

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2454 - L2 Version 3
Chandra X-Ray Center

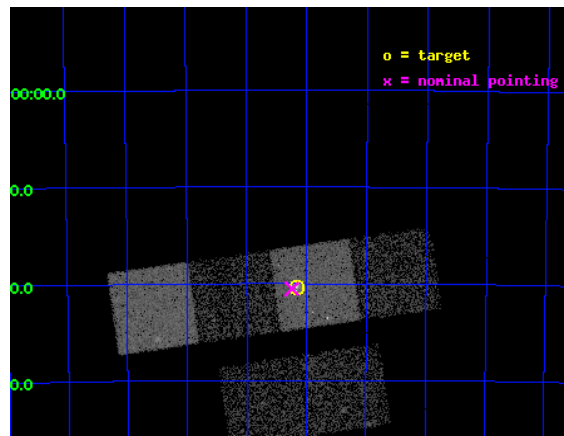
L2 Processing Date : Sep 18 2012

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1 Front

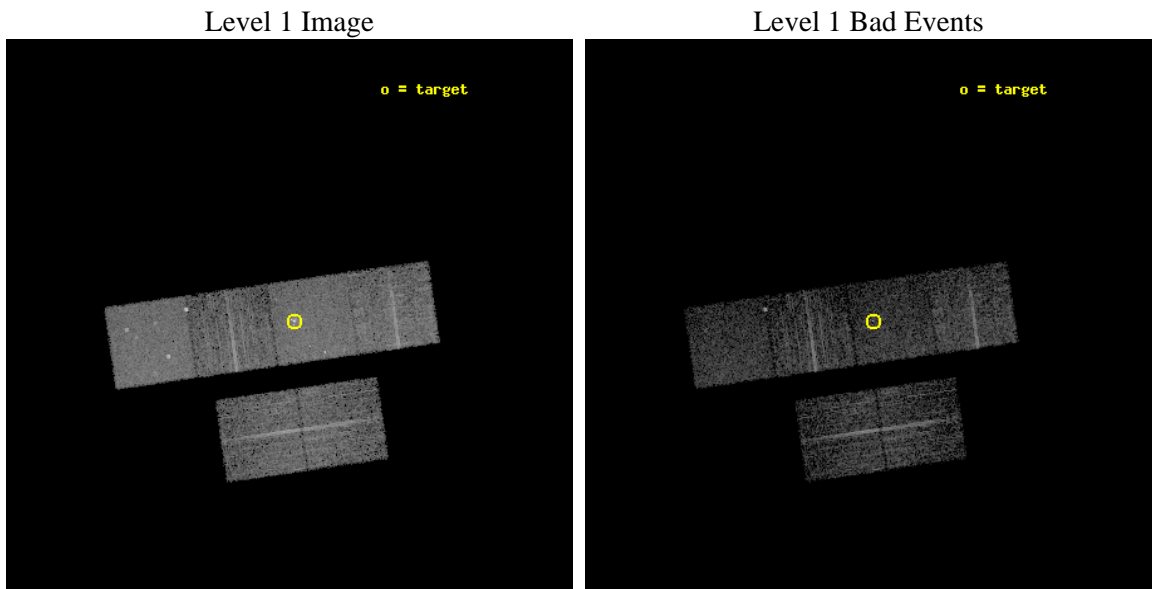
seq_num	700393	Sequence number
obs_id	2454	Observation id
title	THE ORIGIN OF THE DRAMATIC FLUX AND SPECTRAL VARIABILITY IN THE CIRCINUS GALAXY	Proposal title
observer	Professor Giorgio Matt	Principal investigator
object	CIRCINUS GALAXY	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.28875	Observer's specified target RA [deg]
dec_targ	-65.339167	Observer's specified target Dec [deg]
ra_nom	213.31114683521	Nominal RA [deg]
dec_nom	-65.342194955824	Nominal Dec [deg]
roll_nom	351.86700805551	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4454.4000041336	Sum of GTIs [s]
livetime	4397.9957091636	Livetime [s]
ontime2	4454.4000041336	Sum of GTIs [s]
ontime3	4454.4000041336	Sum of GTIs [s]
ontime5	4454.4000041336	Sum of GTIs [s]
ontime6	4454.4000041336	Sum of GTIs [s]
ontime7	4454.4000041336	Sum of GTIs [s]
ontime8	4451.1590438783	Sum of GTIs [s]
l2events	46769	Number of level 2 events



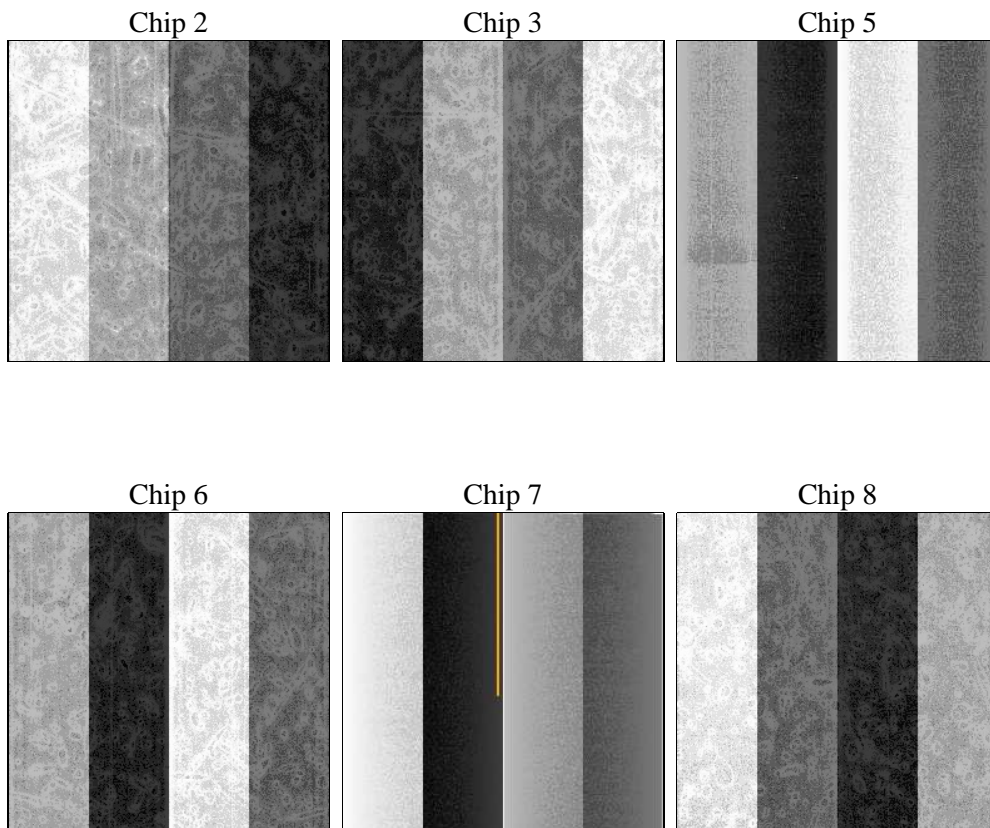
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4454.4000041336	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	4454.4000041336	Sum of GTIs [s]
date	2012-09-18T22:28:39	Date and time of file creation	ontime3	4454.4000041336	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4454.4000041336	Sum of GTIs [s]
			ontime6	4454.4000041336	Sum of GTIs [s]
			ontime7	4454.4000041336	Sum of GTIs [s]
			ontime8	4451.1590438783	Sum of GTIs [s]
			l1events	202116	Number of level 1 events

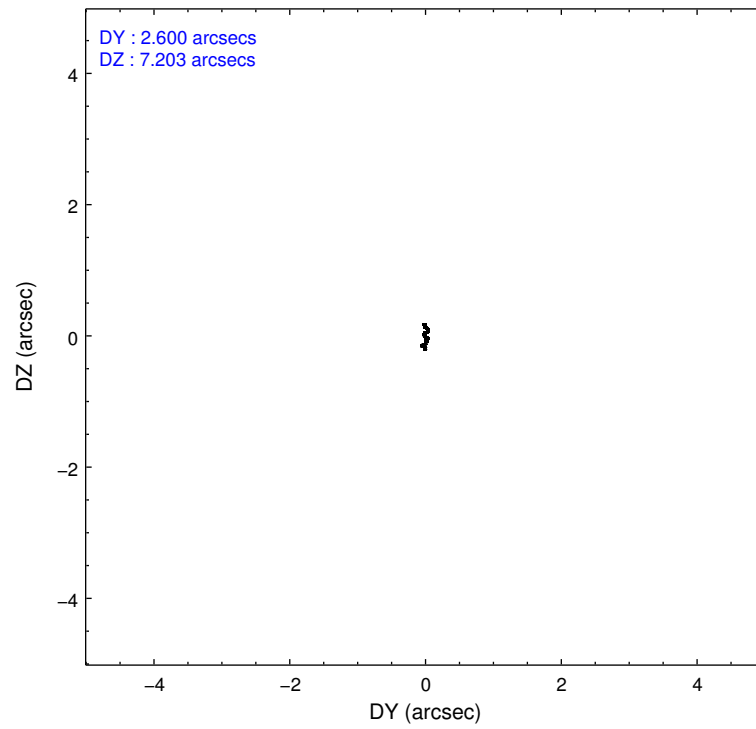
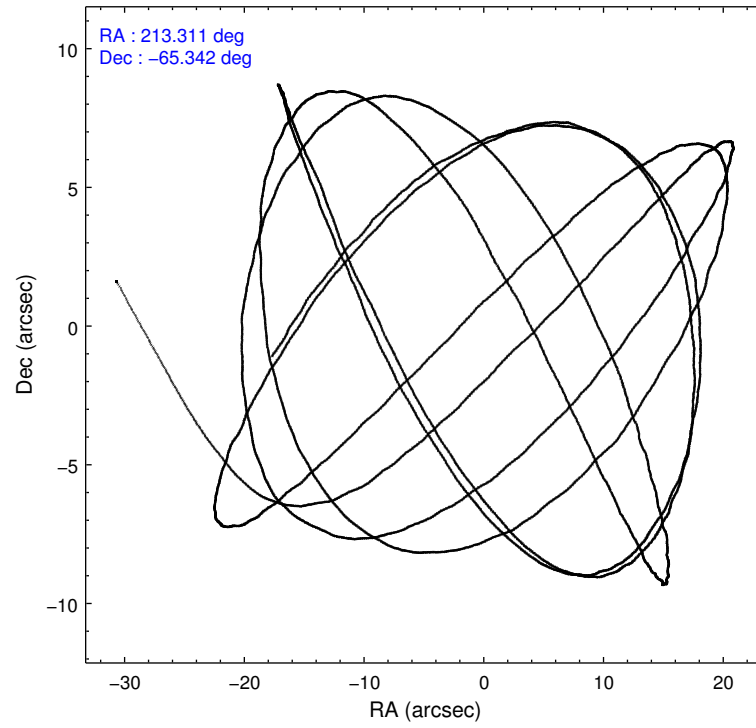
2.1.4 Events

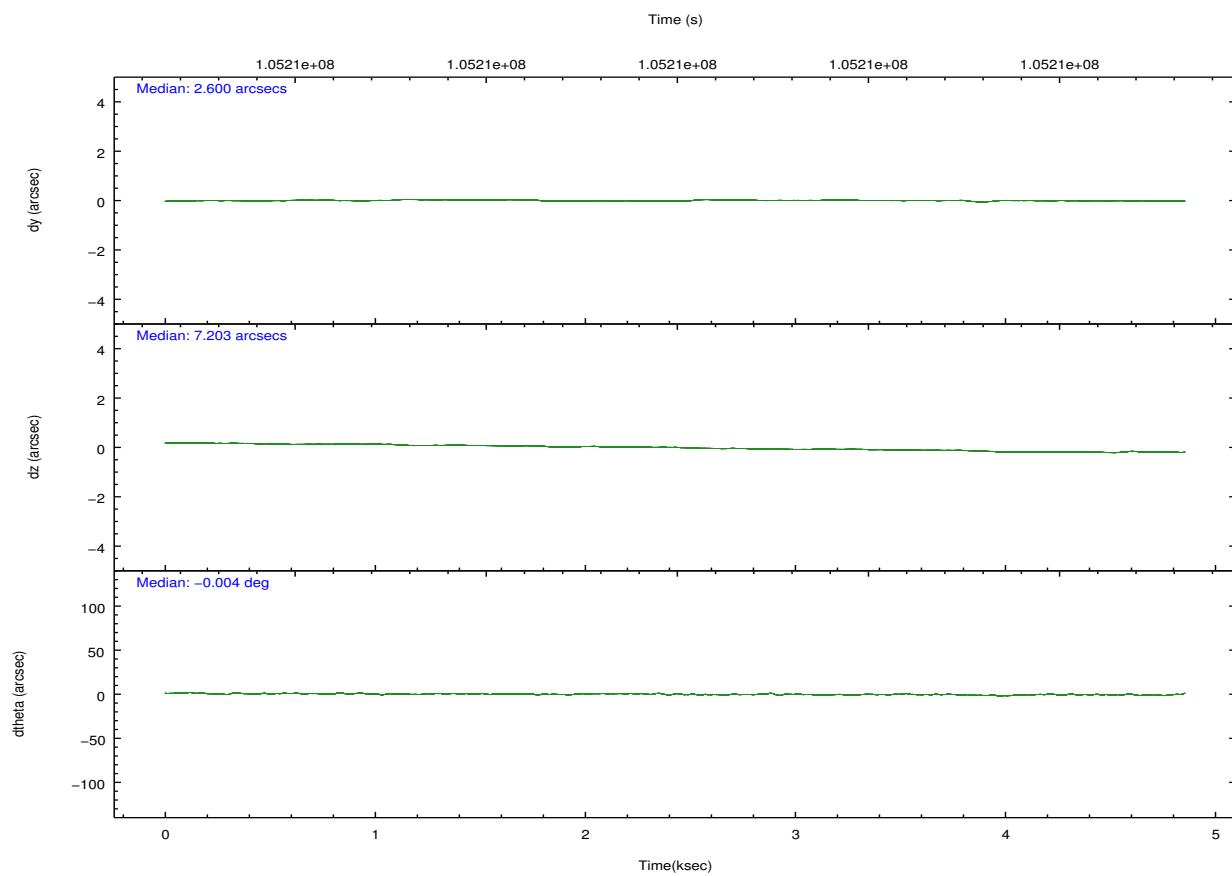
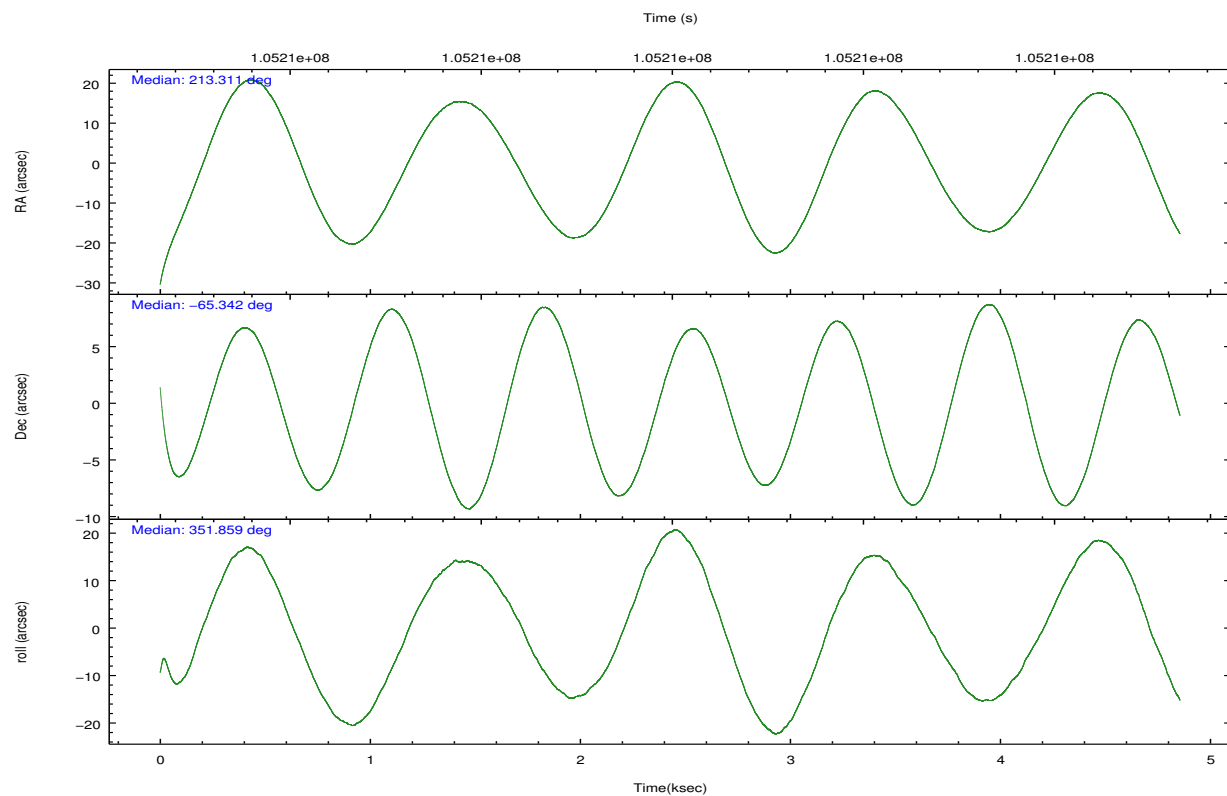
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28138	27951	40180	29146	40009	36692	grade 0 events	1441	1471	2412	1524	2418	2198
rejected events	24862	24713	21221	25664	21187	30255		5%	5%	6%	5%	6%	5%
rejected %	88%	88%	52%	88%	52%	82%	grade 1 events	12	10	263	15	61	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	693	622	5314	686	3919	1353
								2%	2%	13%	2%	9%	3%
							grade 3 events	272	292	731	329	1835	702
								0%	1%	1%	1%	4%	1%
							grade 4 events	300	288	768	331	1843	638
								1%	1%	1%	1%	4%	1%
							grade 5 events	960	1025	3126	1113	3516	1416
								3%	3%	7%	3%	8%	3%
							grade 6 events	575	568	9742	616	8831	1549
								2%	2%	24%	2%	22%	4%
							grade 7 events	23885	23675	17824	24532	17586	28813
								84%	84%	44%	84%	43%	78%

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	213.250500	213.3111468352136	Subarray requested	NONE	NONE
[deg] Pointing Dec	-65.352678	-65.34219495582354	Alternating exposures requested	N	N
[deg] Pointing Roll	351.655214	351.8670080555098	[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)	105207714.184000	105206632.00709			
Observation start date	2001-05-02T16:20:50	2001-05-02T16:03:52			
[s] Observation end time (MET)	105212414.184000	105213411.35735			
Observation end date	2001-05-02T17:39:10	2001-05-02T17:56:51			
Read mode	TIMED	TIMED			

2.3 Aspect



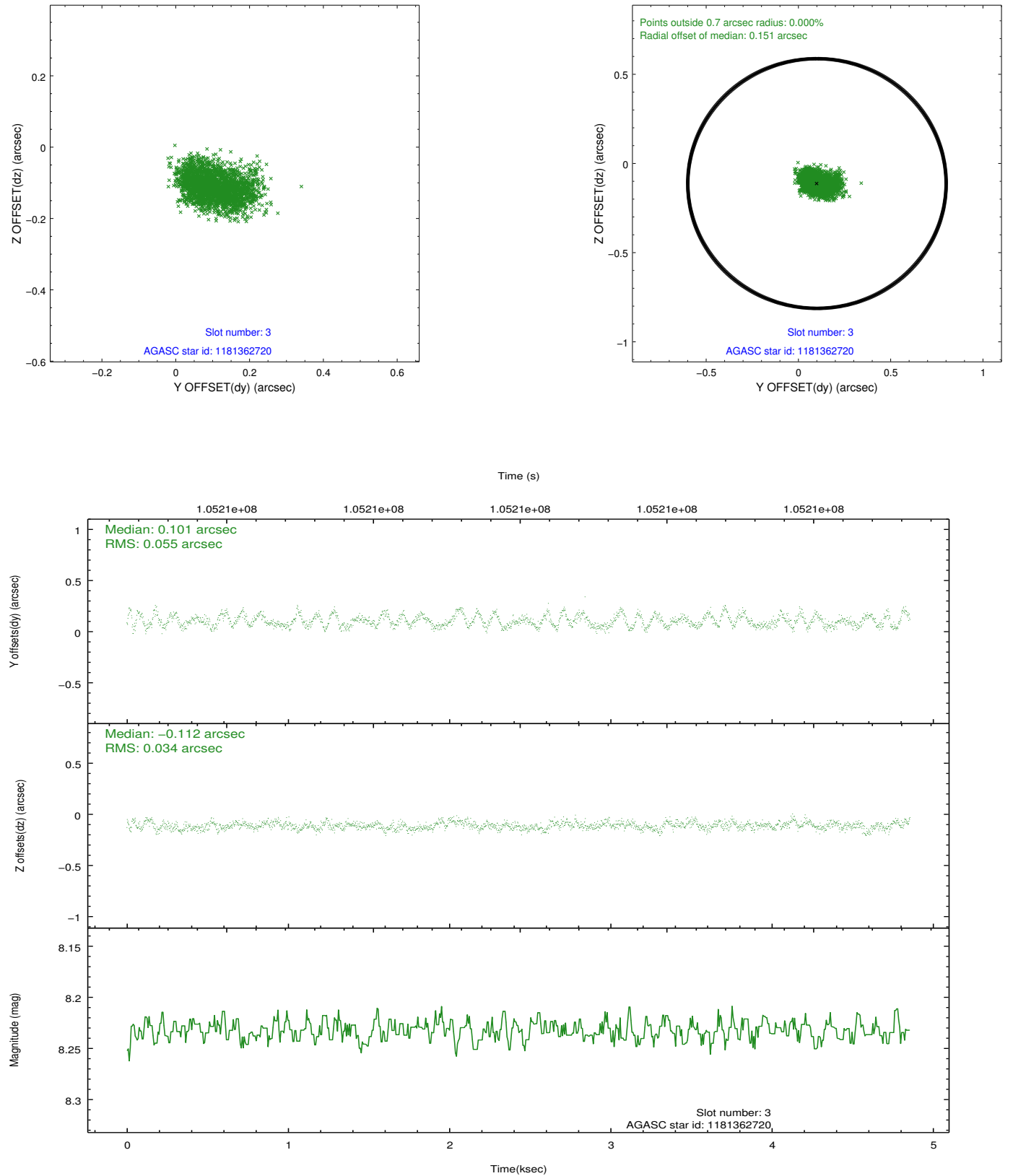


Slot Statistics

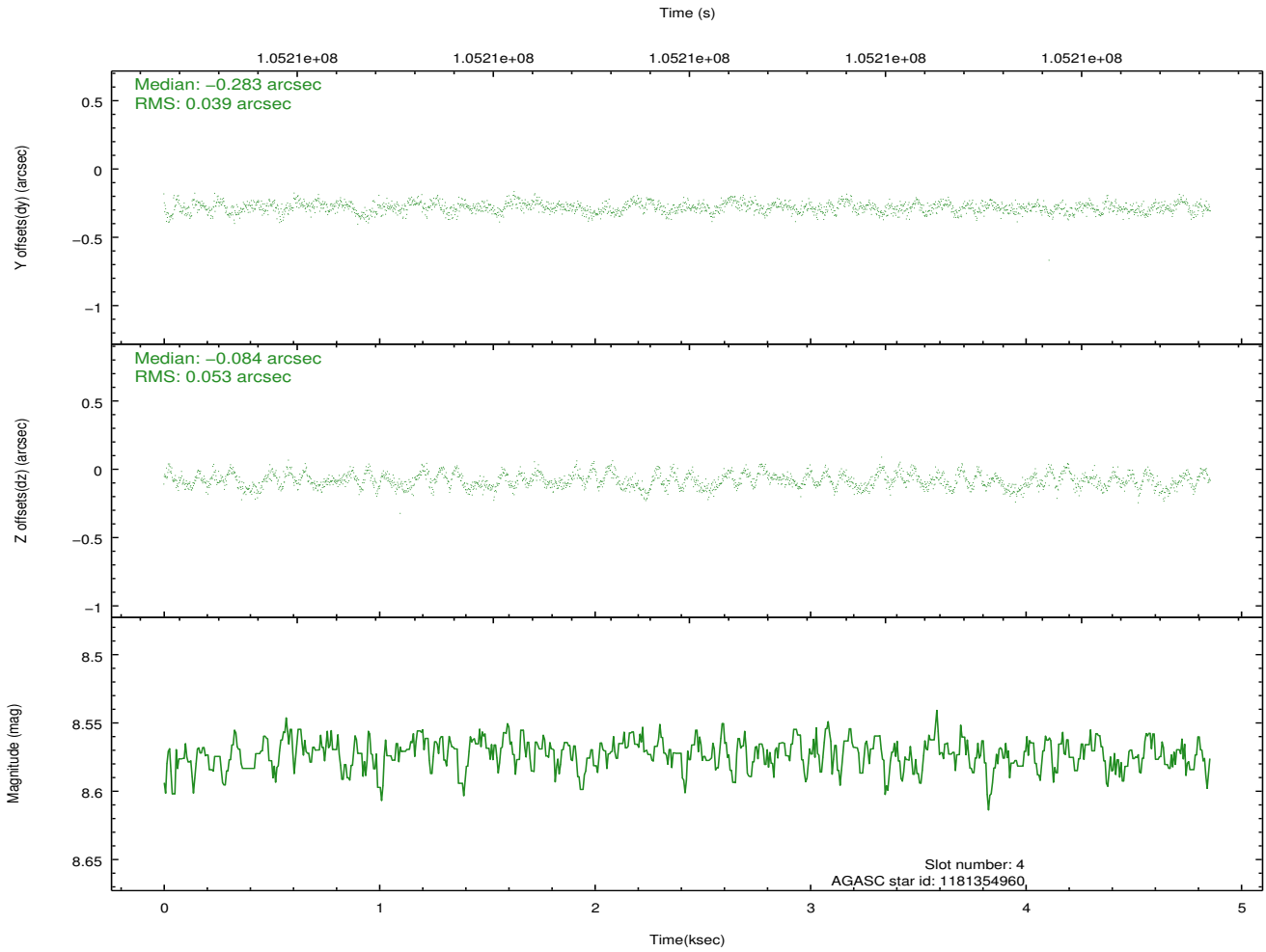
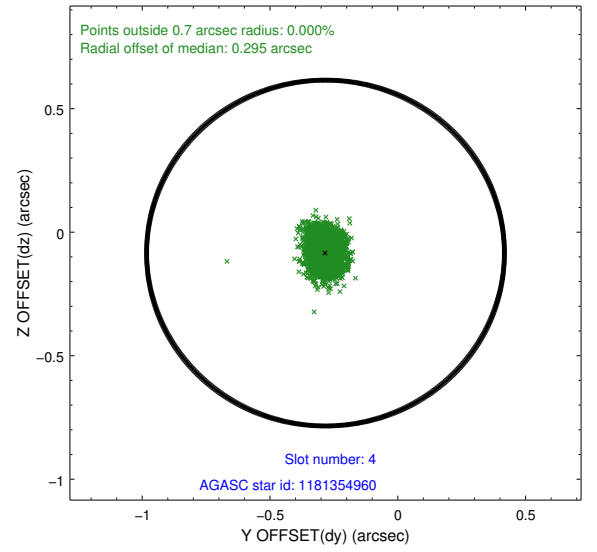
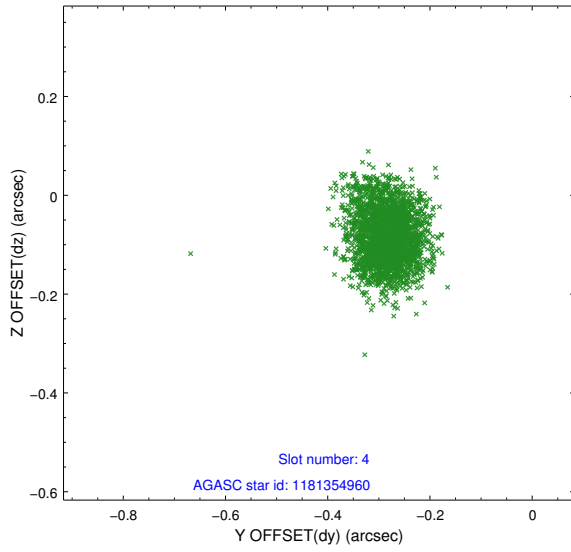
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1185	-0.010	-0.007	0.009	0.014	0.000000	0.000000	-755.24	-1728.37
1	FID	ACIS-S-4	7.19	1185	-0.045	0.007	0.006	0.011	0.000000	0.000000	2157.43	178.83
2	FID	ACIS-S-5	7.23	1185	0.024	0.009	0.008	0.014	0.000000	0.000000	-1806.43	173.94
3	GUIDE	1181362720	8.23	2370	0.101	-0.112	0.069	0.111	212.359703	-64.776136	-1651.44	1845.00
4	GUIDE	1181354960	8.57	2370	-0.283	-0.084	0.070	0.112	212.286192	-65.622482	-1275.23	-1179.70
5	GUIDE	1181363304	8.76	2368	0.115	-0.046	0.060	0.099	212.741873	-65.071033	-910.21	887.01
6	GUIDE	1181888328	9.13	2370	0.005	0.125	0.096	0.155	213.100875	-66.006078	125.30	-2359.31
7	GUIDE	1181492072	9.23	2368	0.054	0.122	0.073	0.117	214.479575	-65.592809	1937.81	-608.71

2.4 Star Slots

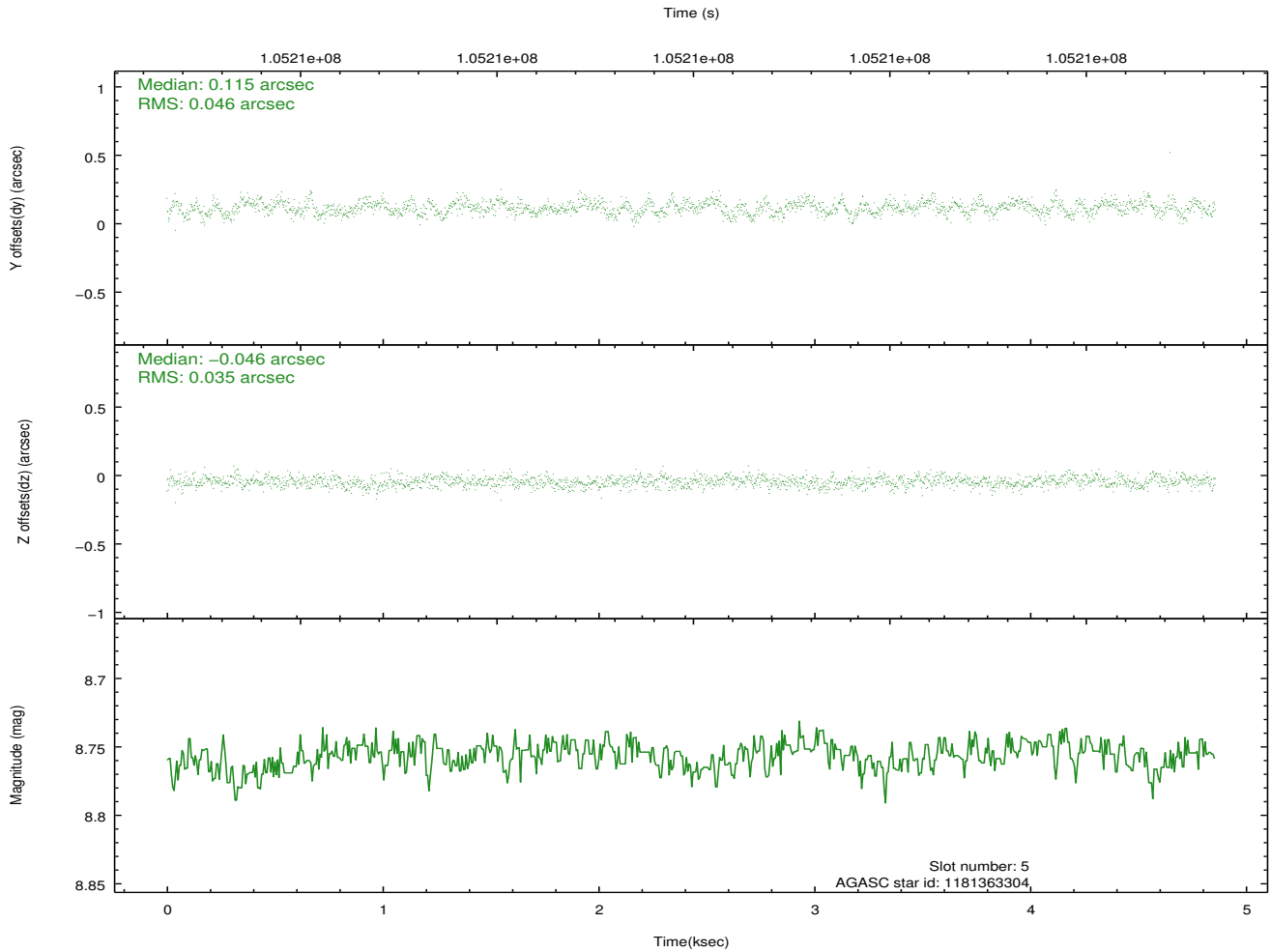
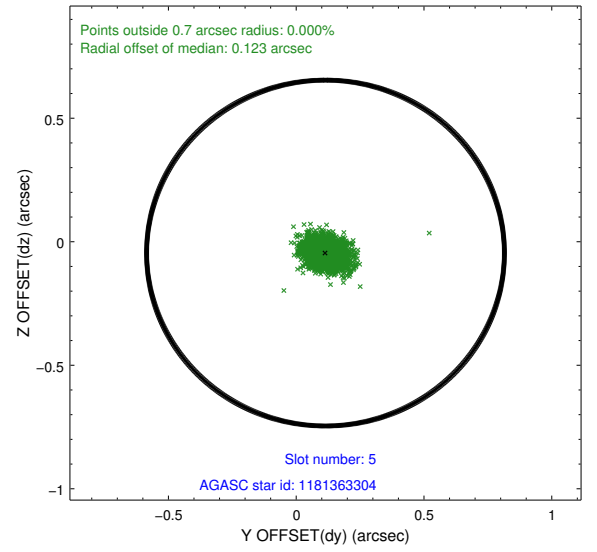
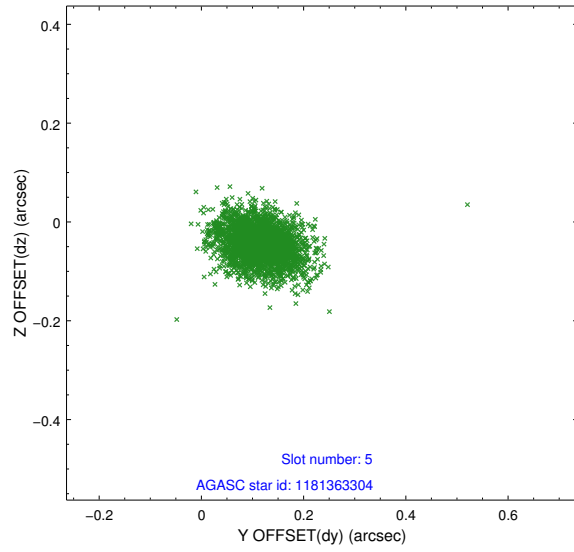
2.4.1 Slot 3



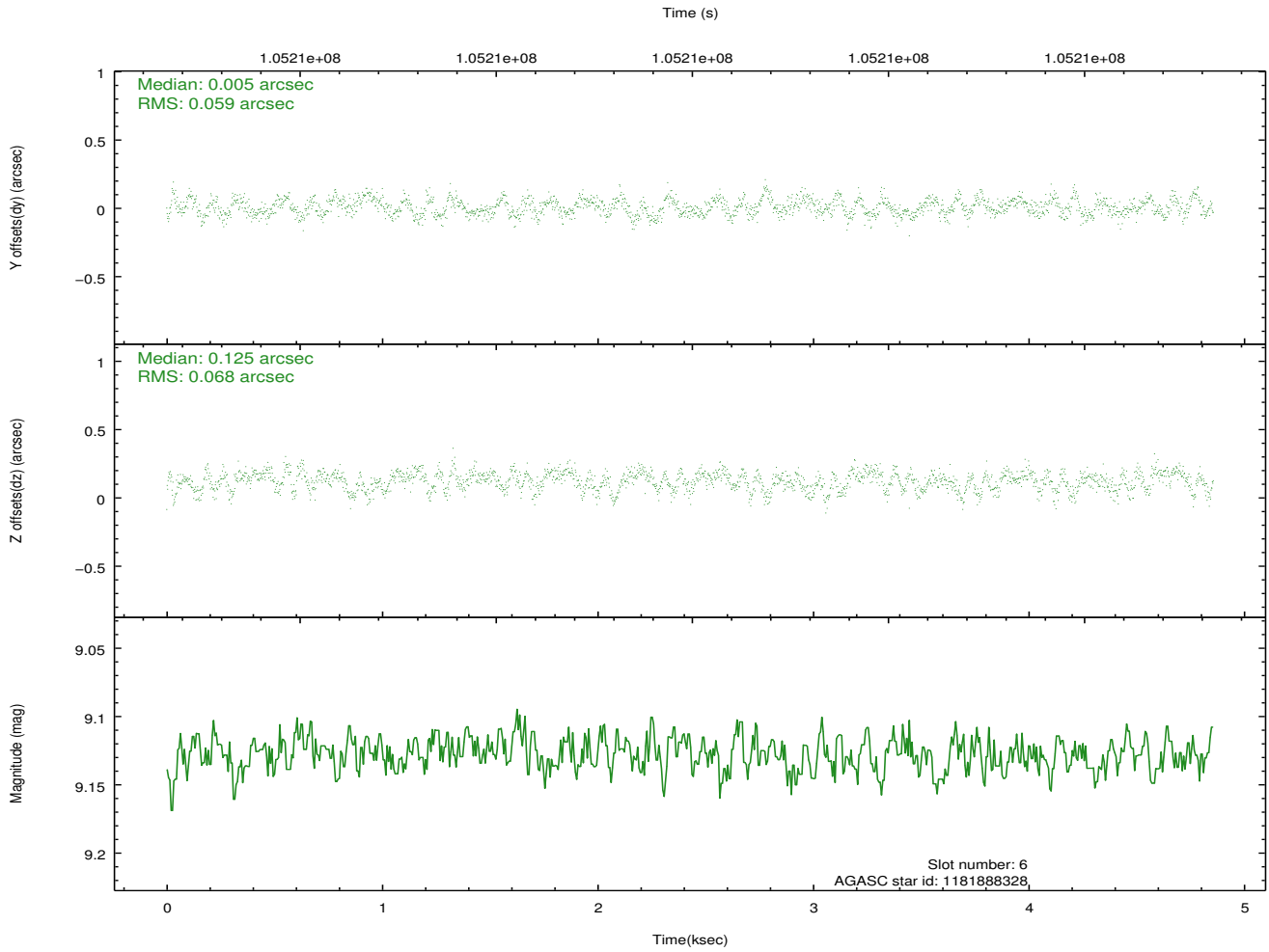
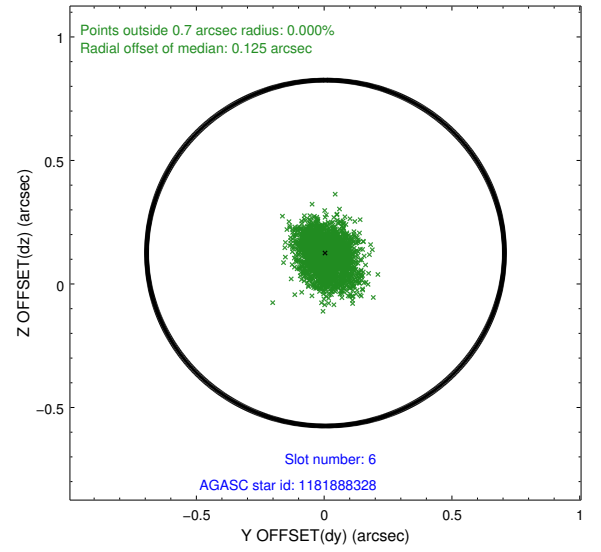
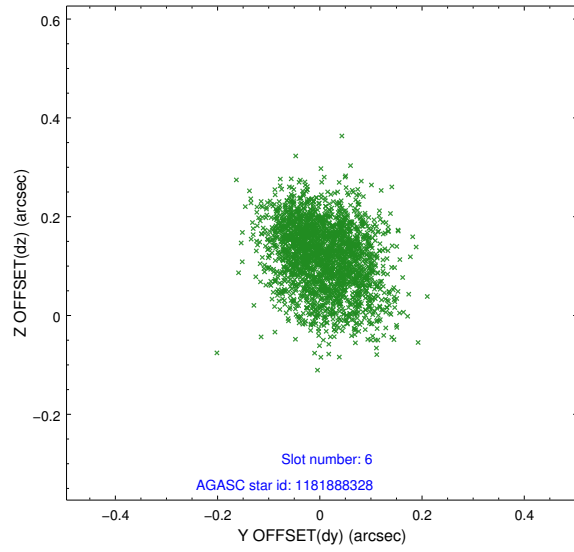
2.4.2 Slot 4



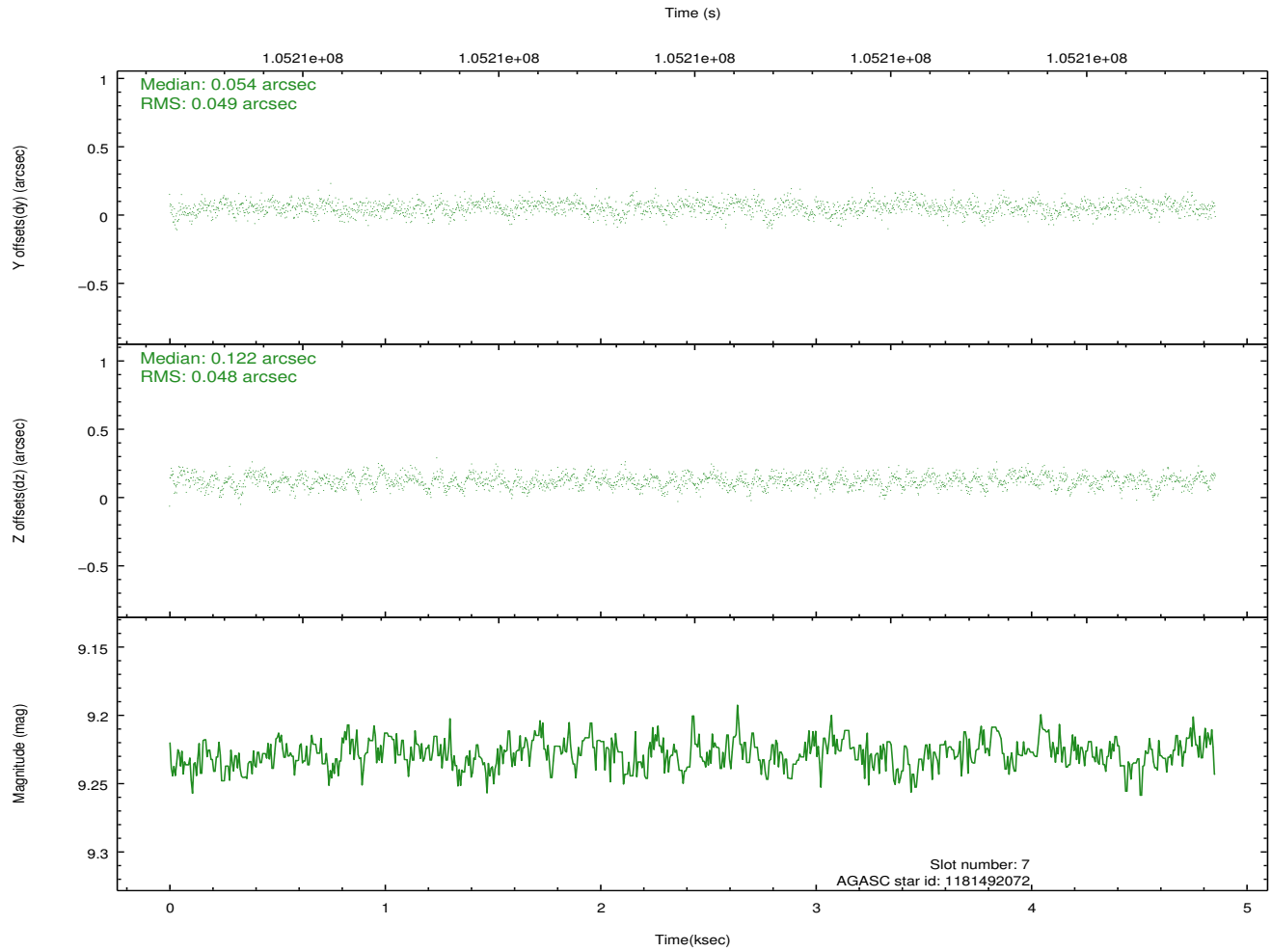
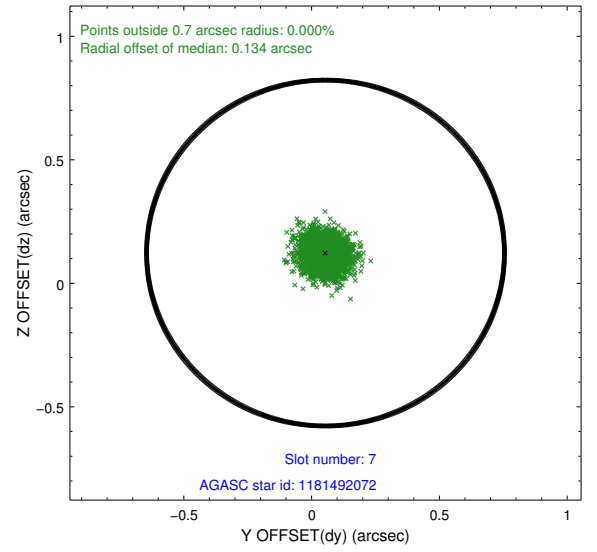
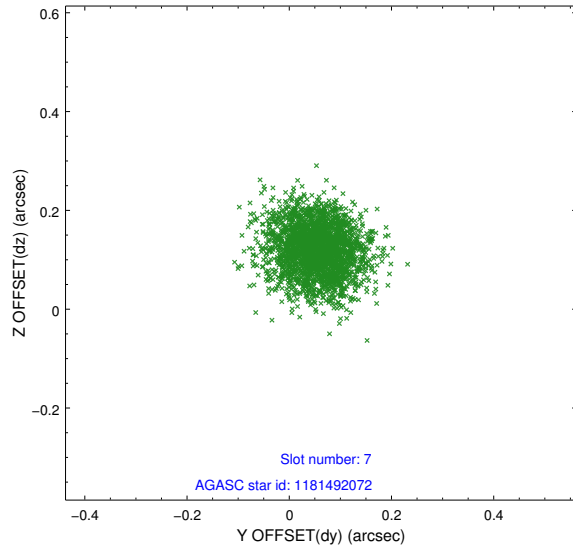
2.4.3 Slot 5



2.4.4 Slot 6

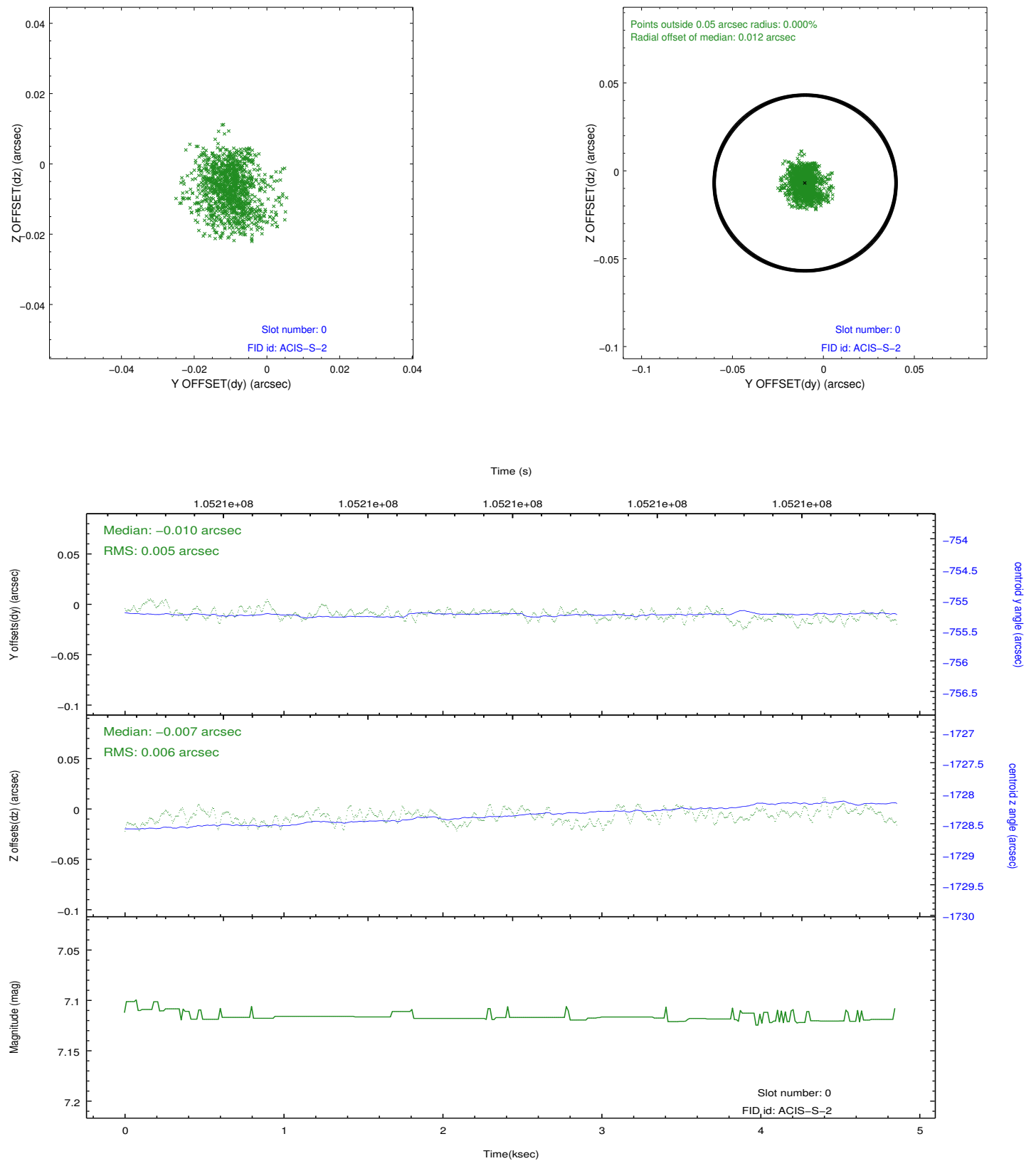


2.4.5 Slot 7

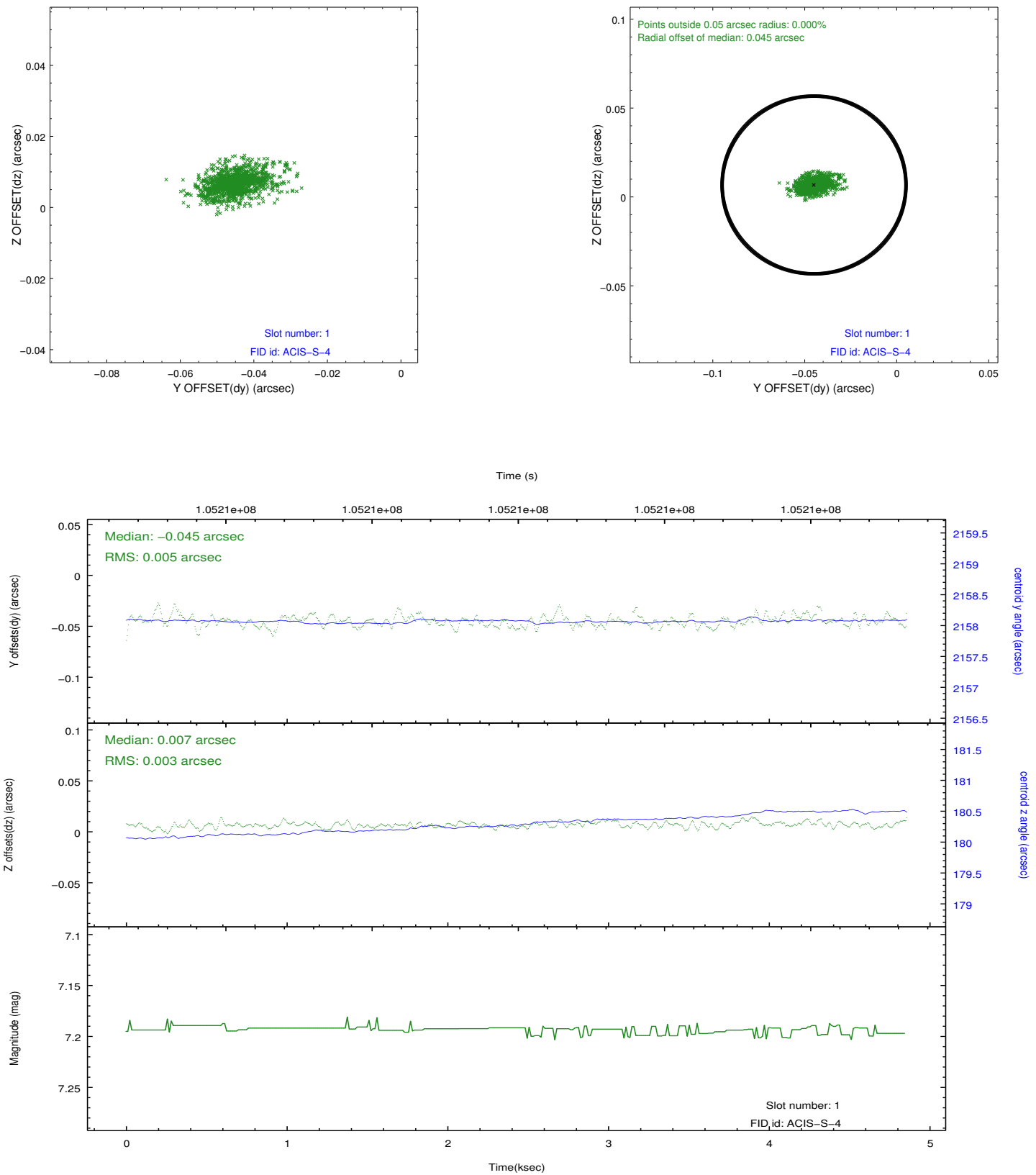


2.5 FID Slots

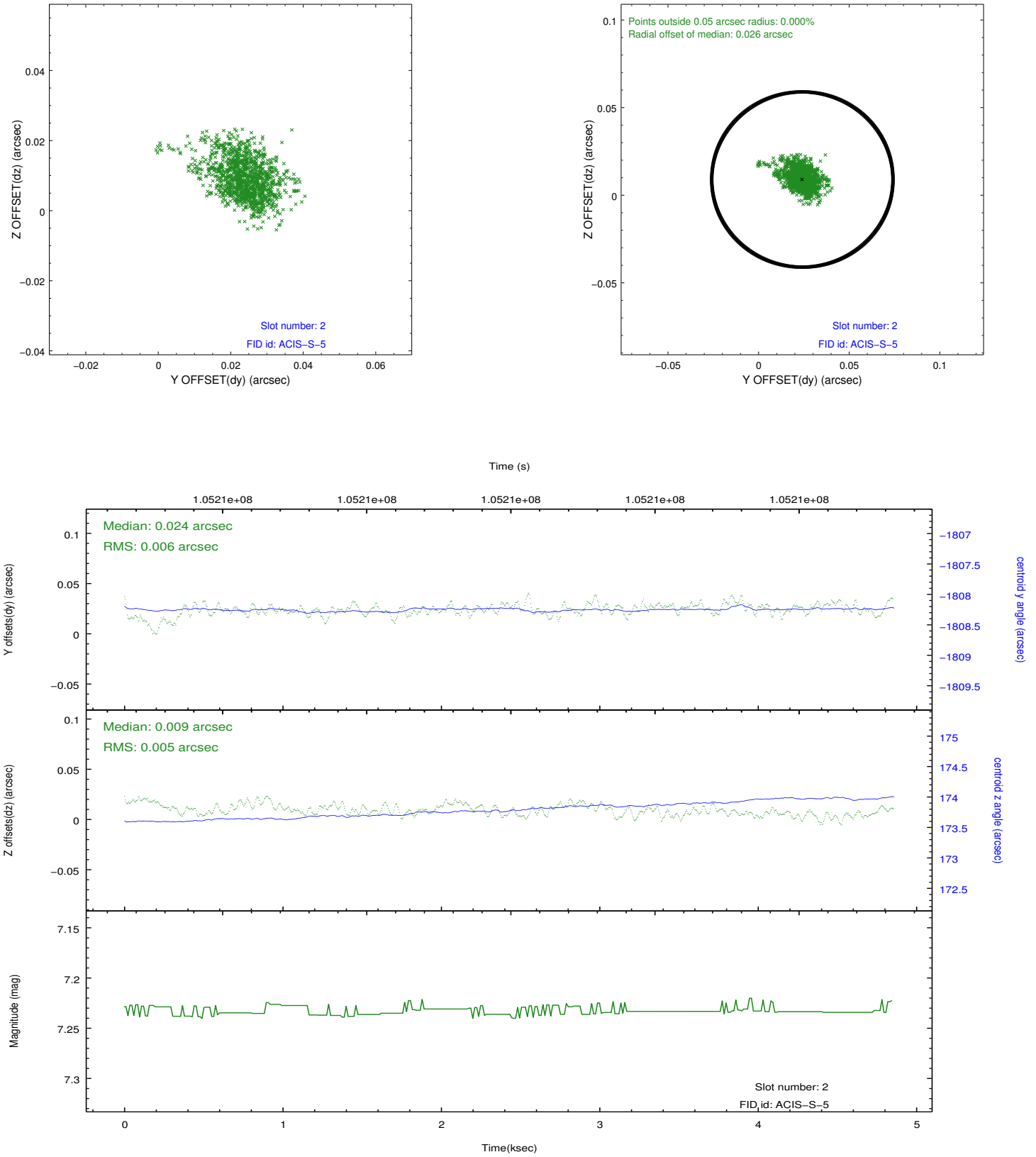
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.5

A.2 Comments