

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18790 - L2 Version 1
Chandra X-Ray Center

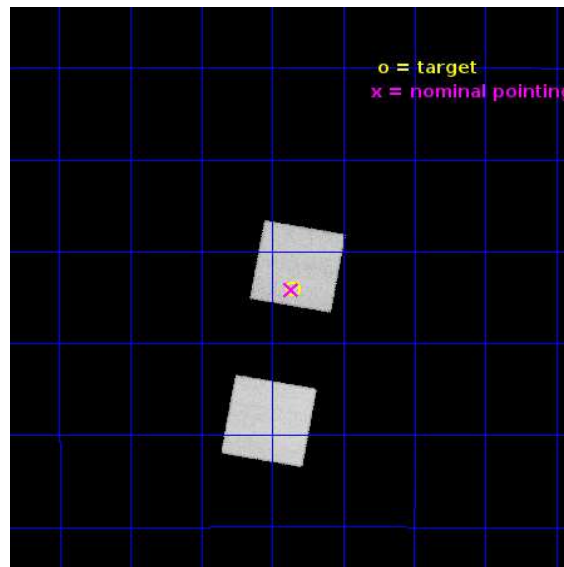
L2 Processing Date : Mar 9 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

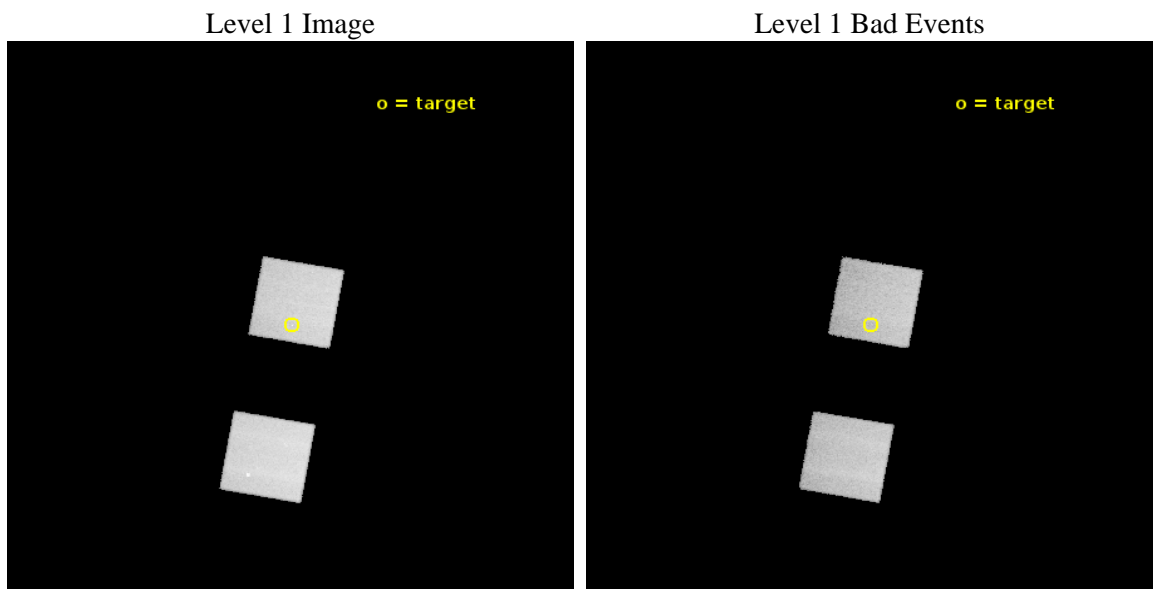
seq_num	300391	Sequence number
obs_id	18790	Observation id
title	The accretion disk of a rare jet-driving symbiotic binary during its brightest outburst in a ~century	Proposal title
observer	Adrian Lucy	Principal investigator
object	MWC 560	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	111.463705	Observer's specified target RA [deg]
dec_targ	-7.735581	Observer's specified target Dec [deg]
ra_nom	111.46643967861	Nominal RA [deg]
dec_nom	-7.7359295147884	Nominal Dec [deg]
roll_nom	280.15698443562	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25101.0	Sum of GTIs [s]
liveltime	24762.252387341	Livetime [s]
ontime5	25101.0	Sum of GTIs [s]
ontime7	25101.0	Sum of GTIs [s]
l2events	189502	Number of level 2 events



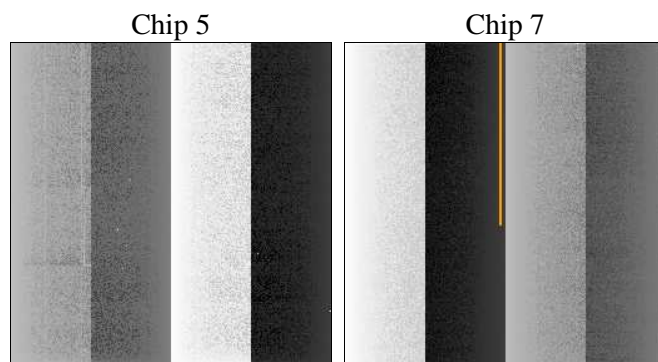
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	25101.0	Sum of GTIs [s]
caldbver	4.7.0	 	ontime5	25101.0	Sum of GTIs [s]
date	2016-03-09T11:44:58	Date and time of file creation	ontime7	25101.0	Sum of GTIs [s]
revision	1	Processing version of data	l1events	431054	Number of level 1 events

2.1.4 Events

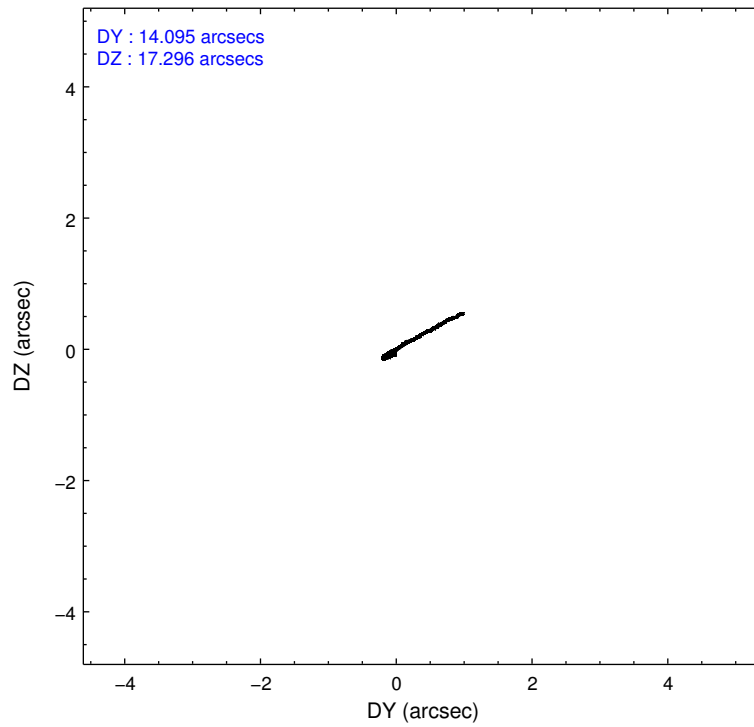
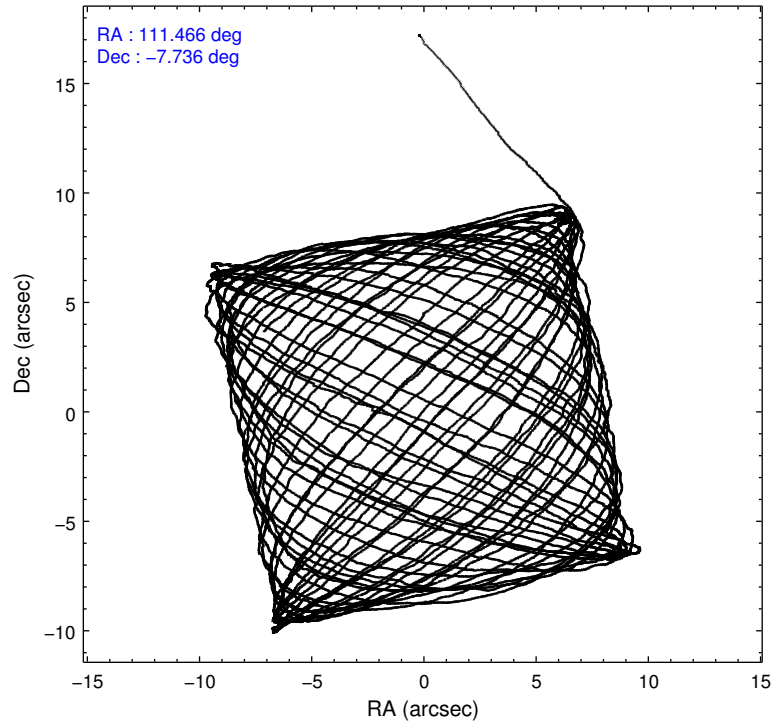
	ccd 5	ccd 7
level 1 events	236353	194701
rejected events	124491	111271
rejected %	52%	57%

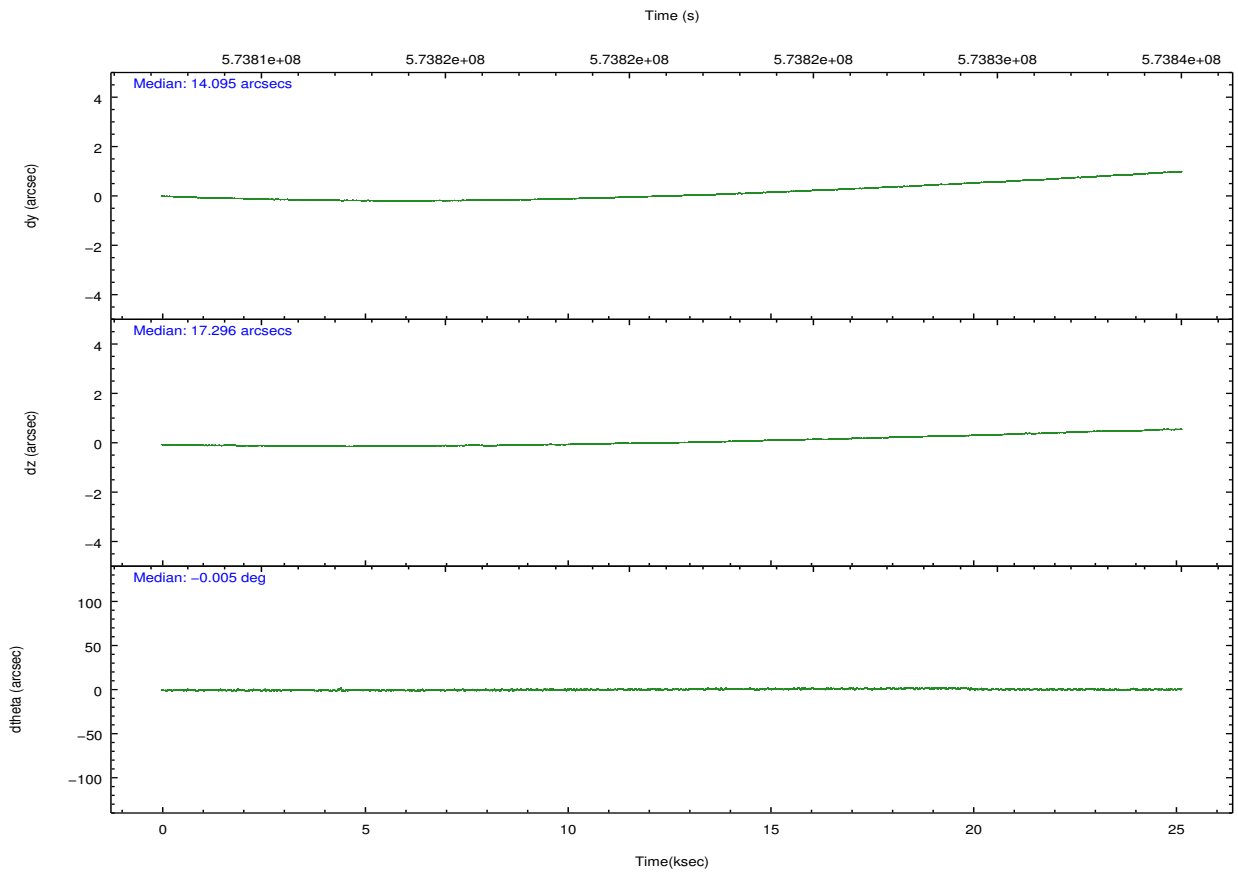
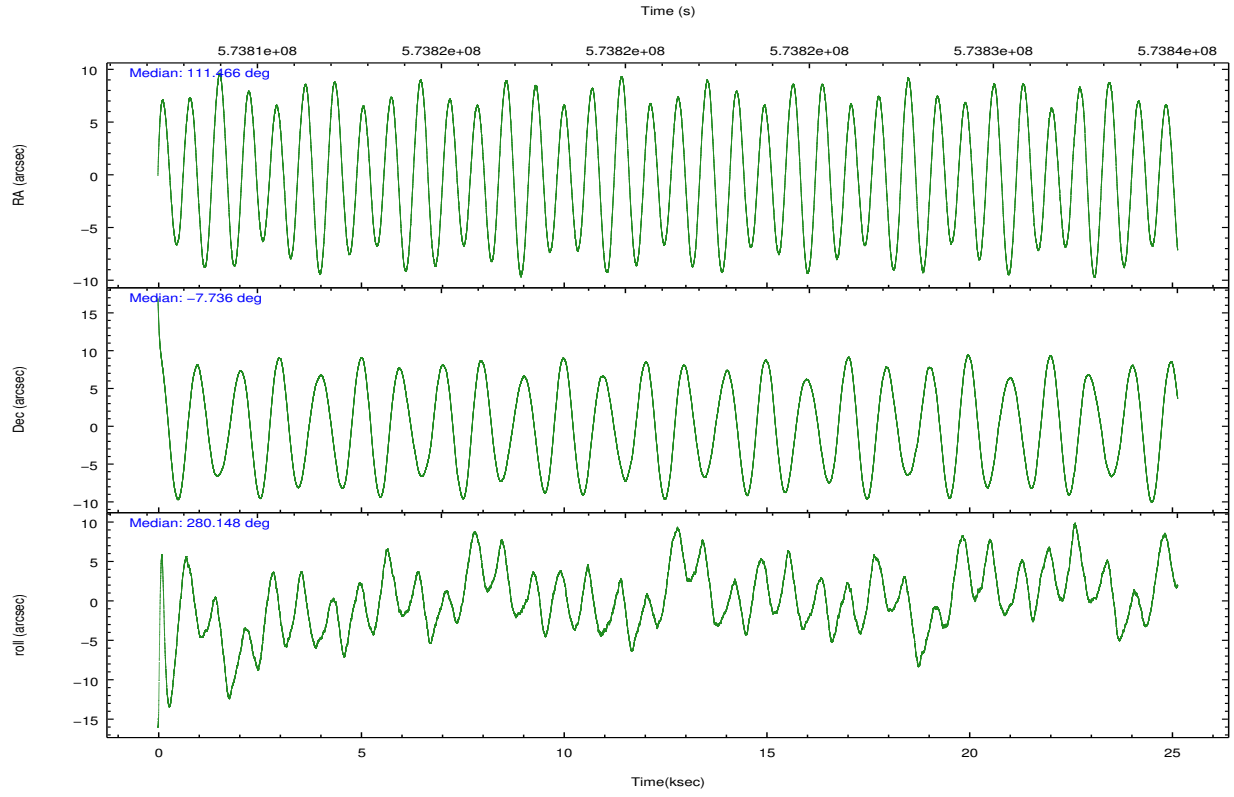
	ccd 5	ccd 7
grade 0 events	6681	6780
	2%	3%
grade 1 events	578	258
	0%	0%
grade 2 events	34347	17433
	14%	8%
grade 3 events	3456	6410
	1%	3%
grade 4 events	3172	6425
	1%	3%
grade 5 events	16137	18919
	6%	9%
grade 6 events	64231	46396
	27%	23%
grade 7 events	107751	92080
	45%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-57	ACIS-57	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	111.448282	111.4664396786105	CCD I2 on	N	N
[deg] Pointing Dec	-7.715206	-7.735929514788381	CCD I3 on	N	N
[deg] Pointing Roll	279.997920	280.1569844356205	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	N	N
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	573808705.184000	573807134.33096	CCD S5 on	N	N
Observation start date	2016-03-08T07:17:17	2016-03-08T06:52:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	573833705.184000	573835032.78255	On-chip summing requested	N	N
Observation end date	2016-03-08T14:13:57	2016-03-08T14:37:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3

2.3 Aspect





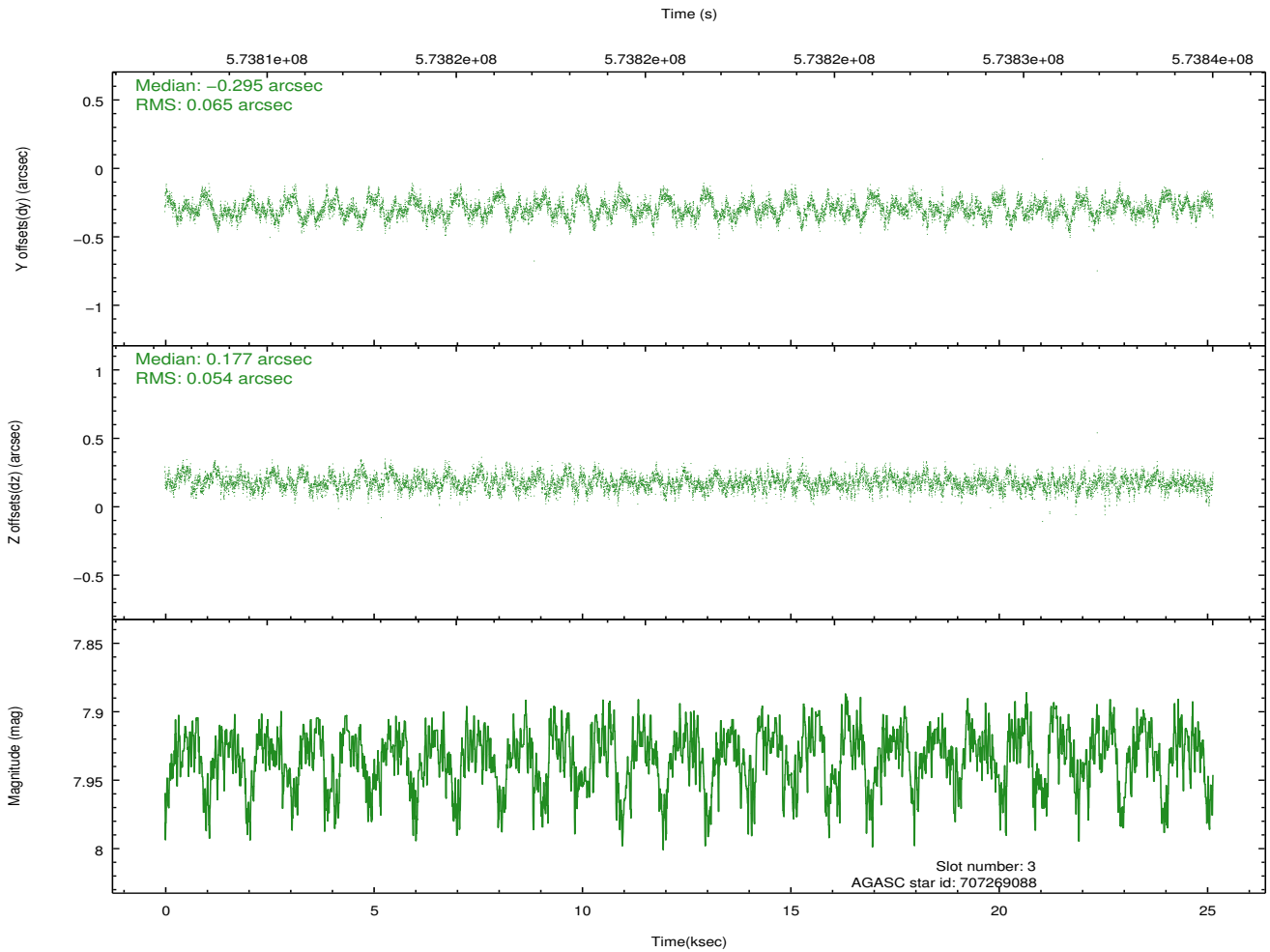
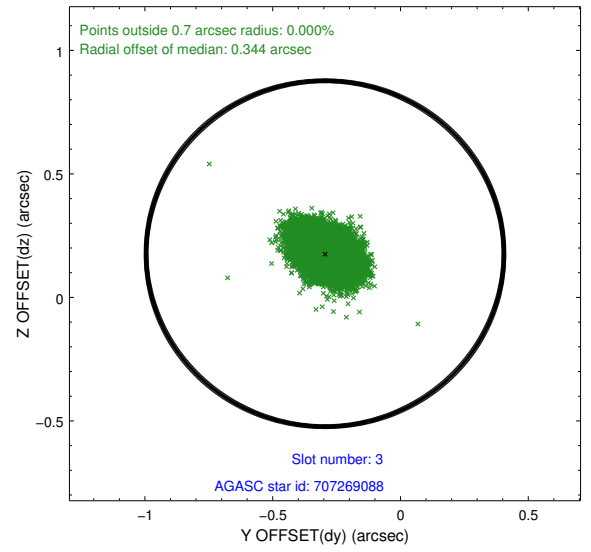
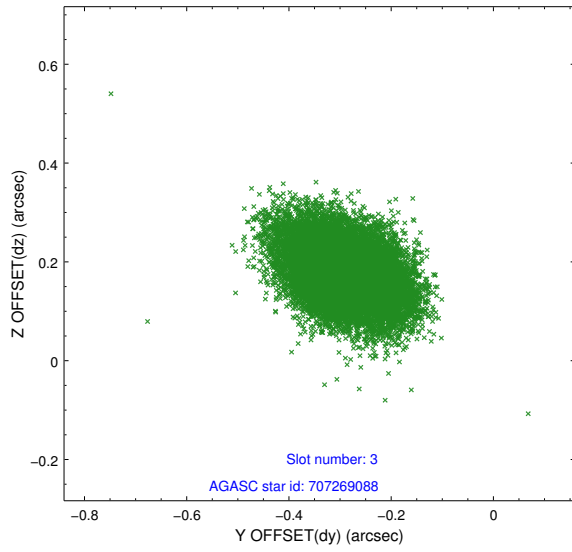
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-4	7.21	6133	0.377	0.005	0.008	0.012	0.000000	0.000000	2146.52	169.90
1	FID		ACIS-S-5	7.24	6134	-0.422	-0.003	0.007	0.012	0.000000	0.000000	-1820.32	163.37
2	FID		ACIS-S-6	7.36	6133	0.016	0.012	0.011	0.018	0.000000	0.000000	394.29	807.13
3	GUIDE	used	707269088	7.93	12267	-0.295	0.177	0.090	0.148	111.752960	-7.637079	-87.89	1119.52
4	GUIDE	used	707275824	9.21	12197	-0.000	0.030	0.144	0.227	111.208705	-8.128829	1319.03	-1099.07
5	GUIDE	used	707276360	9.04	12257	0.148	0.001	0.118	0.190	112.042824	-7.546730	-227.12	2194.51
6	GUIDE	used	707154352	9.25	12253	0.337	-0.305	0.171	0.294	111.036786	-8.418930	2242.34	-1883.01
7	GUIDE	used	707273592	9.06	6105	-0.386	0.180	0.105	0.169	111.463687	-7.735598	82.26	41.22

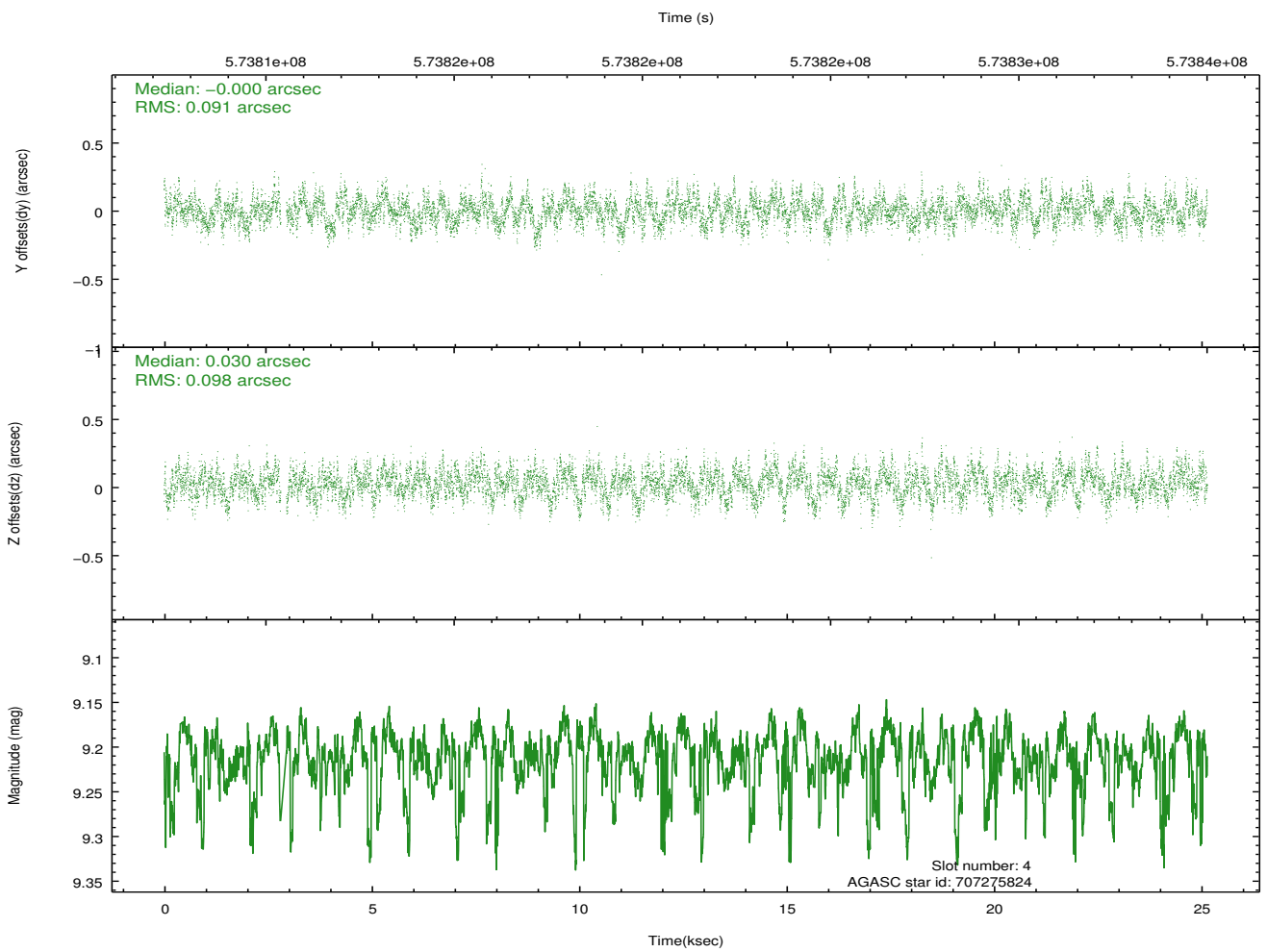
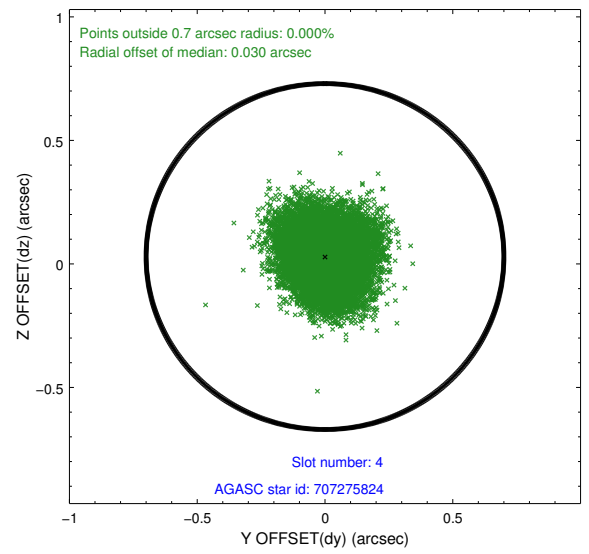
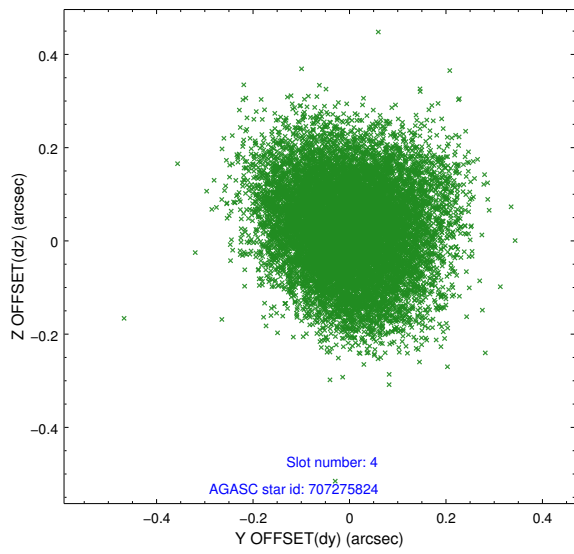
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2.4 Star Slots

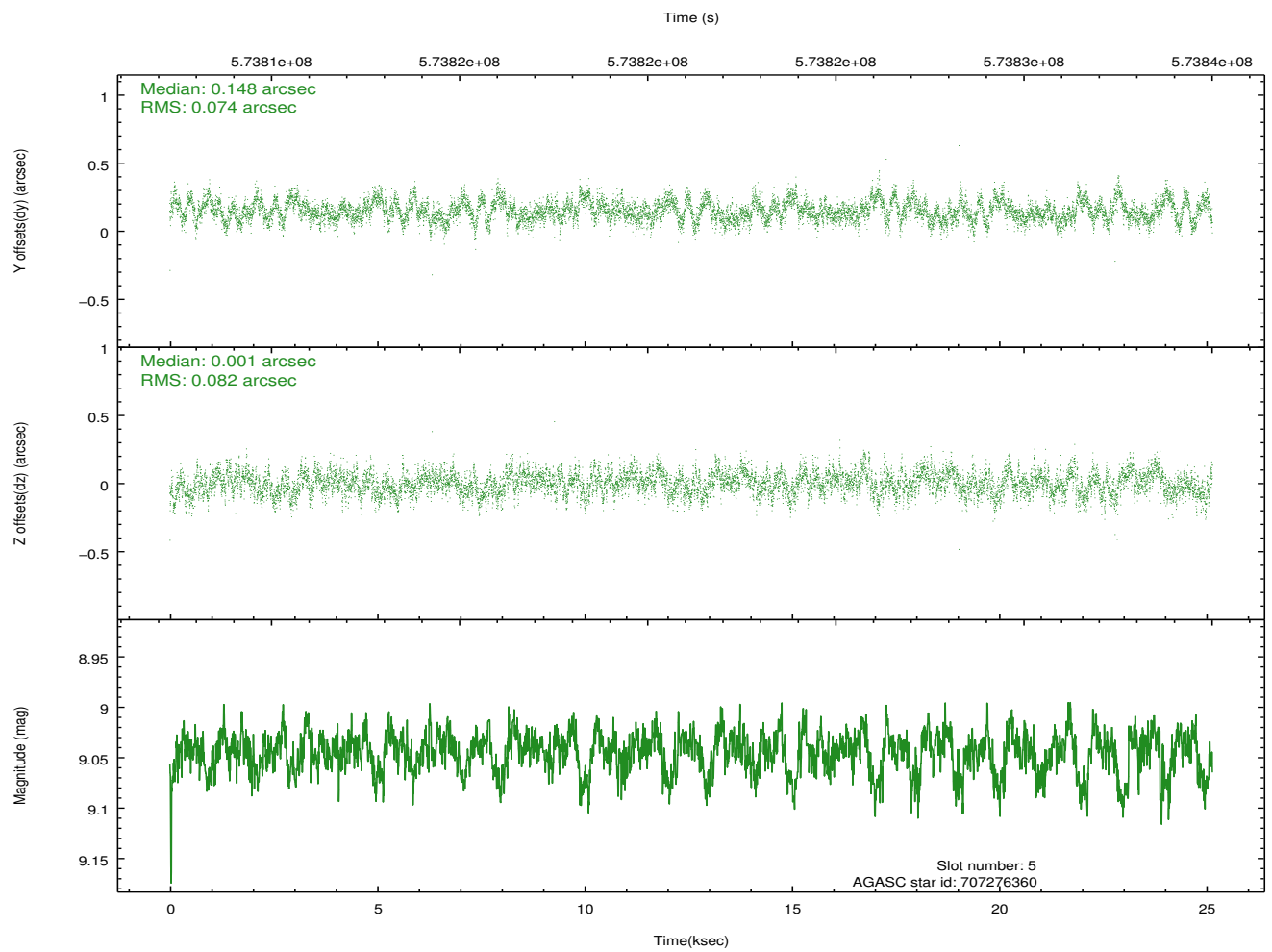
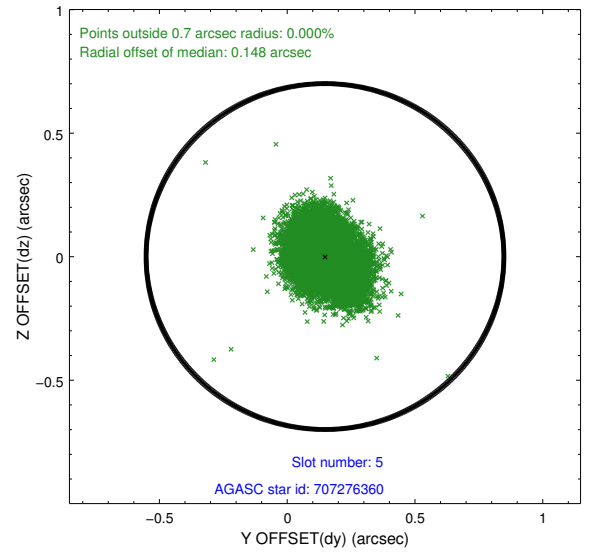
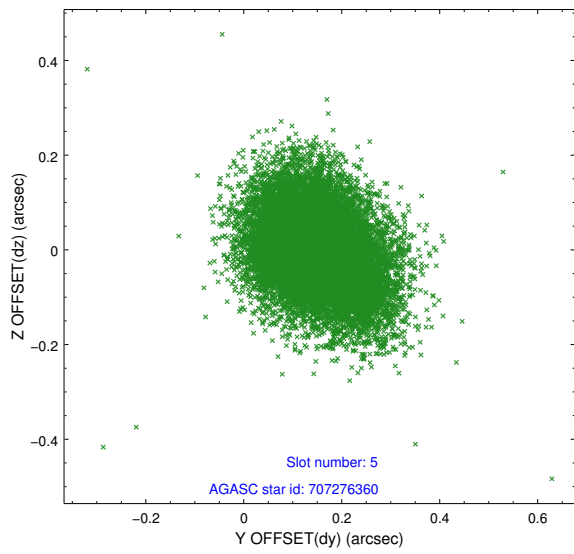
2.4.1 Slot 3



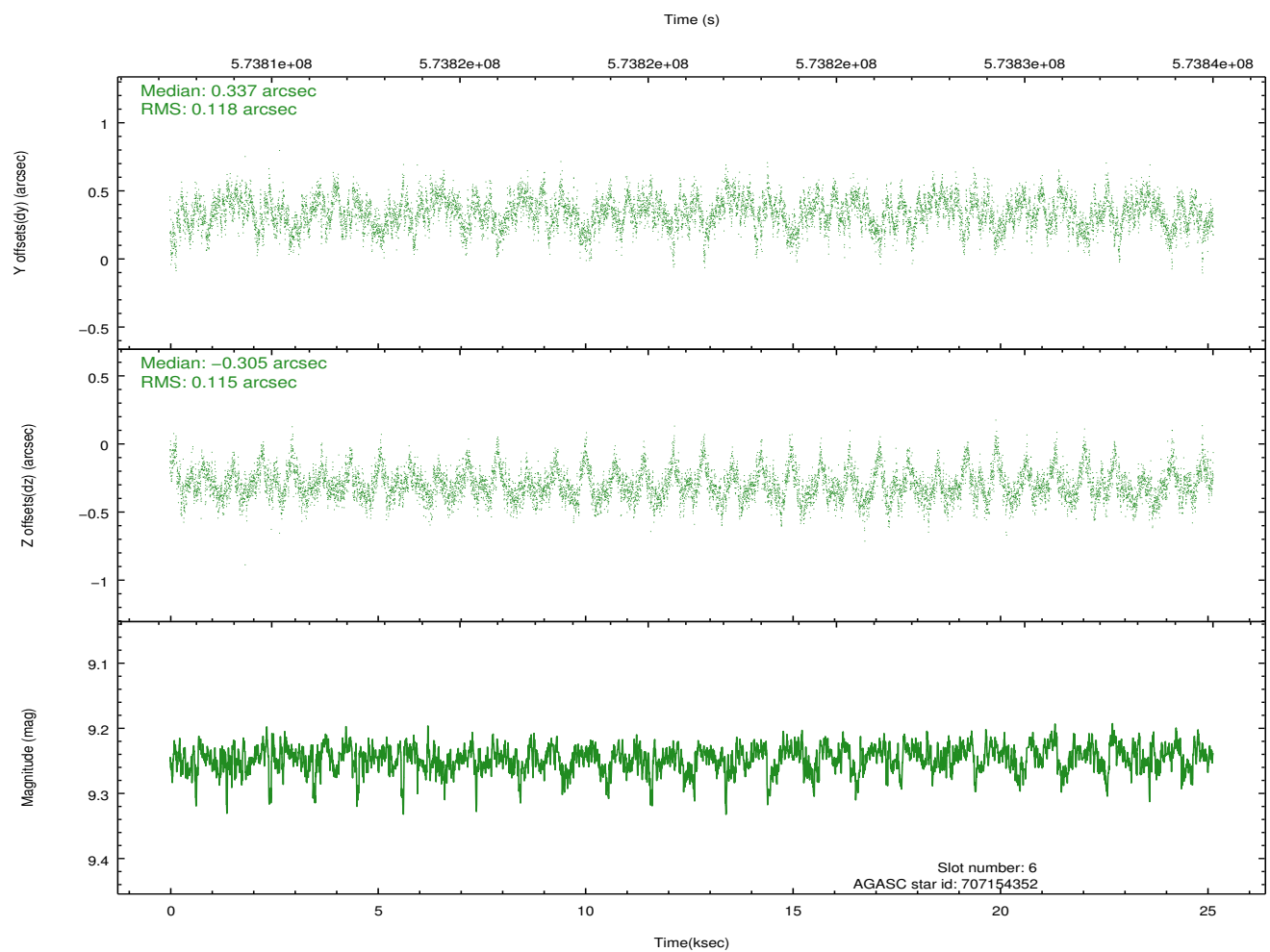
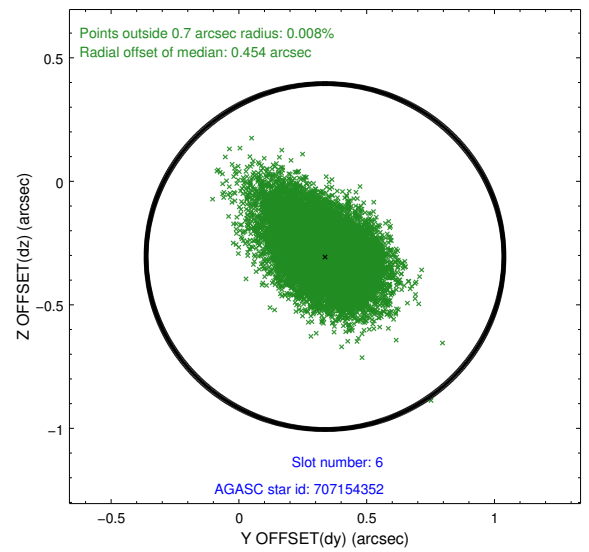
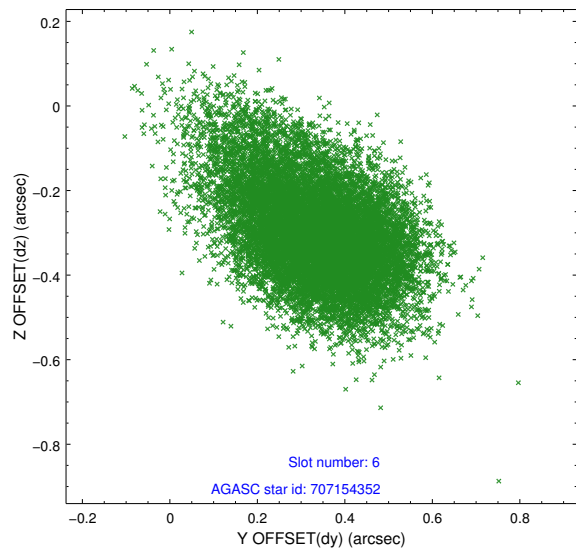
2.4.2 Slot 4



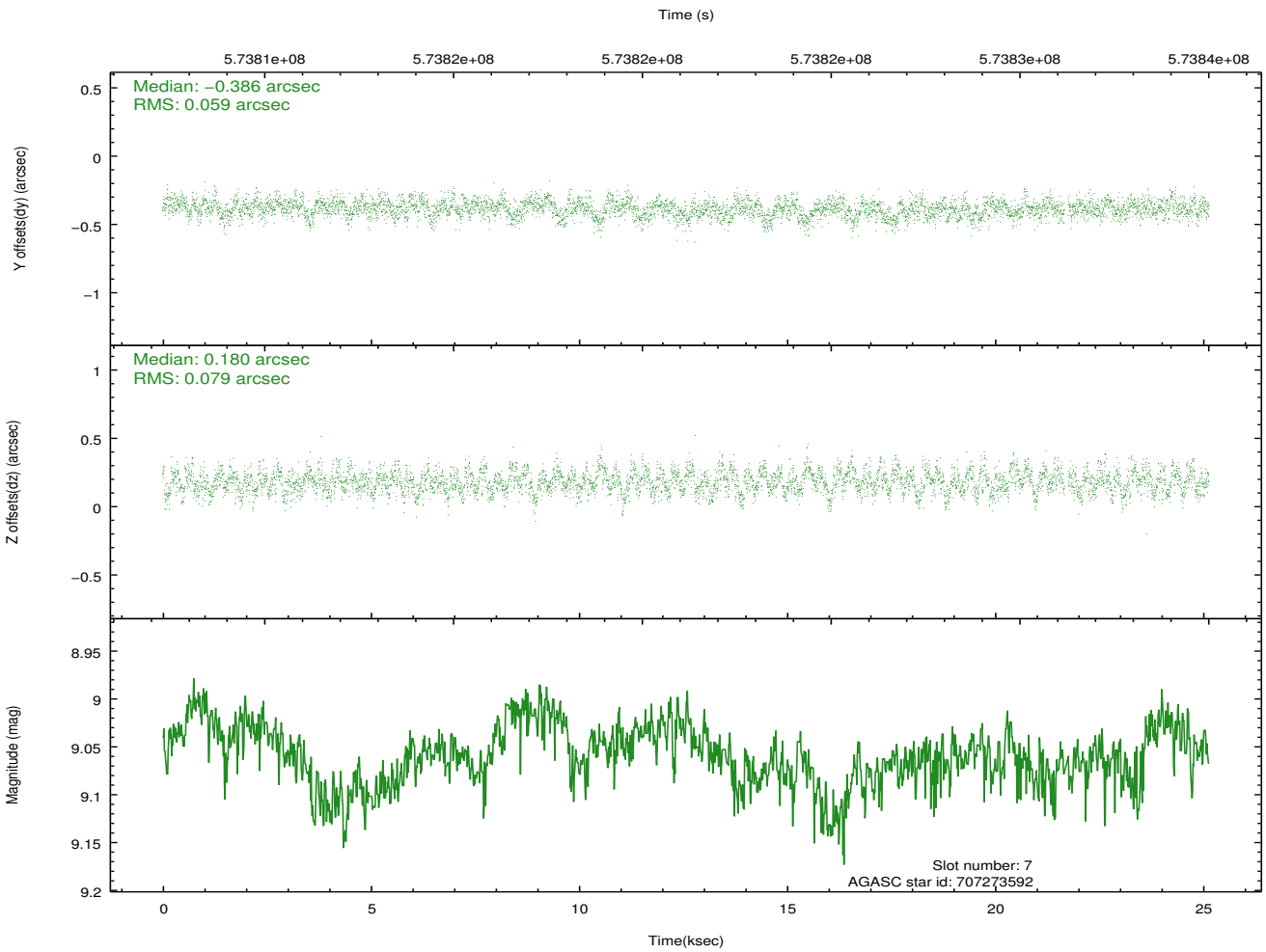
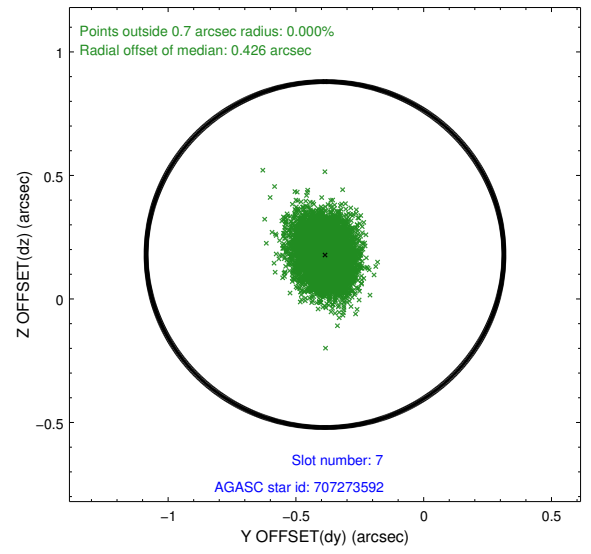
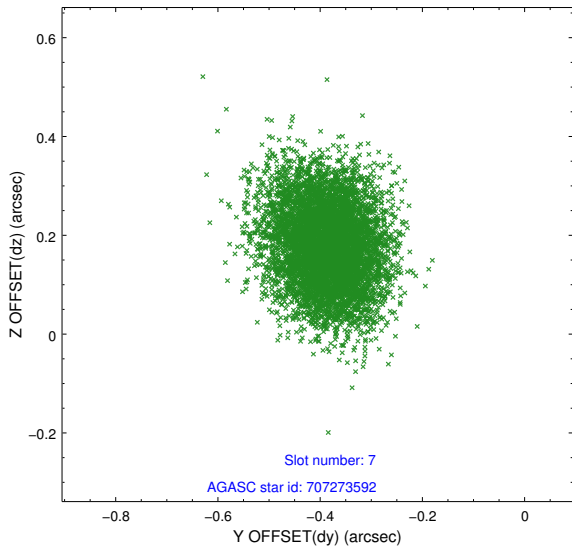
2.4.3 Slot 5



2.4.4 Slot 6

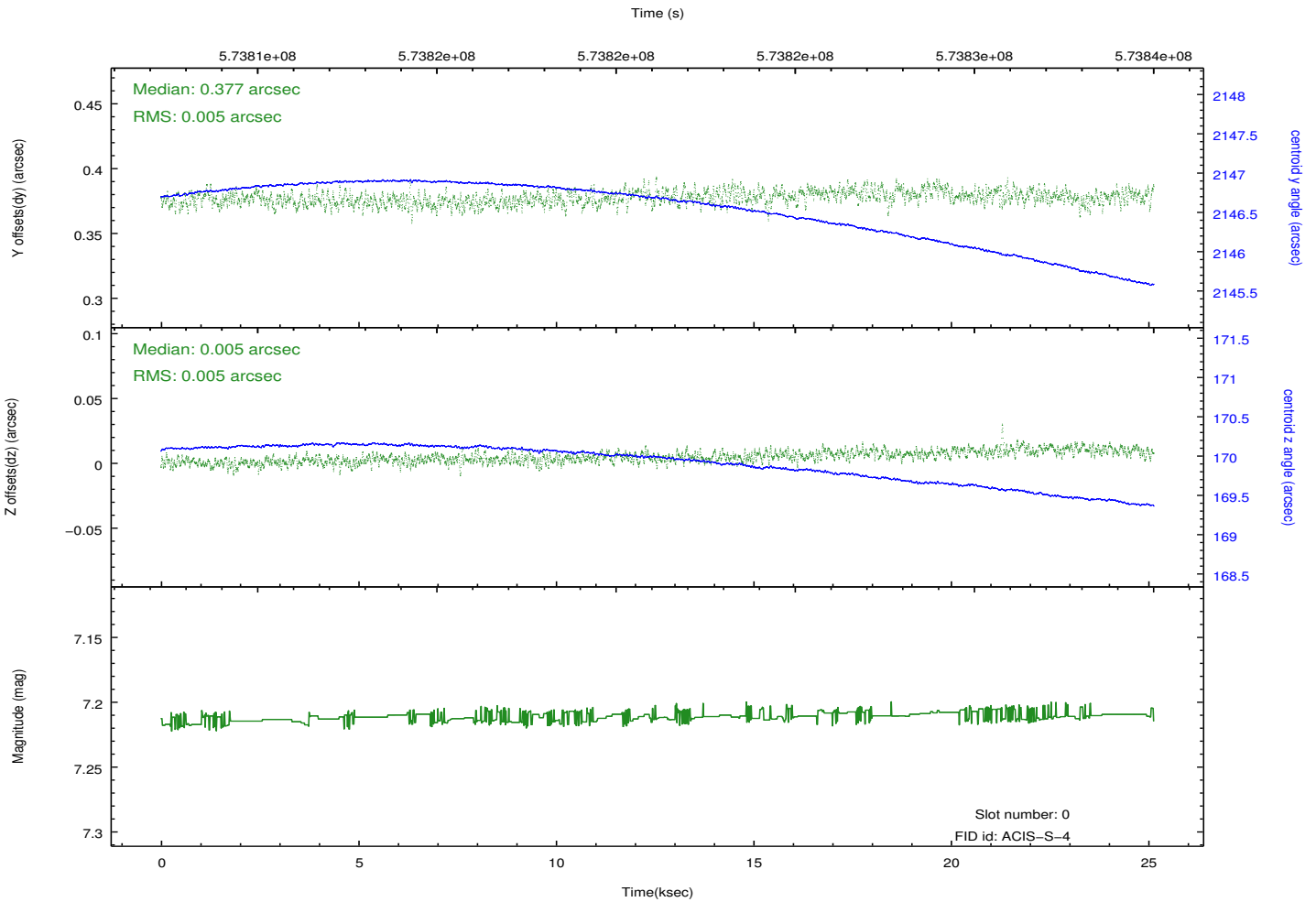
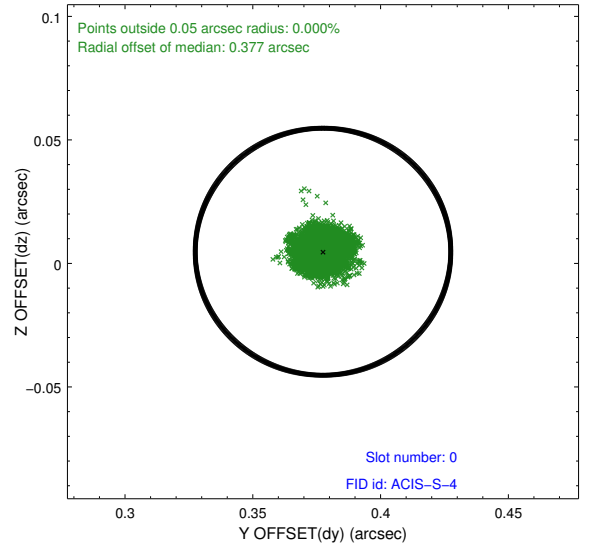
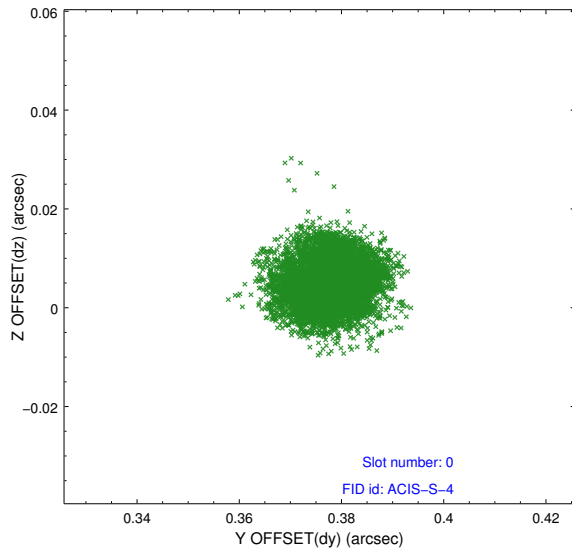


2.4.5 Slot 7

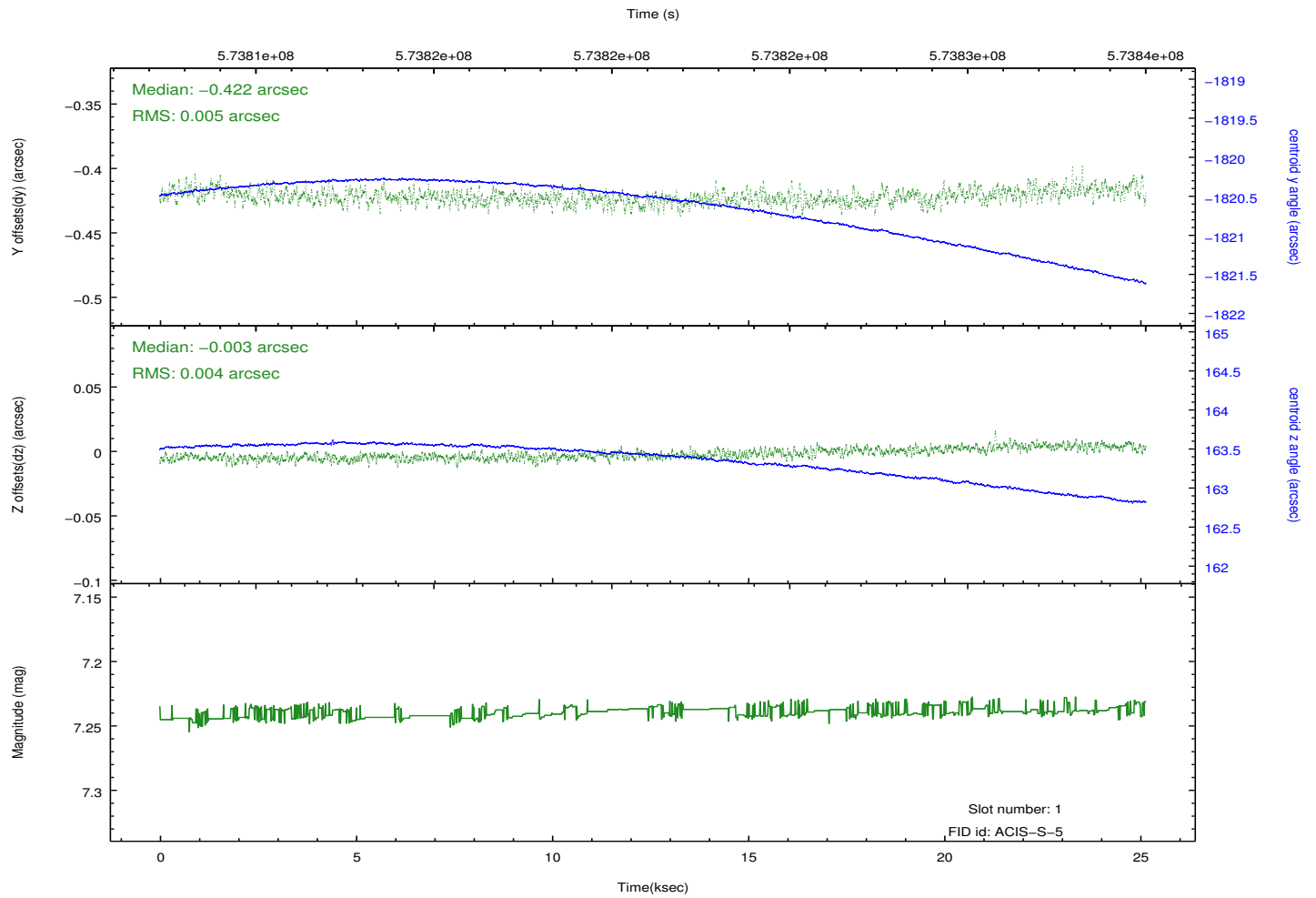
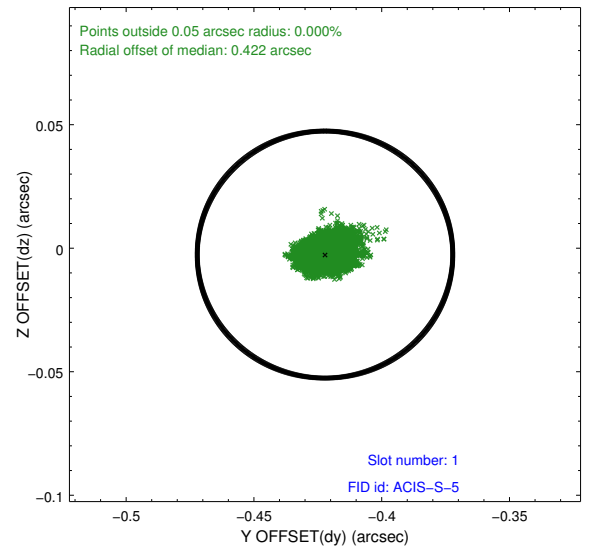
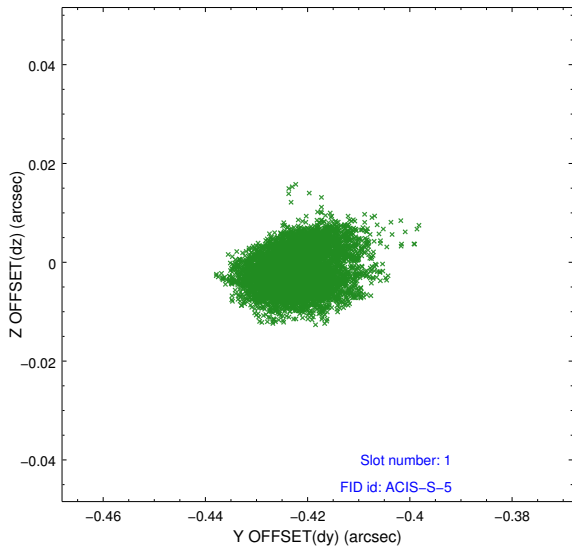


2.5 FID Slots

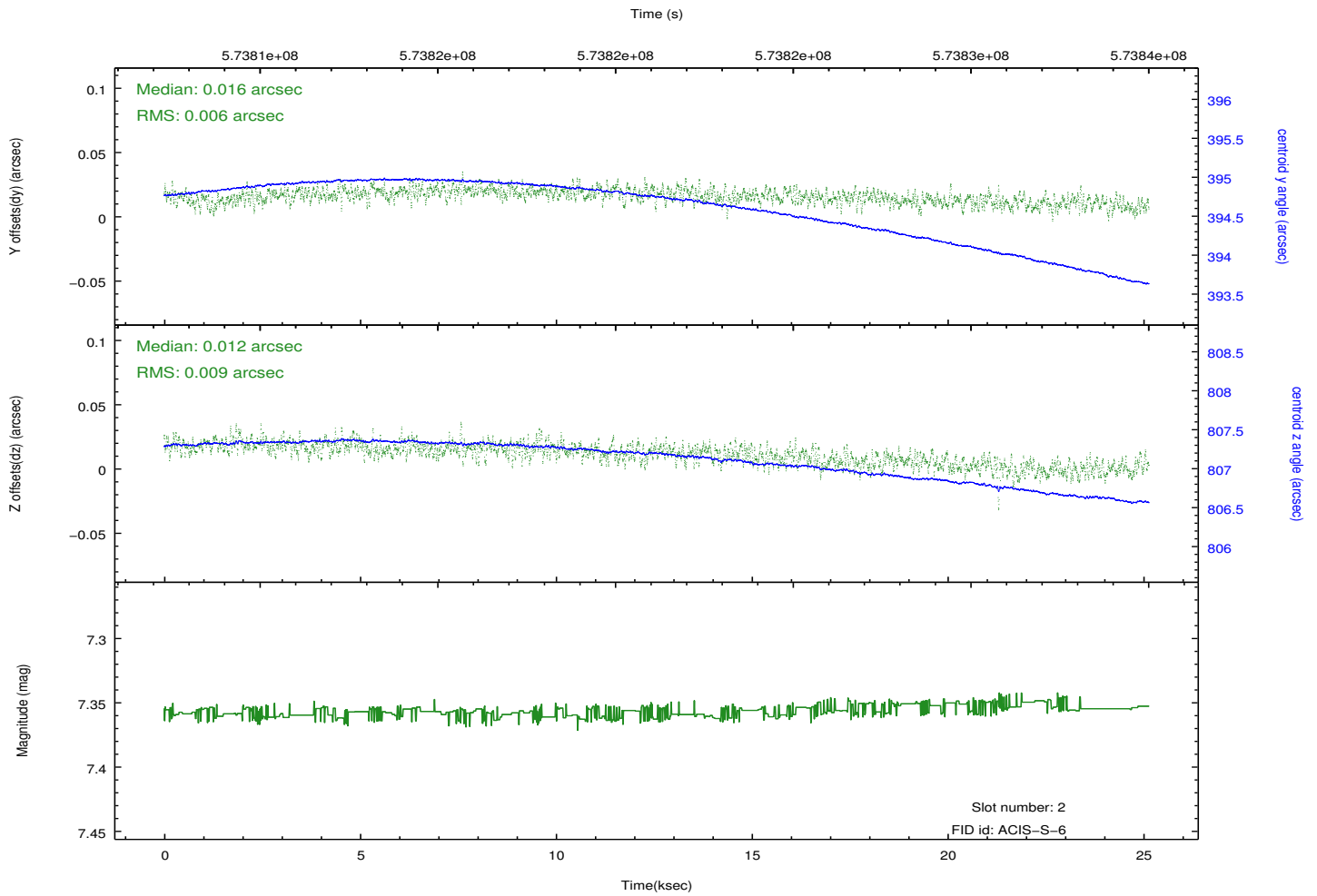
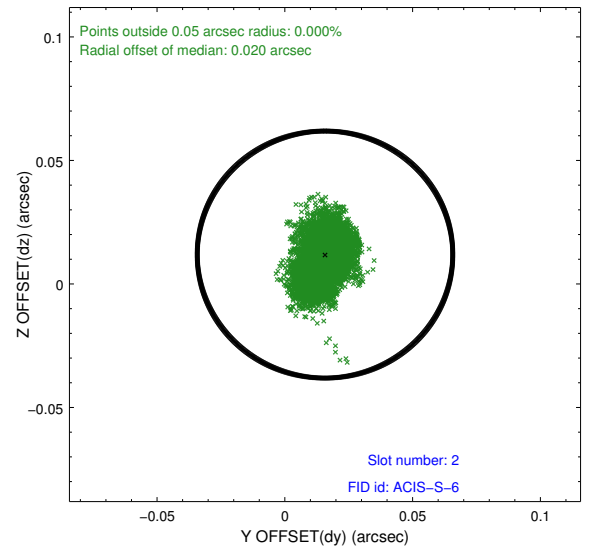
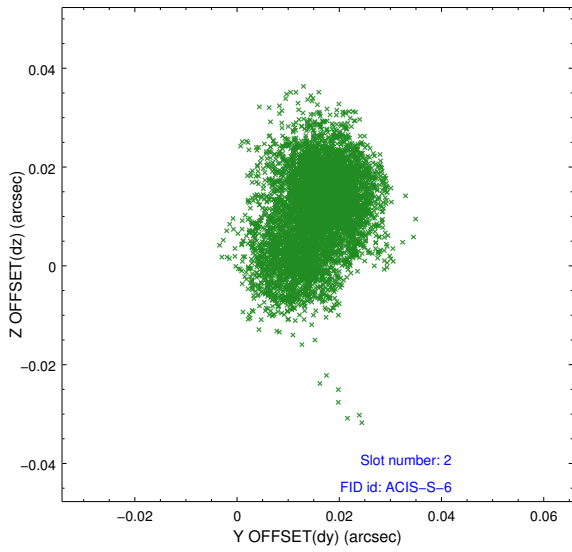
2.5.1 Slot 0



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)	2016.03.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.101

A.2 Comments