

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17405 - L2 Version 1
Chandra X-Ray Center

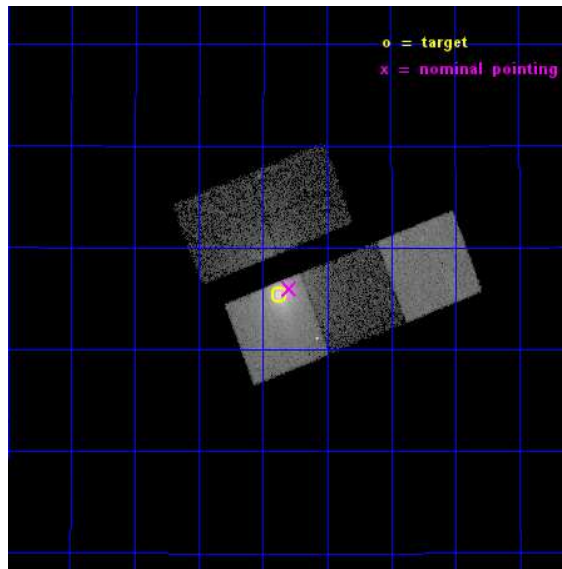
L2 Processing Date : Apr 7 2015

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1 Front

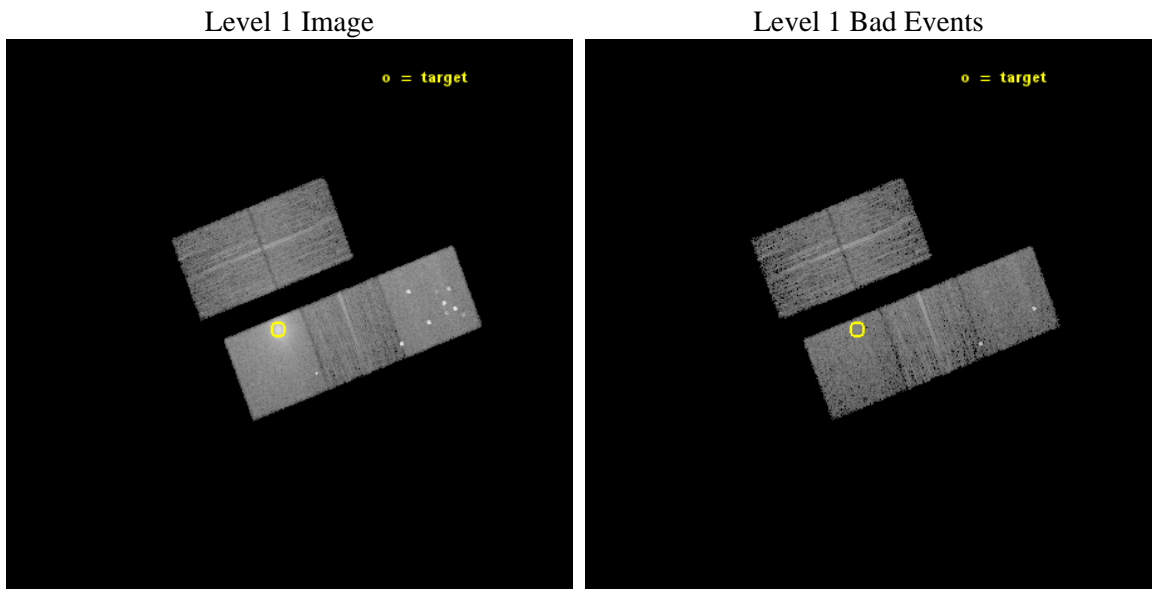
seq_num	890105	Sequence number
obs_id	17405	Observation id
title	AO-16 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.19848430994	Nominal RA [deg]
dec_nom	26.599826984874	Nominal Dec [deg]
roll_nom	158.81771647293	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10061.258342624	Sum of GTIs [s]
livetime	9929.8005953867	Livetime [s]
ontime2	10054.811991453	Sum of GTIs [s]
ontime3	10061.135222673	Sum of GTIs [s]
ontime5	10061.21730268	Sum of GTIs [s]
ontime6	10061.176262617	Sum of GTIs [s]
ontime7	10061.258342624	Sum of GTIs [s]
l2events	145045	Number of level 2 events



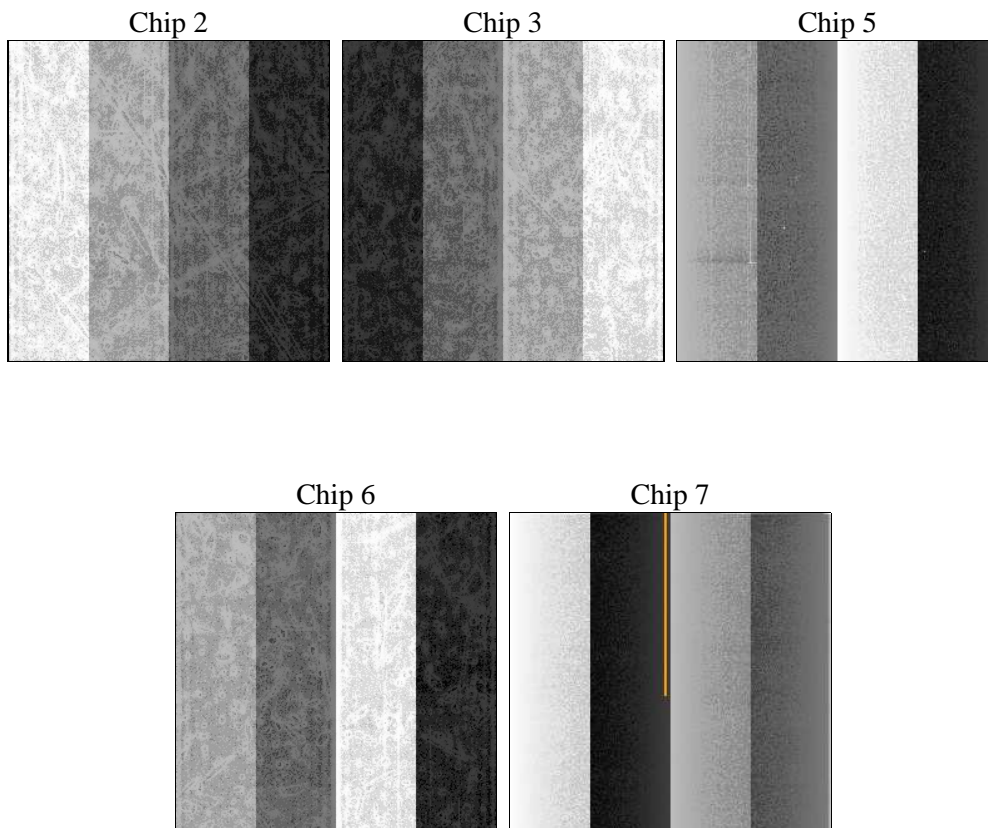
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	10061.258342624	Sum of GTIs [s]
caldbver	4.6.7	 	ontime2	10054.811991453	Sum of GTIs [s]
date	2015-04-07T12:09:26	Date and time of file creation	ontime3	10061.135222673	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	10061.21730268	Sum of GTIs [s]
			ontime6	10061.176262617	Sum of GTIs [s]
			ontime7	10061.258342624	Sum of GTIs [s]
			l1events	380180	Number of level 1 events

2.1.4 Events

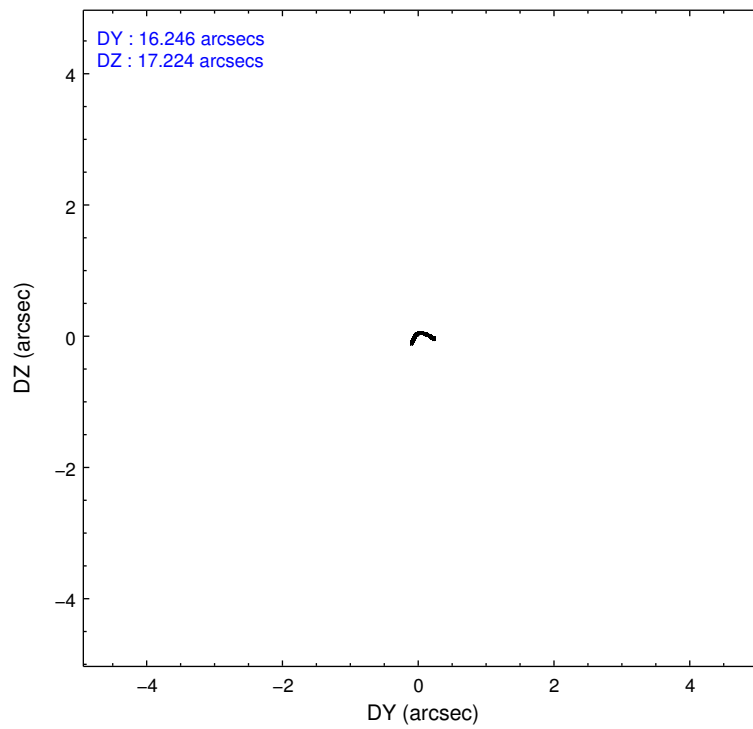
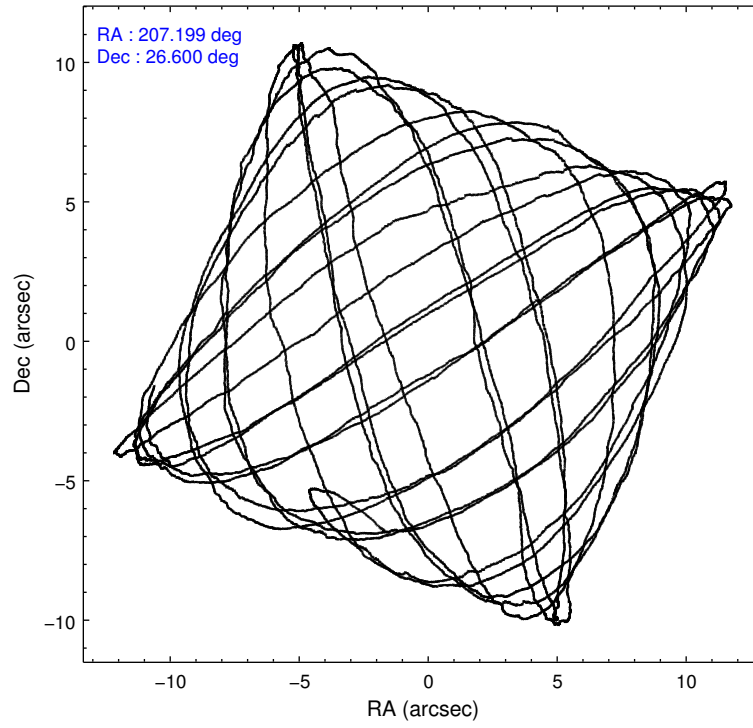
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	51759	49148	97793	54826	126654
rejected events	44602	40963	44824	45484	38629
rejected %	86%	83%	45%	82%	30%

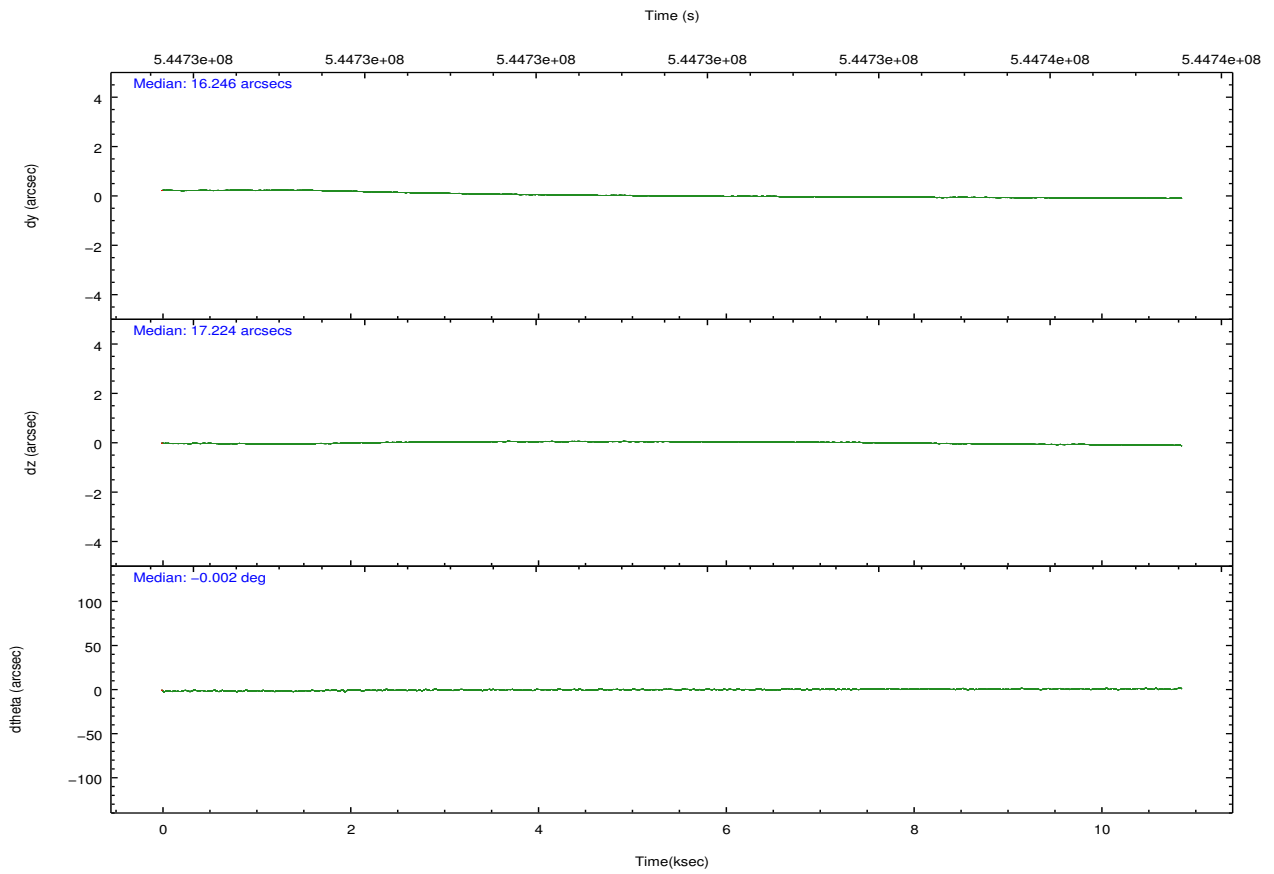
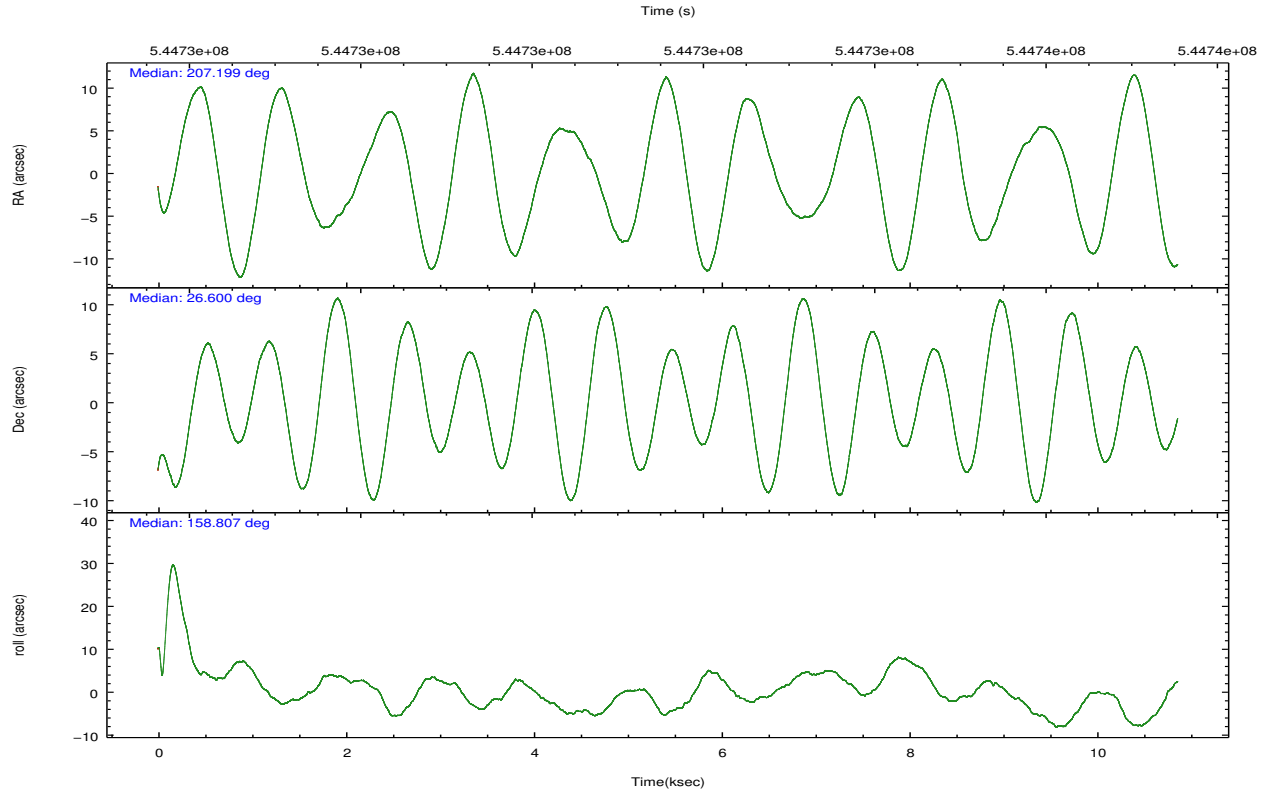
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	3501	4265	12808	4512	18726
	6%	8%	13%	8%	14%
grade 1 events	24	29	861	25	113
	0%	0%	0%	0%	0%
grade 2 events	1356	1416	14658	1924	22053
	2%	2%	14%	3%	17%
grade 3 events	610	654	1285	645	8718
	1%	1%	1%	1%	6%
grade 4 events	602	677	1512	680	8400
	1%	1%	1%	1%	6%
grade 5 events	1928	2329	6010	2359	6811
	3%	4%	6%	4%	5%
grade 6 events	1093	1177	22738	1585	30201
	2%	2%	23%	2%	23%
grade 7 events	42645	38601	37921	43096	31632
	82%	78%	38%	78%	24%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	207.228744	207.1984843099404	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.604452	26.59982698487416	Alternating exposures requested	N	N
[deg] Pointing Roll	158.647568	158.8177164729336	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	544233667.184000	544233667.184000			
[s] Window stop time (MET)	546739267.184000	546739267.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-199.932523	-199.9358384647497			
[mm] SIM translation stage offset	9.800000000000001	9.803315881741838			
[s] Observation start time (MET)	544726994.184000	544725435.28914			
Observation start date	2015-04-06T17:02:07	2015-04-06T16:37:15			
[s] Observation end time (MET)	544736994.184000	544737631.2523299			
Observation end date	2015-04-06T19:48:47	2015-04-06T20:00:31			
Read mode	TIMED	TIMED			

2.3 Aspect





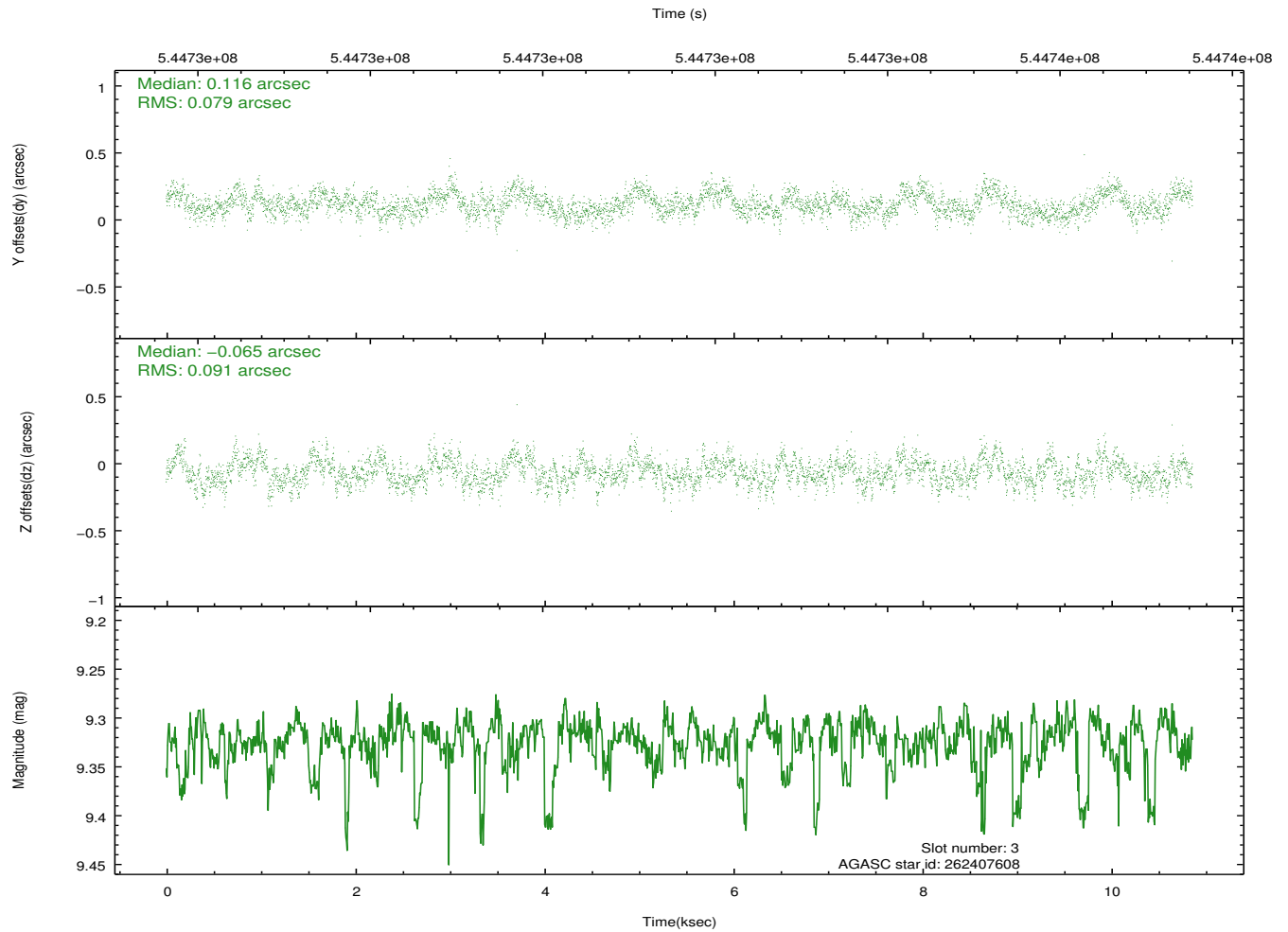
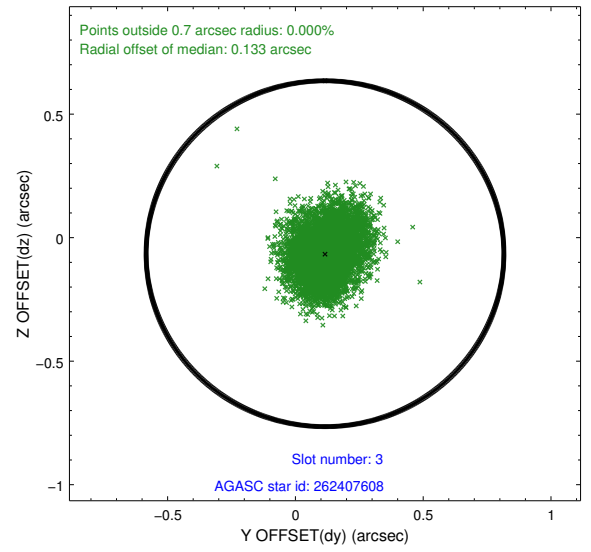
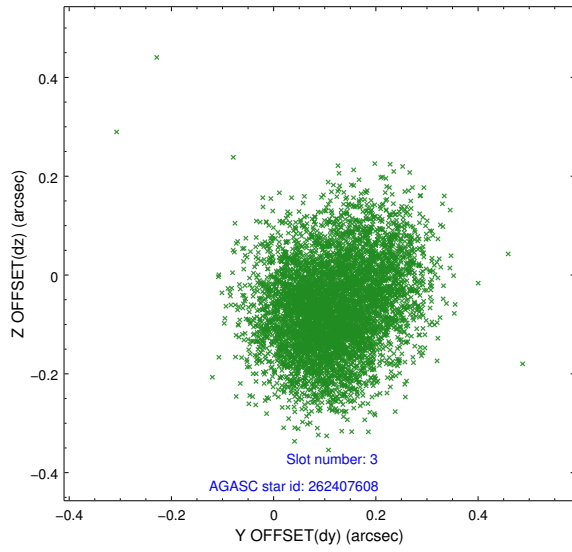
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2650	-0.029	0.096	0.007	0.012	0.000000	0.000000	-769.95	-1536.47
1	FID		ACIS-S-4	7.18	2649	0.258	-0.012	0.006	0.012	0.000000	0.000000	2143.45	371.43
2	FID		ACIS-S-5	7.19	2649	-0.260	-0.075	0.007	0.012	0.000000	0.000000	-1822.36	365.68
3	GUIDE	used	262407608	9.32	5297	0.116	-0.065	0.130	0.206	207.378401	26.435507	-670.58	390.62
4	GUIDE	used	262408096	9.32	5293	-0.203	-0.153	0.171	0.281	207.011678	26.515421	535.16	552.81
5	GUIDE	used	262408936	9.66	5289	0.013	0.170	0.157	0.252	207.154731	26.726554	381.81	-322.12
6	GUIDE	used	262411960	9.66	5192	0.063	-0.244	0.158	0.264	207.327895	25.881727	-1246.54	2306.05
7	GUIDE	used	262408512	7.99	5297	0.007	0.294	0.116	0.180	207.800210	27.128796	-1016.04	-2427.78

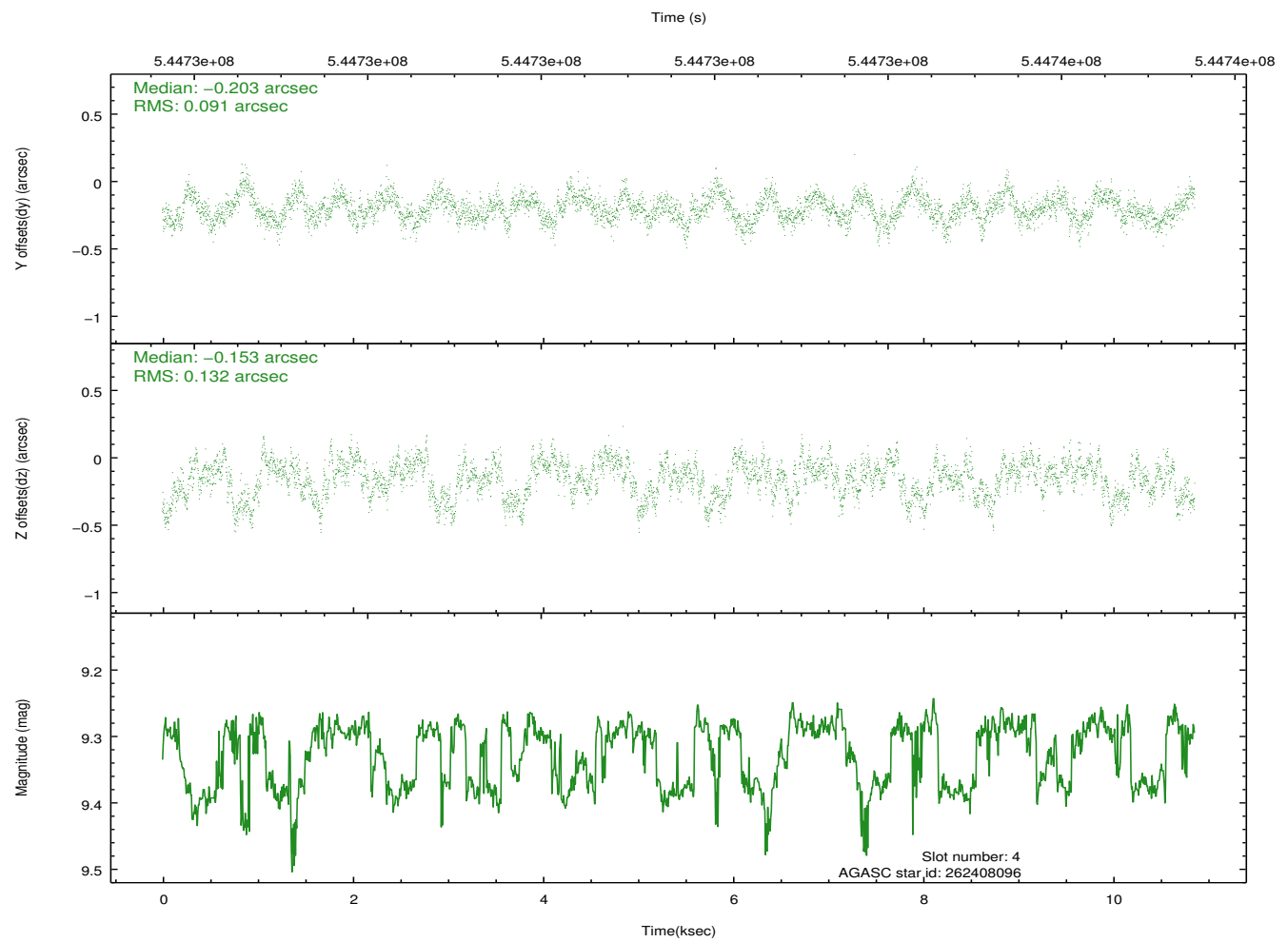
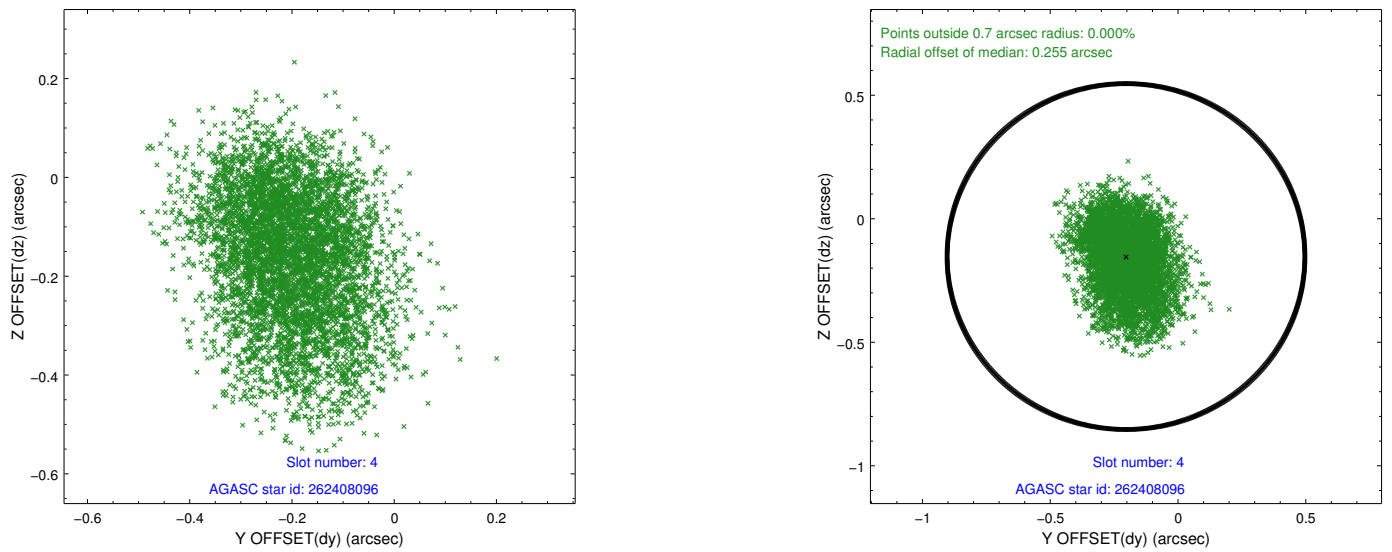
∞

2.4 Star Slots

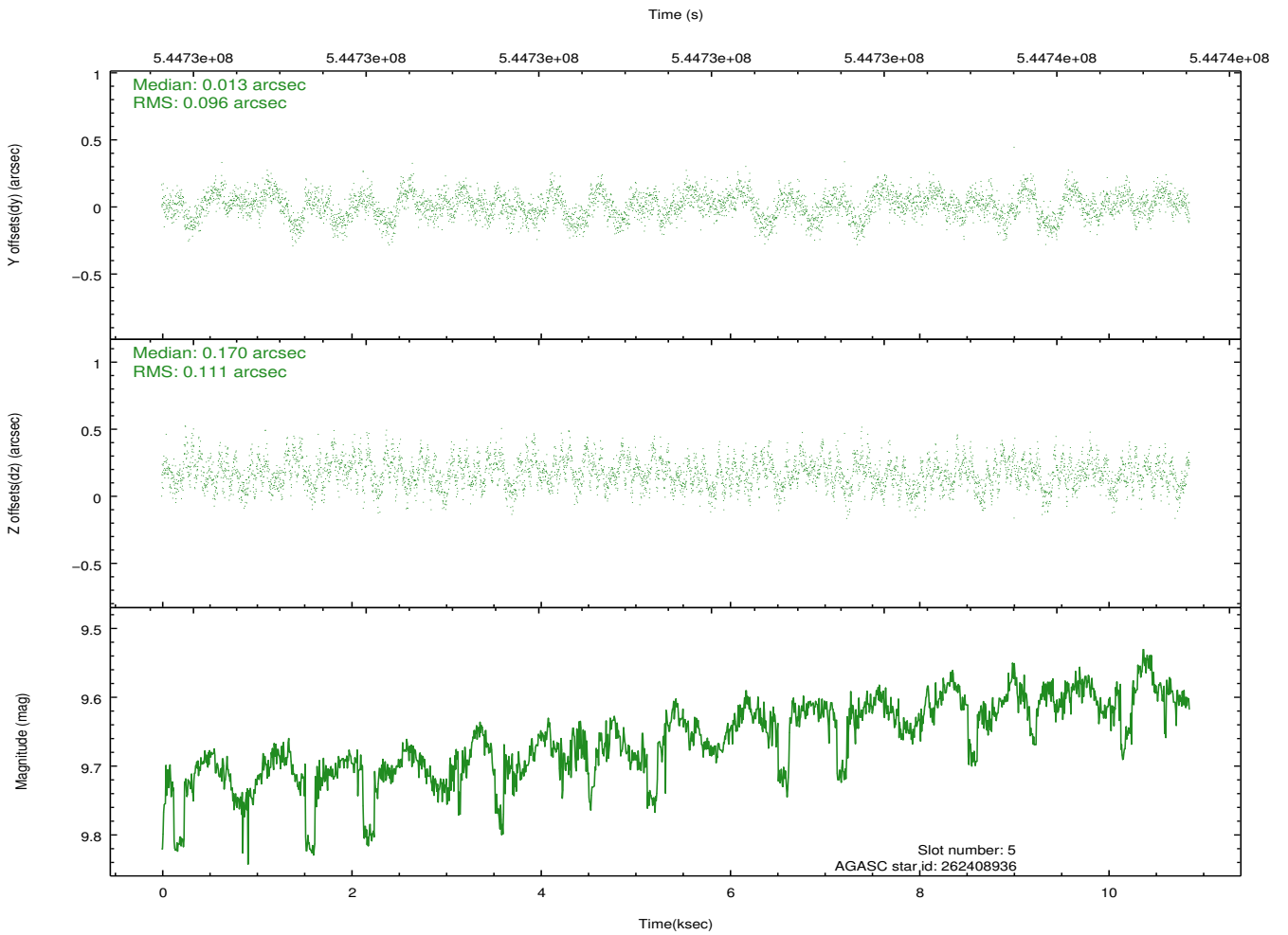
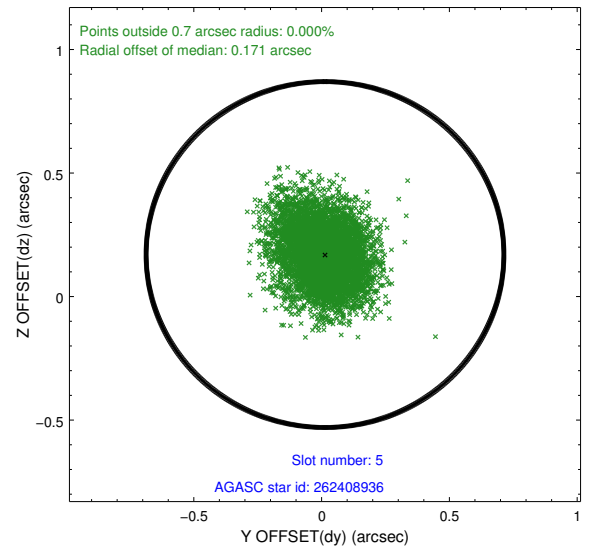
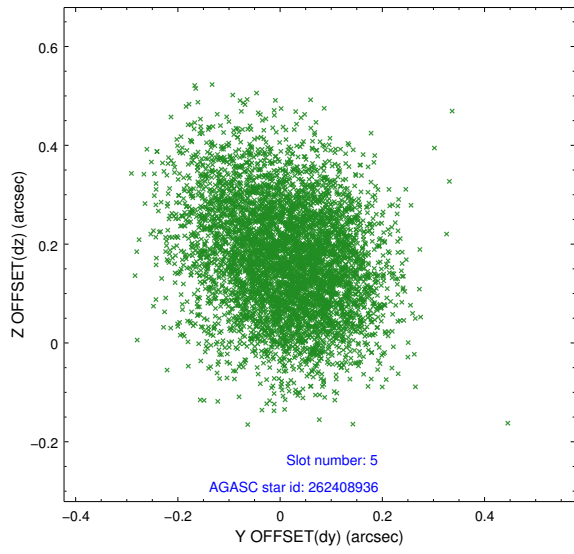
2.4.1 Slot 3



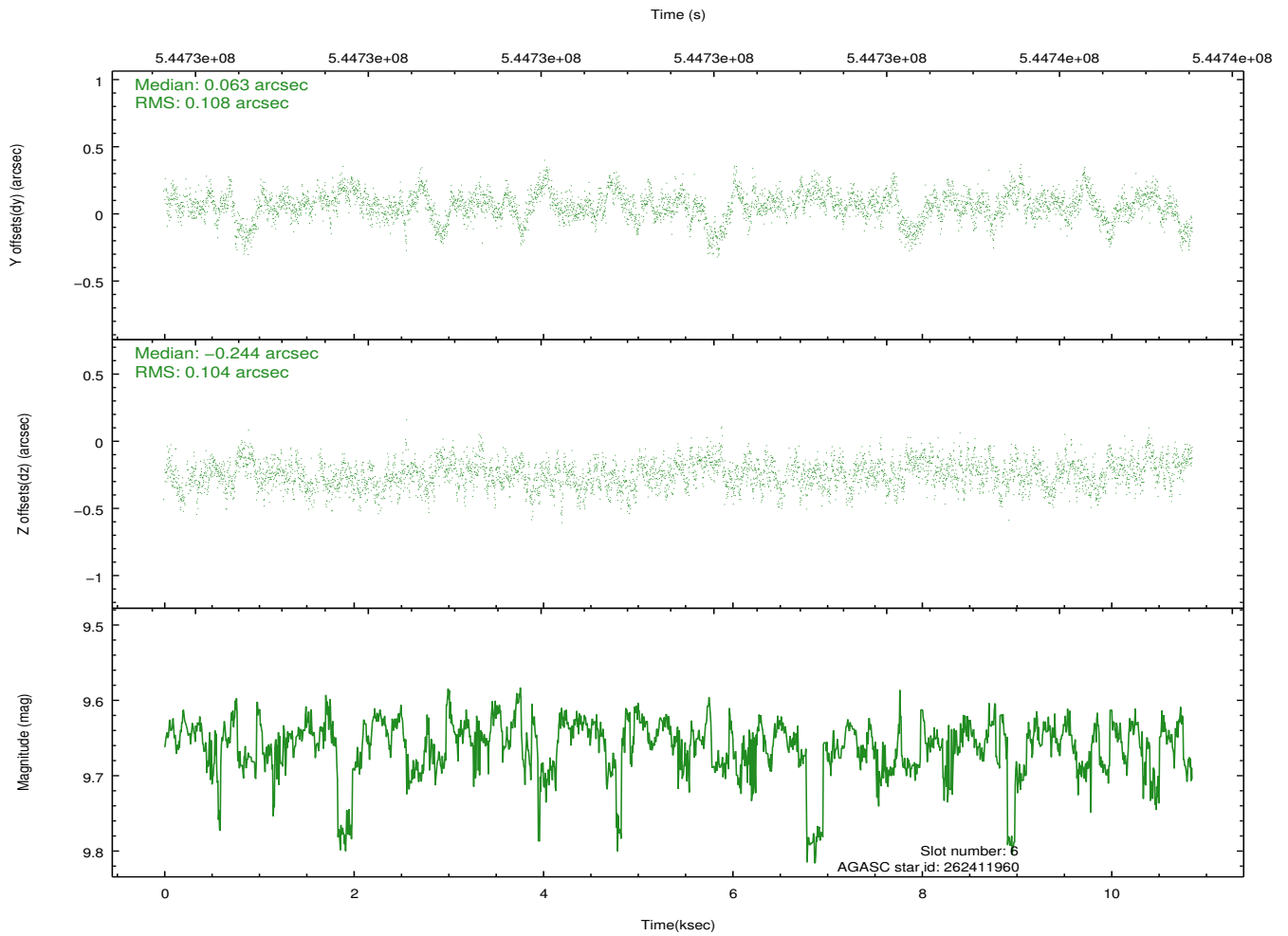
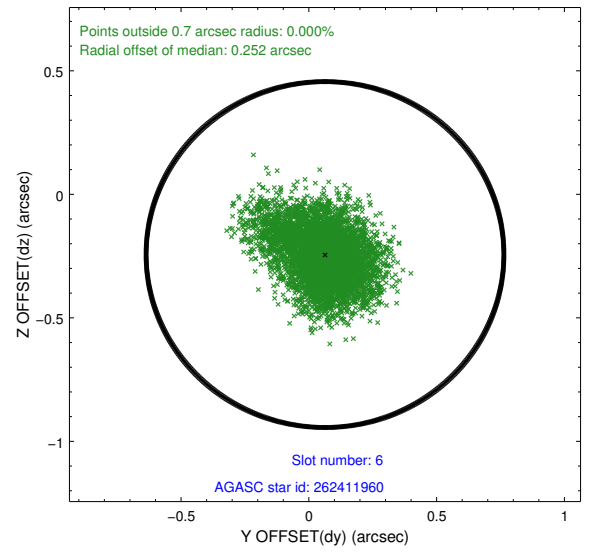
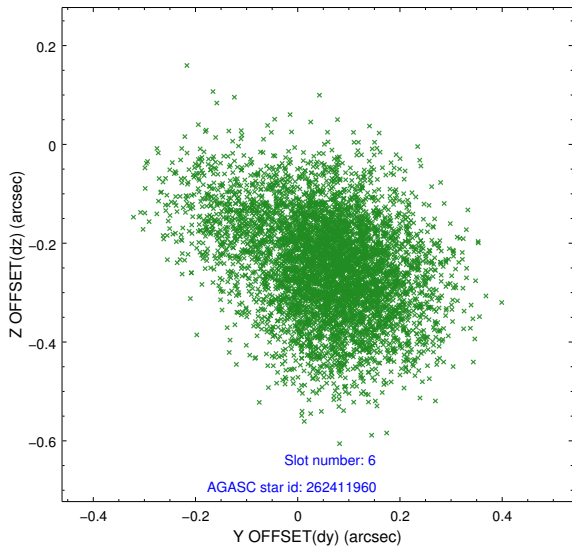
2.4.2 Slot 4



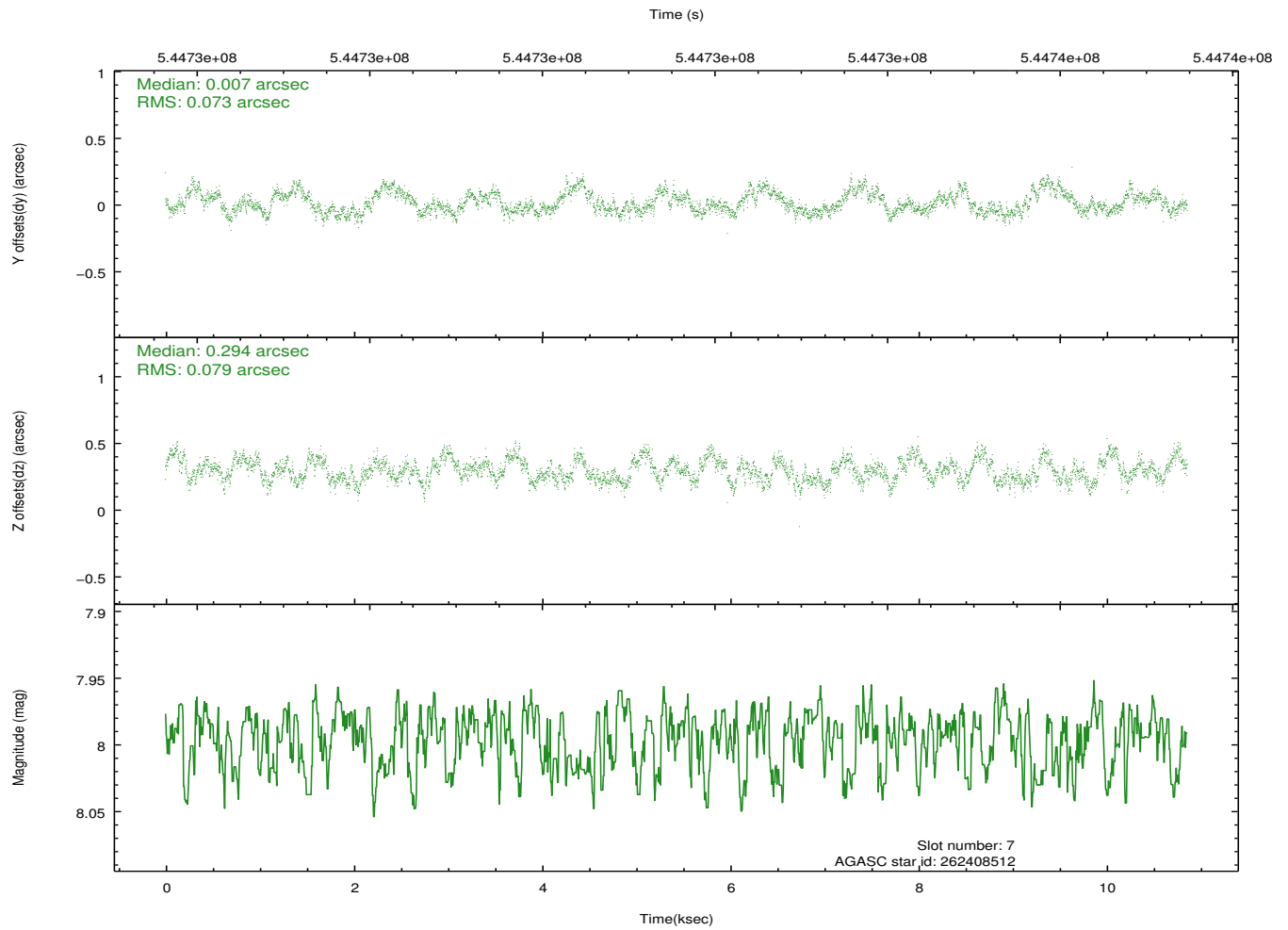
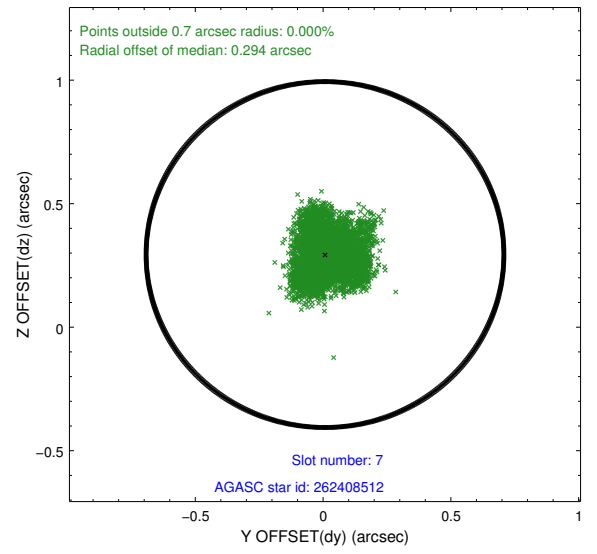
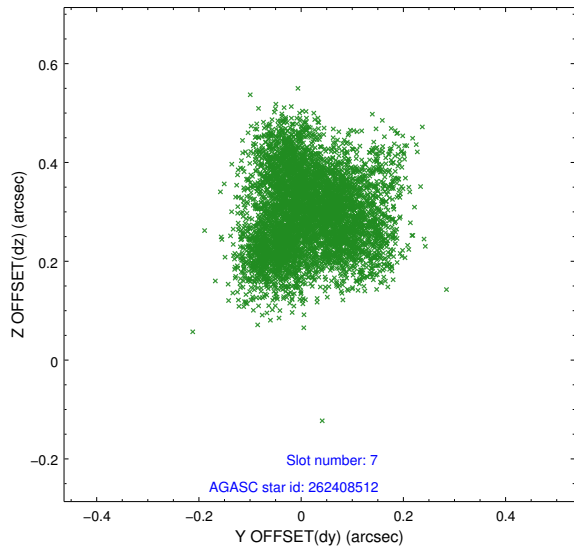
2.4.3 Slot 5



2.4.4 Slot 6

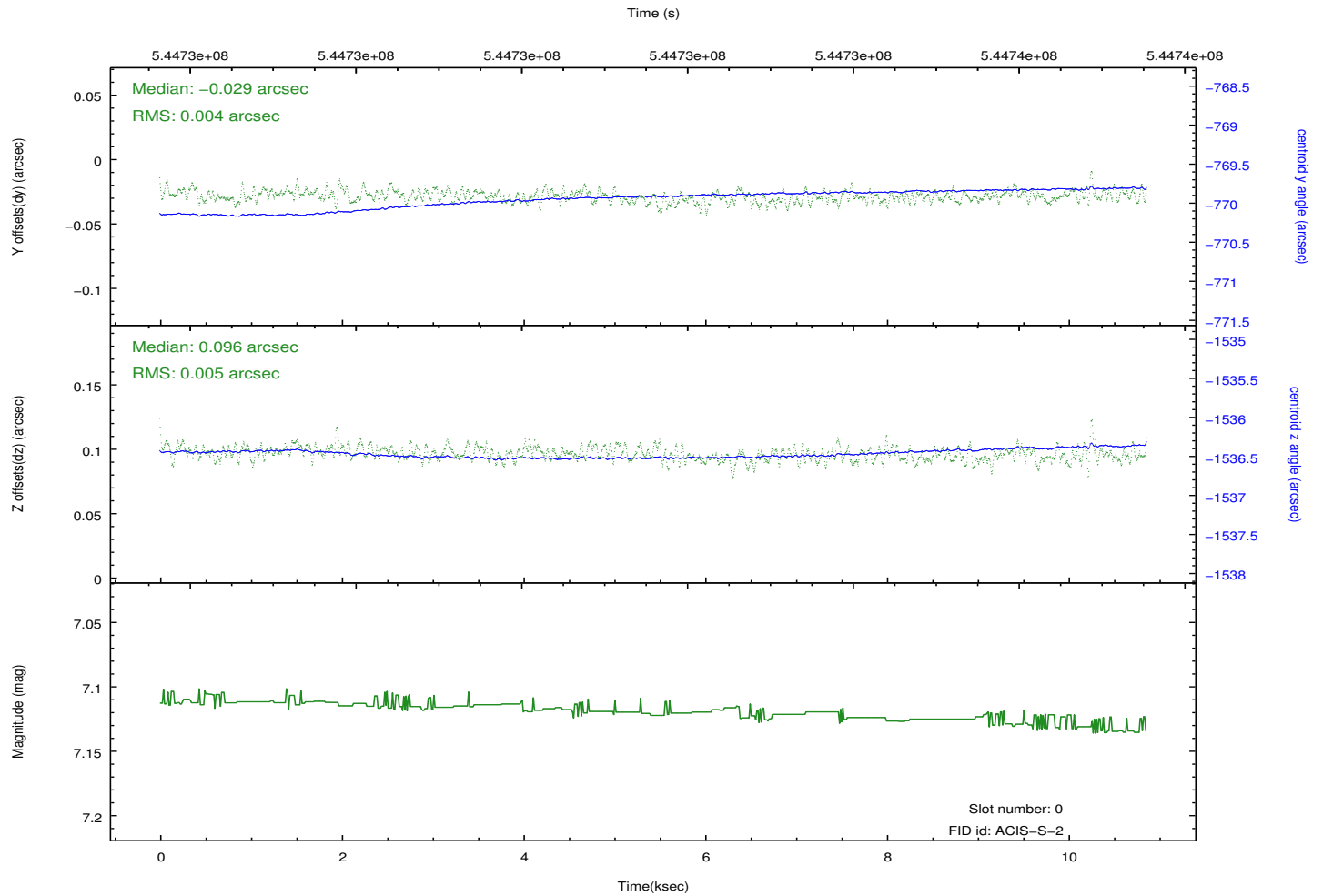
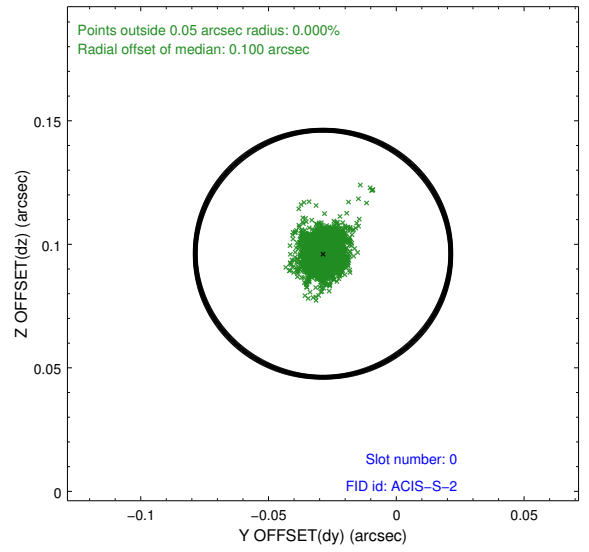
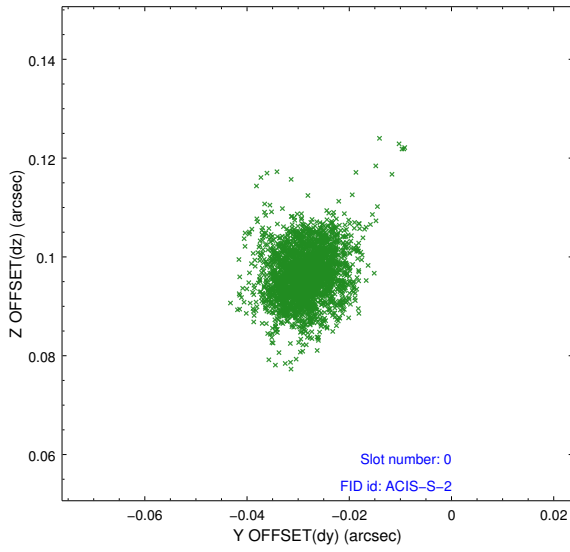


2.4.5 Slot 7

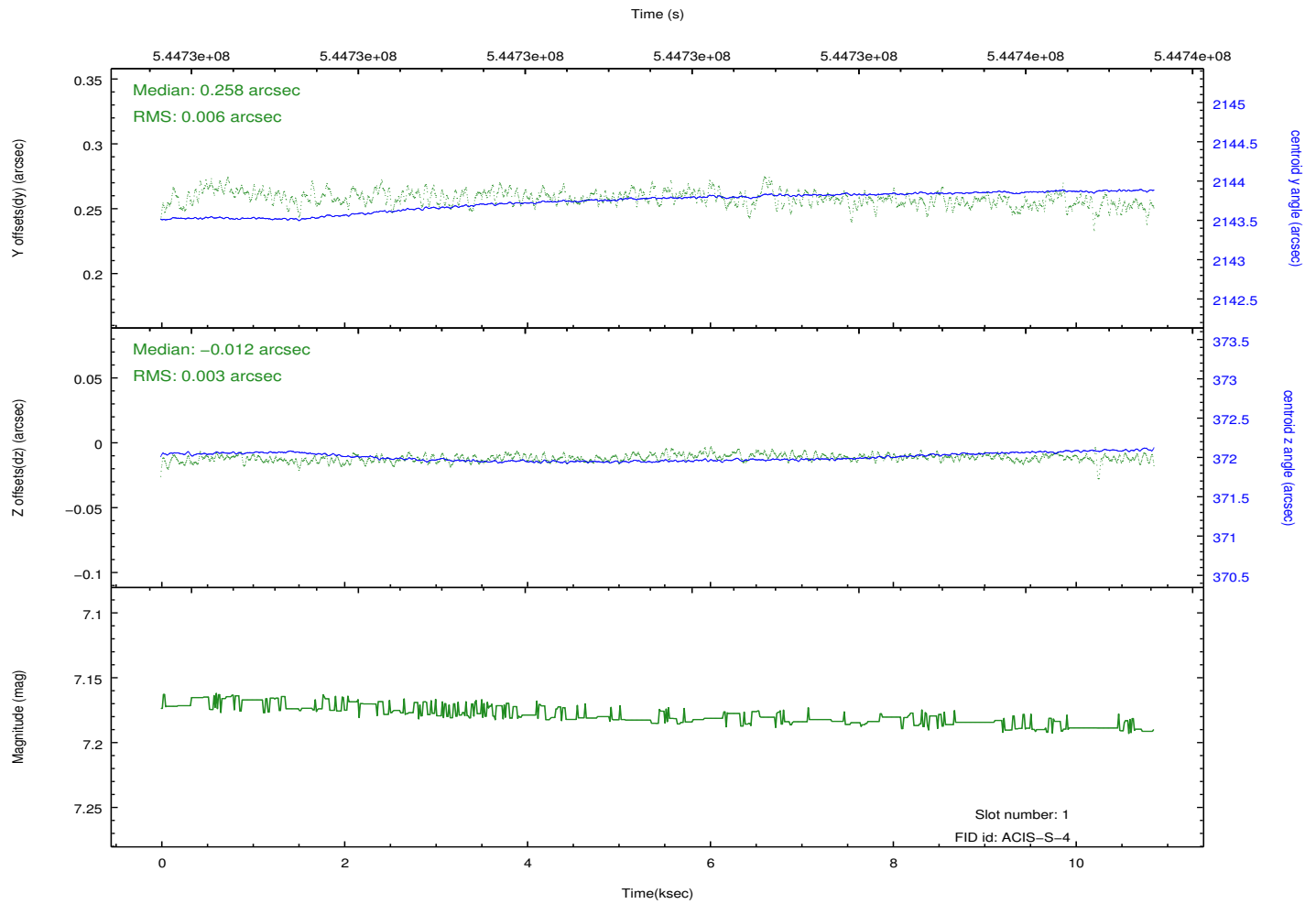
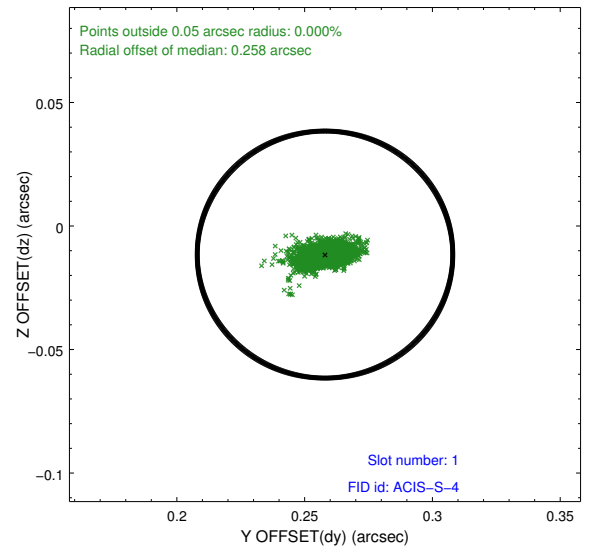
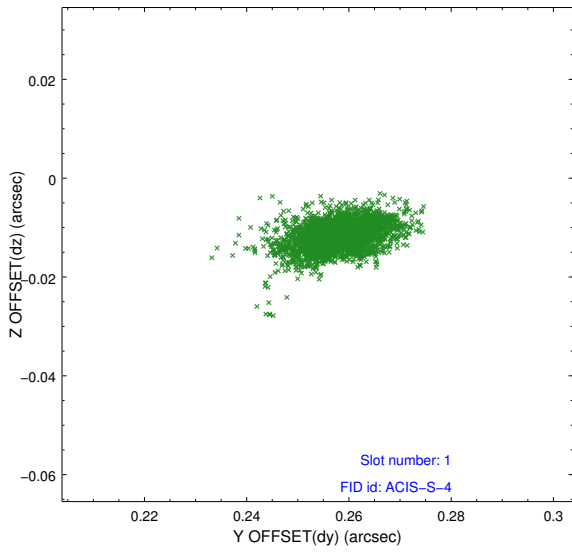


2.5 FID Slots

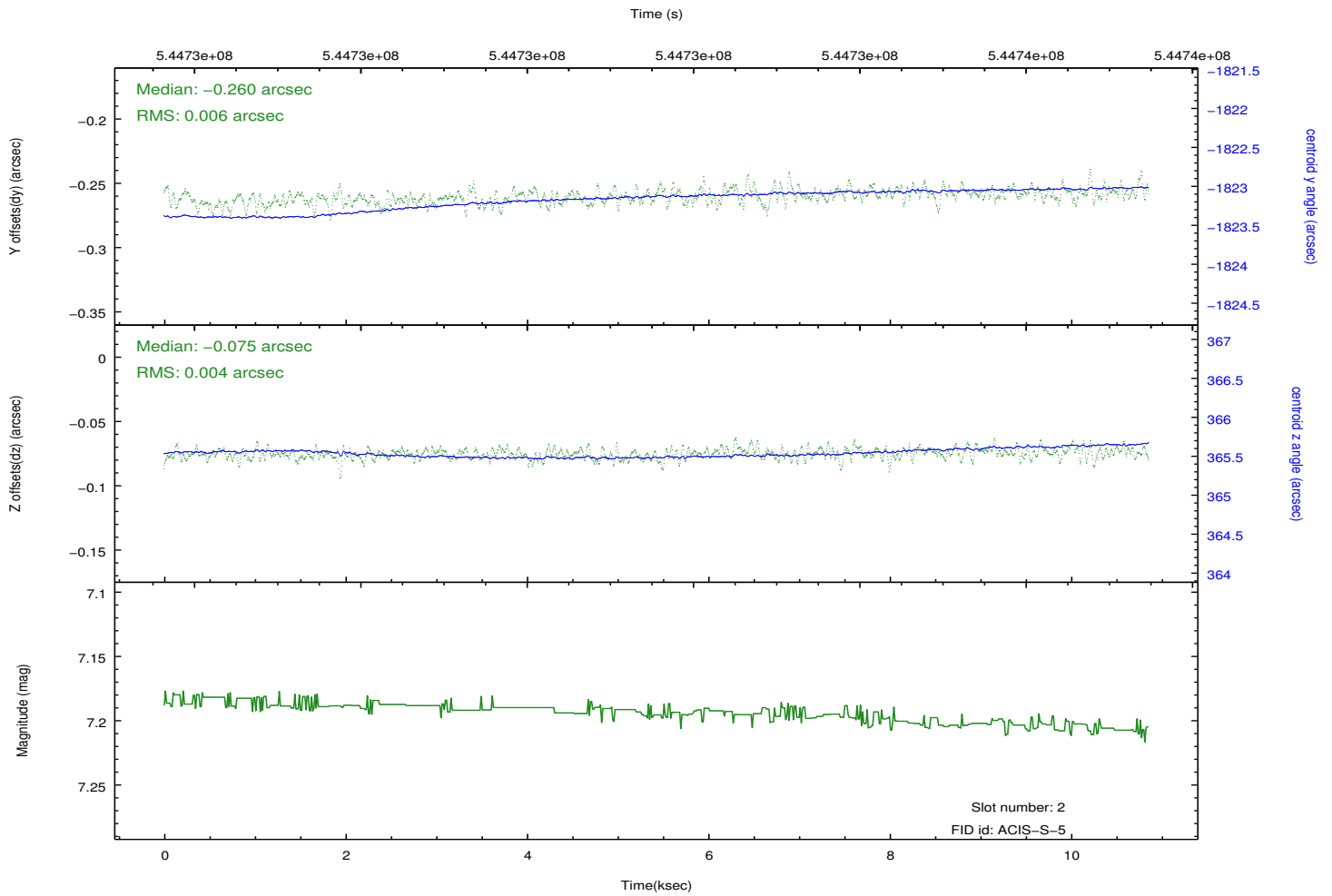
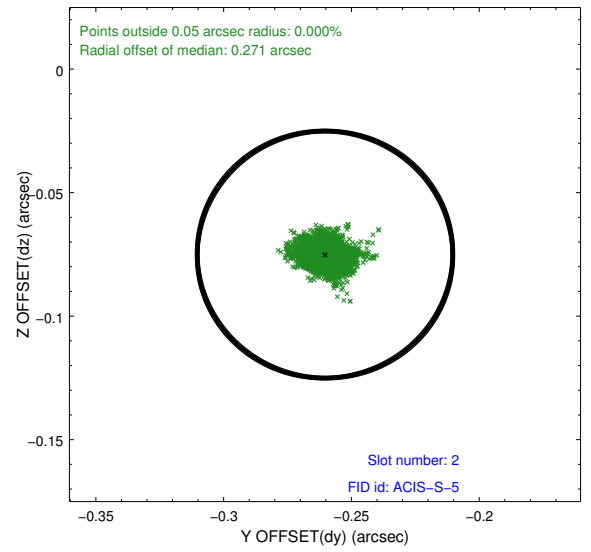
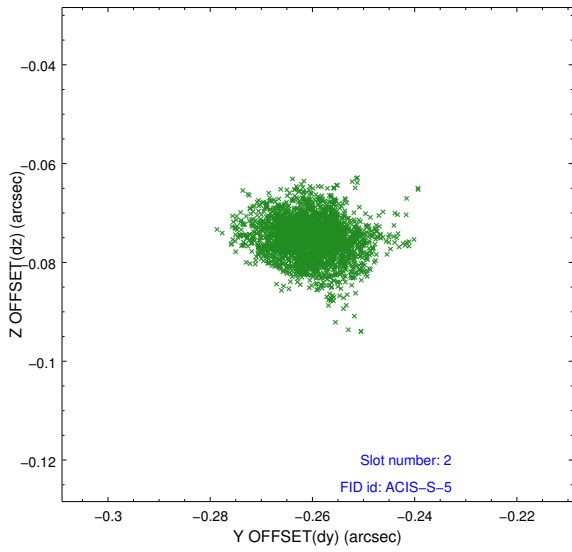
2.5.1 Slot 0



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)	2015.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.061258342624

A.2 Comments

Window constraint met.