

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13169 - L2 Version 2
Chandra X-Ray Center

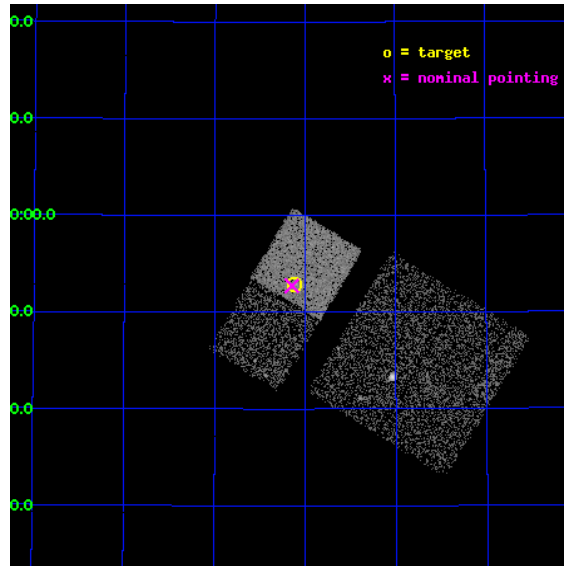
L2 Processing Date : Jul 6 2012

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1 Front

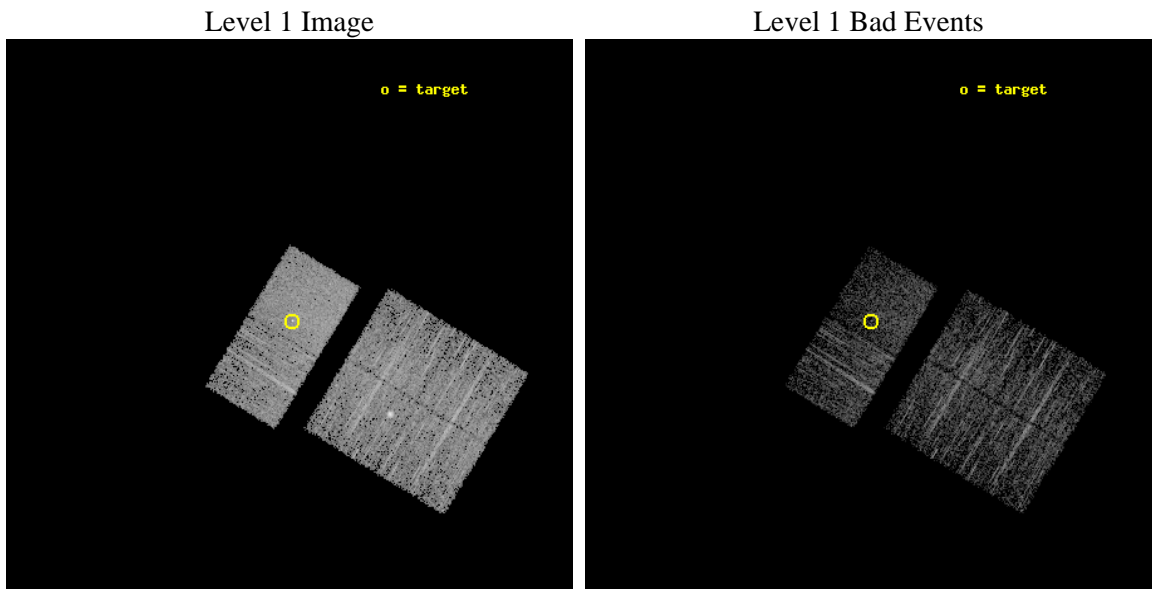
seq_num	401289	Sequence number
obs_id	13169	Observation id
title	Confirming the low-mass X-ray binaries in the Kepler field	Proposa
observer	Dr Jifeng Liu	Principal investigator
object	J192607.1+505252	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	291.529583	Observer's specified target RA [deg]
dec_targ	50.881111	Observer's specified target Dec [deg]
ra_nom	291.53647587589	Nominal RA [deg]
dec_nom	50.878791897307	Nominal Dec [deg]
roll_nom	301.29431632496	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2965.2204658985	Sum of GTIs [s]
livetime	2927.6730589179	Livetime [s]
ontime0	2965.2615059018	Sum of GTIs [s]
ontime1	2965.0563058853	Sum of GTIs [s]
ontime2	2965.0973458886	Sum of GTIs [s]
ontime3	2965.1383858919	Sum of GTIs [s]
ontime6	2965.1794258952	Sum of GTIs [s]
ontime7	2965.2204658985	Sum of GTIs [s]
l2events	22519	Number of level 2 events



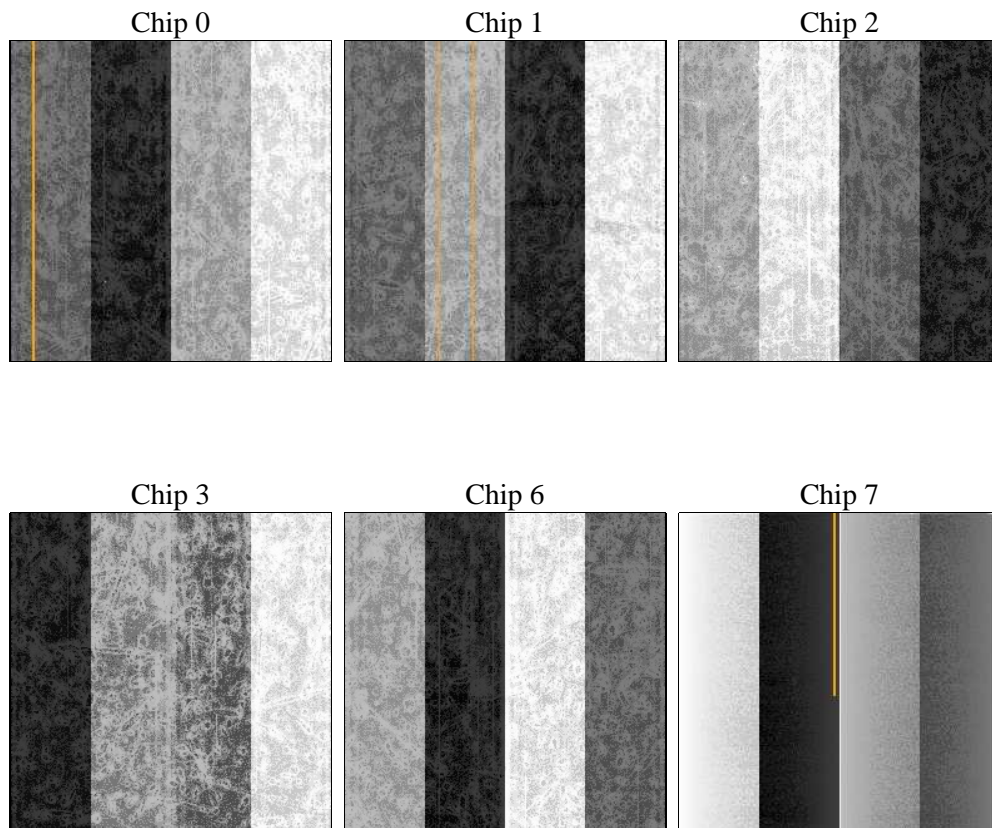
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2965.2204658985	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	2965.2615059018	Sum of GTIs [s]
date	2012-07-06T13:09:43	Date and time of file creation	ontime1	2965.0563058853	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2965.0973458886	Sum of GTIs [s]
			ontime3	2965.1383858919	Sum of GTIs [s]
			ontime6	2965.1794258952	Sum of GTIs [s]
			ontime7	2965.2204658985	Sum of GTIs [s]
			l1events	129753	Number of level 1 events

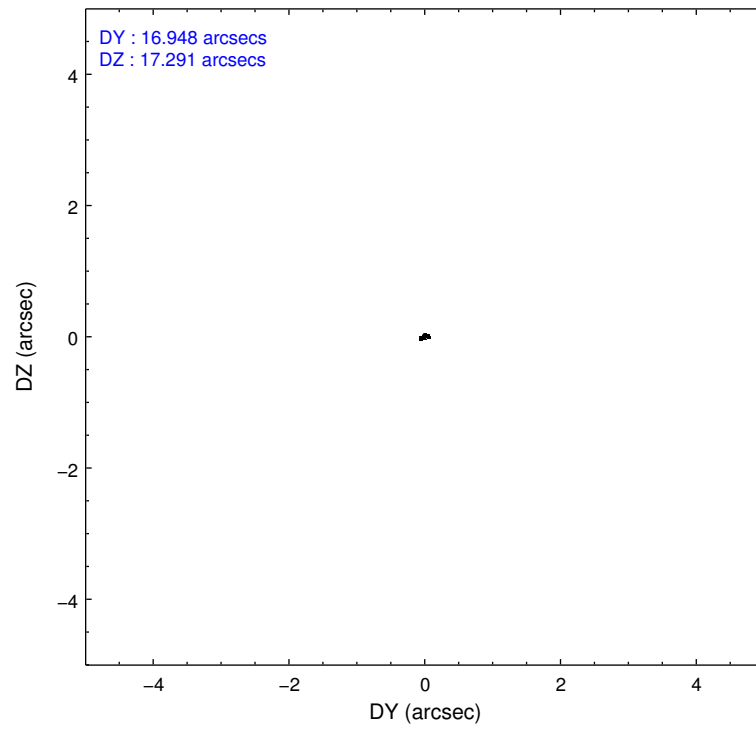
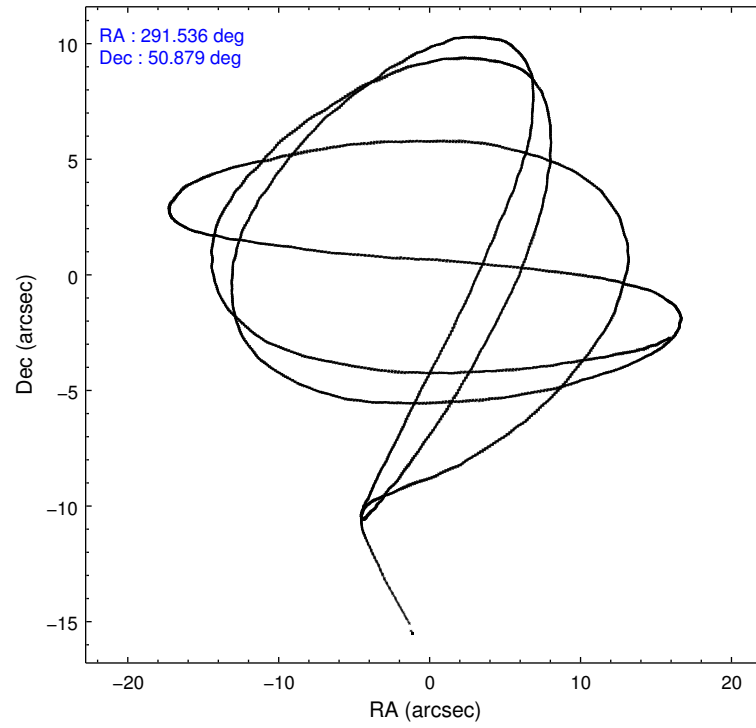
2.1.4 Events

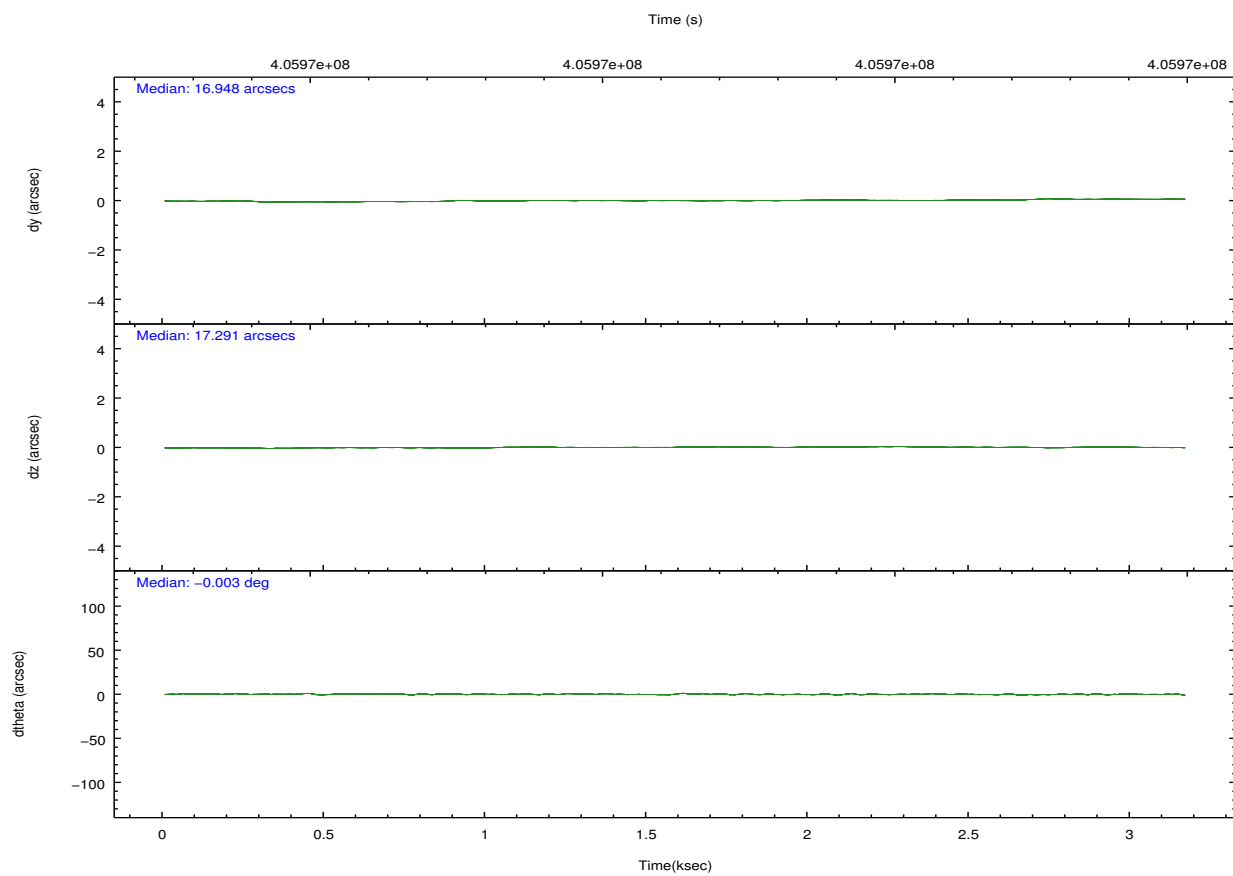
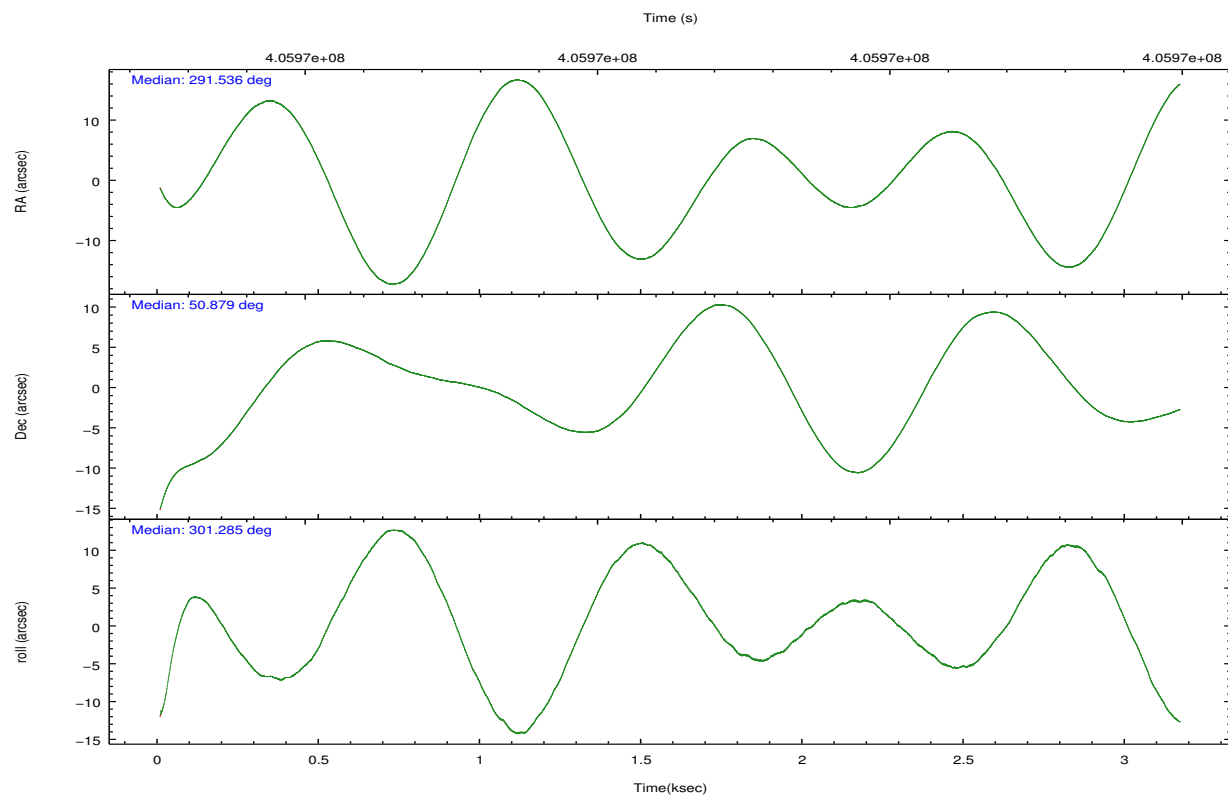
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	19758	20260	21393	20510	21217	26615	grade 0 events	805	900	1709	707	906	1156
rejected events	17375	17684	18048	18495	18745	14535		4%	4%	7%	3%	4%	4%
rejected %	87%	87%	84%	90%	88%	54%	grade 1 events	12	8	14	13	10	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	610	597	652	461	522	2494
								3%	2%	3%	2%	2%	9%
							grade 3 events	250	275	243	208	239	1085
								1%	1%	1%	1%	1%	4%
							grade 4 events	242	274	271	239	274	1052
								1%	1%	1%	1%	1%	3%
							grade 5 events	945	947	833	1008	986	2712
								4%	4%	3%	4%	4%	10%
							grade 6 events	479	530	472	403	535	6310
								2%	2%	2%	1%	2%	23%
							grade 7 events	16415	16729	17199	17471	17745	11775
								83%	82%	80%	85%	83%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	291.498135	291.5364758758905	Subarray requested	NONE	NONE
[deg] Pointing Dec	50.891704	50.87879189730716	Alternating exposures requested	N	N
[deg] Pointing Roll	301.167485	301.2943163249581	[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)	405965837.184000	405964733.71525			
Observation start date	2010-11-12T16:16:11	2010-11-12T15:58:53			
[s] Observation end time (MET)	405968837.184000	405969526.6155			
Observation end date	2010-11-12T17:06:11	2010-11-12T17:18:46			
Read mode	TIMED	TIMED			

2.3 Aspect



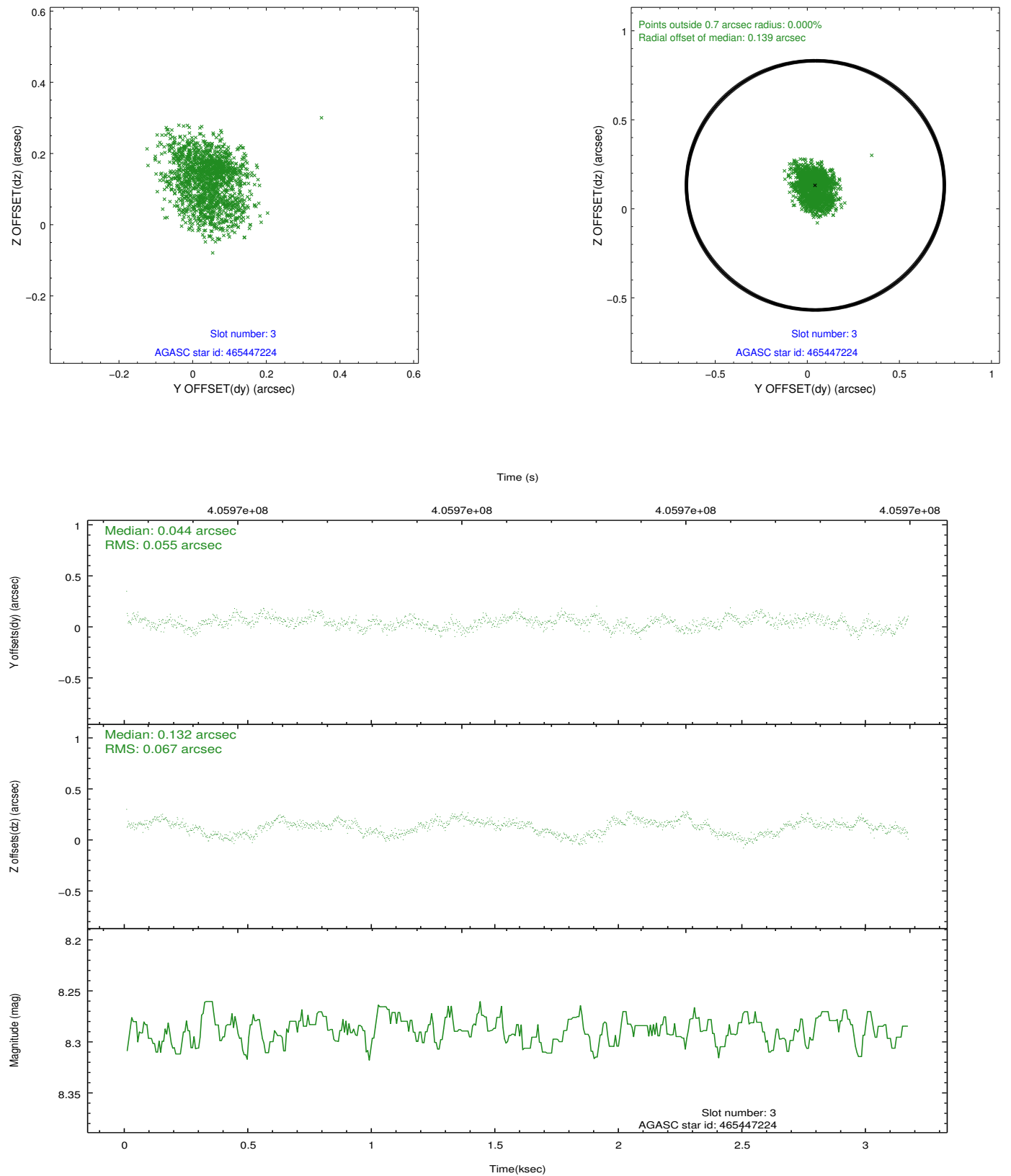


Slot Statistics

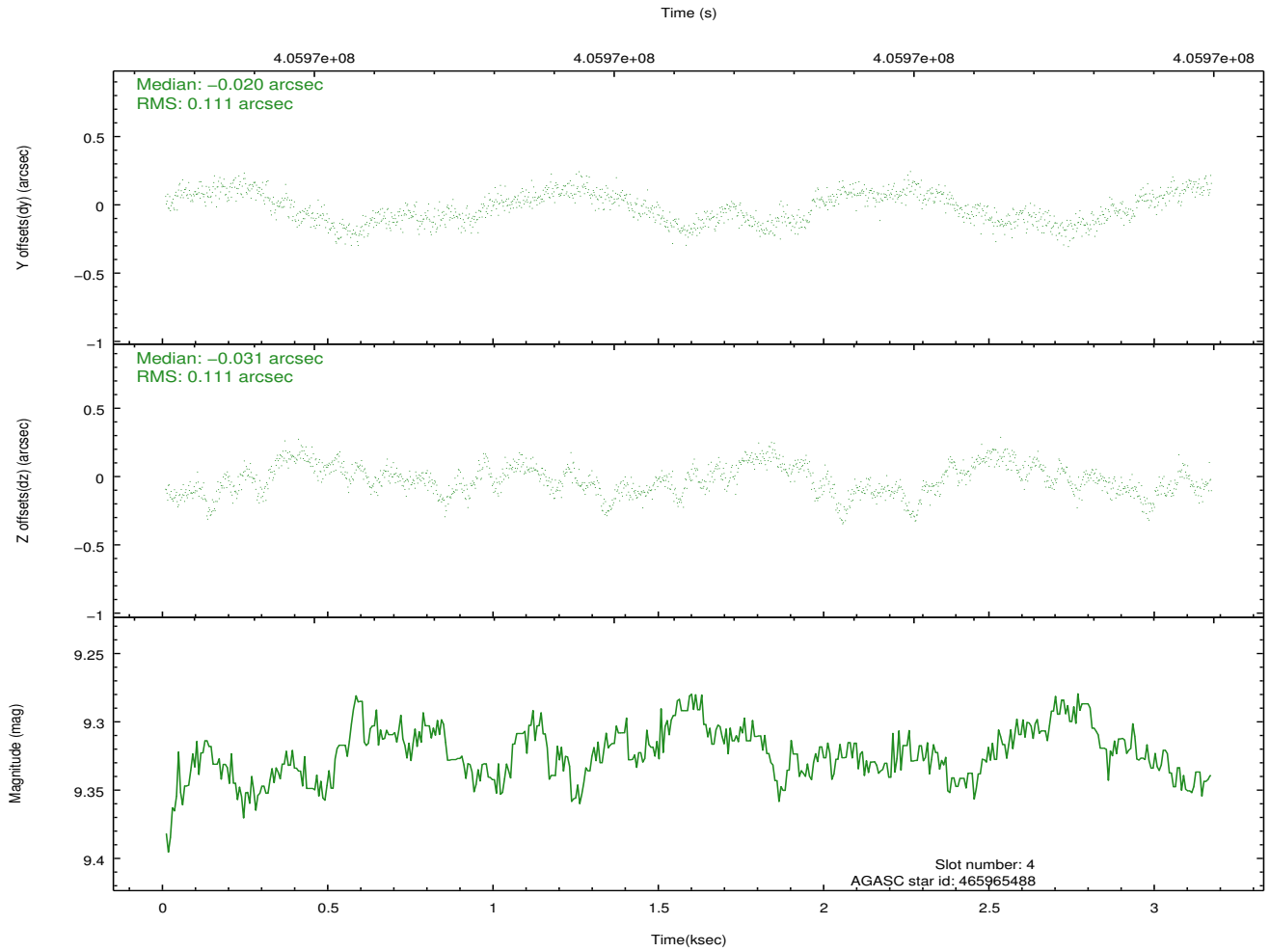
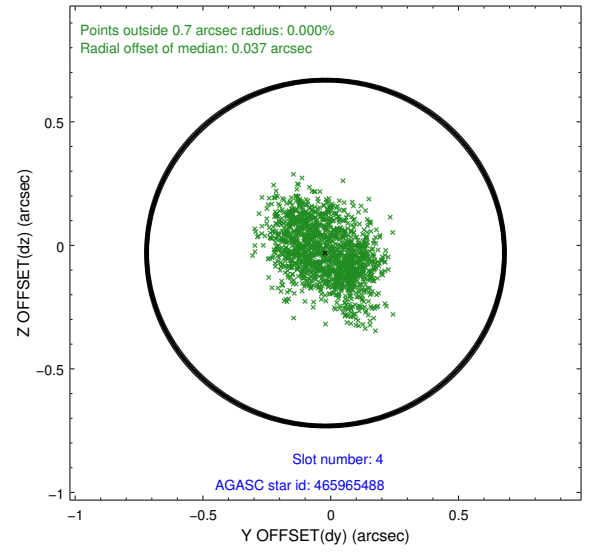
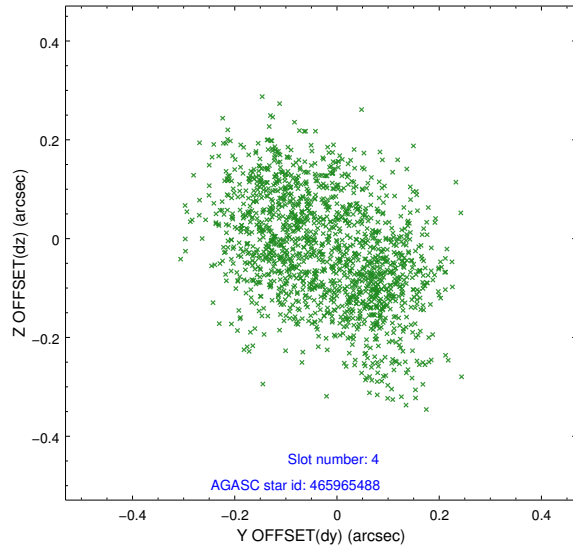
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.83	772	-0.056	-0.030	0.006	0.010	0.000000	0.000000	-770.06	-1738.74
1	FID	ACIS-S-4	6.91	772	0.170	0.035	0.004	0.008	0.000000	0.000000	2142.55	167.65
2	FID	ACIS-S-5	6.95	772	-0.144	0.003	0.006	0.010	0.000000	0.000000	-1820.38	163.67
3	GUIDE	465447224	8.29	1543	0.044	0.132	0.094	0.147	291.830226	50.402668	1899.51	-257.86
4	GUIDE	465965488	9.32	1543	-0.020	-0.031	0.168	0.259	291.807349	50.849037	495.11	522.98
5	GUIDE	465965936	8.28	1544	0.109	-0.130	0.077	0.122	291.592051	50.987315	-184.63	361.33
6	GUIDE	465456704	7.05	1543	-0.125	0.084	0.097	0.152	290.849115	50.271291	1132.82	-2429.74
7	GUIDE	465961328	8.98	1540	-0.008	-0.053	0.108	0.165	292.477941	51.005020	787.44	2116.53

2.4 Star Slots

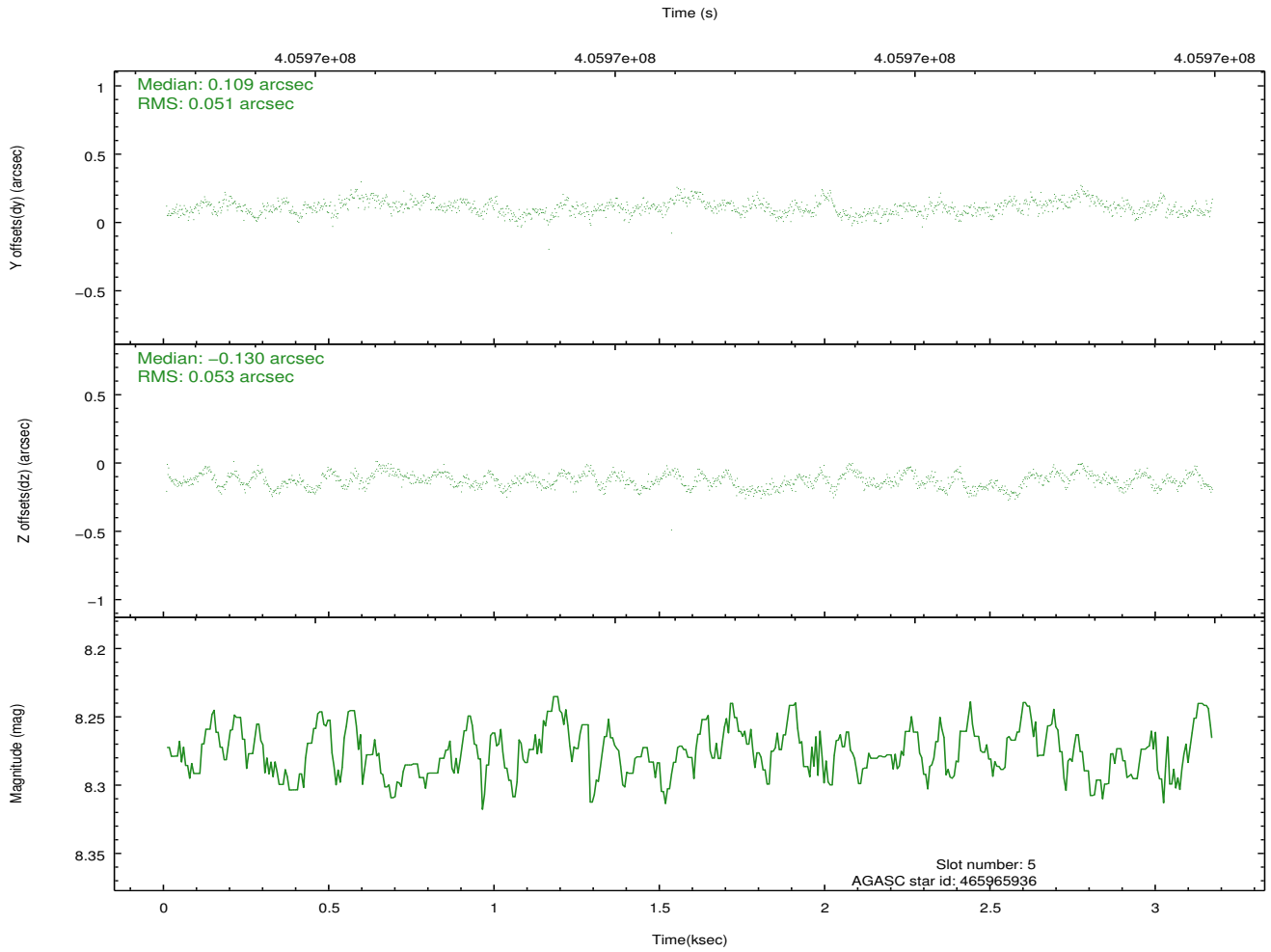
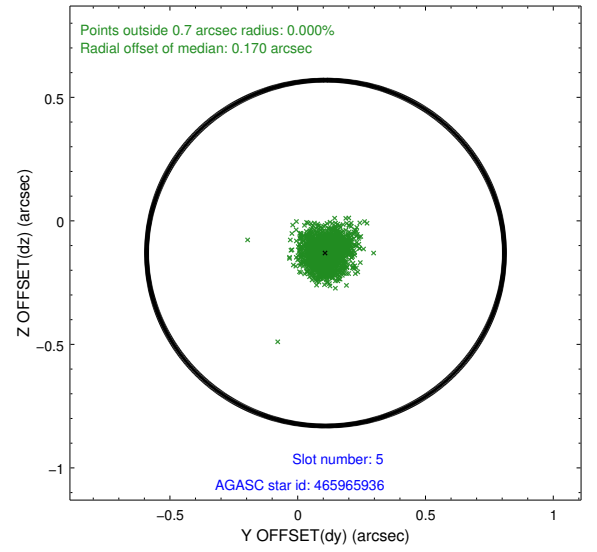
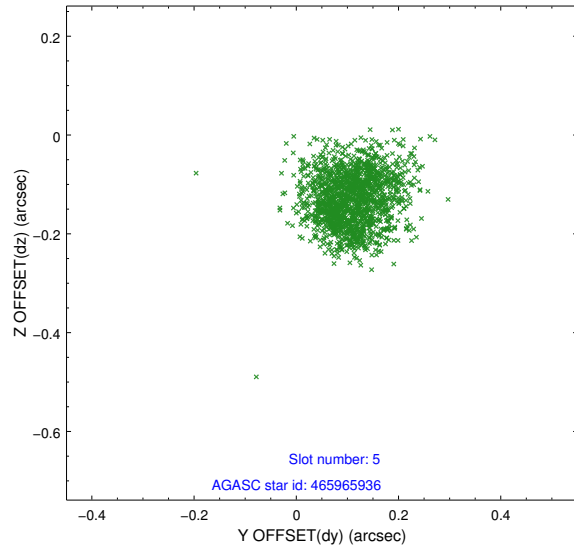
2.4.1 Slot 3



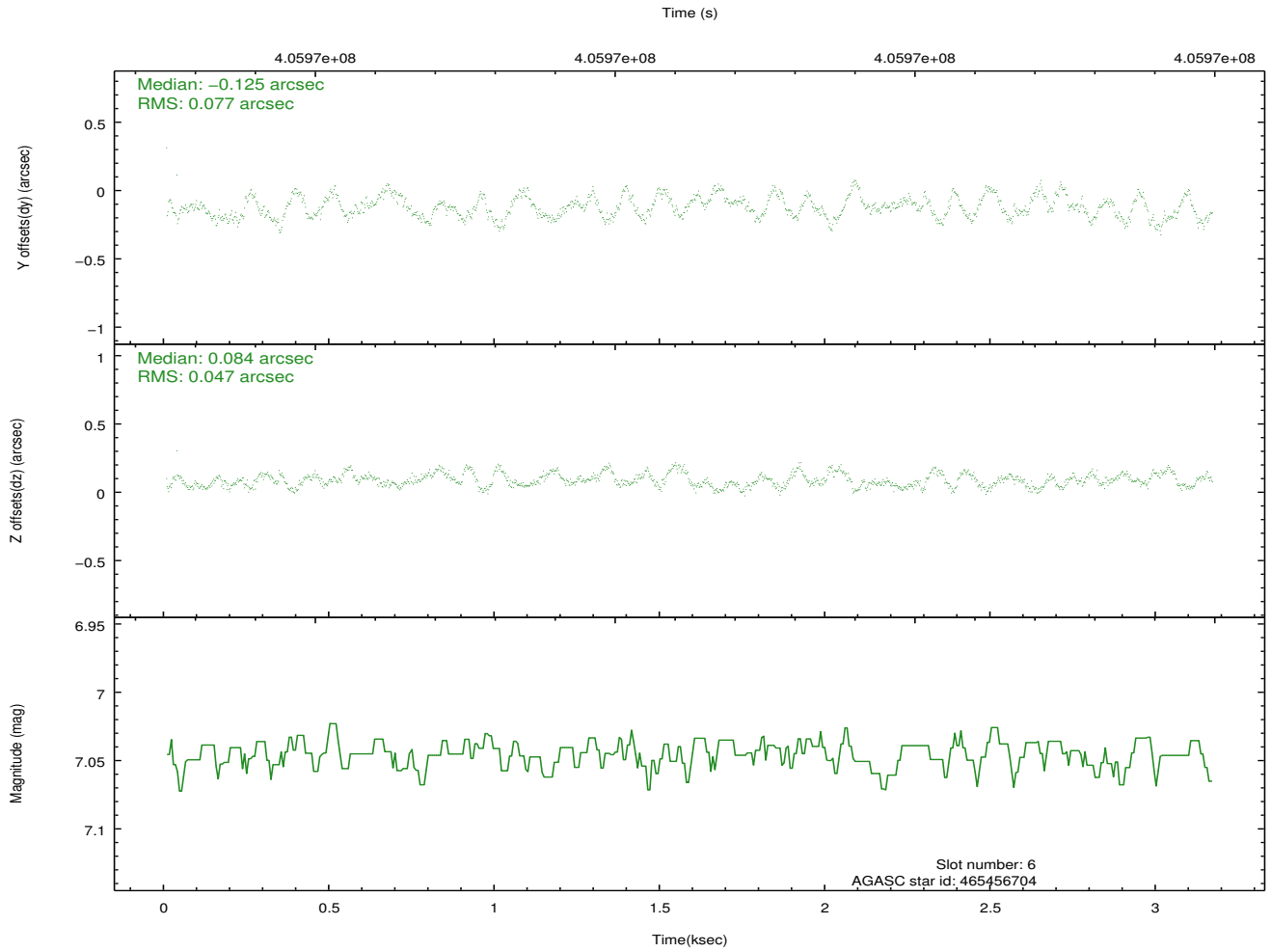
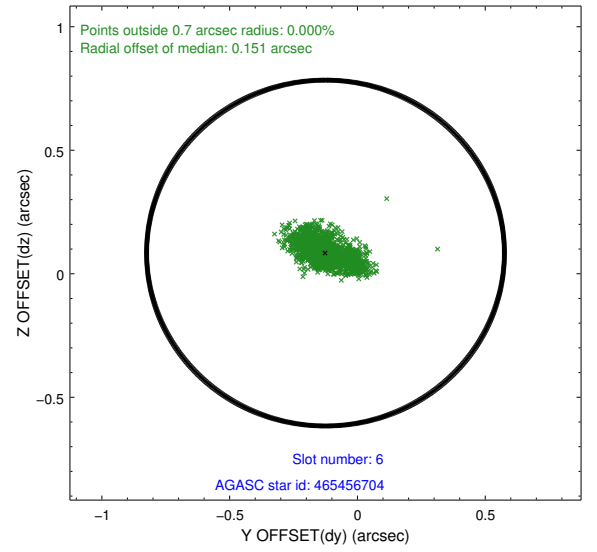
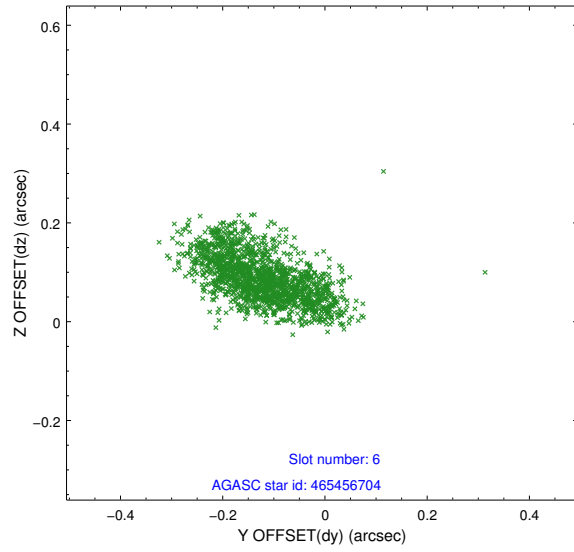
2.4.2 Slot 4



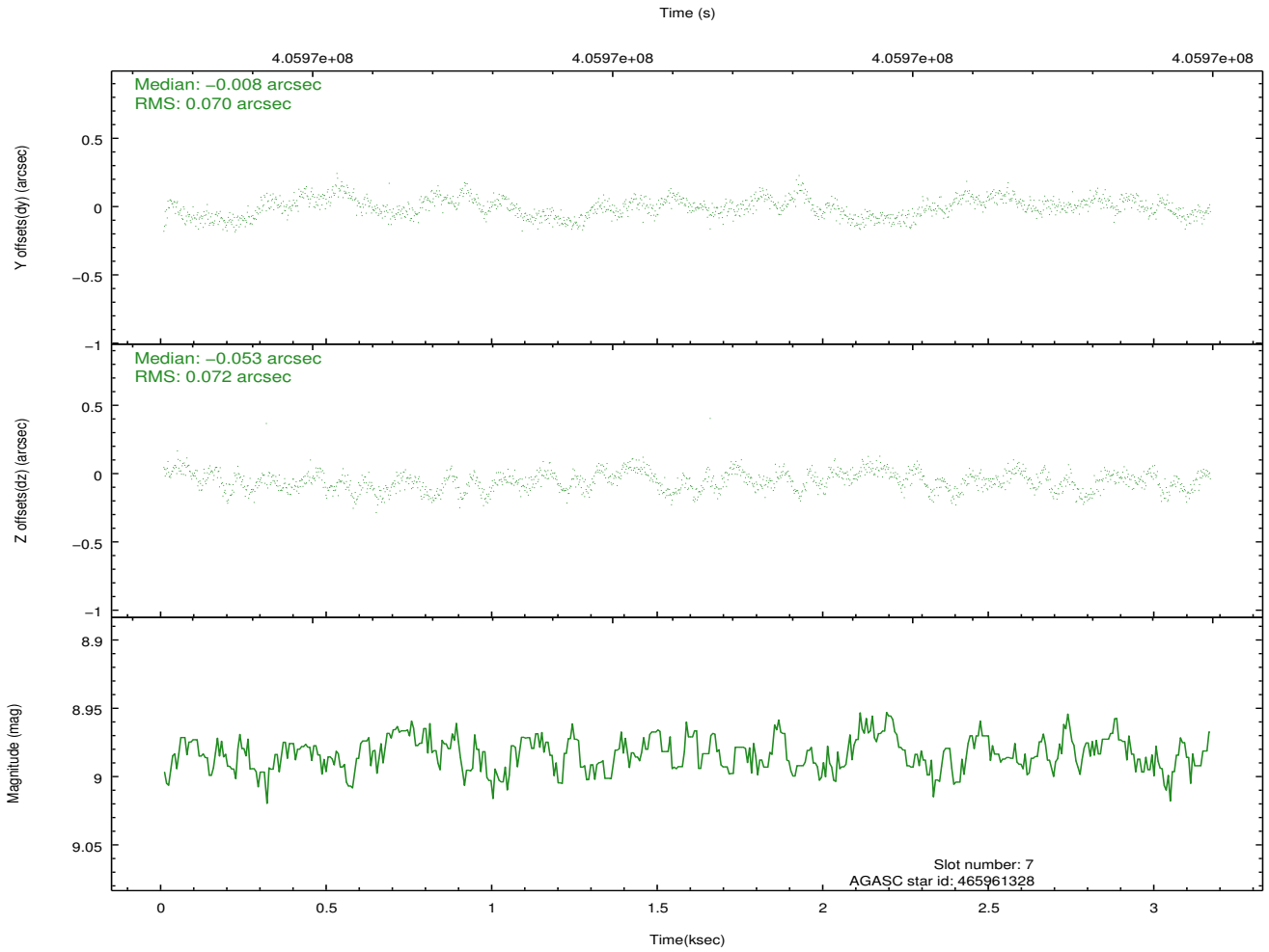
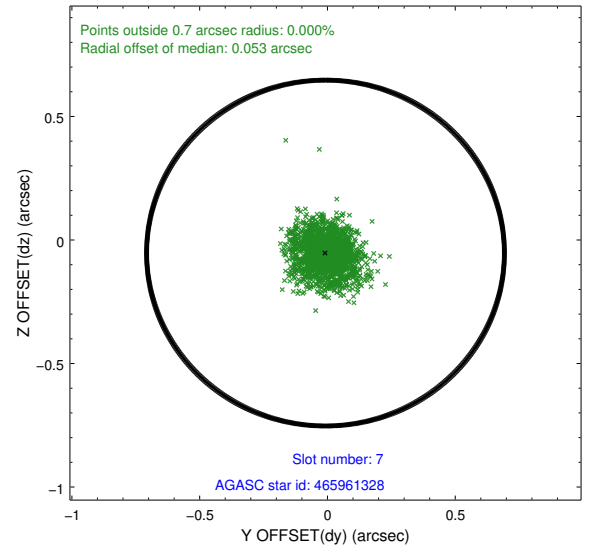
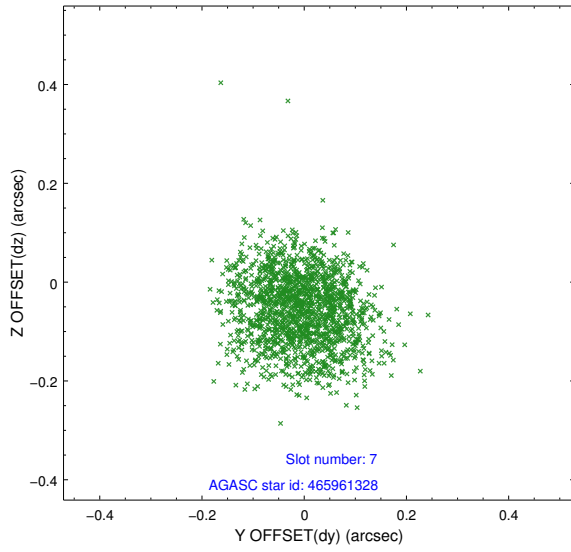
2.4.3 Slot 5



2.4.4 Slot 6

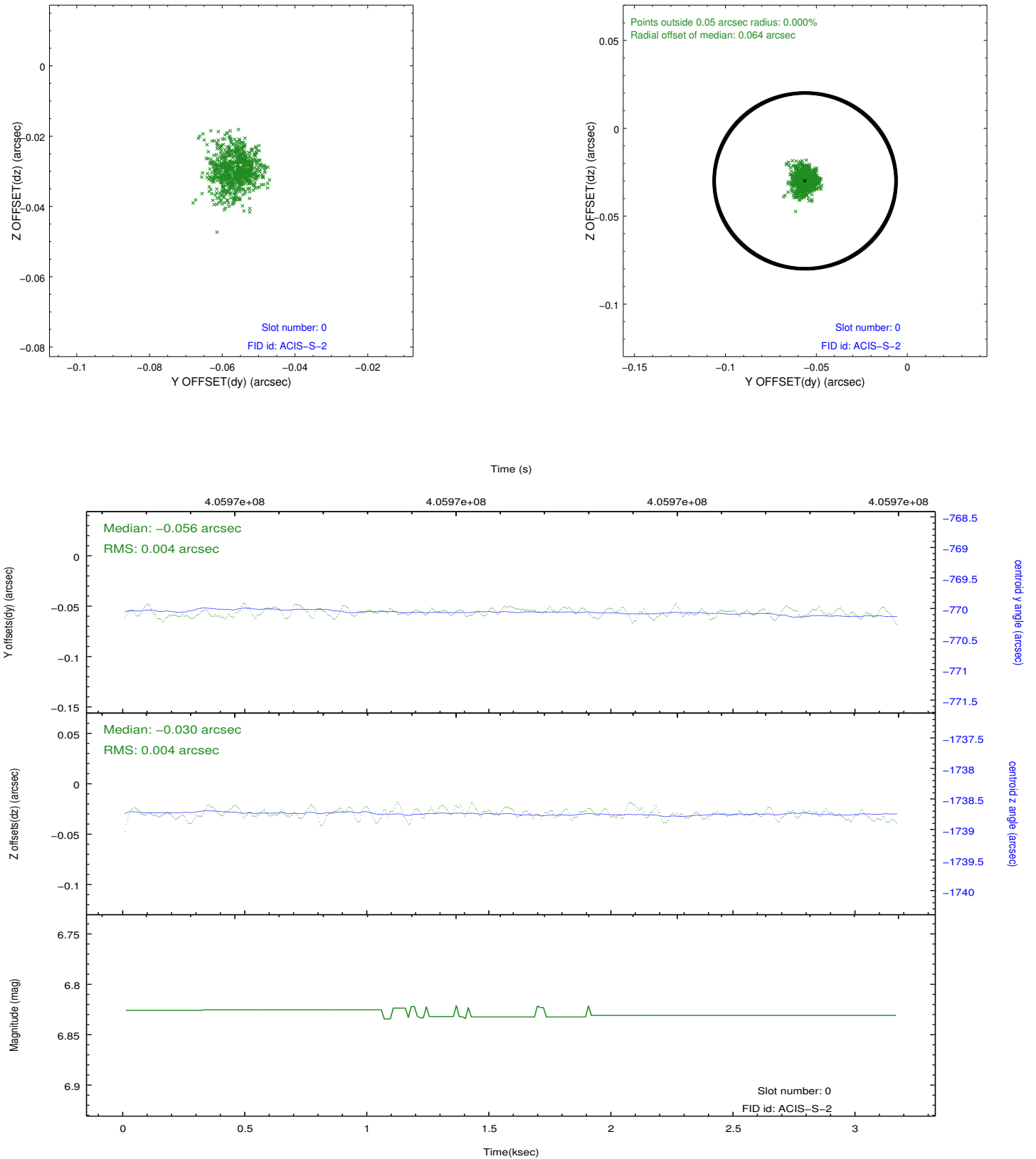


2.4.5 Slot 7

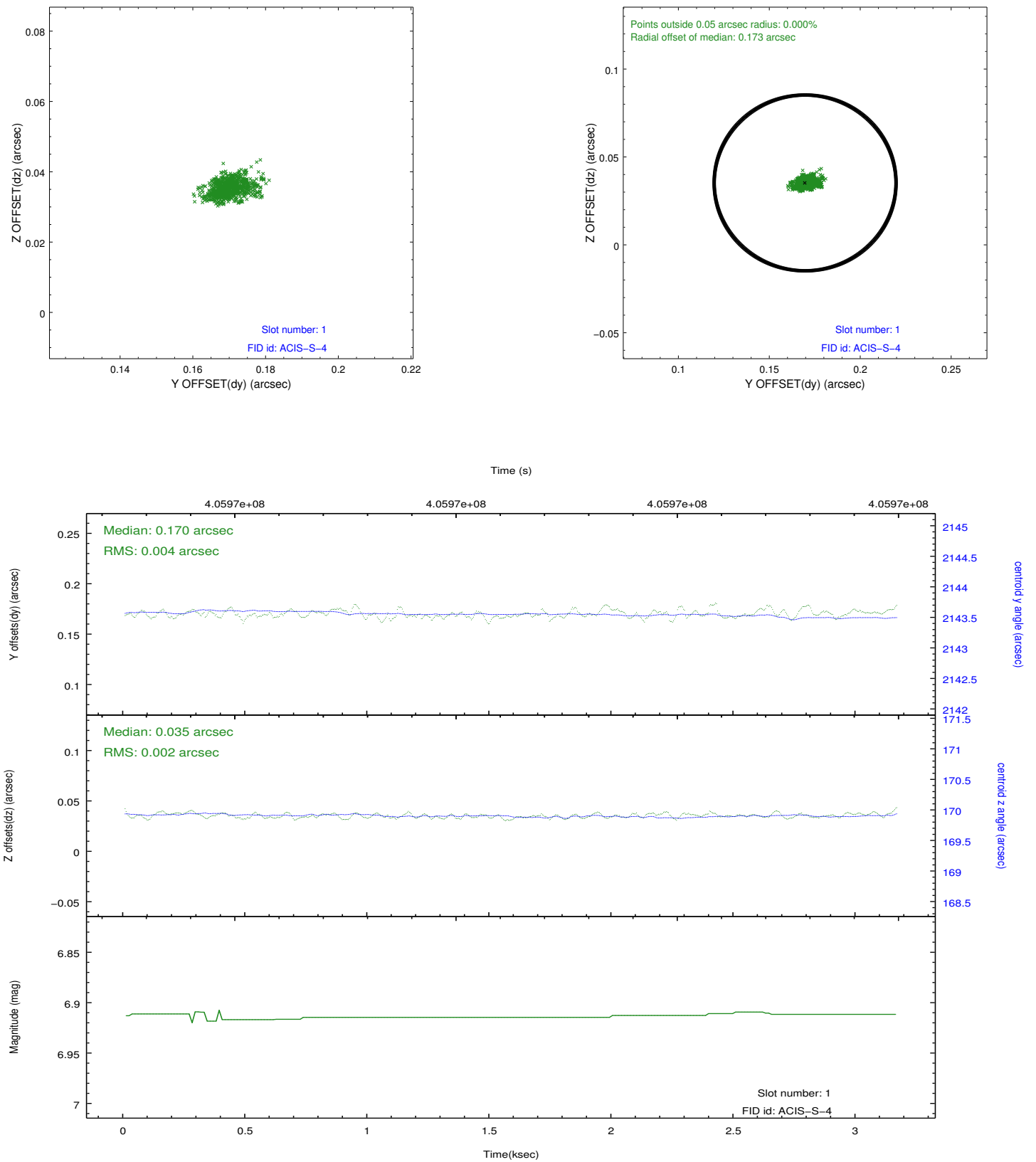


2.5 FID Slots

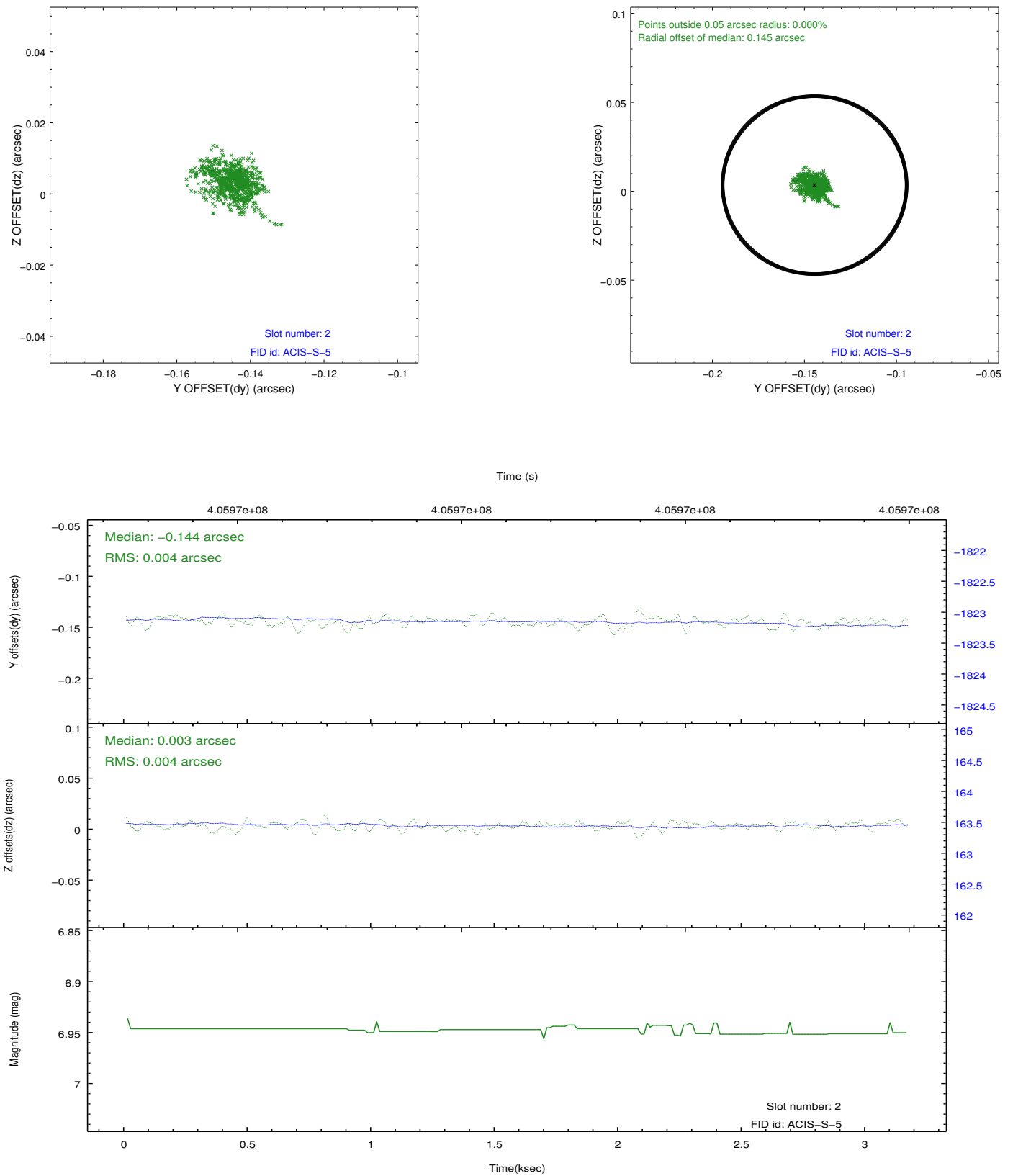
2.5.1 Slot 0



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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9652204684019

A.2 Comments