

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10538 - L2 Version 2
Chandra X-Ray Center

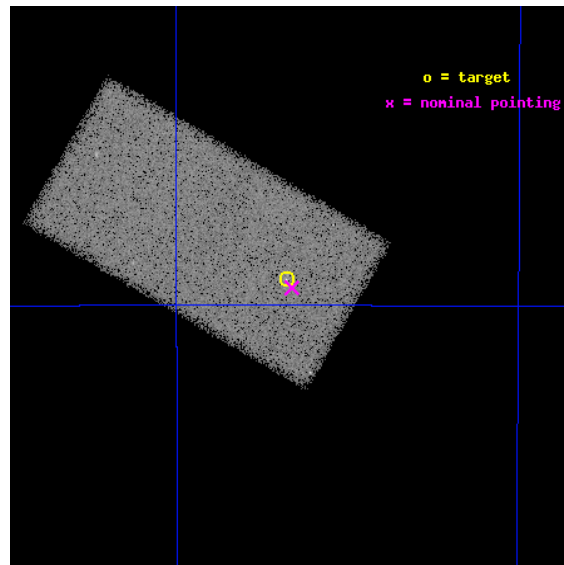
L2 Processing Date : Jun 18 2012

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1 Front

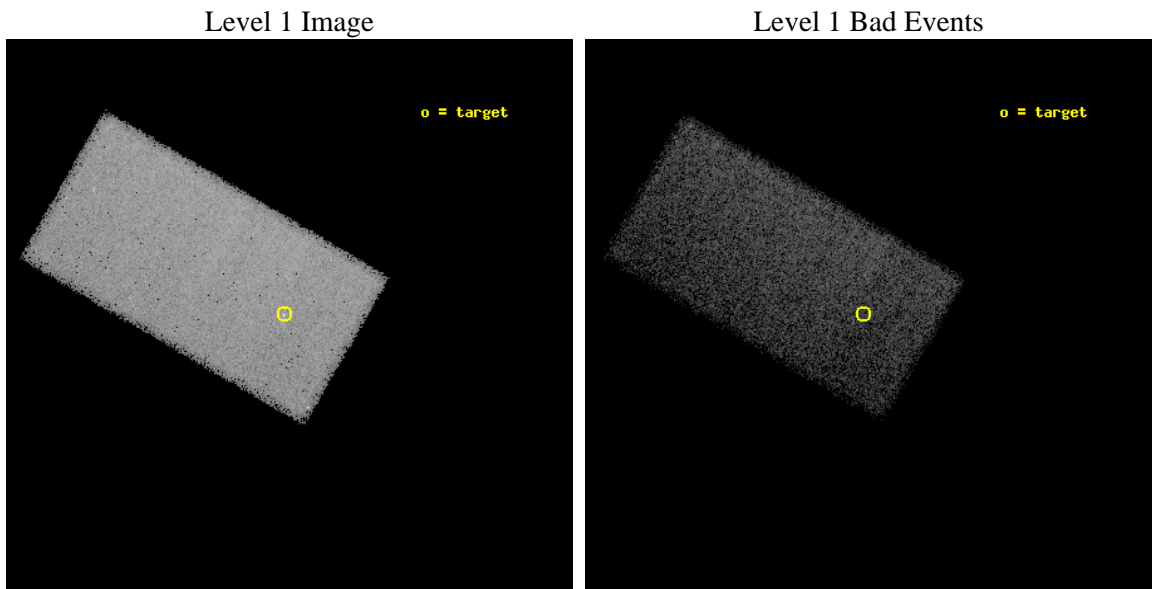
seq_num	600731	Sequence number
obs_id	10538	Observation id
title	Merger-Induced X-ray Emission in the Superantennae	Proposal title
observer	Dr. Andrew Ptak	Principal investigator
object	Superantennae	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	292.839167	Observer's specified target RA [deg]
dec_targ	-72.655	Observer's specified target Dec [deg]
ra_nom	292.83146277716	Nominal RA [deg]
dec_nom	-72.659272896288	Nominal Dec [deg]
roll_nom	210.14926336134	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29851.5	Sum of GTIs [s]
livetime	29056.5137829	Livetime [s]
ontime7	29851.5	Sum of GTIs [s]
l2events	99468	Number of level 2 events



2 OBI

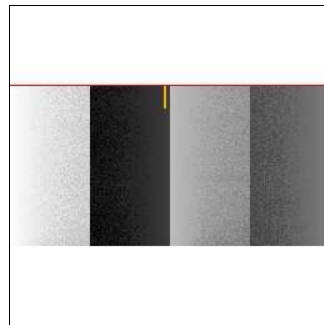
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29701.321000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29851.5	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	29851.5	Sum of GTIs [s]
date	2012-06-18T06:24:42	Date and time of file creation	l1events	238943	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

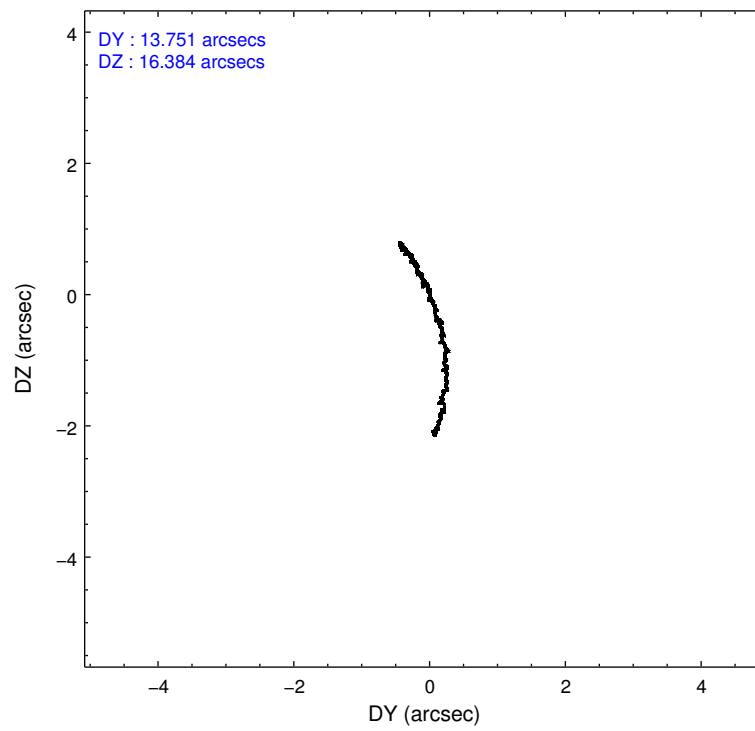
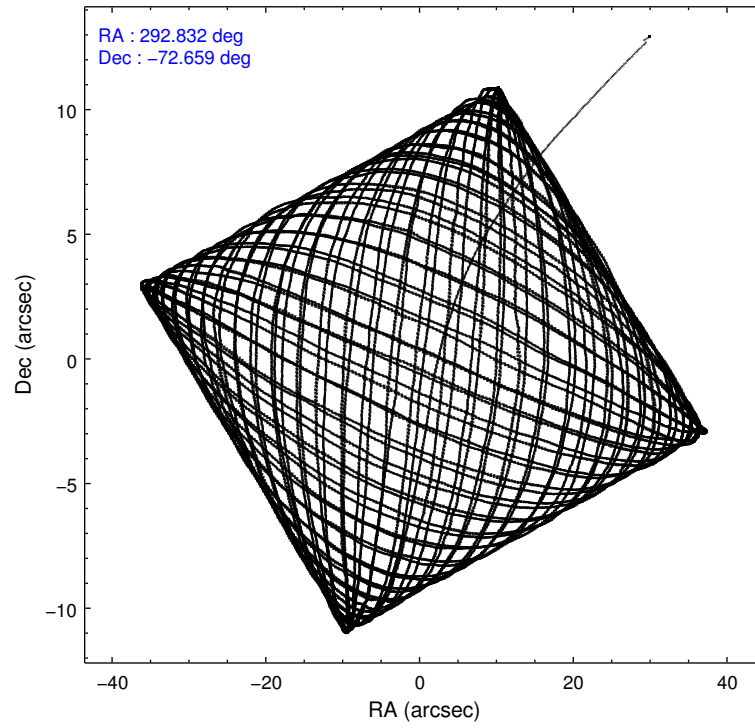
	ccd 7
level 1 events	238943
rejected events	136981
rejected %	57%

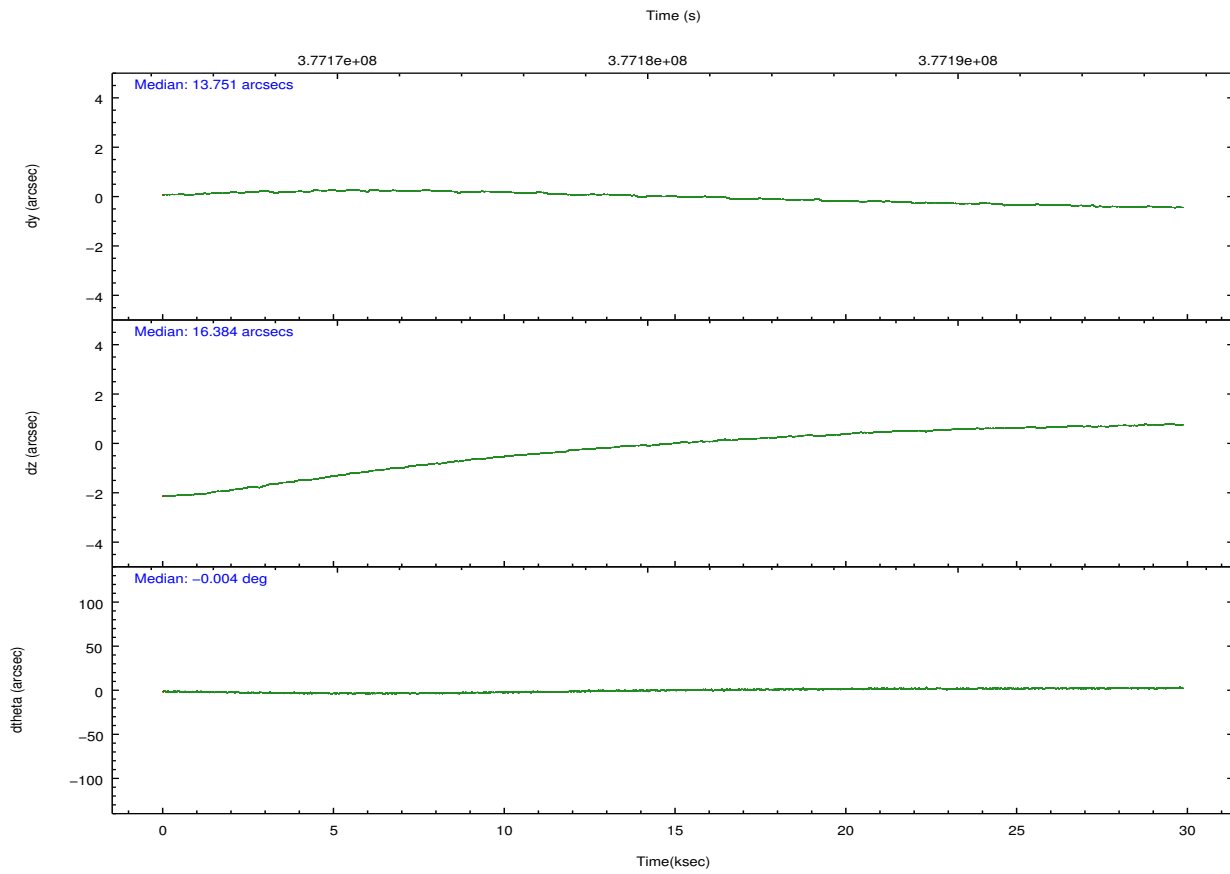
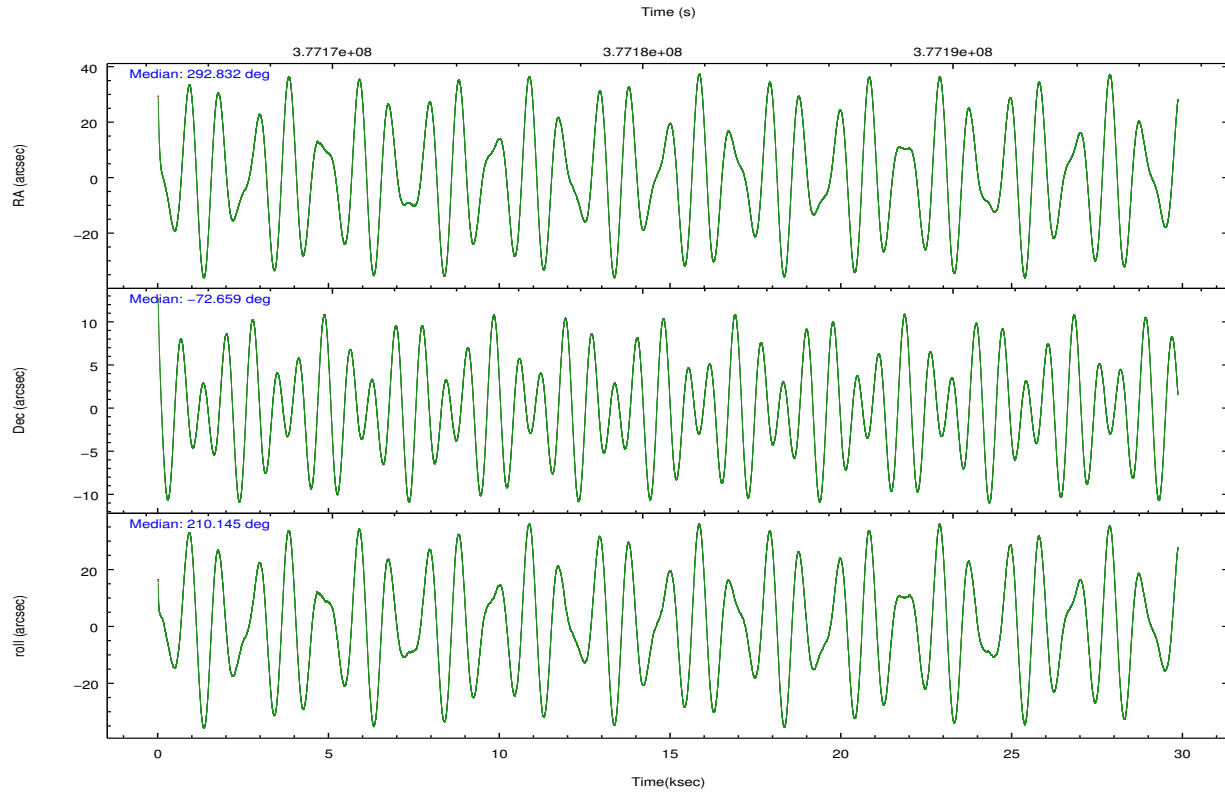
	ccd 7
grade 0 events	10117
	4%
grade 1 events	262
	0%
grade 2 events	21780
	9%
grade 3 events	10062
	4%
grade 4 events	9922
	4%
grade 5 events	22599
	9%
grade 6 events	53731
	22%
grade 7 events	110470
	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	292.875997	292.8314627771648	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-72.635377	-72.65927289628763	Subarray start row	257	257
[deg] Pointing Roll	210.035156	210.1492633613366	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	377166056.184000	377164816.78456			
Observation start date	2009-12-14T08:19:50	2009-12-14T08:00:16			
[s] Observation end time (MET)	377195758.184000	377195981.91114			
Observation end date	2009-12-14T16:34:52	2009-12-14T16:39:41			
Read mode	TIMED	TIMED			

2.3 Aspect



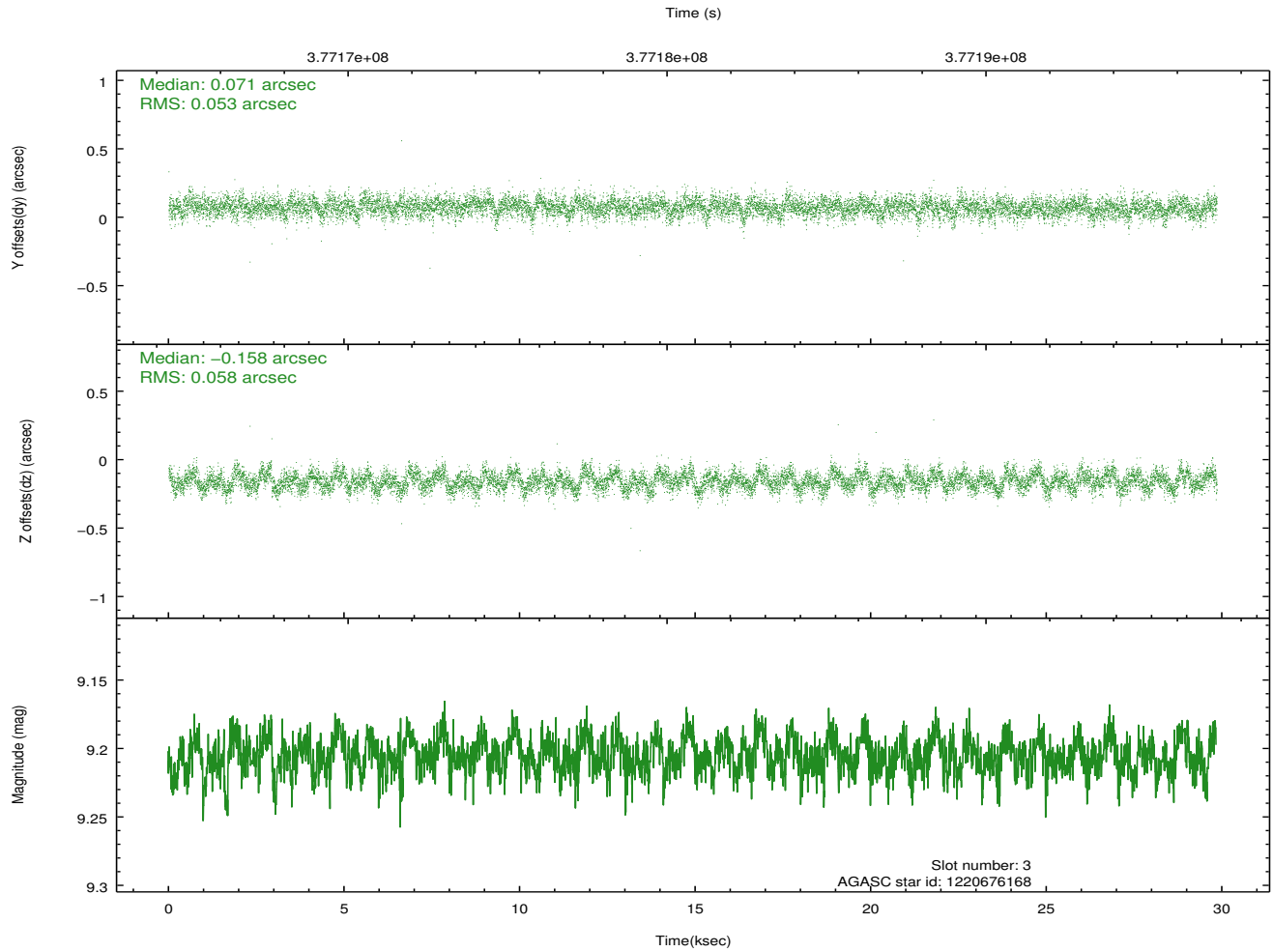
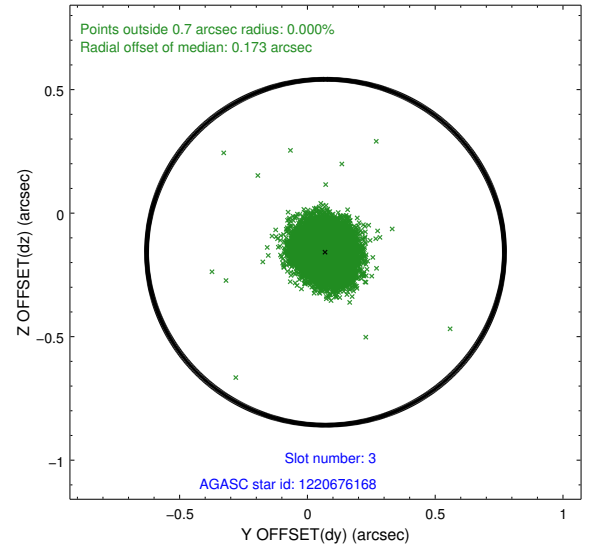
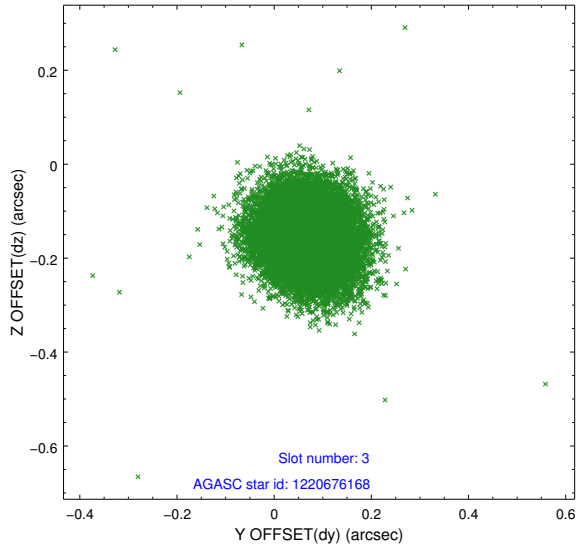


Slot Statistics

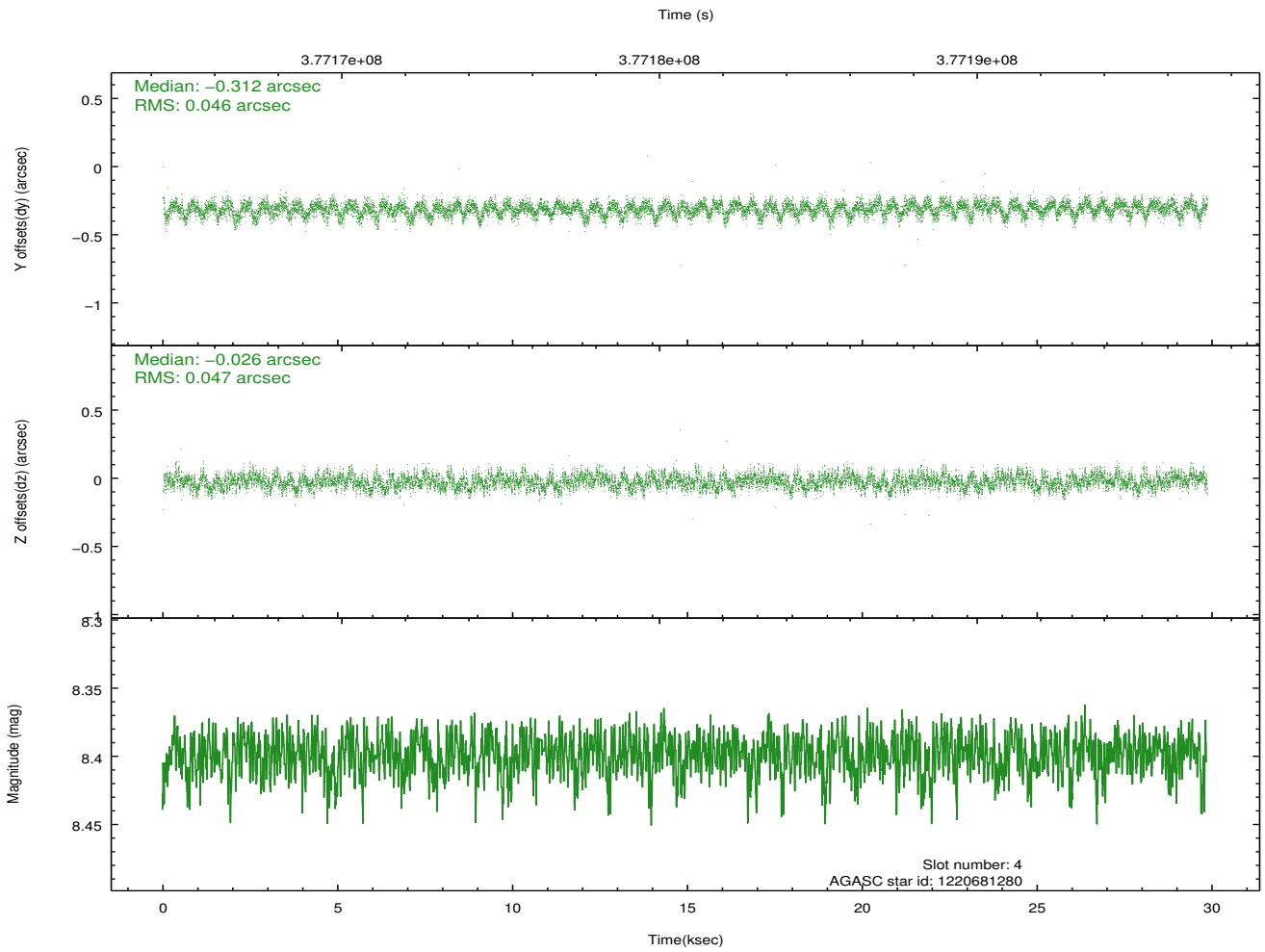
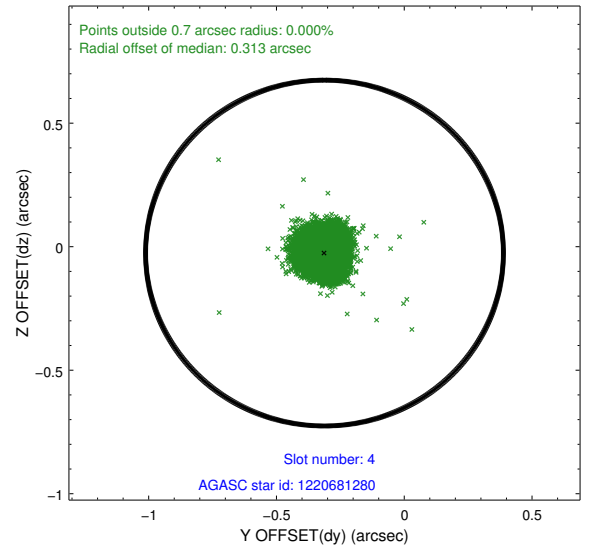
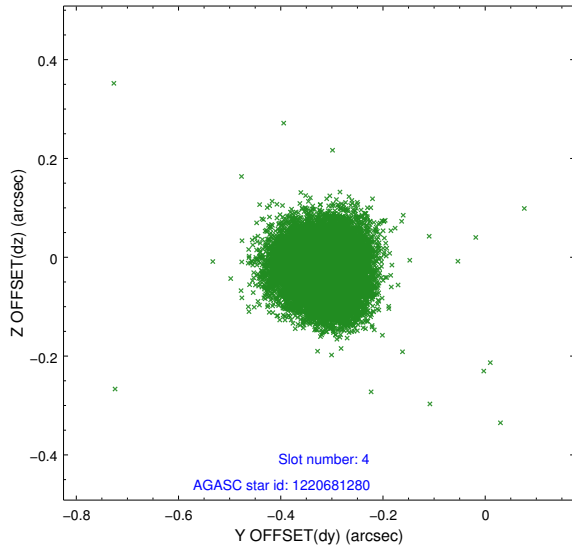
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	7280	-0.049	-0.020	0.023	0.030	0.000000	0.000000	-766.69	-1737.56
1	FID	ACIS-S-4	6.96	7282	0.184	0.028	0.023	0.037	0.000000	0.000000	2146.78	170.89
2	FID	ACIS-S-5	6.99	7282	-0.163	0.001	0.012	0.018	0.000000	0.000000	-1819.55	164.62
3	GUIDE	1220676168	9.20	14543	0.071	-0.158	0.084	0.134	290.888048	-72.413188	1489.89	-1743.18
4	GUIDE	1220681280	8.40	14556	-0.312	-0.026	0.070	0.110	293.313249	-72.100490	-1381.44	-1423.22
5	GUIDE	1220685504	7.37	14560	0.292	0.422	0.067	0.109	292.045880	-73.090627	1576.39	989.84
6	GUIDE	1221198432	9.05	14551	-0.099	-0.171	0.092	0.143	292.771774	-73.144093	1011.26	1531.47
7	GUIDE	1220676208	9.23	14553	0.053	-0.067	0.102	0.168	292.467232	-71.973323	-797.00	-2289.59

2.4 Star Slots

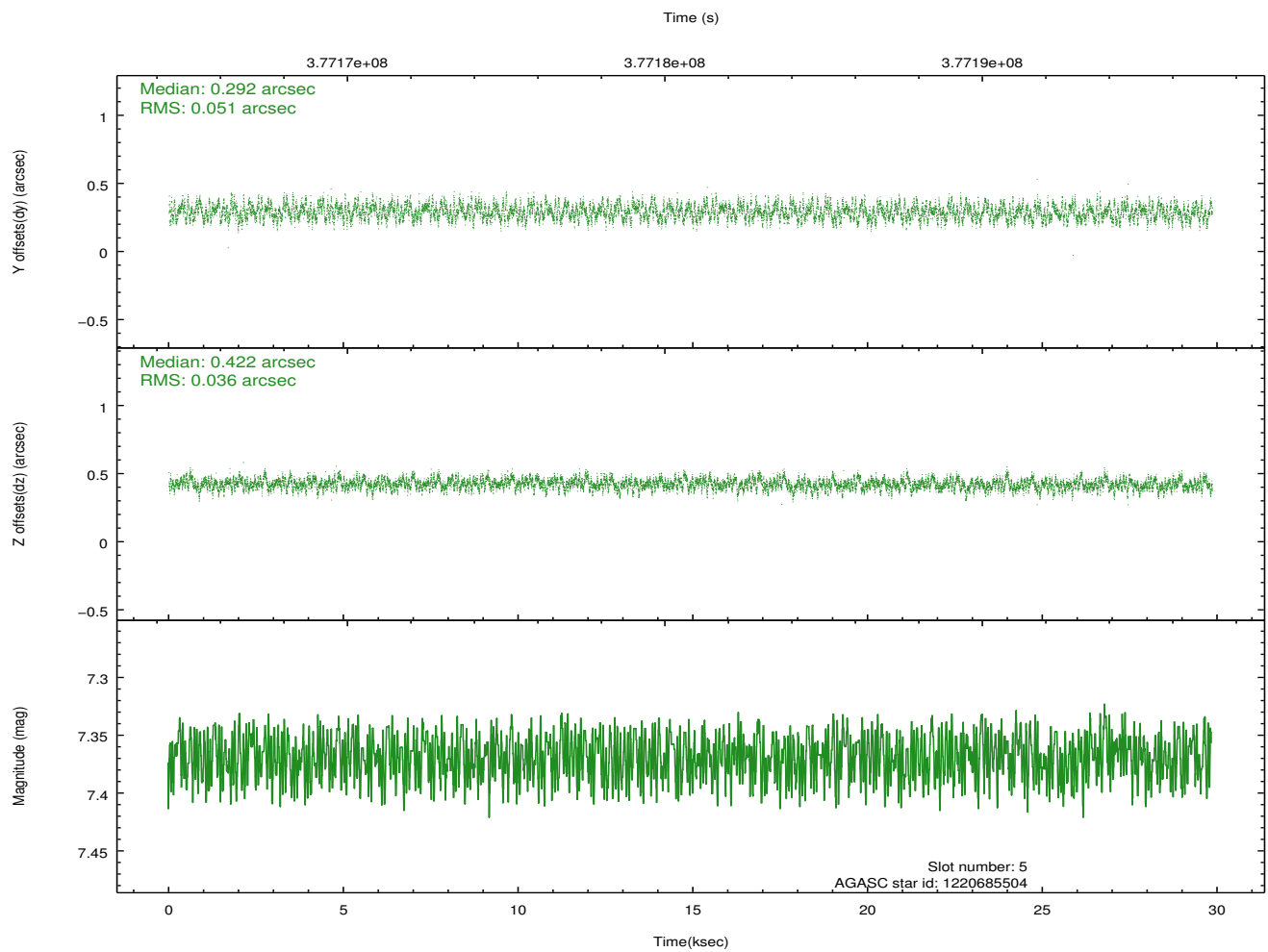
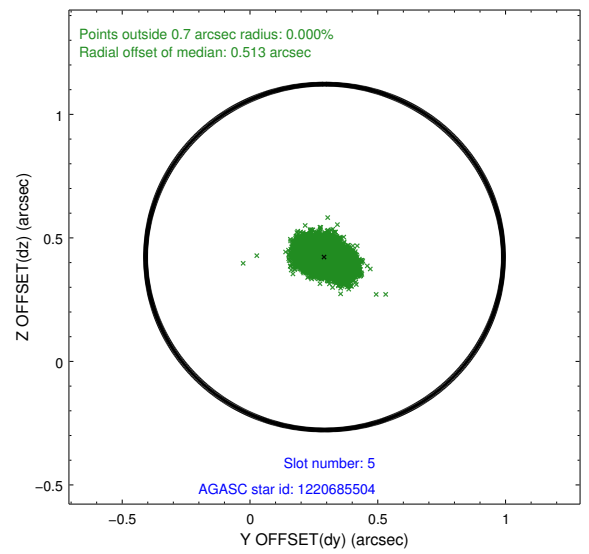
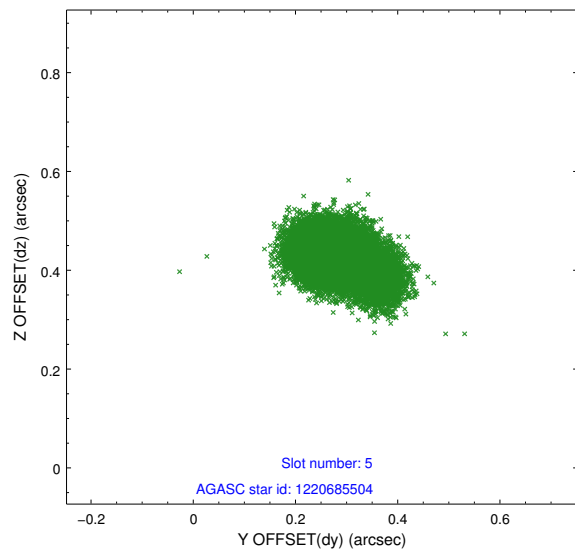
2.4.1 Slot 3



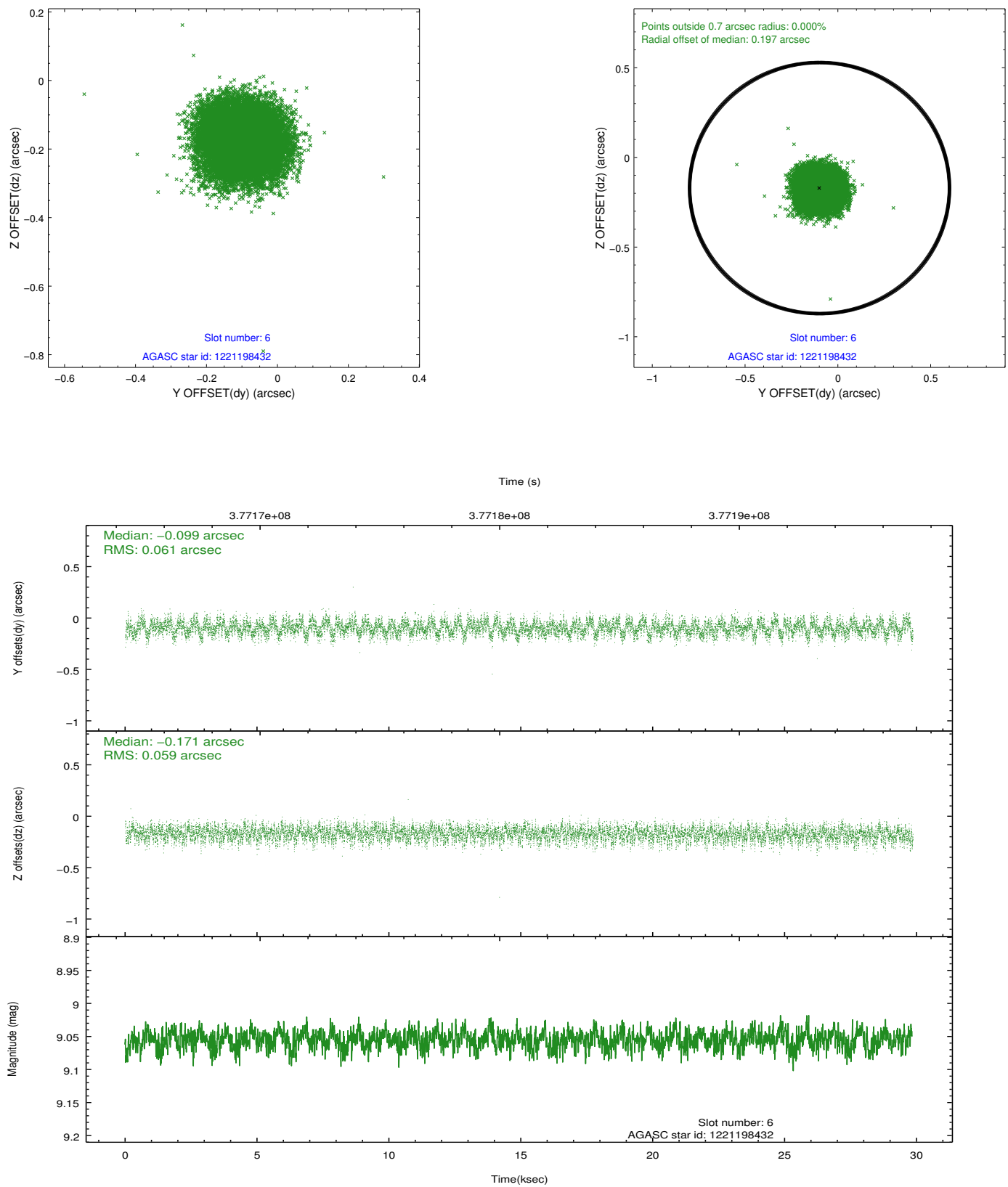
2.4.2 Slot 4



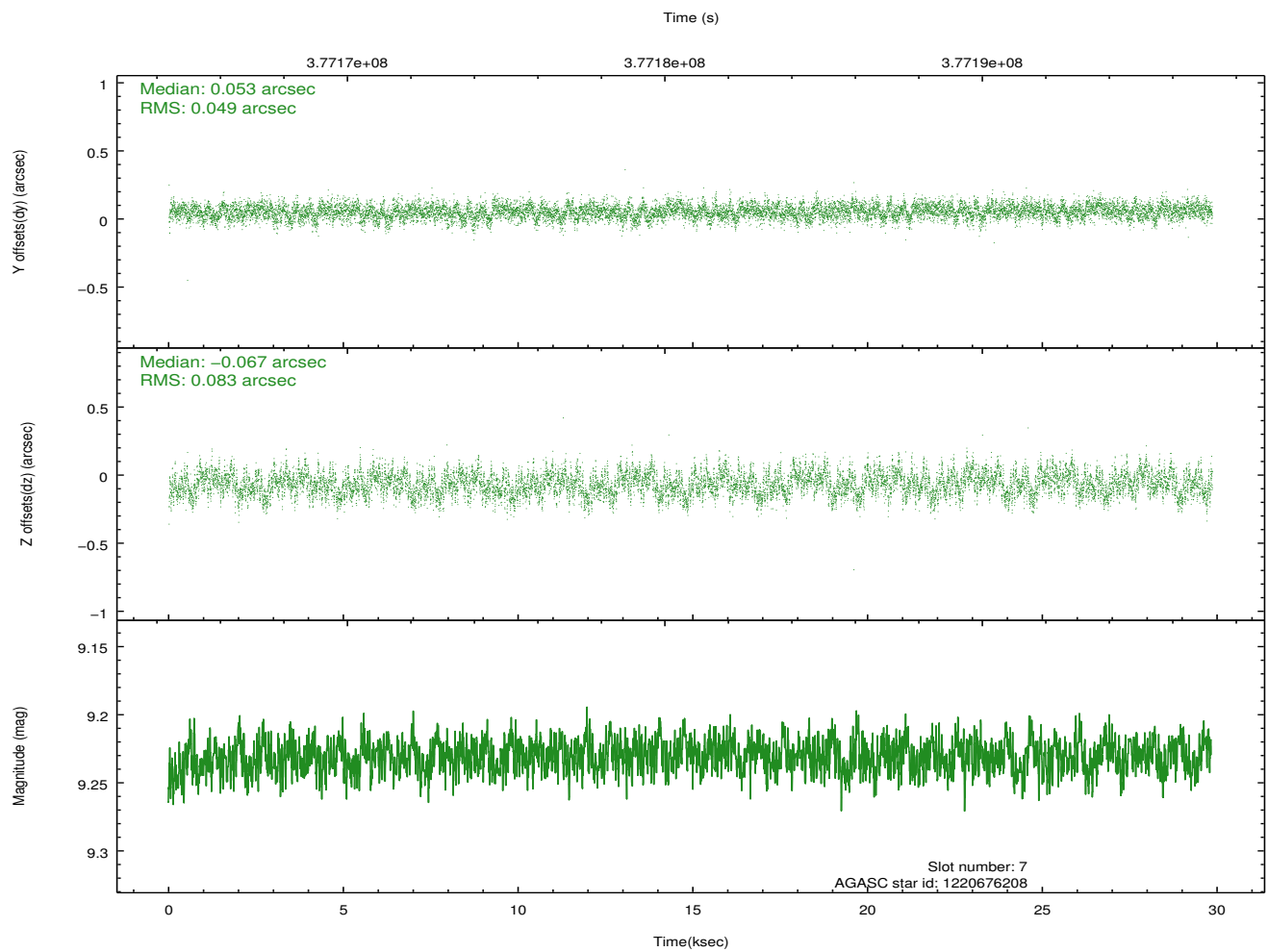
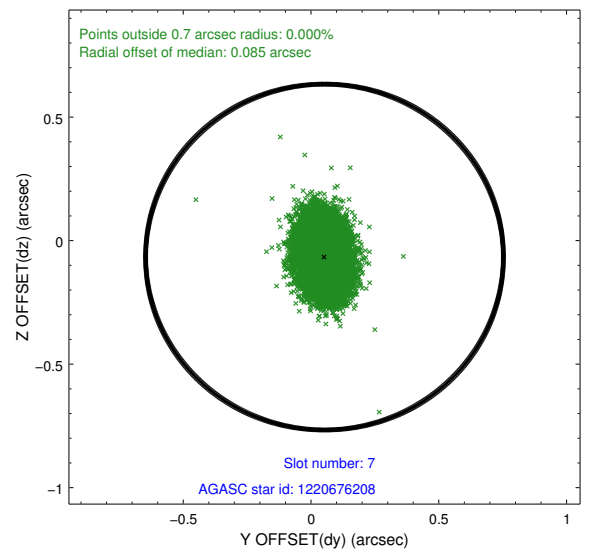
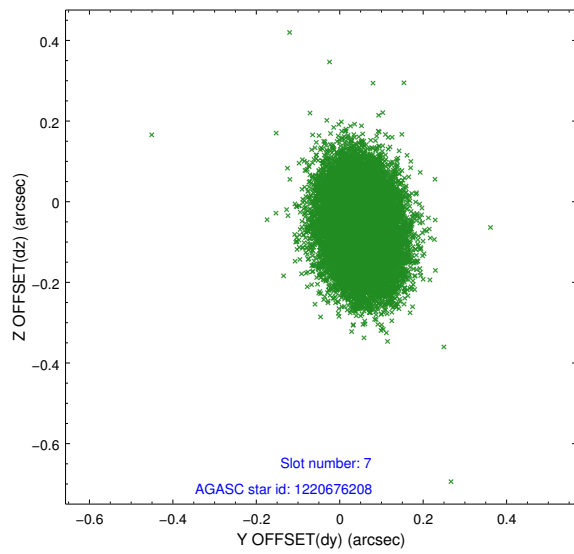
2.4.3 Slot 5



2.4.4 Slot 6

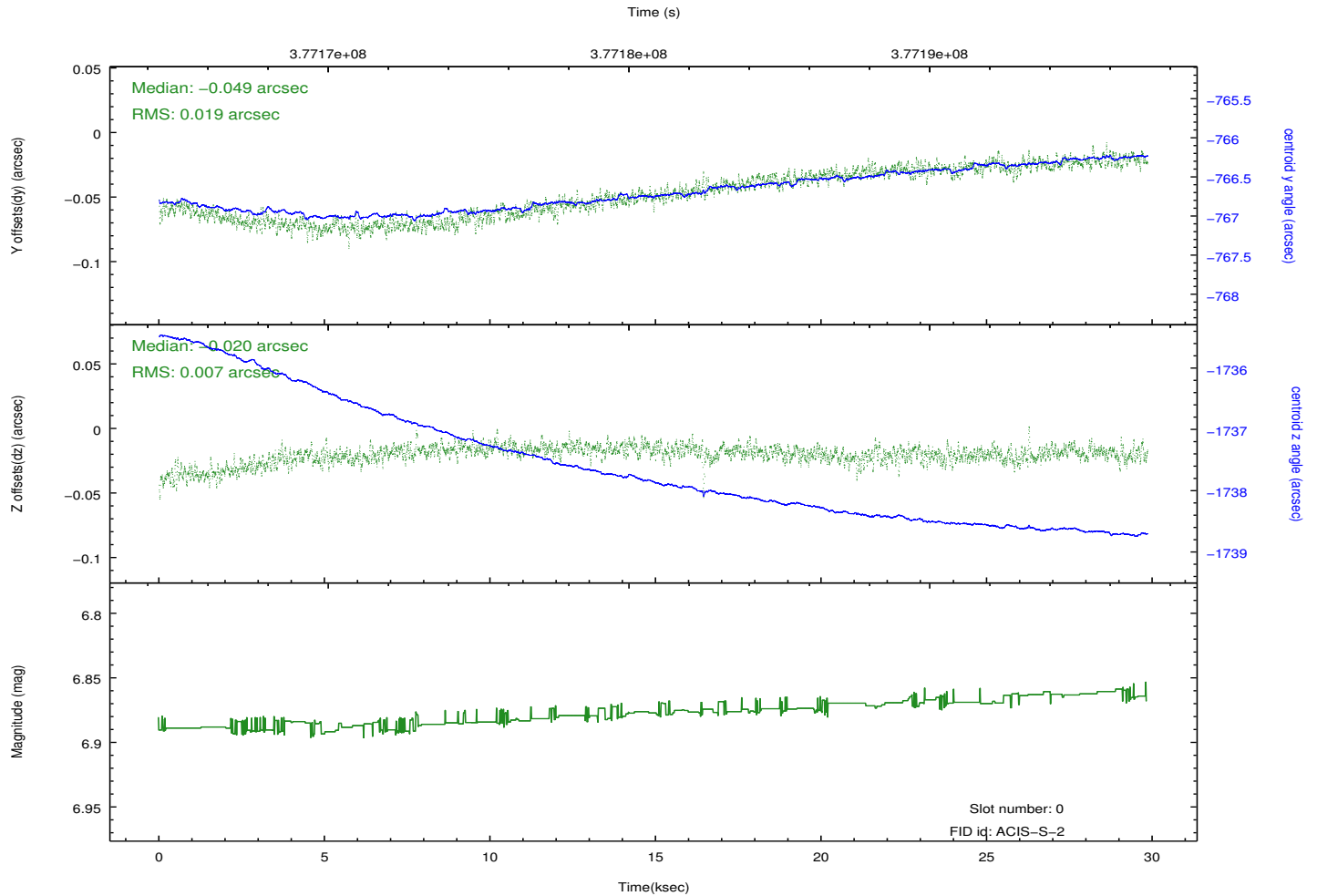
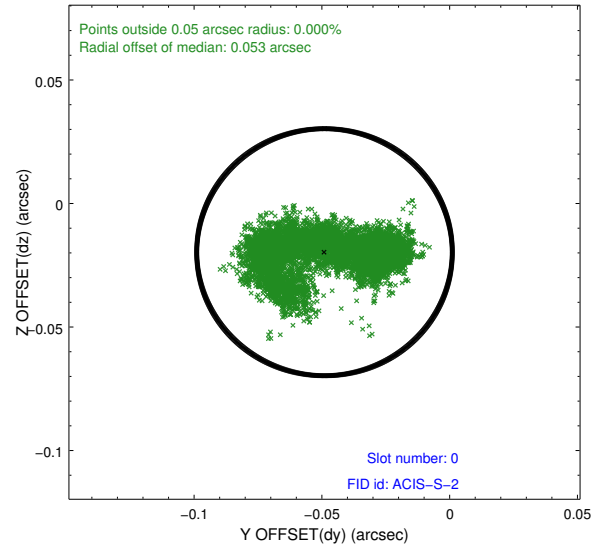
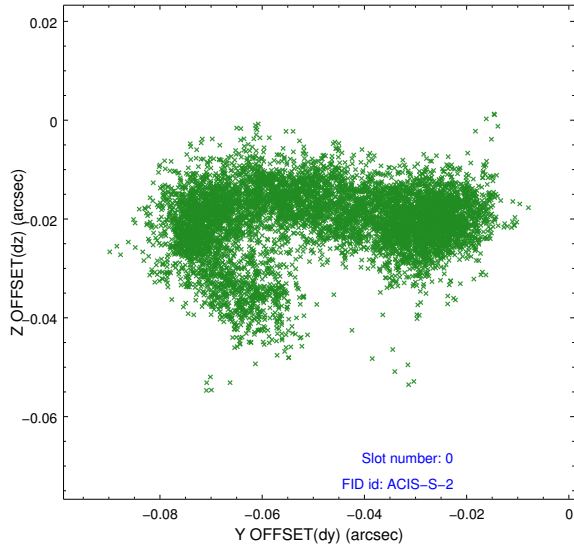


2.4.5 Slot 7

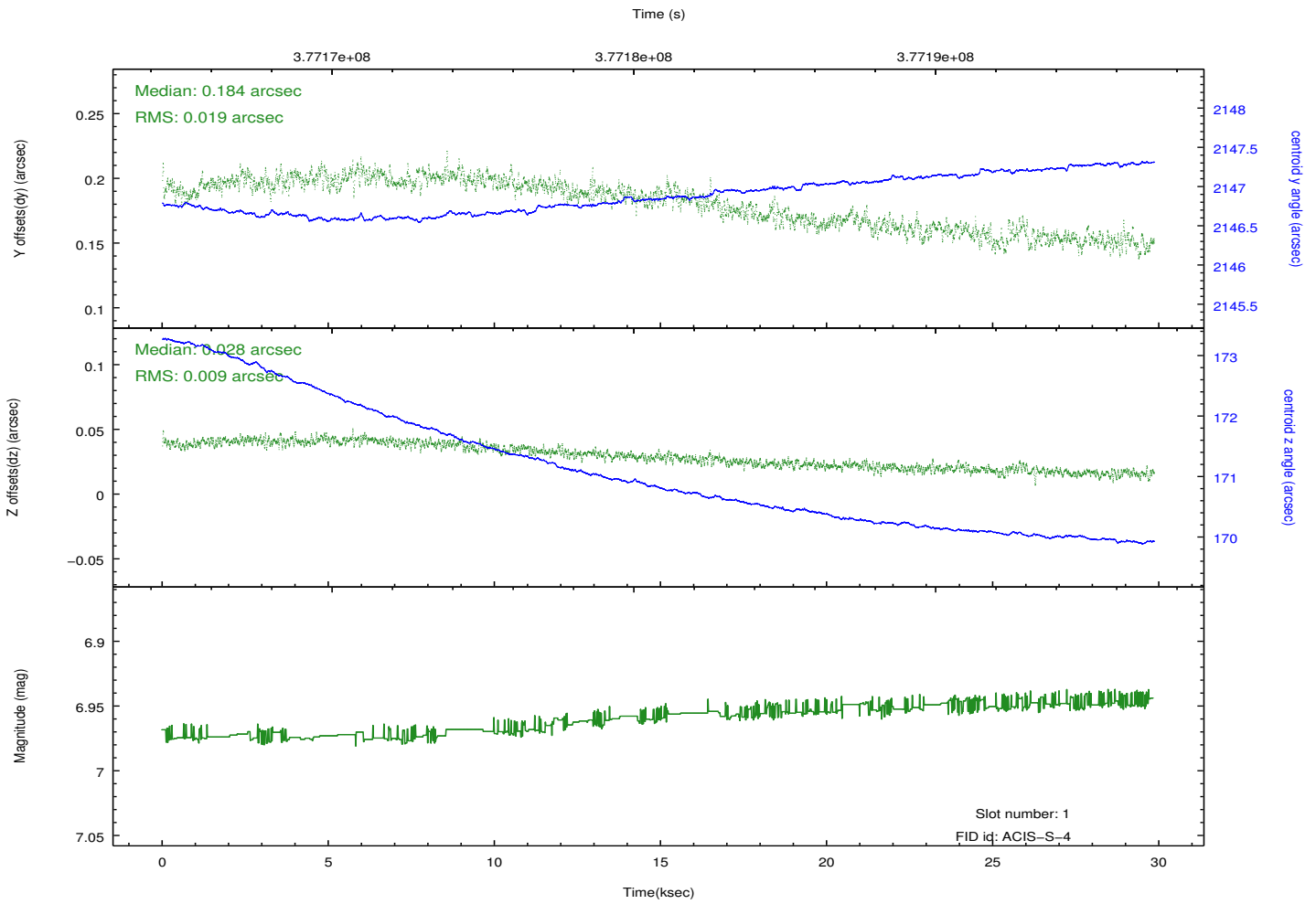
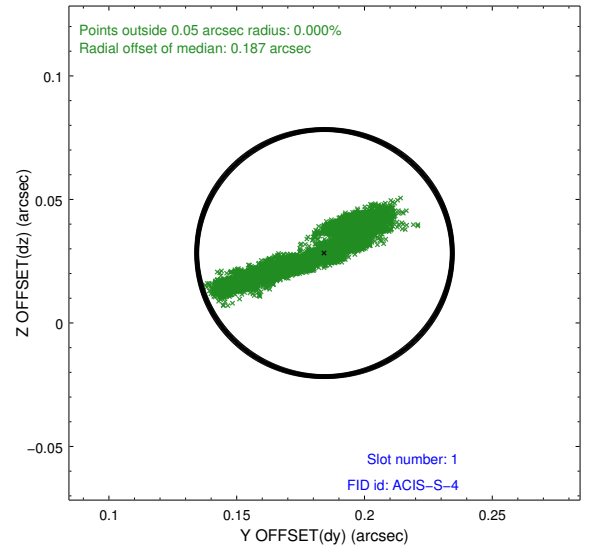
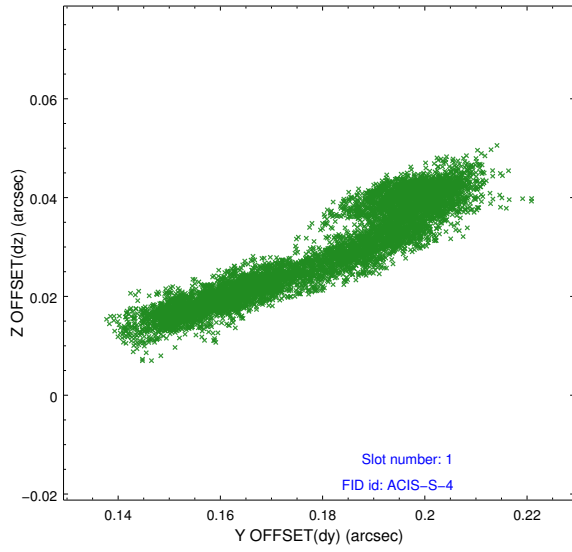


2.5 FID Slots

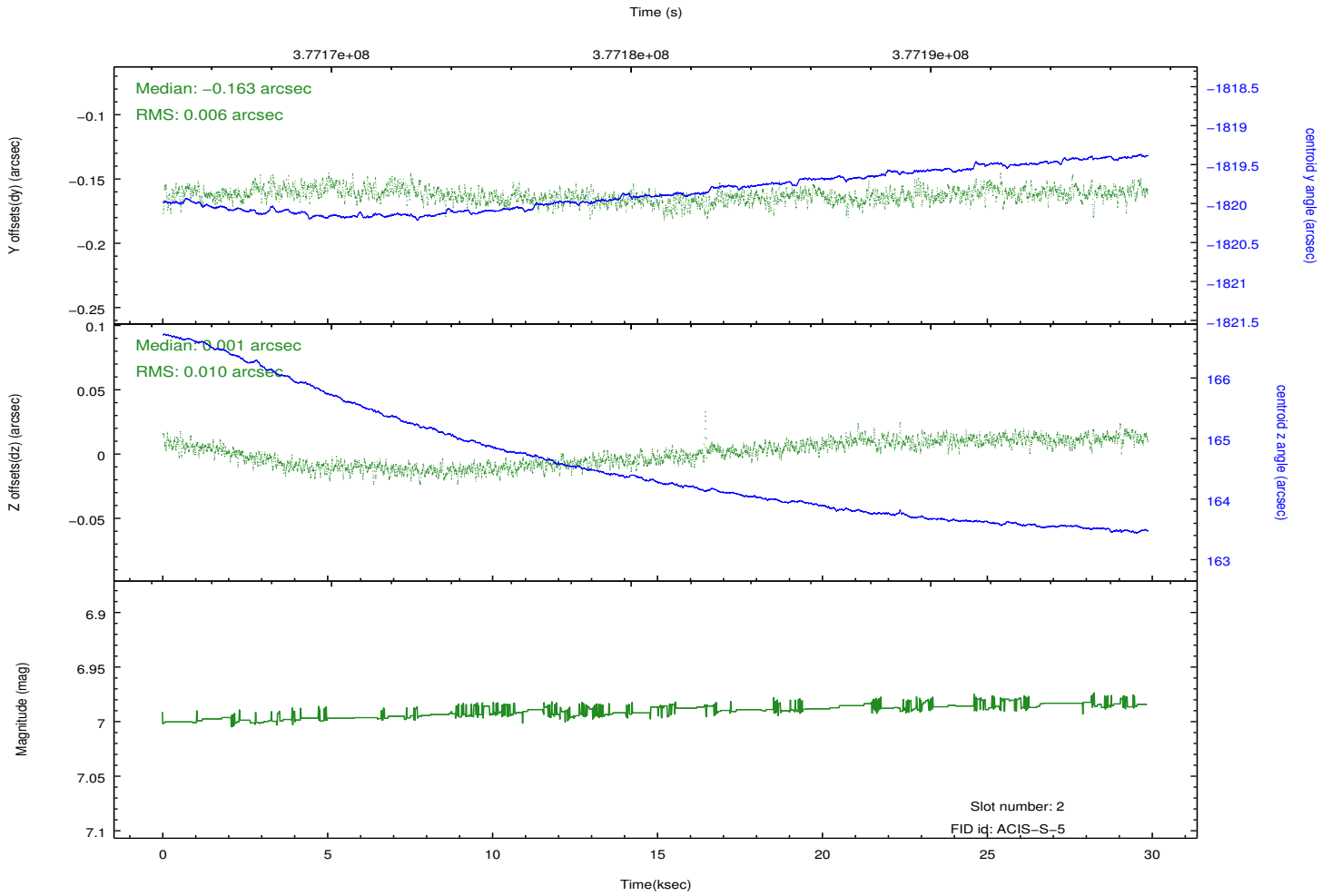
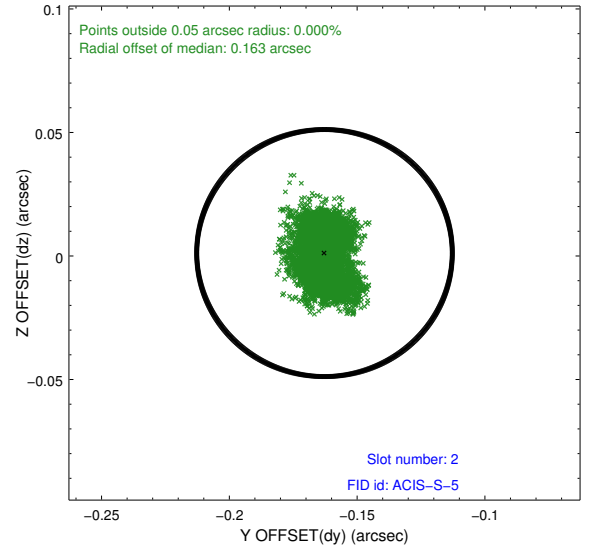
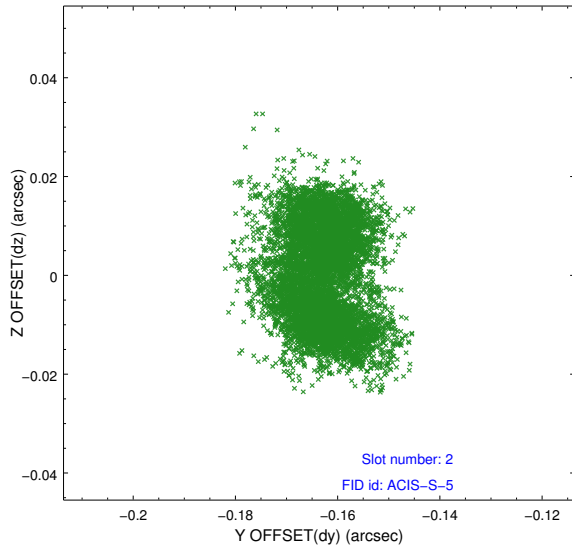
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.8515

A.2 Comments