

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2855 - L2 Version 4
Chandra X-Ray Center

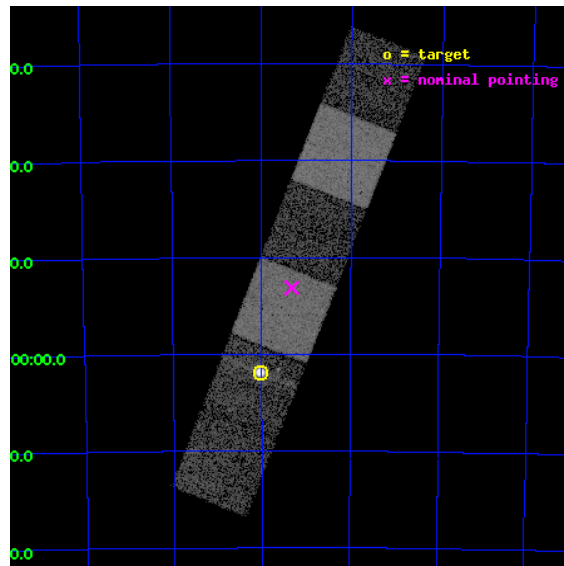
L2 Processing Date : Oct 9 2012

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1 Front

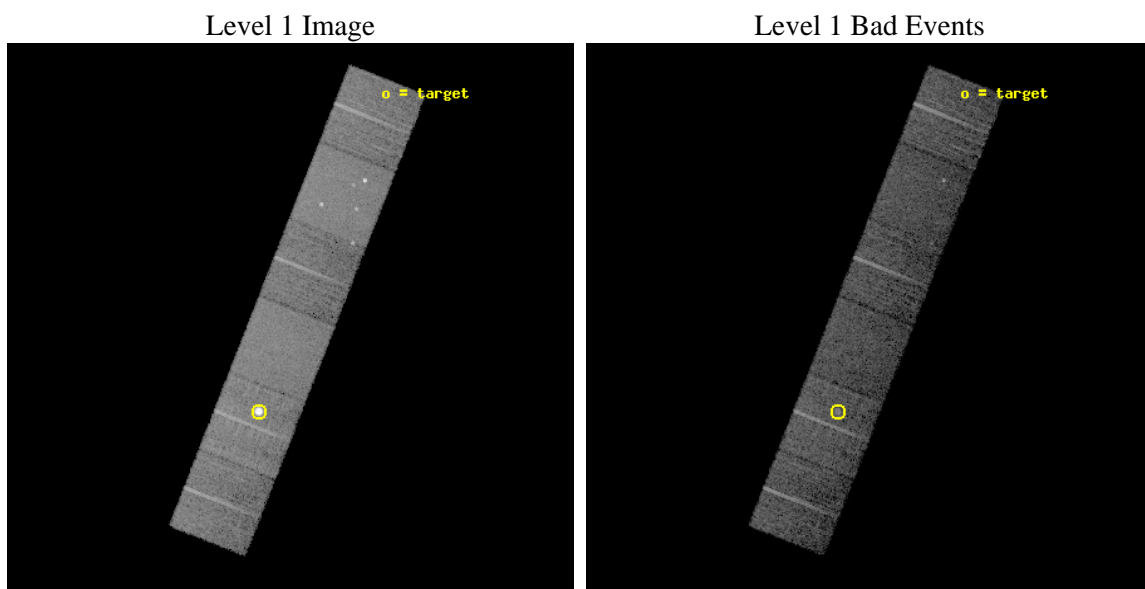
seq_num	590244	Sequence number
obs_id	2855	Observation id
title	AO3B ACIS-S CALIBRATION OBSERVATIONS OF E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S4, T=120, Offsets=-9,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.829944585321	Nominal RA [deg]
dec_nom	-71.885712498501	Nominal Dec [deg]
roll_nom	111.56634591859	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7657.5999714732	Sum of GTIs [s]
livetime	7560.6348297813	Livetime [s]
ontime4	7657.5999714732	Sum of GTIs [s]
ontime5	7657.5999714732	Sum of GTIs [s]
ontime6	7657.5999714732	Sum of GTIs [s]
ontime7	7657.5999714732	Sum of GTIs [s]
ontime8	7657.5999714732	Sum of GTIs [s]
ontime9	7657.5999714732	Sum of GTIs [s]
l2events	105726	Number of level 2 events



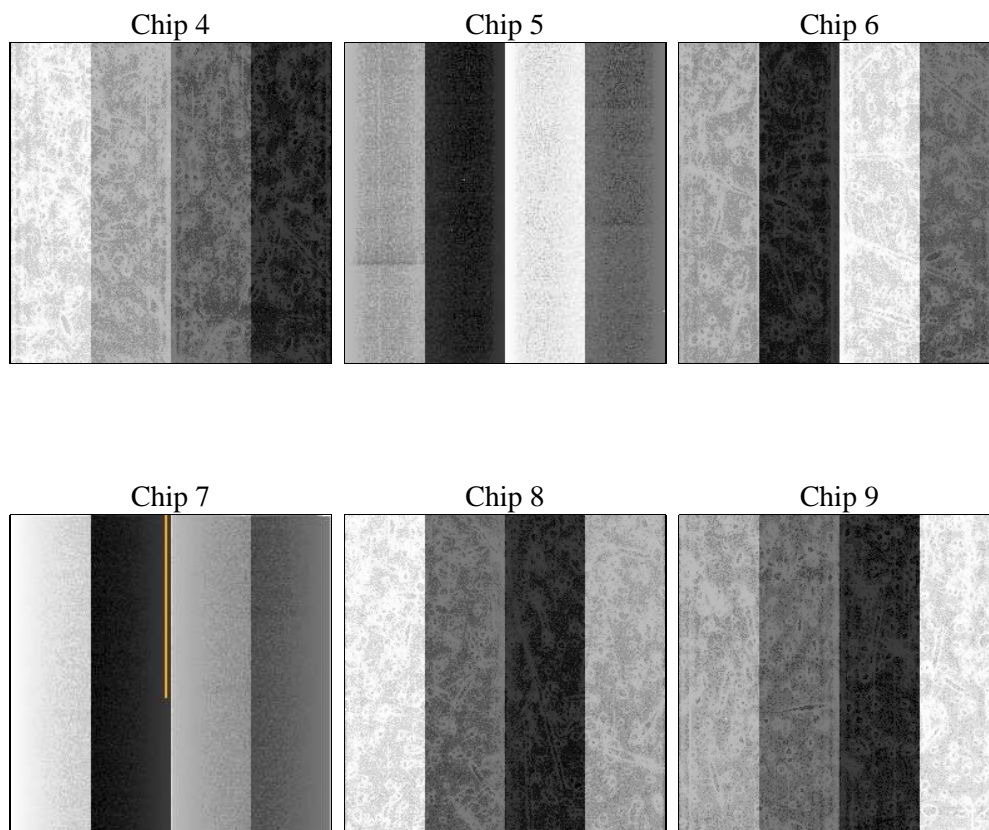
2 OBI

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	7657.5999714732	Sum of GTIs [s]
caldsver	4.5.2	 	ontime4	7657.5999714732	Sum of GTIs [s]
date	2012-10-10T01:02:26	Date and time of file creation	ontime5	7657.5999714732	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	7657.5999714732	Sum of GTIs [s]
			ontime7	7657.5999714732	Sum of GTIs [s]
			ontime8	7657.5999714732	Sum of GTIs [s]
			ontime9	7657.5999714732	Sum of GTIs [s]
			l1events	393871	Number of level 1 events

2.1.4 Events

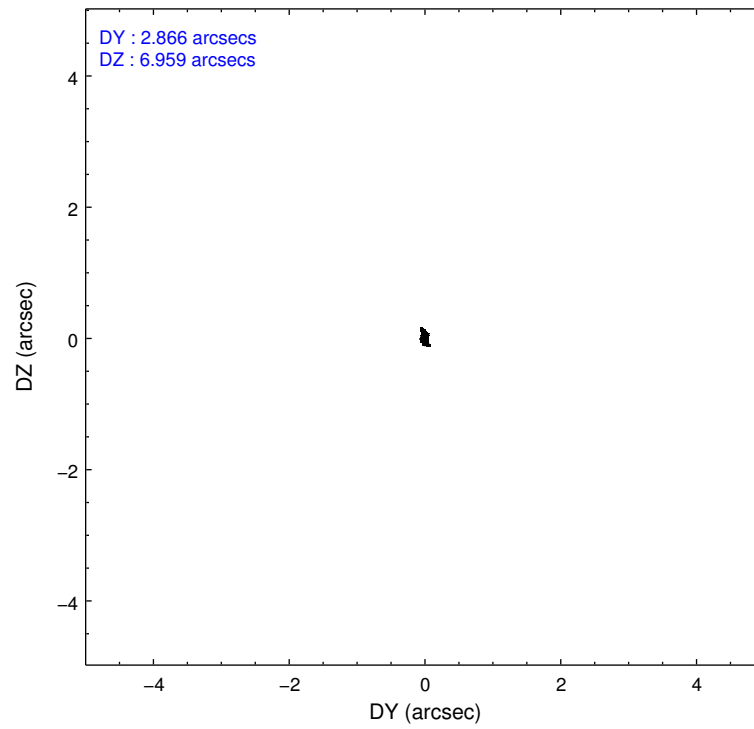
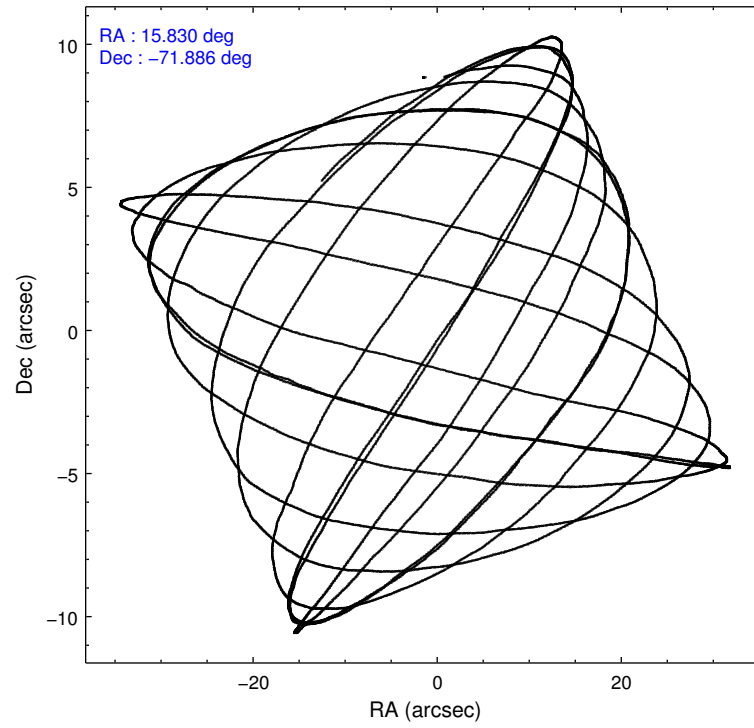
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	56825	76171	49328	66596	94597	50354	grade 0 events	2467	5346	2308	2875	27805	2989
rejected events	50672	39780	43580	38758	54654	43690		4%	7%	4%	4%	29%	5%
rejected %	89%	52%	88%	58%	57%	86%	grade 1 events	20	476	23	56	230	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	1503	10849	1129	5594	4751	1309
								2%	14%	2%	8%	5%	2%
							grade 3 events	579	1610	586	2502	1768	578
								1%	2%	1%	3%	1%	1%
							grade 4 events	531	1478	549	2409	1718	545
								0%	1%	1%	3%	1%	1%
							grade 5 events	1890	5507	2165	6352	2866	2218
								3%	7%	4%	9%	3%	4%
							grade 6 events	1074	17115	1179	14465	3911	1244
								1%	22%	2%	21%	4%	2%
							grade 7 events	48761	33790	41389	32343	51548	41445
								85%	44%	83%	48%	54%	82%

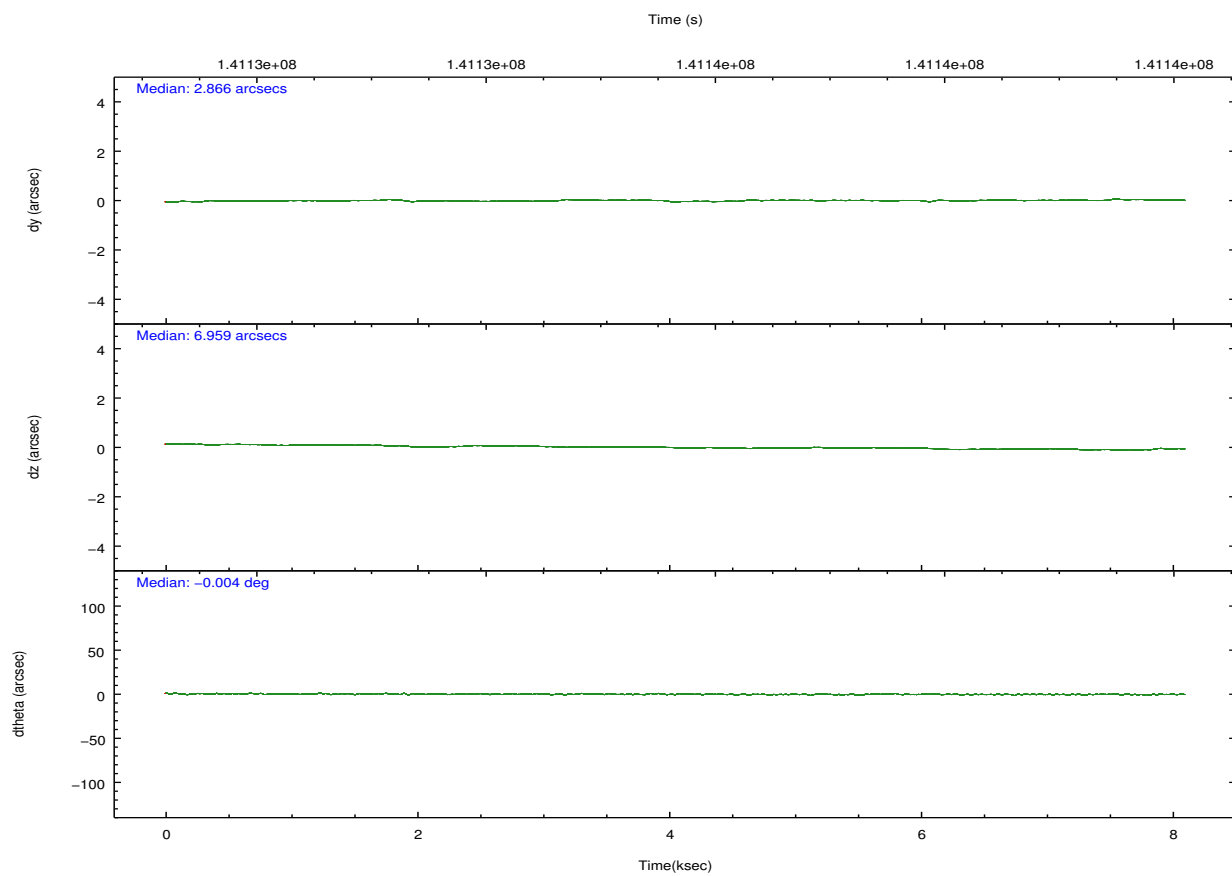
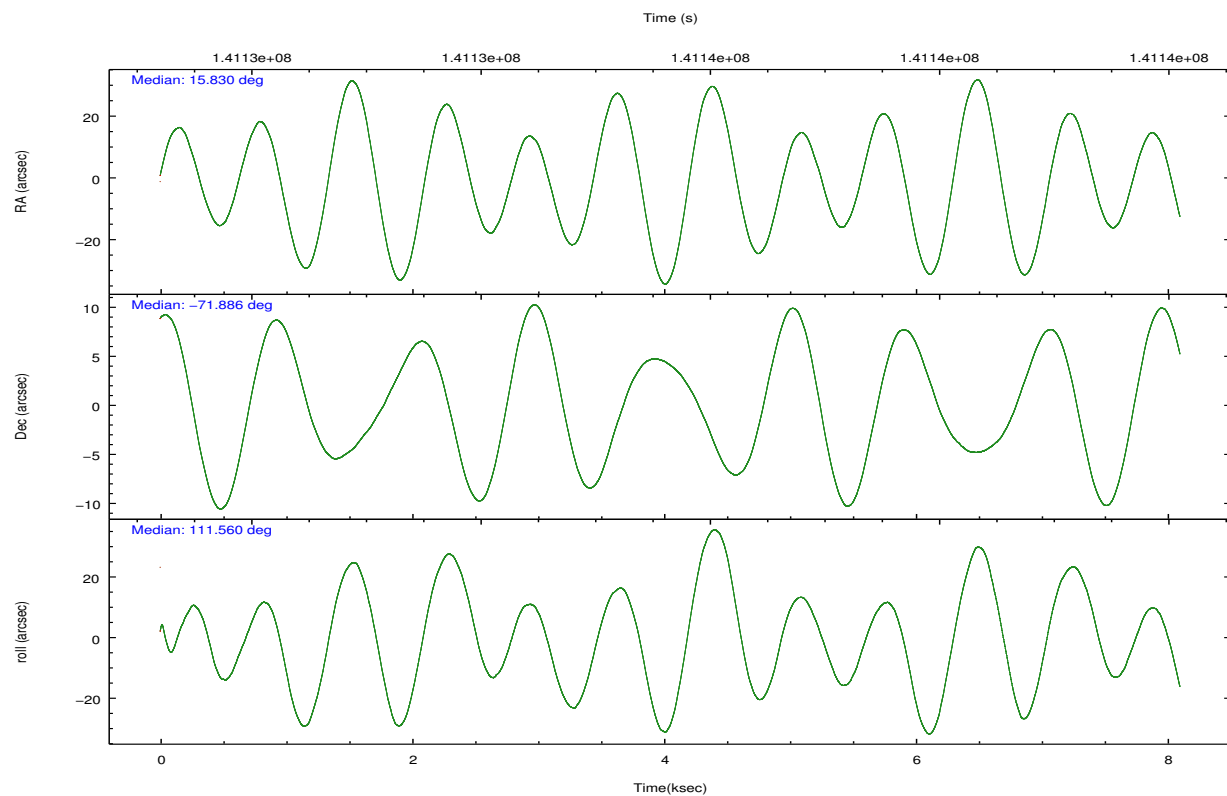
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	15.899197	15.82994458532148
[deg] Pointing Dec	-71.902404	-71.88571249850074
[deg] Pointing Roll	111.475495	111.5663459185924
[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	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	141131793.184000	141131417.17874
Observation start date	2002-06-22T11:15:29	2002-06-22T11:10:17
[s] Observation end time (MET)	141139693.184000	141139914.42909
Observation end date	2002-06-22T13:27:09	2002-06-22T13:31:54
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



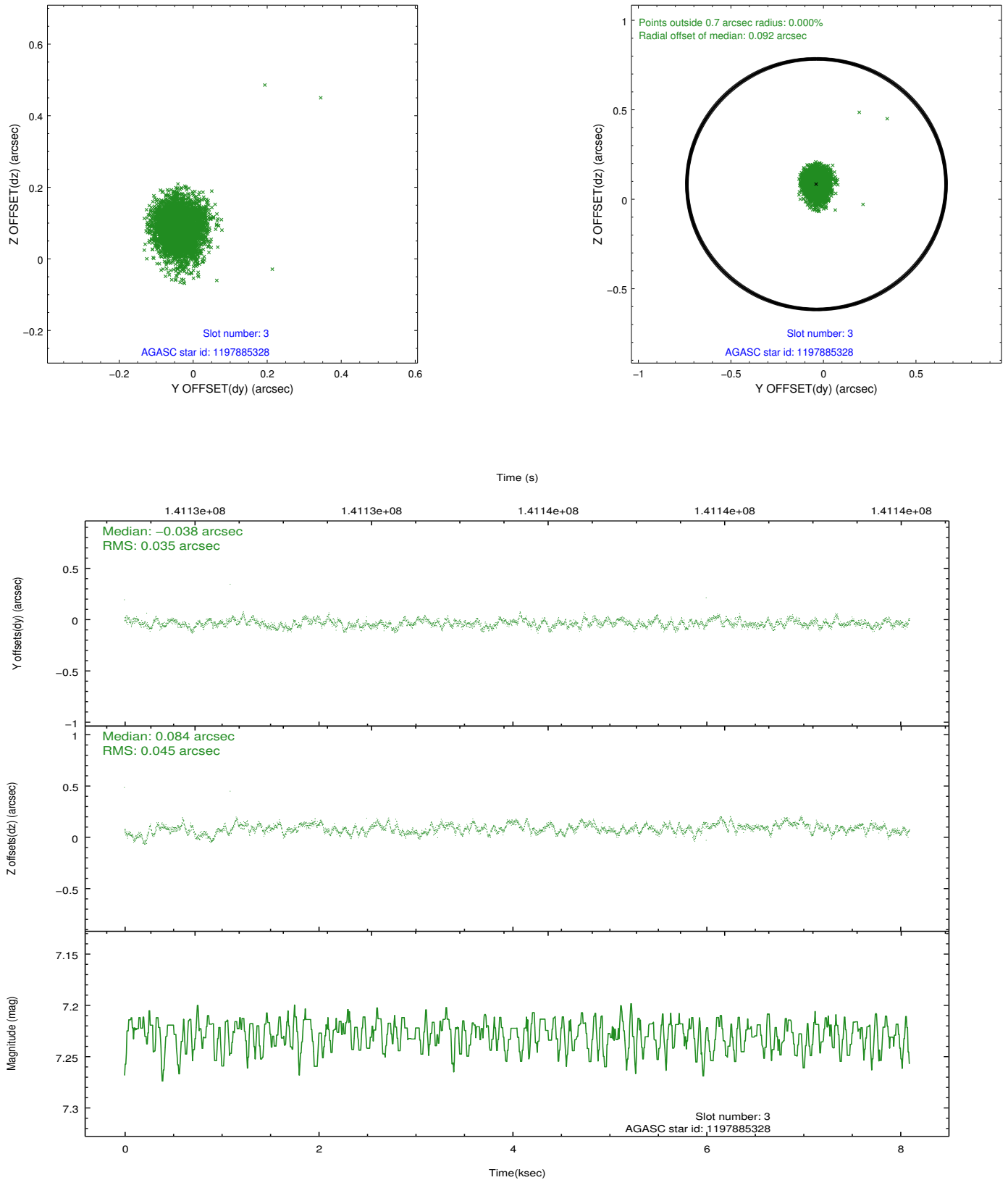


Slot Statistics

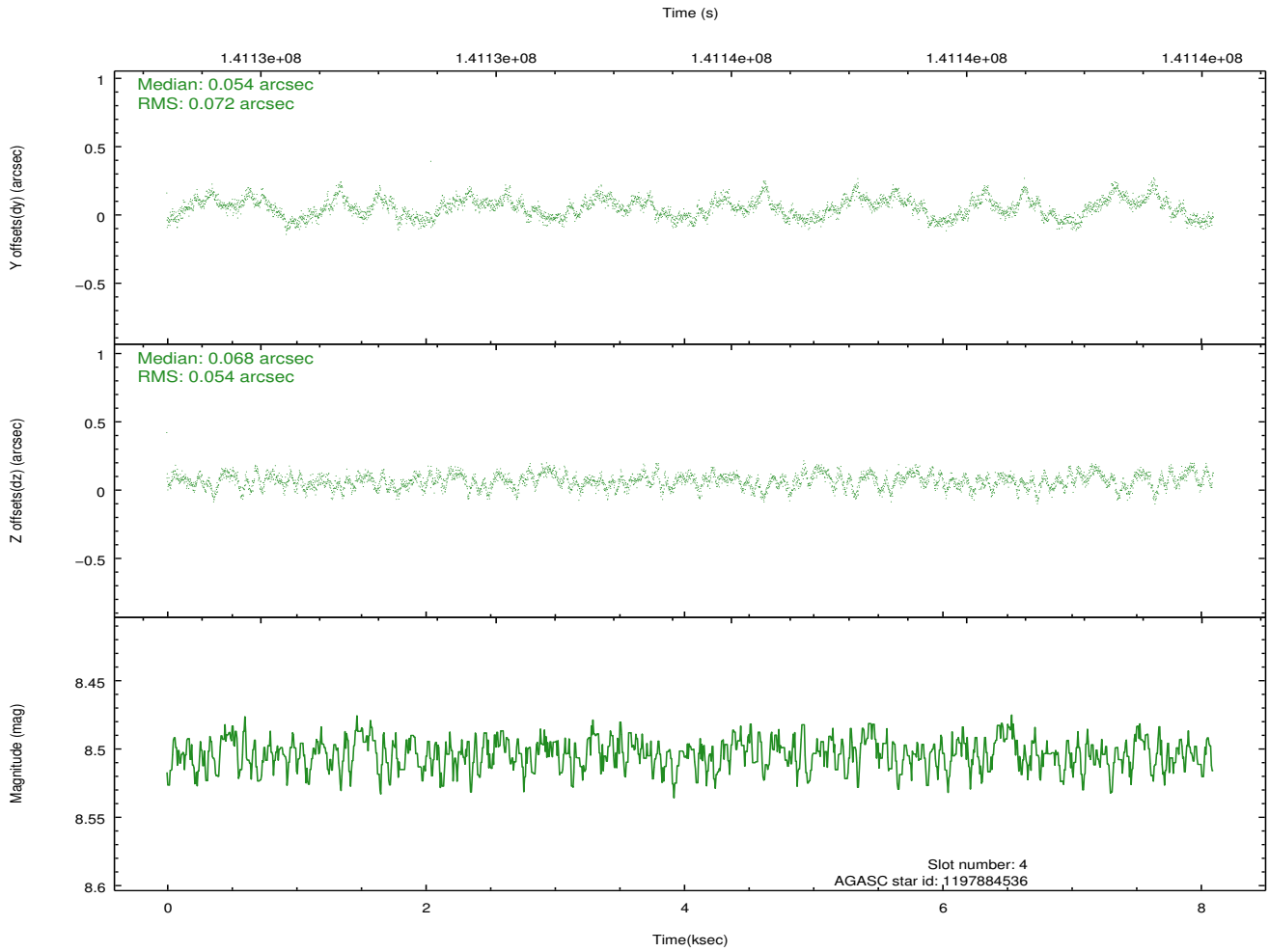
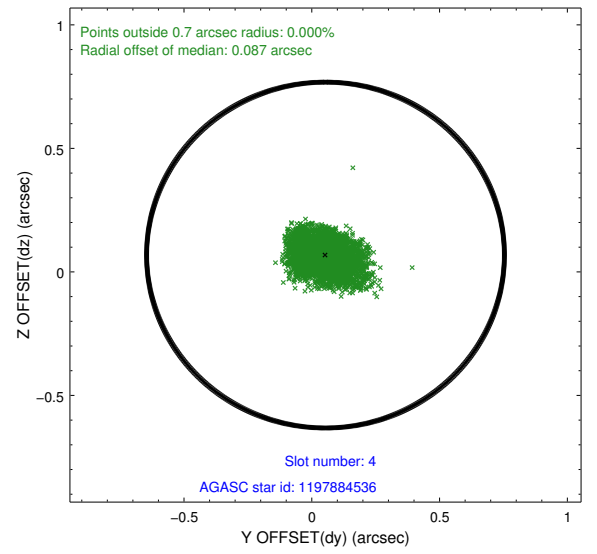
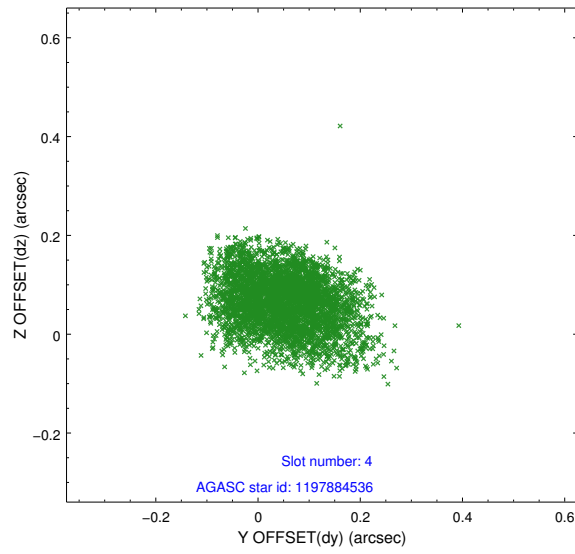
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1976	-0.018	0.007	0.007	0.012	0.000000	0.000000	-755.51	-1728.08
1	FID	ACIS-S-4	7.20	1976	-0.024	0.007	0.006	0.009	0.000000	0.000000	2157.44	179.71
2	FID	ACIS-S-5	7.24	1976	0.011	-0.005	0.007	0.011	0.000000	0.000000	-1807.44	174.13
3	GUIDE	1197885328	7.23	3952	-0.038	0.084	0.059	0.095	16.283090	-71.733943	404.97	-624.71
4	GUIDE	1197884536	8.50	3951	0.054	0.068	0.096	0.152	17.160729	-71.835289	-306.49	-1400.54
5	GUIDE	1197884712	8.30	3952	0.043	-0.098	0.061	0.097	16.087398	-72.252690	-1249.05	269.04
6	GUIDE	1197878768	9.60	3949	-0.068	0.054	0.163	0.288	16.656786	-71.304581	1677.95	-1599.17
7	GUIDE	1197749416	10.29	3950	0.023	-0.106	0.170	0.283	13.610513	-71.871242	998.14	2361.33

2.4 Star Slots

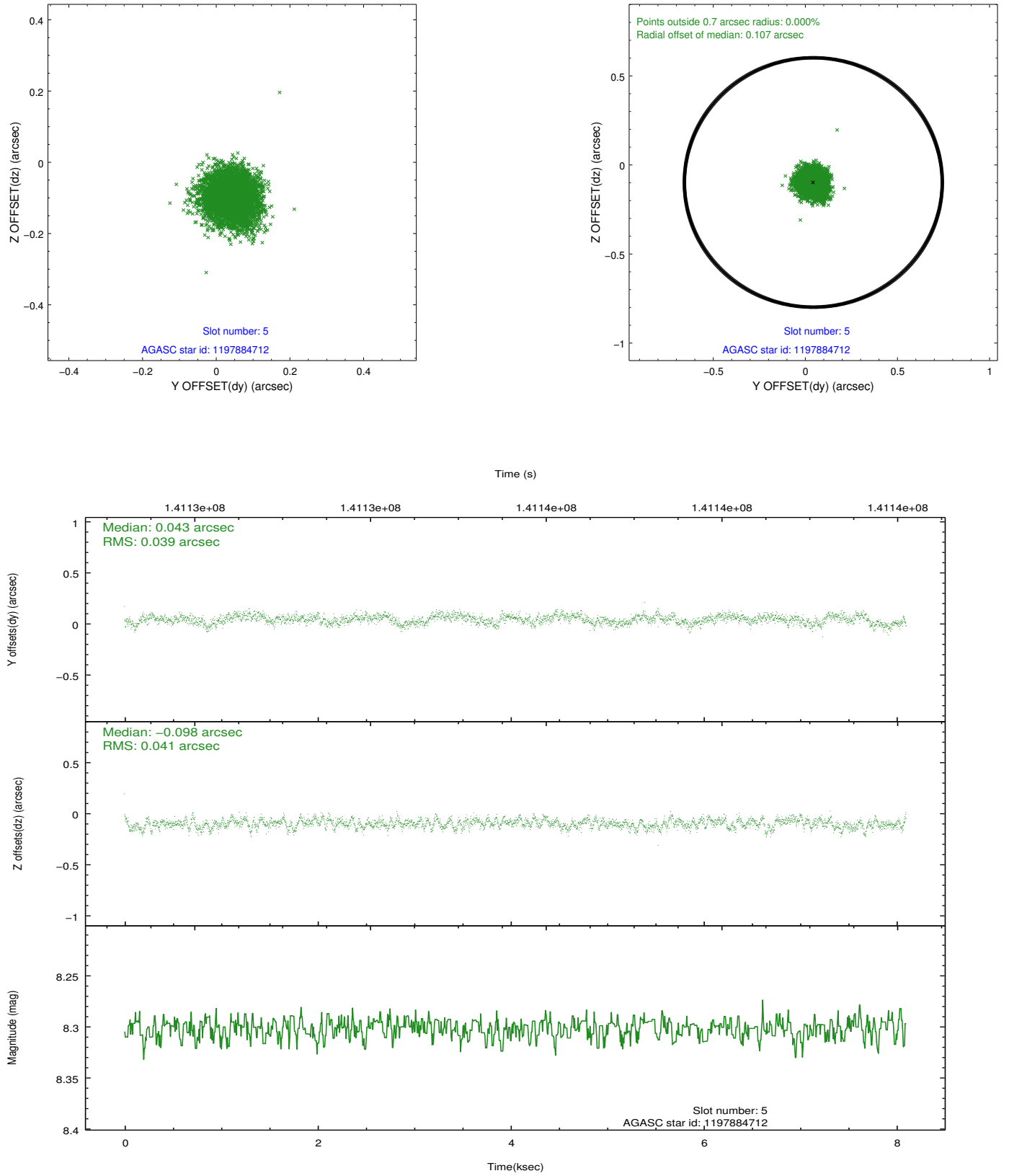
2.4.1 Slot 3



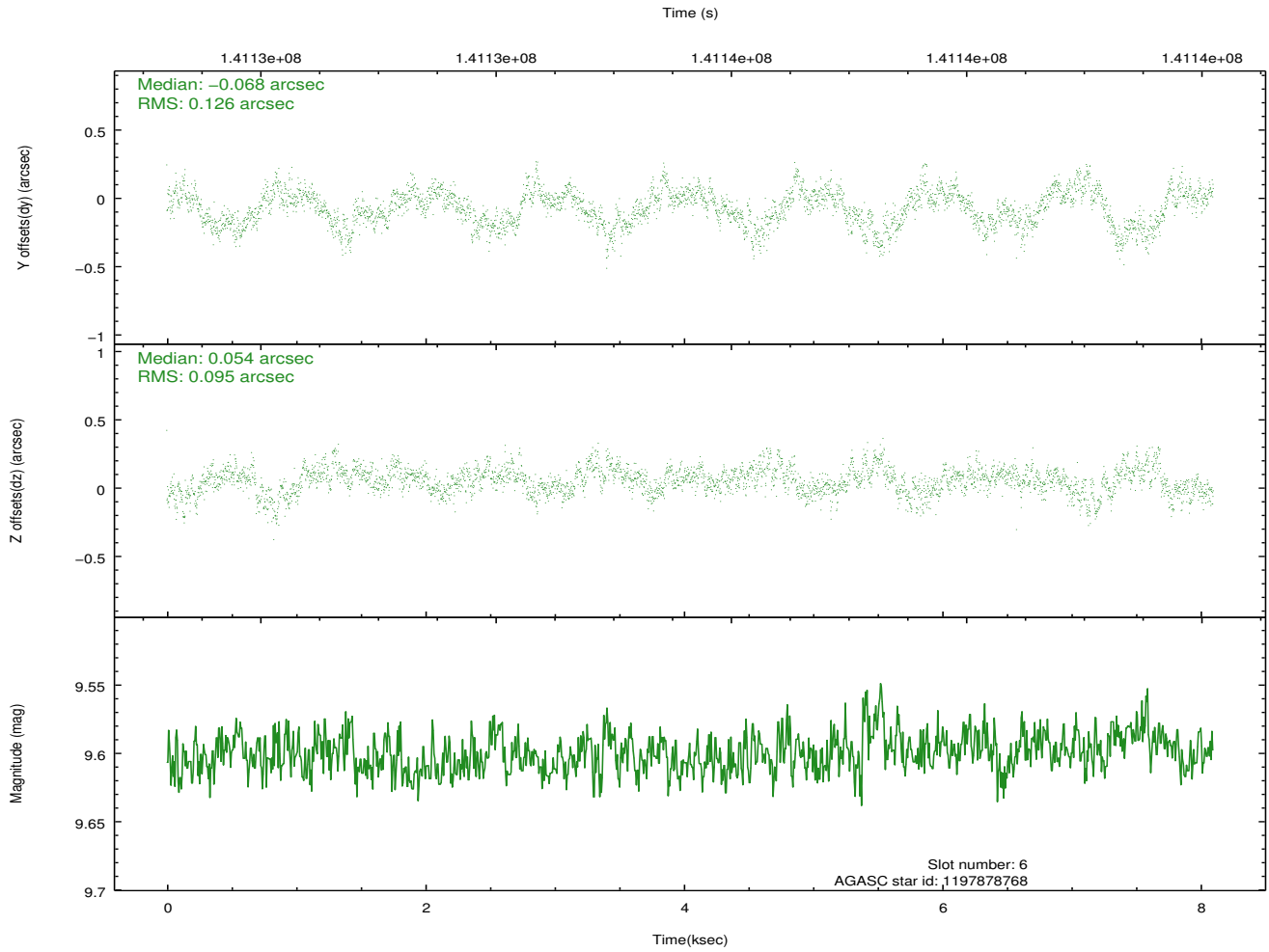
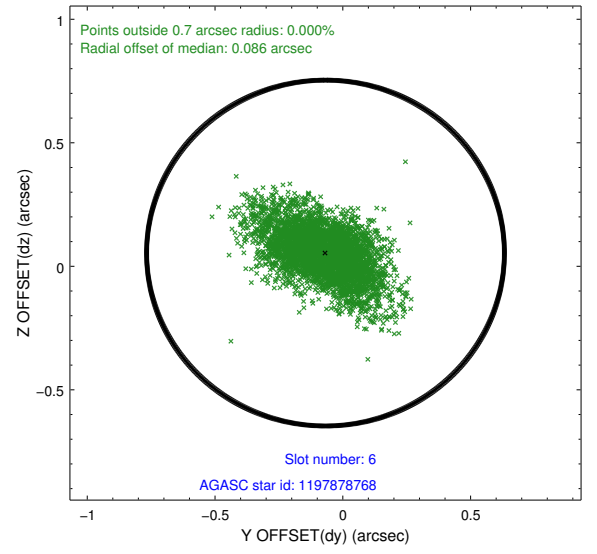
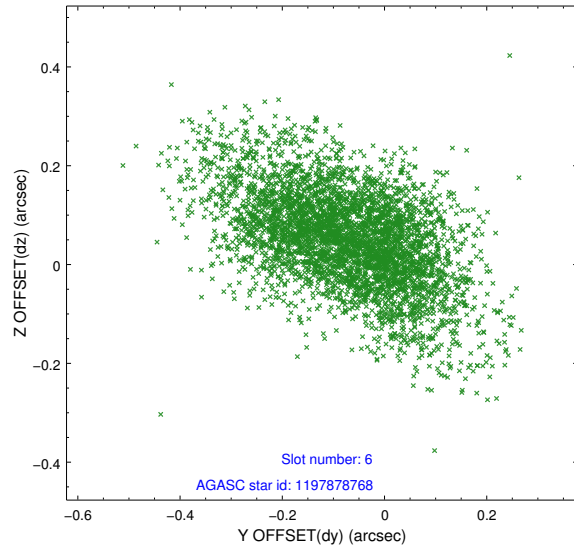
2.4.2 Slot 4



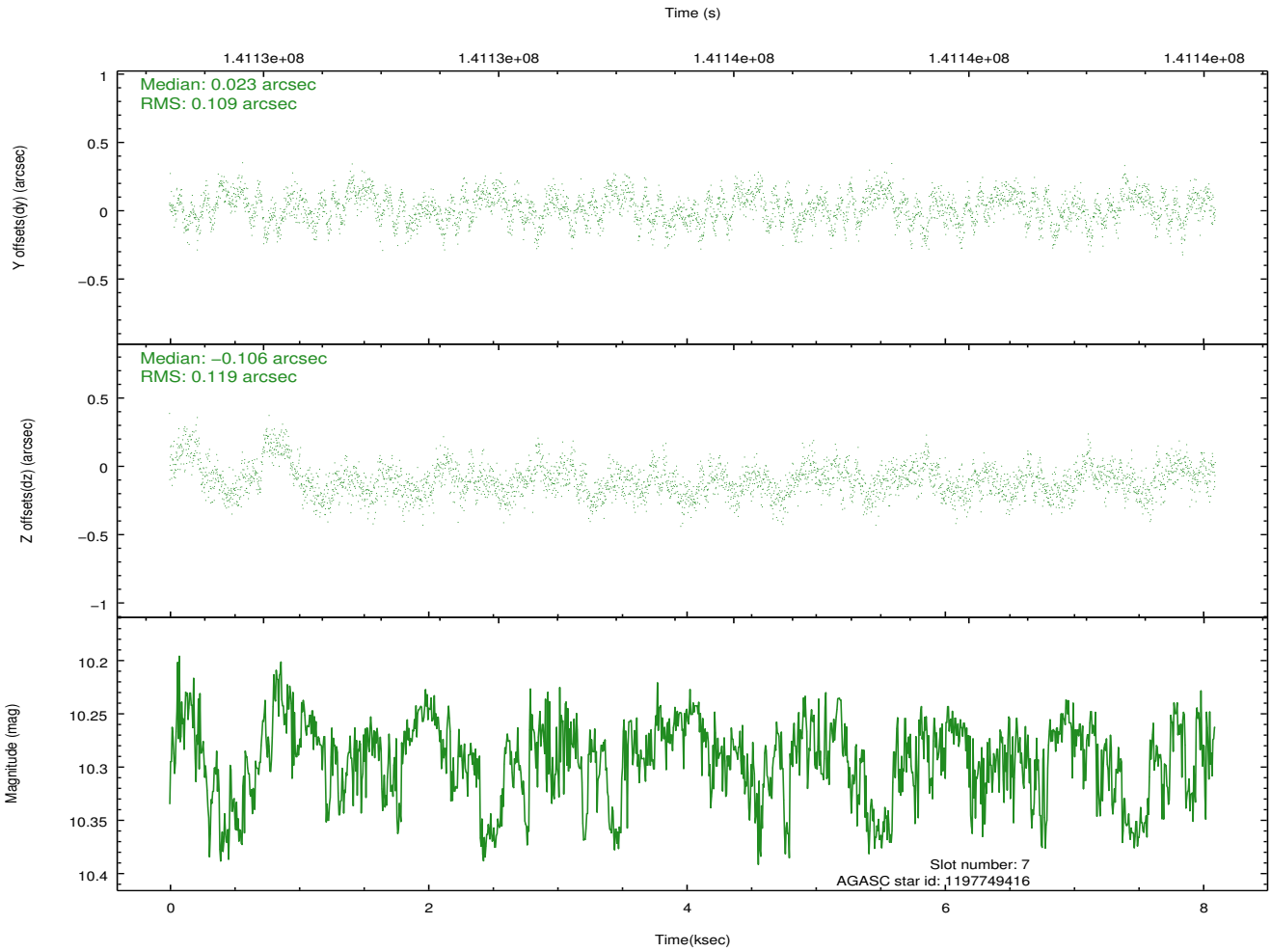
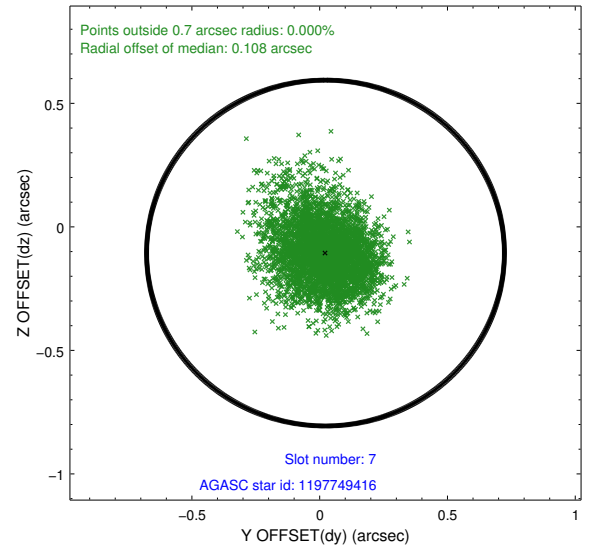
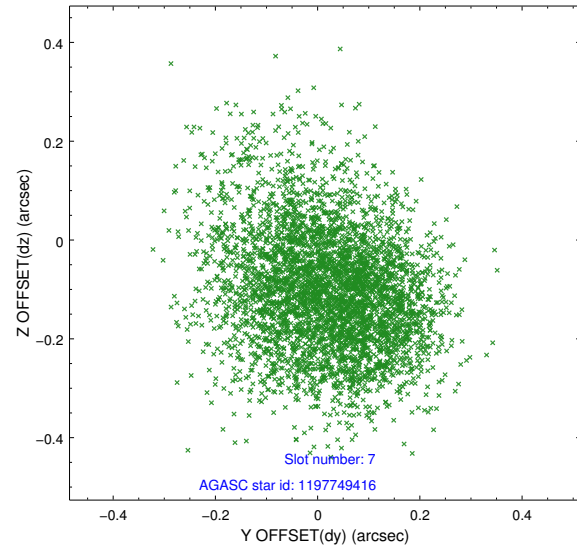
2.4.3 Slot 5



2.4.4 Slot 6

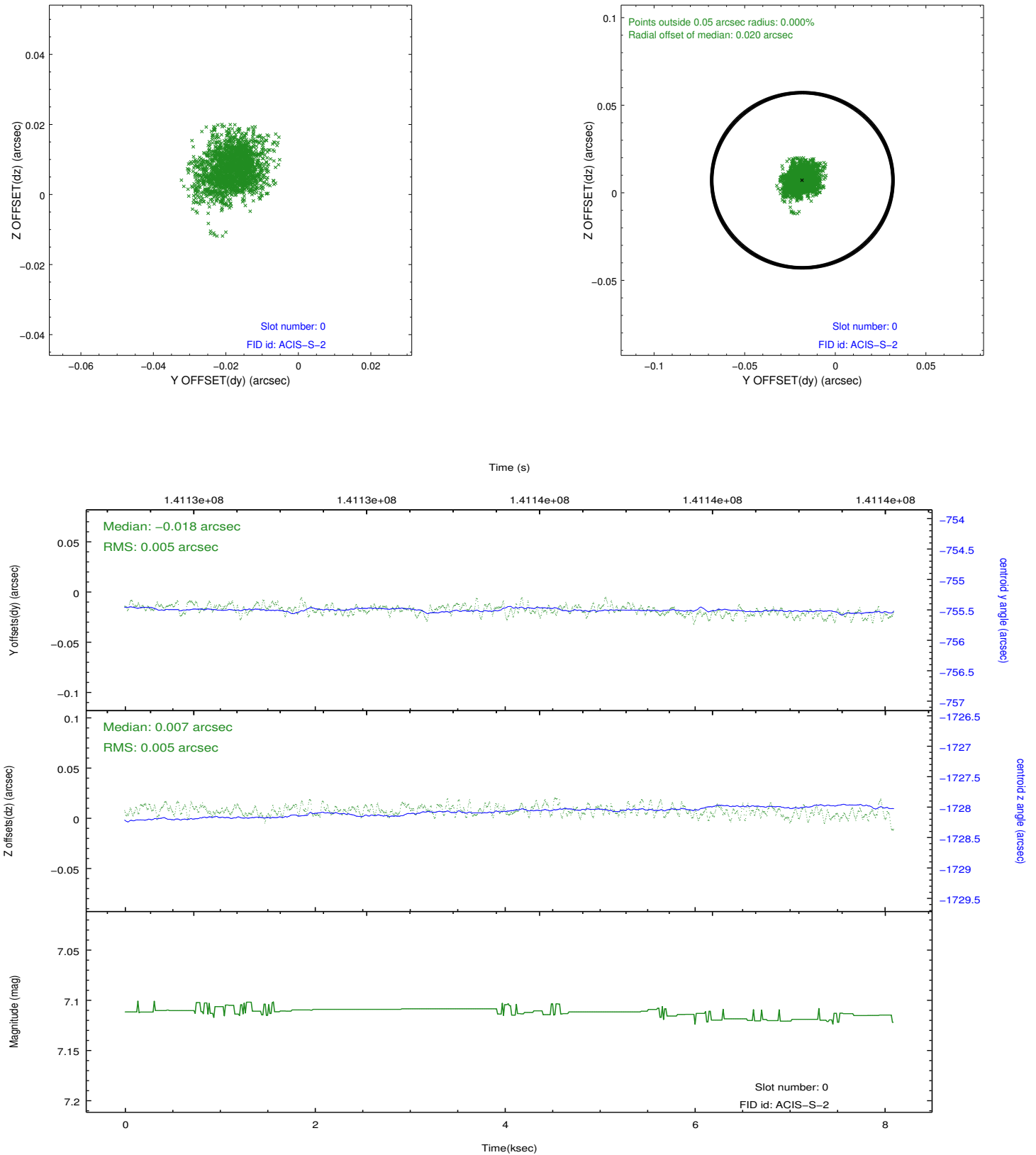


2.4.5 Slot 7

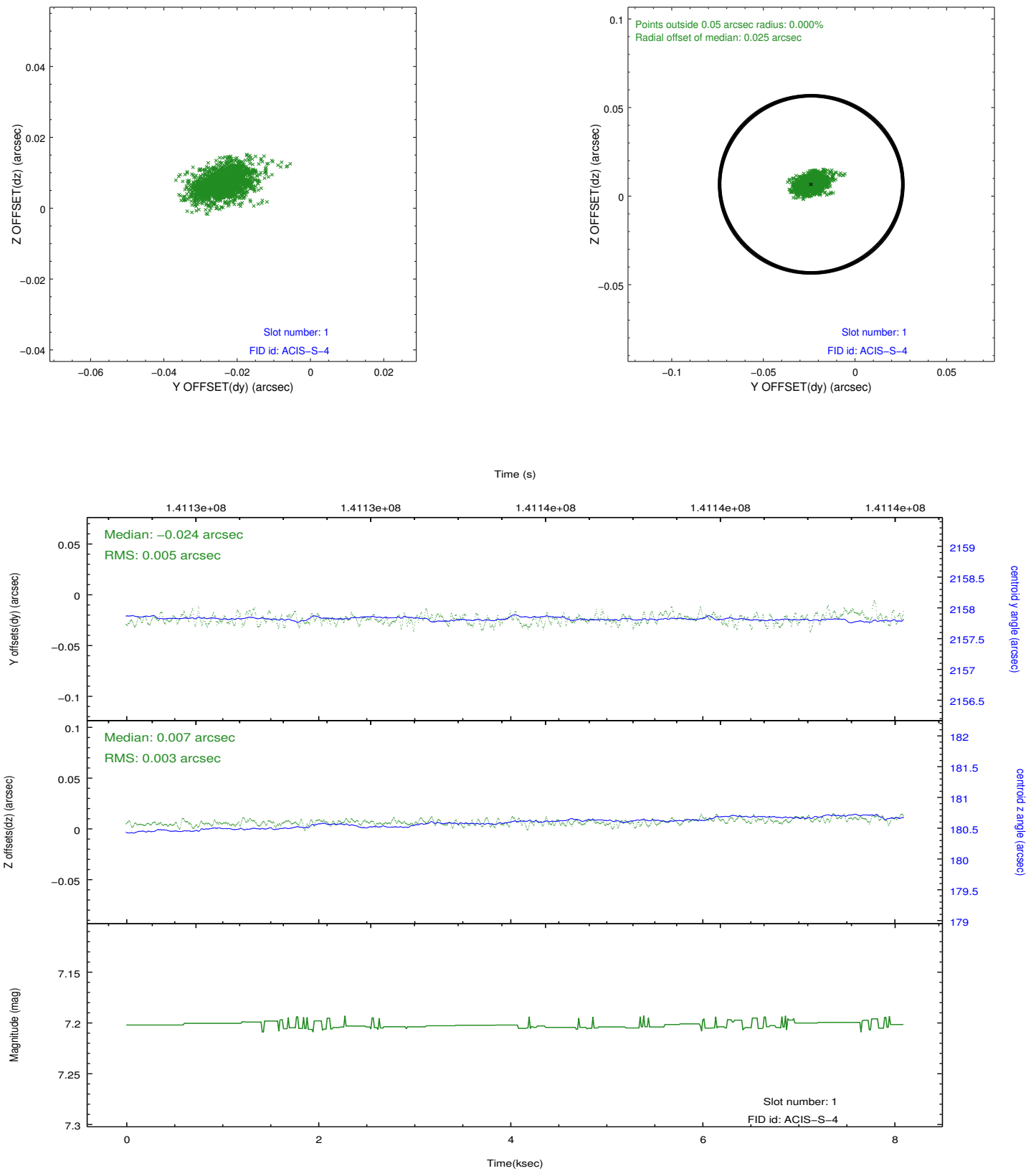


2.5 FID Slots

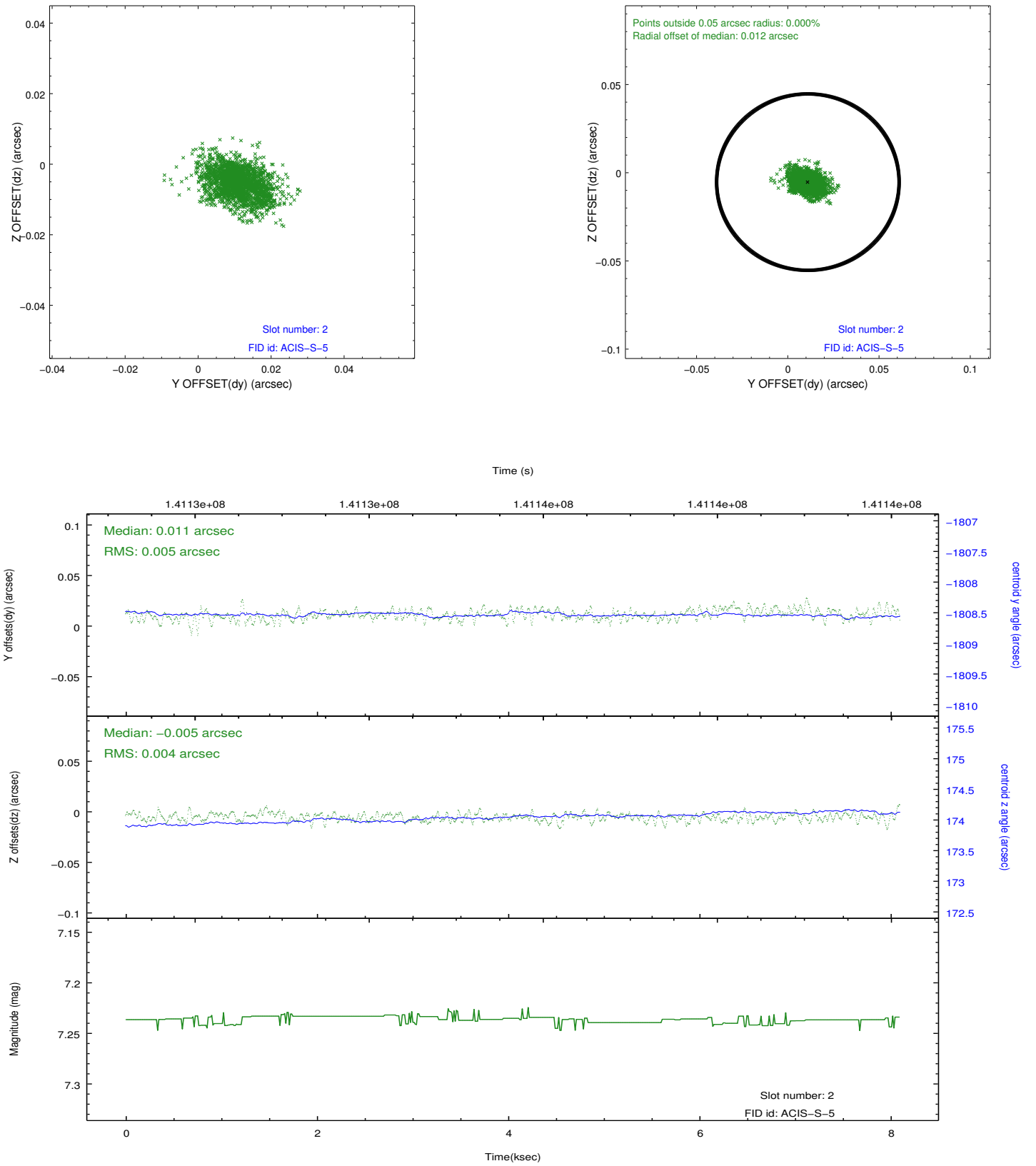
2.5.1 Slot 0



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	7.66

A.2 Comments

Window constraint met.