

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18854 - L2 Version 1
Chandra X-Ray Center

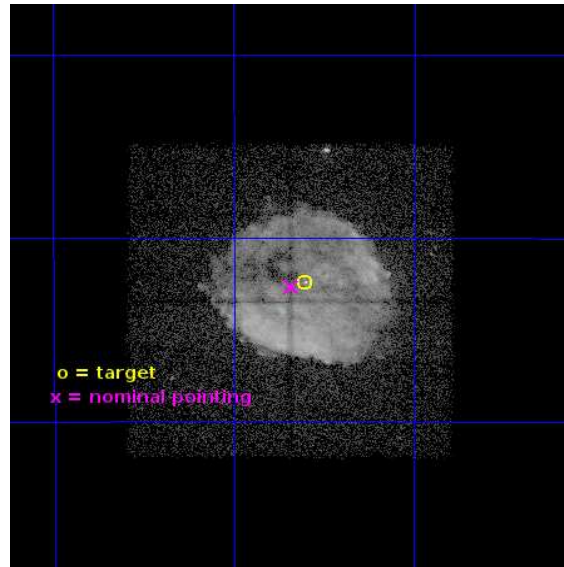
L2 Processing Date : May 30 2016

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1 Front

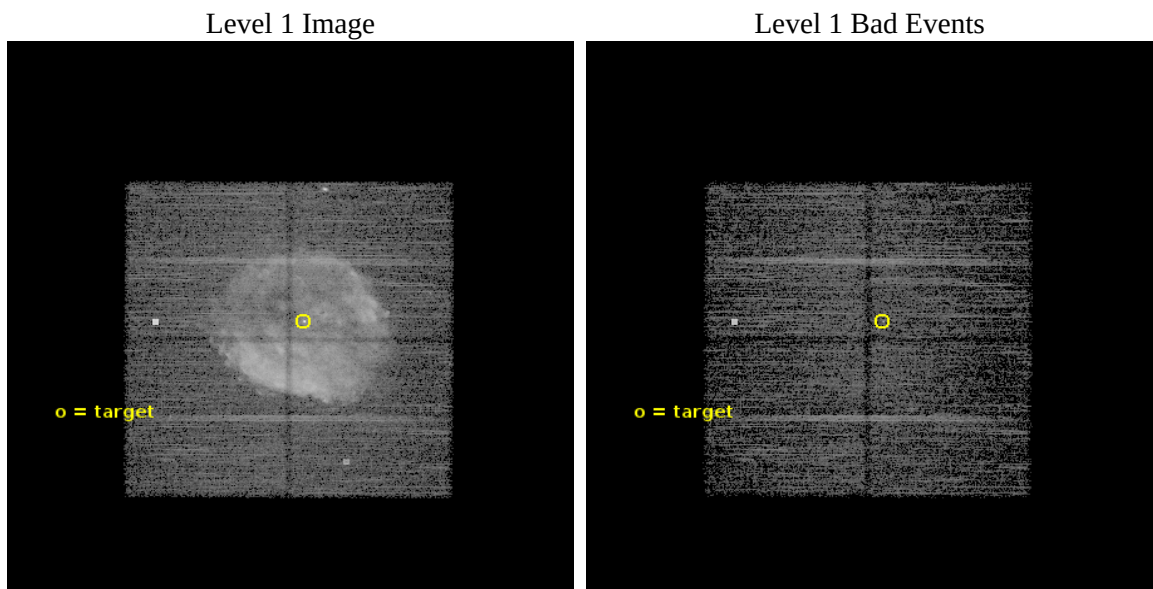
seq_num	502658	Sequence number
obs_id	18854	Observation id
title	Spinup of 1E161348-5055 n RCW 103 monitoring	Proposal title
observer	Gordon Garmire	Principal investigator
object	1E161348-5055	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.42023686256	Nominal RA [deg]
dec_nom	-51.044316226753	Nominal Dec [deg]
roll_nom	0.22342056497505	Nominal Roll [deg]
revision	1	Processing version of data
ontime	13131.600101113	Sum of GTIs [s]
livetime	12960.026078449	Livetime [s]
ontime0	13128.459010839	Sum of GTIs [s]
ontime1	13131.600101113	Sum of GTIs [s]
ontime2	13128.459031105	Sum of GTIs [s]
ontime3	13131.600101113	Sum of GTIs [s]
l2events	261022	Number of level 2 events



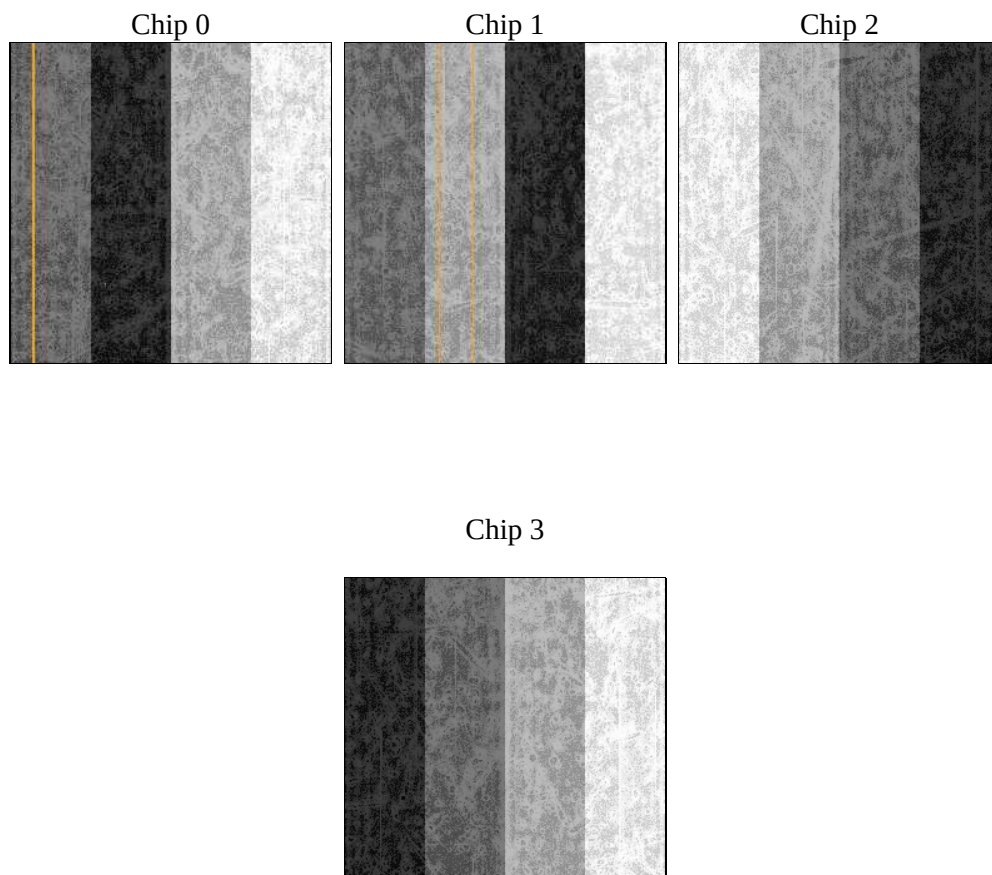
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	13131.600101113	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	13128.459010839	Sum of GTIs [s]
date	2016-05-30T17:57:22	Date and time of file creation	ontime1	13131.600101113	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	13128.459031105	Sum of GTIs [s]
			ontime3	13131.600101113	Sum of GTIs [s]
			l1events	528489	Number of level 1 events

2.1.4 Events

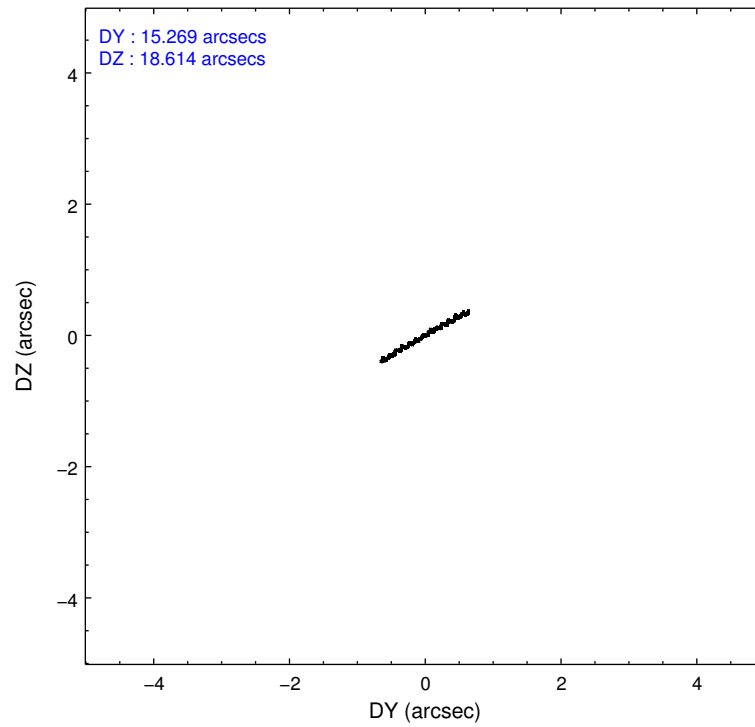
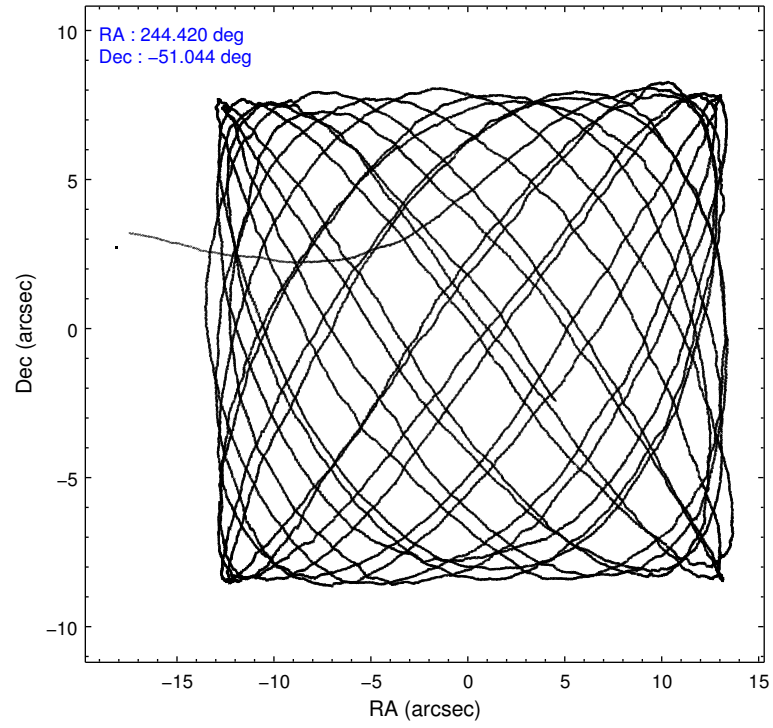
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	130821	148101	112861	136706
rejected events	57044	54657	72126	60171
rejected %	43%	36%	63%	44%

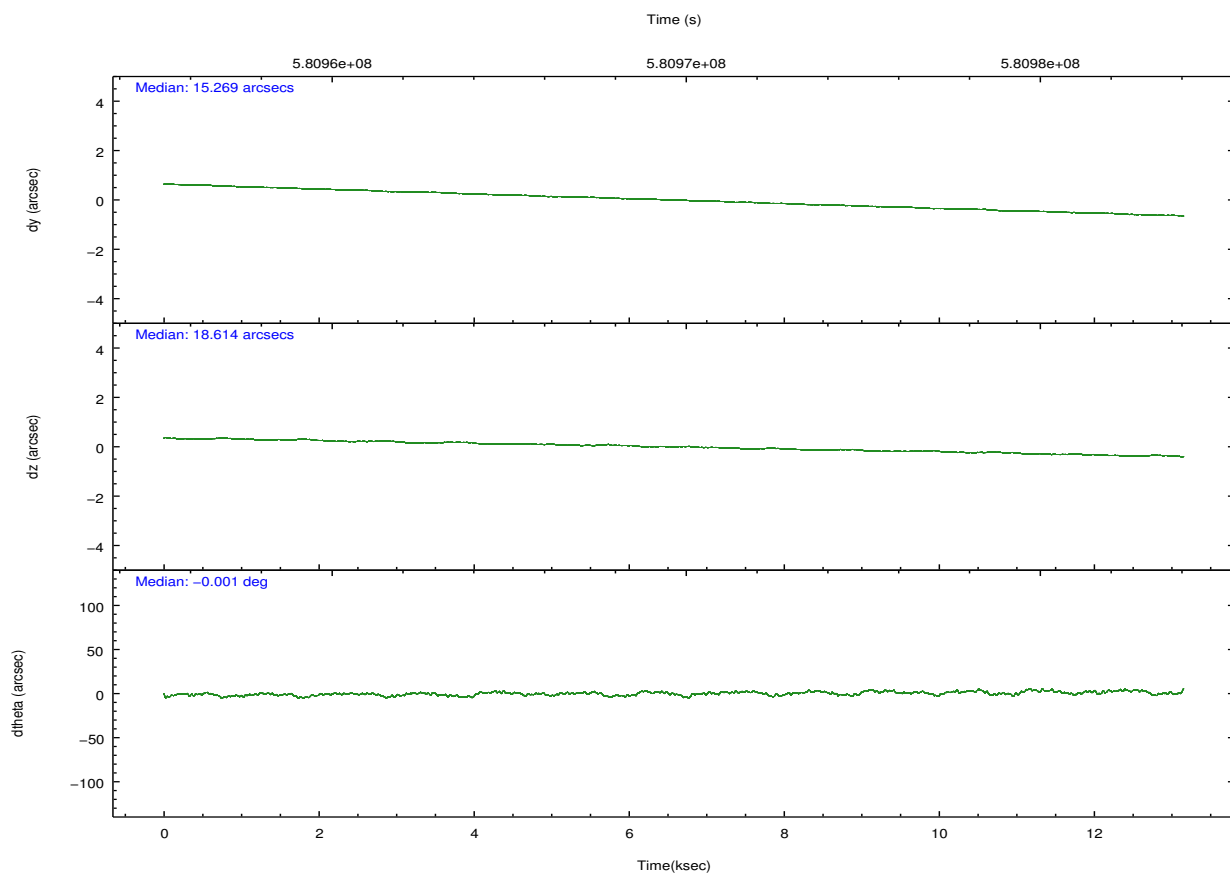
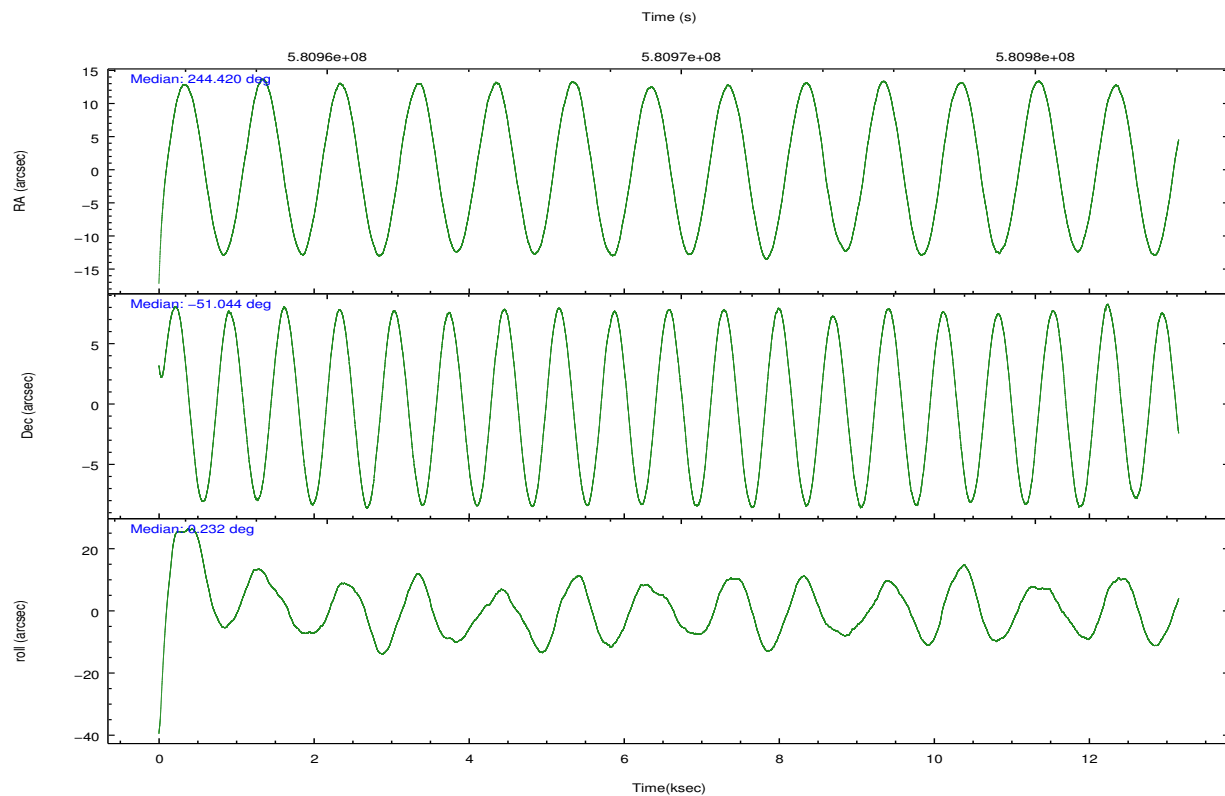
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	60913	76958	29243	63158
	46%	51%	25%	46%
grade 1 events	284	302	4220	370
	0%	0%	3%	0%
grade 2 events	7428	9540	7857	7309
	5%	6%	6%	5%
grade 3 events	1964	2412	1206	2166
	1%	1%	1%	1%
grade 4 events	1918	2426	1166	2085
	1%	1%	1%	1%
grade 5 events	1732	1920	1487	2040
	1%	1%	1%	1%
grade 6 events	1572	2131	1265	1835
	1%	1%	1%	1%
grade 7 events	55010	52412	66417	57743
	42%	35%	58%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	244.382383	244.420236862556	Subarray requested	NONE	NONE
[deg] Pointing Dec	-51.058338	-51.04431622675322	Alternating exposures requested	N	N
[deg] Pointing Roll	359.985328	0.2234205649750549	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	580963416.184000	580962209.76484			
Observation start date	2016-05-30T02:42:28	2016-05-30T02:23:29			
[s] Observation end time (MET)	580976416.184000	580976831.90318			
Observation end date	2016-05-30T06:19:08	2016-05-30T06:27:11			
Read mode	TIMED	TIMED			

2.3 Aspect



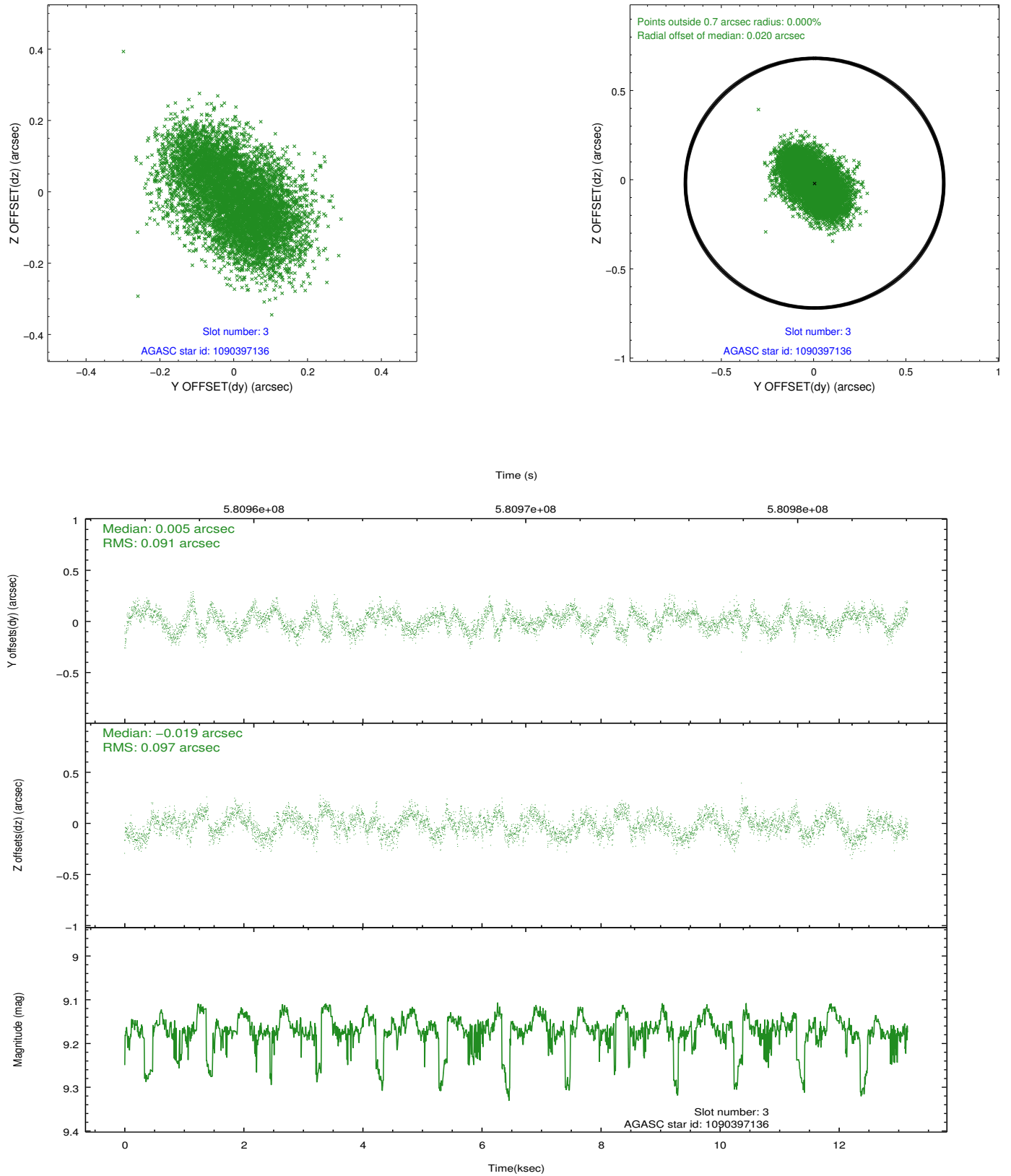


Slot Statistics

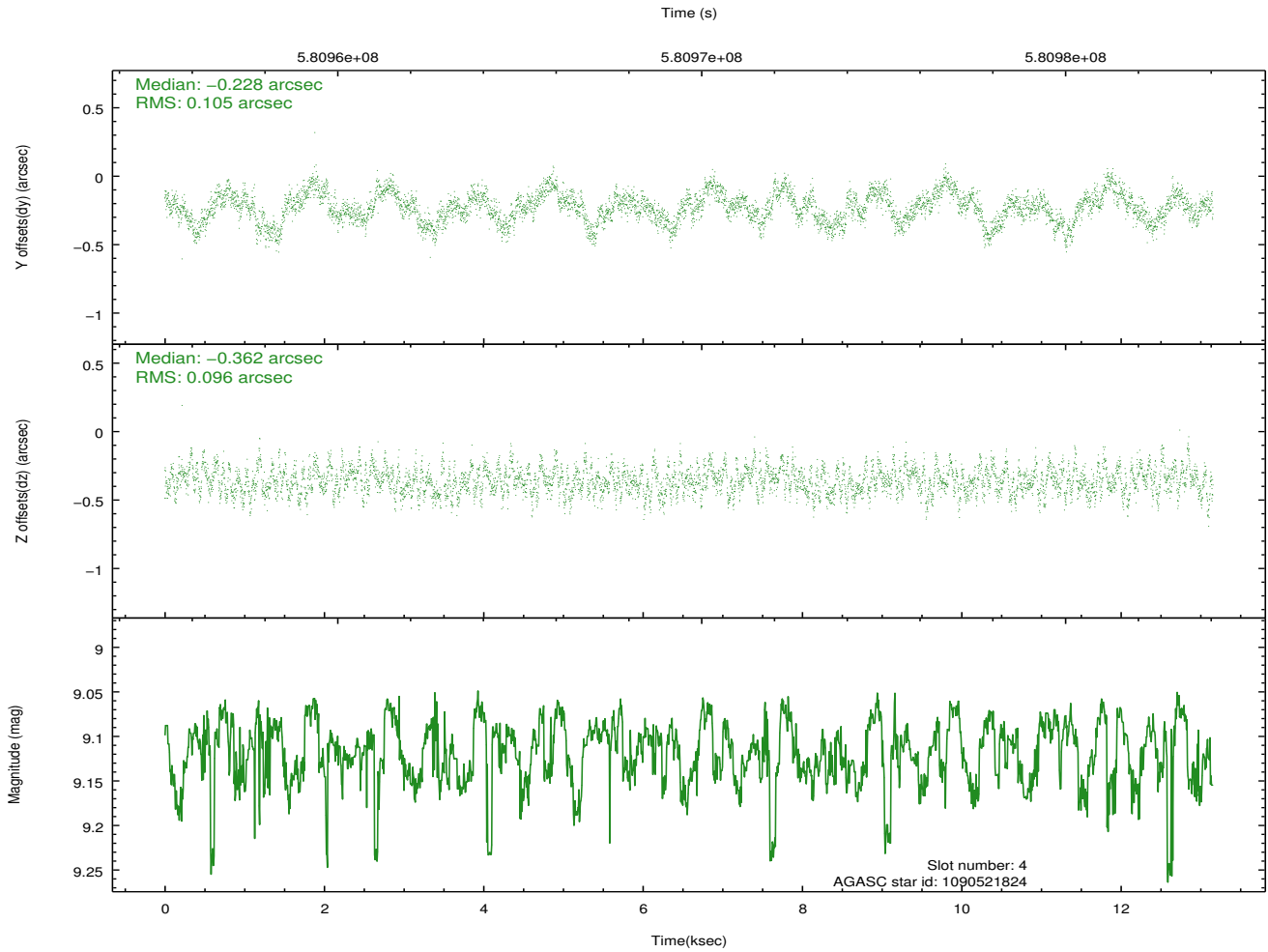
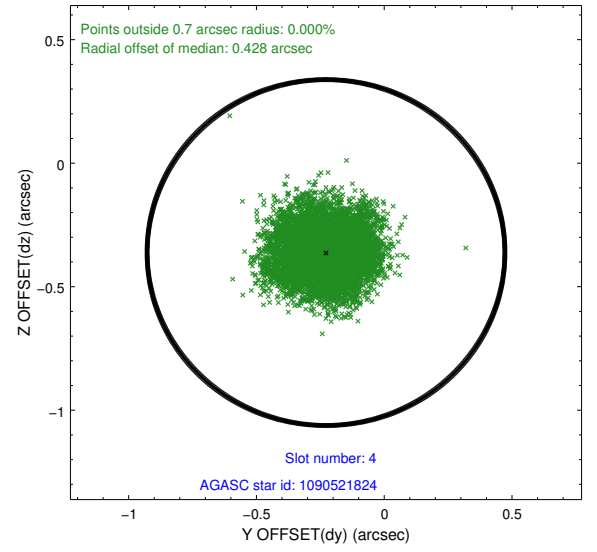
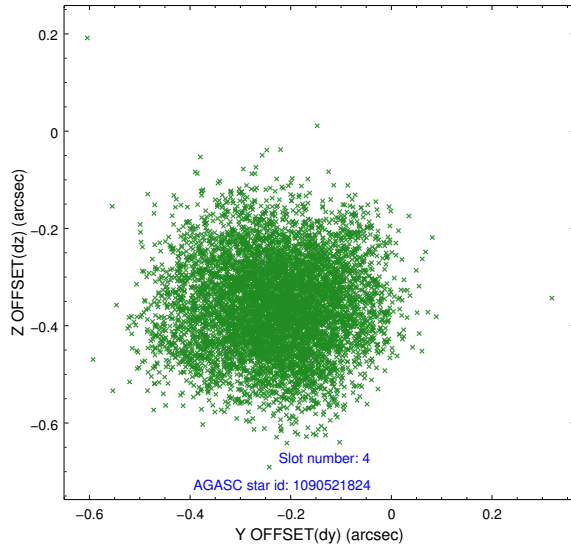
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.26	3209	-0.027	0.016	0.016	0.027	0.000000	0.000000	924.14	-842.30
1	FID		ACIS-I-2	7.15	3207	-0.315	-0.158	0.016	0.026	0.000000	0.000000	-770.03	-849.07
2	FID		ACIS-I-4	7.20	3209	0.244	0.209	0.012	0.020	0.000000	0.000000	2144.17	1057.49
3	GUIDE	used	1090397136	9.17	6411	0.005	-0.019	0.143	0.225	243.971780	-50.589354	-938.74	1685.36
4	GUIDE	used	1090521824	9.12	6413	-0.228	-0.362	0.155	0.238	244.711253	-50.470098	752.90	2115.71
5	GUIDE	used	1090921280	9.06	6413	0.195	0.128	0.112	0.185	244.365071	-50.638328	-39.45	1512.22
6	GUIDE	used	1090922592	8.63	6414	0.178	0.101	0.099	0.162	243.541382	-50.784876	-1913.77	966.21
7	GUIDE	used	1091059112	9.00	6345	-0.172	0.154	0.171	0.269	245.180420	-50.736664	1817.26	1148.35

2.4 Star Slots

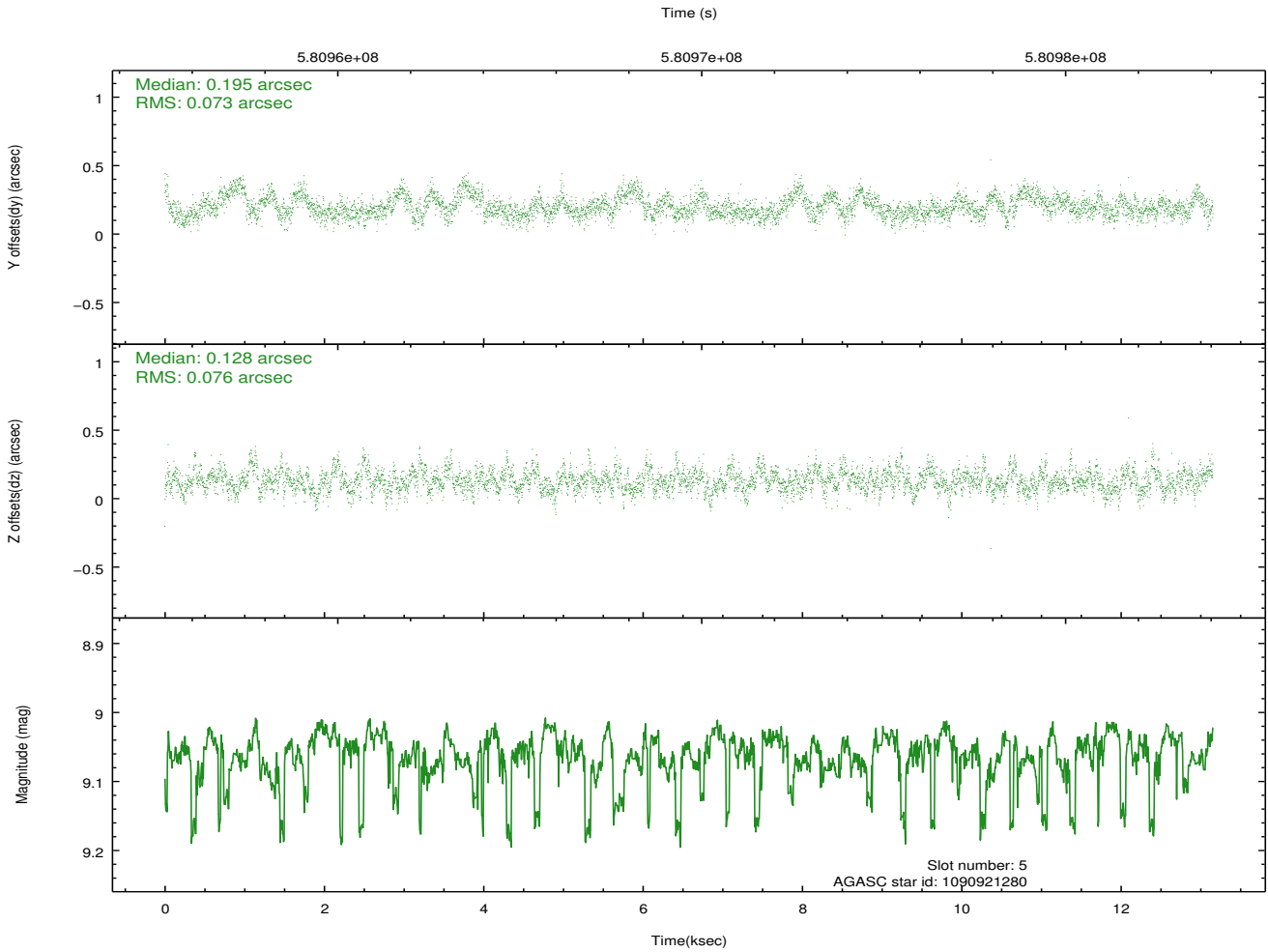
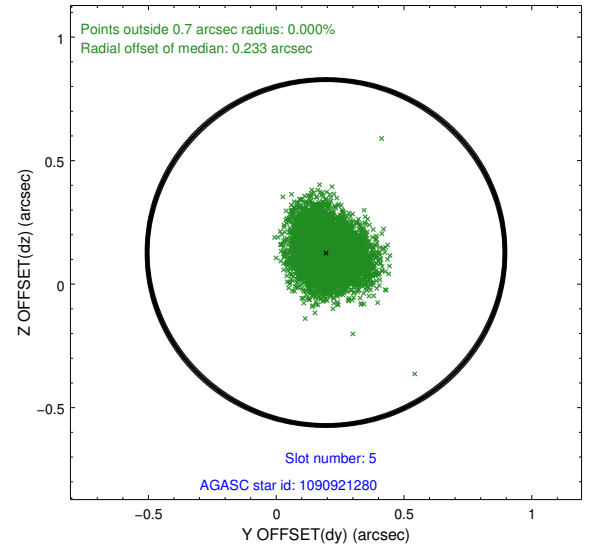
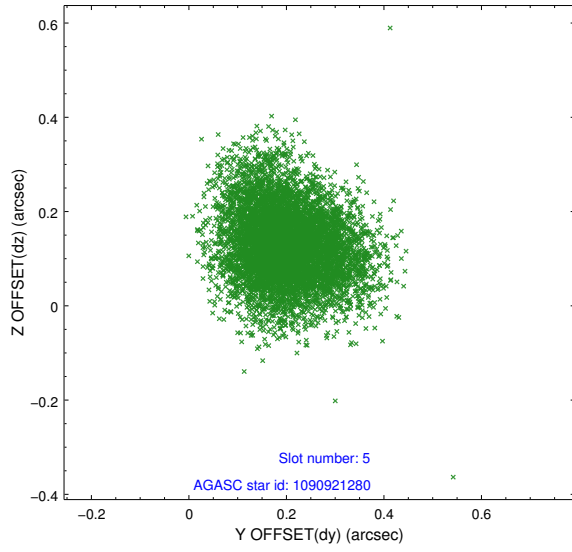
2.4.1 Slot 3



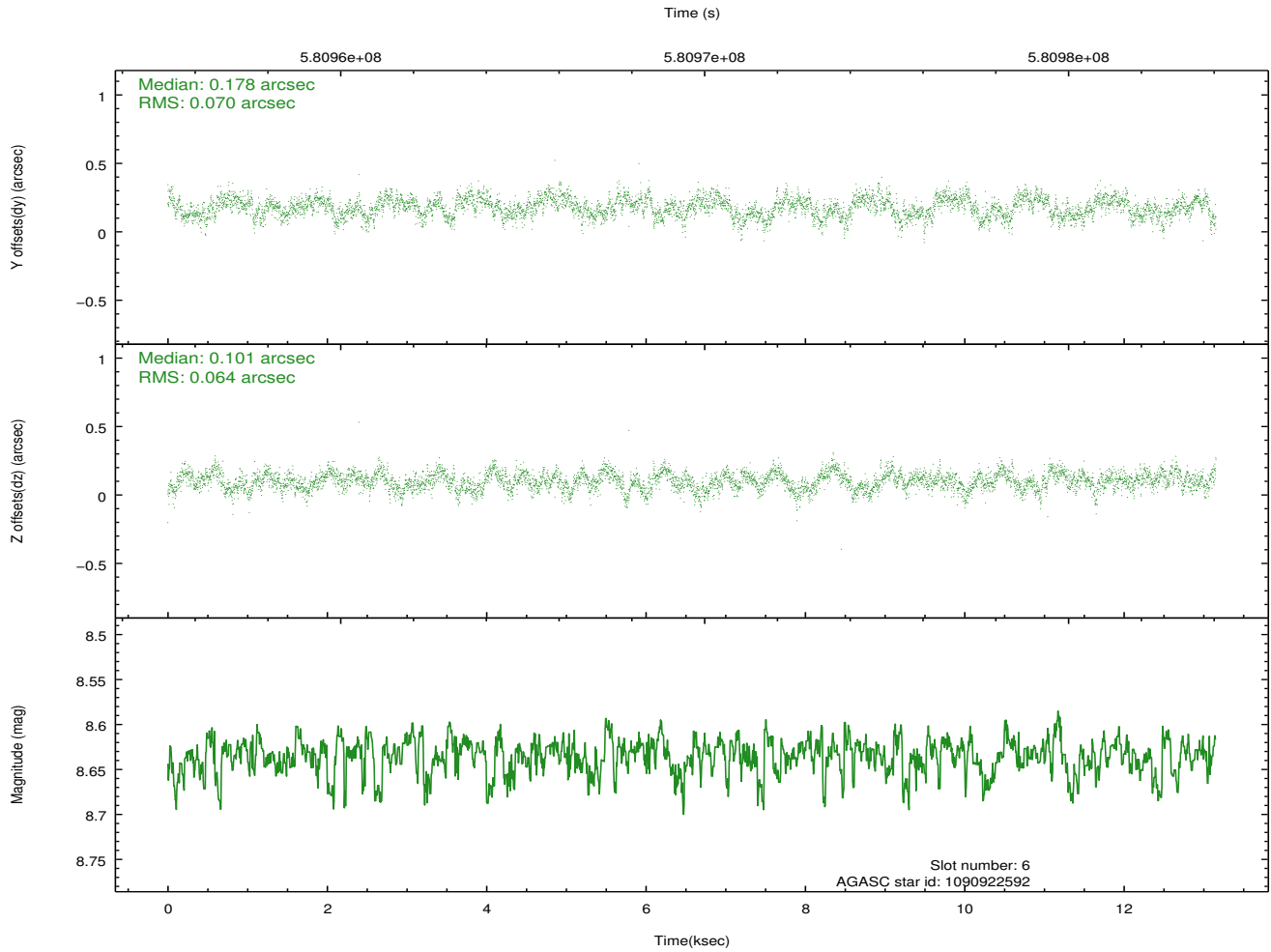
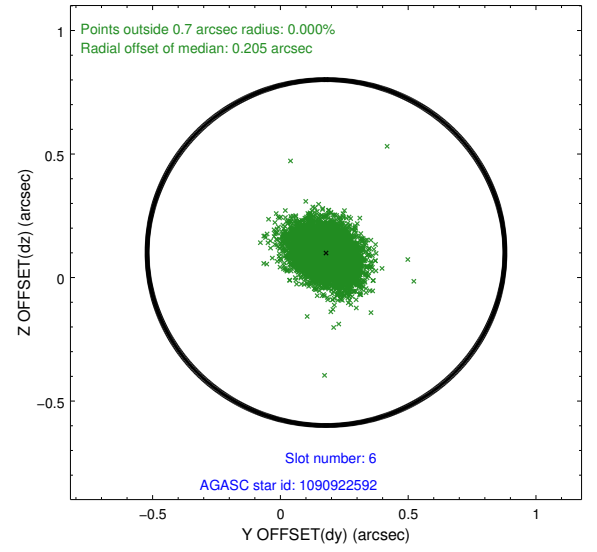
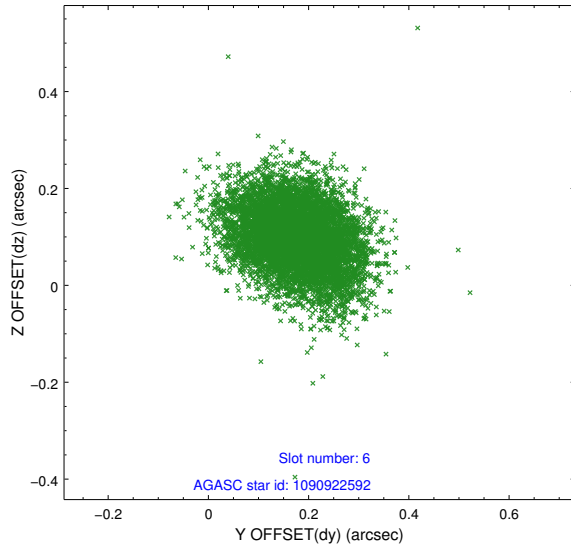
2.4.2 Slot 4



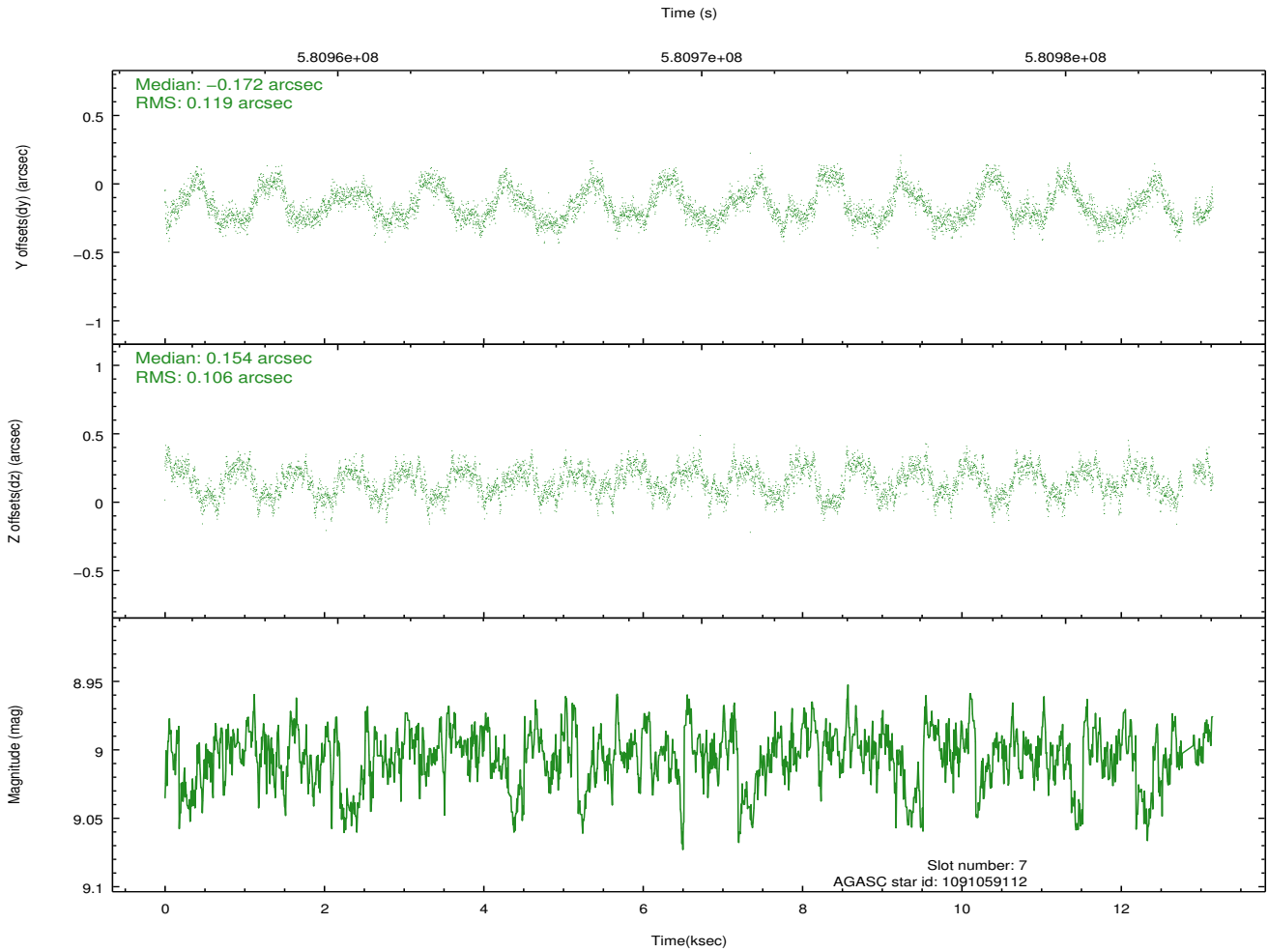
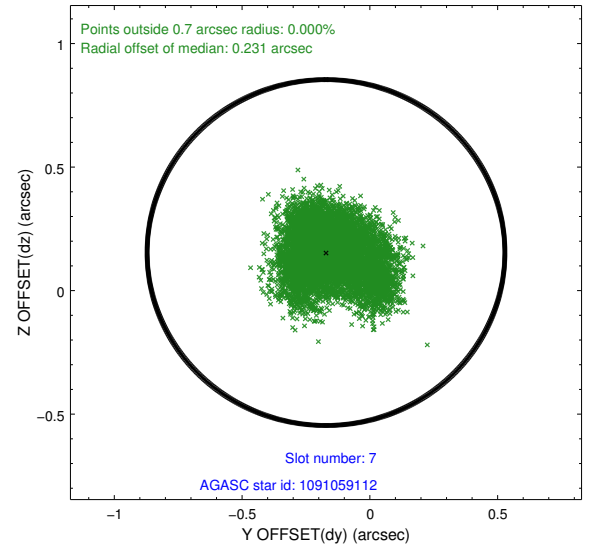
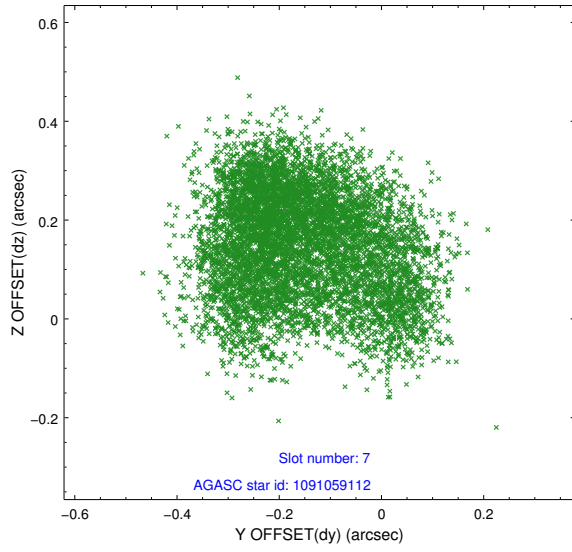
2.4.3 Slot 5



2.4.4 Slot 6

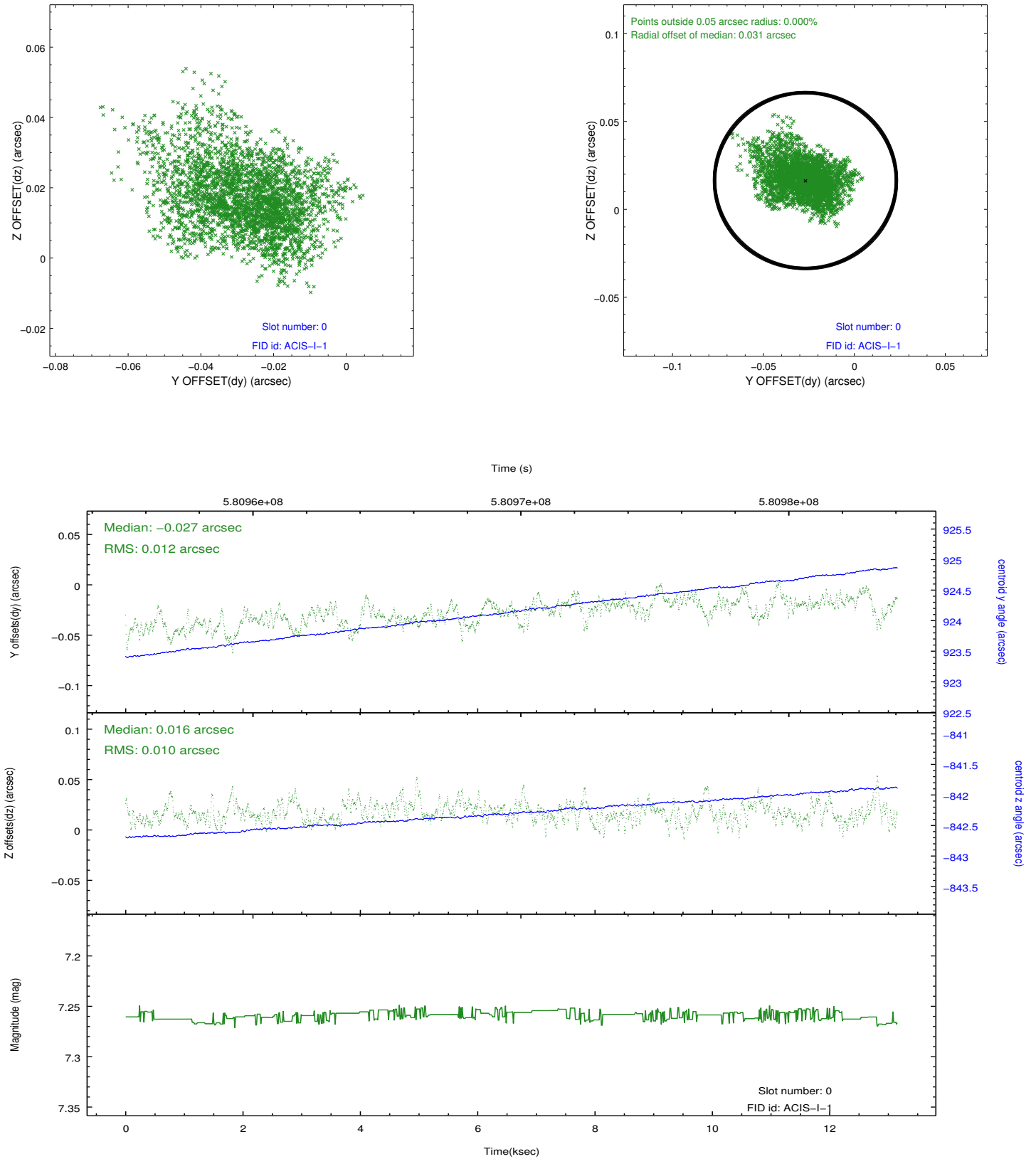


2.4.5 Slot 7

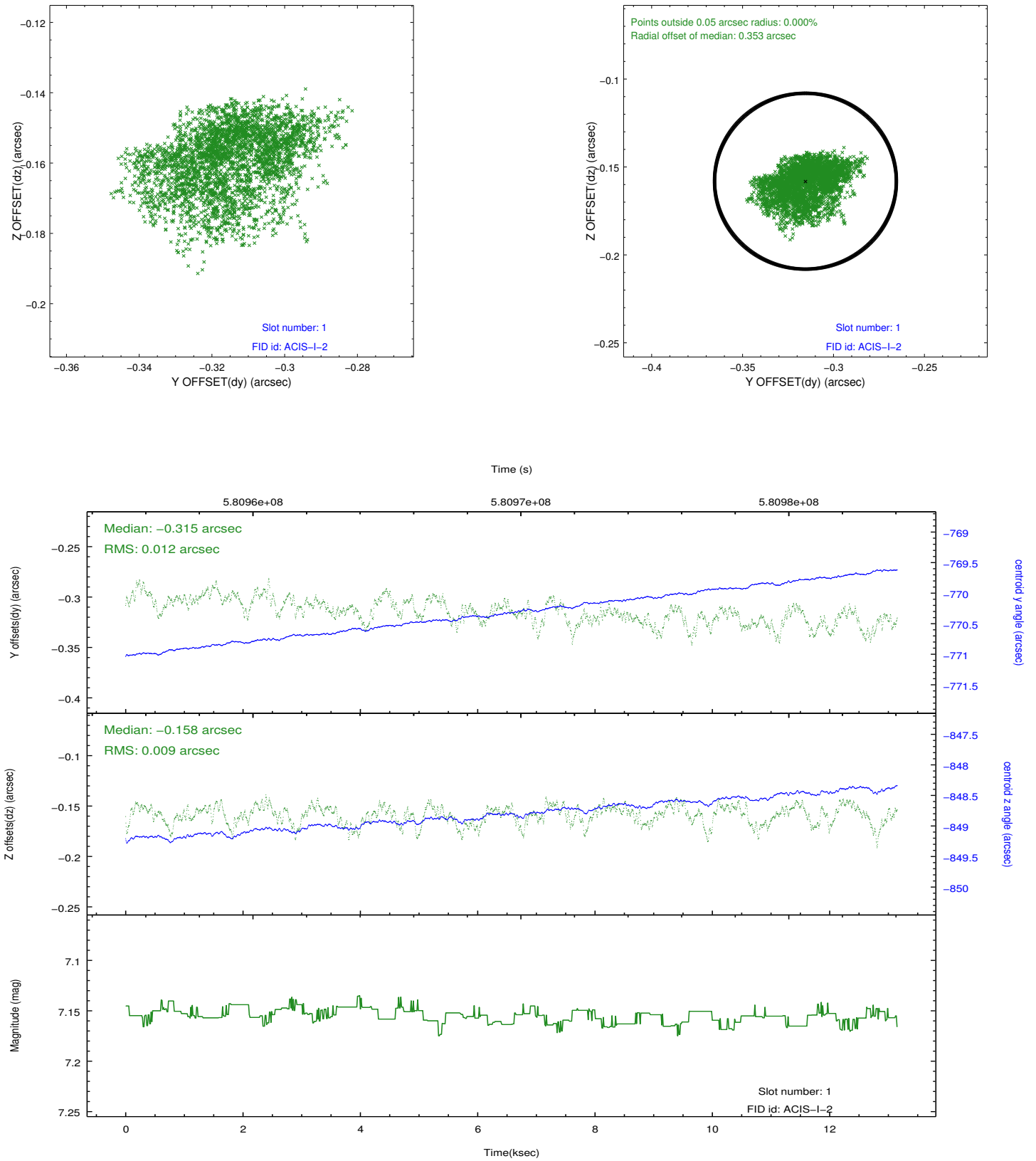


2.5 FID Slots

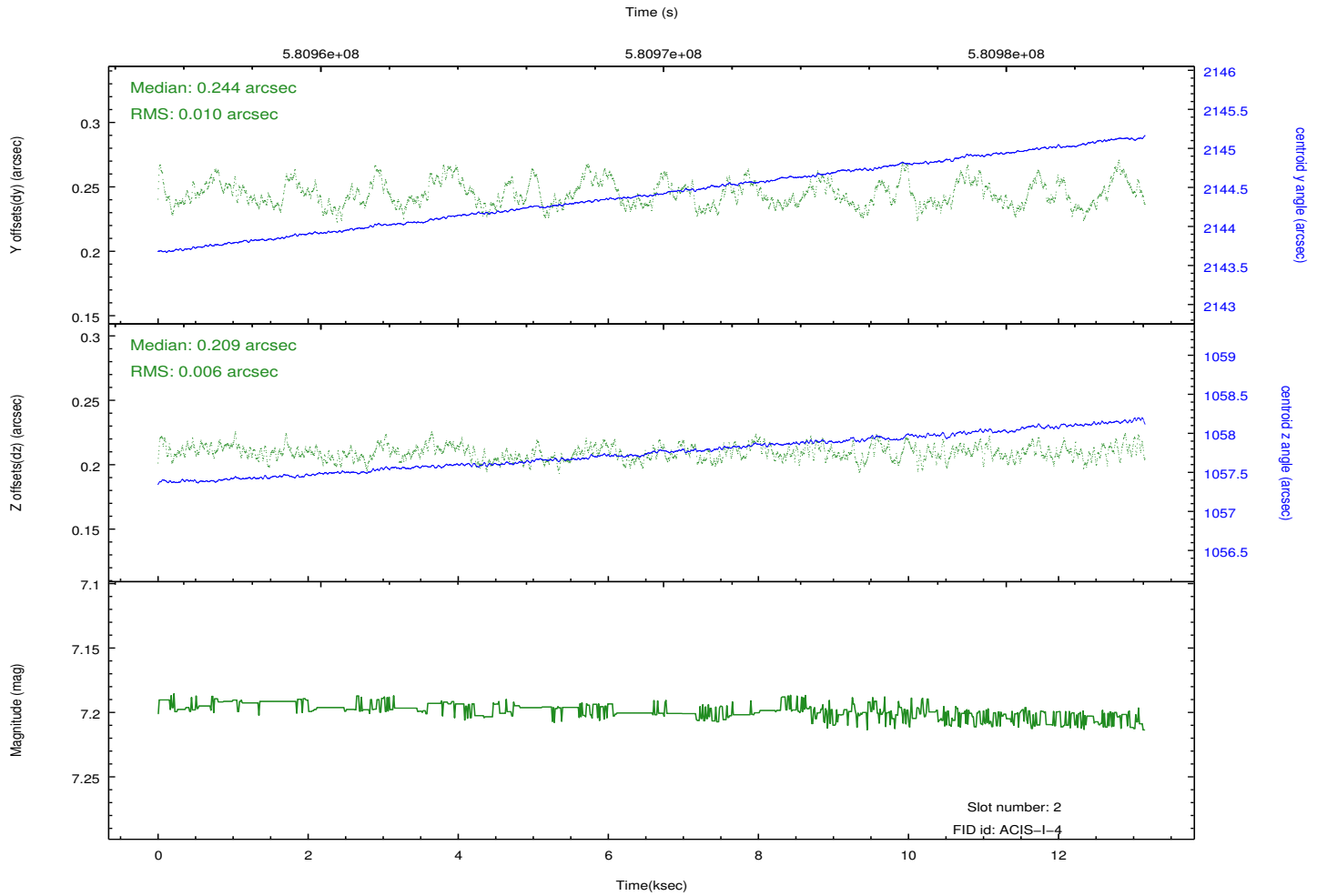
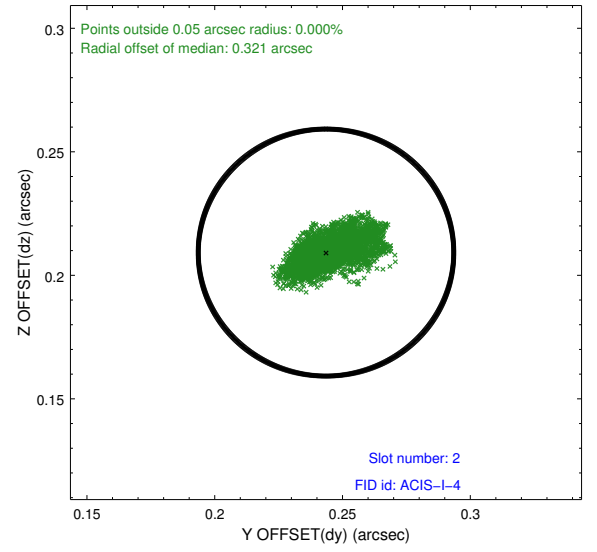
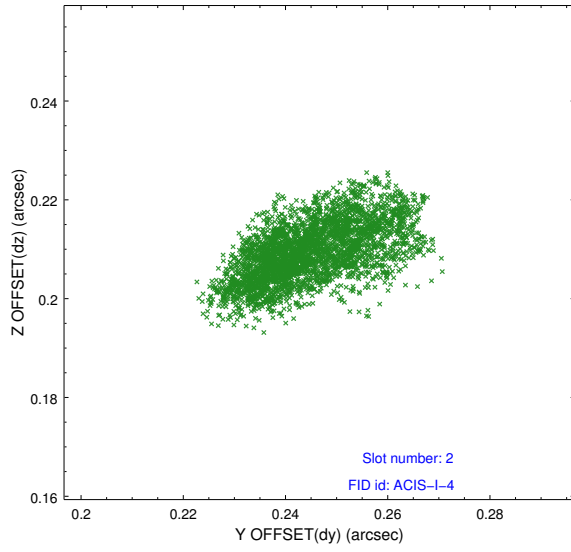
2.5.1 Slot 0



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)	2016.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.131600101113

A.2 Comments