

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18730 - L2 Version 1
Chandra X-Ray Center

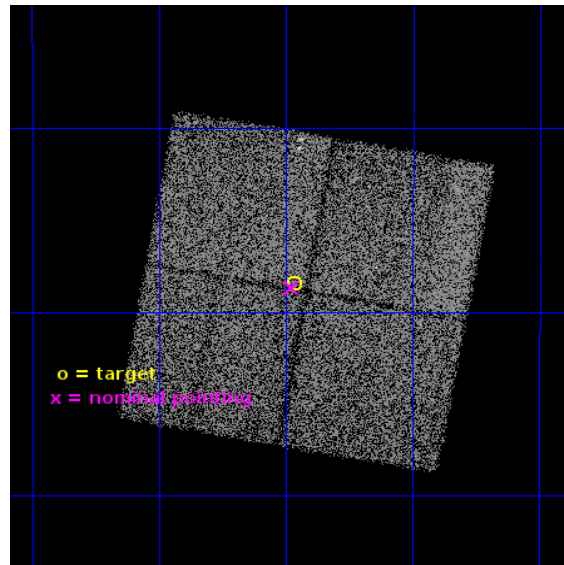
L2 Processing Date : Feb 3 2016

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1 Front

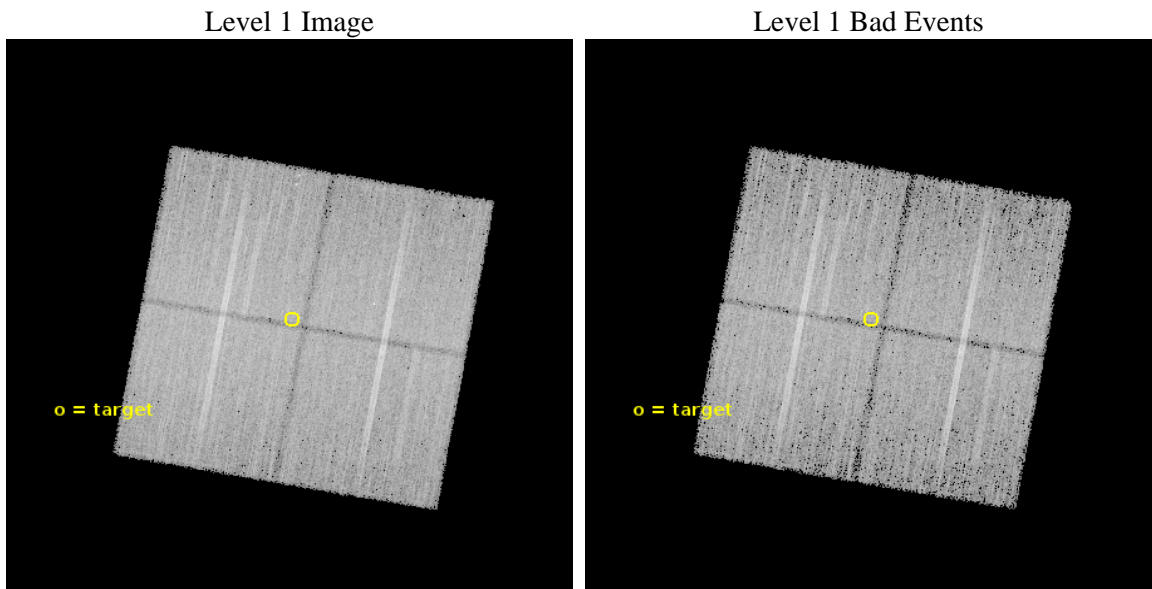
seq_num	901115	Sequence number
obs_id	18730	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. William Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.117083	Observer's specified target RA [deg]
dec_targ	-27.807333	Observer's specified target Dec [deg]
ra_nom	53.11977203572	Nominal RA [deg]
dec_nom	-27.811429511816	Nominal Dec [deg]
roll_nom	280.20993192272	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30076.159261107	Sum of GTIs [s]
livetime	29683.192098615	Livetime [s]
ontime0	30079.258277297	Sum of GTIs [s]
ontime1	30079.299317241	Sum of GTIs [s]
ontime2	30079.300231457	Sum of GTIs [s]
ontime3	30076.159261107	Sum of GTIs [s]
l2events	69051	Number of level 2 events



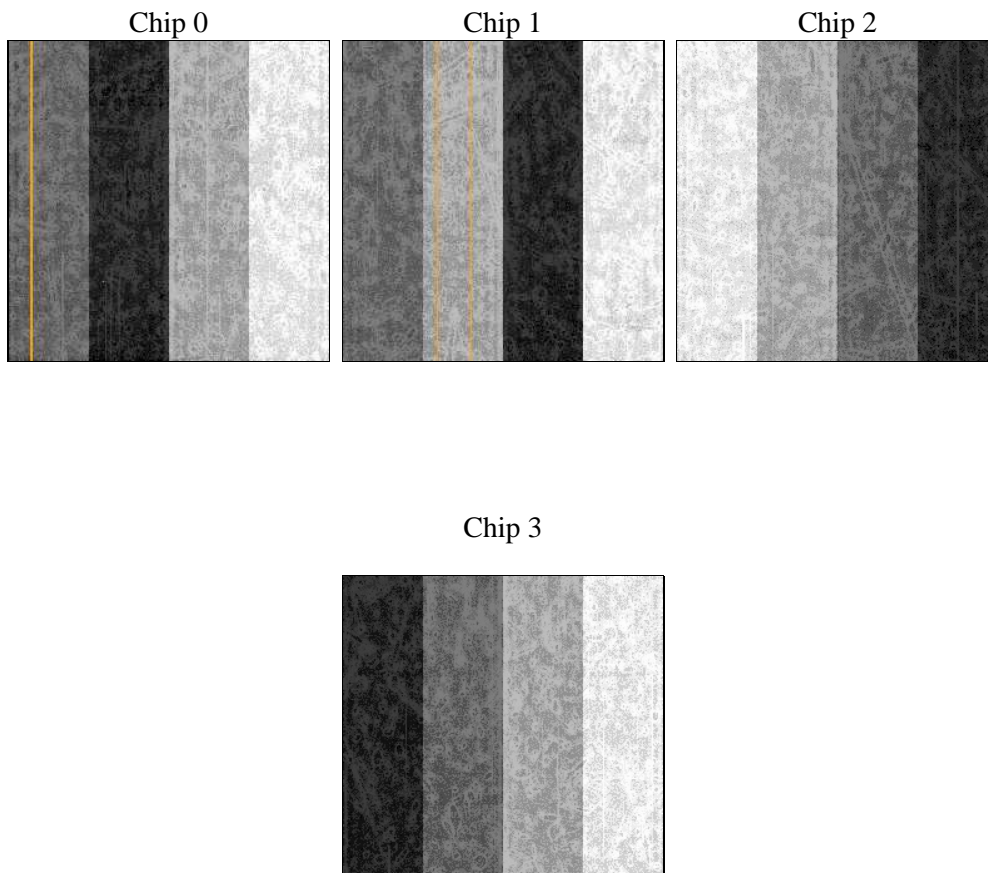
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	30076.159261107	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	30079.258277297	Sum of GTIs [s]
date	2016-02-03T12:10:04	Date and time of file creation	ontime1	30079.299317241	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	30079.300231457	Sum of GTIs [s]
			ontime3	30076.159261107	Sum of GTIs [s]
			l1events	706059	Number of level 1 events

2.1.4 Events

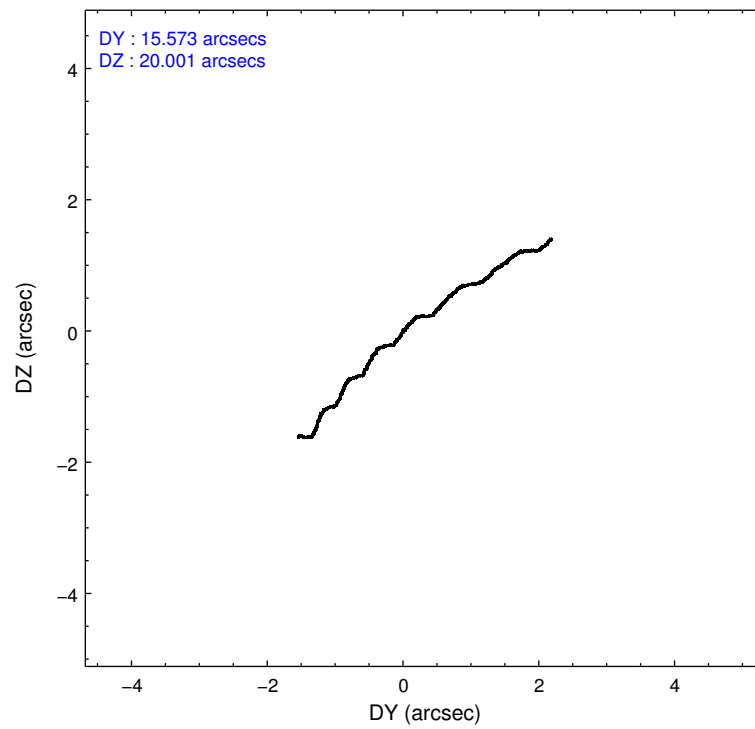
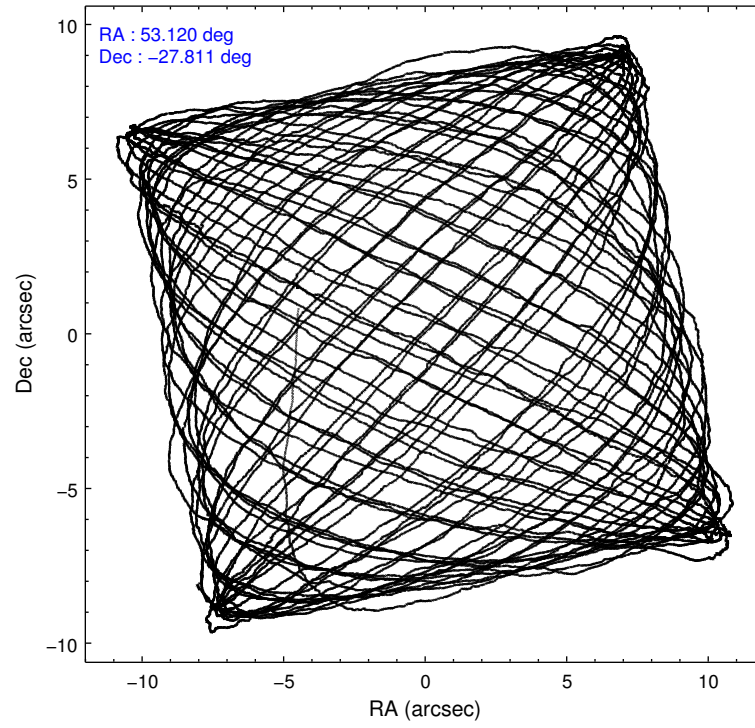
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	164950	172223	184567	184319
rejected events	144985	148923	164894	164193
rejected %	87%	86%	89%	89%

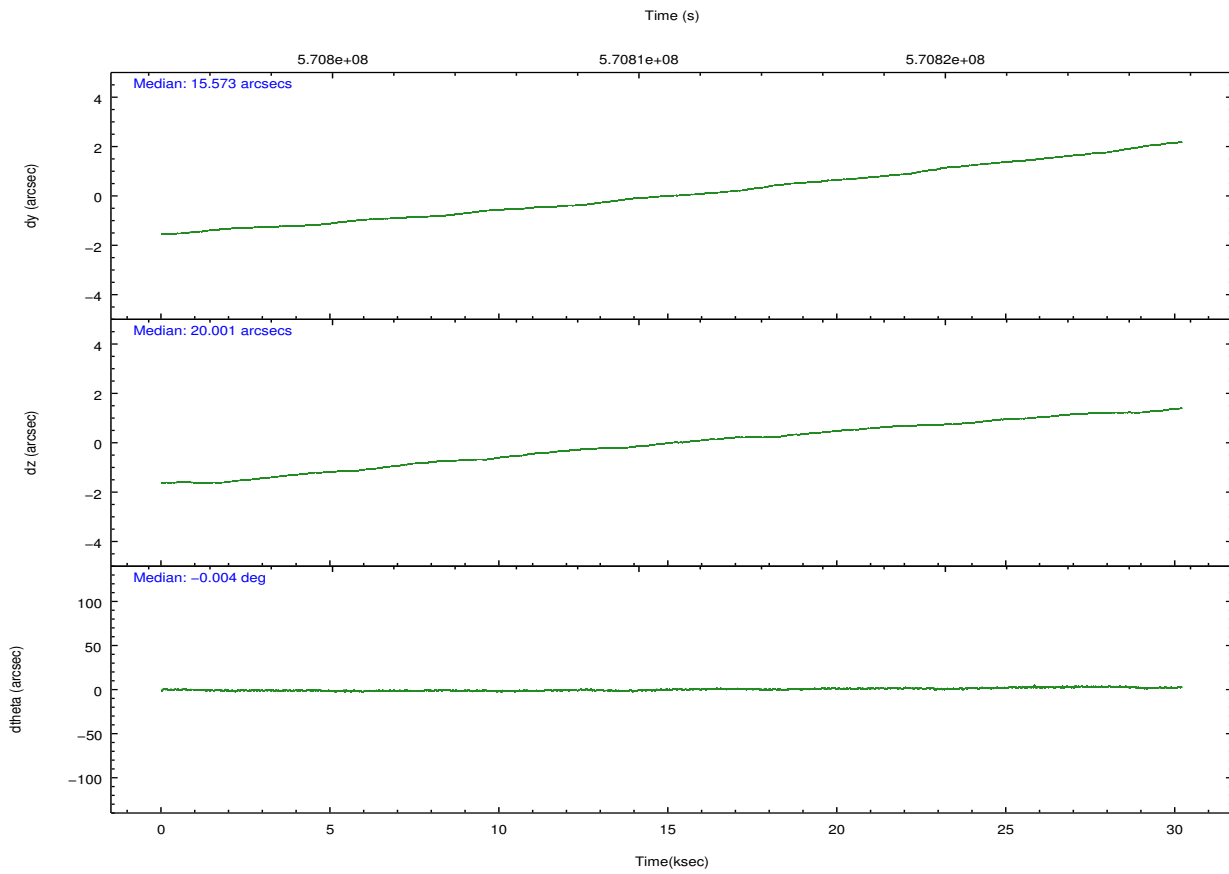
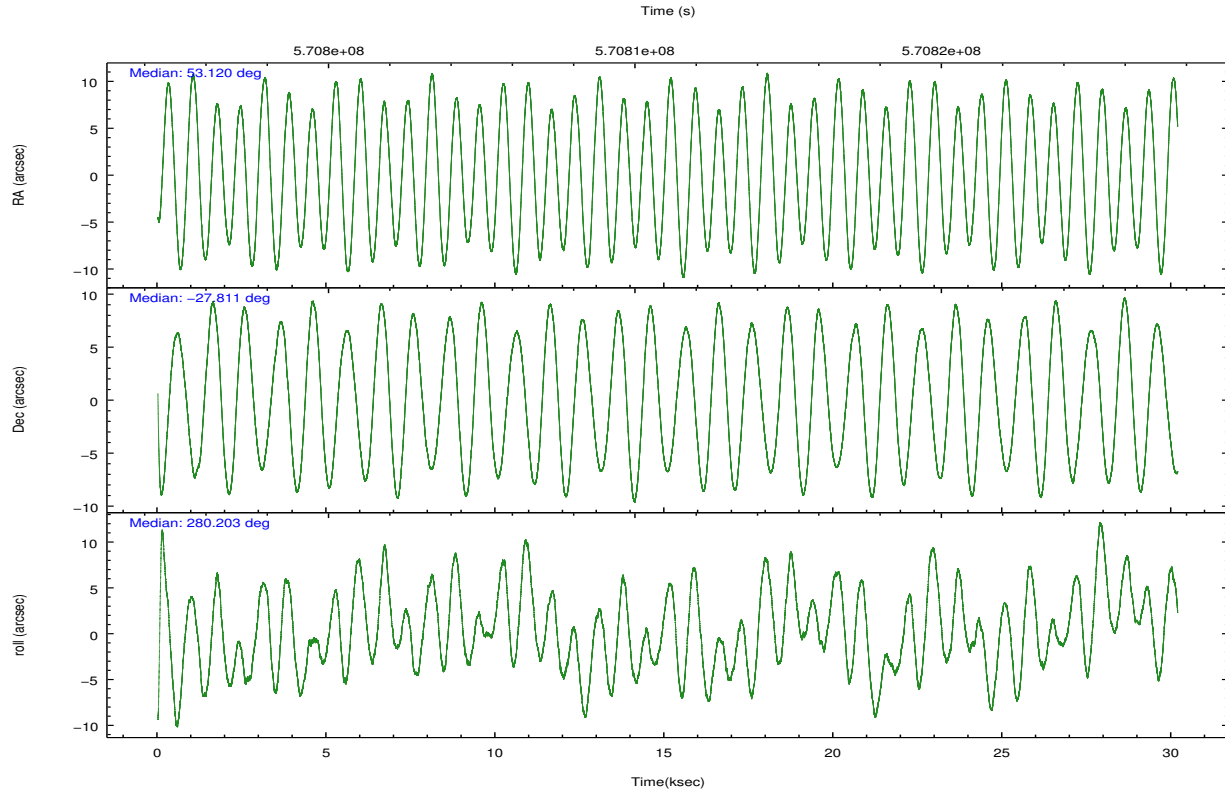
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	6752	8036	6769	7325
	4%	4%	3%	3%
grade 1 events	88	70	93	111
	0%	0%	0%	0%
grade 2 events	5117	5874	4911	4404
	3%	3%	2%	2%
grade 3 events	2065	2160	2060	2210
	1%	1%	1%	1%
grade 4 events	1938	2255	2081	2023
	1%	1%	1%	1%
grade 5 events	7786	8541	7635	9170
	4%	4%	4%	4%
grade 6 events	4097	4977	3856	4171
	2%	2%	2%	2%
grade 7 events	137107	140310	157162	154905
	83%	81%	85%	84%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	53.099539	53.11977203571966	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.790407	-27.81142951181552	Alternating exposures requested	N	N
[deg] Pointing Roll	279.991816	280.2099319227226	[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)	570796175.184000	570795112.27393			
Observation start date	2016-02-02T10:28:27	2016-02-02T10:11:52			
[s] Observation end time (MET)	570826175.184000	570827114.82574			
Observation end date	2016-02-02T18:48:27	2016-02-02T19:05:14			
Read mode	TIMED	TIMED			

2.3 Aspect





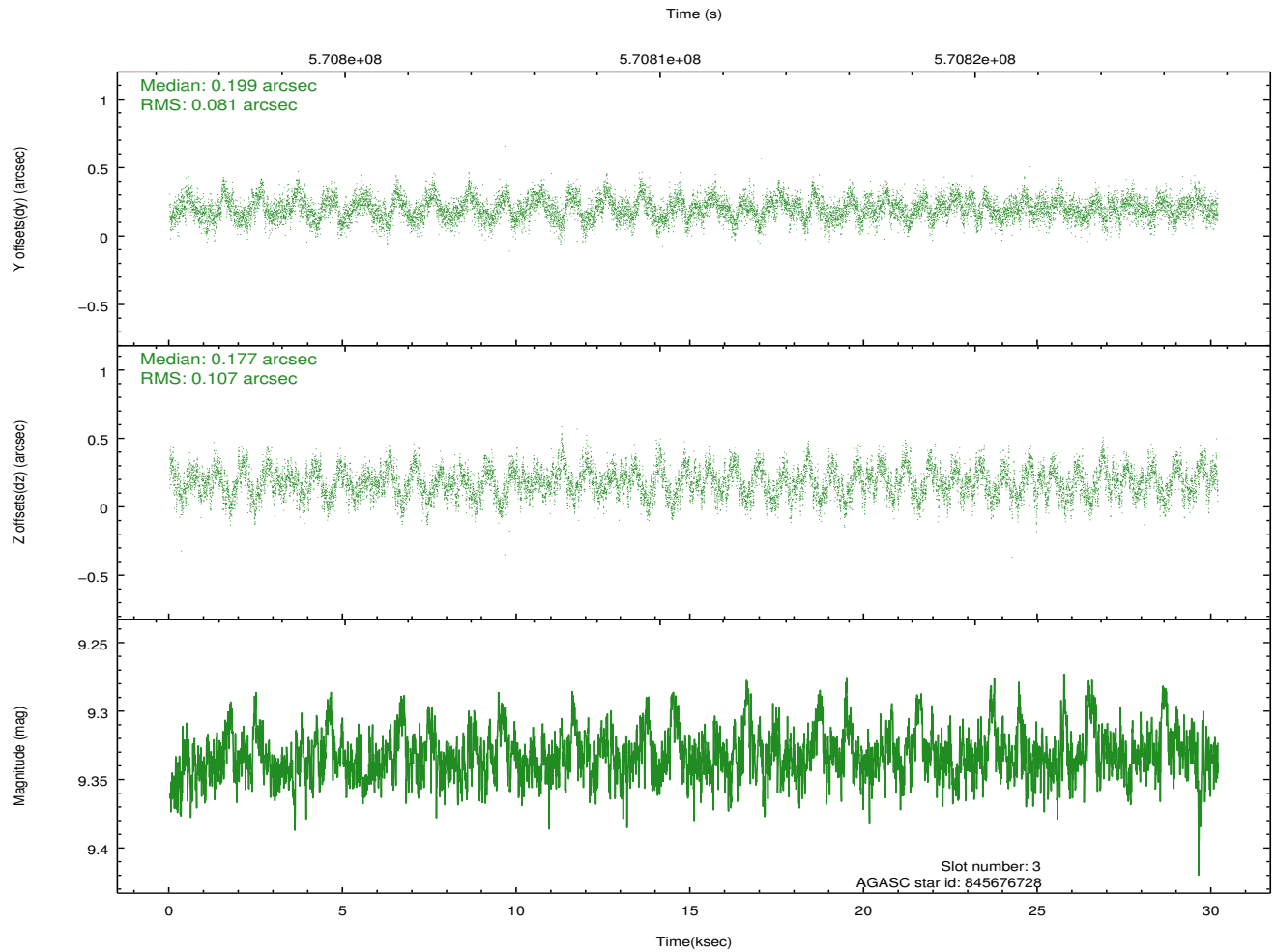
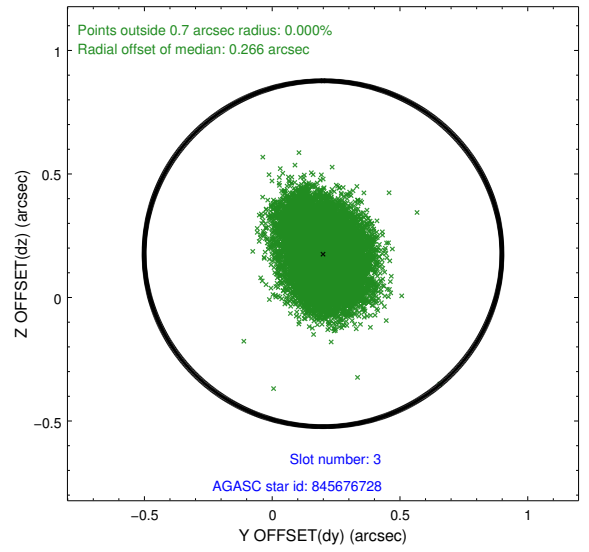
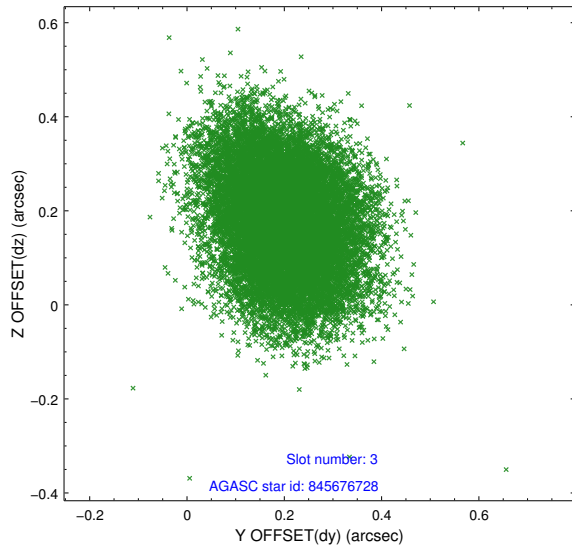
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.24	7361	0.073	-0.040	0.037	0.062	0.000000	0.000000	923.86	-843.66
1	FID		ACIS-I-5	7.25	7361	-0.341	0.042	0.023	0.042	0.000000	0.000000	-1824.69	1053.79
2	FID		ACIS-I-6	7.25	7361	0.176	0.074	0.028	0.045	0.000000	0.000000	389.34	1698.47
3	GUIDE	used	845676728	9.33	14711	0.199	0.177	0.144	0.230	52.877179	-27.664318	-568.77	-619.42
4	GUIDE	used	845676936	9.45	14702	0.081	-0.027	0.186	0.307	52.843773	-27.880153	178.23	-857.11
5	GUIDE	used	845683408	9.21	14698	-0.014	0.101	0.168	0.274	52.484531	-28.338862	1612.22	-2262.29
6	GUIDE	used	845807880	8.77	14712	-0.297	-0.084	0.094	0.158	53.382027	-27.886093	496.33	825.17
7	GUIDE	used	845814592	9.00	14715	0.029	-0.151	0.106	0.168	53.853010	-28.336603	2360.76	2010.83

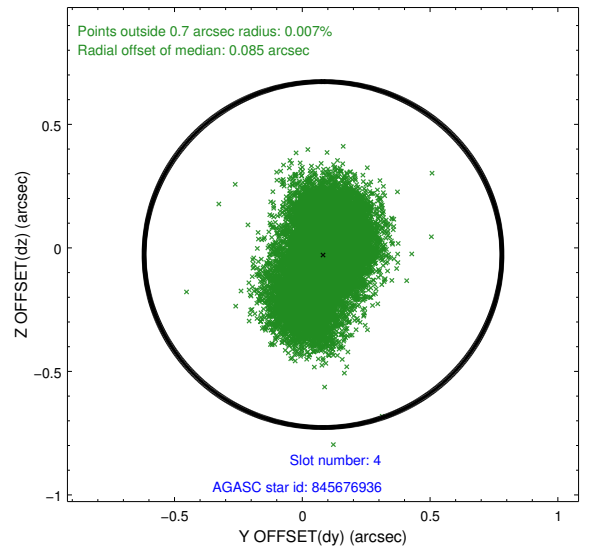
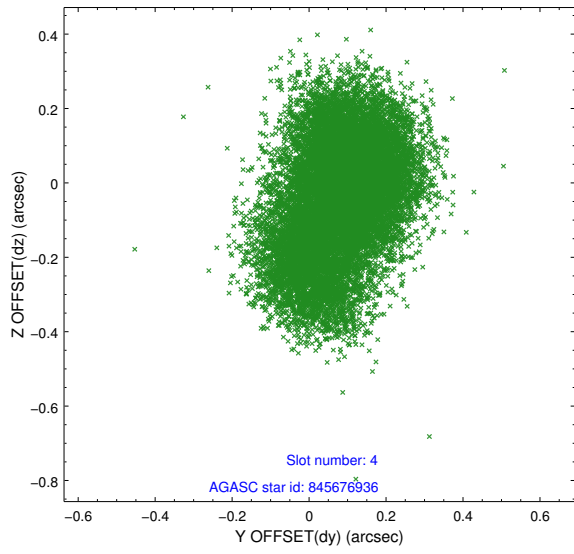
∞

2.4 Star Slots

2.4.1 Slot 3



2.4.2 Slot 4

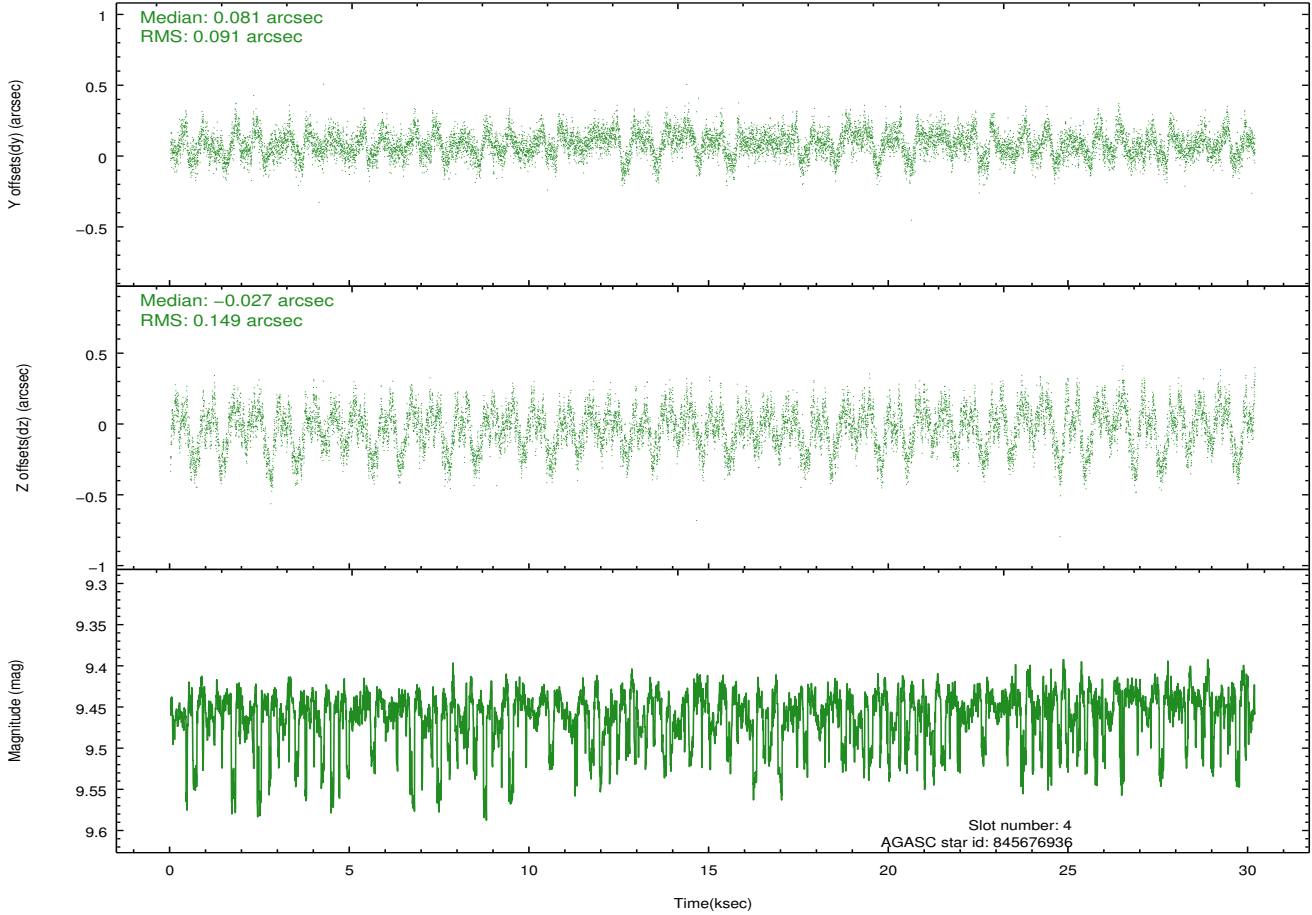


Time (s)

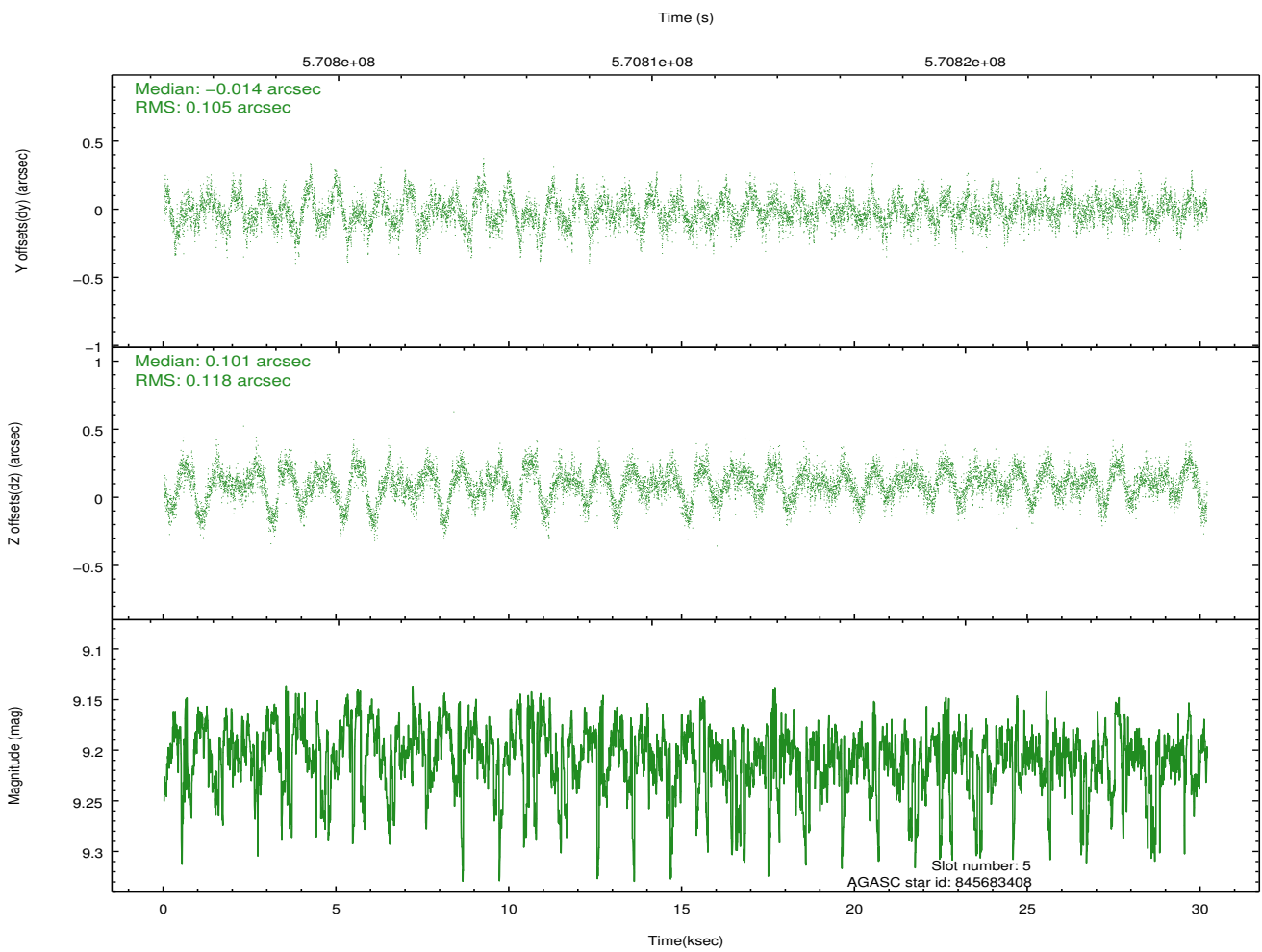
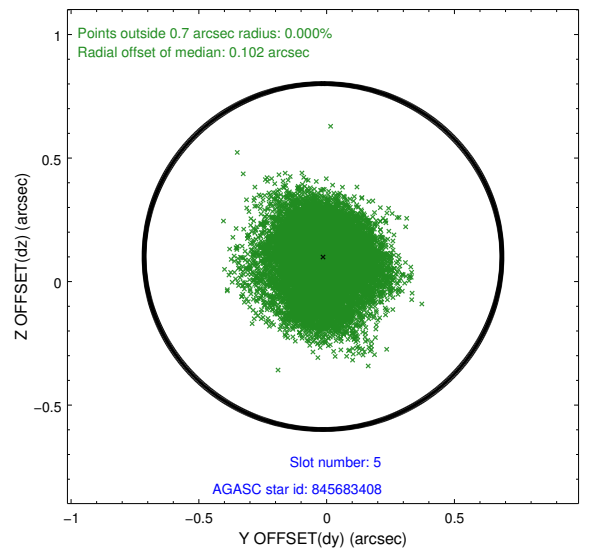
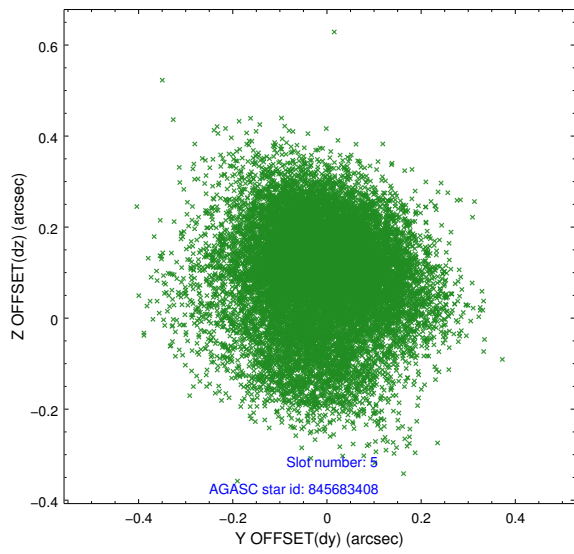
5.708e+08

5.7081e+08

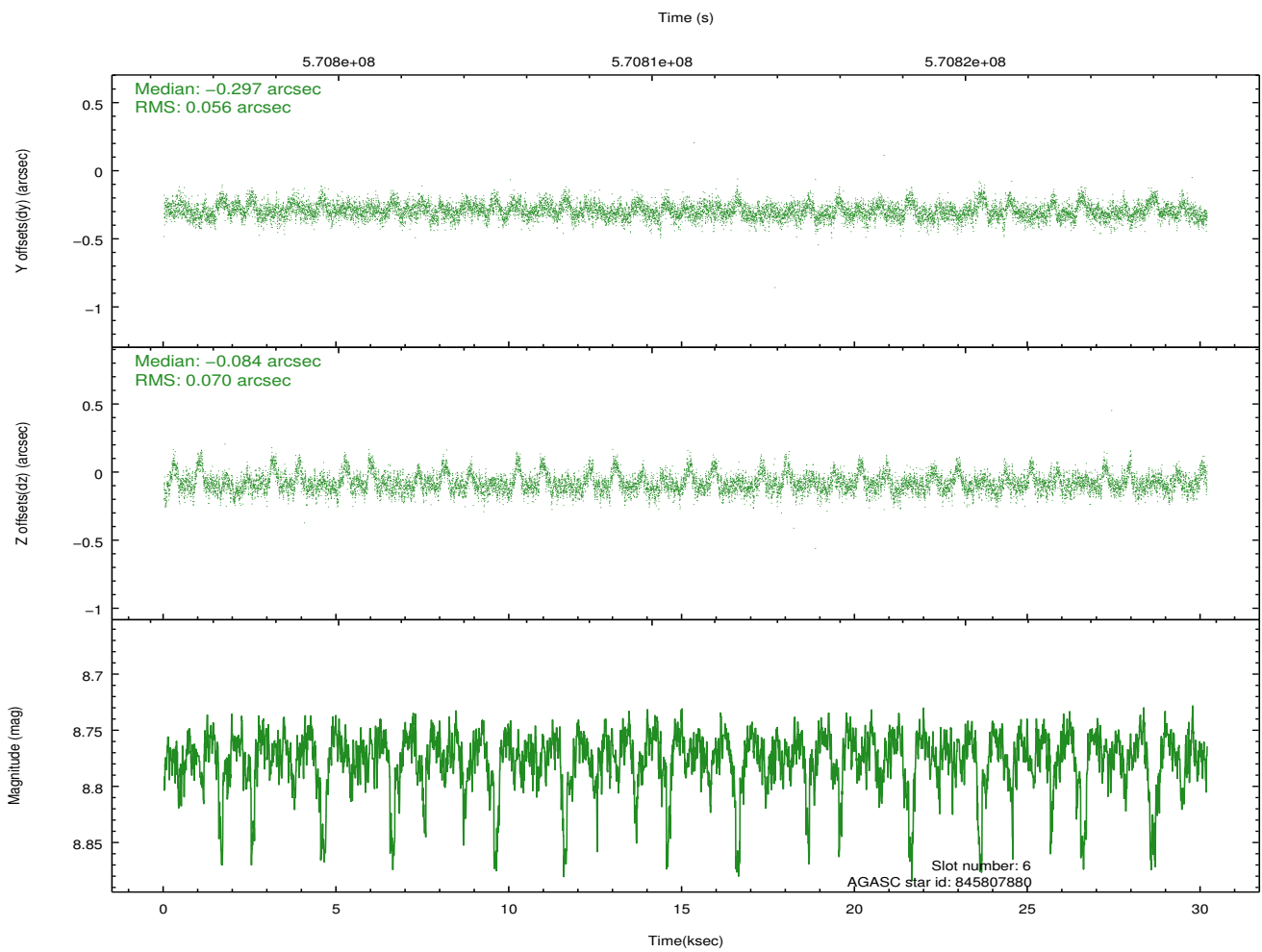
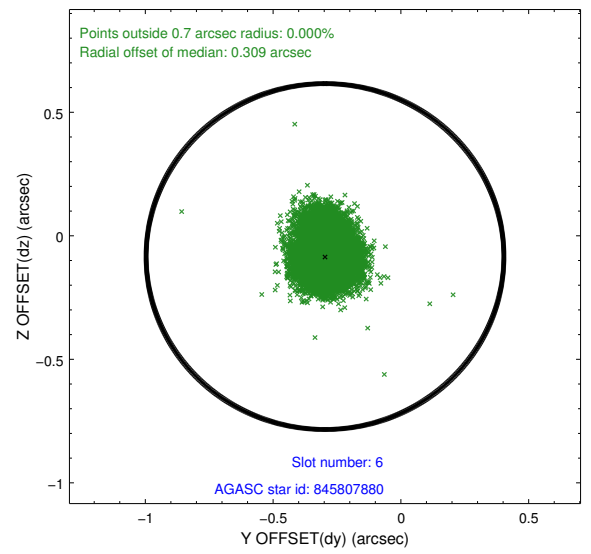
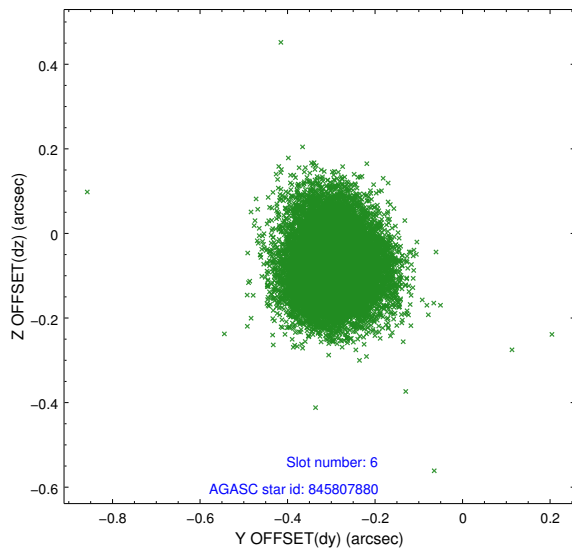
5.7082e+08



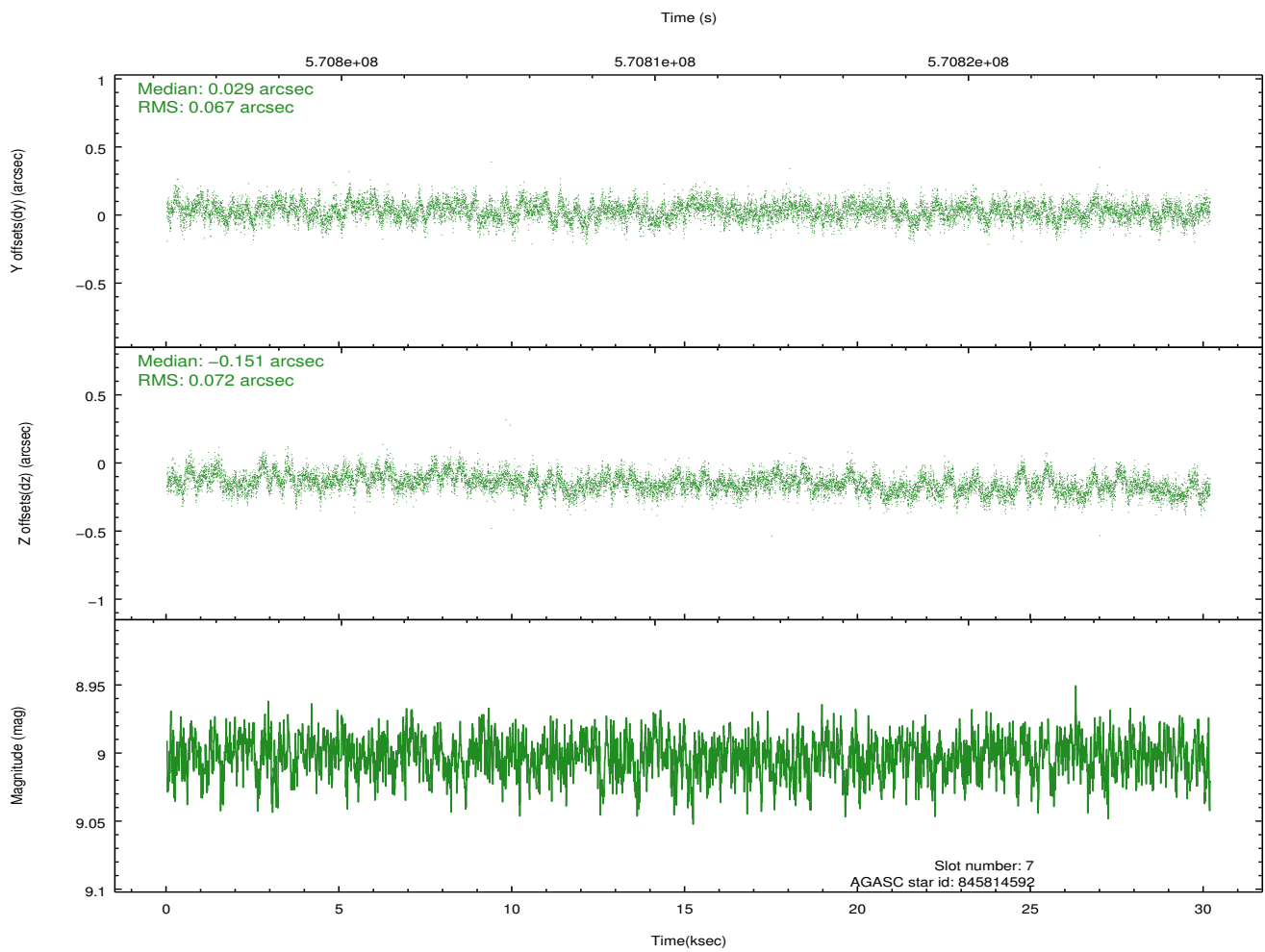
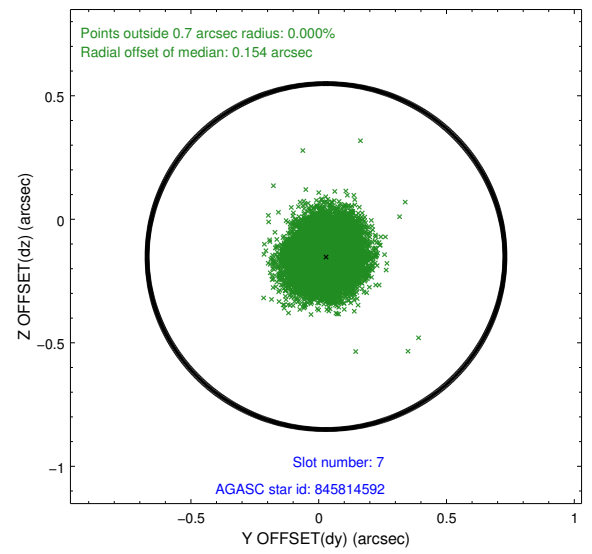
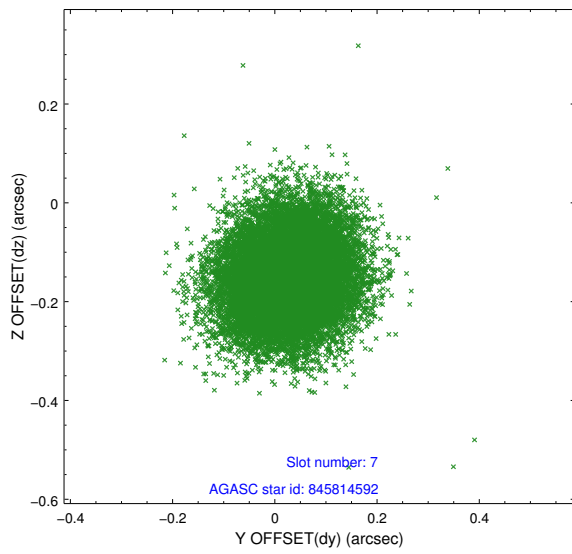
2.4.3 Slot 5



2.4.4 Slot 6

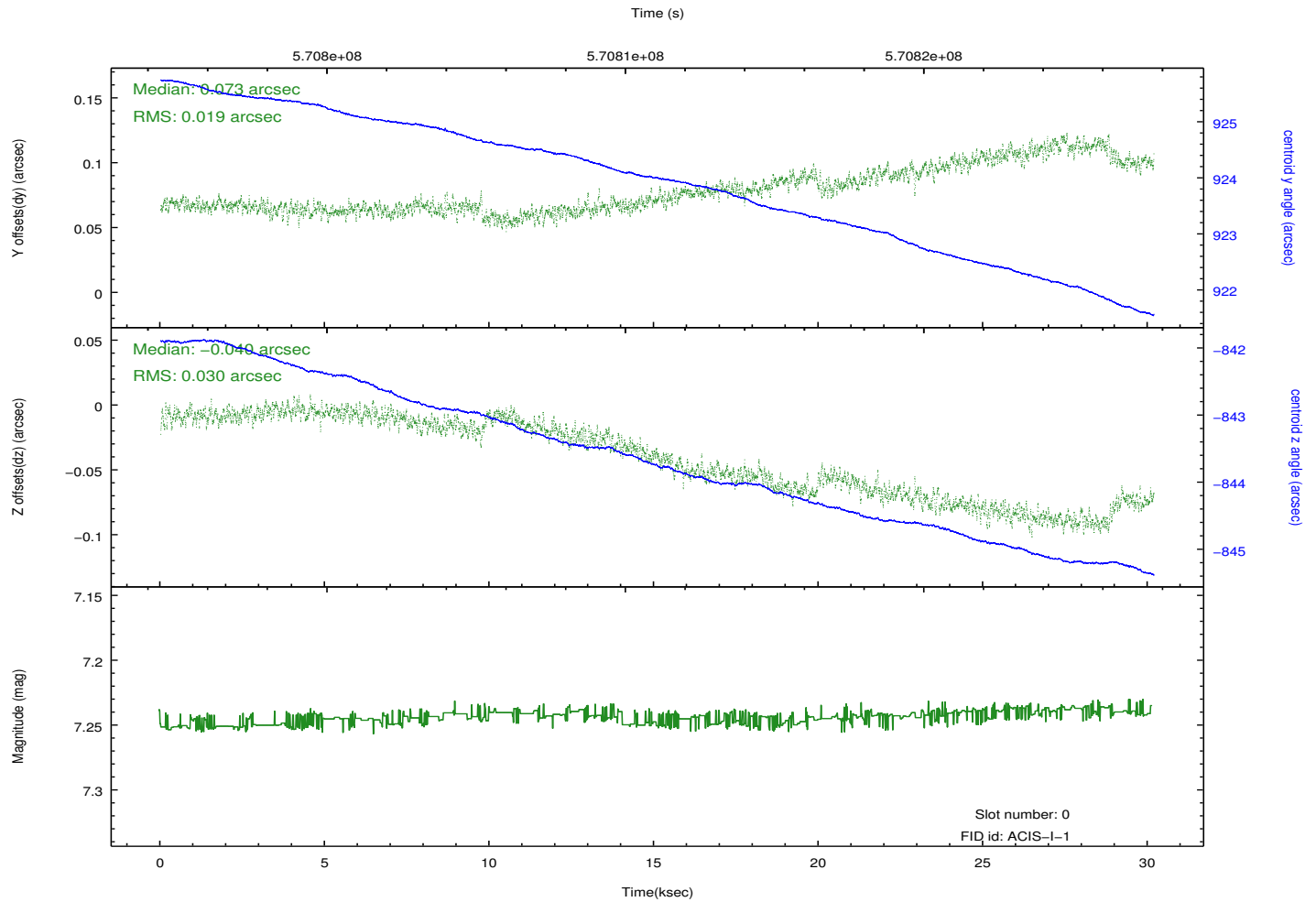
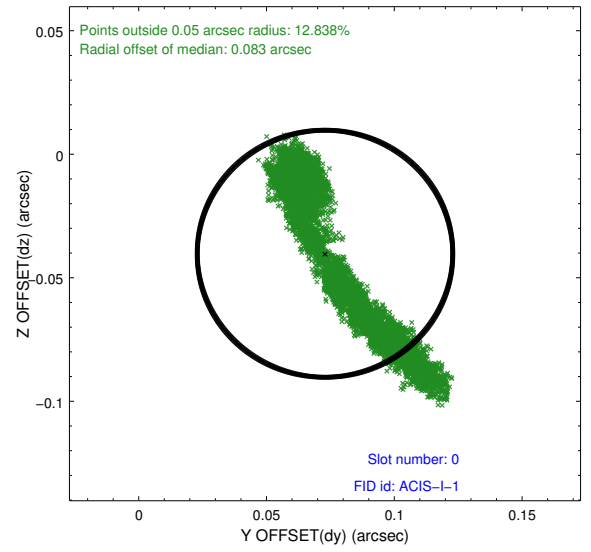
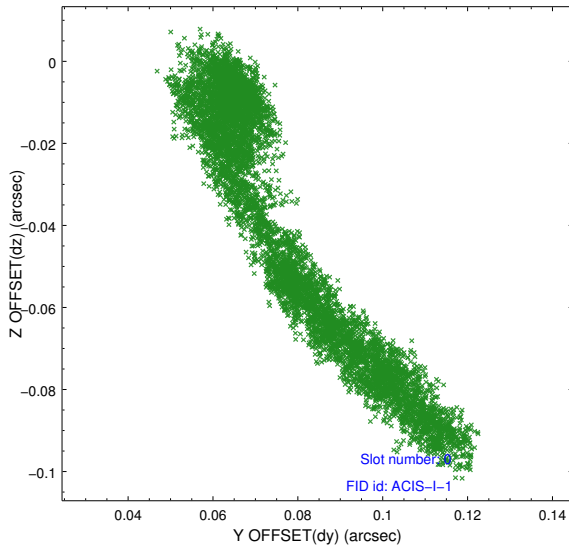


2.4.5 Slot 7

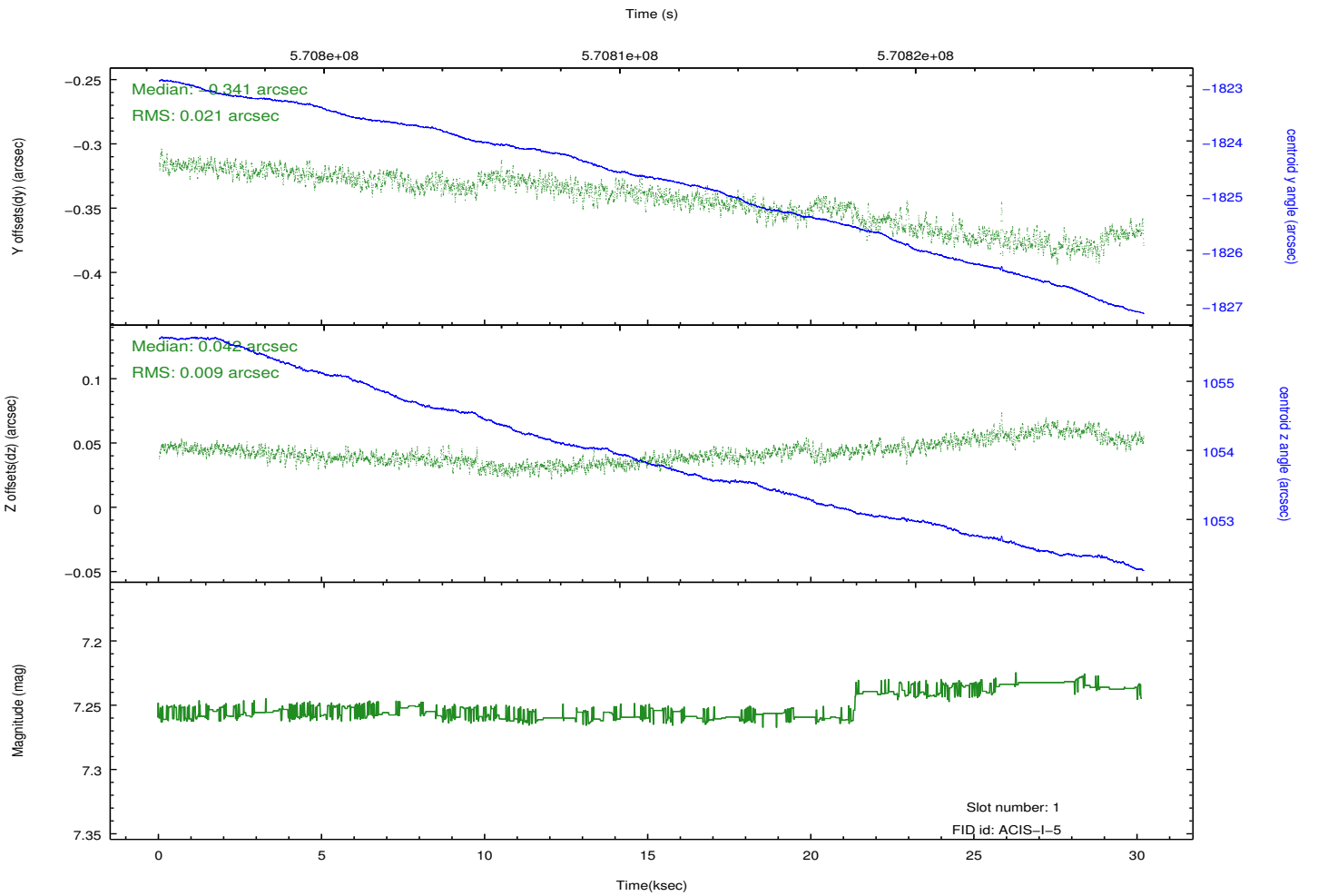
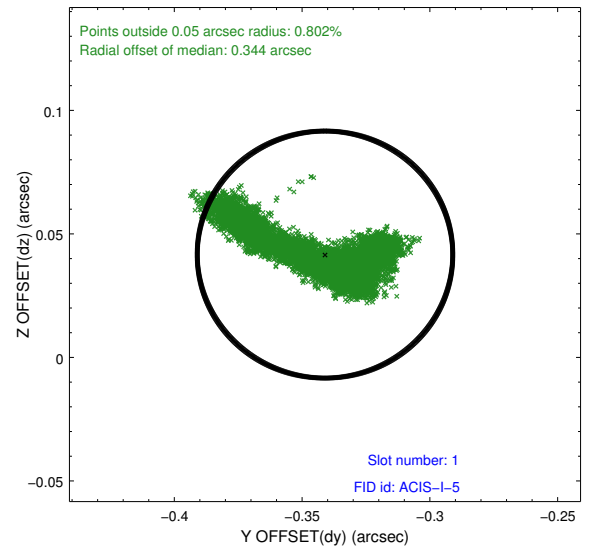
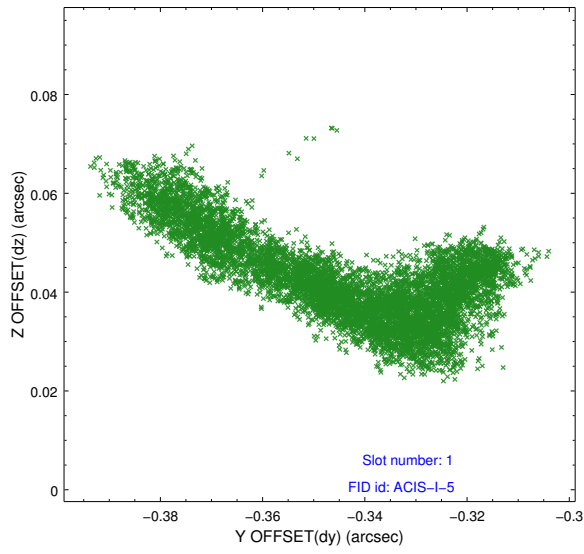


2.5 FID Slots

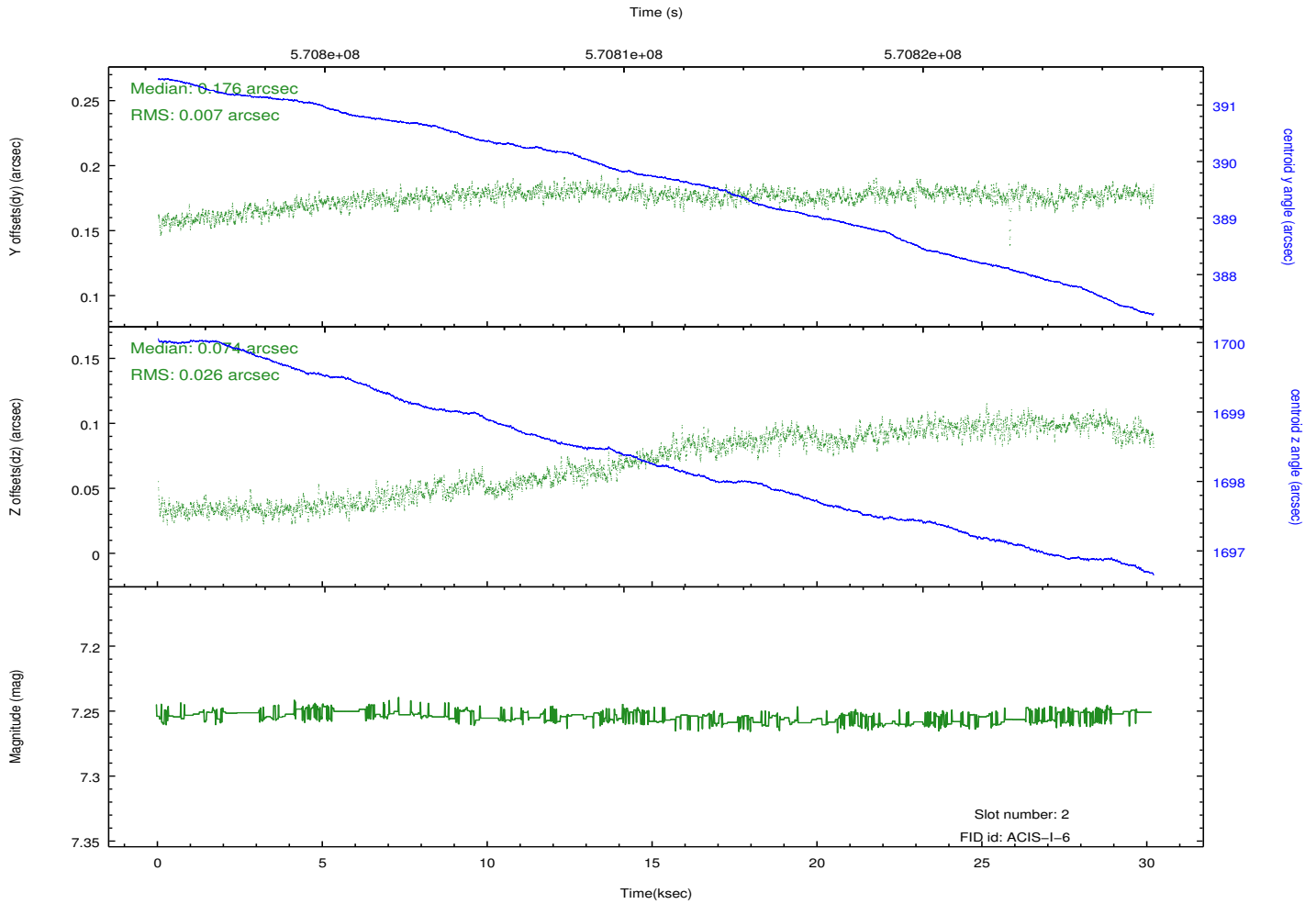
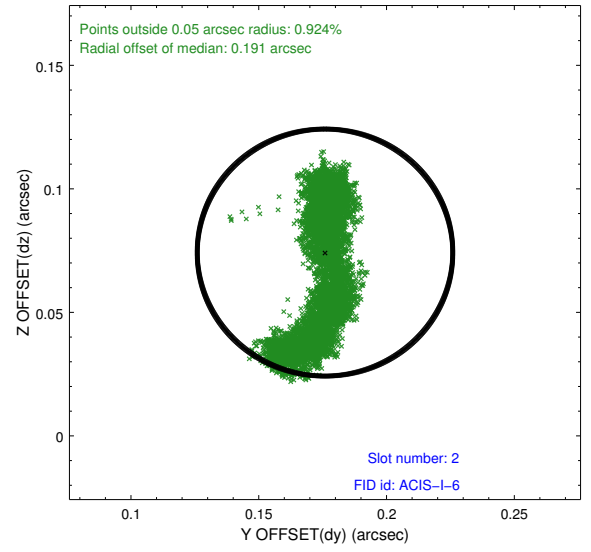
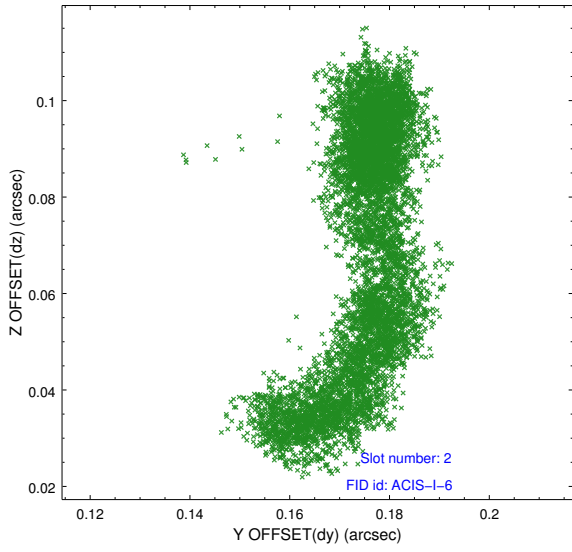
2.5.1 Slot 0



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)	2016.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.076159261107

A.2 Comments