

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7851 - L2 Version 3
Chandra X-Ray Center

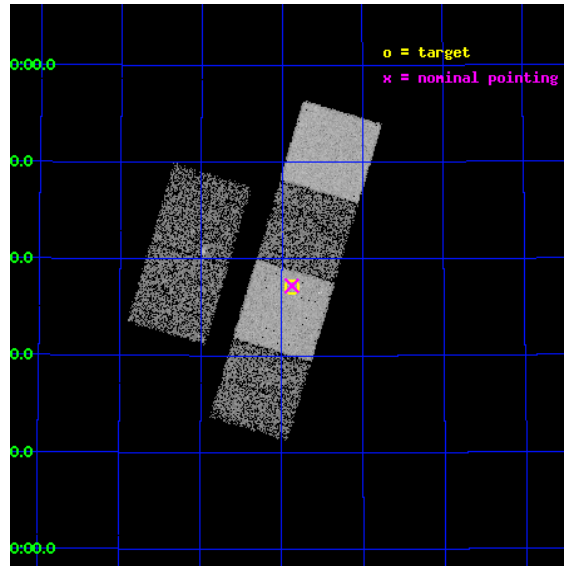
L2 Processing Date : Apr 16 2012

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1 Front

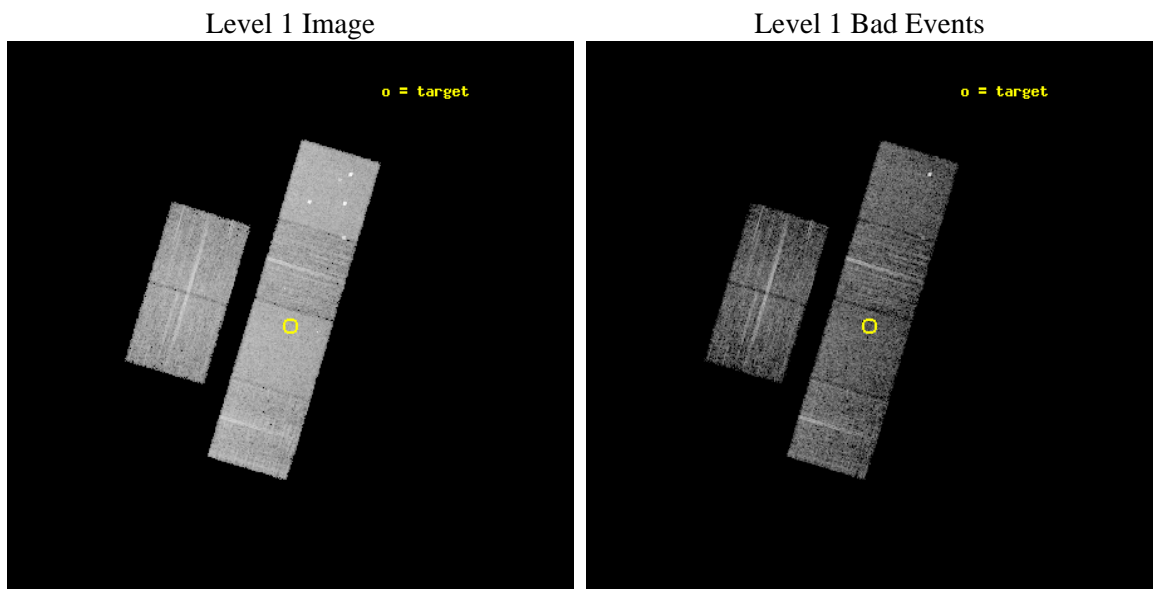
seq_num	701515	Sequence number
obs_id	7851	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	NGC 3073	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.217083	Observer's specified target RA [deg]
dec_targ	55.618833	Observer's specified target Dec [deg]
ra_nom	150.21908770355	Nominal RA [deg]
dec_nom	55.620636366701	Nominal Dec [deg]
roll_nom	106.72804324379	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4735.9999824166	Sum of GTIs [s]
livetime	4676.0298989624	Livetime [s]
ontime2	4735.9999824166	Sum of GTIs [s]
ontime3	4735.9999824166	Sum of GTIs [s]
ontime5	4735.9999824166	Sum of GTIs [s]
ontime6	4735.9999824166	Sum of GTIs [s]
ontime7	4735.9999824166	Sum of GTIs [s]
ontime8	4735.9999824166	Sum of GTIs [s]
l2events	69974	Number of level 2 events



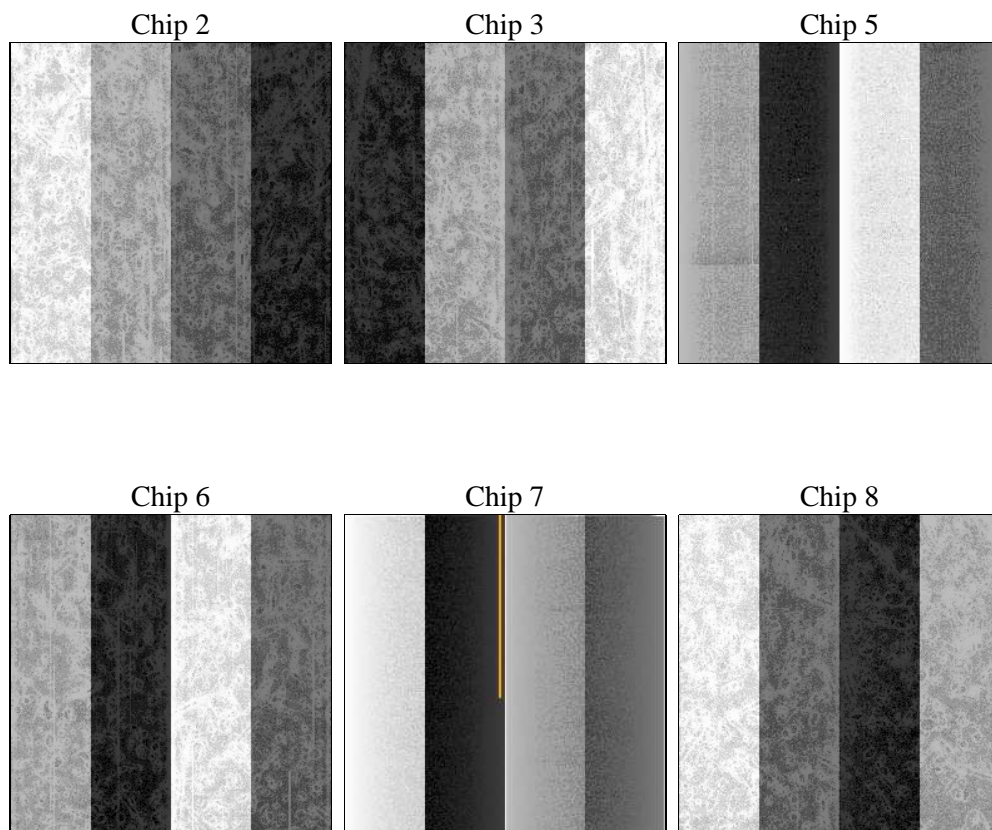
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4735.9999824166	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4735.9999824166	Sum of GTIs [s]
date	2012-04-16T04:26:46	Date and time of file creation	ontime3	4735.9999824166	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4735.9999824166	Sum of GTIs [s]
			ontime6	4735.9999824166	Sum of GTIs [s]
			ontime7	4735.9999824166	Sum of GTIs [s]
			ontime8	4735.9999824166	Sum of GTIs [s]
			l1events	306159	Number of level 1 events

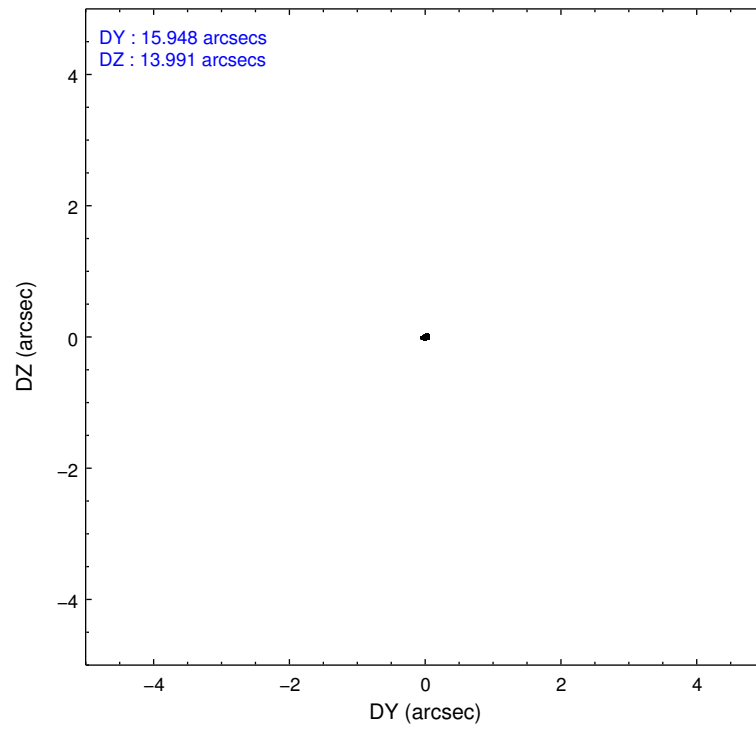
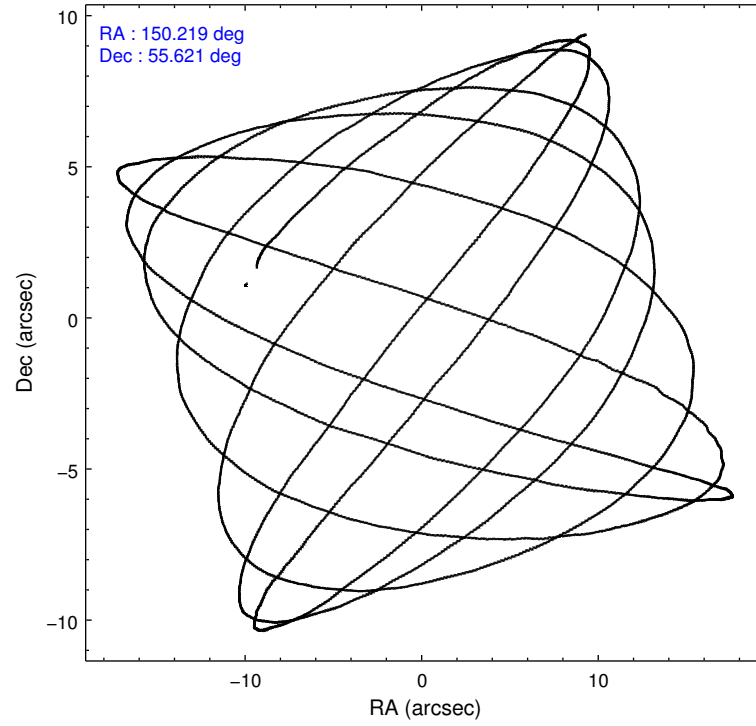
2.1.4 Events

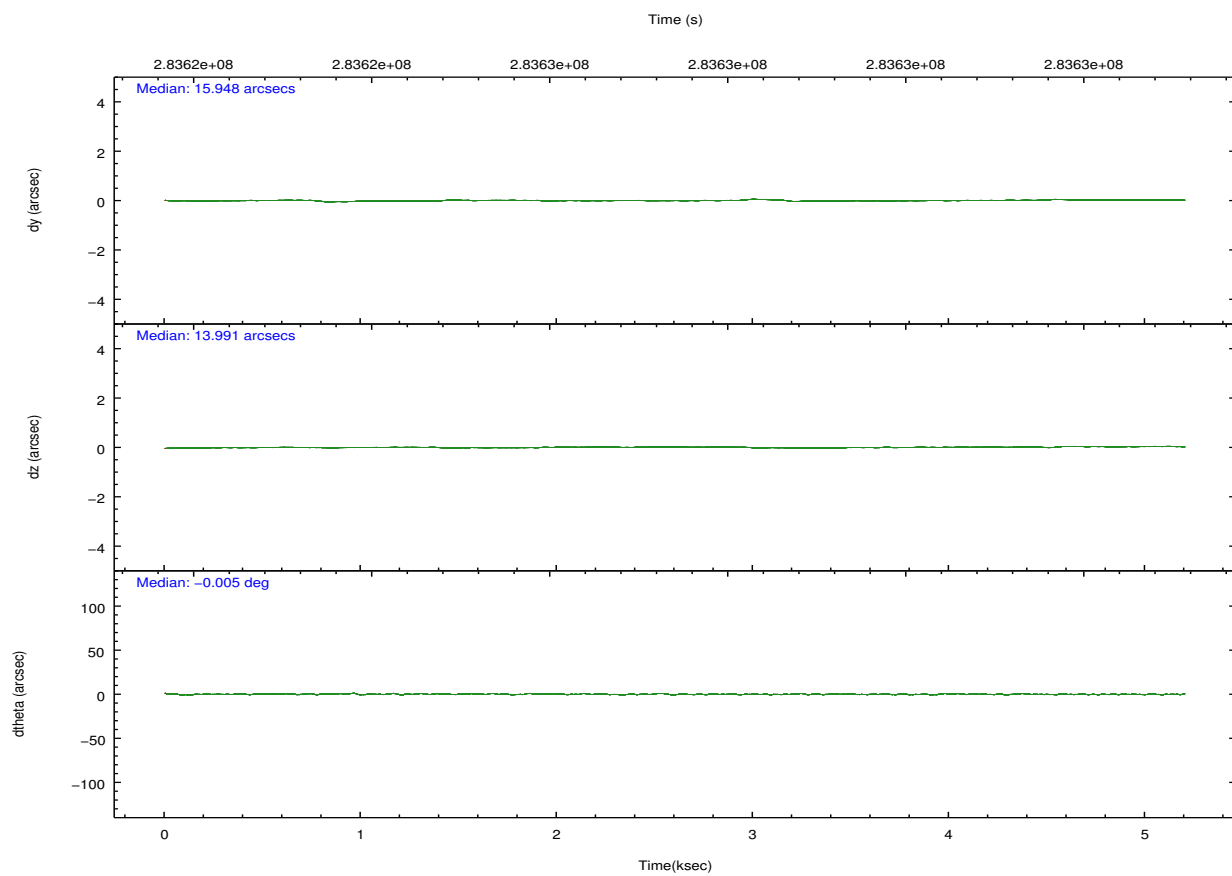
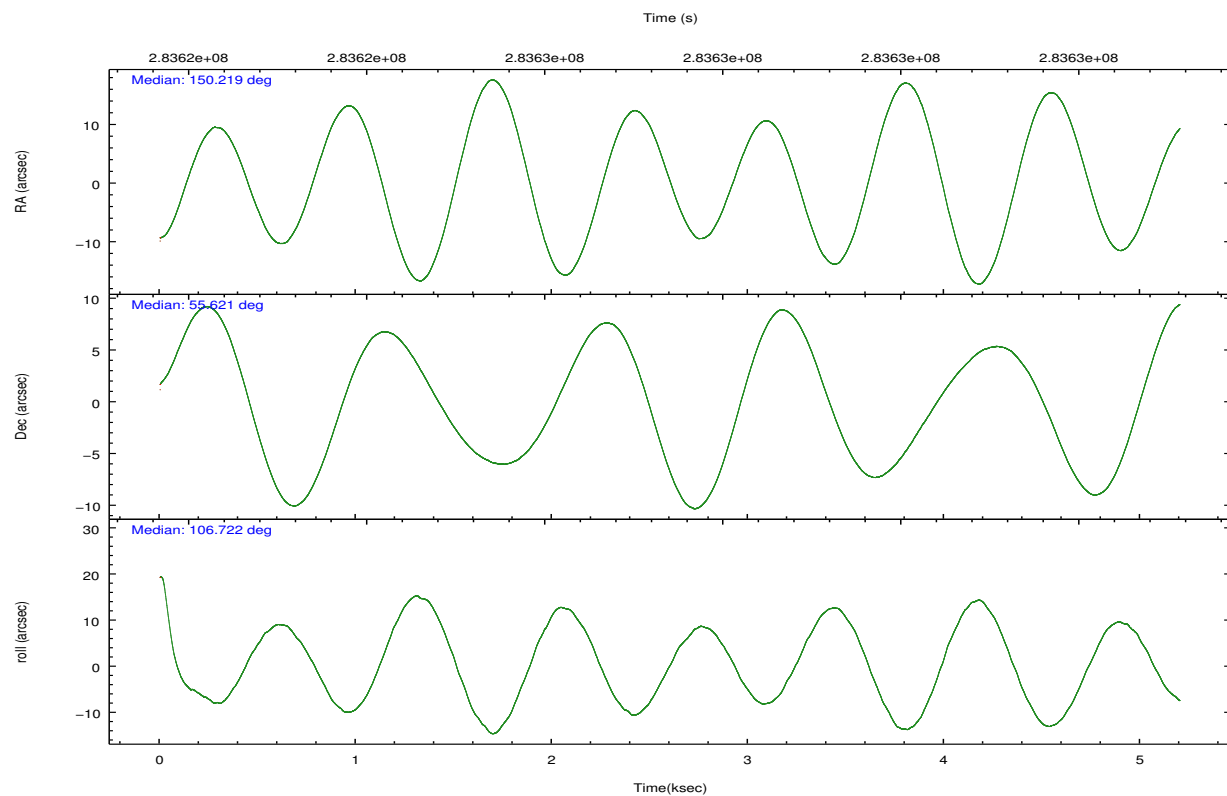
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	41975	41669	67805	42669	57802	54239	grade 0 events	2340	2271	4566	2118	2153	3789
rejected events	36902	36530	35583	37391	33772	41915		5%	5%	6%	4%	3%	6%
rejected %	87%	87%	52%	87%	58%	77%	grade 1 events	28	19	141	25	50	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	1012	1004	9702	1177	4882	2691
								2%	2%	14%	2%	8%	4%
							grade 3 events	466	500	1086	485	2038	1340
								1%	1%	1%	1%	3%	2%
							grade 4 events	460	465	1058	482	1934	1232
								1%	1%	1%	1%	3%	2%
							grade 5 events	1659	1896	5188	1978	5553	2620
								3%	4%	7%	4%	9%	4%
							grade 6 events	800	903	15833	1020	13041	3278
								1%	2%	23%	2%	22%	6%
							grade 7 events	35210	34611	30231	35384	28151	39263
								83%	83%	44%	82%	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	150.254835	150.2190877035529	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.602096	55.62063636670074	Alternating exposures requested	N	N
[deg] Pointing Roll	106.541867	106.728043243787	[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)	283624503.184000	283623432.87492			
Observation start date	2006-12-27T16:33:58	2006-12-27T16:17:12			
[s] Observation end time (MET)	283629303.184000	283629873.97522			
Observation end date	2006-12-27T17:53:58	2006-12-27T18:04:33			
Read mode	TIMED	TIMED			

2.3 Aspect



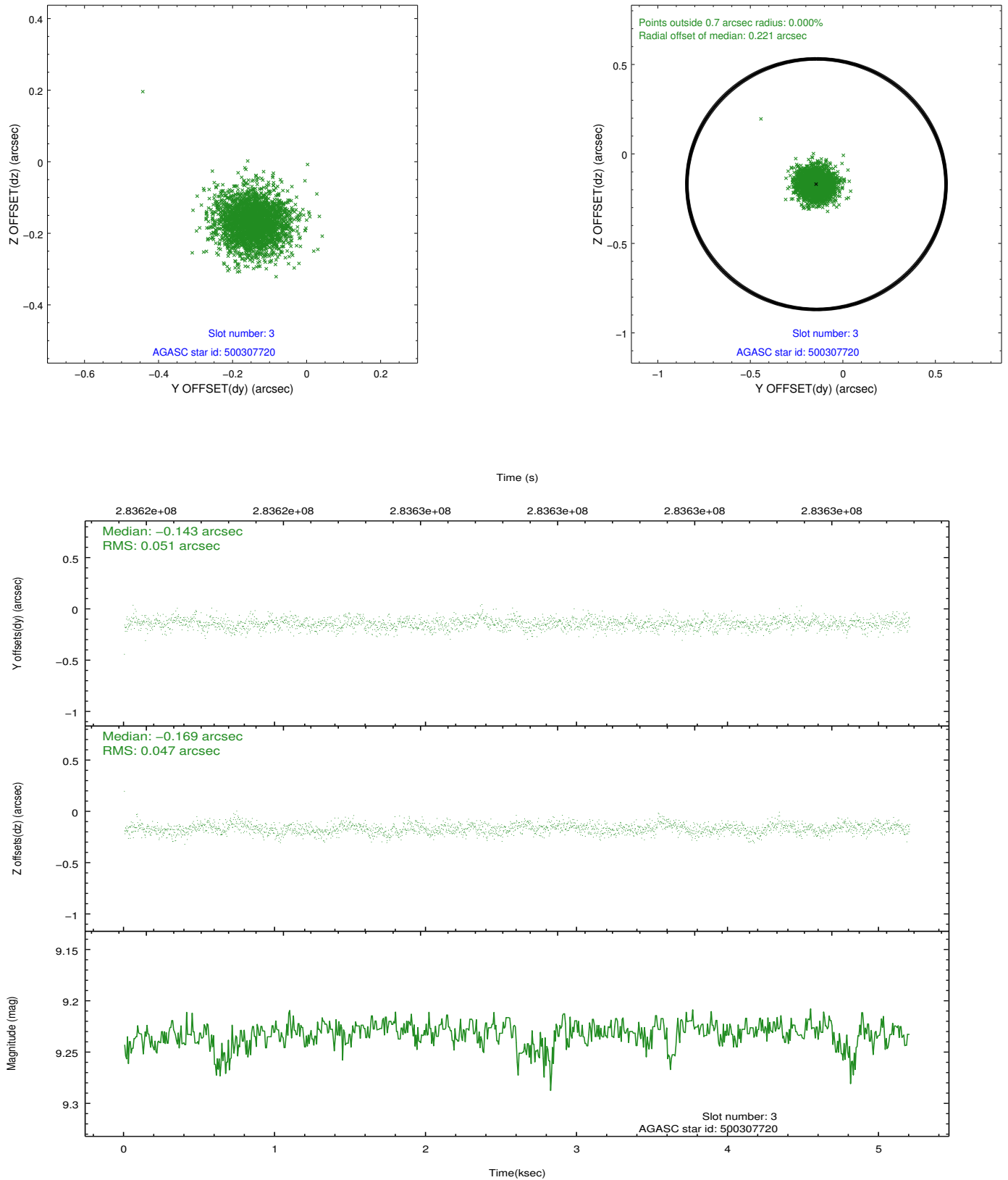


Slot Statistics

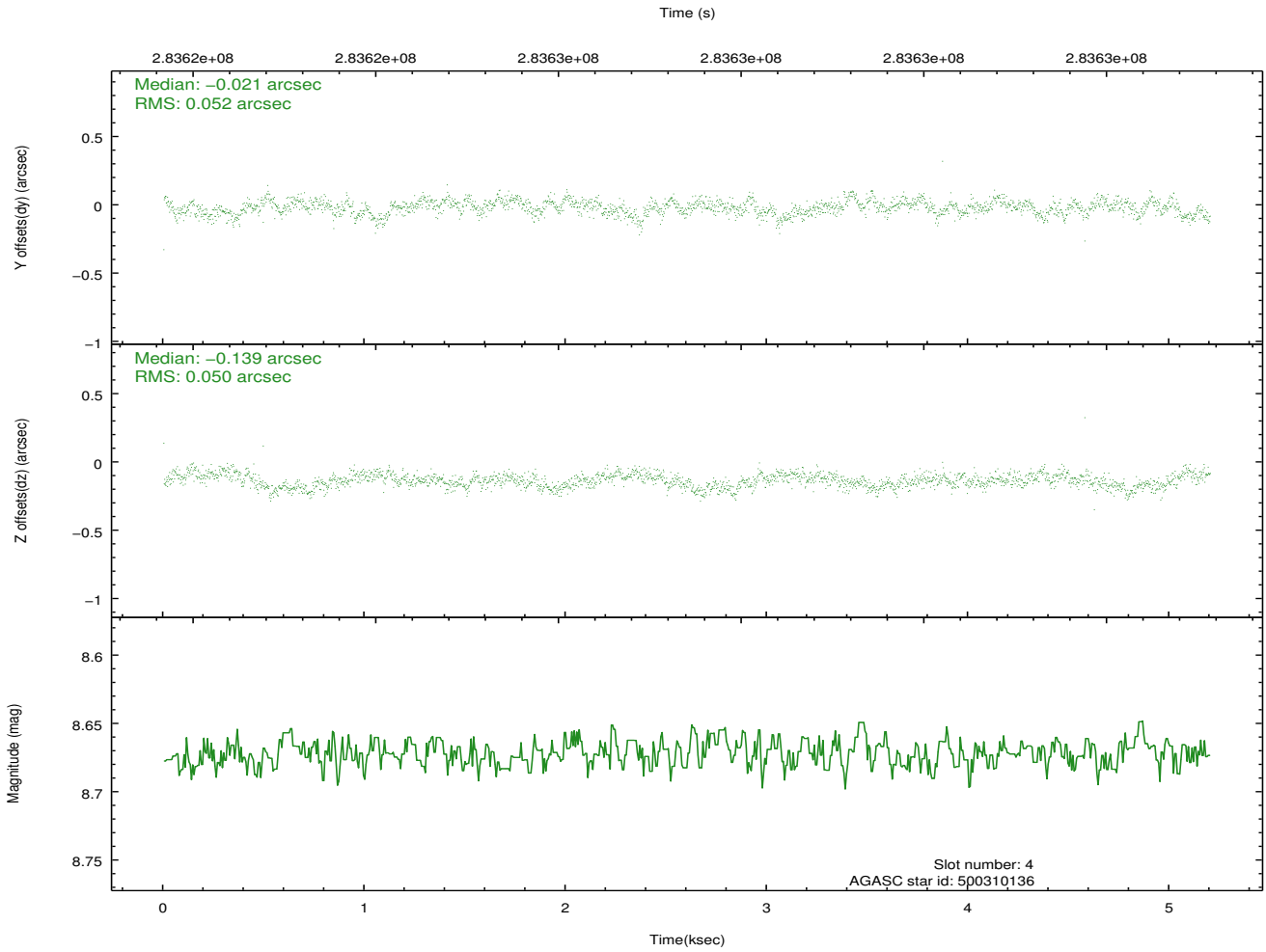
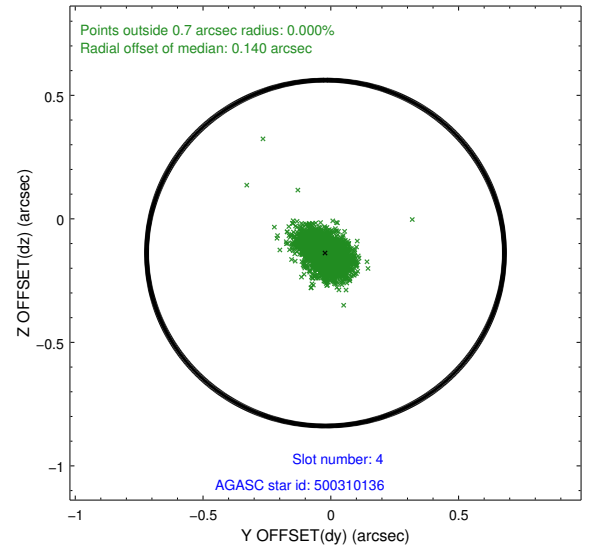
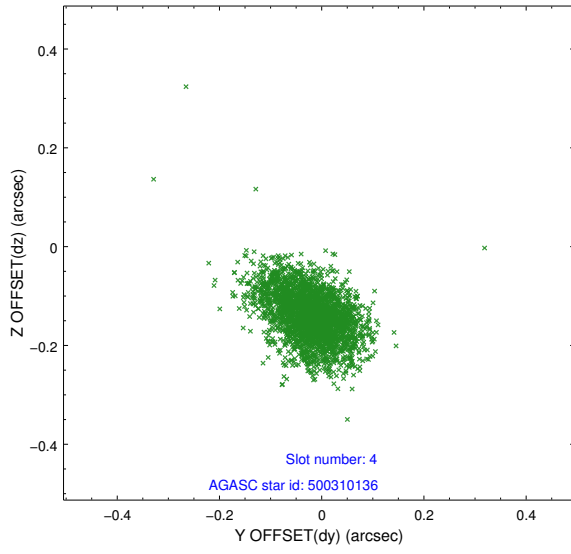
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1269	0.078	-0.046	0.006	0.011	0.000000	0.000000	927.17	-1730.97
1	FID	ACIS-S-5	7.23	1269	-0.141	0.051	0.006	0.010	0.000000	0.000000	-1821.40	165.48
2	FID	ACIS-S-6	7.34	1269	0.042	0.006	0.007	0.012	0.000000	0.000000	391.43	810.72
3	GUIDE	500307720	9.23	2535	-0.143	-0.169	0.072	0.120	149.835368	56.109010	1991.38	287.07
4	GUIDE	500310136	8.67	2536	-0.021	-0.139	0.074	0.124	149.694298	55.069248	-1504.88	1652.42
5	GUIDE	500437816	8.68	2534	-0.041	0.206	0.078	0.126	151.181905	56.134575	1319.61	-2330.90
6	GUIDE	500445048	9.21	2538	0.116	0.143	0.094	0.150	151.256801	55.105123	-2287.57	-1473.86
7	GUIDE	500309776	7.96	2537	0.093	-0.034	0.066	0.107	150.409238	55.585087	-151.24	-282.28

2.4 Star Slots

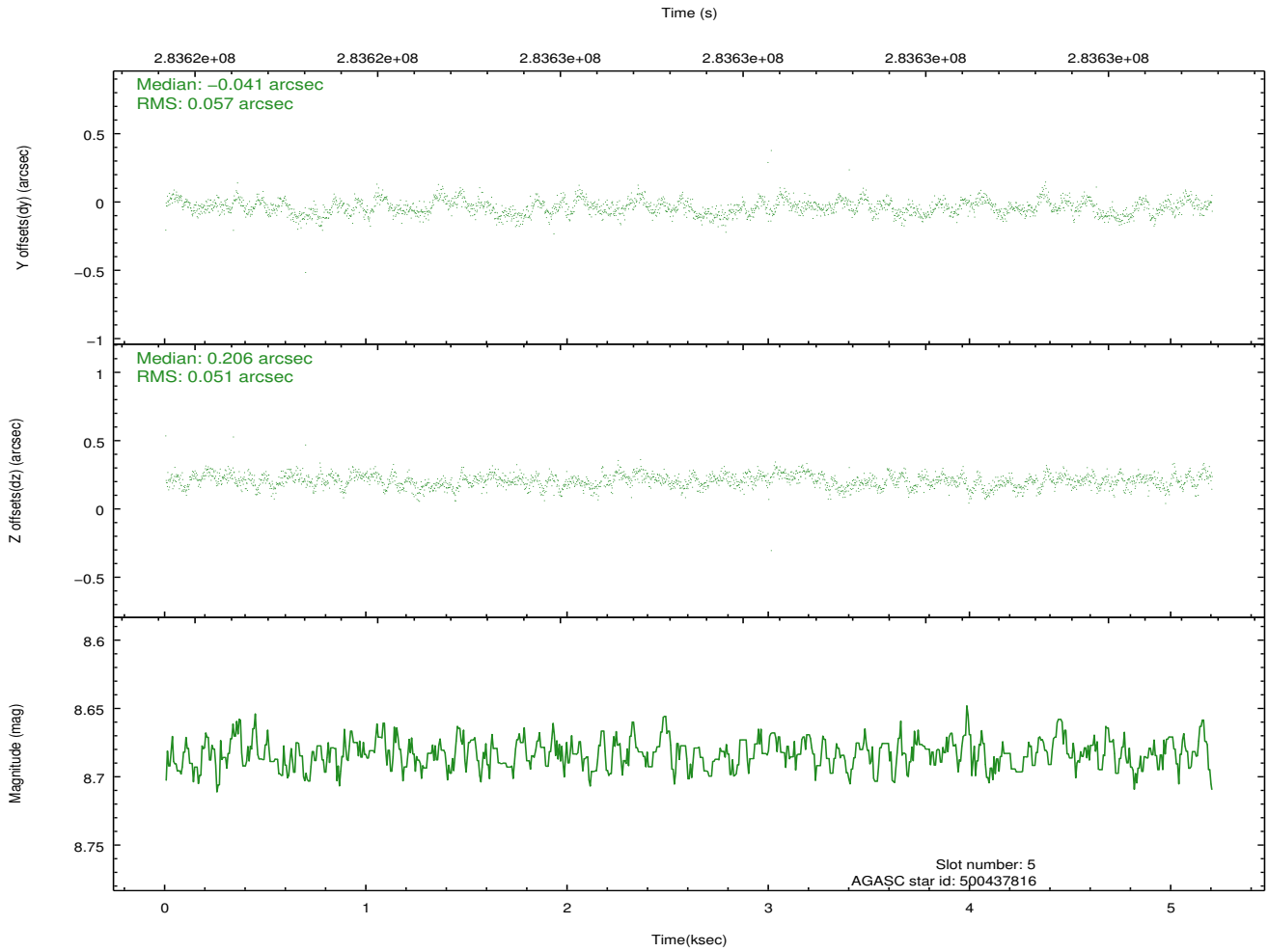
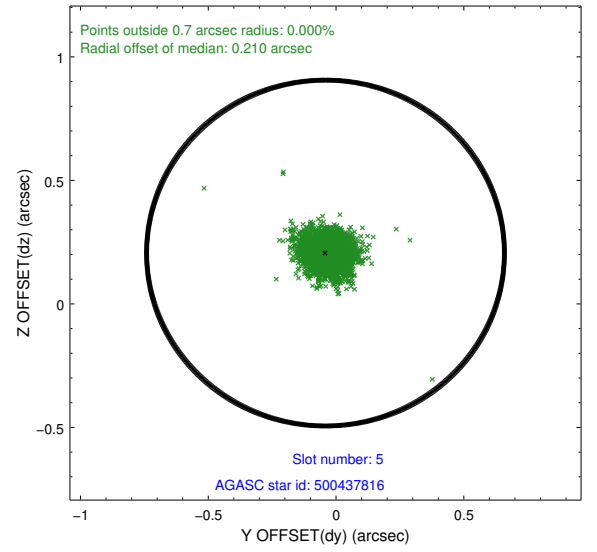
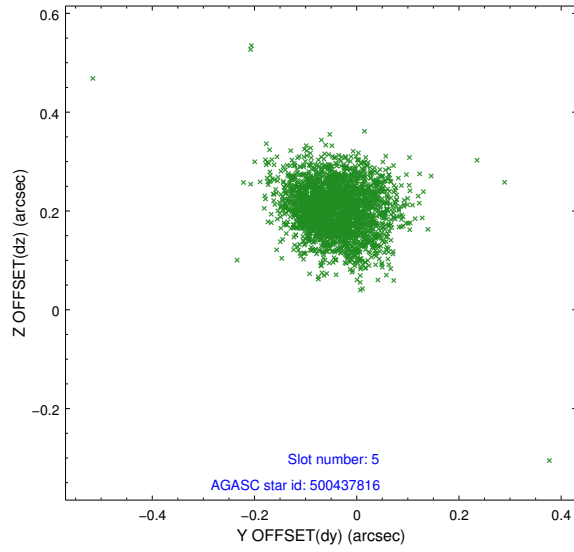
2.4.1 Slot 3



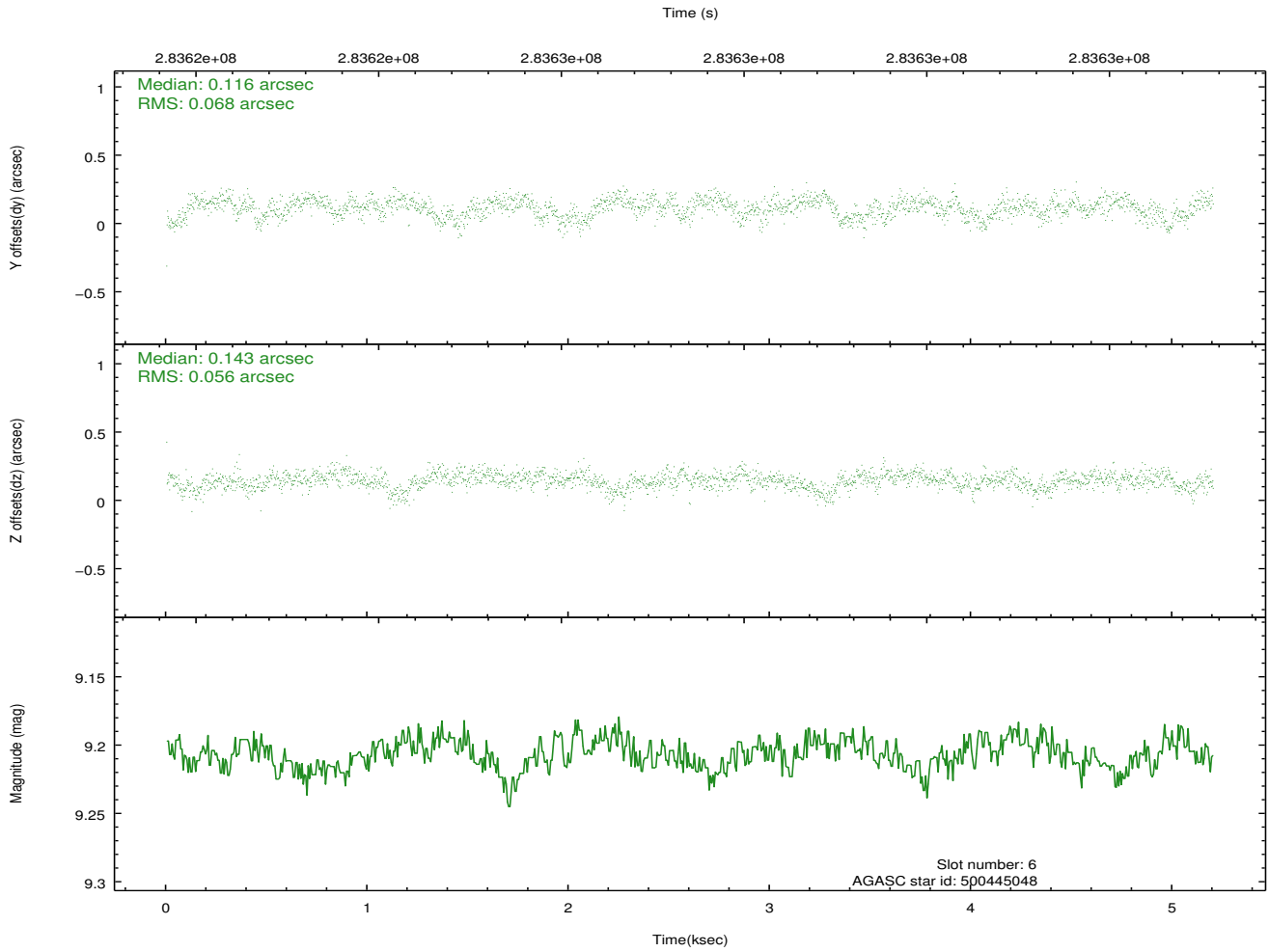
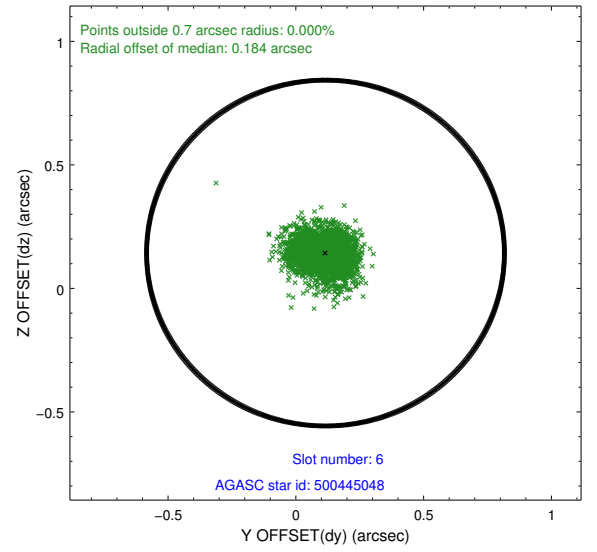
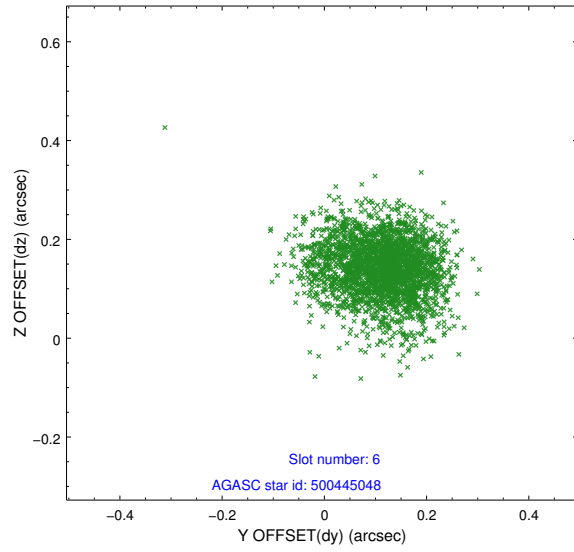
2.4.2 Slot 4



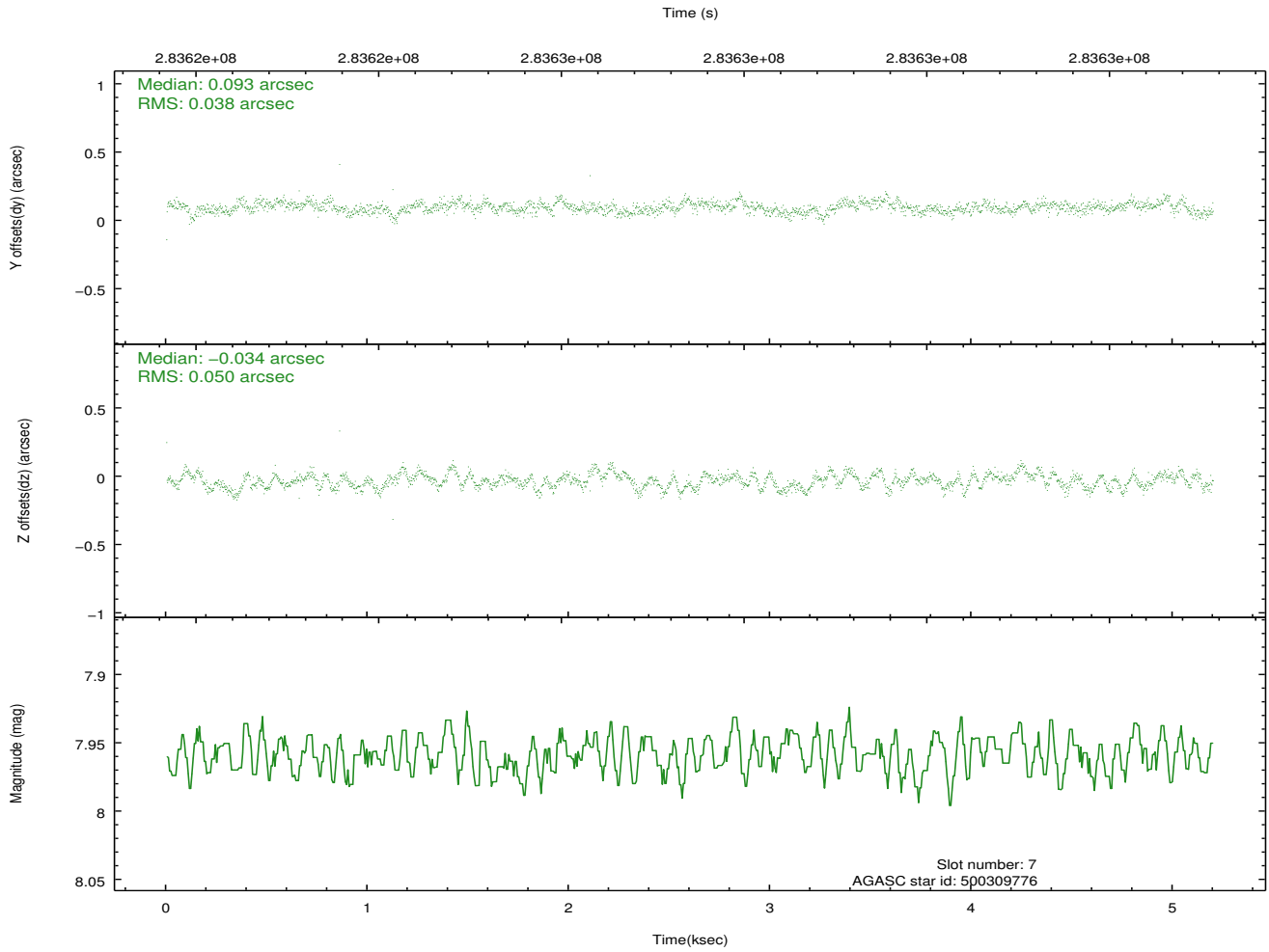
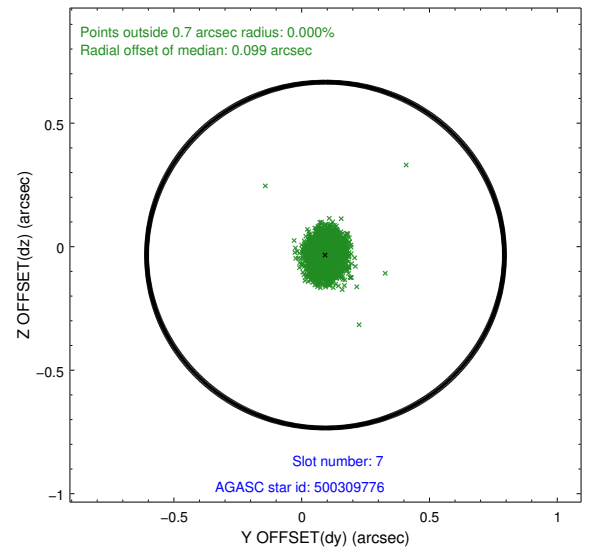
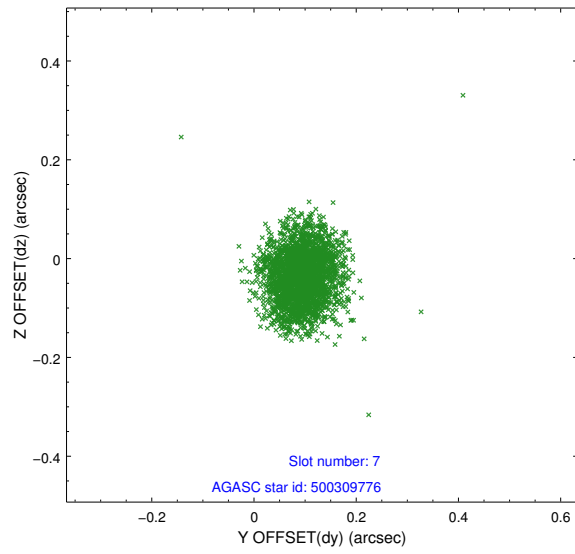
2.4.3 Slot 5



2.4.4 Slot 6

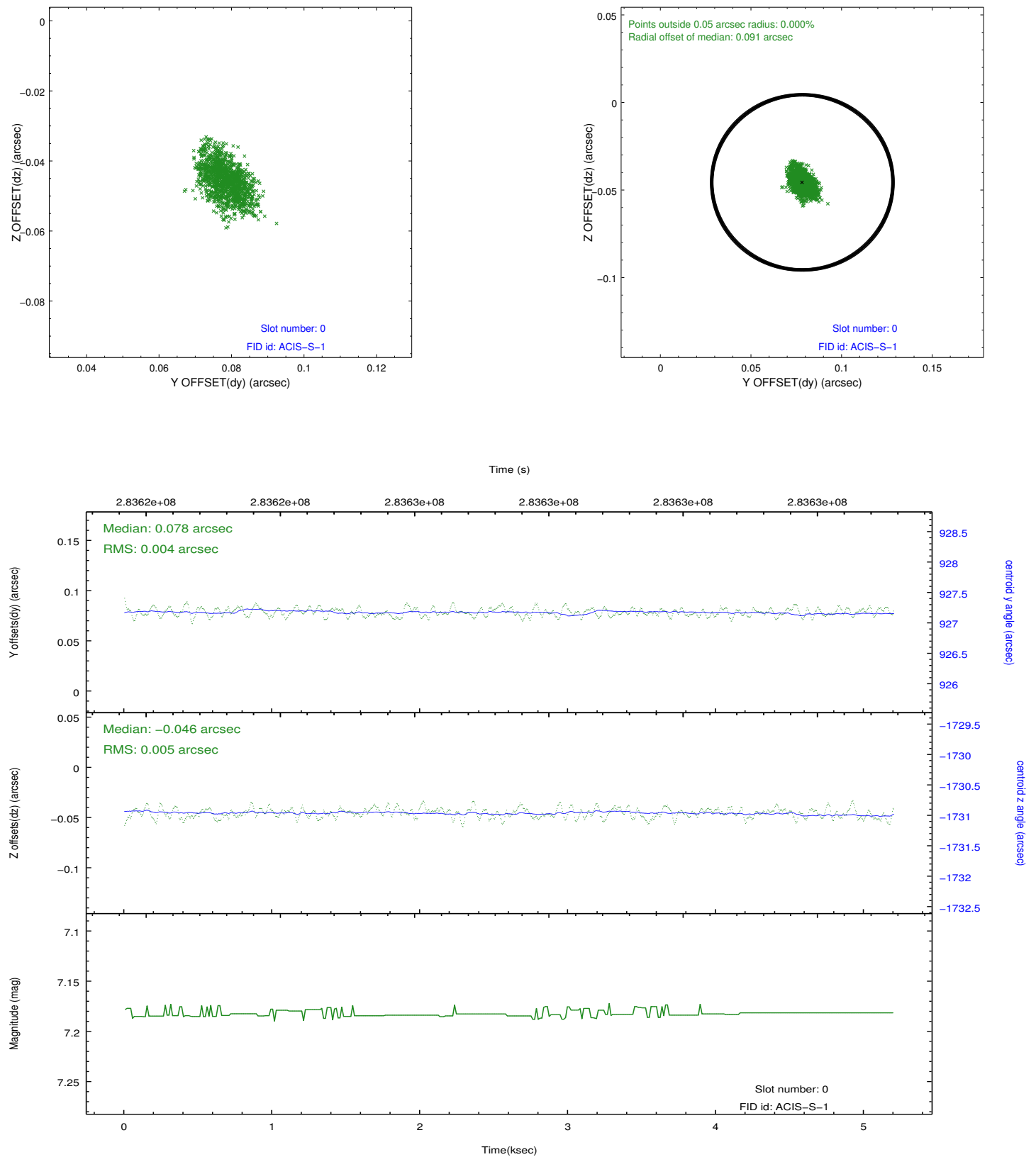


2.4.5 Slot 7

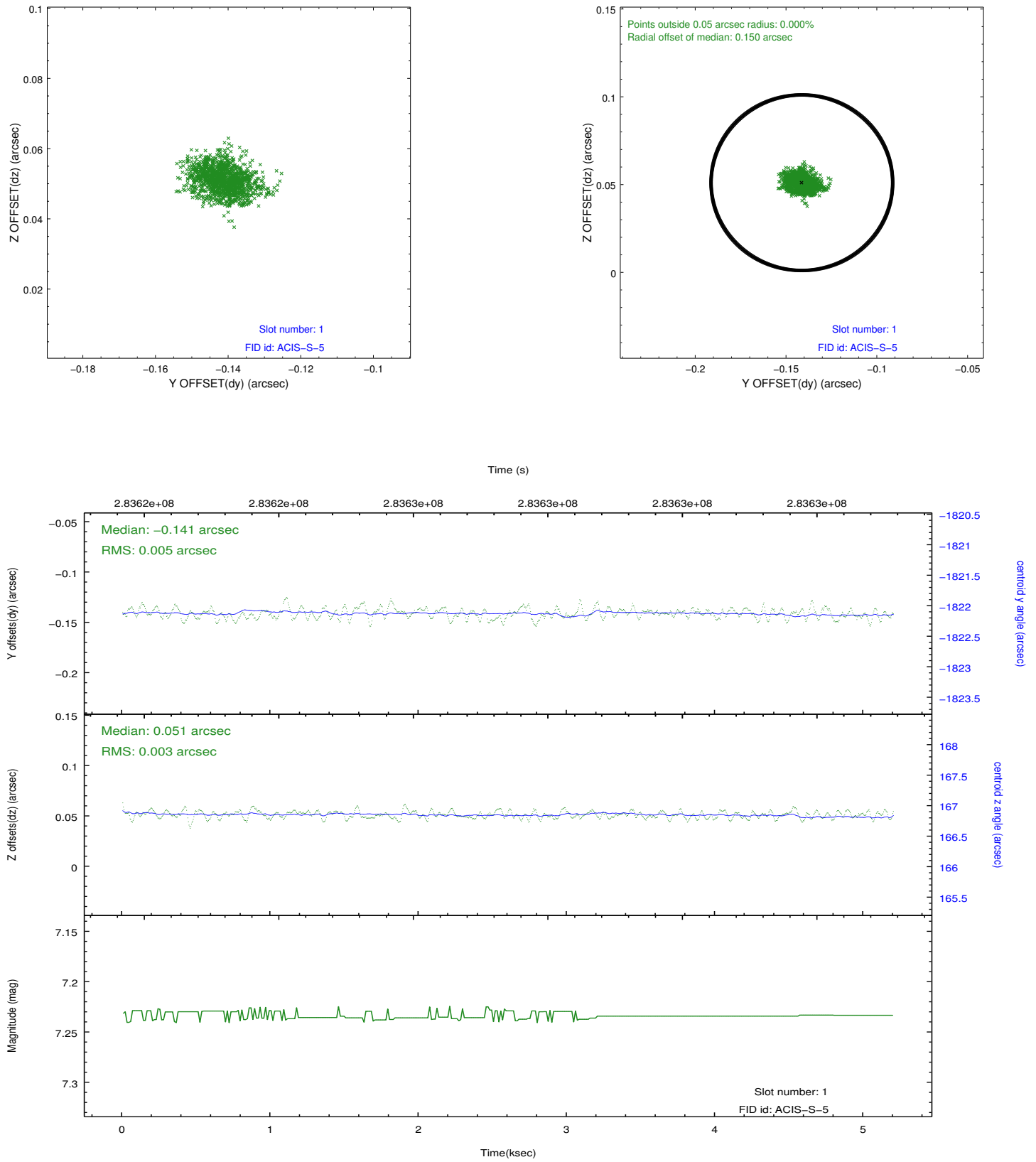


2.5 FID Slots

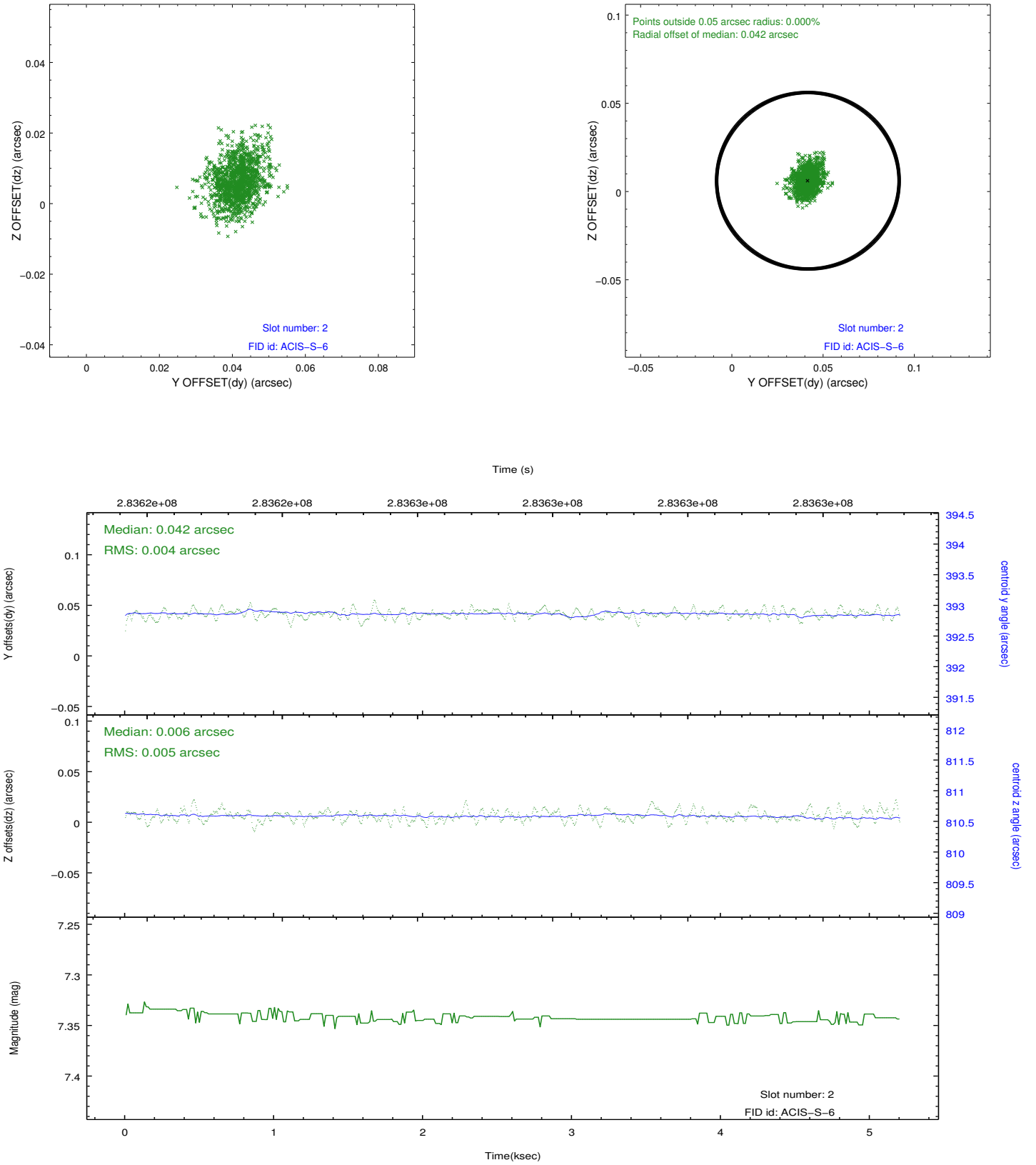
2.5.1 Slot 0



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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.73599998

A.2 Comments