

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3329 - L2 Version 3
Chandra X-Ray Center

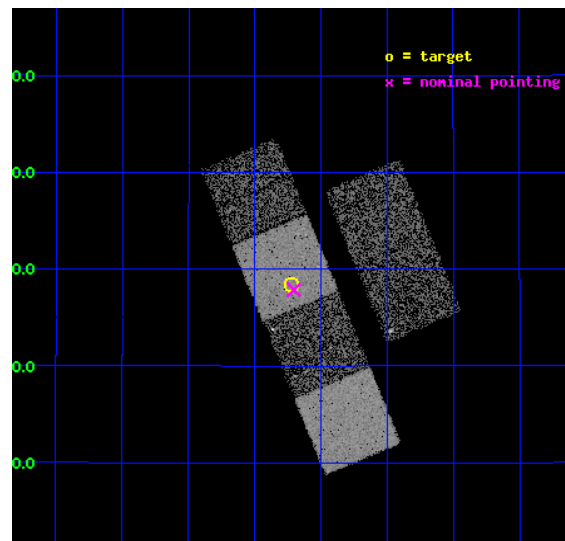
L2 Processing Date : Oct 11 2012

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1 Front

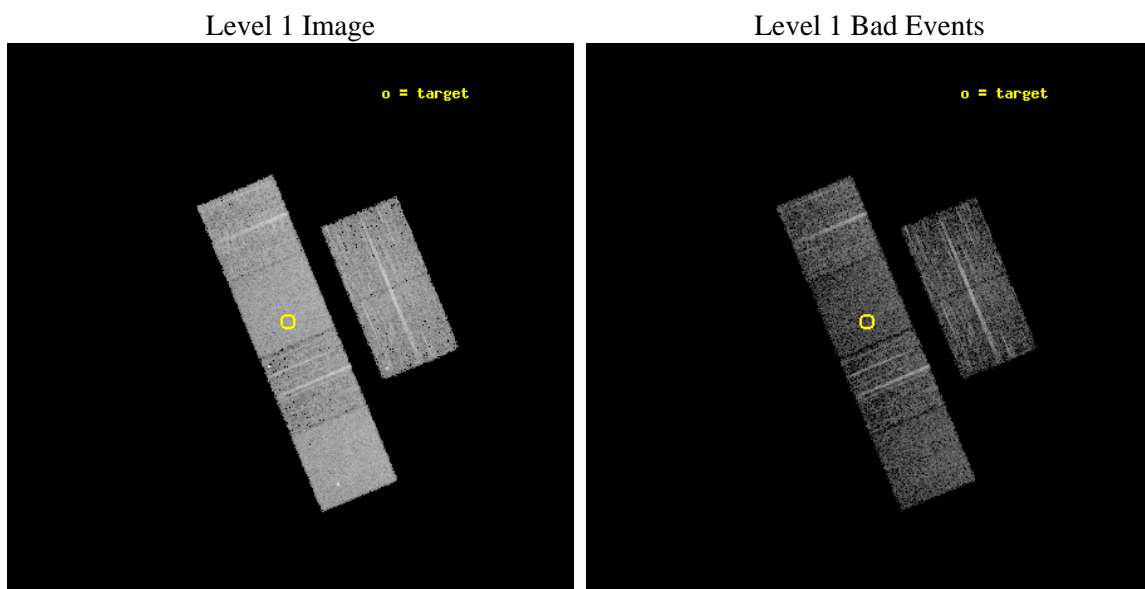
seq_num	900168	Sequence number
obs_id	3329	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1406.2+2228	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	211.556667	Observer's specified target RA [deg]
dec_targ	22.472778	Observer's specified target Dec [deg]
ra_nom	211.55104805452	Nominal RA [deg]
dec_nom	22.464539306681	Nominal Dec [deg]
roll_nom	247.45102541215	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4758.1961783469	Sum of GTIs [s]
livetime	4697.9450332949	Livetime [s]
ontime2	4758.2372183502	Sum of GTIs [s]
ontime3	4758.073058337	Sum of GTIs [s]
ontime5	4758.1551383436	Sum of GTIs [s]
ontime6	4758.1140983403	Sum of GTIs [s]
ontime7	4758.1961783469	Sum of GTIs [s]
ontime8	4754.7909584343	Sum of GTIs [s]
l2events	50442	Number of level 2 events



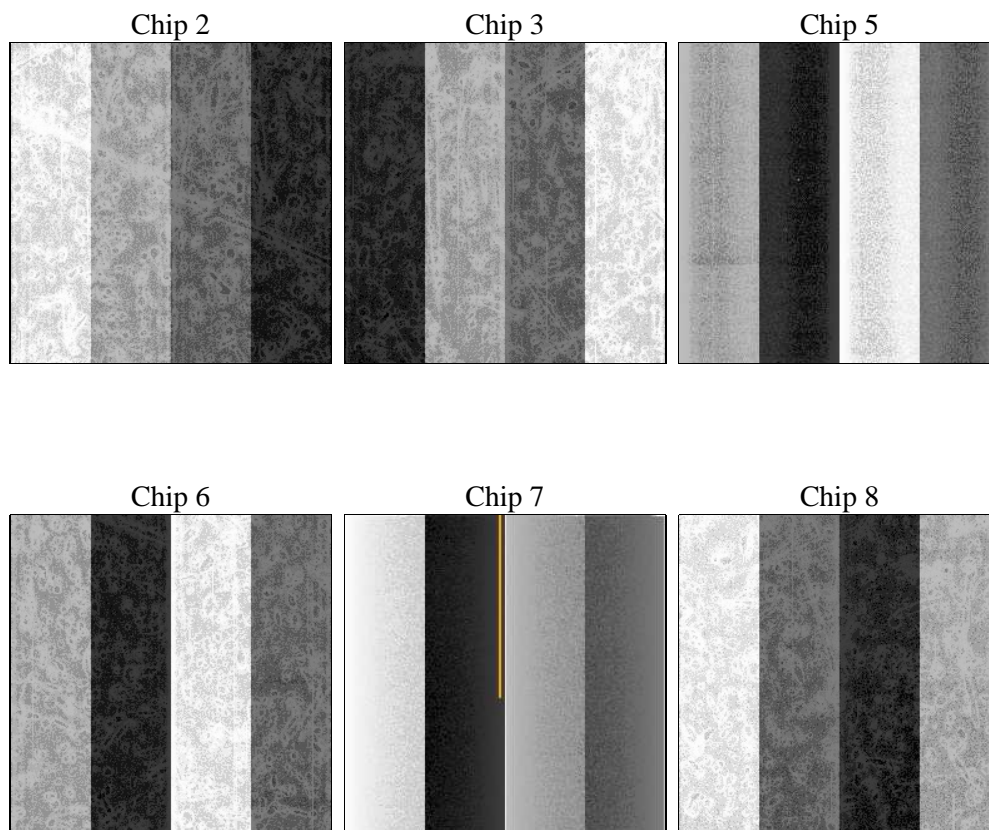
2 OBI

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	8.4.5	Processing system revision	ontime	4758.1961783469	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4758.2372183502	Sum of GTIs [s]
date	2012-10-11T12:51:20	Date and time of file creation	ontime3	4758.073058337	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4758.1551383436	Sum of GTIs [s]
			ontime6	4758.1140983403	Sum of GTIs [s]
			ontime7	4758.1961783469	Sum of GTIs [s]
			ontime8	4754.7909584343	Sum of GTIs [s]
			l1events	225479	Number of level 1 events

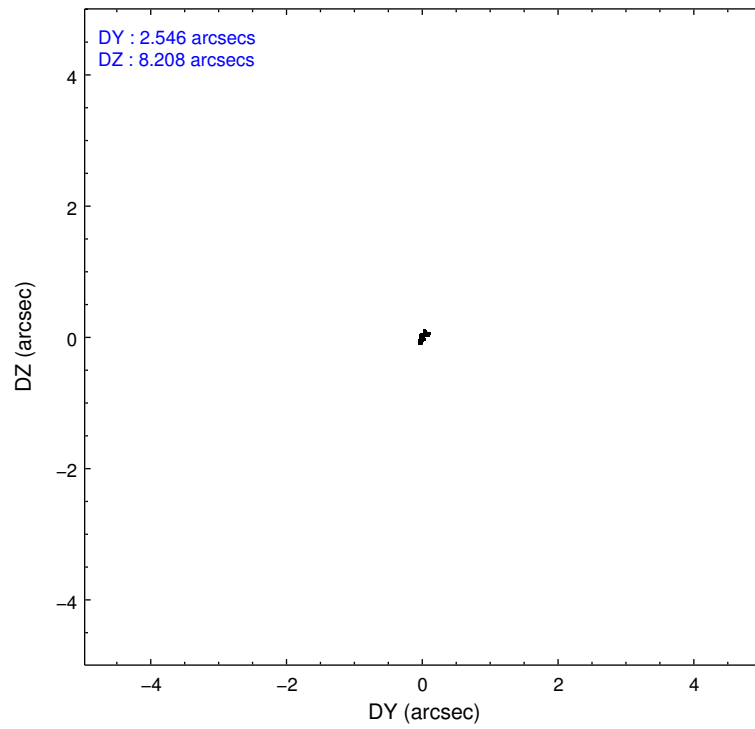
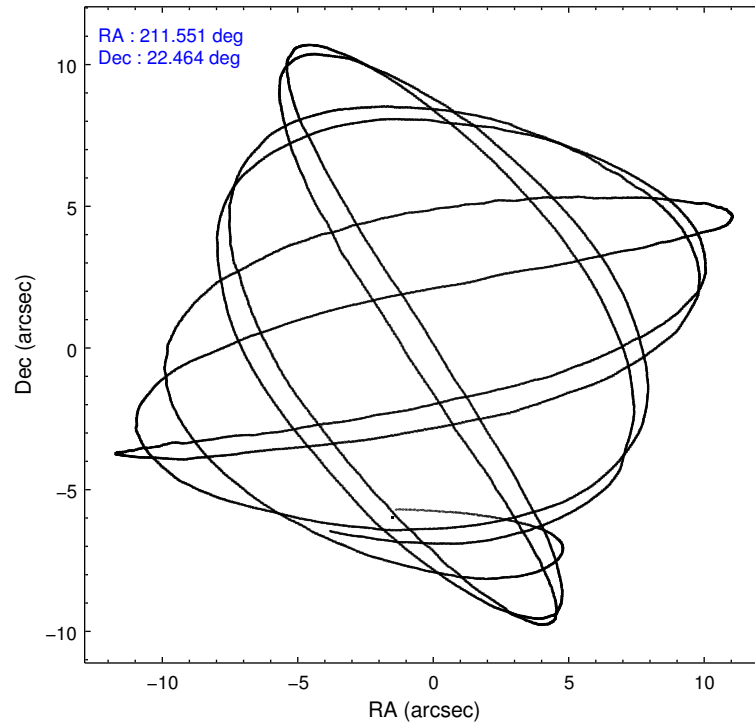
2.1.4 Events

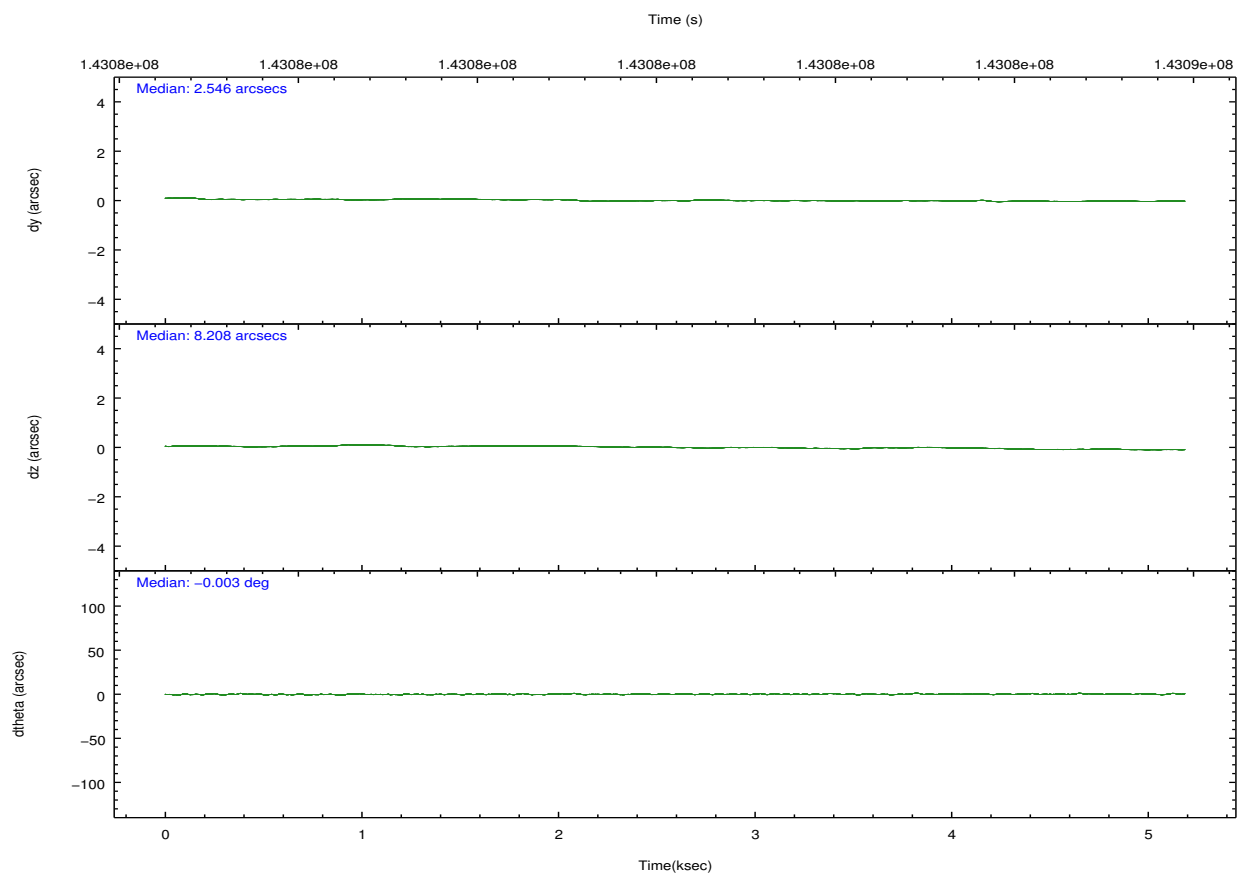
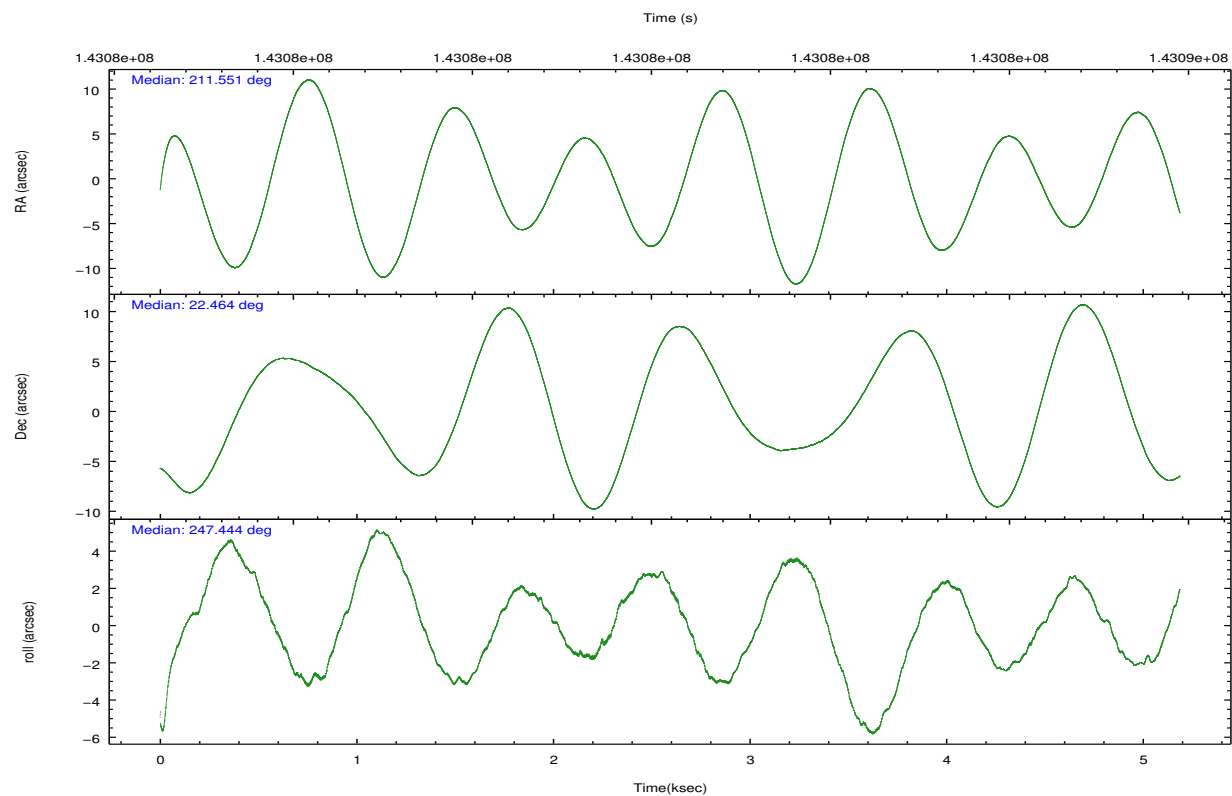
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32022	31883	44835	32894	42074	41771	grade 0 events	1755	1573	1583	2122	1778	2501
rejected events	28217	28144	24763	28454	24431	33976		5%	4%	3%	6%	4%	5%
rejected %	88%	88%	55%	86%	58%	81%	grade 1 events	16	10	58	21	49	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	793	775	5900	845	3457	1621
								2%	2%	13%	2%	8%	3%
							grade 3 events	292	376	1061	368	1656	865
								0%	1%	2%	1%	3%	2%
							grade 4 events	347	363	831	366	1539	777
								1%	1%	1%	1%	3%	1%
							grade 5 events	1219	1297	3403	1461	3979	1634
								3%	4%	7%	4%	9%	3%
							grade 6 events	621	654	10728	749	9234	2032
								1%	2%	23%	2%	21%	4%
							grade 7 events	26979	26835	21271	26962	20382	32309
								84%	84%	47%	81%	48%	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	211.546801	211.5510480545227	Subarray requested	NONE	NONE
[deg] Pointing Dec	22.491588	22.4645393066806	Alternating exposures requested	N	N
[deg] Pointing Roll	247.296036	247.4510254121495	[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)	143080699.184000	143079905.87117			
Observation start date	2002-07-15T00:37:15	2002-07-15T00:25:05			
[s] Observation end time (MET)	143085699.184000	143085932.87142			
Observation end date	2002-07-15T02:00:35	2002-07-15T02:05:32			
Read mode	TIMED	TIMED			

2.3 Aspect



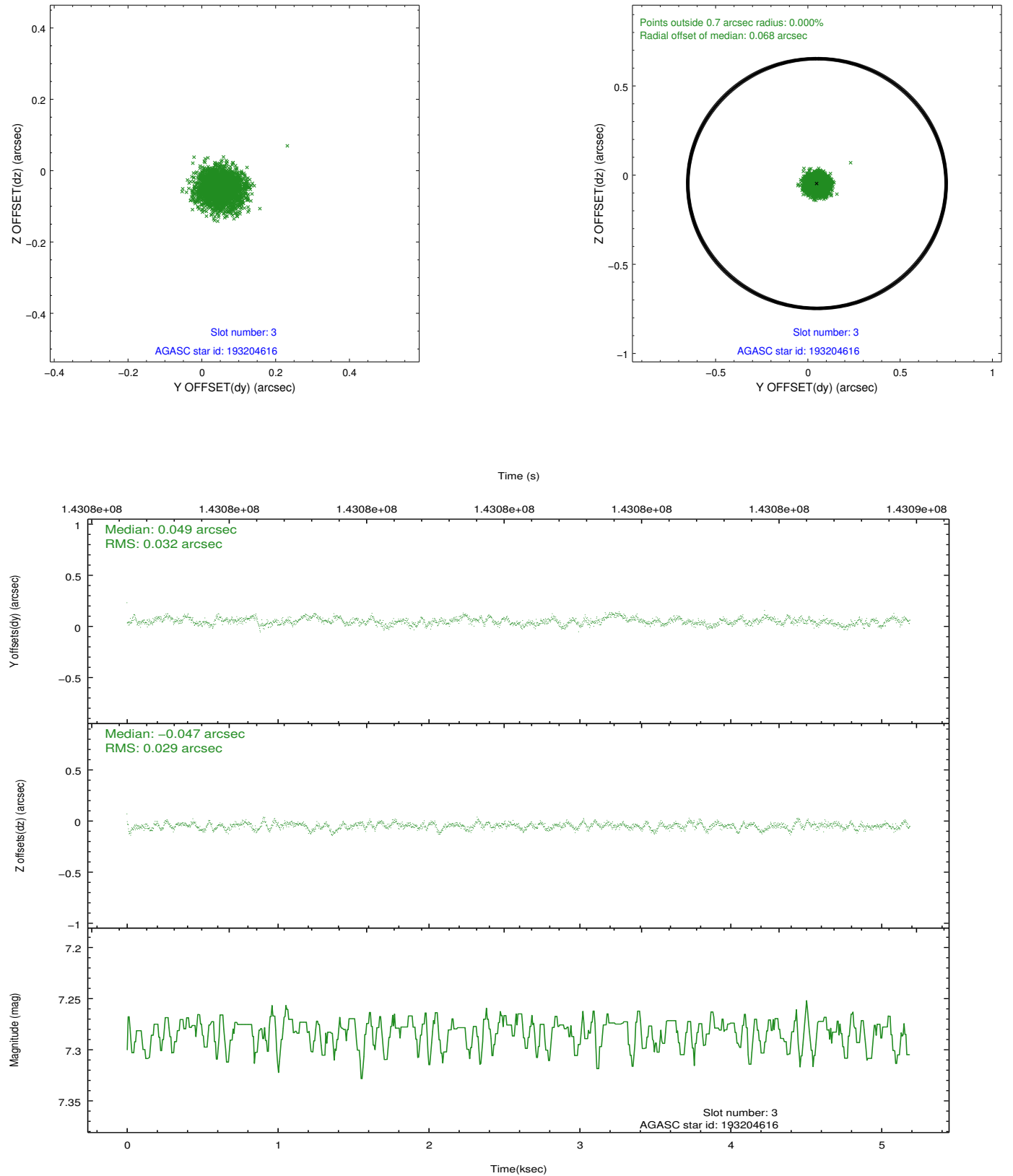


Slot Statistics

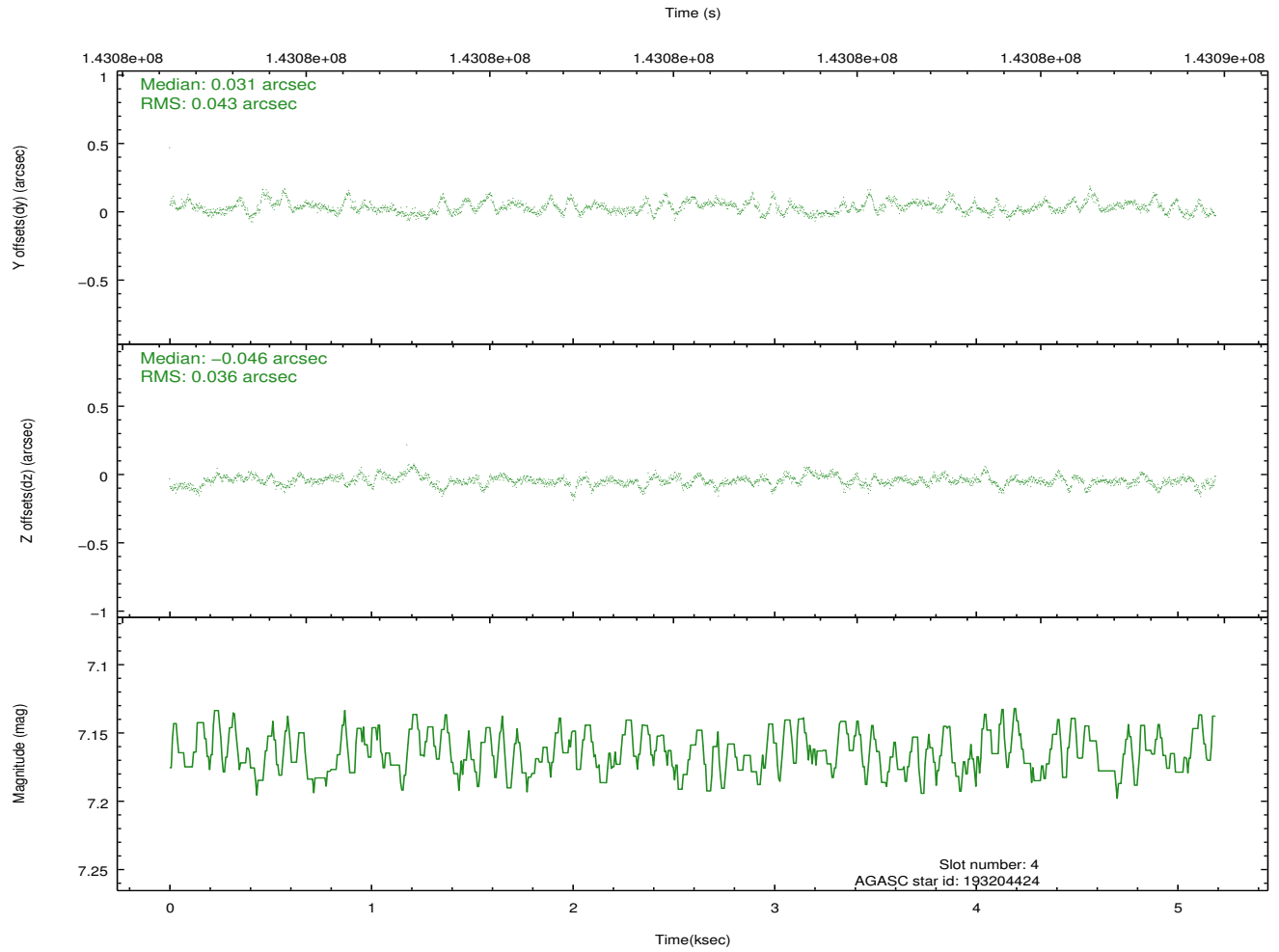
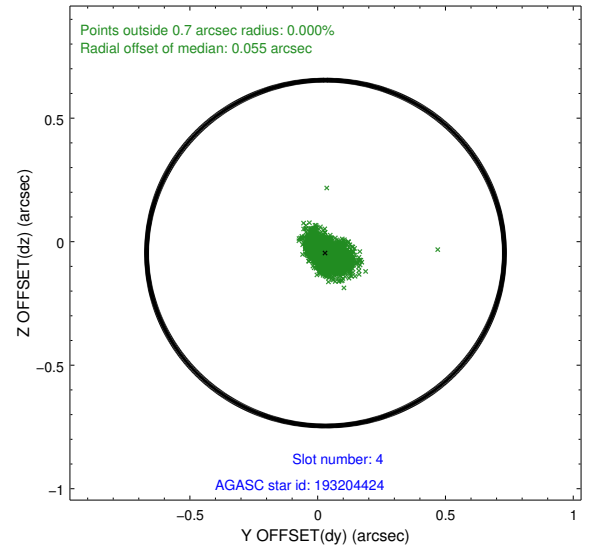
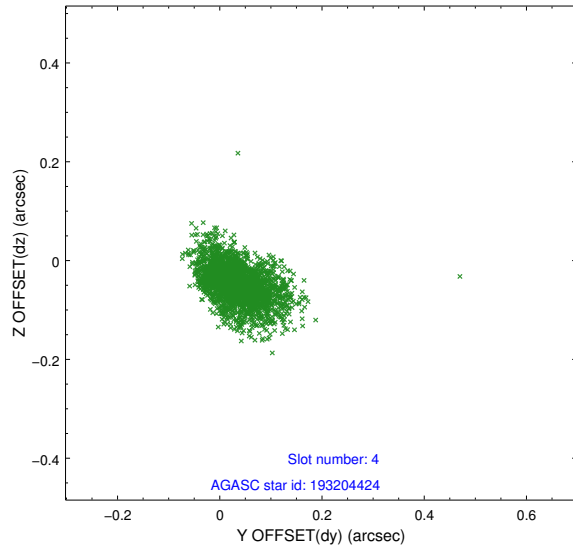
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1266	-0.007	0.005	0.006	0.011	0.000000	0.000000	-755.21	-1729.39
1	FID	ACIS-S-4	7.20	1266	-0.038	0.002	0.005	0.010	0.000000	0.000000	2157.53	177.85
2	FID	ACIS-S-5	7.24	1266	0.014	0.002	0.007	0.011	0.000000	0.000000	-1806.51	172.89
3	GUIDE	193204616	7.28	2532	0.049	-0.047	0.046	0.074	211.556472	22.167699	1062.50	480.64
4	GUIDE	193204424	7.17	2532	0.031	-0.046	0.057	0.102	210.841613	22.495754	886.47	-2170.66
5	GUIDE	262935040	7.49	2531	-0.034	-0.077	0.053	0.085	211.422194	22.731013	-635.70	-714.72
6	GUIDE	262939080	8.32	2531	-0.105	0.064	0.055	0.090	212.074376	22.563038	-918.35	1518.01
7	GUIDE	193204624	9.59	2531	0.054	0.107	0.086	0.144	211.841887	22.462558	-284.55	946.91

2.4 Star Slots

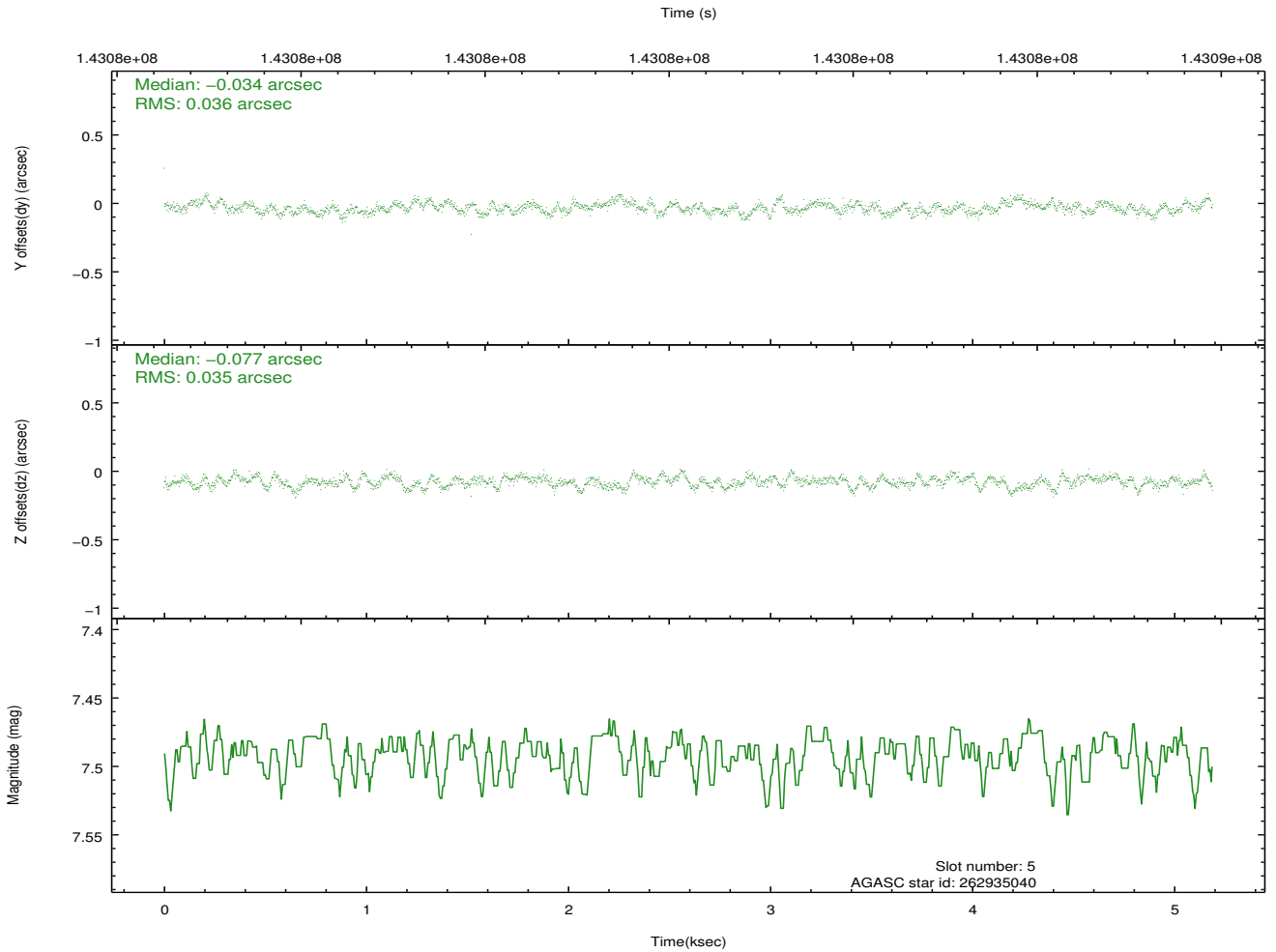
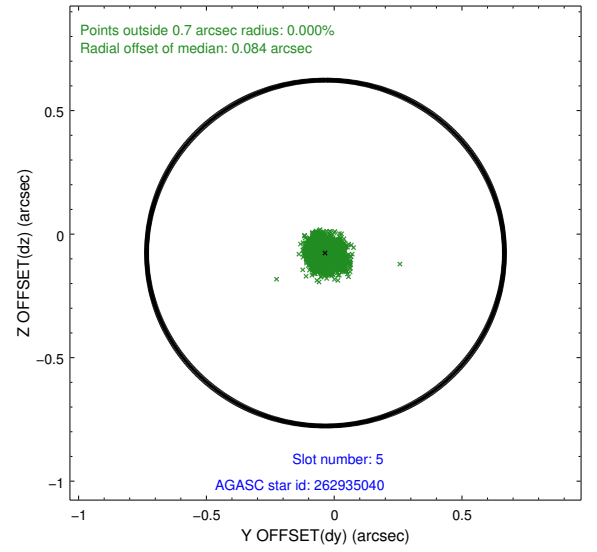
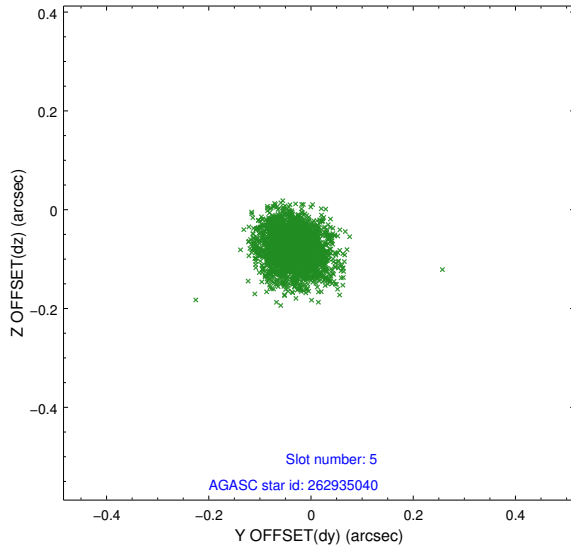
2.4.1 Slot 3



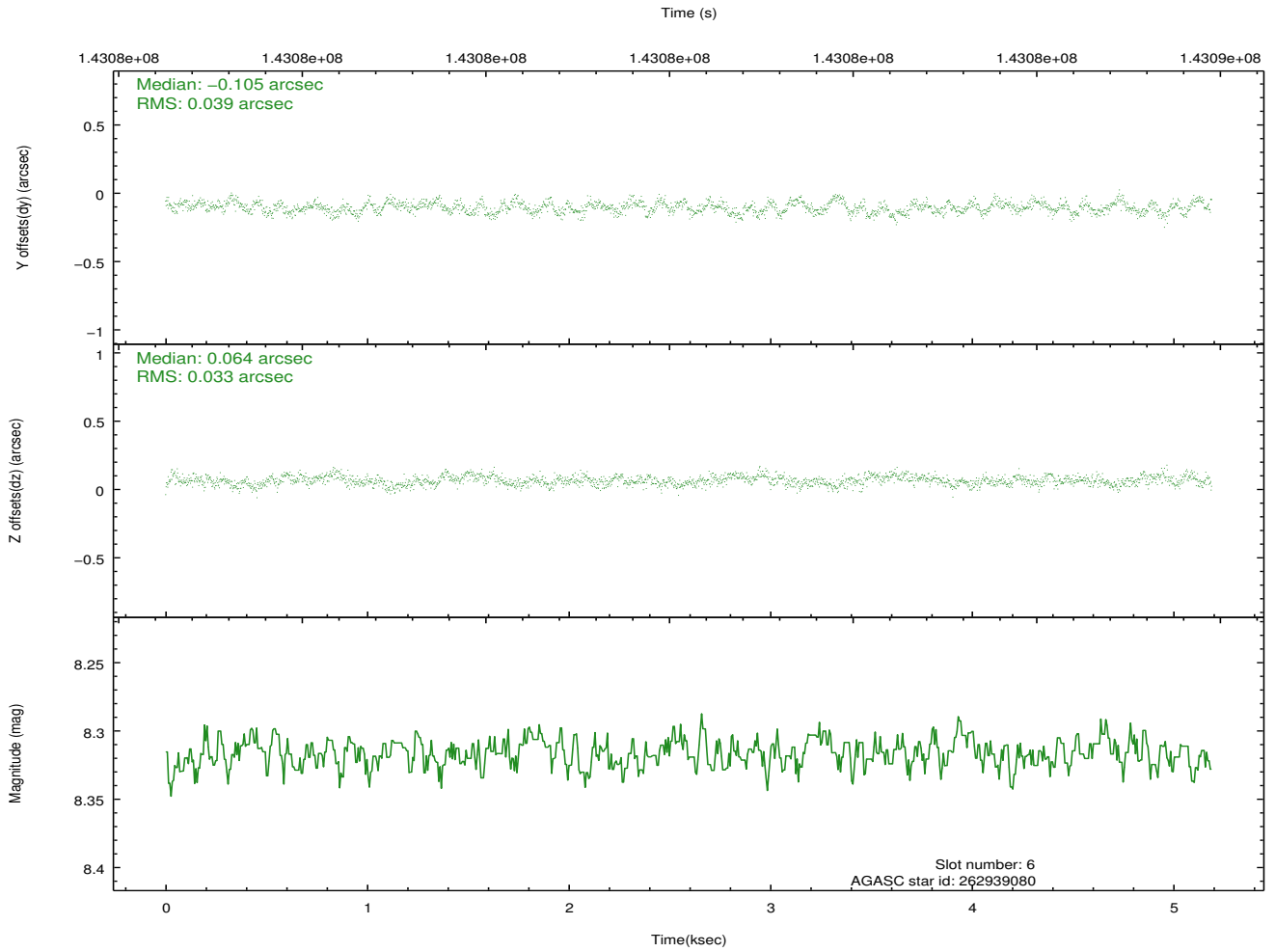
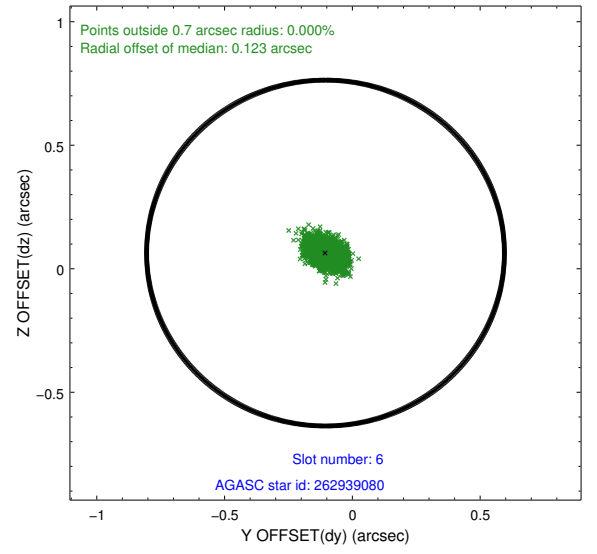
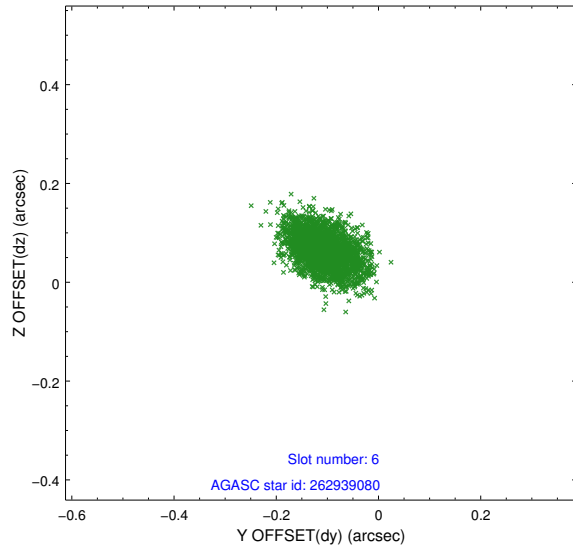
2.4.2 Slot 4



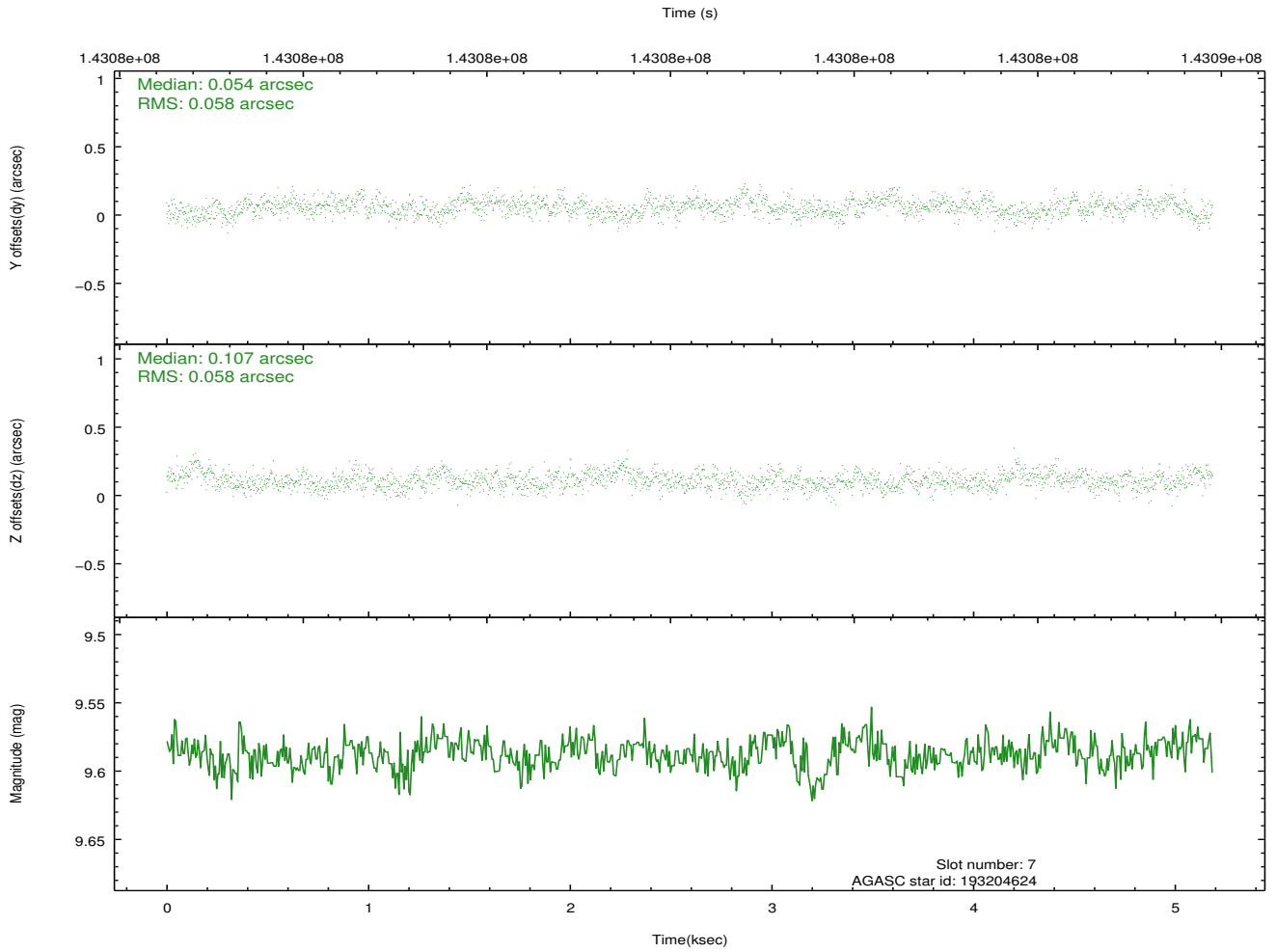
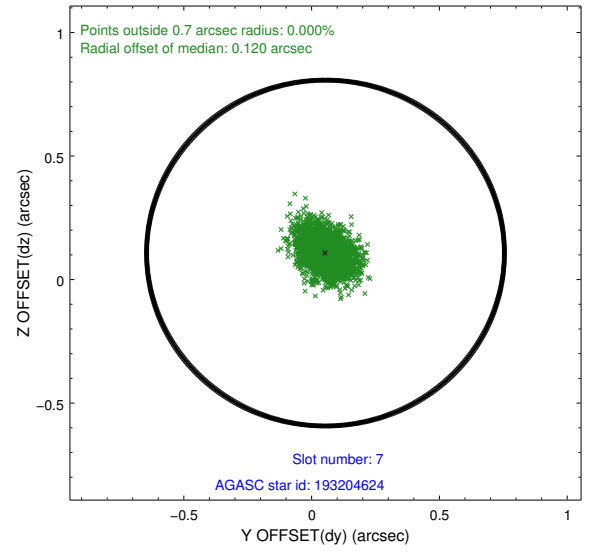
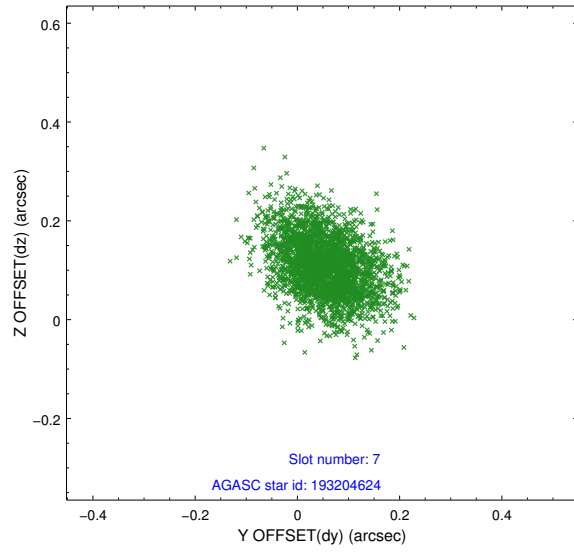
2.4.3 Slot 5



2.4.4 Slot 6

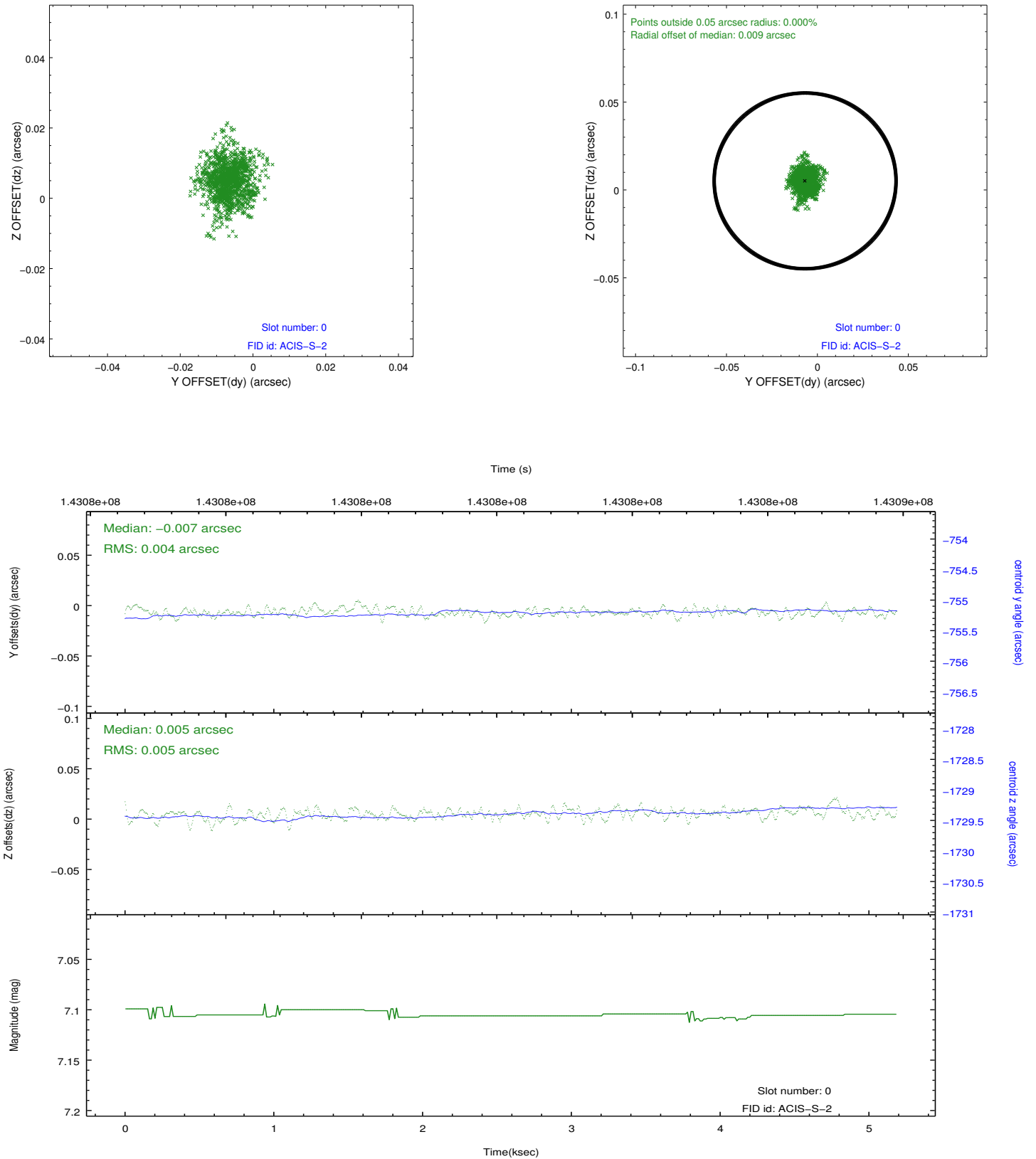


2.4.5 Slot 7

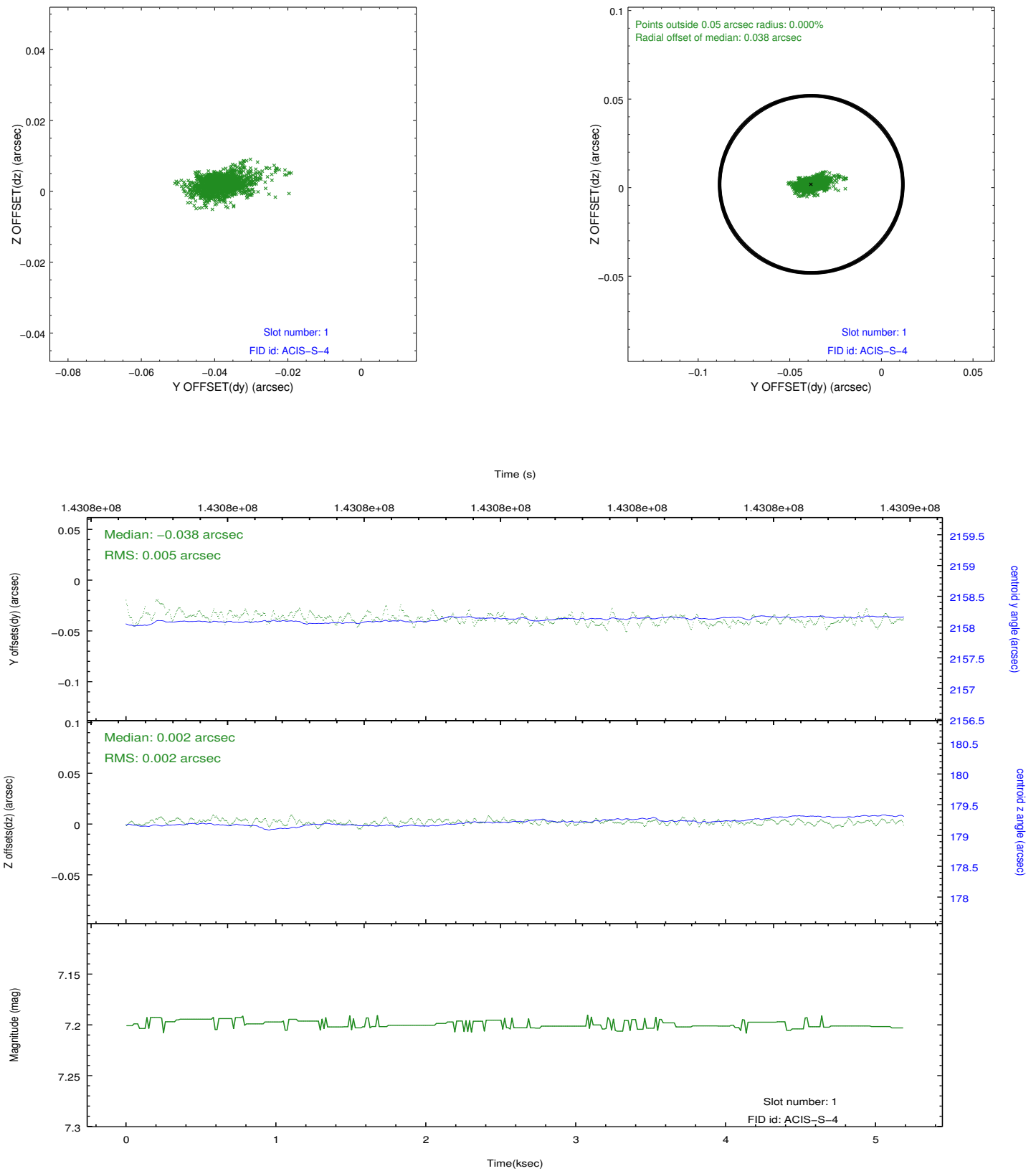


2.5 FID Slots

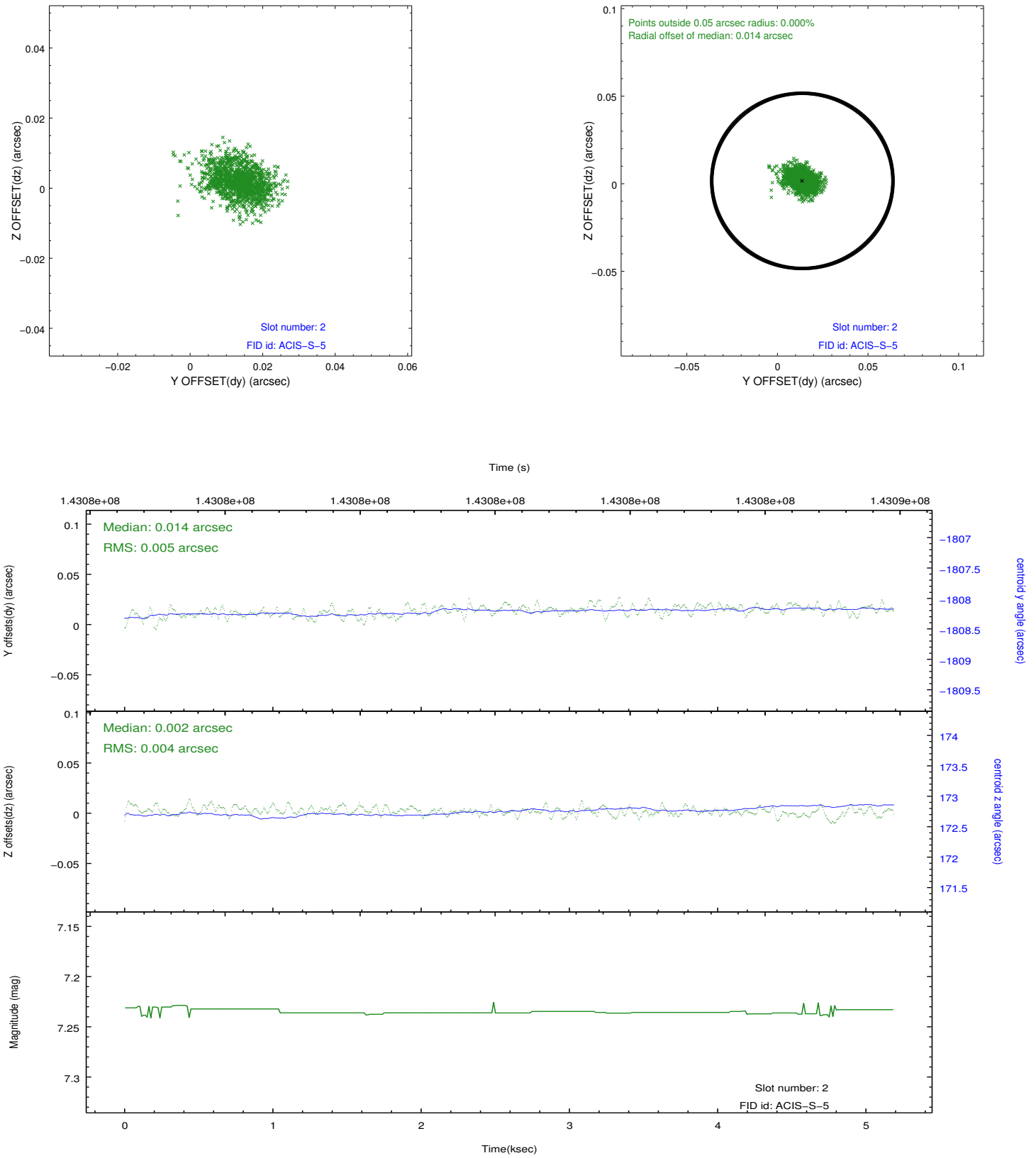
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.758

A.2 Comments

Joint Proposal: NOAO