

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7857 - L2 Version 3
Chandra X-Ray Center

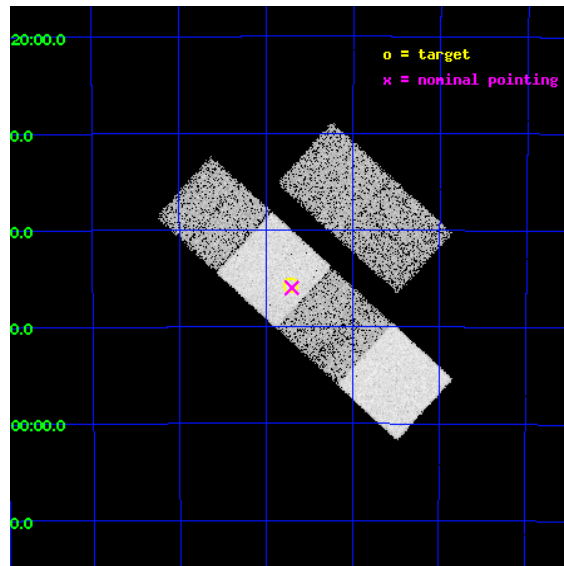
L2 Processing Date : Apr 21 2012

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1 Front

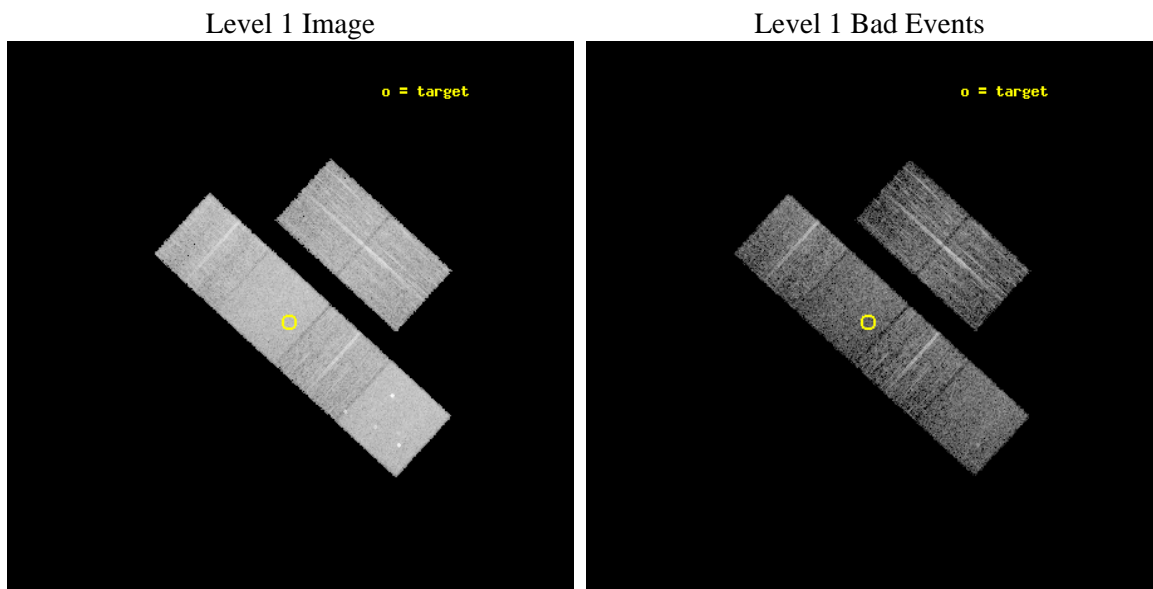
seq_num	701521	Sequence number
obs_id	7857	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	NGC 685	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	26.928333	Observer's specified target RA [deg]
dec_targ	-52.761806	Observer's specified target Dec [deg]
ra_nom	26.926021582149	Nominal RA [deg]
dec_nom	-52.766528209928	Nominal Dec [deg]
roll_nom	222.35980928729	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4753.7634801865	Sum of GTIs [s]
livetime	4693.5684646276	Livetime [s]
ontime2	4753.8045201898	Sum of GTIs [s]
ontime3	4753.6403601766	Sum of GTIs [s]
ontime5	4753.7224401832	Sum of GTIs [s]
ontime6	4753.6814001799	Sum of GTIs [s]
ontime7	4753.7634801865	Sum of GTIs [s]
ontime8	4753.5993201733	Sum of GTIs [s]
l2events	92283	Number of level 2 events



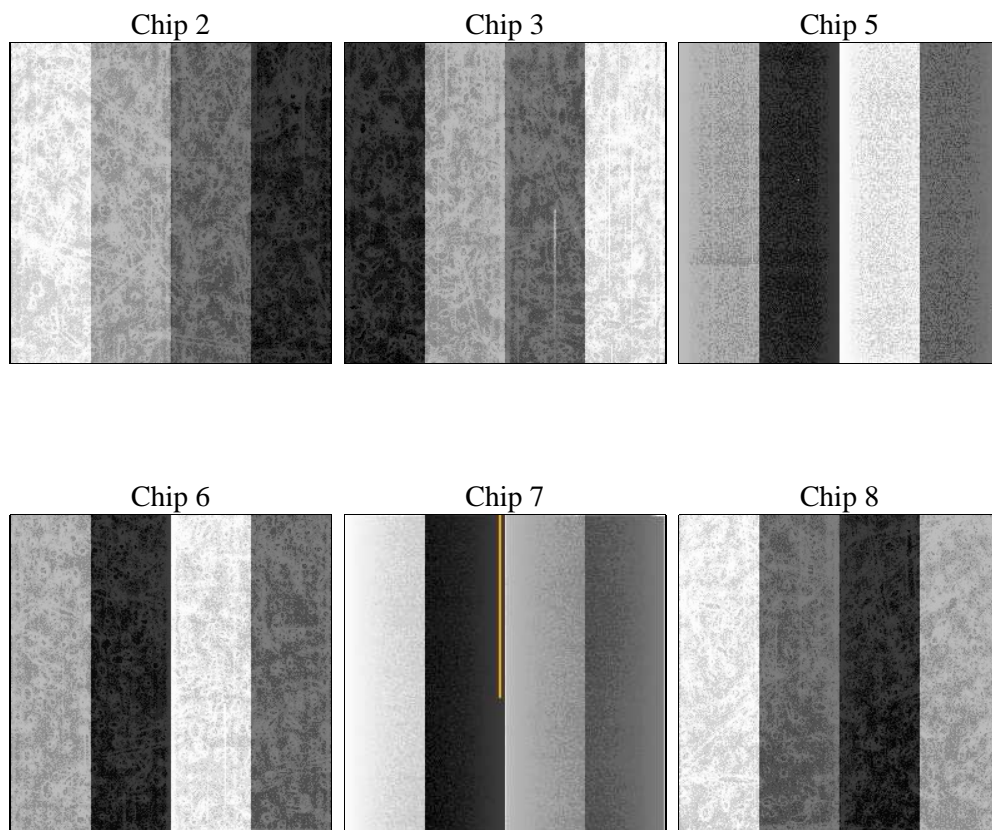
2 OBI

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	8.4.4	Processing system revision	ontime	4753.7634801865	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4753.8045201898	Sum of GTIs [s]
date	2012-04-21T13:26:34	Date and time of file creation	ontime3	4753.6403601766	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4753.7224401832	Sum of GTIs [s]
			ontime6	4753.6814001799	Sum of GTIs [s]
			ontime7	4753.7634801865	Sum of GTIs [s]
			ontime8	4753.5993201733	Sum of GTIs [s]
			l1events	335020	Number of level 1 events

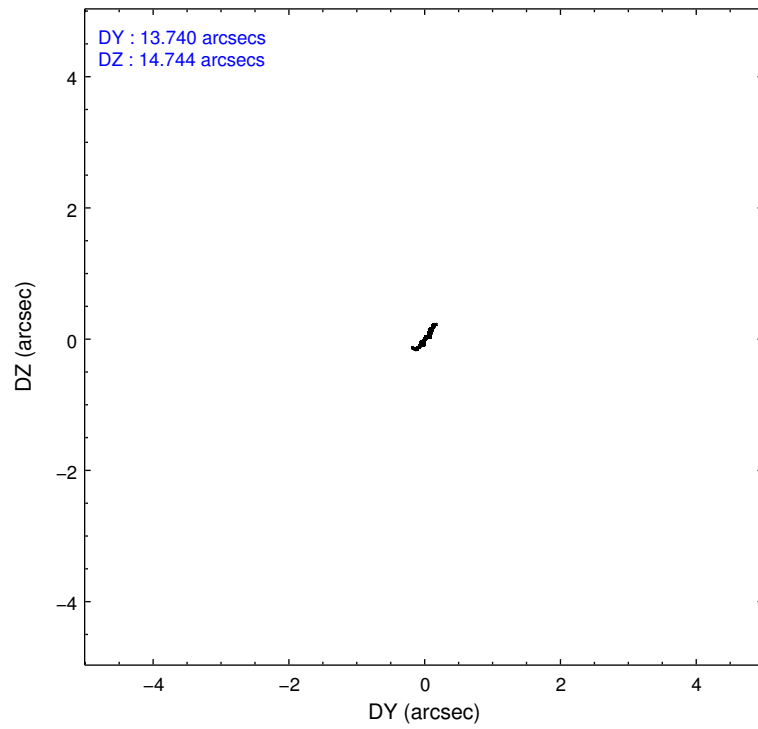
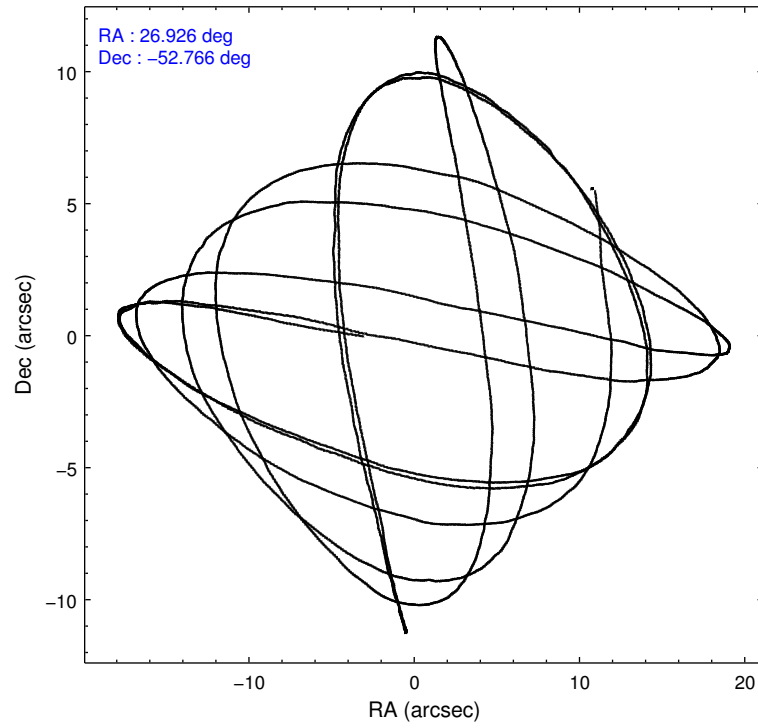
2.1.4 Events

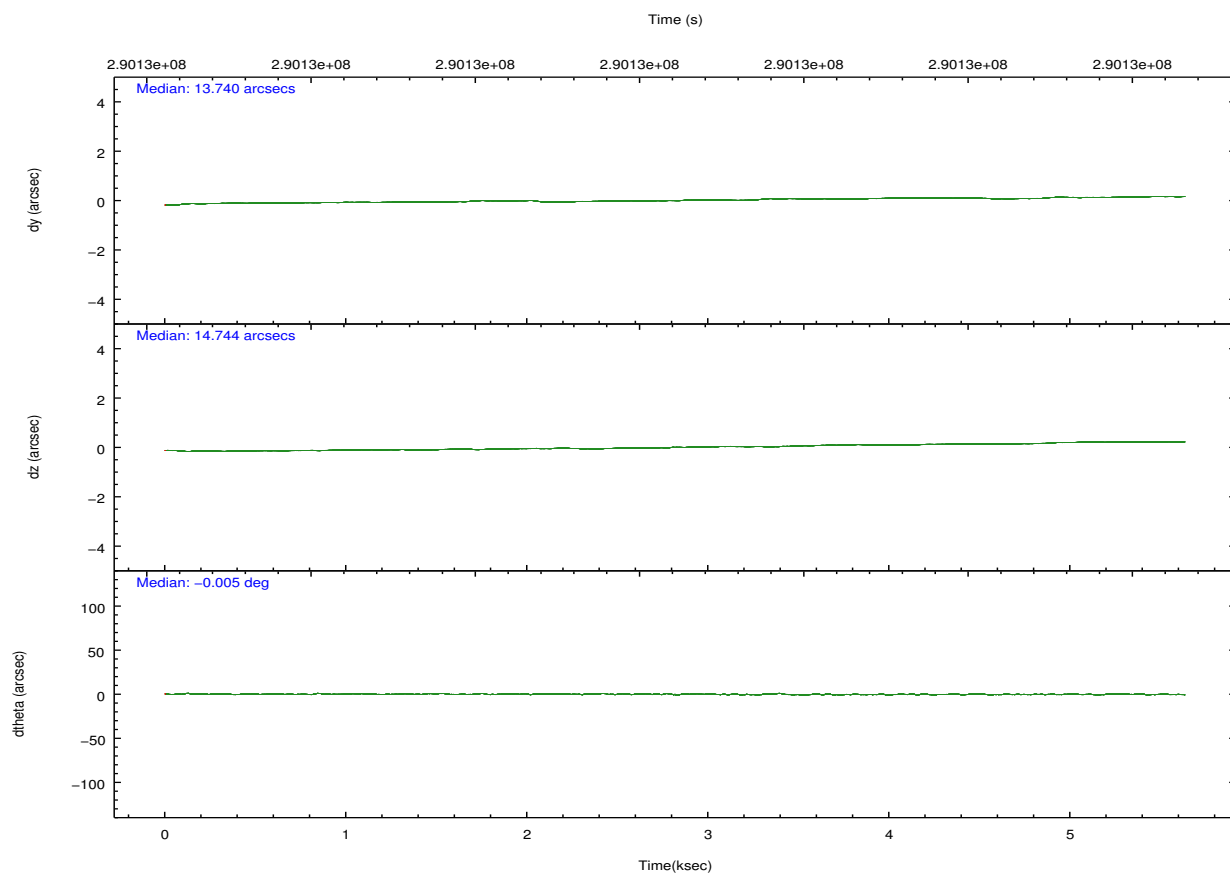
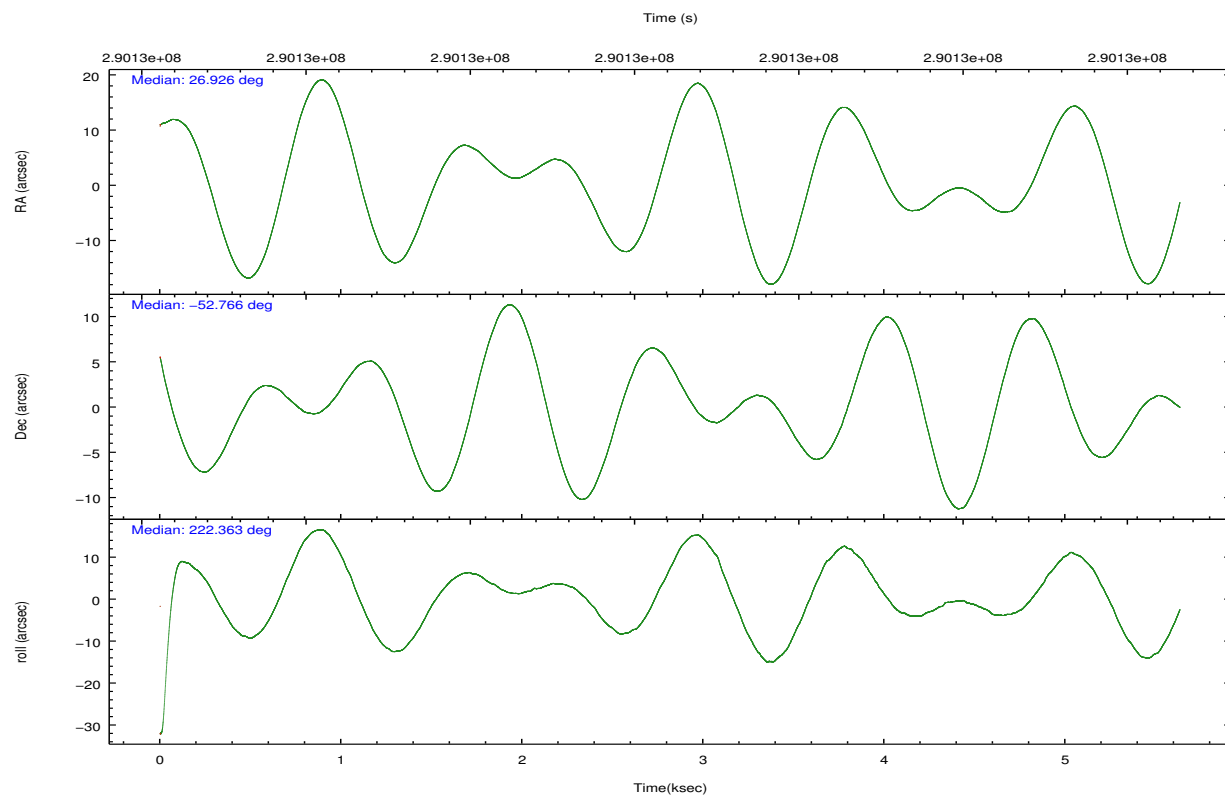
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47660	44780	71654	46901	64583	59442	grade 0 events	4450	4516	4184	4476	2668	6144
rejected events	39738	36560	36150	38512	34795	43866		9%	10%	5%	9%	4%	10%
rejected %	83%	81%	50%	82%	53%	73%	grade 1 events	41	50	186	28	62	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	1349	1331	10448	1442	5807	3132
								2%	2%	14%	3%	8%	5%
							grade 3 events	574	607	1378	634	2369	1344
								1%	1%	1%	1%	3%	2%
							grade 4 events	545	617	1376	566	2419	1285
								1%	1%	1%	1%	3%	2%
							grade 5 events	1728	1977	4769	1993	5707	2832
								3%	4%	6%	4%	8%	4%
							grade 6 events	1007	1152	18137	1274	16546	3678
								2%	2%	25%	2%	25%	6%
							grade 7 events	37966	34530	31176	36488	29005	40976
								79%	77%	43%	77%	44%	68%

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	26.939221	26.92602158214886	Subarray requested	NONE	NONE
[deg] Pointing Dec	-52.740305	-52.76652820992806	Alternating exposures requested	N	N
[deg] Pointing Roll	222.213798	222.3598092872871	[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)	290127236.184000	290125807.17099			
Observation start date	2007-03-12T22:52:51	2007-03-12T22:30:07			
[s] Observation end time (MET)	290132036.184000	290132667.49631			
Observation end date	2007-03-13T00:12:51	2007-03-13T00:24:27			
Read mode	TIMED	TIMED			

2.3 Aspect



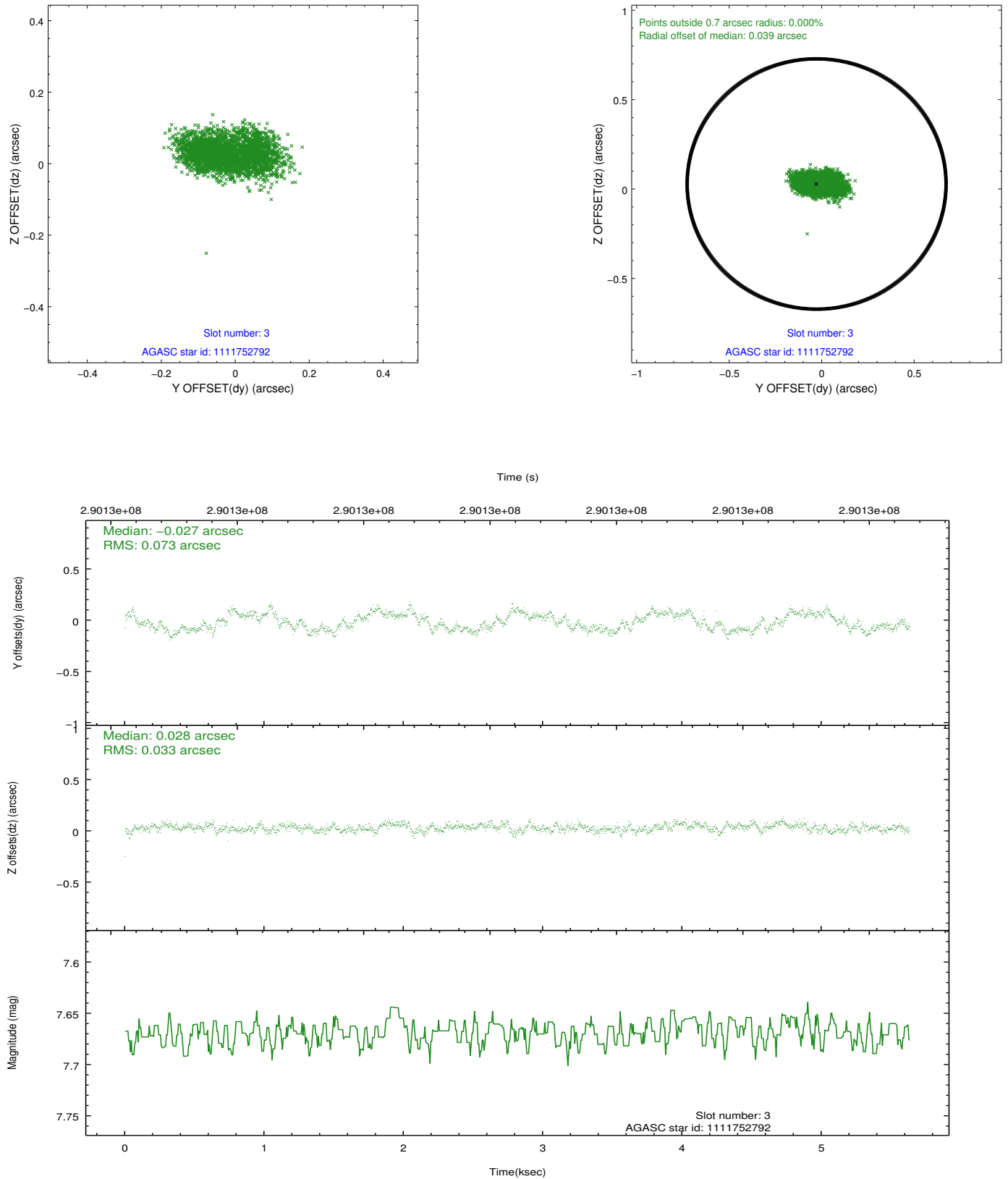


Slot Statistics

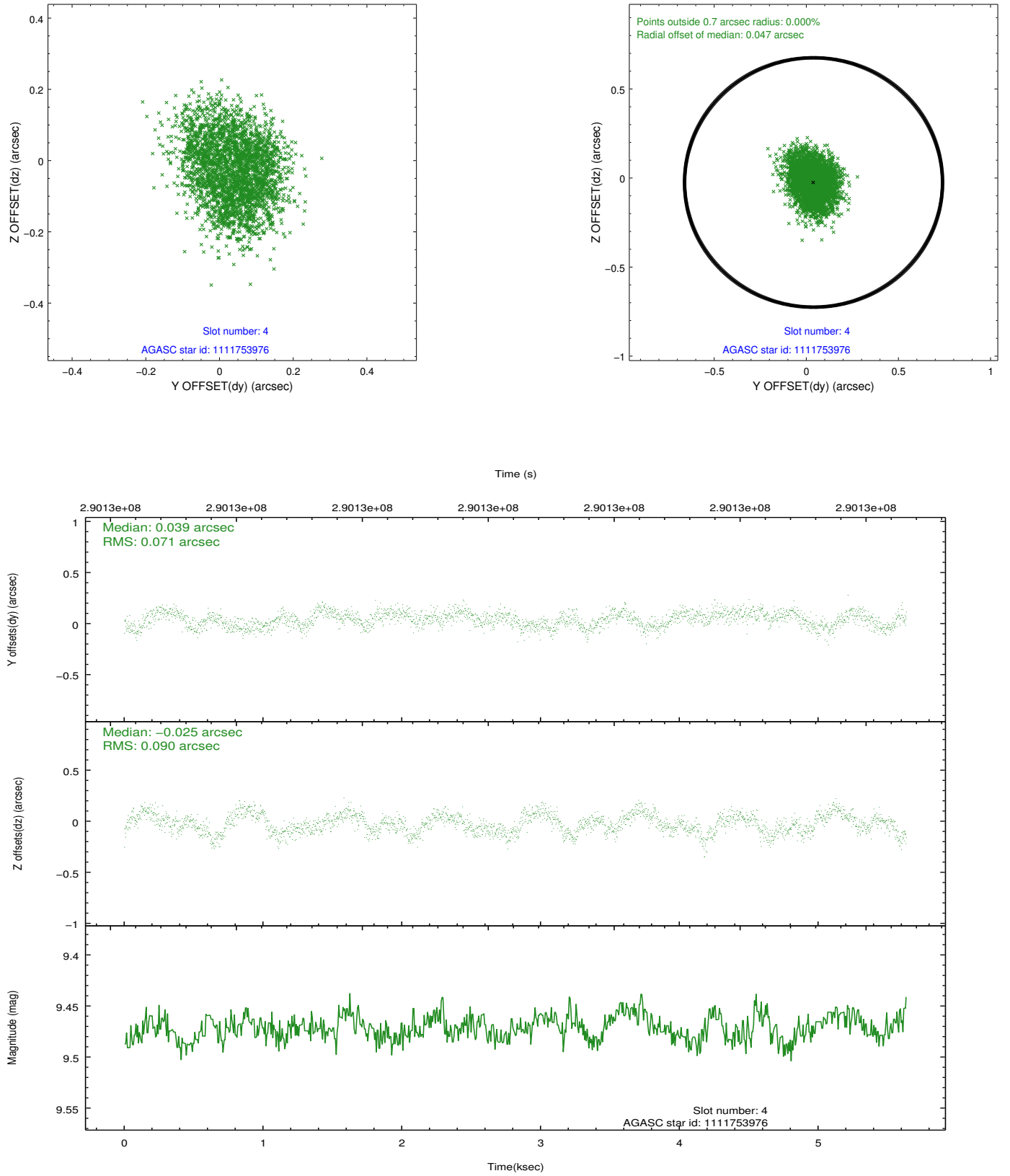
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1375	-0.063	-0.045	0.008	0.012	0.000000	0.000000	-766.73	-1736.18
1	FID	ACIS-S-4	7.19	1375	0.207	0.043	0.007	0.012	0.000000	0.000000	2146.31	171.31
2	FID	ACIS-S-5	7.22	1375	-0.175	0.011	0.008	0.012	0.000000	0.000000	-1818.34	166.12
3	GUIDE	1111752792	7.67	2747	-0.027	0.028	0.085	0.136	28.252193	-52.691733	-2222.00	1815.20
4	GUIDE	1111753976	9.47	2747	0.039	-0.025	0.123	0.192	27.548970	-52.776585	-893.06	993.96
5	GUIDE	1111760016	9.70	2745	0.129	0.009	0.158	0.236	27.348850	-52.911756	-242.97	1057.19
6	GUIDE	1111760352	9.29	2747	-0.027	-0.033	0.092	0.143	27.258949	-53.309198	867.13	1980.65
7	GUIDE	1111760880	9.01	2746	-0.114	0.026	0.086	0.139	27.283321	-53.011392	104.84	1225.92

2.4 Star Slots

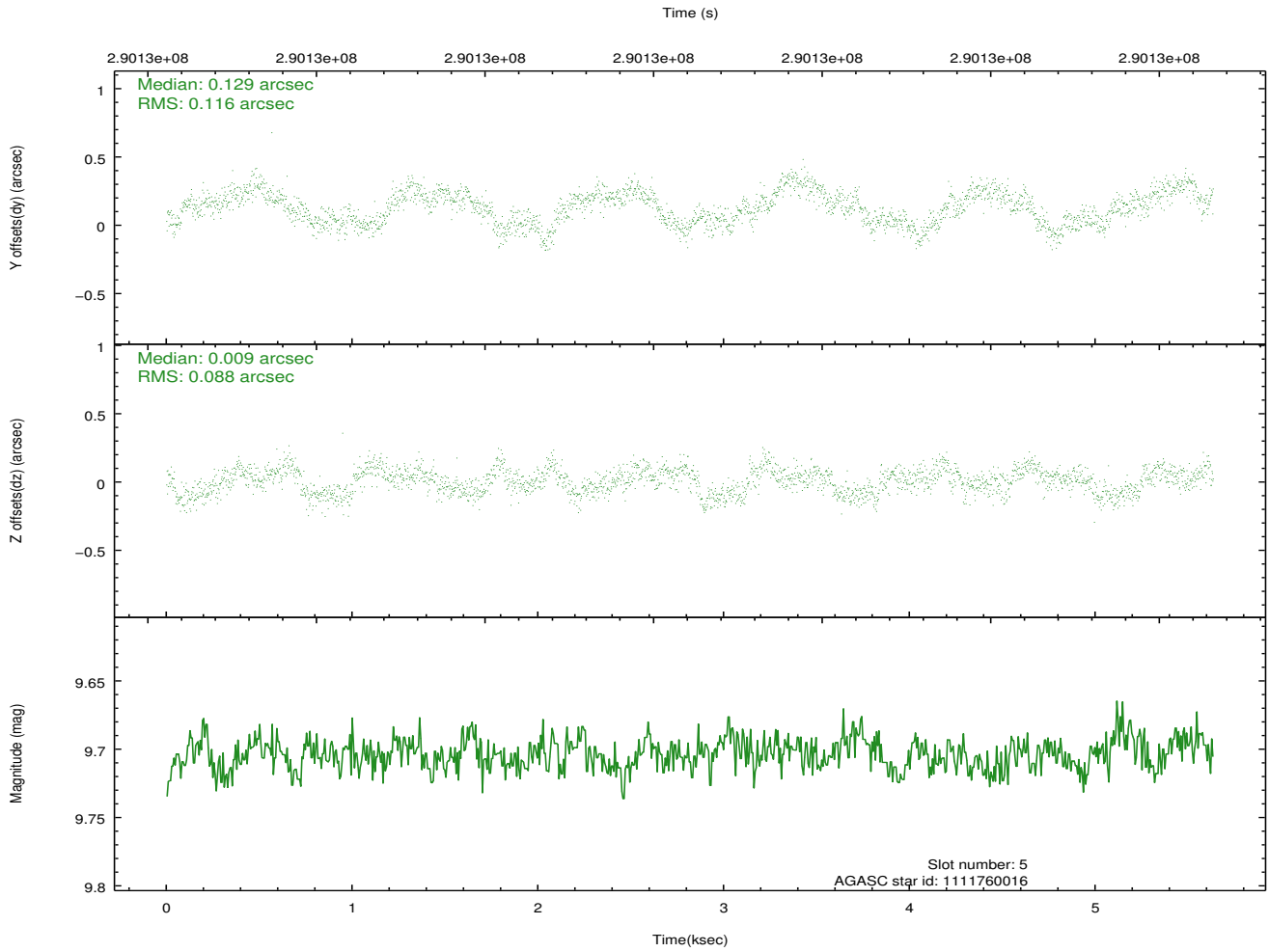
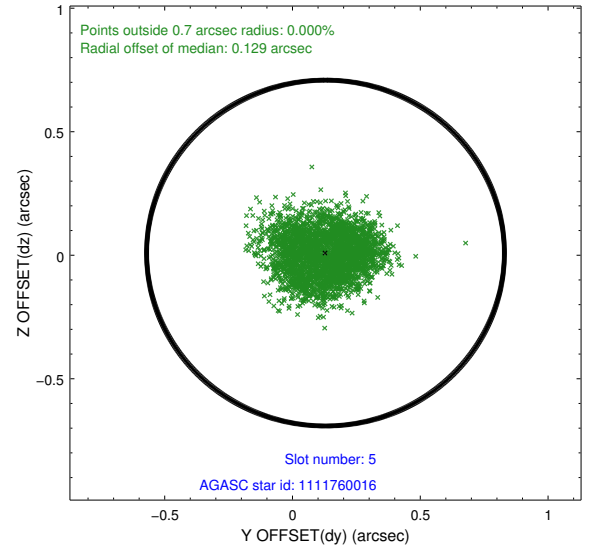
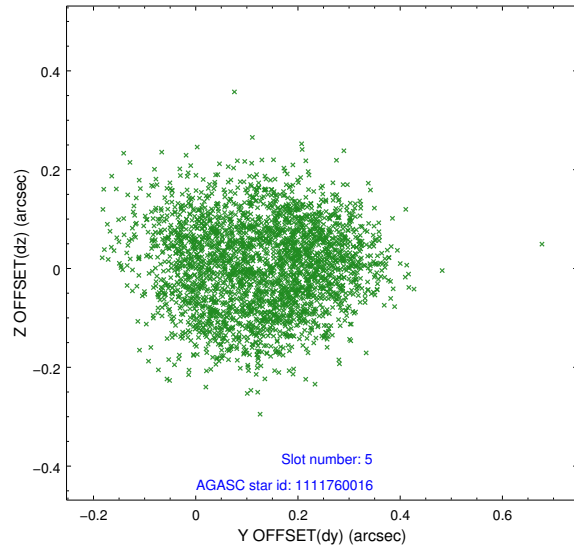
2.4.1 Slot 3



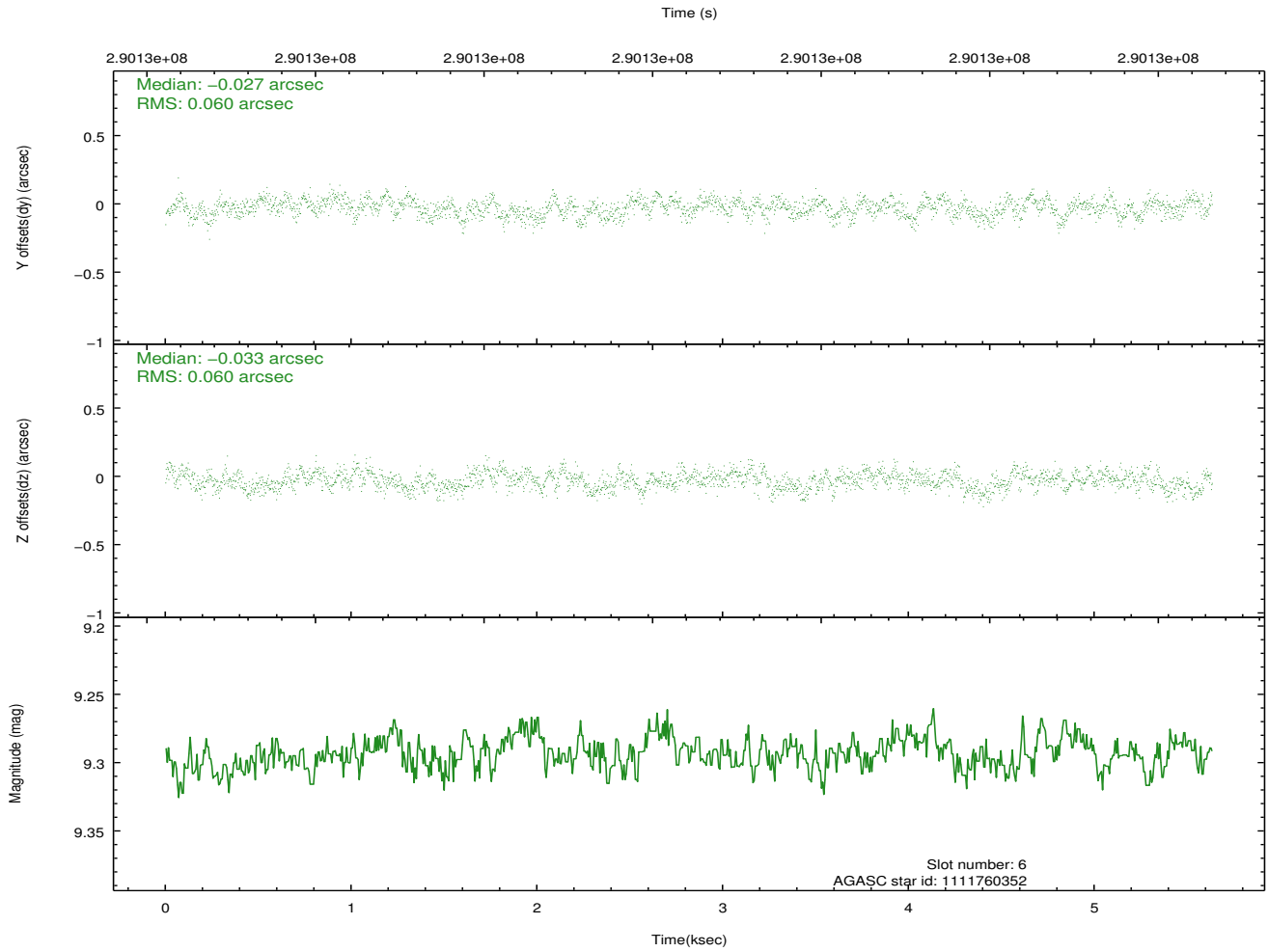
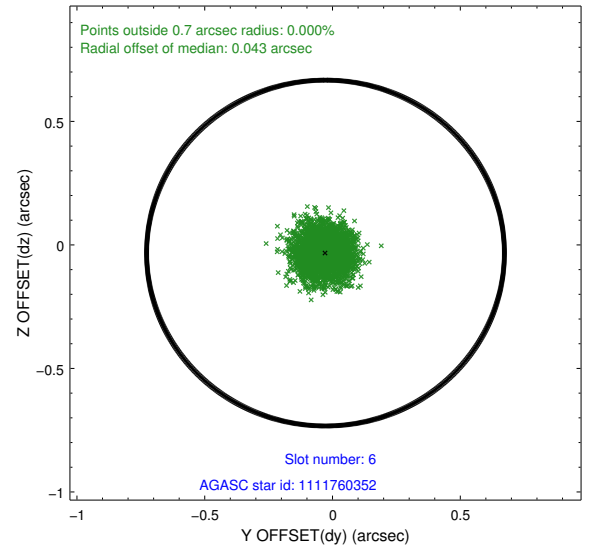
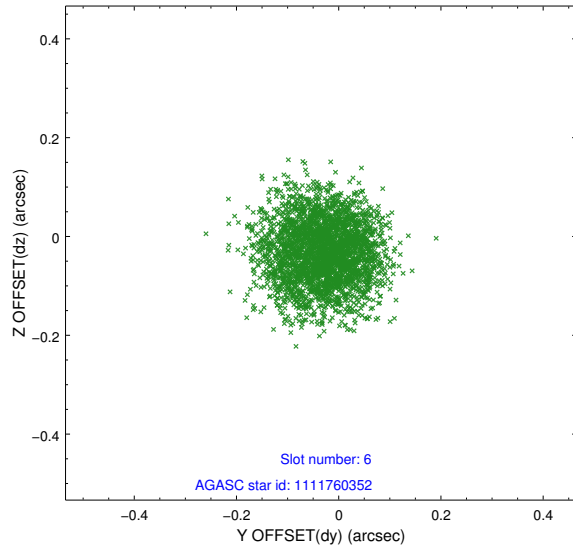
2.4.2 Slot 4



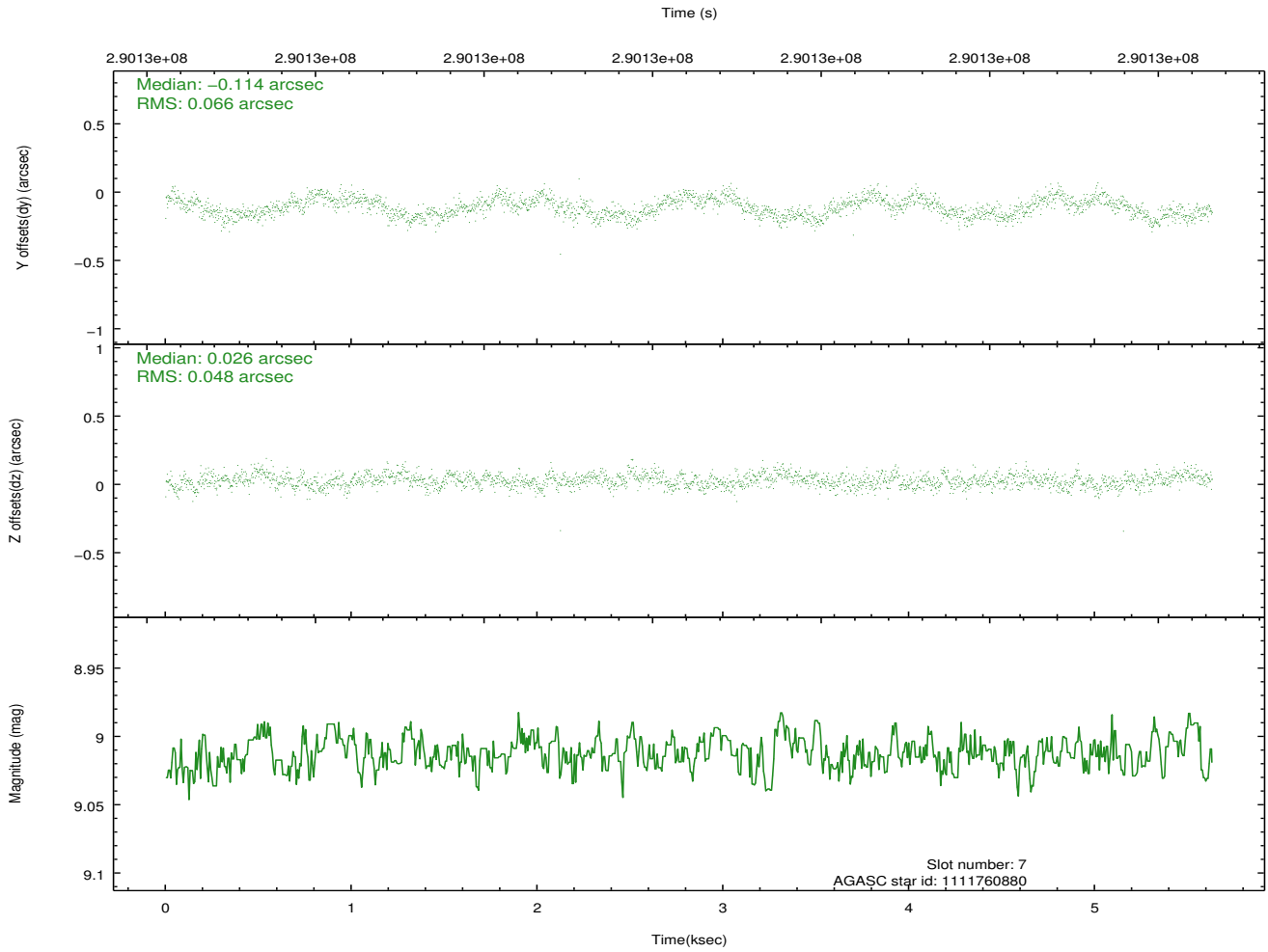
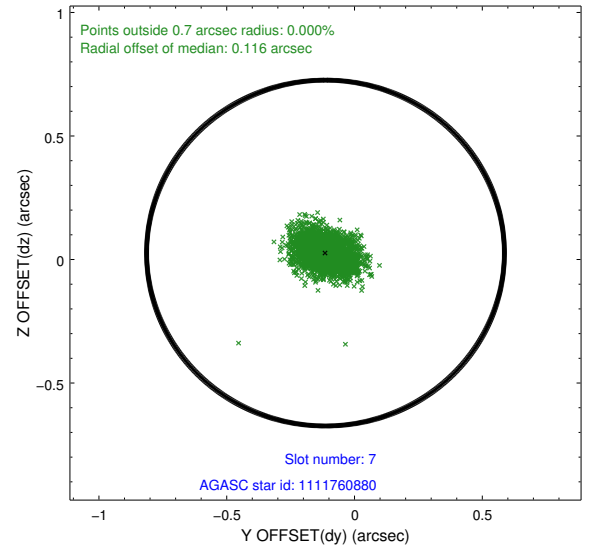
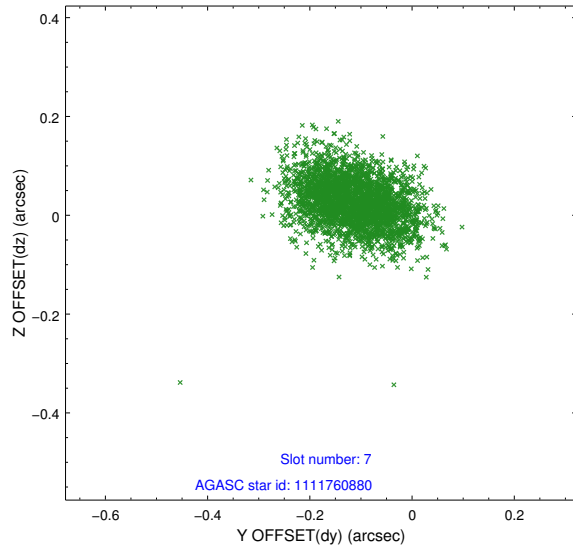
2.4.3 Slot 5



2.4.4 Slot 6

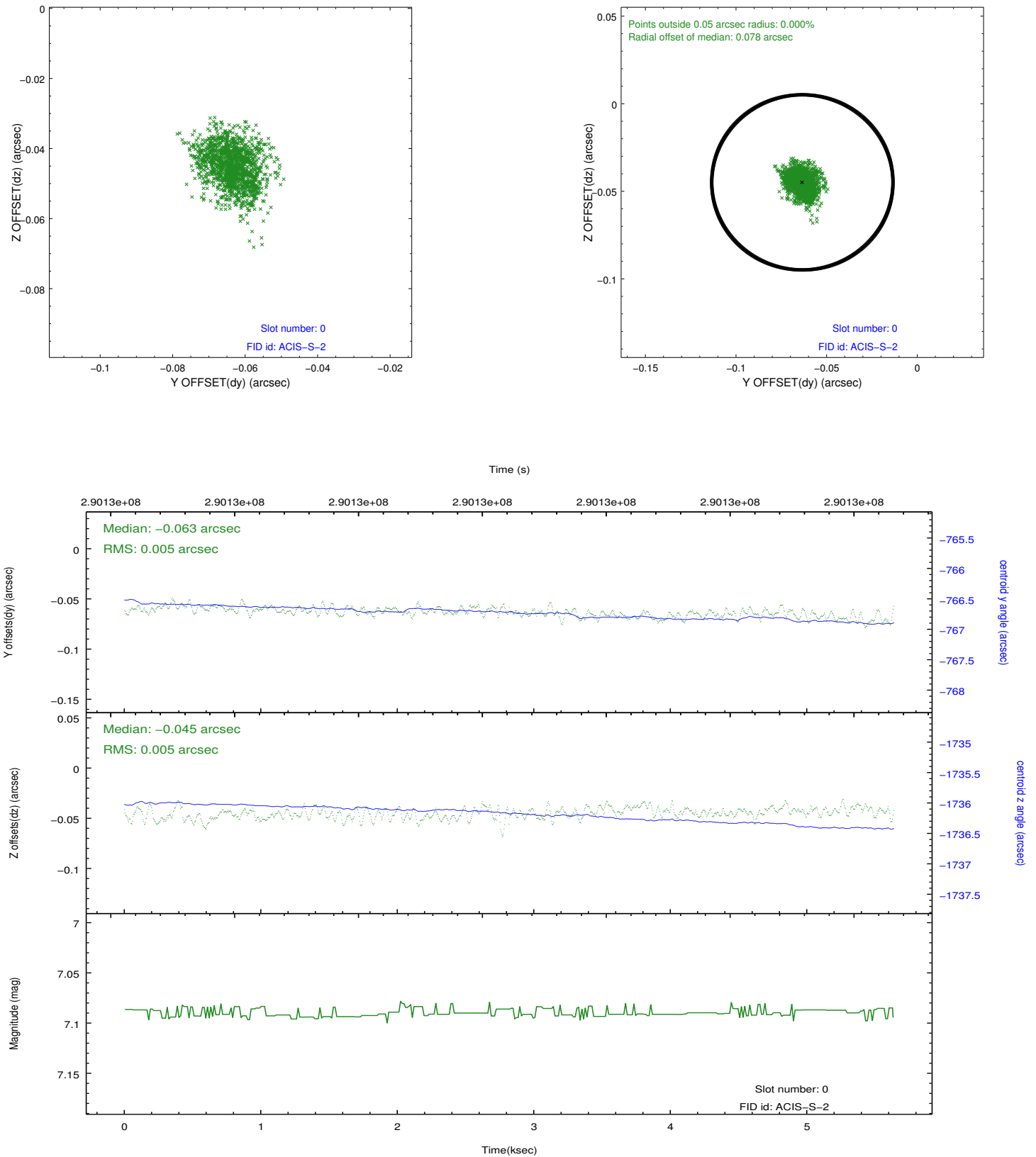


2.4.5 Slot 7

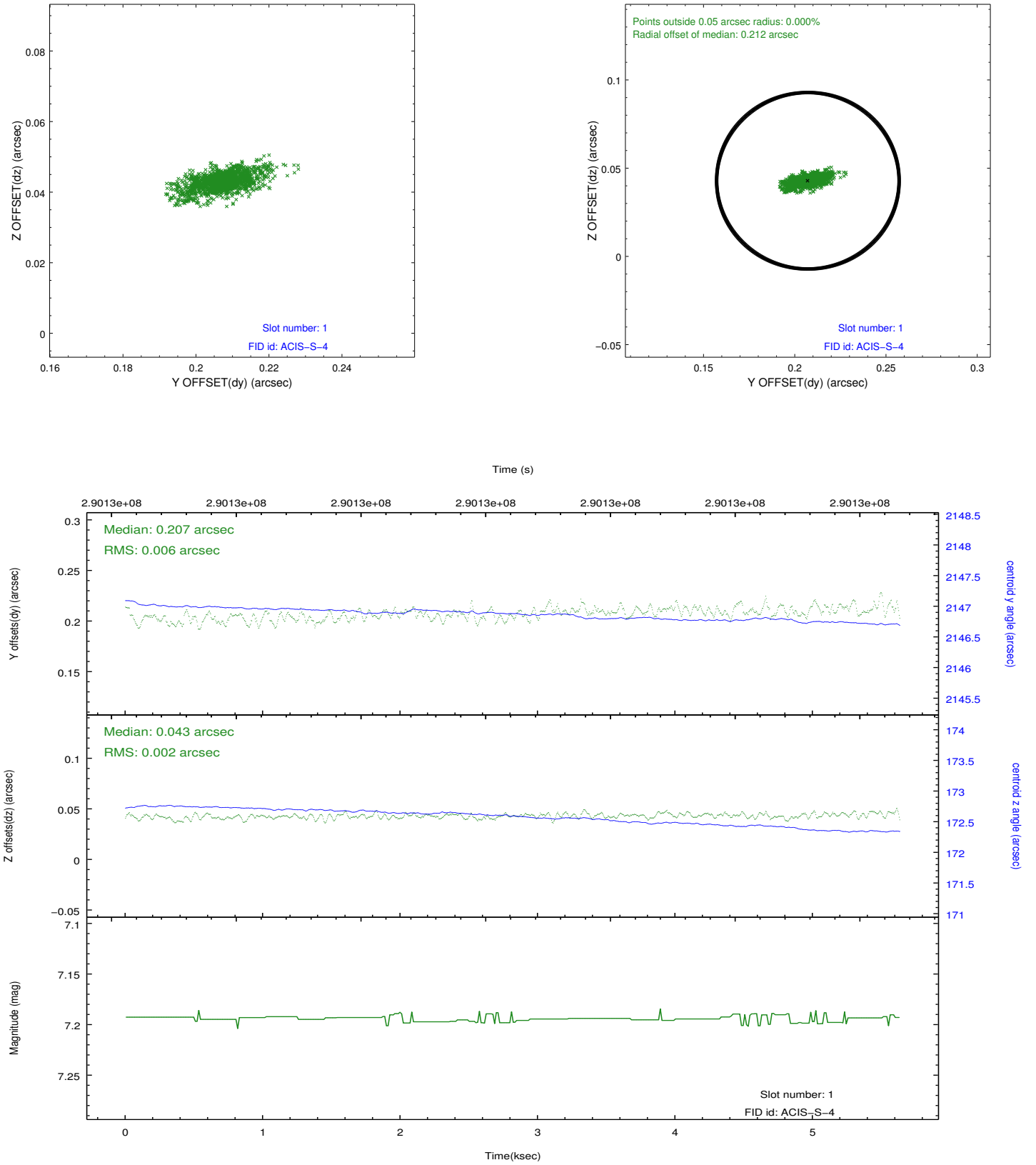


2.5 FID Slots

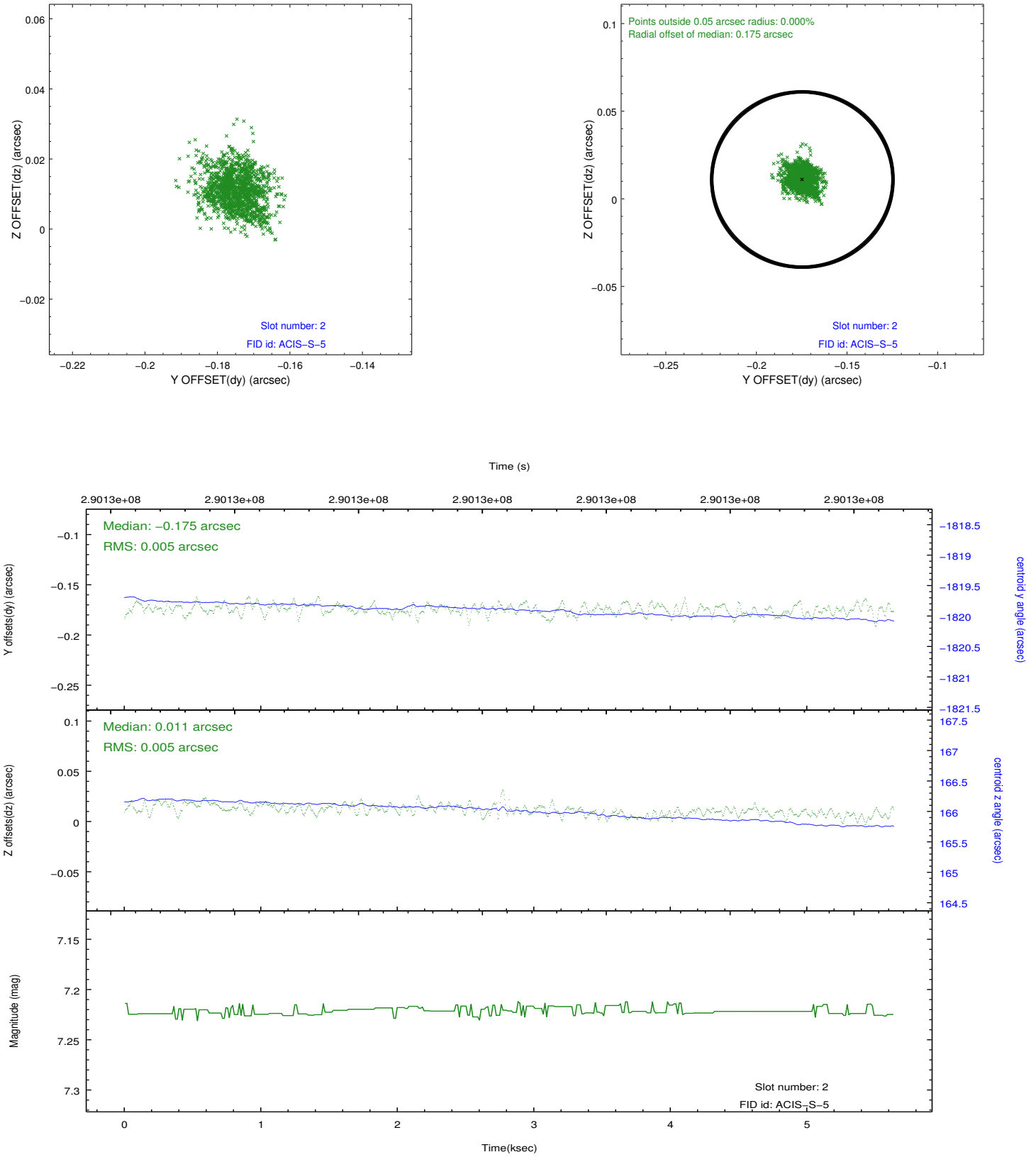
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75519998

A.2 Comments