

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18428 - L2 Version 1
Chandra X-Ray Center

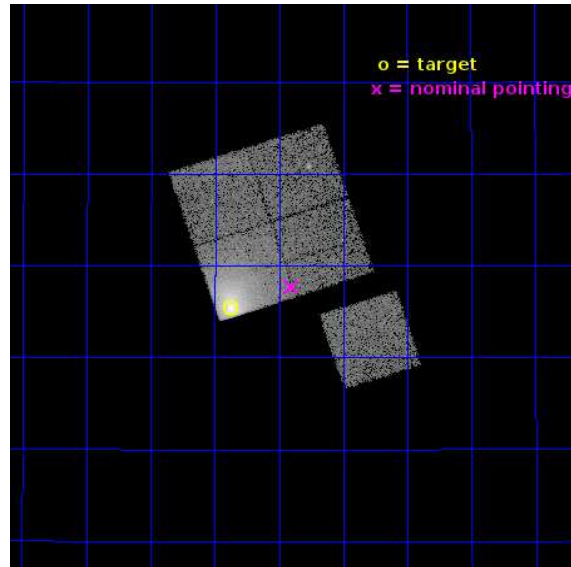
L2 Processing Date : Apr 7 2016

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1 Front

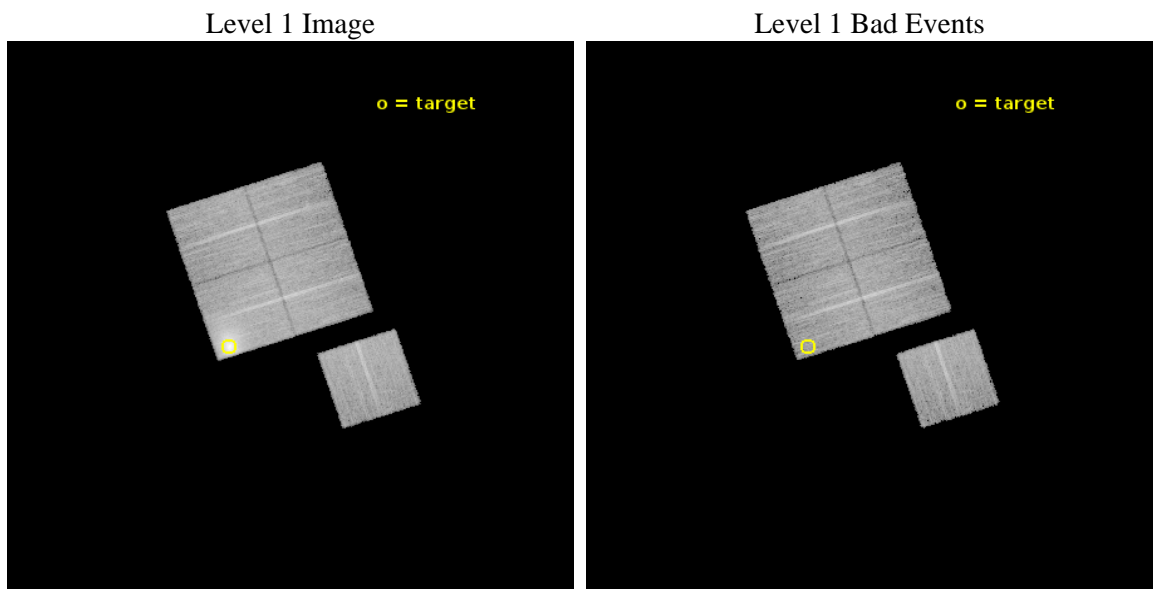
seq_num	890121	Sequence number
obs_id	18428	Observation id
title	AO-17 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.10081919437	Nominal RA [deg]
dec_nom	26.628888212965	Nominal Dec [deg]
roll_nom	161.70226958455	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14901.659074545	Sum of GTIs [s]
livetime	14706.957928294	Livetime [s]
ontime0	14904.800114751	Sum of GTIs [s]
ontime1	14898.518044353	Sum of GTIs [s]
ontime2	14904.800114751	Sum of GTIs [s]
ontime3	14901.659074545	Sum of GTIs [s]
ontime6	14904.800114751	Sum of GTIs [s]
l2events	101975	Number of level 2 events



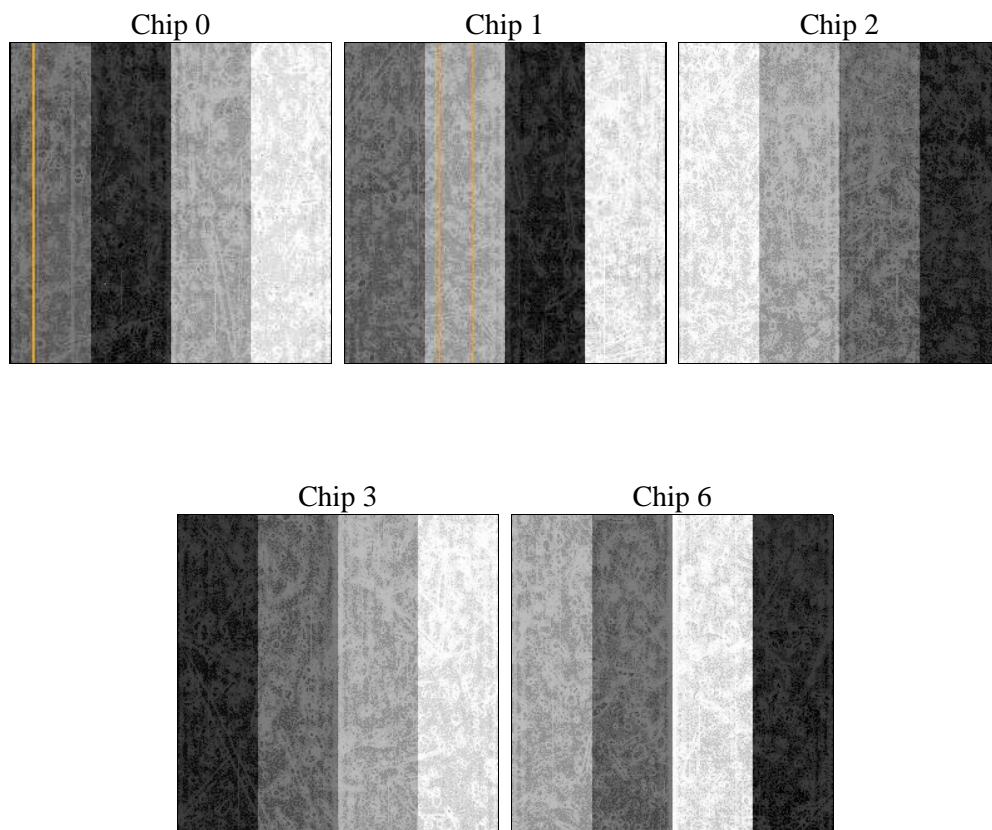
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14829.024000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	14901.659074545	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	14904.800114751	Sum of GTIs [s]
date	2016-04-08T01:07:14	Date and time of file creation	ontime1	14898.518044353	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	14904.800114751	Sum of GTIs [s]
			ontime3	14901.659074545	Sum of GTIs [s]
			ontime6	14904.800114751	Sum of GTIs [s]
			l1events	510650	Number of level 1 events

2.1.4 Events

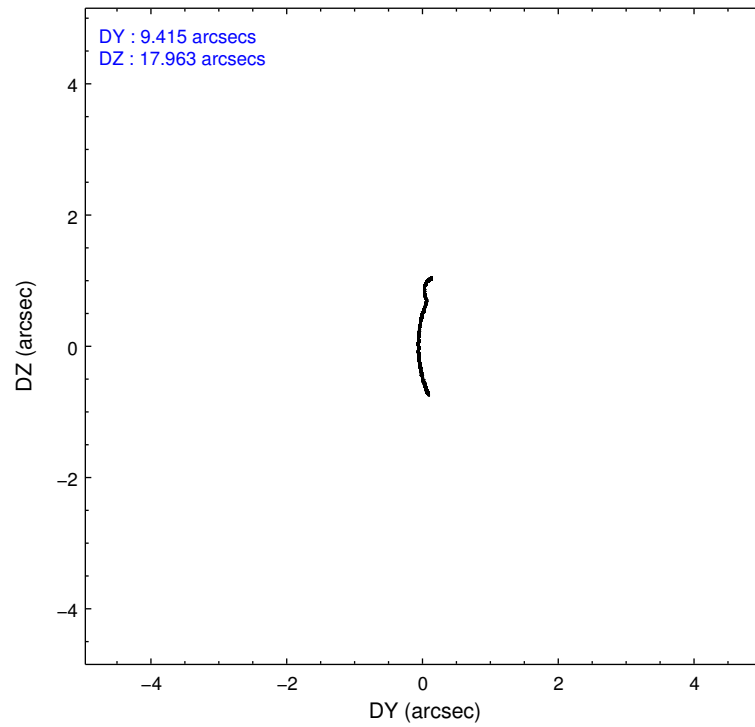
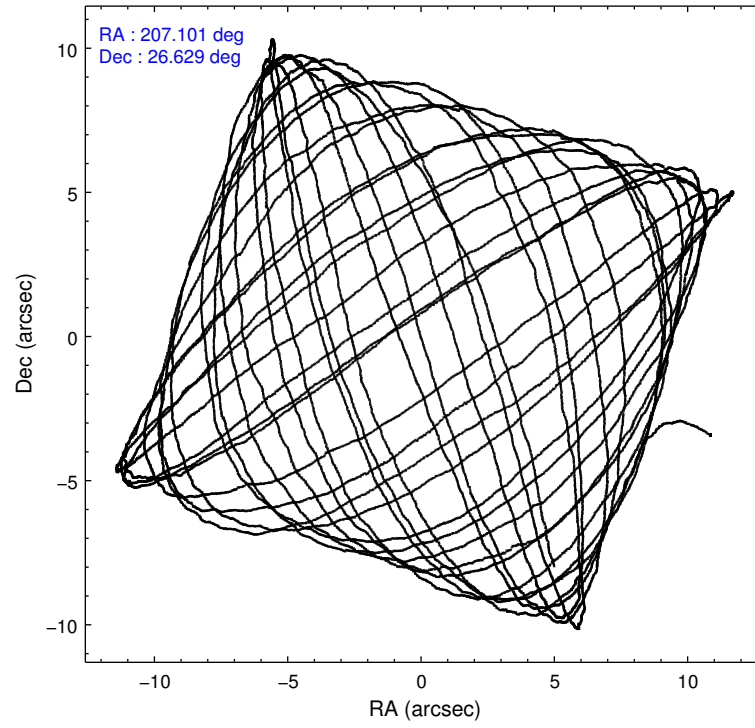
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	84288	89404	95512	148422	93024
rejected events	73511	76709	84154	82630	82151
rejected %	87%	85%	88%	55%	88%

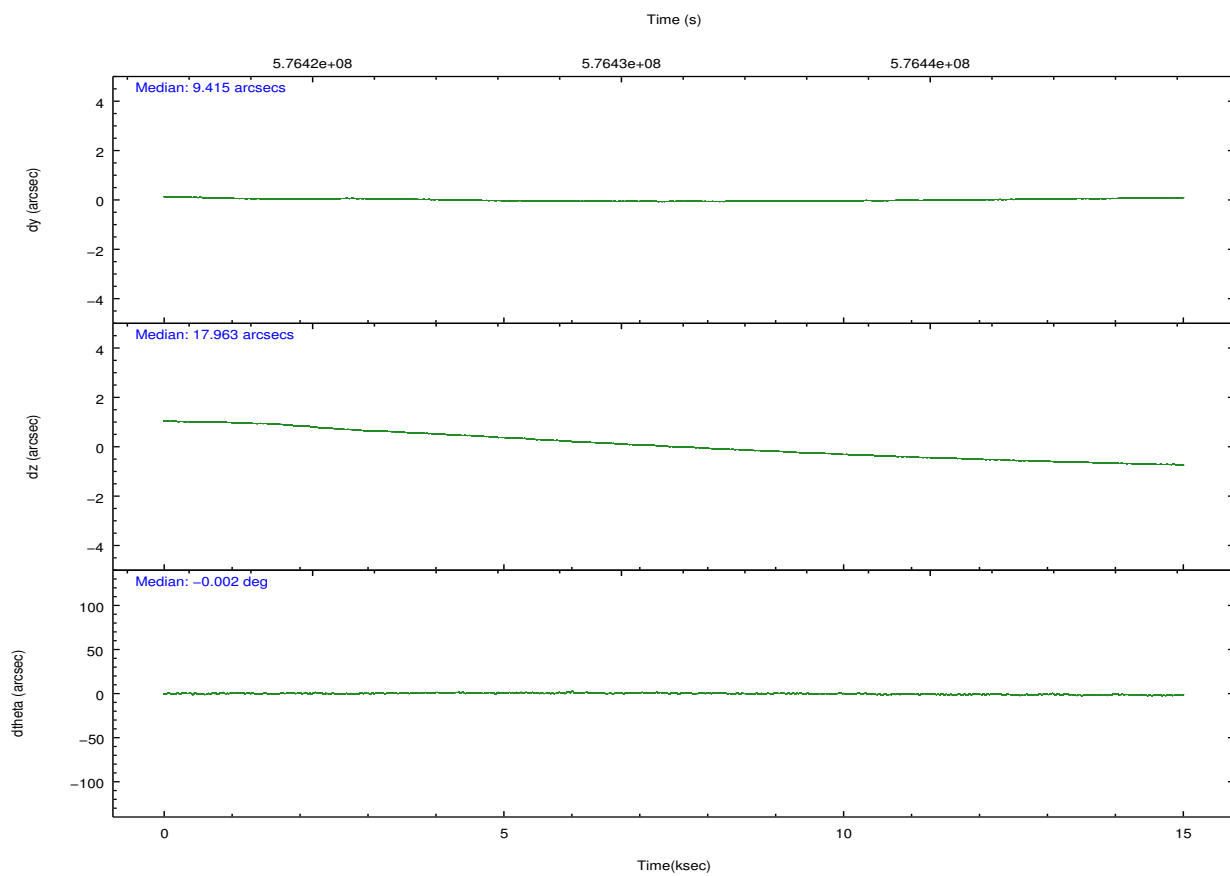
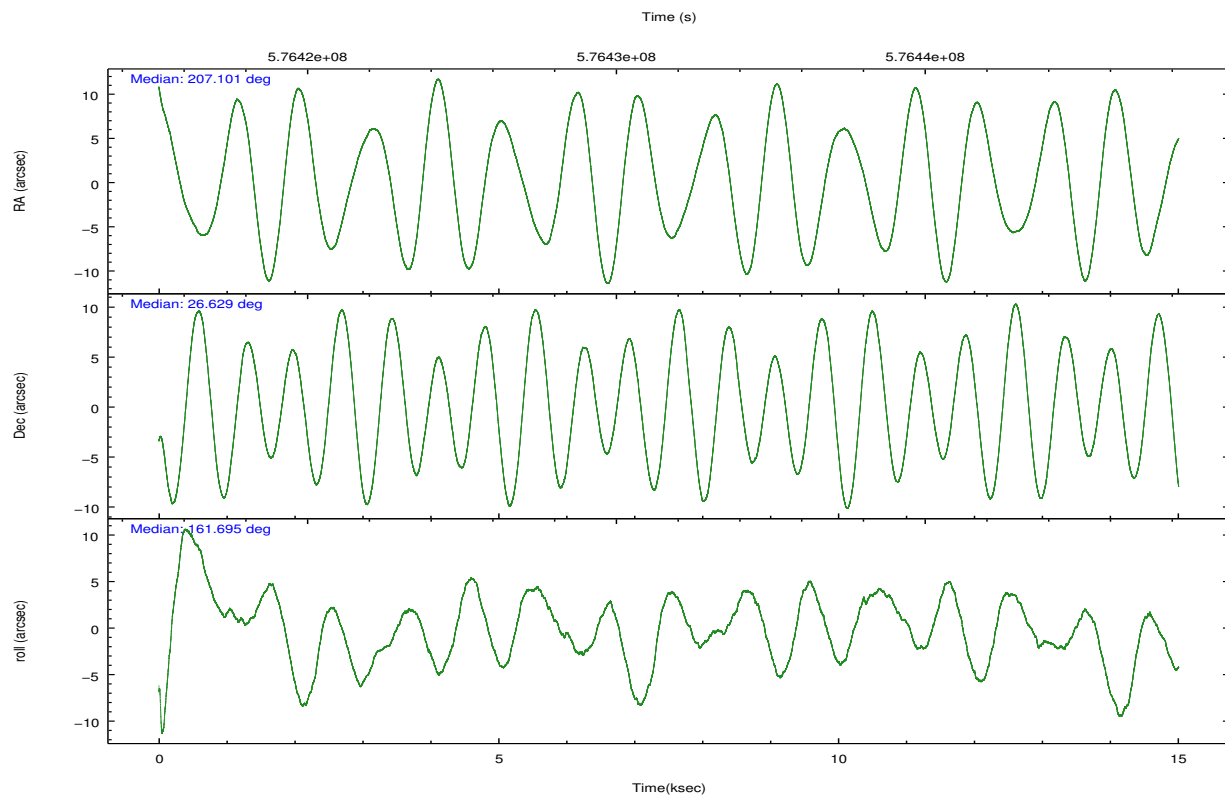
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3864	4821	4687	47251	3791
	4%	5%	4%	31%	4%
grade 1 events	54	63	65	244	46
	0%	0%	0%	0%	0%
grade 2 events	2622	2966	2752	8454	2489
	3%	3%	2%	5%	2%
grade 3 events	1095	1166	1048	3088	1128
	1%	1%	1%	2%	1%
grade 4 events	1069	1098	1000	3015	1051
	1%	1%	1%	2%	1%
grade 5 events	4079	4253	3709	4795	4366
	4%	4%	3%	3%	4%
grade 6 events	2131	2645	1879	3996	2419
	2%	2%	1%	2%	2%
grade 7 events	69374	72392	80372	77579	77734
	82%	80%	84%	52%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	207.131038	207.1008191943741	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.634600	26.62888821296515	Alternating exposures requested	N	N
[deg] Pointing Roll	161.480032	161.7022695845504	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	575856068.184000	575856068.184000			
[s] Window stop time (MET)	578361668.184000	578361668.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-214.092463	-214.0964622431356			
[mm] SIM translation stage offset	-19.5	-19.49599075979413			
[s] Observation start time (MET)	576423537.184000	576422332.29275			
Observation start date	2016-04-07T13:37:49	2016-04-07T13:18:52			
[s] Observation end time (MET)	576438366.184000	576438596.48118			
Observation end date	2016-04-07T17:44:58	2016-04-07T17:49:56			
Read mode	TIMED	TIMED			

2.3 Aspect



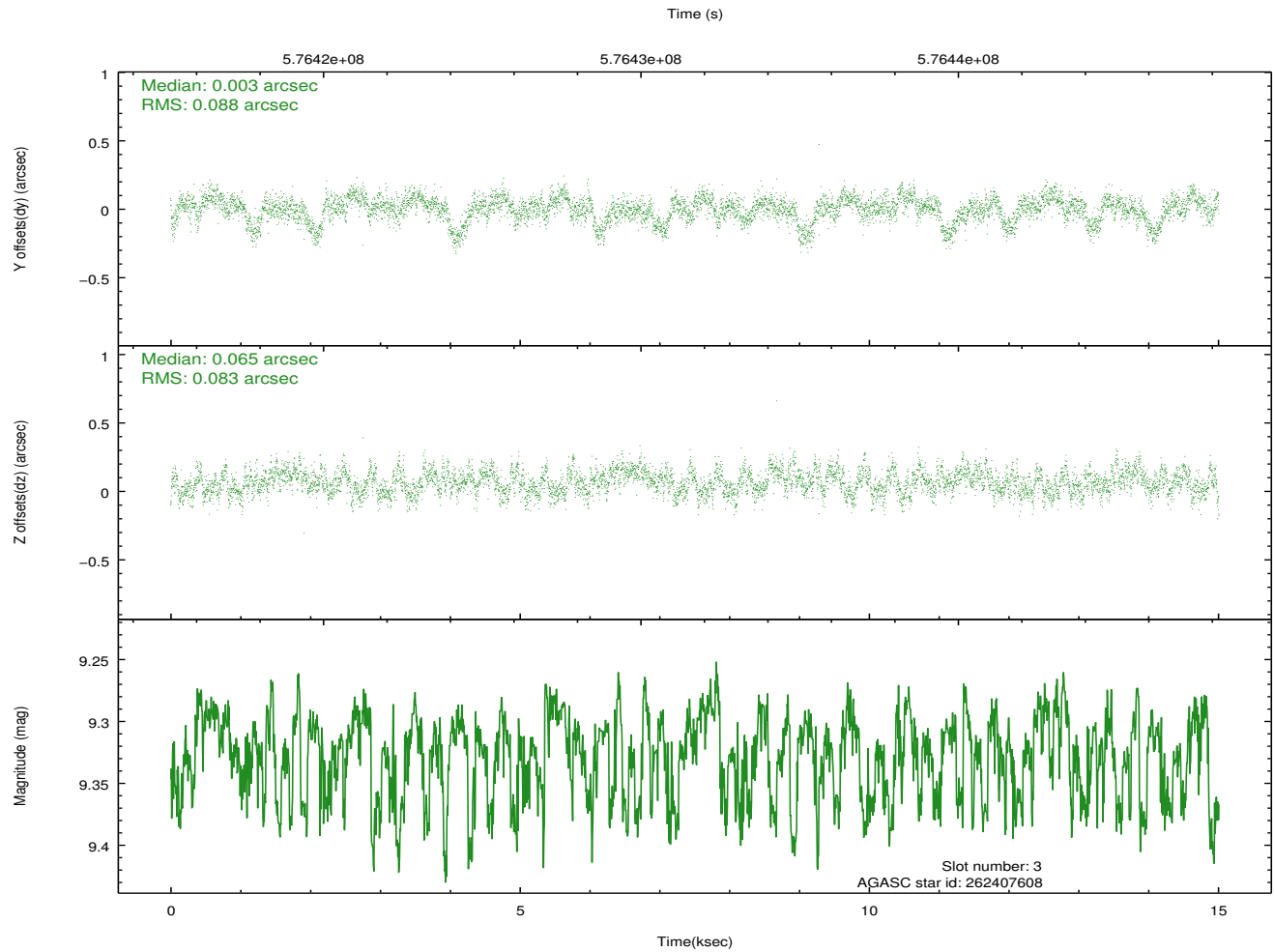
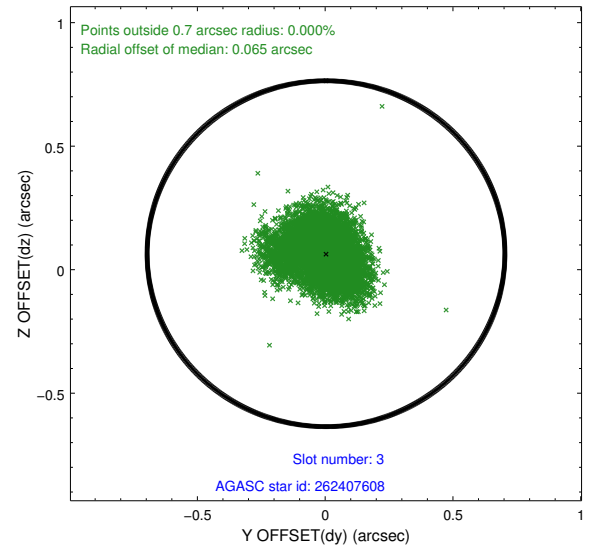
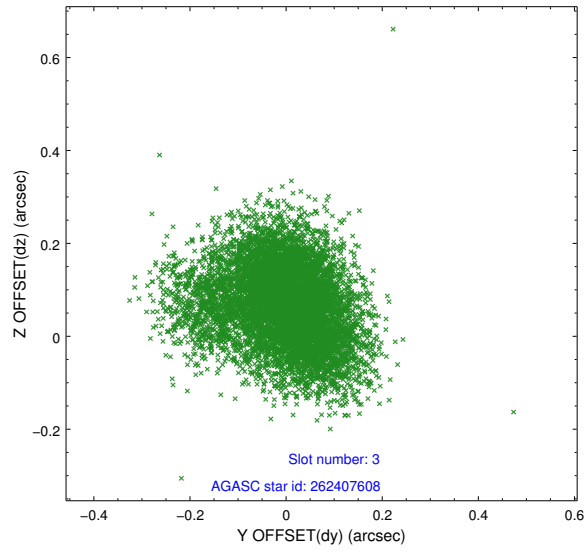


Slot Statistics

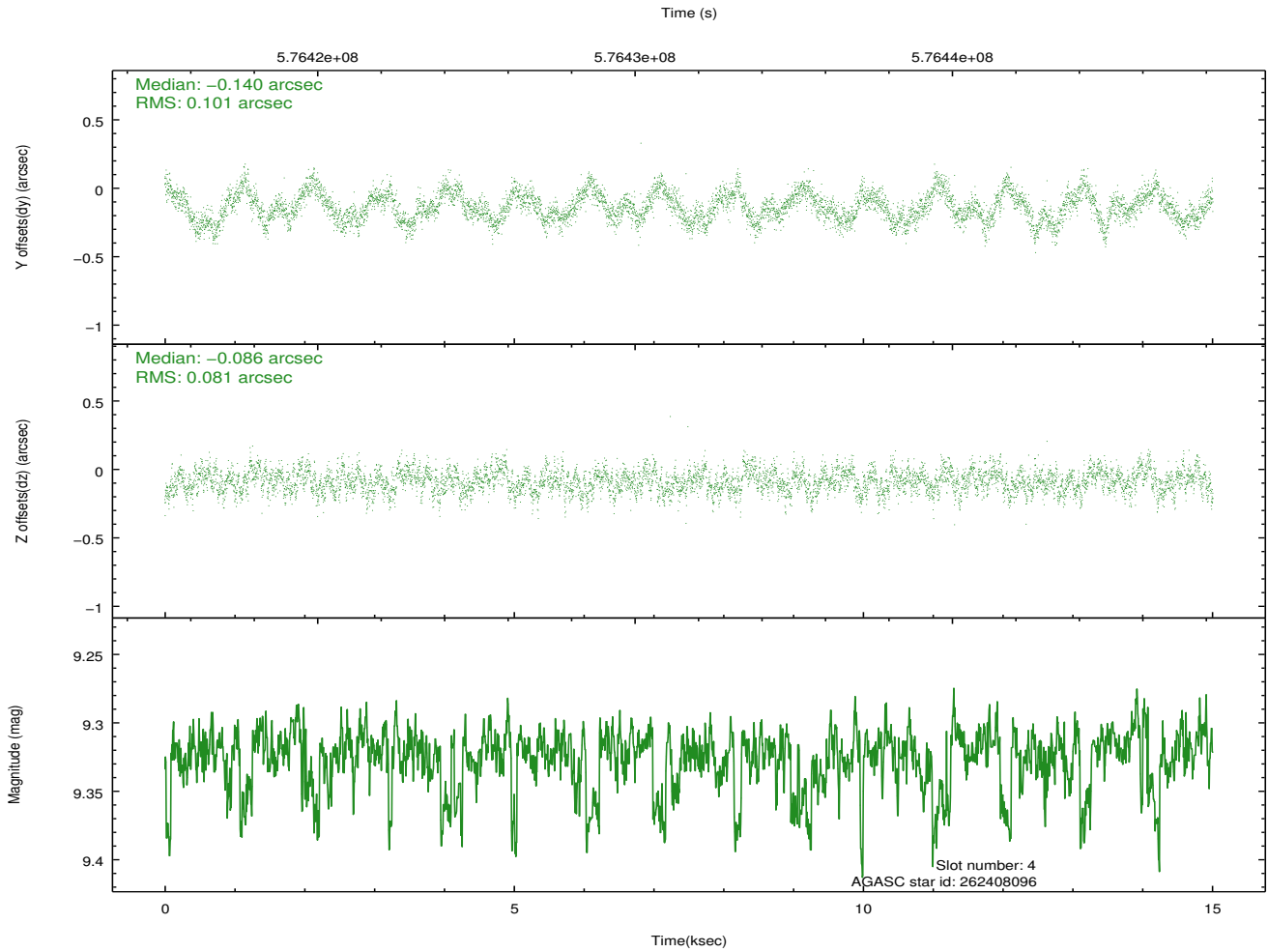
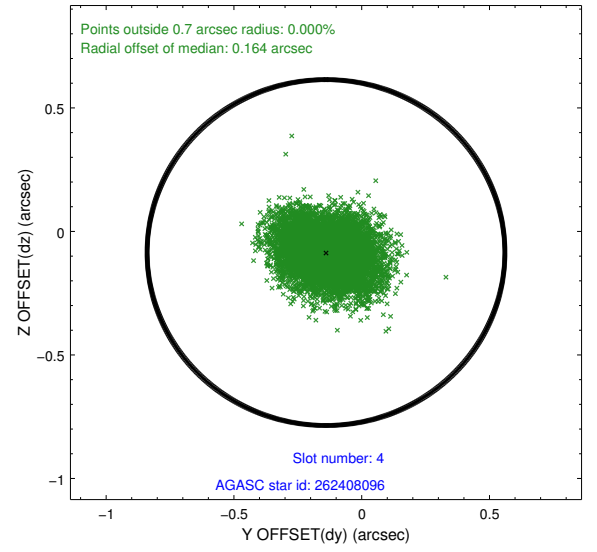
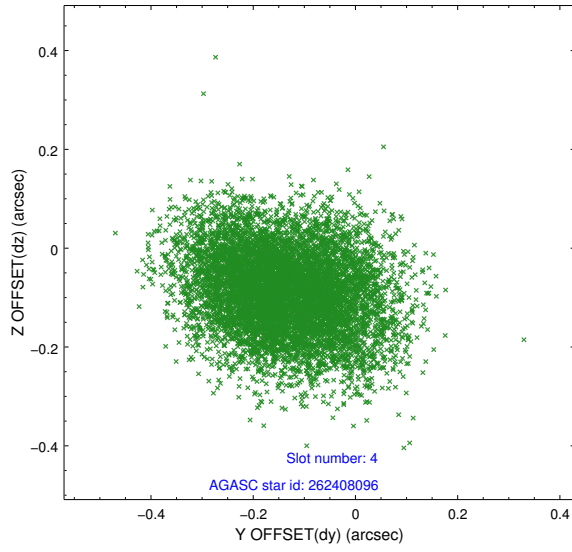
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.22	3661	0.337	-0.286	0.013	0.023	0.000000	0.000000	930.15	-1242.39
1	FID		ACIS-I-5	7.23	3662	-0.554	0.220	0.012	0.019	0.000000	0.000000	-1818.66	655.35
2	FID		ACIS-I-6	7.28	3660	0.125	0.143	0.020	0.035	0.000000	0.000000	395.18	1300.11
3	GUIDE	used	262407608	9.33	7319	0.003	0.065	0.128	0.210	207.378401	26.435507	-983.54	425.80
4	GUIDE	used	262408096	9.32	7315	-0.140	-0.086	0.139	0.225	207.011678	26.515421	228.90	528.98
5	GUIDE	used	262409552	8.16	7320	0.038	0.015	0.094	0.153	206.584269	27.192805	2300.28	-1352.04
6	GUIDE	used	262408512	7.96	7321	0.035	0.238	0.085	0.139	207.800210	27.128796	-1465.19	-2373.28
7	GUIDE	used	262411960	9.66	7316	0.069	-0.230	0.156	0.256	207.327895	25.881727	-1465.57	2366.51

2.4 Star Slots

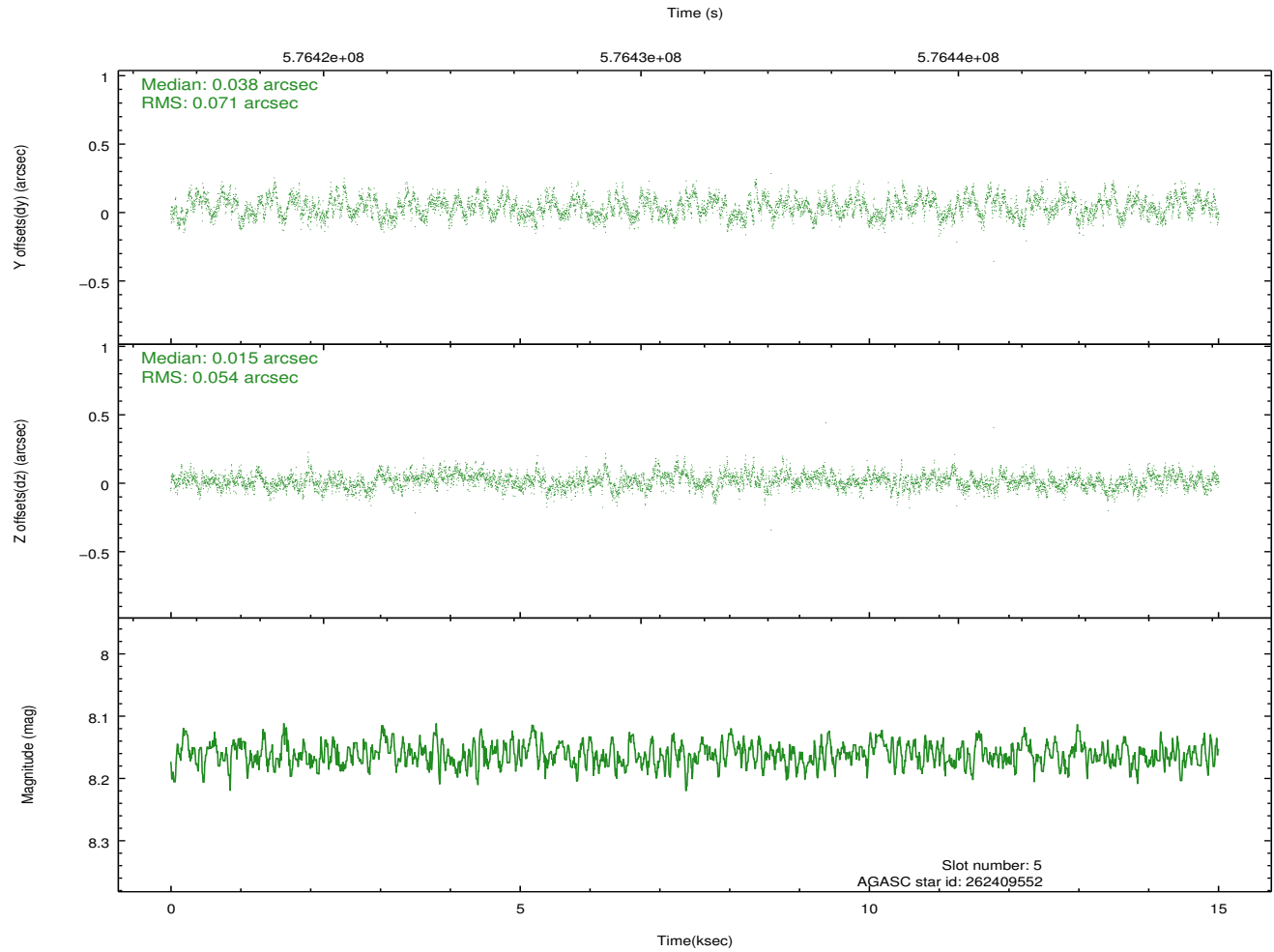
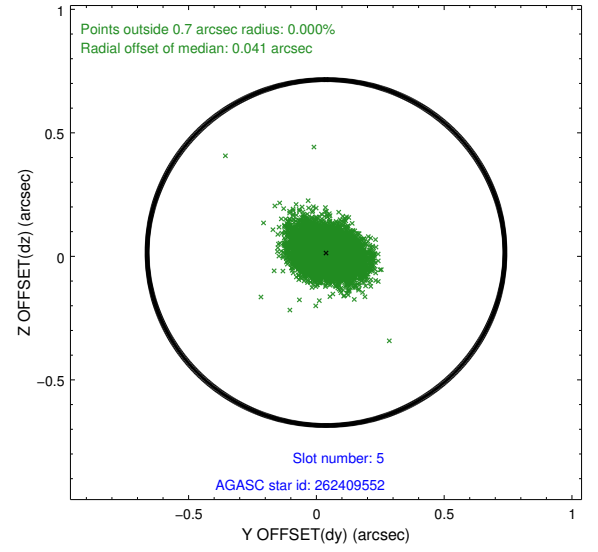
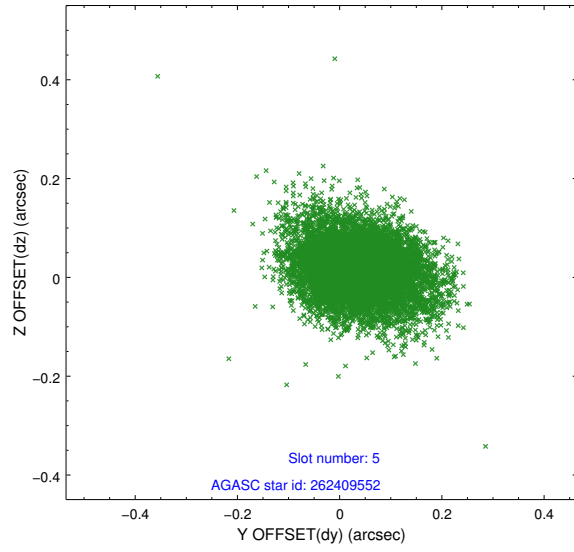
2.4.1 Slot 3



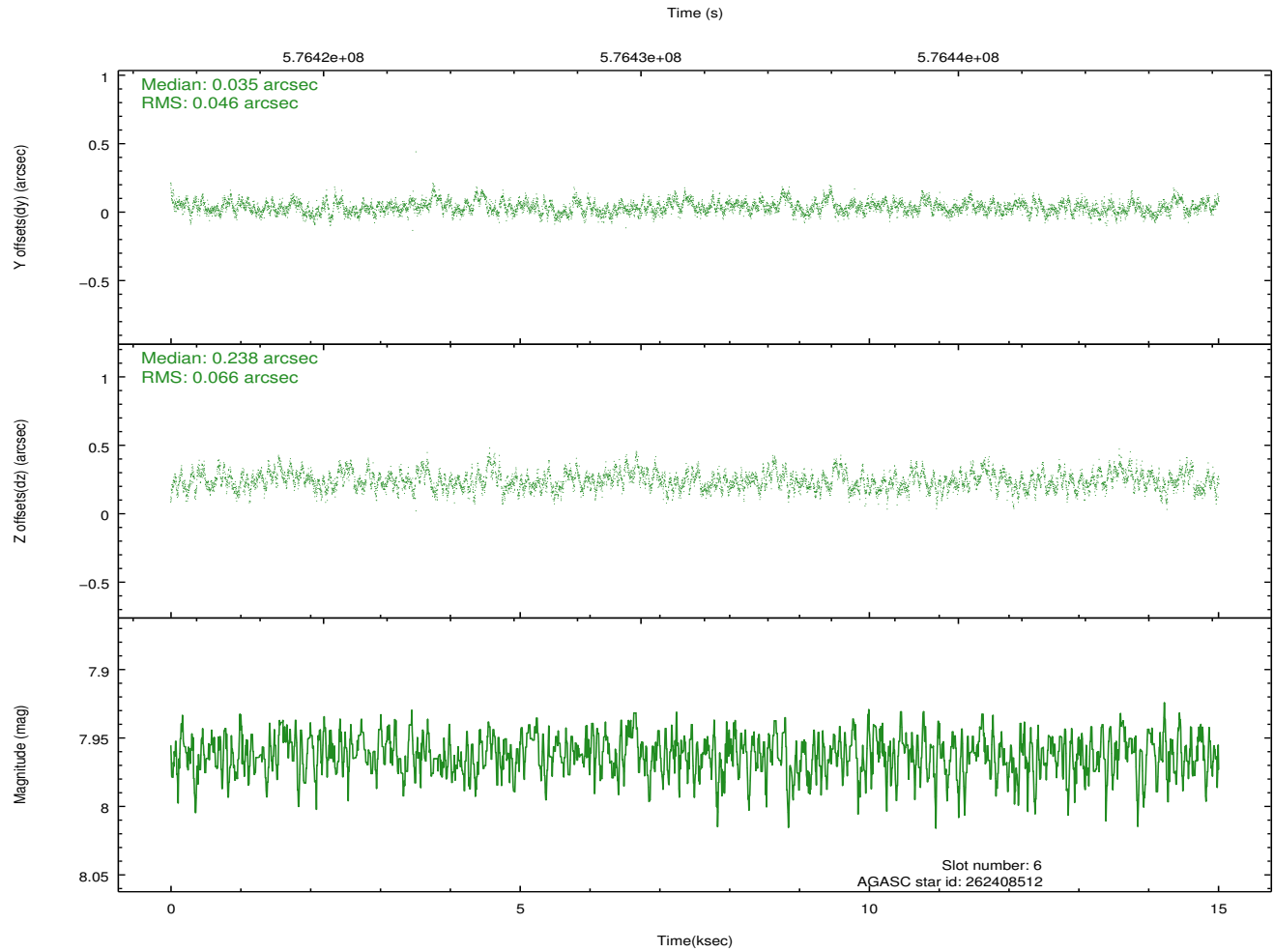
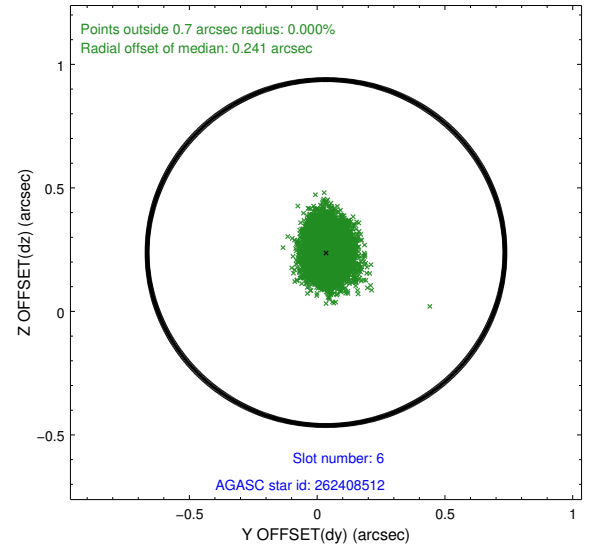
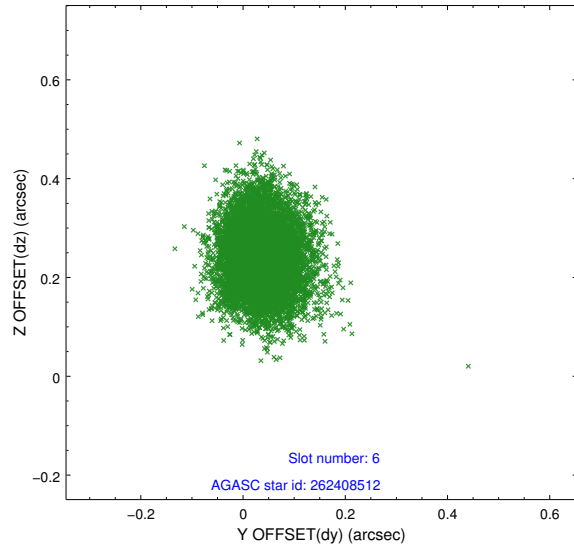
2.4.2 Slot 4



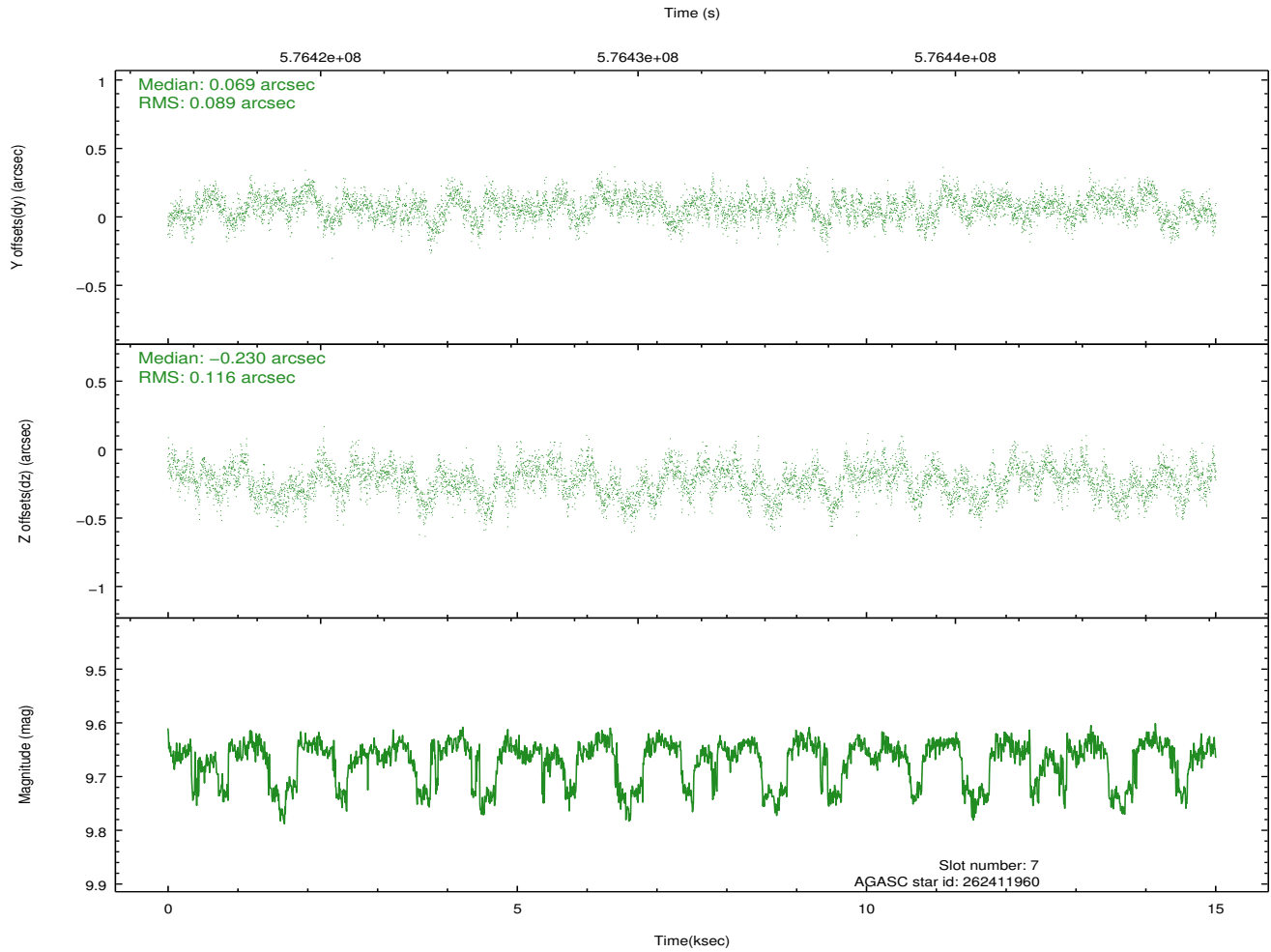
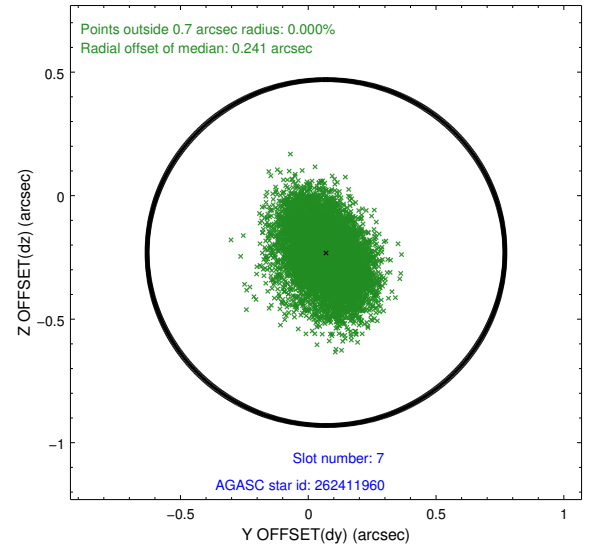
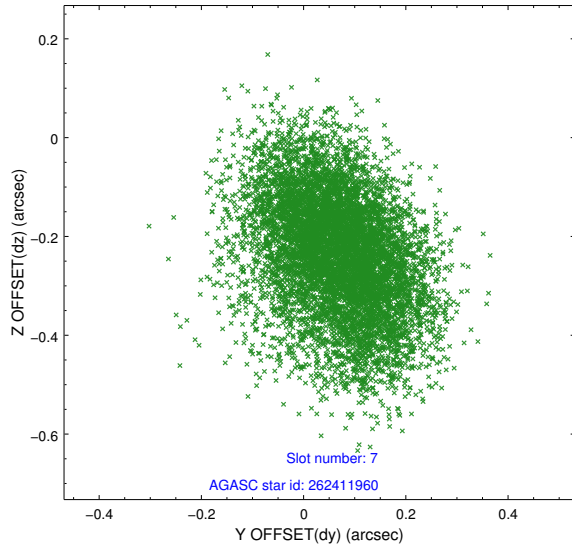
2.4.3 Slot 5



2.4.4 Slot 6

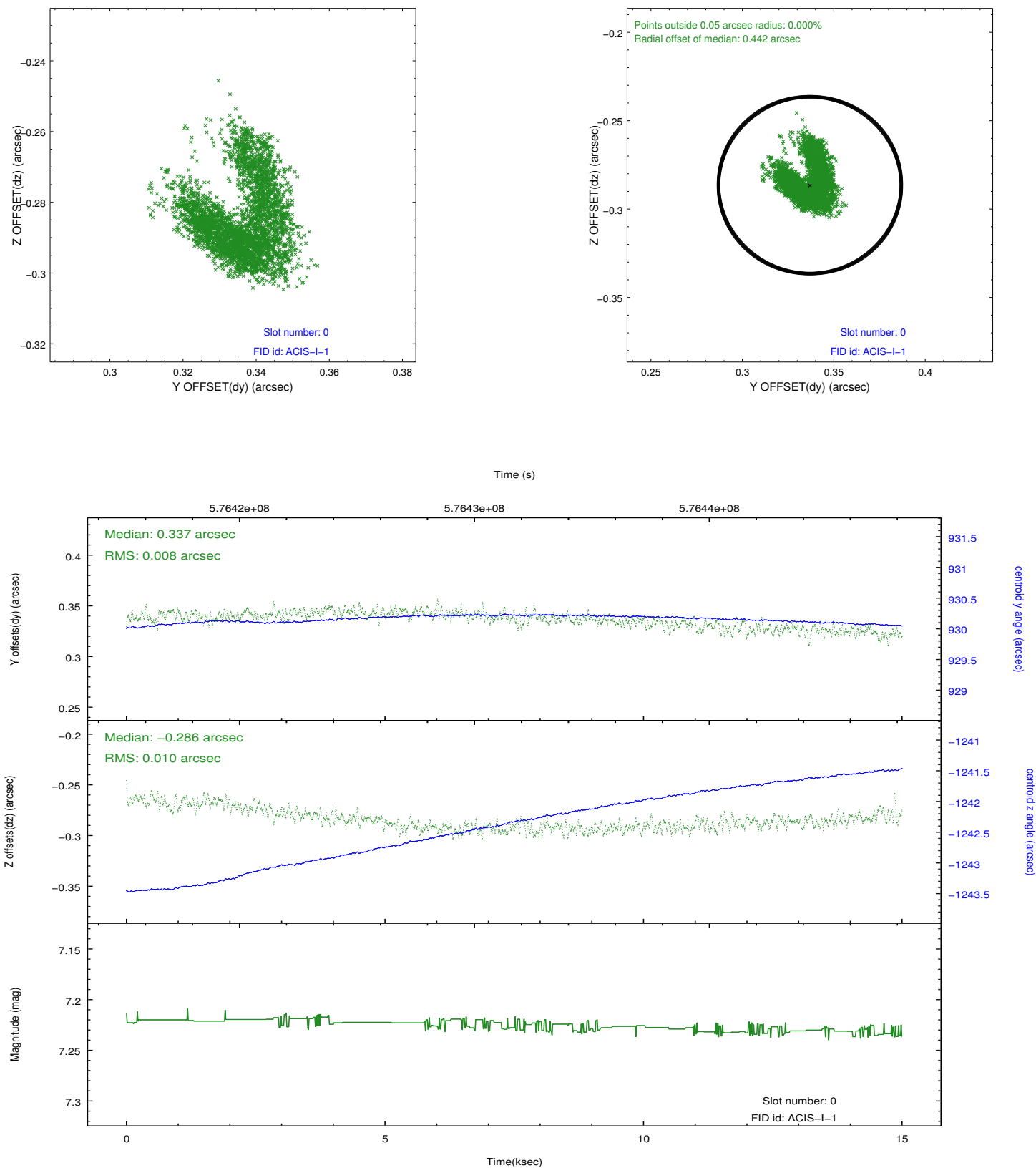


2.4.5 Slot 7

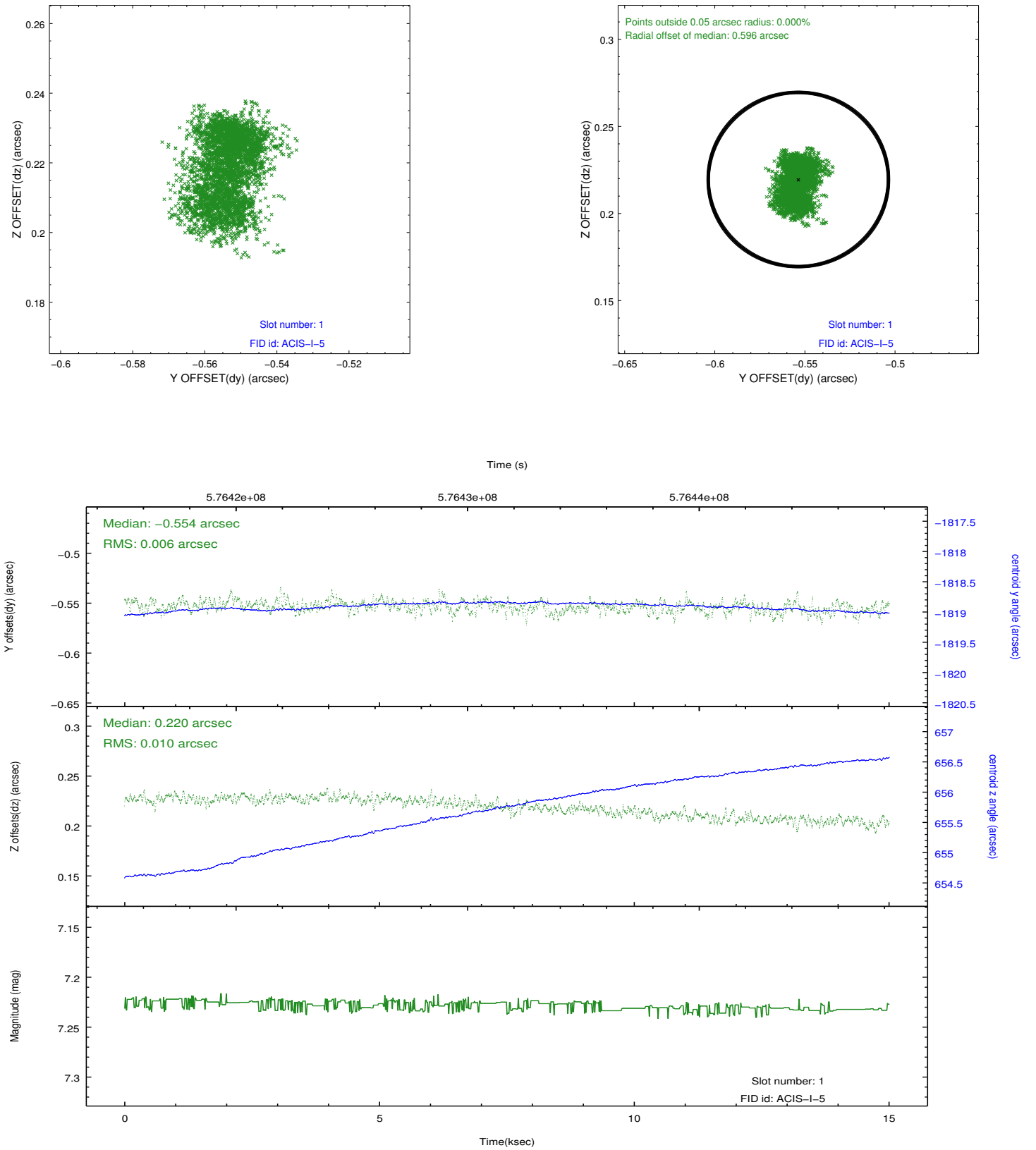


2.5 FID Slots

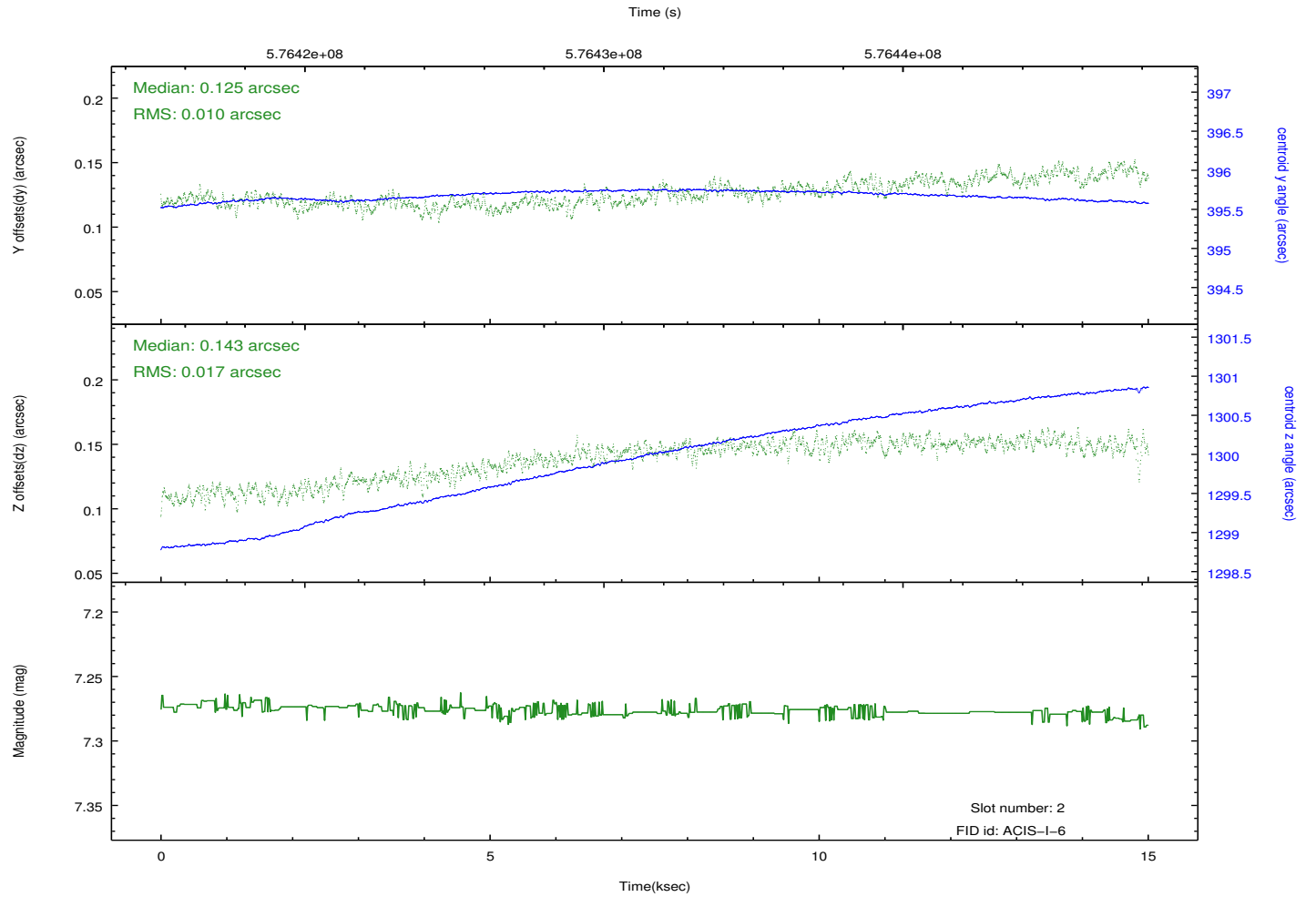
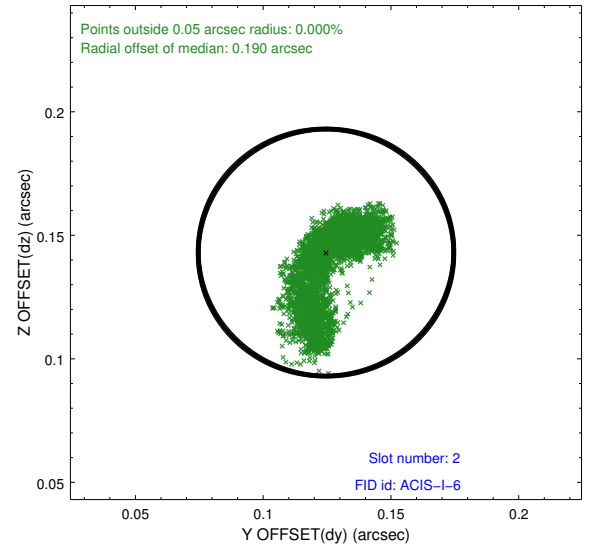
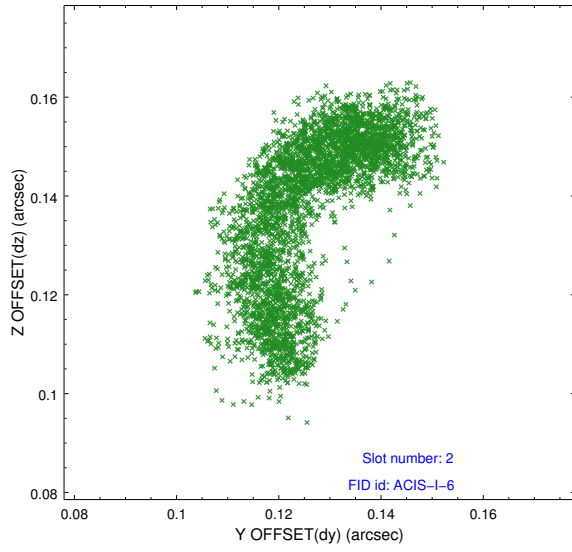
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.901659074545

A.2 Comments

Window preference met.