

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2852 - L2 Version 3
Chandra X-Ray Center

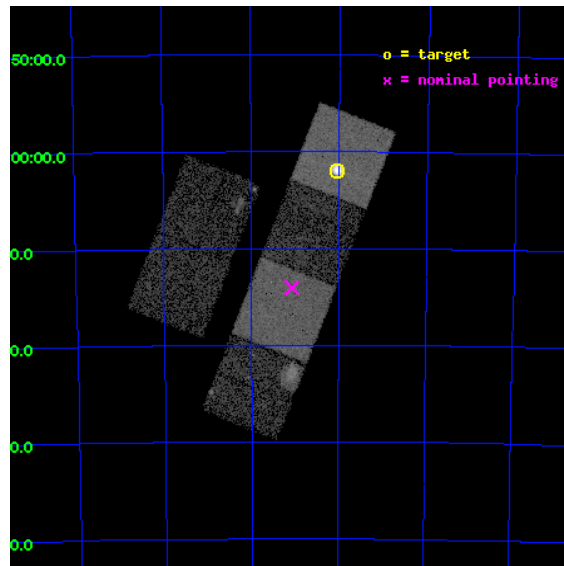
L2 Processing Date : Oct 9 2012

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1 Front

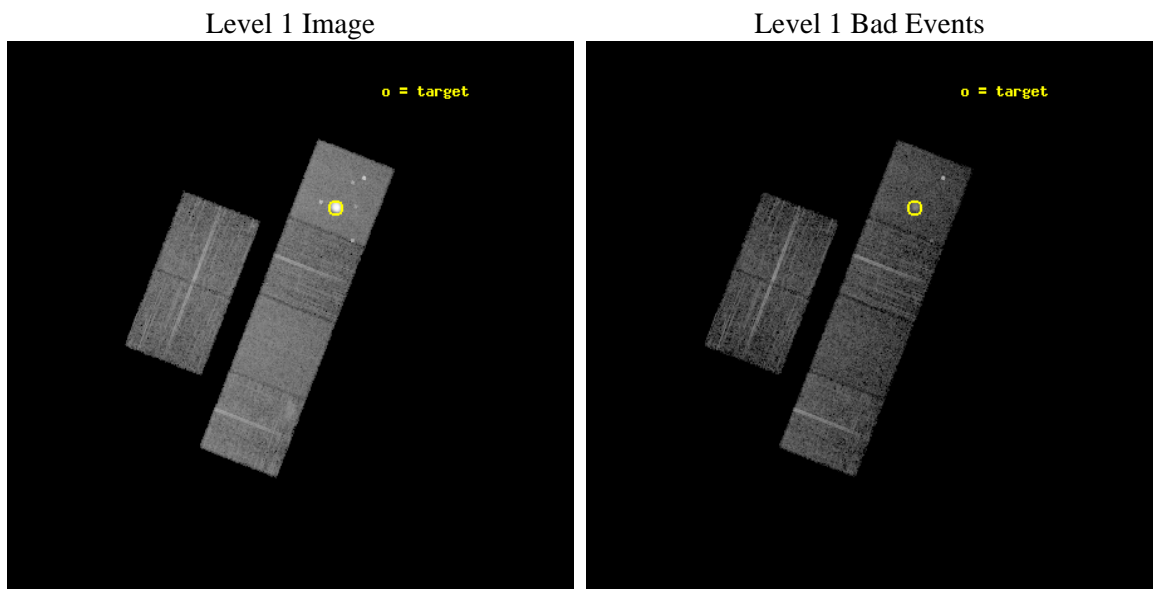
seq_num	590241	Sequence number
obs_id	2852	Observation id
title	AO3B ACIS-S CALIBRATION OBSERVATIONS OF E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S1, T=120, Offsets=13,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.268340506297	Nominal RA [deg]
dec_nom	-72.234551814719	Nominal Dec [deg]
roll_nom	111.22639178255	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7660.7623780072	Sum of GTIs [s]
livetime	7563.7571920195	Livetime [s]
ontime2	7660.7999714613	Sum of GTIs [s]
ontime3	7660.6802980006	Sum of GTIs [s]
ontime5	7660.7623780072	Sum of GTIs [s]
ontime6	7660.7213380039	Sum of GTIs [s]
ontime7	7660.7999714613	Sum of GTIs [s]
ontime8	7657.3981681764	Sum of GTIs [s]
l2events	126143	Number of level 2 events



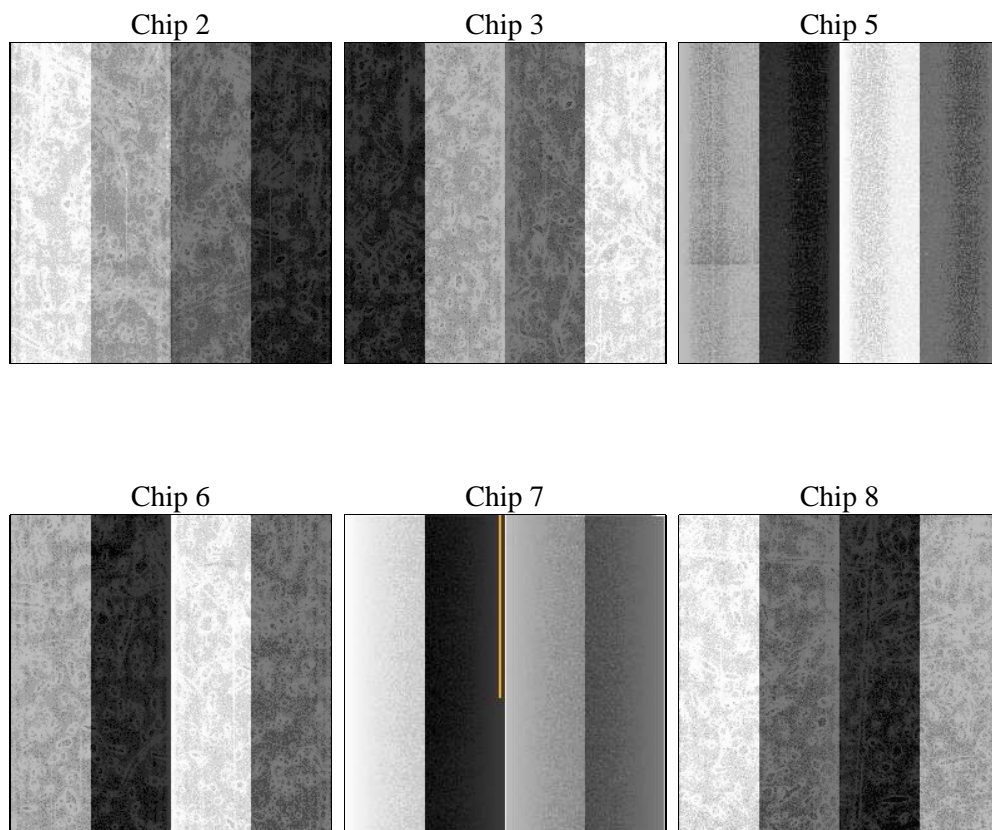
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7660.7623780072	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	7660.7999714613	Sum of GTIs [s]
date	2012-10-10T00:38:53	Date and time of file creation	ontime3	7660.6802980006	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7660.7623780072	Sum of GTIs [s]
			ontime6	7660.7213380039	Sum of GTIs [s]
			ontime7	7660.7999714613	Sum of GTIs [s]
			ontime8	7657.3981681764	Sum of GTIs [s]
			l1events	401261	Number of level 1 events

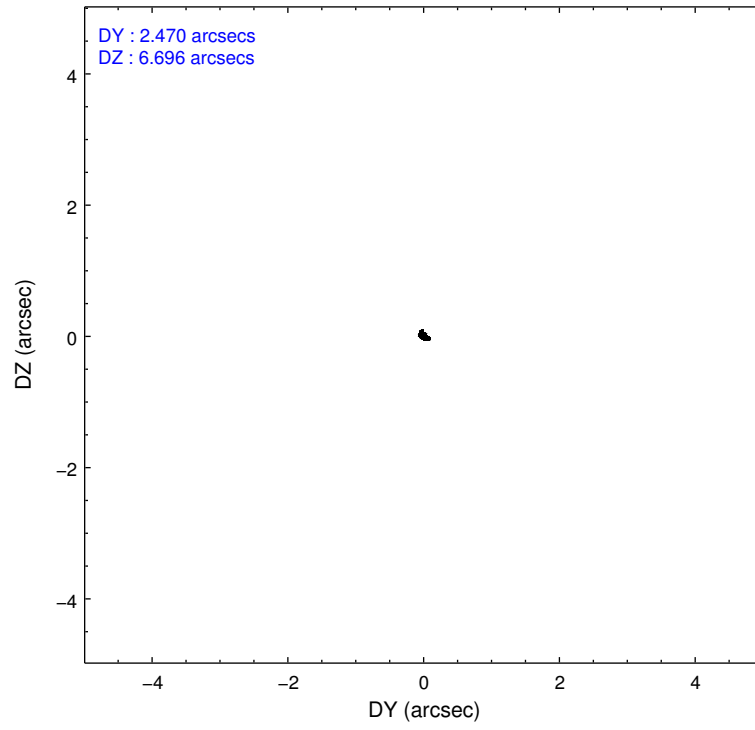
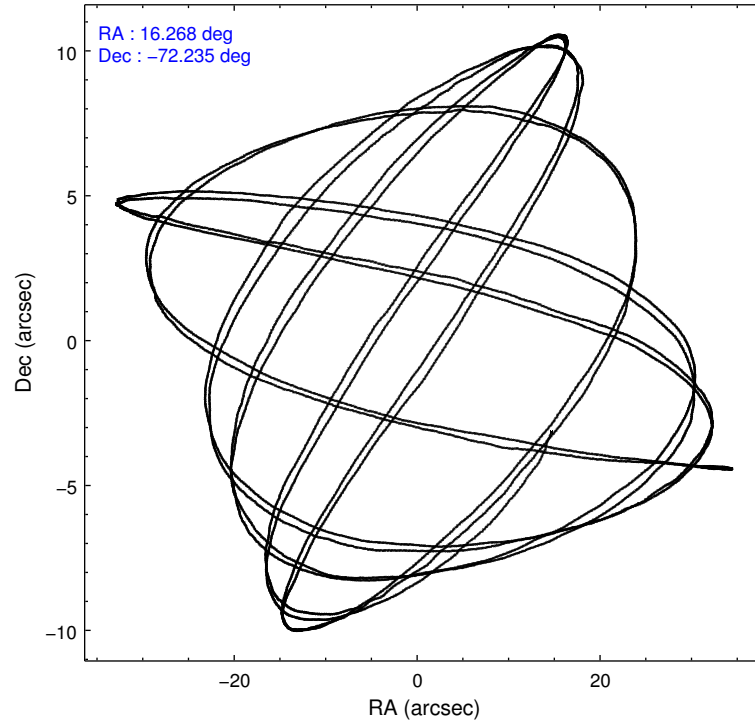
2.1.4 Events

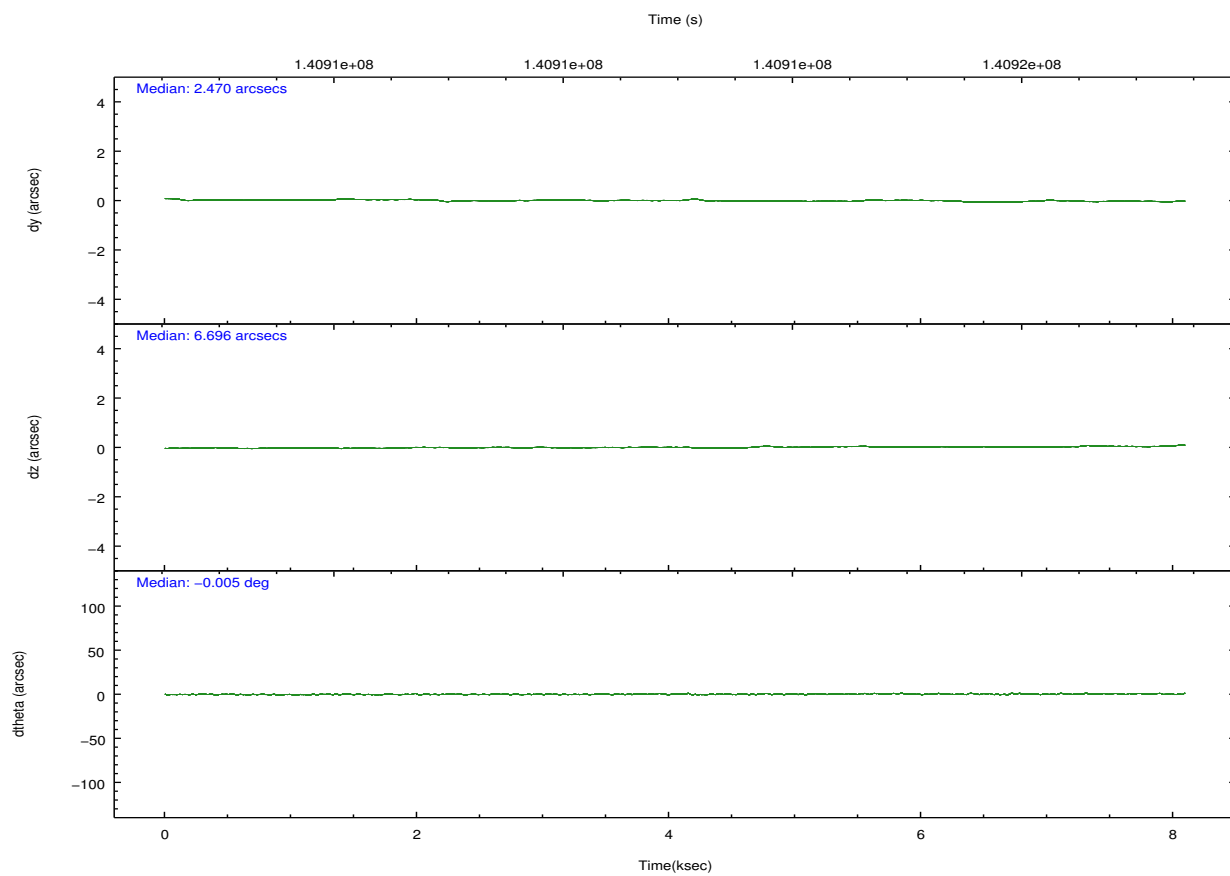
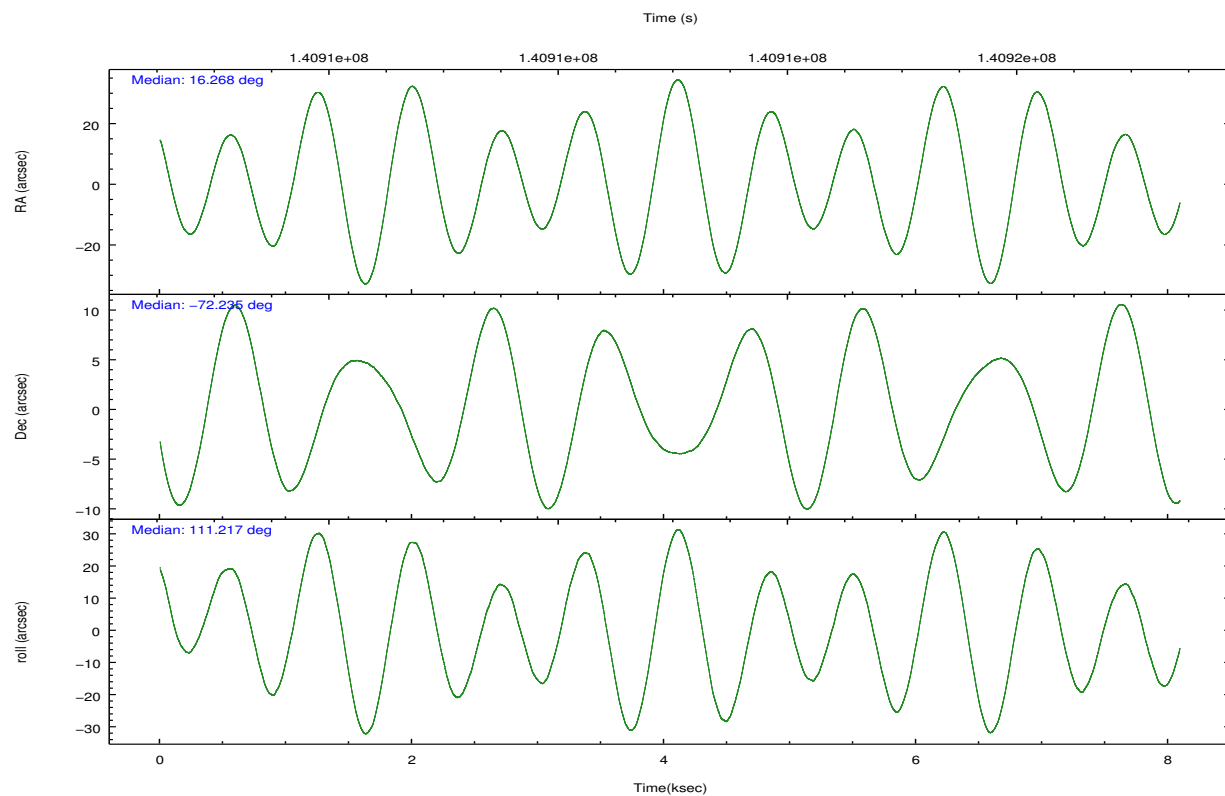
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51154	47270	123075	49240	64322	66200	grade 0 events	2607	2373	27321	2998	2629	6218
rejected events	45285	41701	40726	42790	37535	51235		5%	5%	22%	6%	4%	9%
rejected %	88%	88%	33%	86%	58%	77%	grade 1 events	27	12	274	20	69	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	1190	1145	23202	1200	5371	2831
								2%	2%	18%	2%	8%	4%
							grade 3 events	542	551	5656	583	2459	1436
								1%	1%	4%	1%	3%	2%
							grade 4 events	500	502	5497	554	2346	1357
								0%	1%	4%	1%	3%	2%
							grade 5 events	1726	2020	5847	2205	6135	2707
								3%	4%	4%	4%	9%	4%
							grade 6 events	1033	999	20713	1119	13995	3125
								2%	2%	16%	2%	21%	4%
							grade 7 events	43529	39668	34565	40561	31318	48478
								85%	83%	28%	82%	48%	73%

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	16.338887	16.26834050629696	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.251307	-72.23455181471901	Alternating exposures requested	N	N
[deg] Pointing Roll	111.136952	111.2263917825539	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	139276864.184000	139276864.184000			
[s] Window stop time (MET)	141782464.184000	141782464.184000			
[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)	140909127.184000	140908676.46962			
Observation start date	2002-06-19T21:24:23	2002-06-19T21:17:56			
[s] Observation end time (MET)	140917027.184000	140917519.65748			
Observation end date	2002-06-19T23:36:03	2002-06-19T23:45:19			
Read mode	TIMED	TIMED			

2.3 Aspect



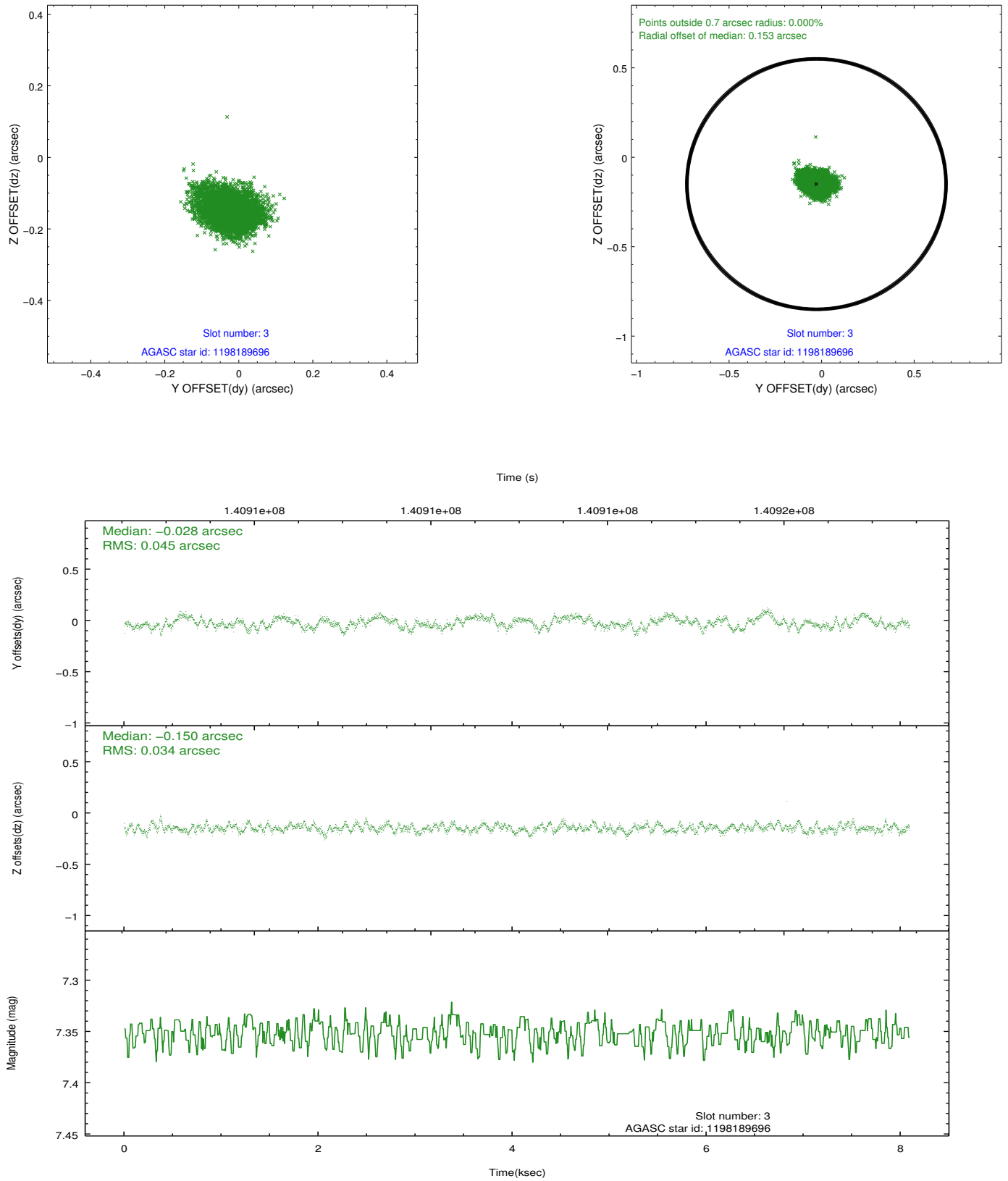


Slot Statistics

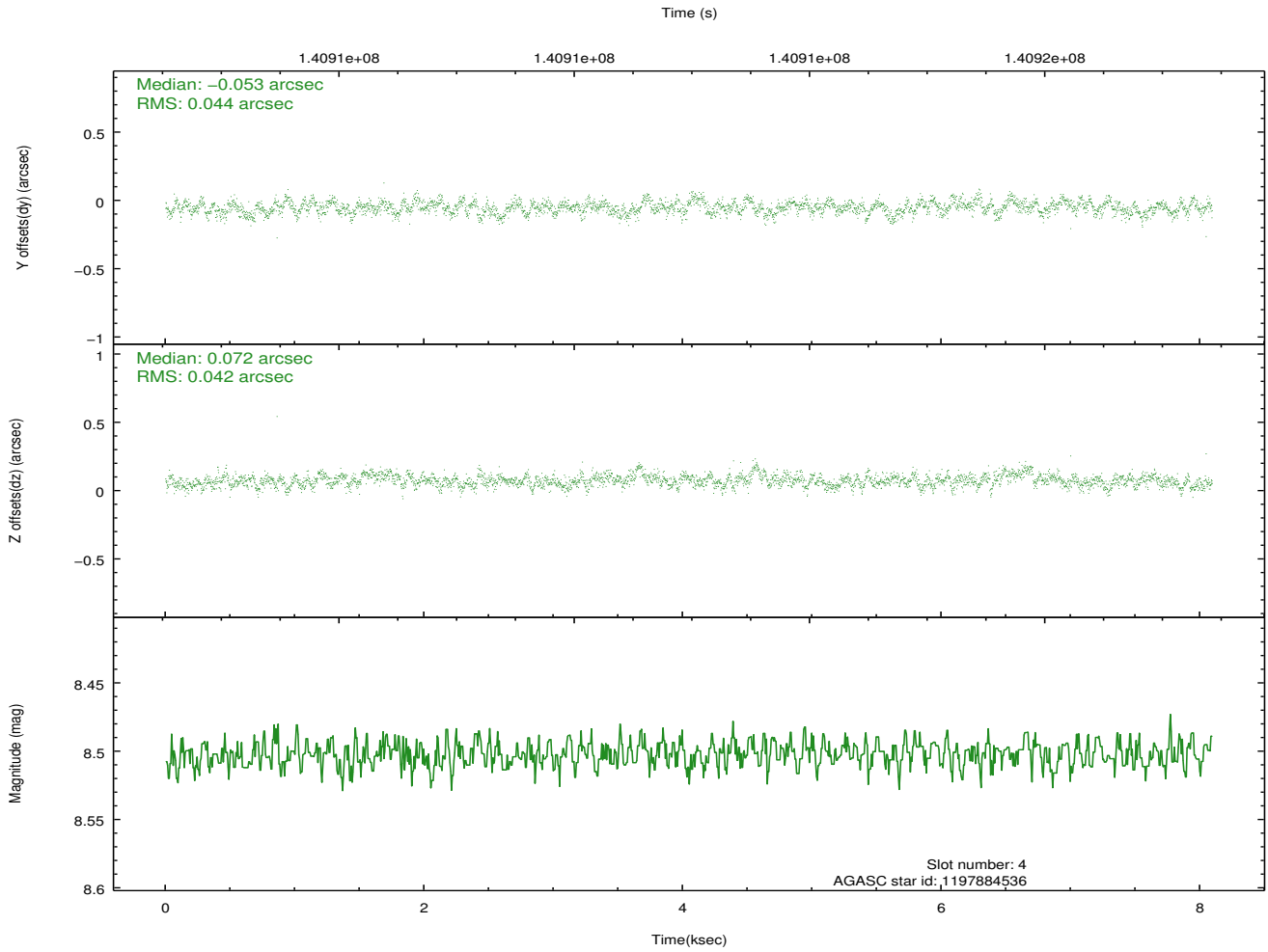
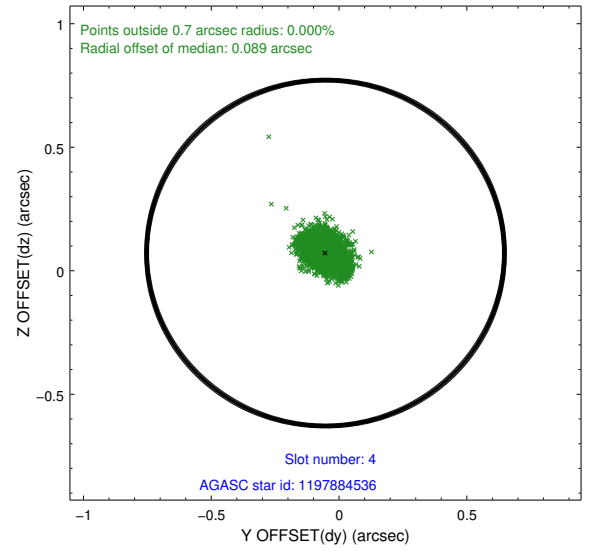
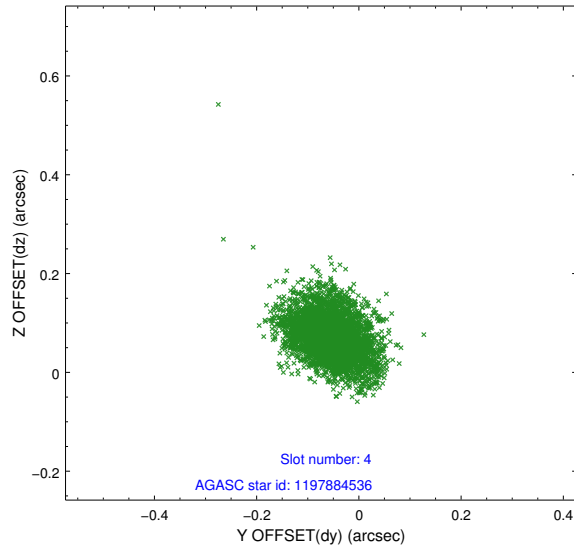
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1974	-0.026	0.012	0.007	0.011	0.000000	0.000000	-755.10	-1727.85
1	FID	ACIS-S-4	7.20	1974	-0.031	0.009	0.006	0.011	0.000000	0.000000	2157.84	179.94
2	FID	ACIS-S-5	7.24	1974	0.026	-0.012	0.007	0.012	0.000000	0.000000	-1807.02	174.34
3	GUIDE	1198189696	7.35	3949	-0.028	-0.150	0.060	0.096	15.223750	-72.697522	-1078.12	1696.14
4	GUIDE	1197884536	8.50	3949	-0.053	0.072	0.064	0.105	17.160729	-71.835289	1058.69	-1397.78
5	GUIDE	1198283128	7.61	3949	-0.042	0.089	0.078	0.120	17.272580	-72.642428	-1681.53	-425.65
6	GUIDE	1197750640	9.73	3946	0.083	-0.073	0.119	0.186	15.758835	-72.088048	776.86	387.79
7	GUIDE	1197749416	10.28	3941	0.040	0.062	0.136	0.233	13.610513	-71.871242	2313.66	2381.24

2.4 Star Slots

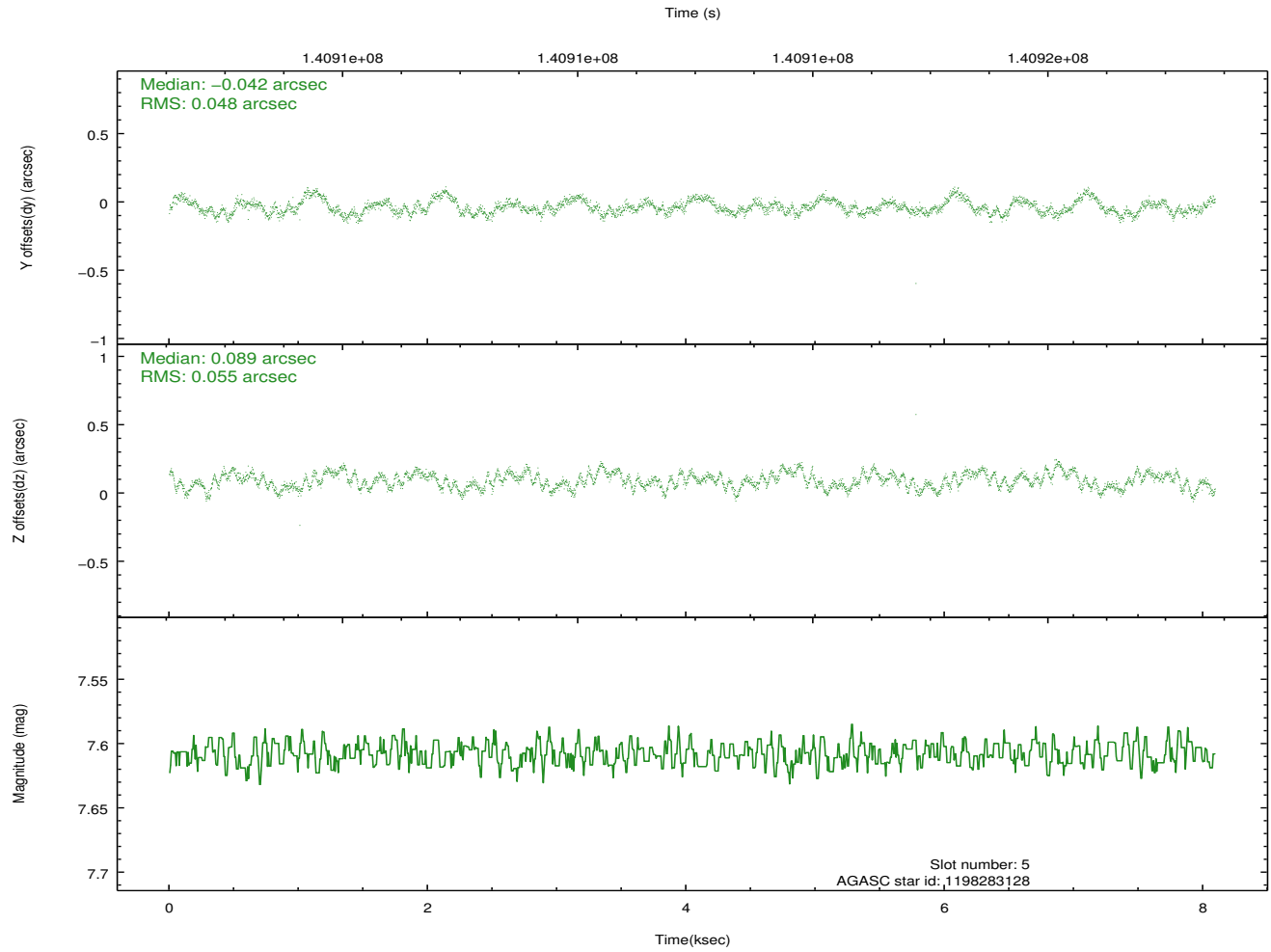
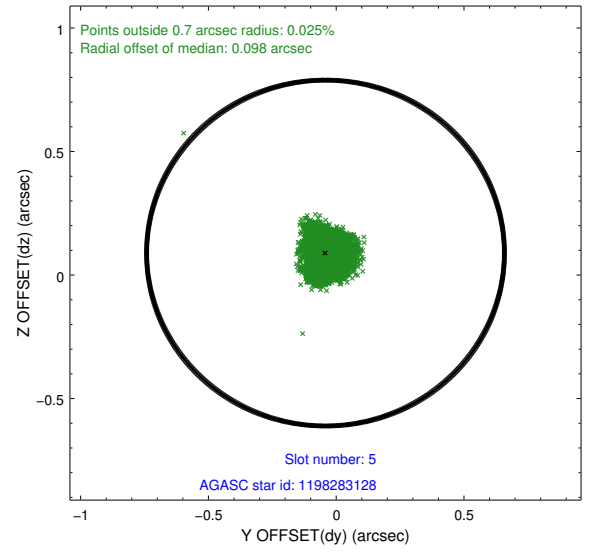
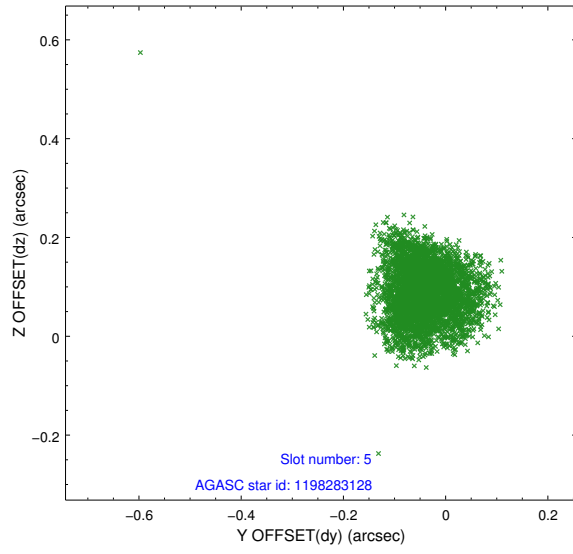
2.4.1 Slot 3



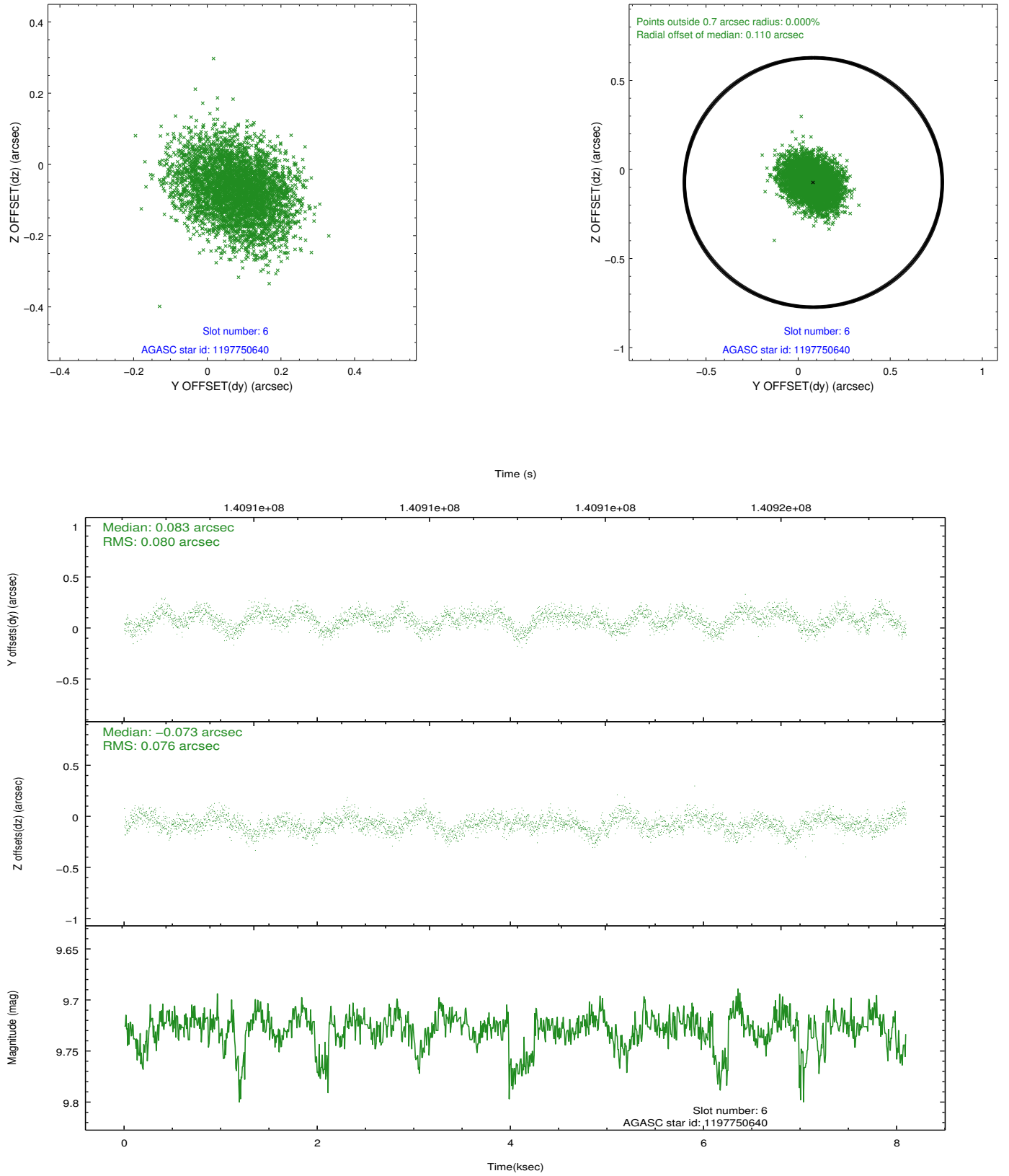
2.4.2 Slot 4



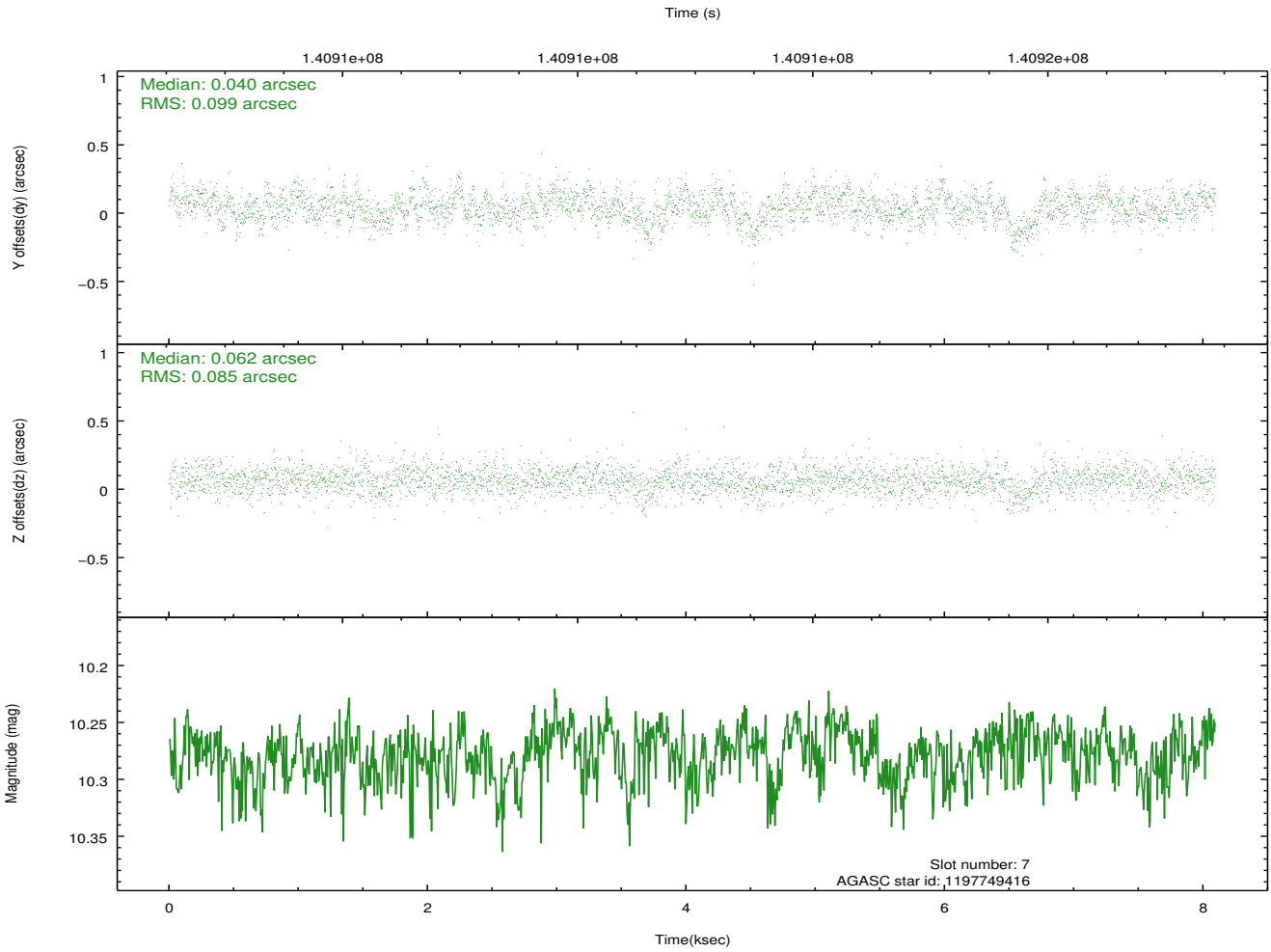
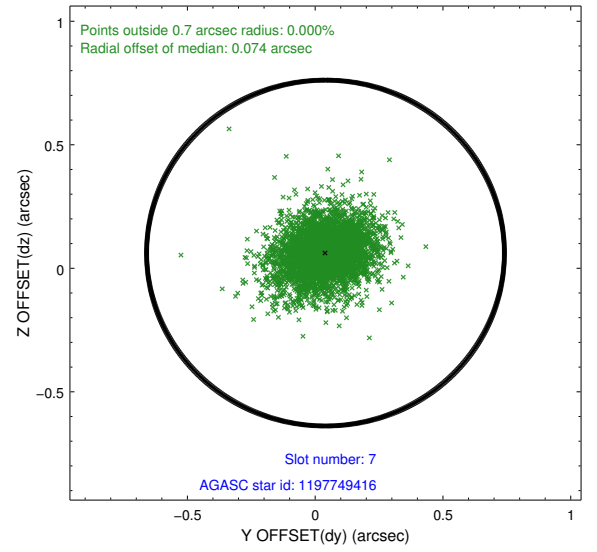
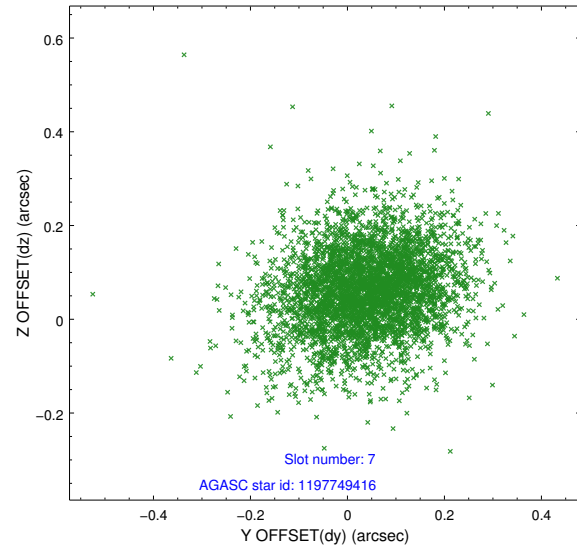
2.4.3 Slot 5



2.4.4 Slot 6

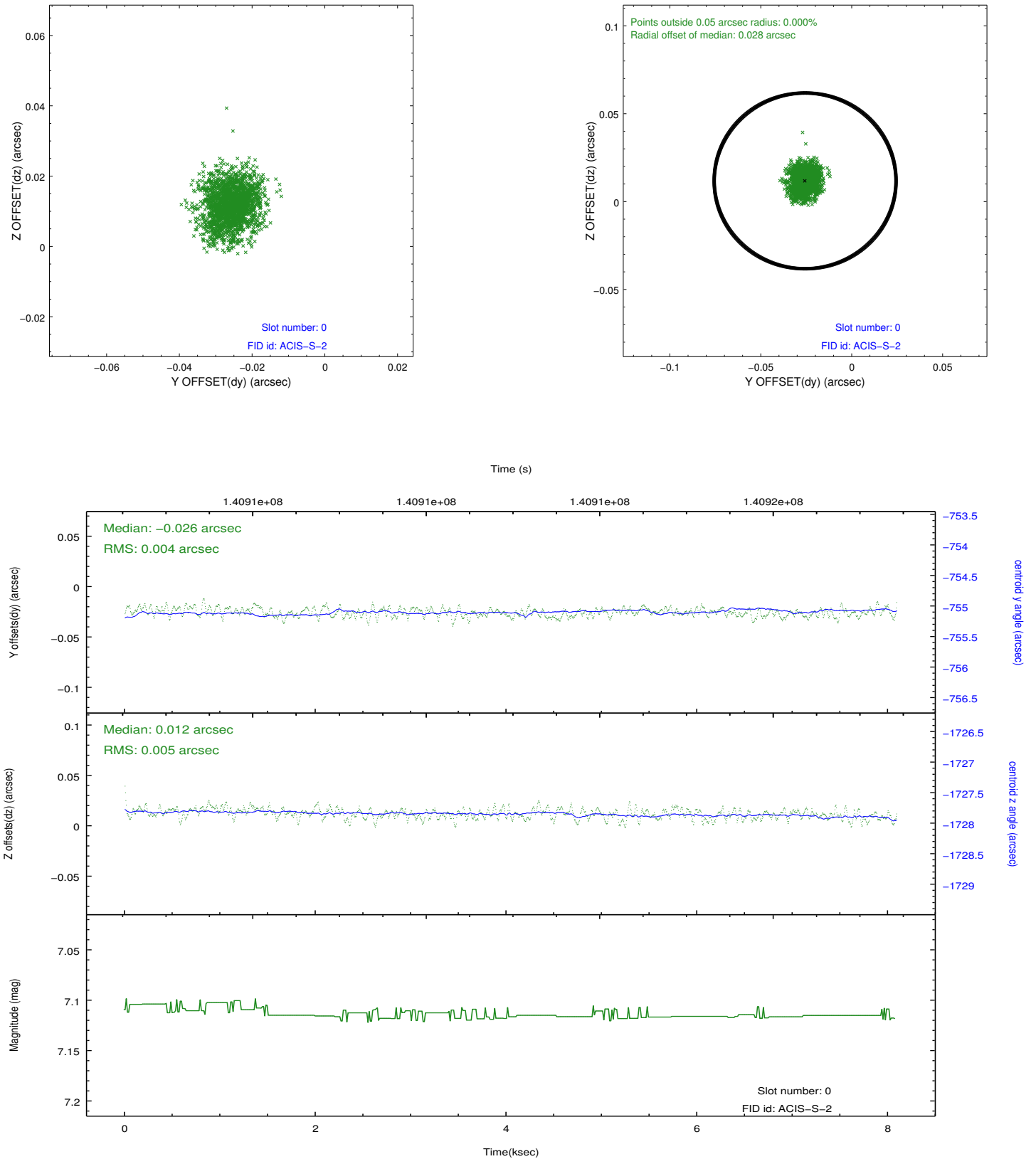


2.4.5 Slot 7

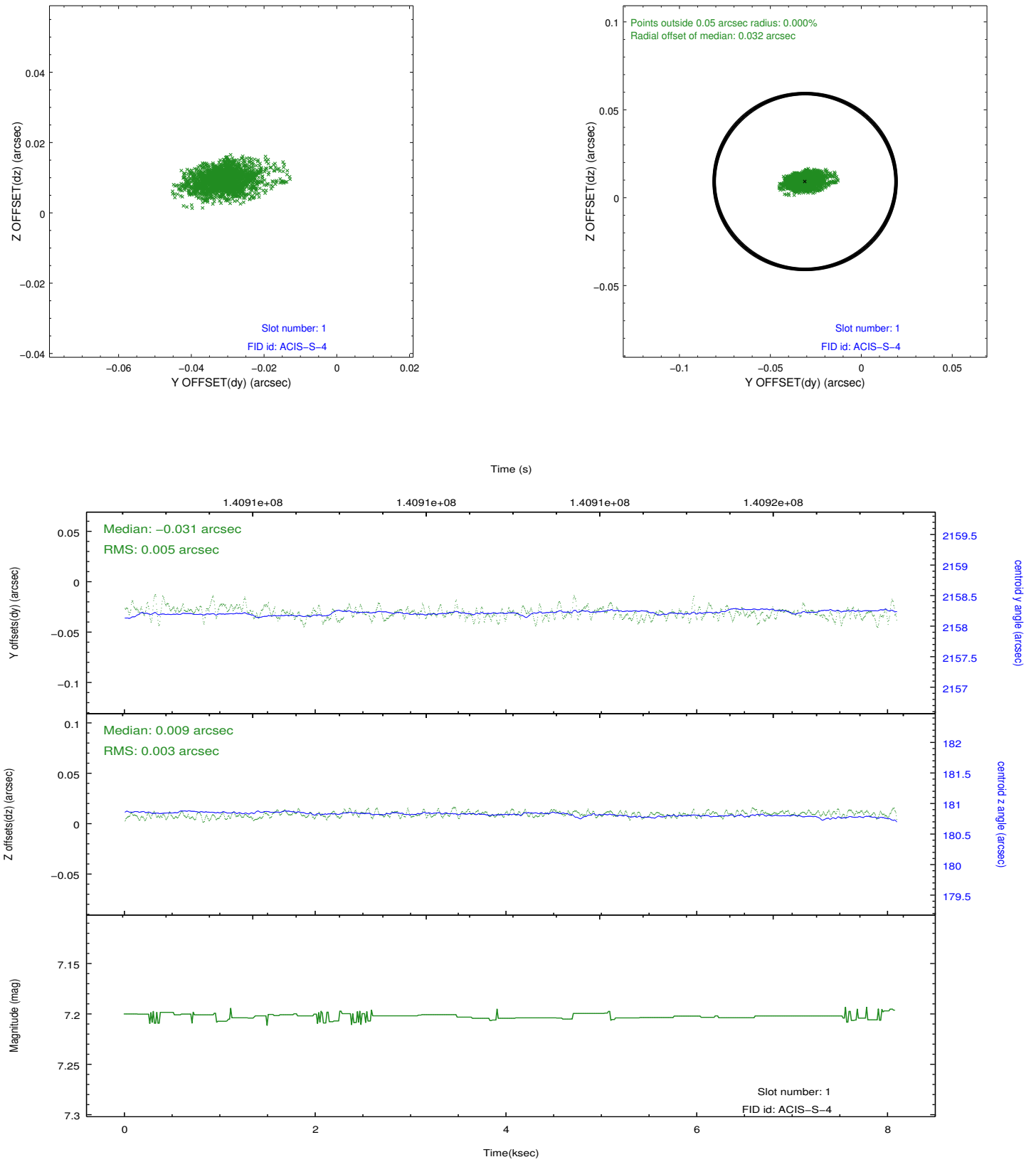


2.5 FID Slots

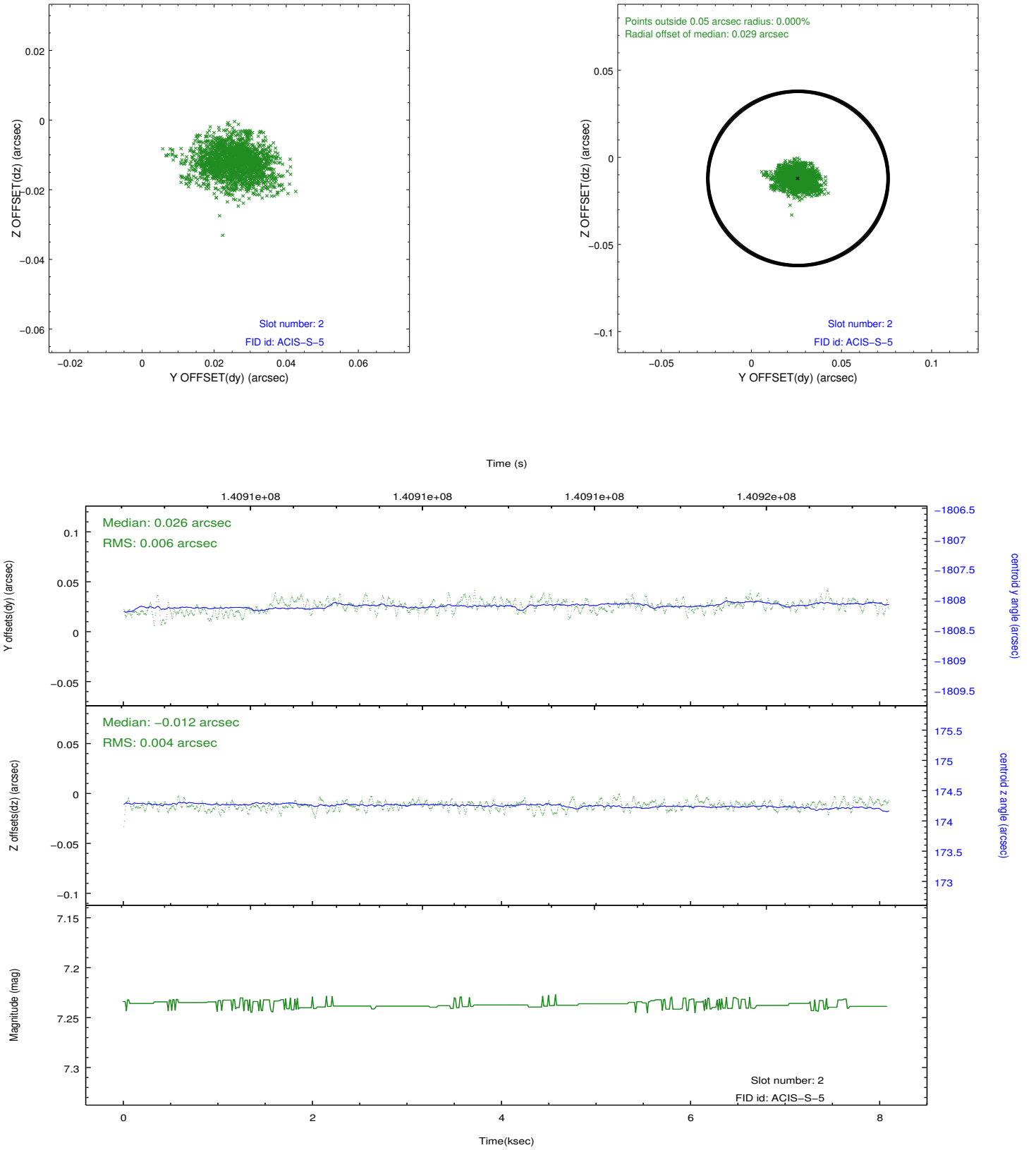
2.5.1 Slot 0



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	7.664

A.2 Comments

Window constraint met.