

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 16460 - L2 Version 1
Chandra X-Ray Center

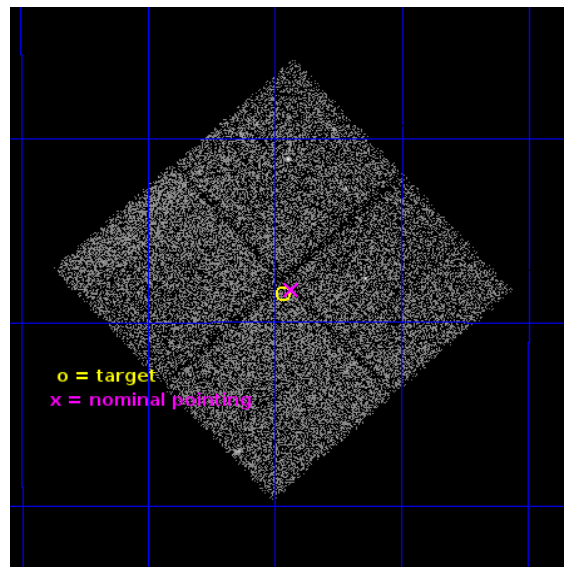
L2 Processing Date : Jun 16 2015

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1 Front

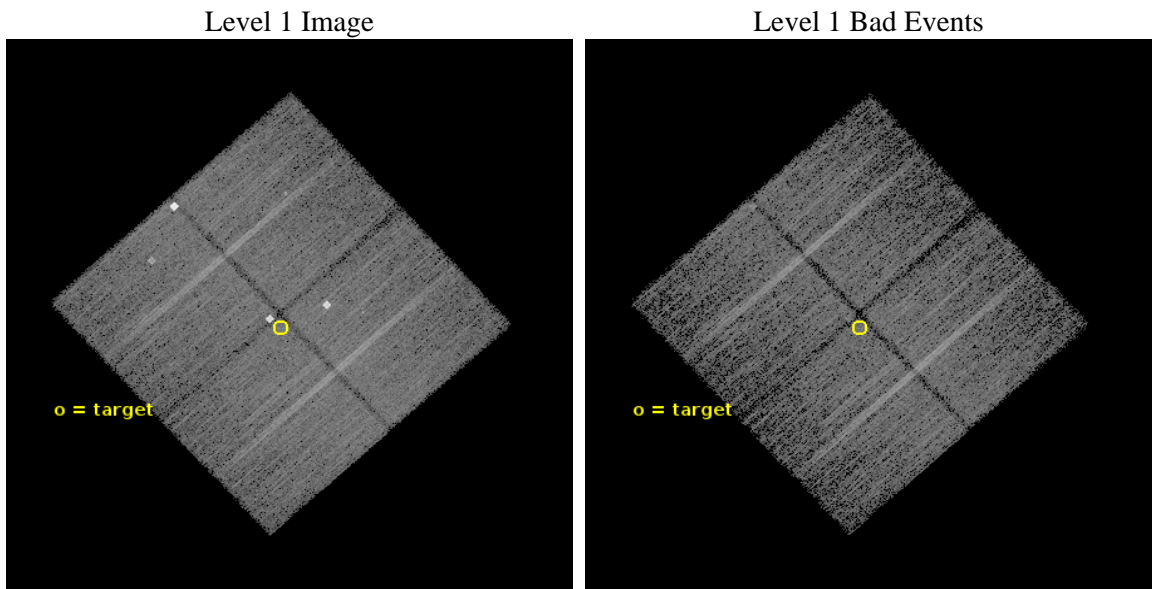
seq_num	901115	Sequence number
obs_id	16460	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. William Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events 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	53.10868382276	Nominal RA [deg]
dec_nom	-27.803878055172	Nominal Dec [deg]
roll_nom	137.70475339442	Nominal Roll [deg]
revision	1	Processing version of data
ontime	21721.659196973	Sum of GTIs [s]
livetime	21437.849728312	Livetime [s]
ontime0	21721.637025118	Sum of GTIs [s]
ontime1	21721.659196973	Sum of GTIs [s]
ontime2	21724.800167203	Sum of GTIs [s]
ontime3	21721.659196973	Sum of GTIs [s]
l2events	42311	Number of level 2 events



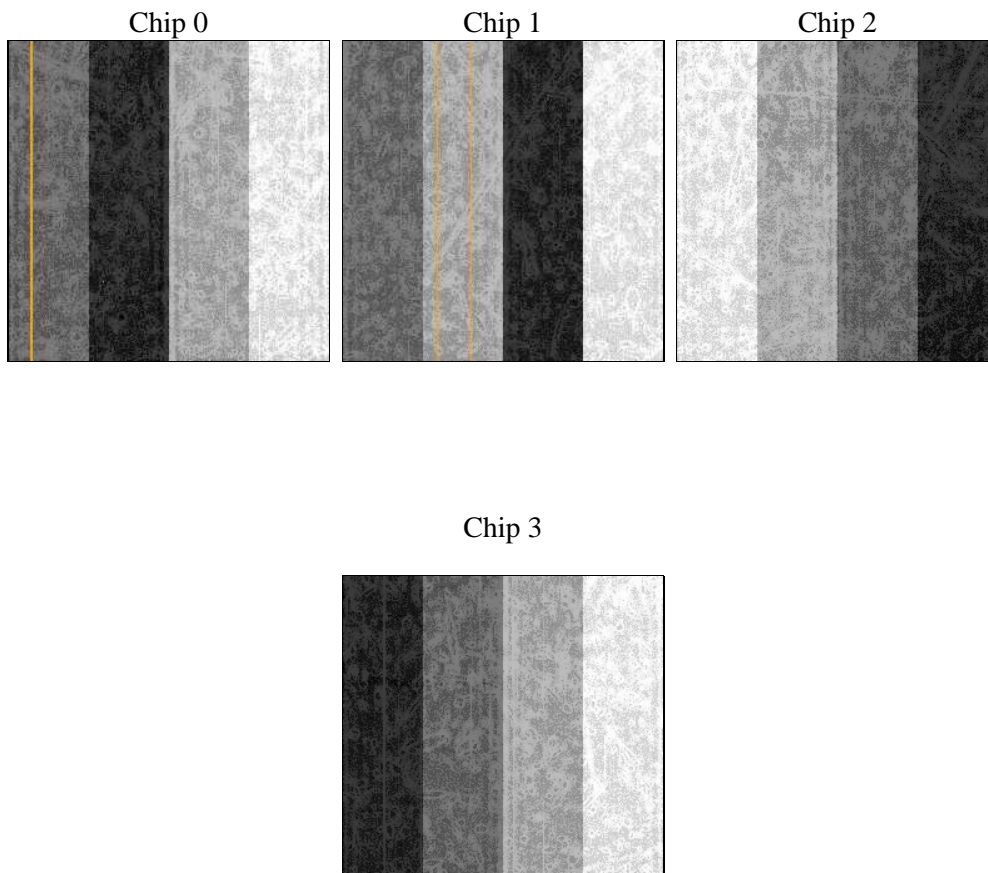
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21637.681000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	21721.659196973	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	21721.637025118	Sum of GTIs [s]
date	2015-06-17T01:29:47	Date and time of file creation	ontime1	21721.659196973	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	21724.800167203	Sum of GTIs [s]
			ontime3	21721.659196973	Sum of GTIs [s]
			l1events	450083	Number of level 1 events

2.1.4 Events

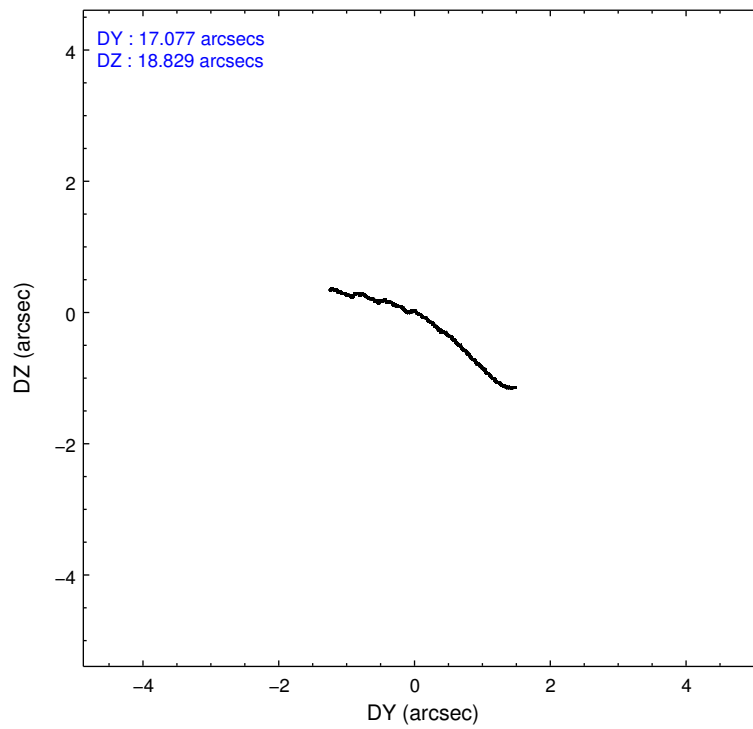
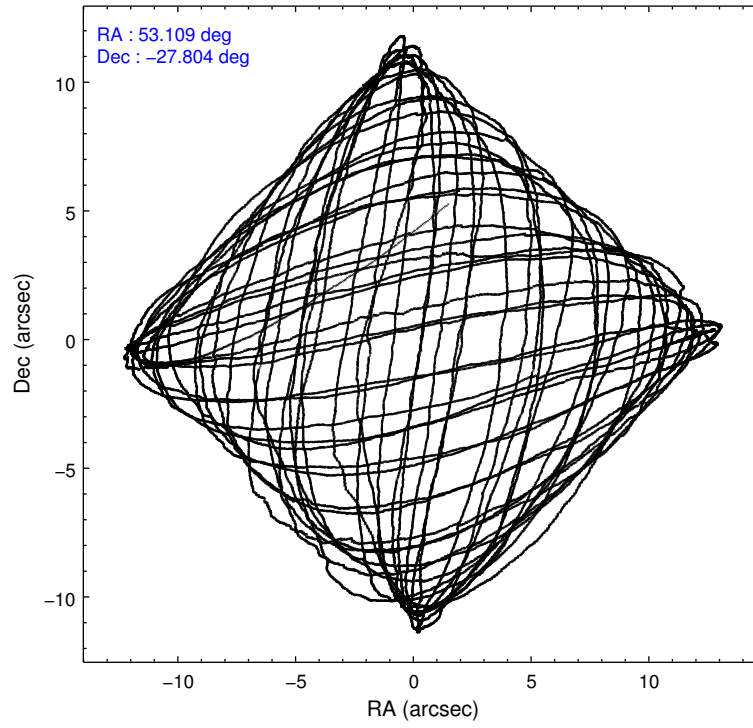
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	101692	123978	115964	108449
rejected events	88941	89394	97474	96588
rejected %	87%	72%	84%	89%

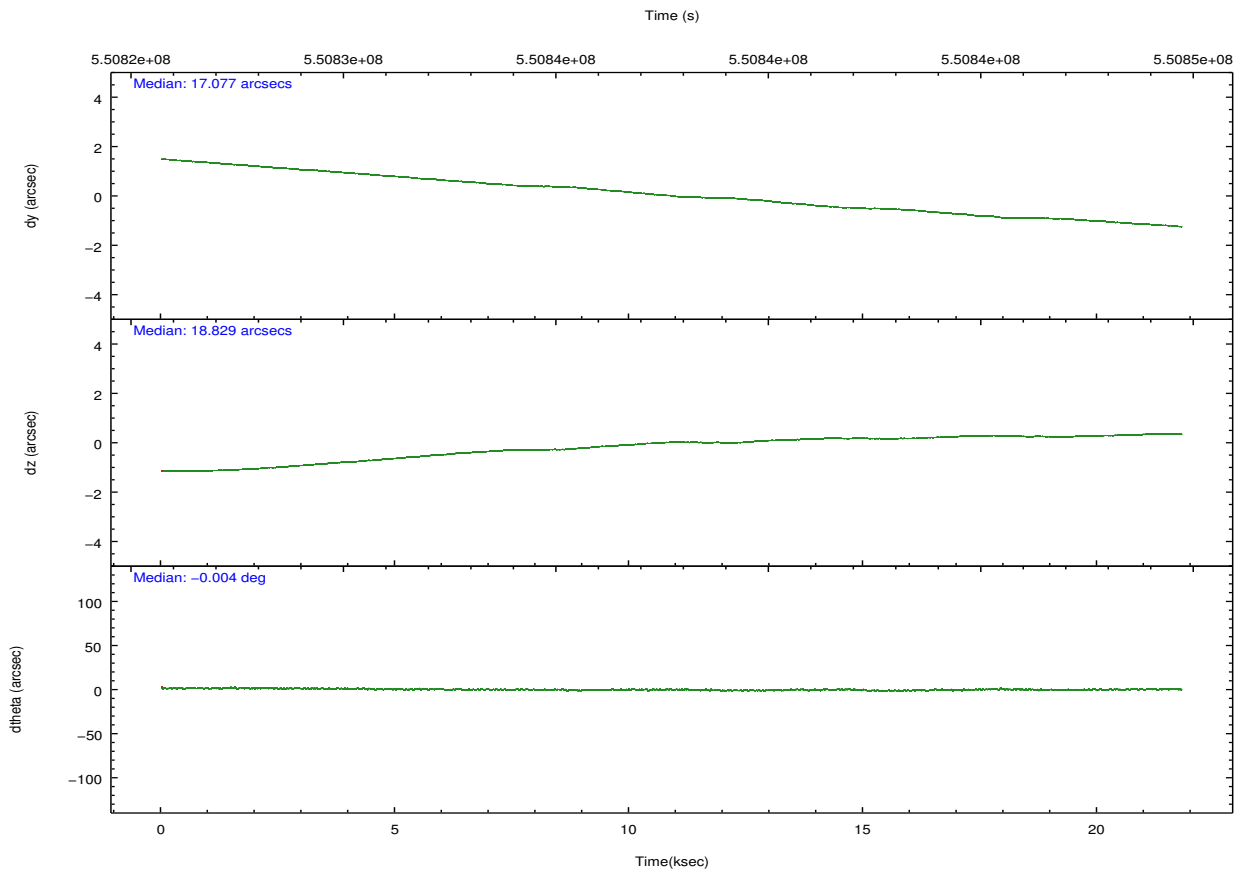
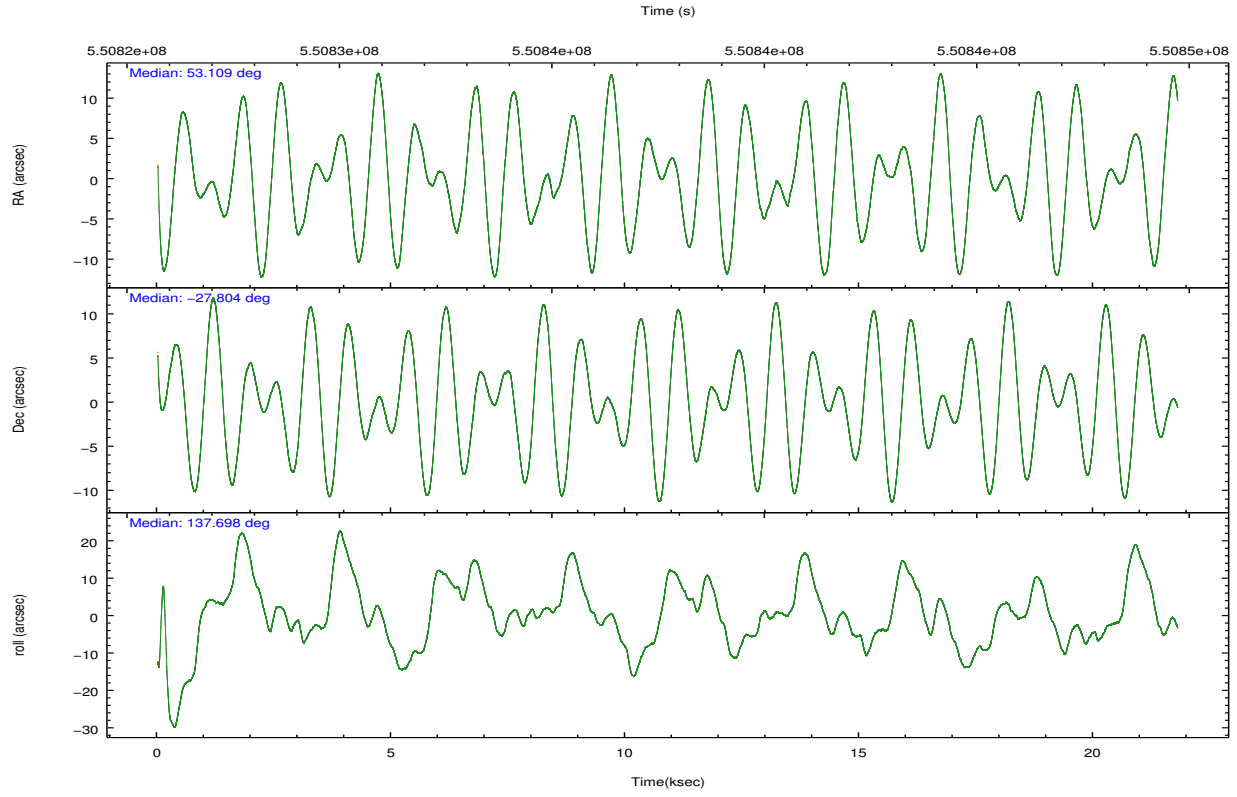
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	4452	18464	10862	4082
	4%	14%	9%	3%
grade 1 events	50	107	94	58
	0%	0%	0%	0%
grade 2 events	3093	10220	2717	2631
	3%	8%	2%	2%
grade 3 events	1308	1341	1265	1270
	1%	1%	1%	1%
grade 4 events	1248	1317	1281	1291
	1%	1%	1%	1%
grade 5 events	4821	5250	4434	5611
	4%	4%	3%	5%
grade 6 events	2655	3251	2367	2589
	2%	2%	2%	2%
grade 7 events	84065	84028	92944	90917
	82%	67%	80%	83%

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	53.139203	53.10868382275986	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.809667	-27.80387805517245	Alternating exposures requested	N	N
[deg] Pointing Roll	137.510320	137.704753394415	[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)	550827000.184000	550825741.0686899			
Observation start date	2015-06-16T07:28:53	2015-06-16T07:09:01			
[s] Observation end time (MET)	550848637.184000	550848874.29498			
Observation end date	2015-06-16T13:29:30	2015-06-16T13:34:34			
Read mode	TIMED	TIMED			

2.3 Aspect





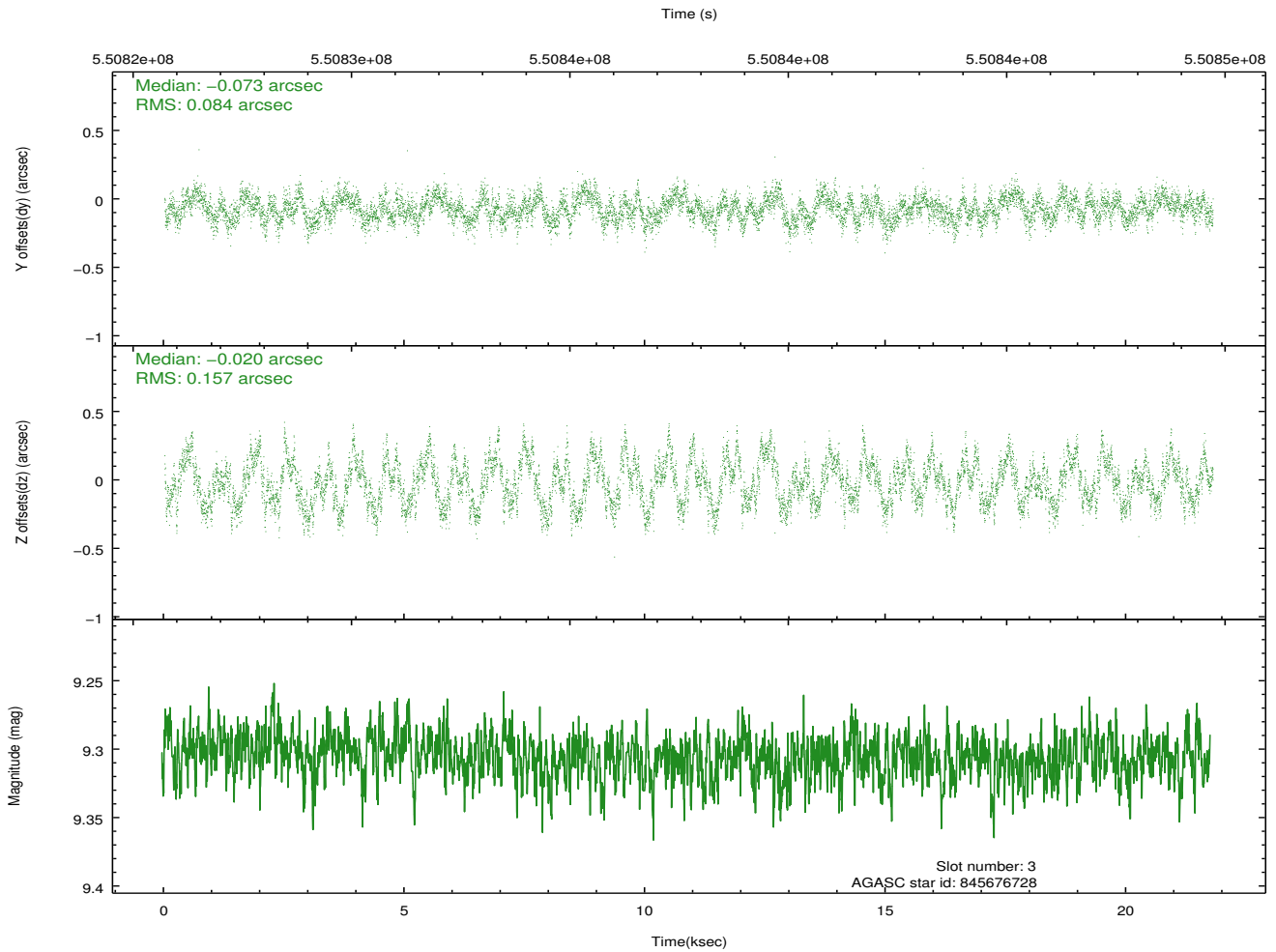
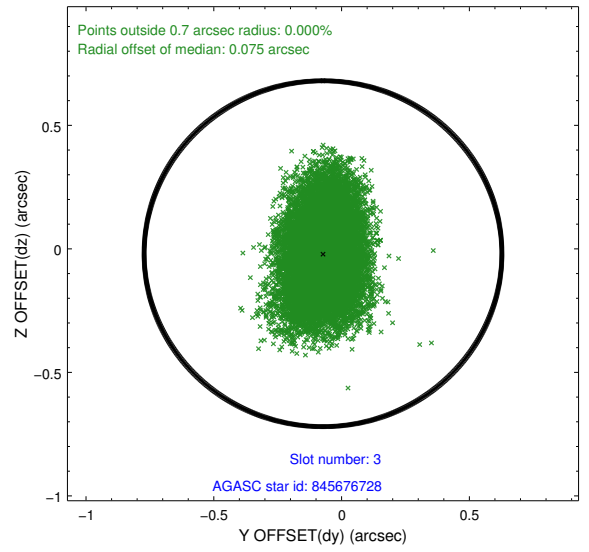
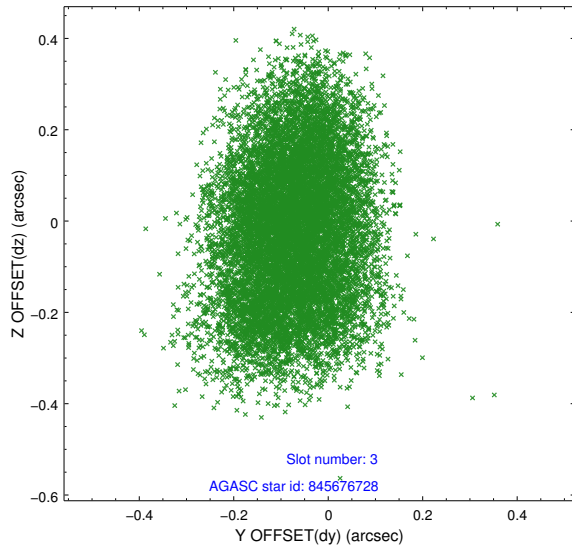
Slot Statistics

lot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-I-1	7.20	5315	0.050	0.025	0.015	0.045	0.000000	0.000000	922.34	-842.27
1	FID		ACIS-I-5	7.20	5315	-0.301	0.040	0.022	0.031	0.000000	0.000000	-1826.09	1055.07
2	FID		ACIS-I-6	7.20	5315	0.158	0.007	0.015	0.024	0.000000	0.000000	387.74	1699.75
3	GUIDE	used	845676728	9.31	10620	-0.073	-0.020	0.193	0.306	52.877179	-27.664318	969.03	179.47
4	GUIDE	used	845676936	9.47	10620	-0.186	0.128	0.147	0.232	52.843773	-27.880153	520.80	822.86
5	GUIDE	used	845807880	8.80	10623	0.185	0.489	0.102	0.163	53.382027	-27.886093	-755.63	-317.72
6	BAD	used	845808496	10.11	9888	-0.197	-0.338	0.283	0.452	53.777917	-27.725281	-1298.76	-1594.17
7	GUIDE	used	845816344	9.20	10621	0.251	-0.270	0.192	0.323	53.137522	-28.675689	-2101.95	2302.22

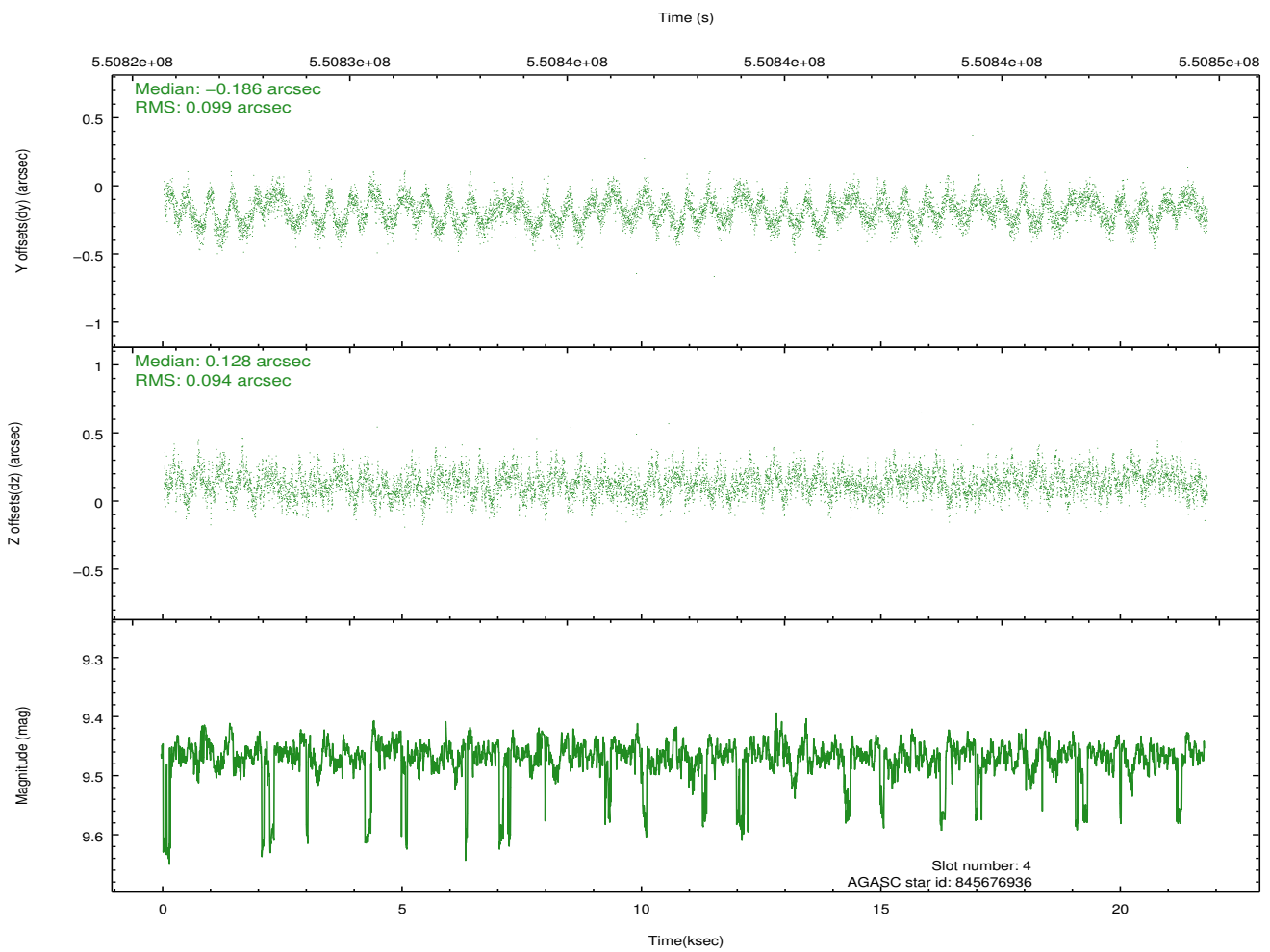
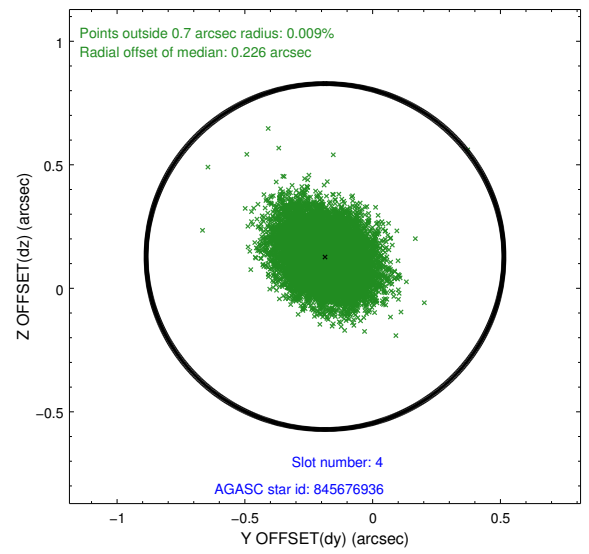
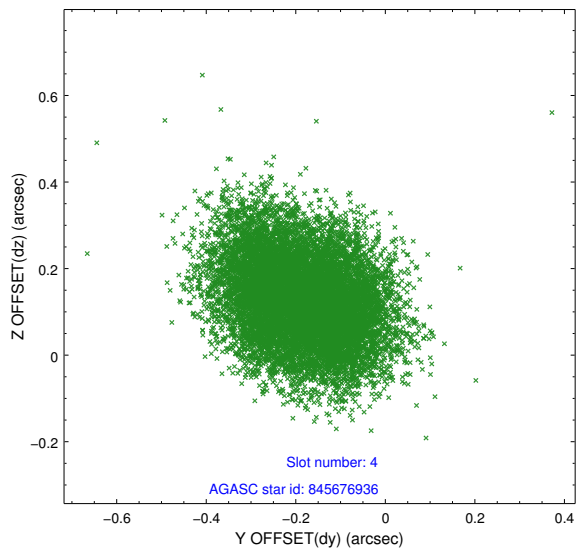
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2.4 Star Slots

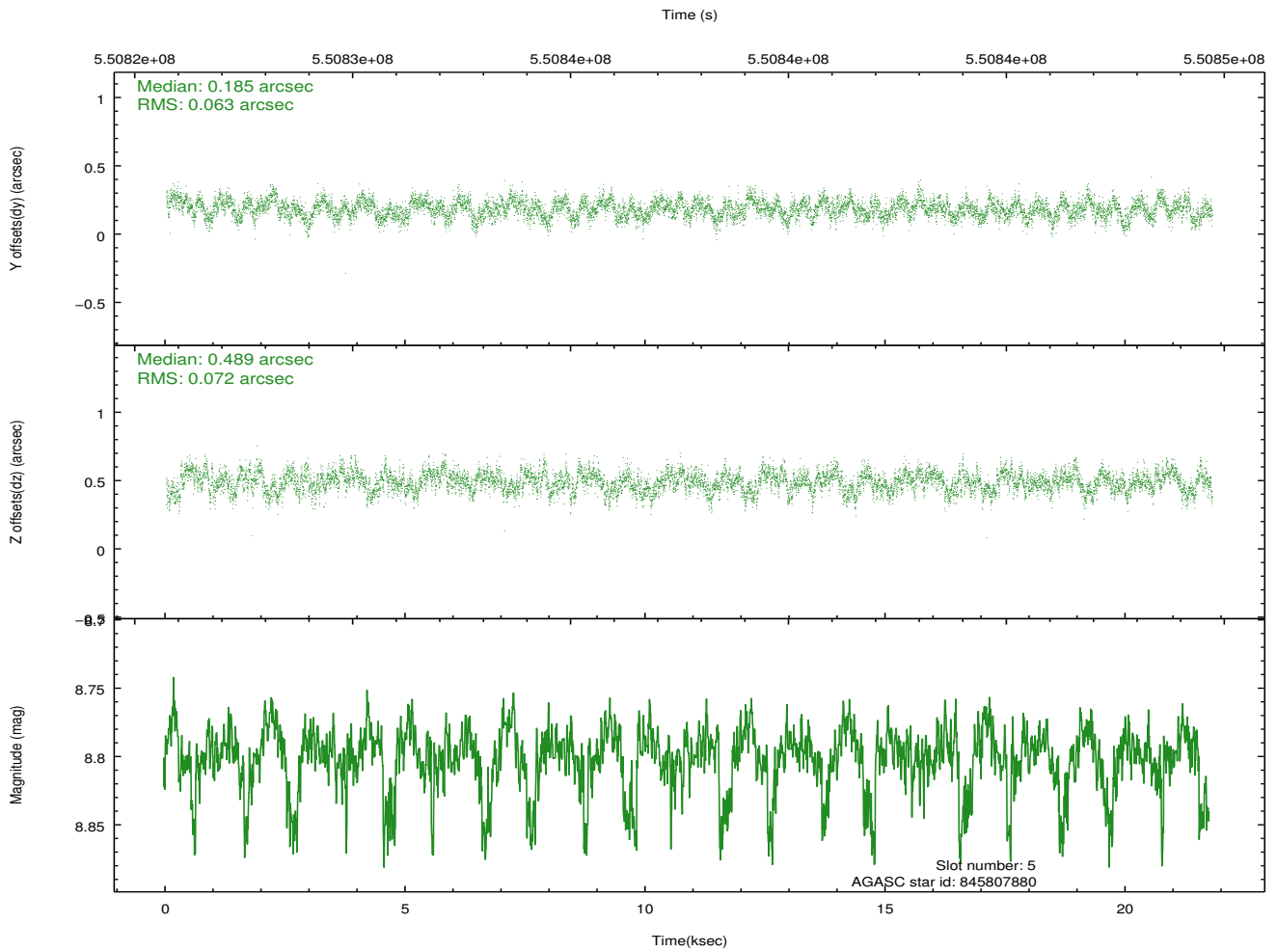
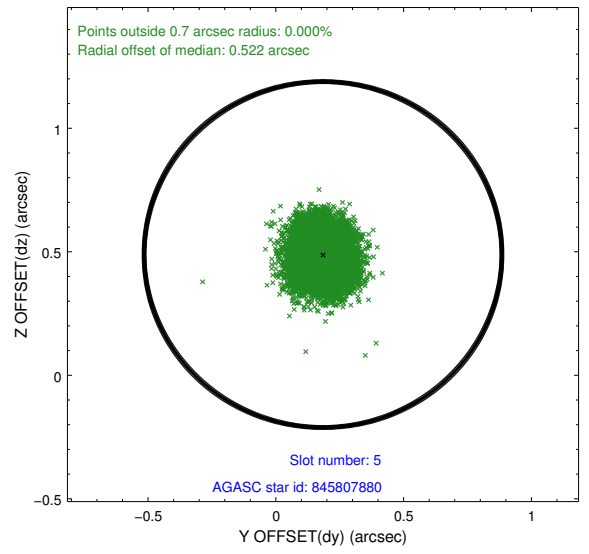
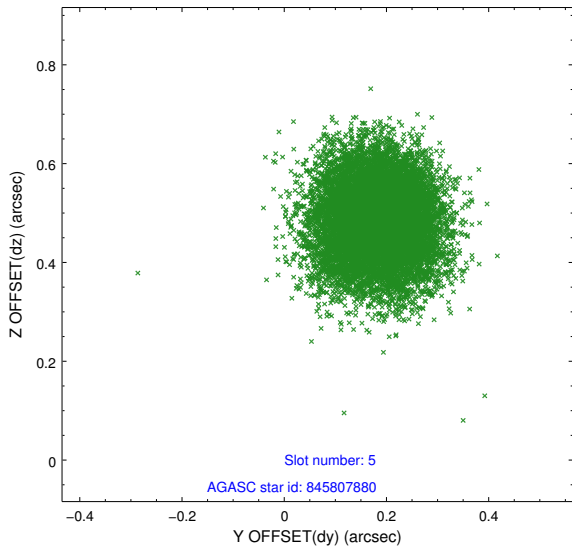
2.4.1 Slot 3



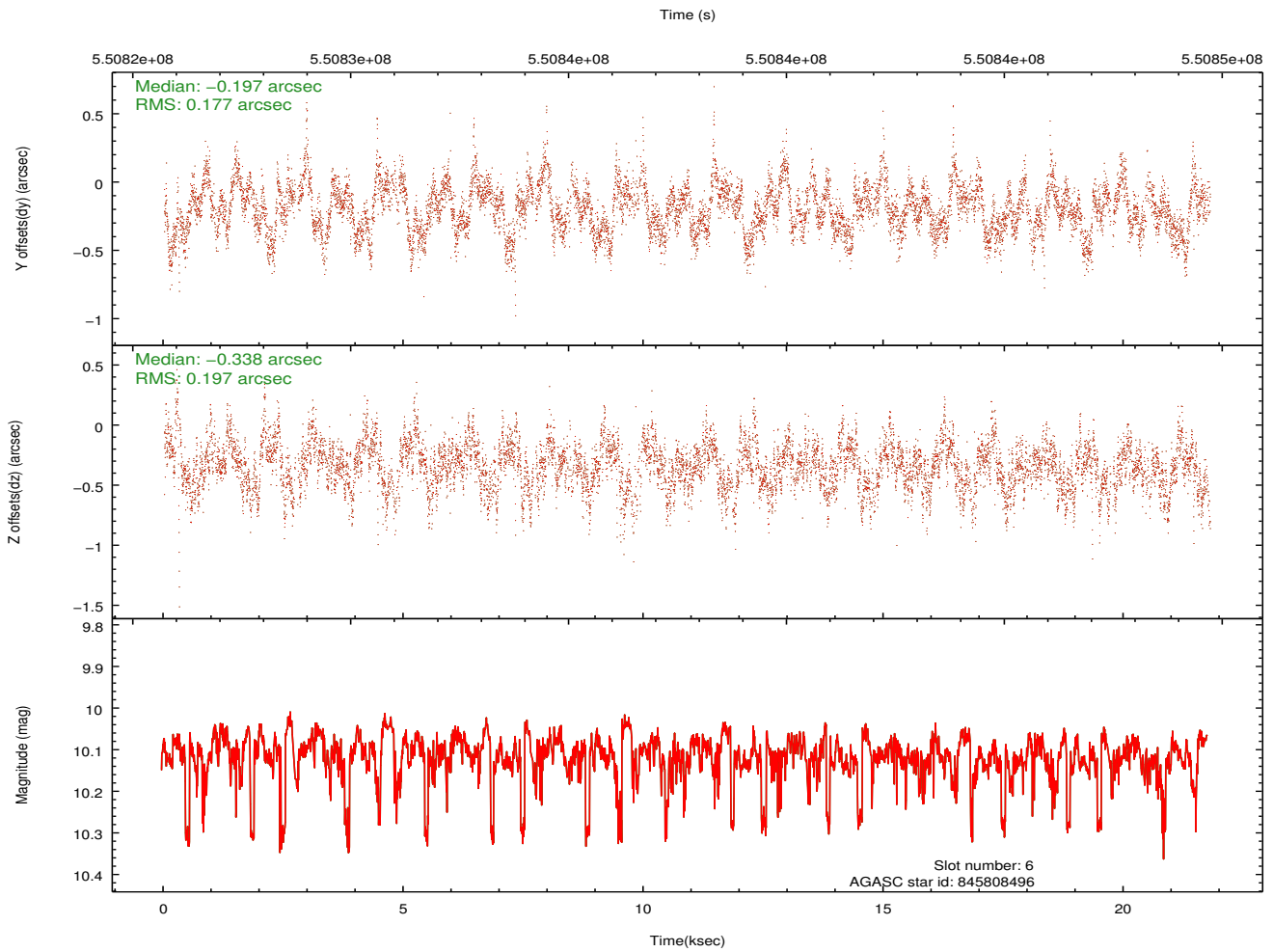
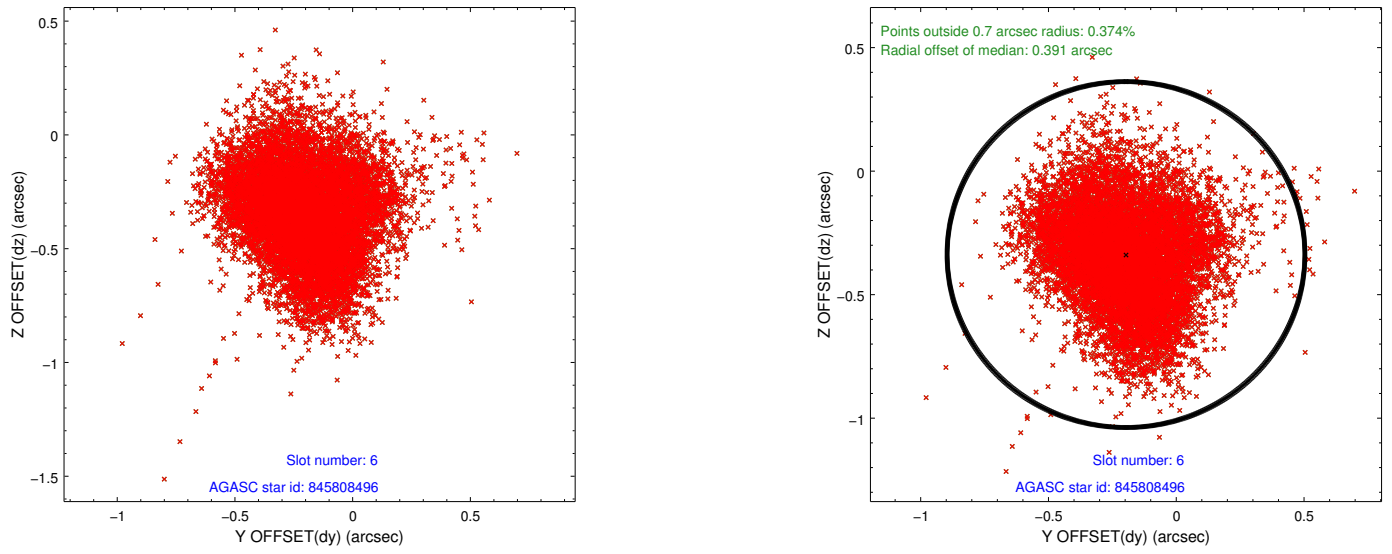
2.4.2 Slot 4



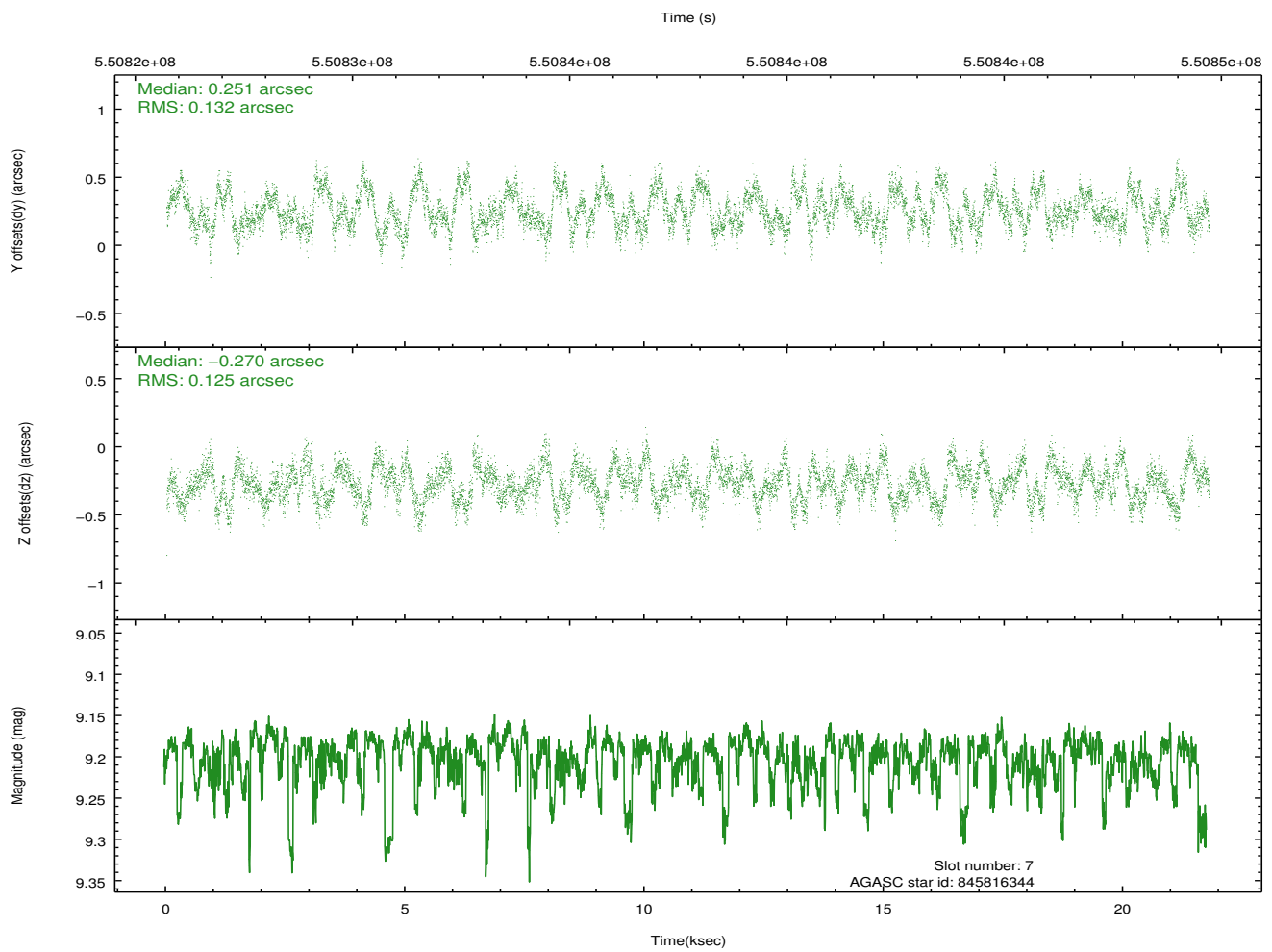
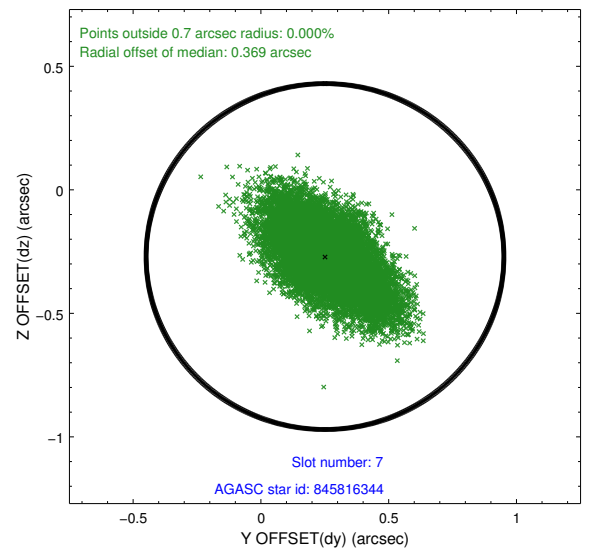
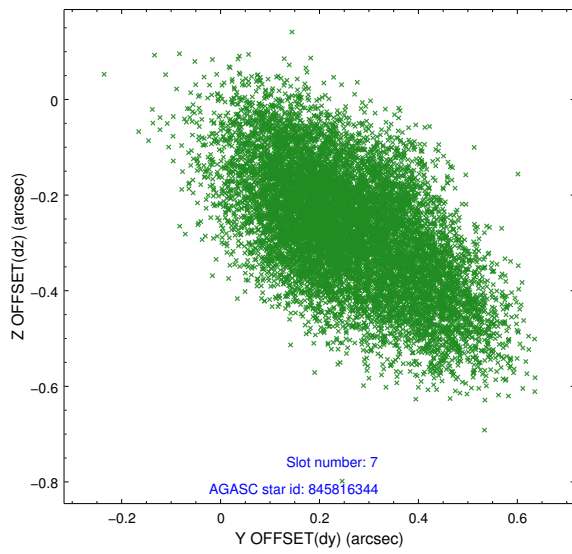
2.4.3 Slot 5



2.4.4 Slot 6

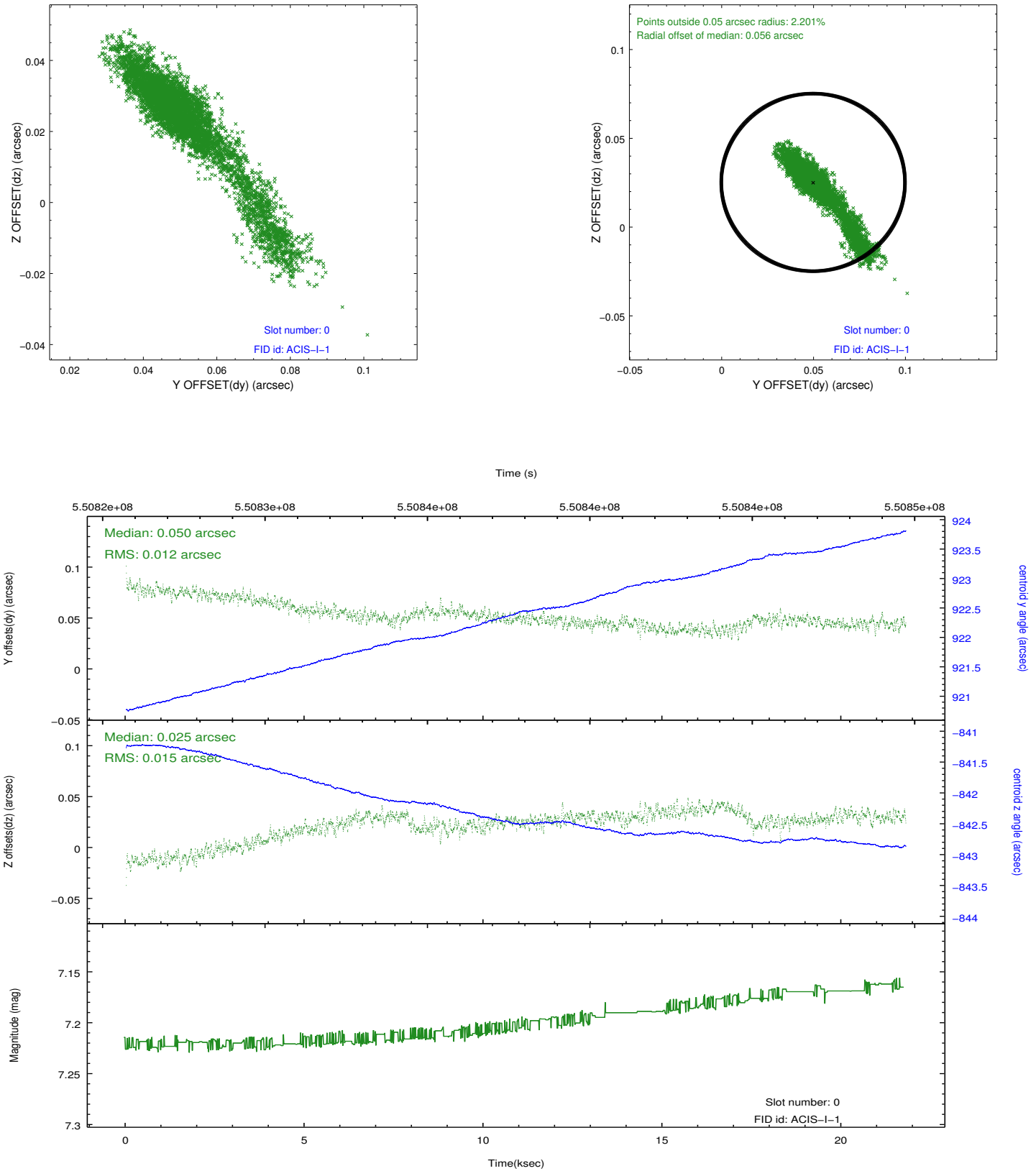


2.4.5 Slot 7

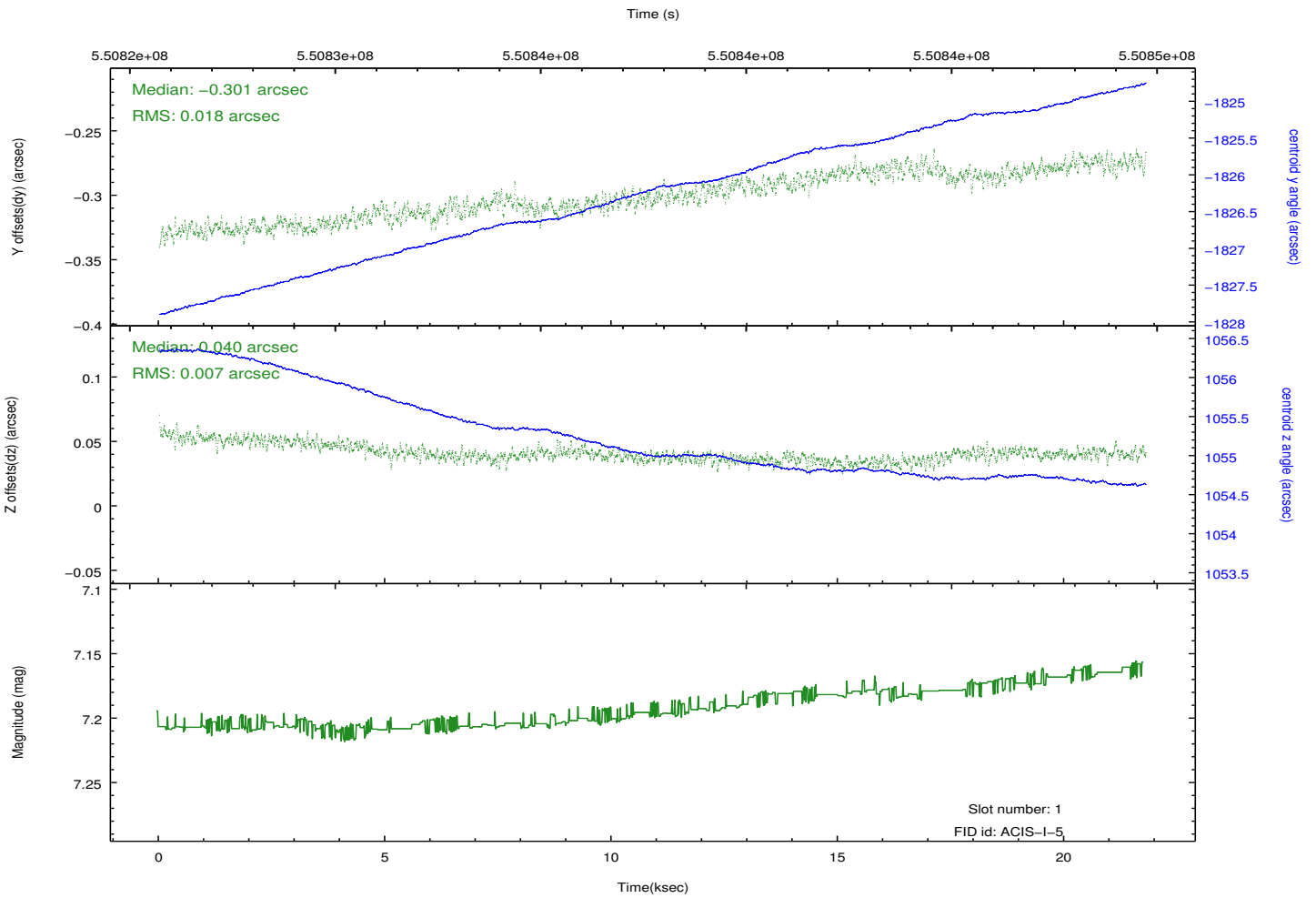
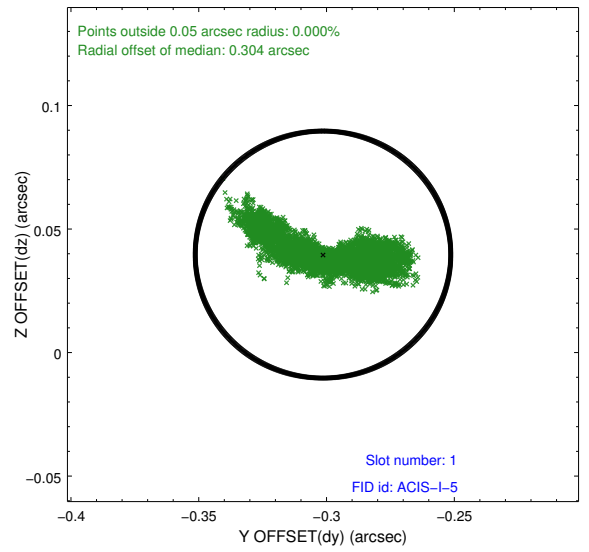
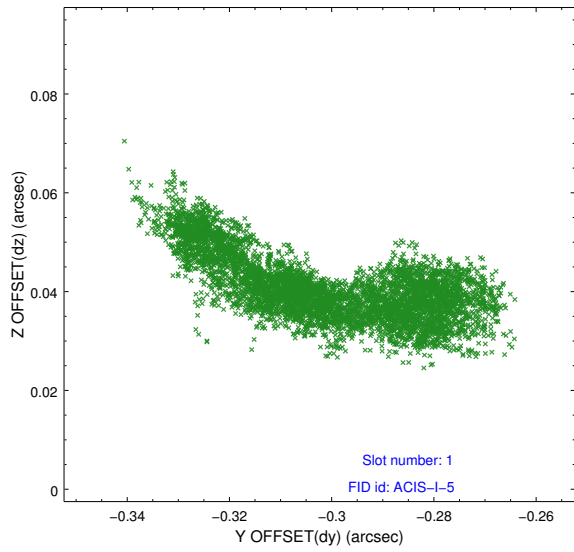


2.5 FID Slots

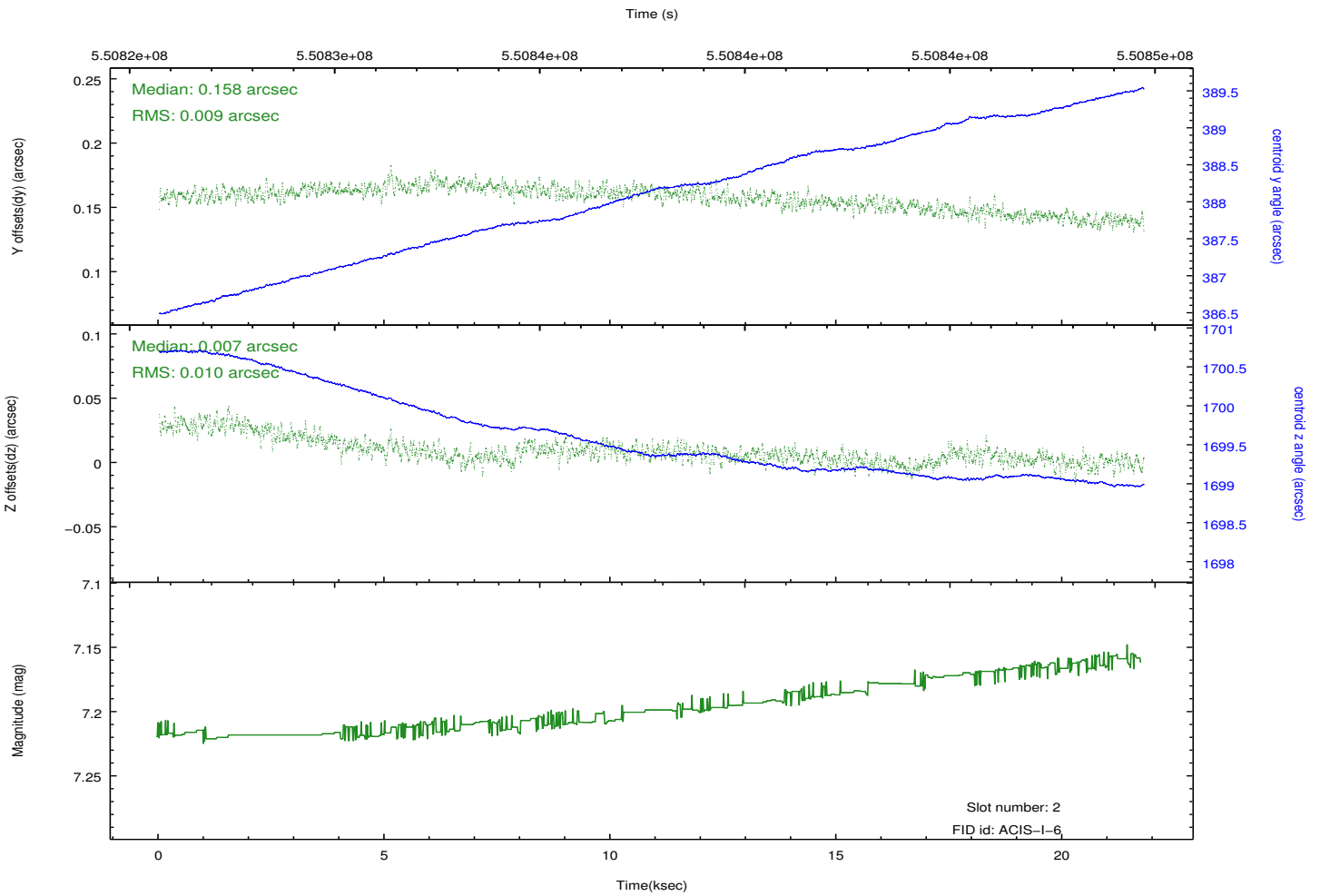
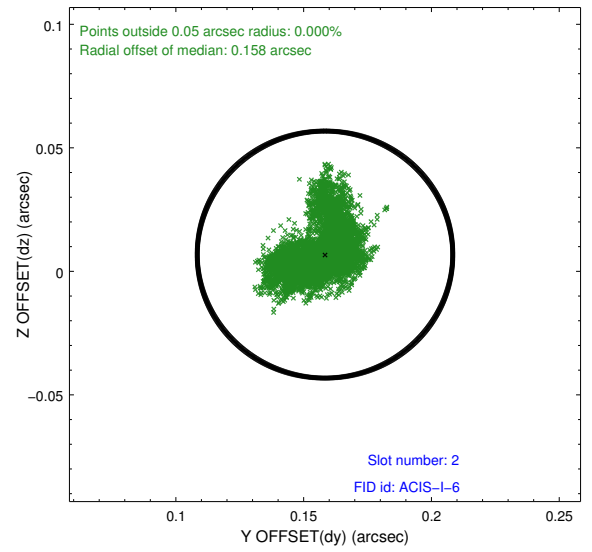
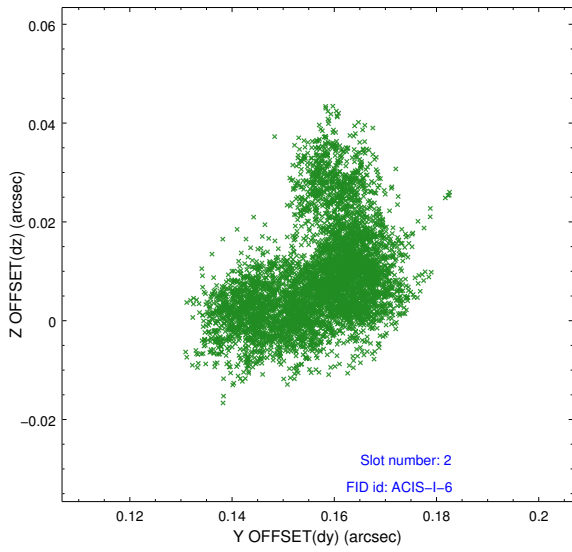
2.5.1 Slot 0



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)	2015.06.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.721659196973

A.2 Comments