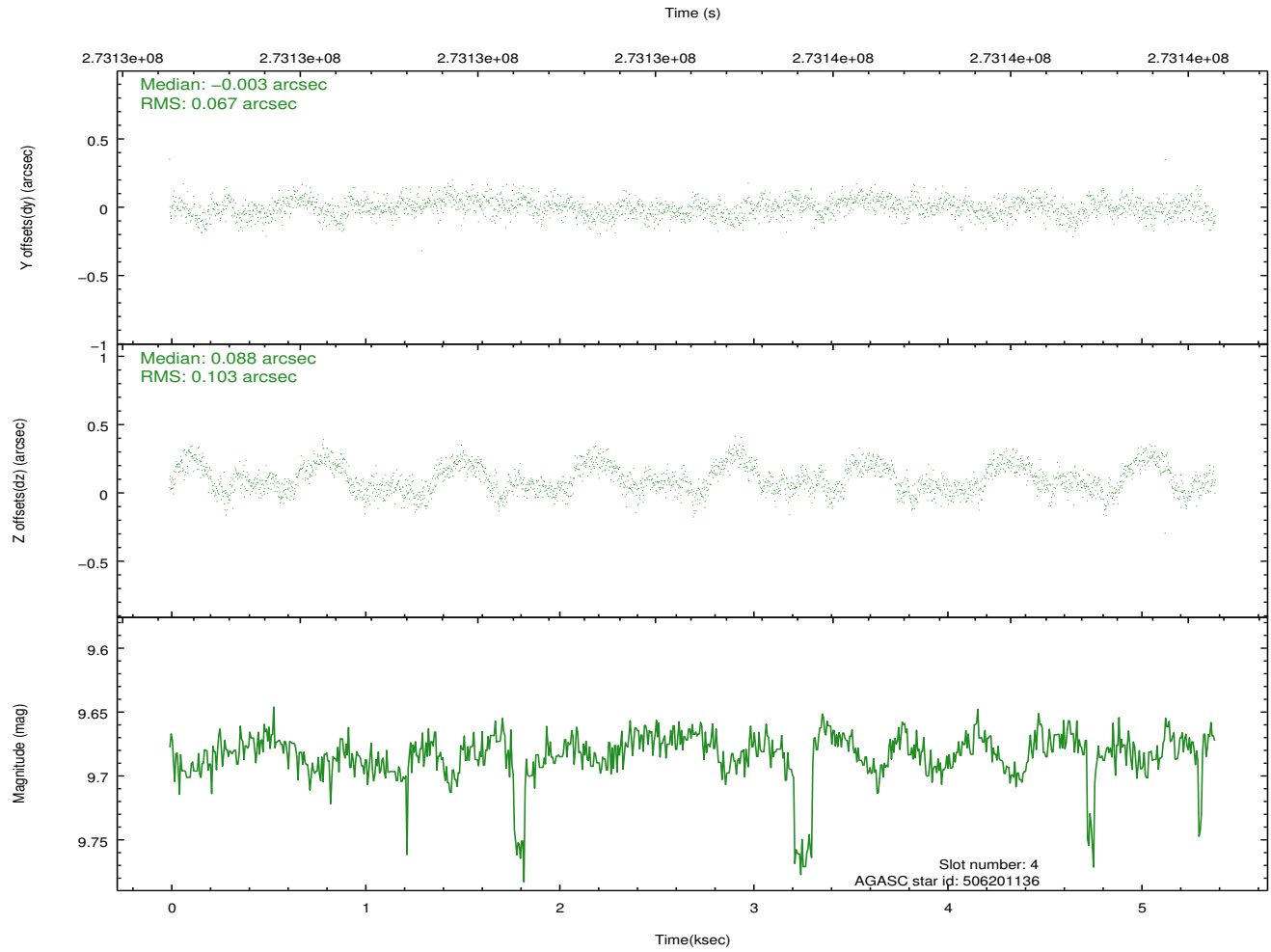
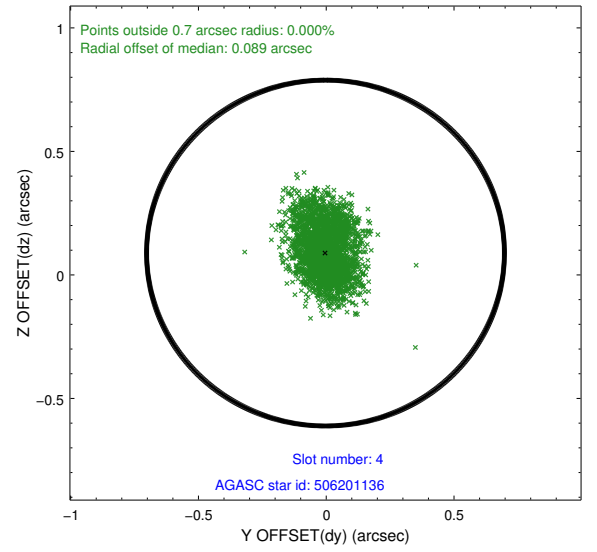
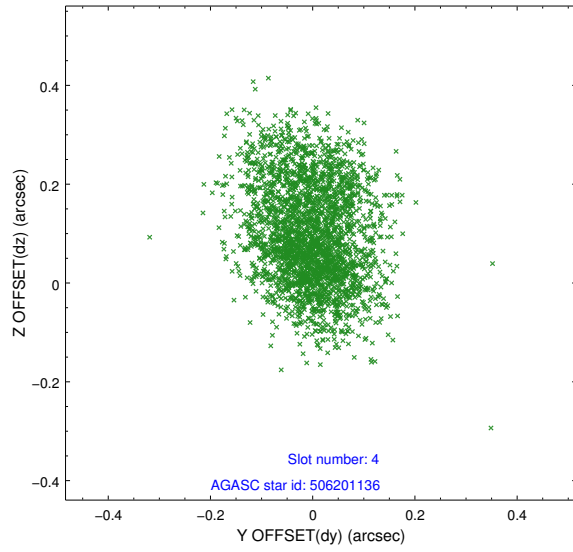
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1315	0.020	-0.078	0.009	0.016	0.000000	0.000000	933.57	-1728.38
1	FID	ACIS-S-4	7.22	1315	0.119	0.048	0.008	0.014	0.000000	0.000000	2151.72	174.74
2	FID	ACIS-S-5	7.23	1315	-0.166	0.042	0.006	0.011	0.000000	0.000000	-1814.03	169.63
3	GUIDE	506200232	9.17	2629	0.007	-0.029	0.086	0.144	214.872542	57.406429	-2239.14	829.22
4	GUIDE	506201136	9.68	2626	-0.003	0.088	0.131	0.212	215.015651	56.483259	947.48	-153.48
5	GUIDE	506202888	9.72	2617	0.057	-0.061	0.114	0.189	214.841401	57.181727	-1511.31	469.31
6	GUIDE	506211824	6.81	2629	-0.050	-0.096	0.061	0.098	213.999568	56.689133	-502.88	-1735.41
7	GUIDE	506200144	9.86	2623	-0.008	0.080	0.105	0.168	214.845877	57.379231	-2167.61	743.98

2.4 Star Slots

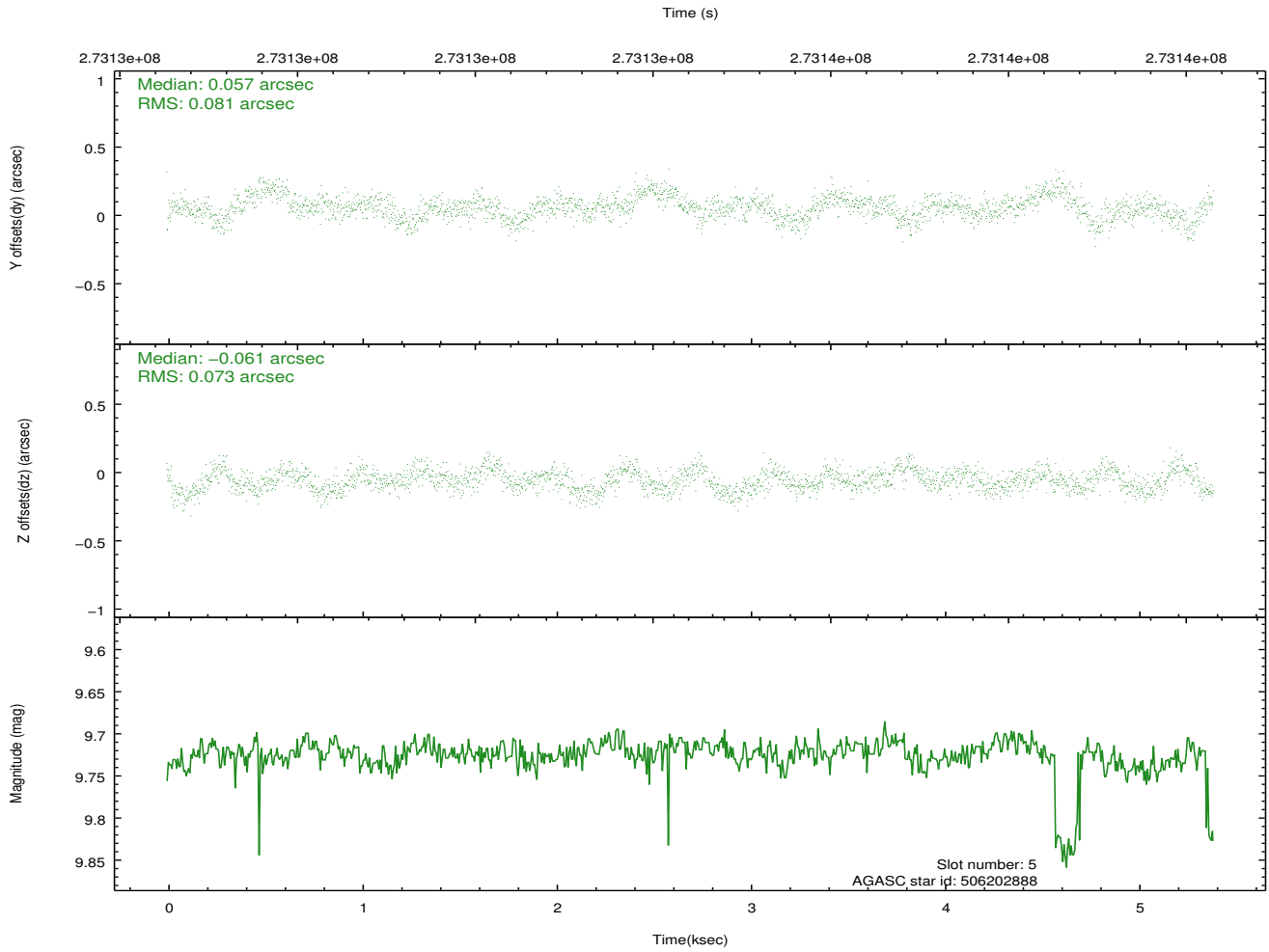
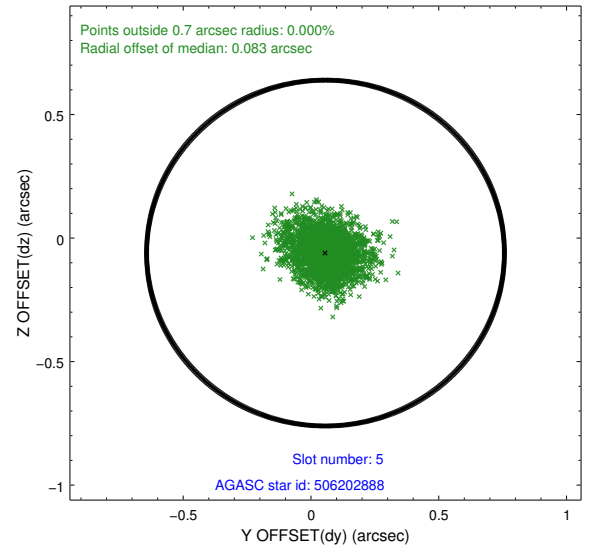
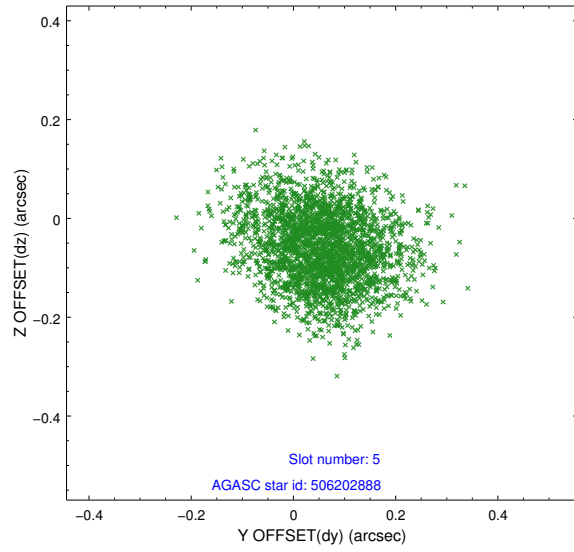
2.4.1 Slot 3



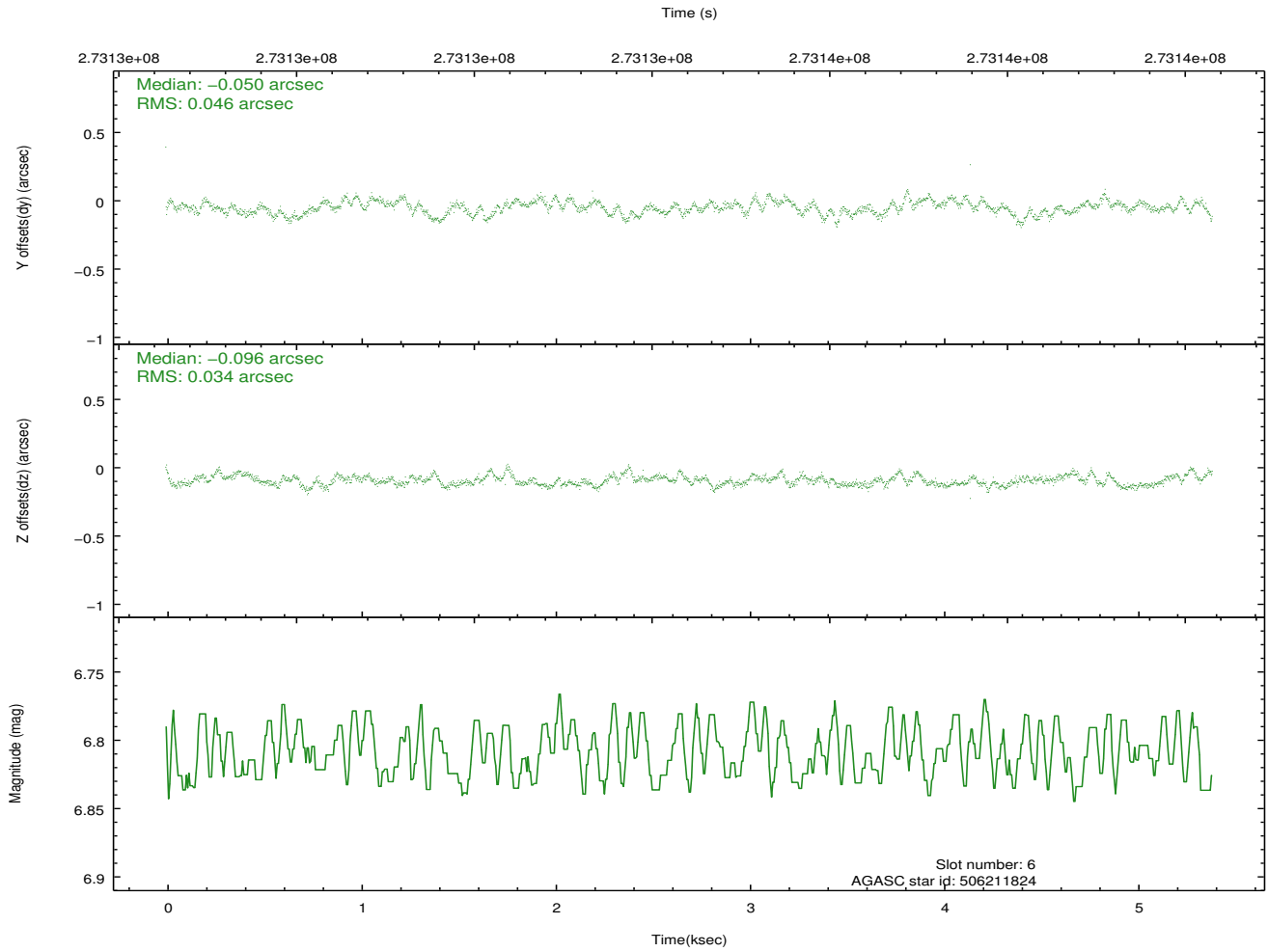
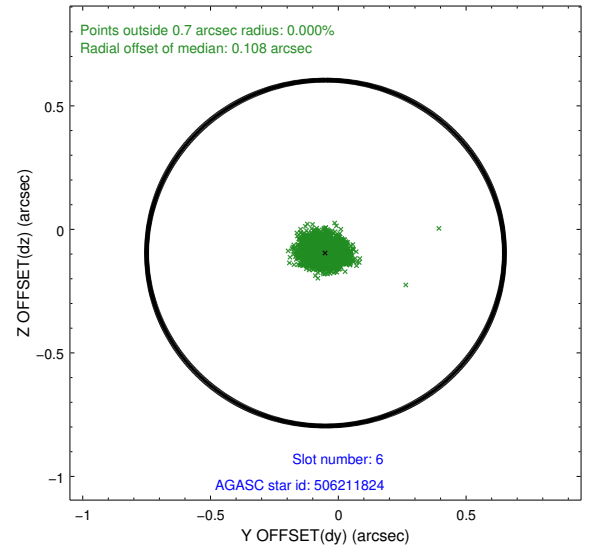
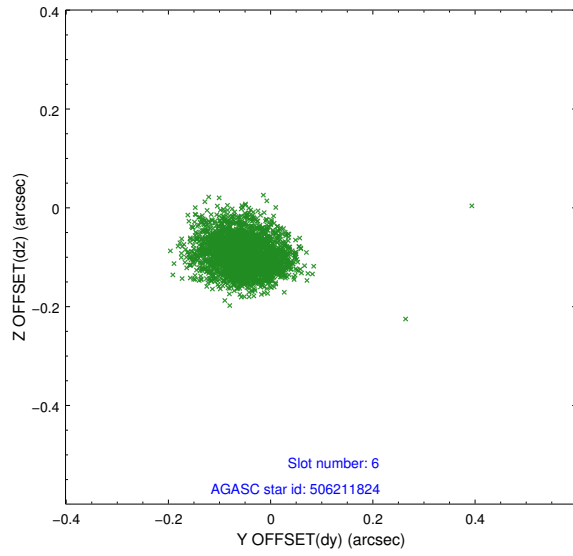
2.4.2 Slot 4



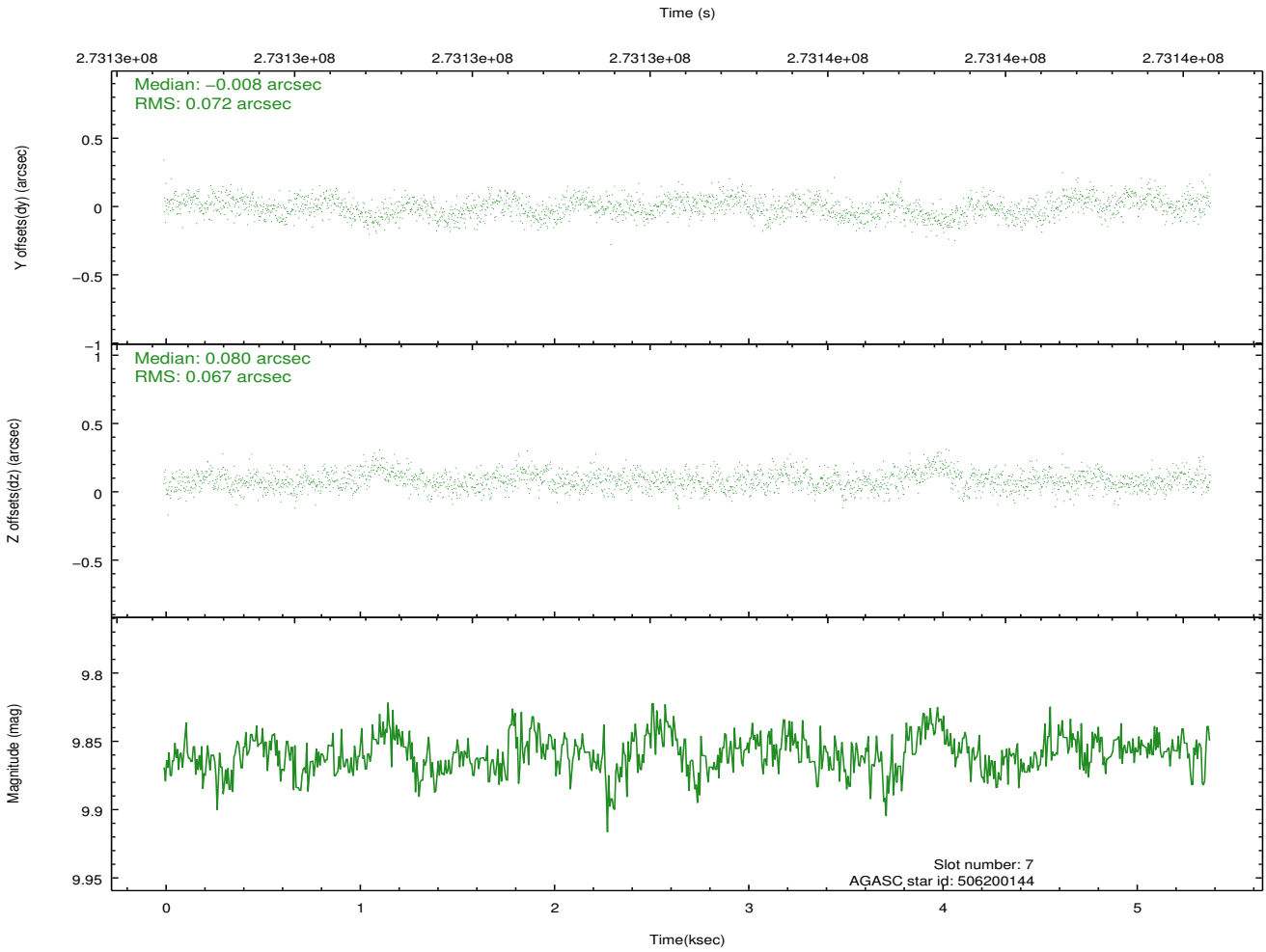
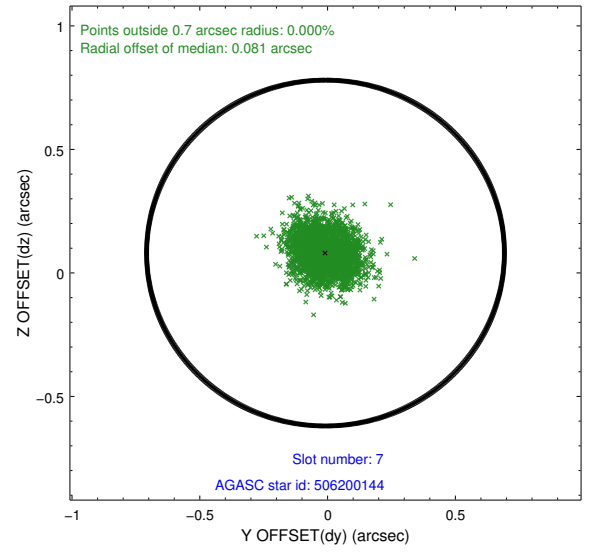
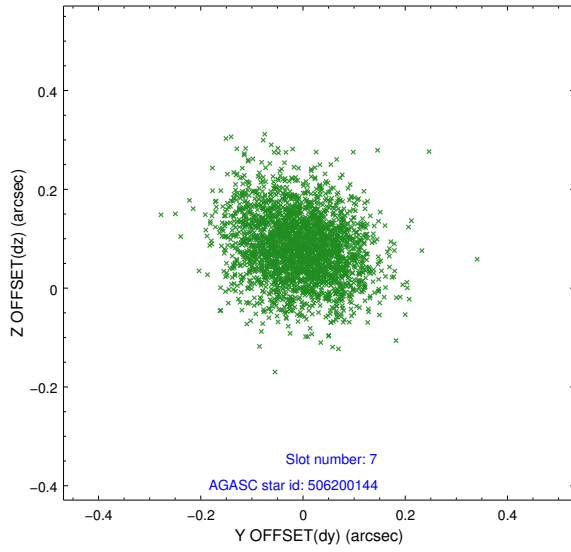
2.4.3 Slot 5



2.4.4 Slot 6

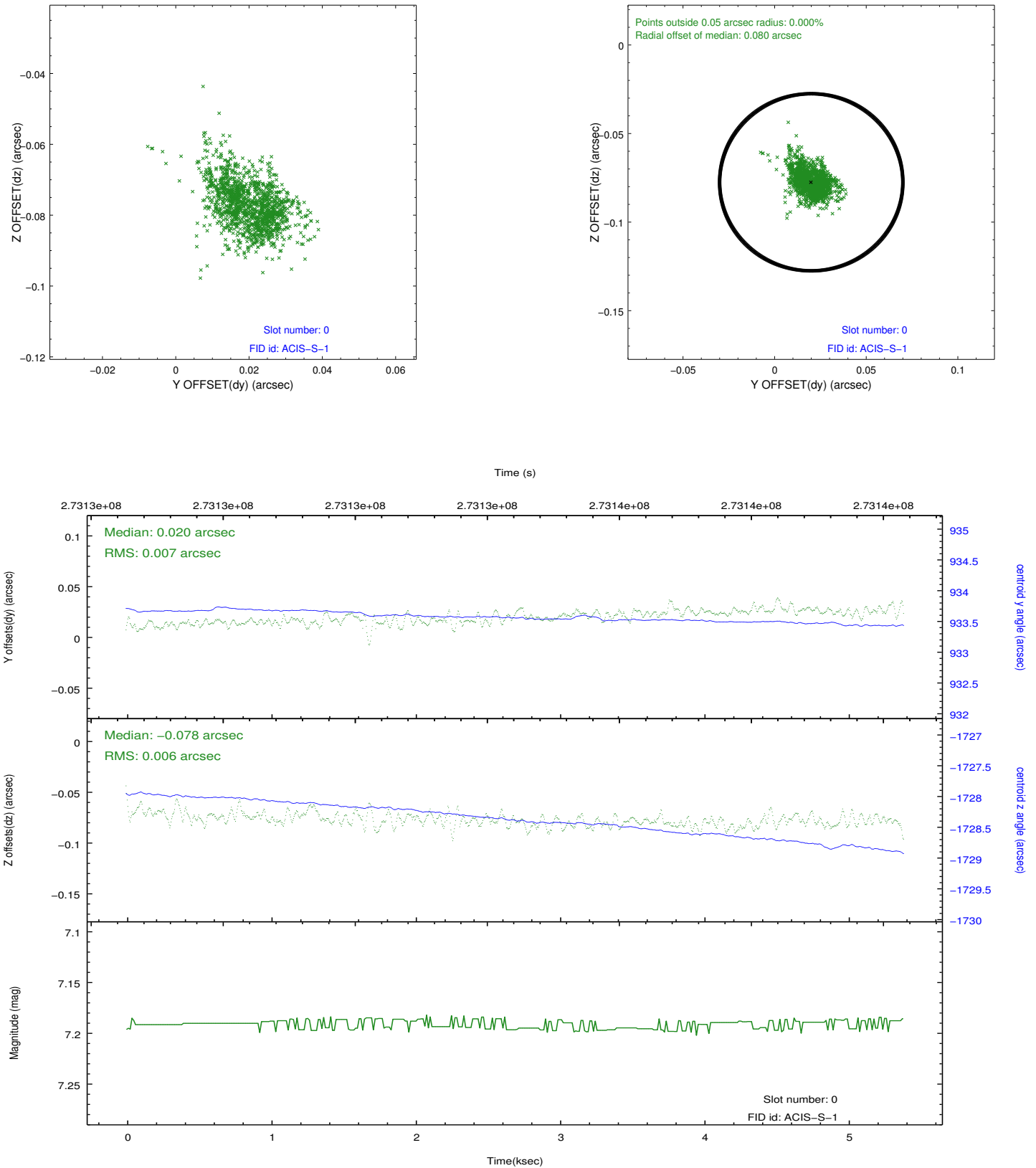


2.4.5 Slot 7

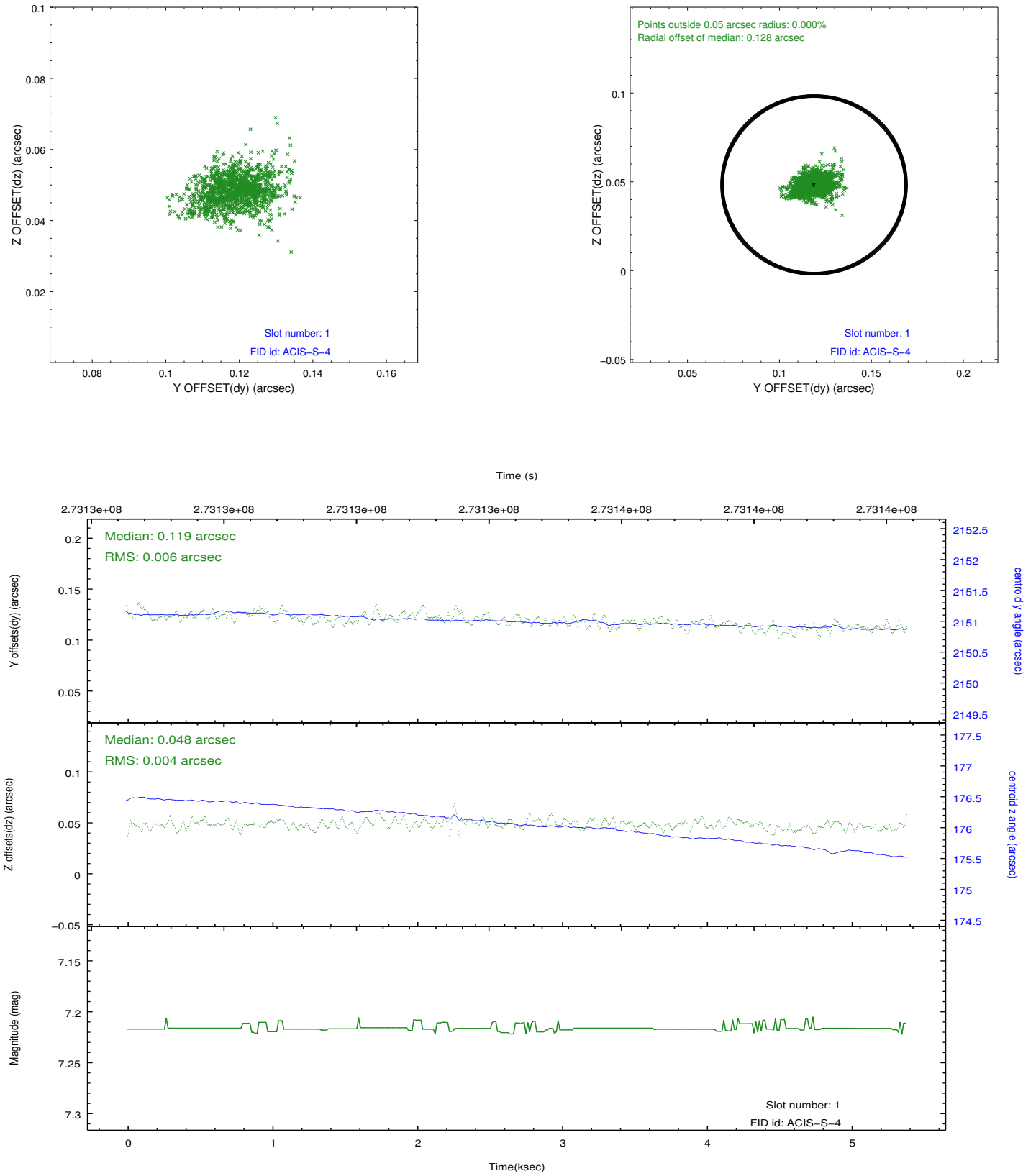


2.5 FID Slots

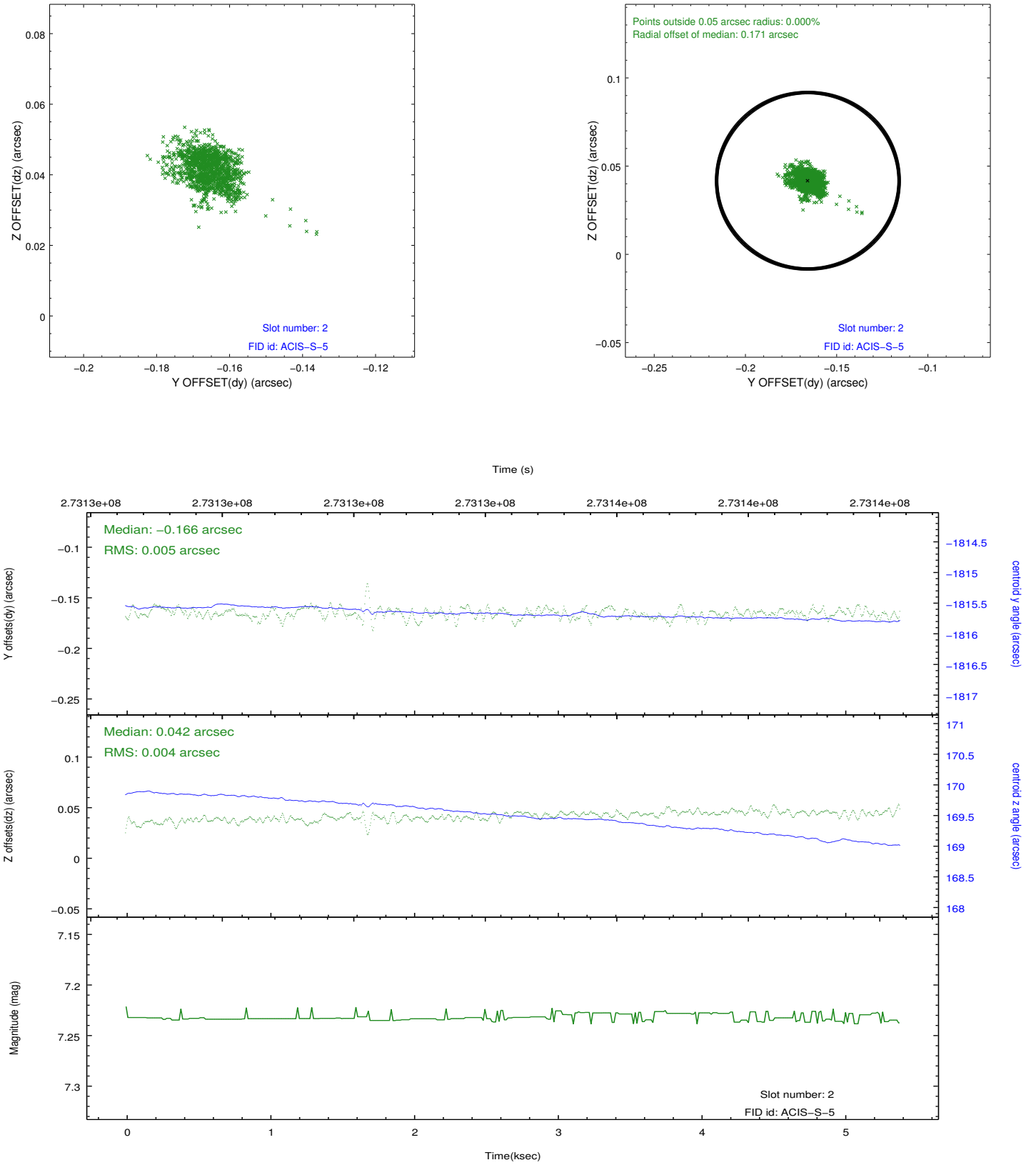
2.5.1 Slot 0



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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.38239997

A.2 Comments