

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17689 - L2 Version 1
Chandra X-Ray Center

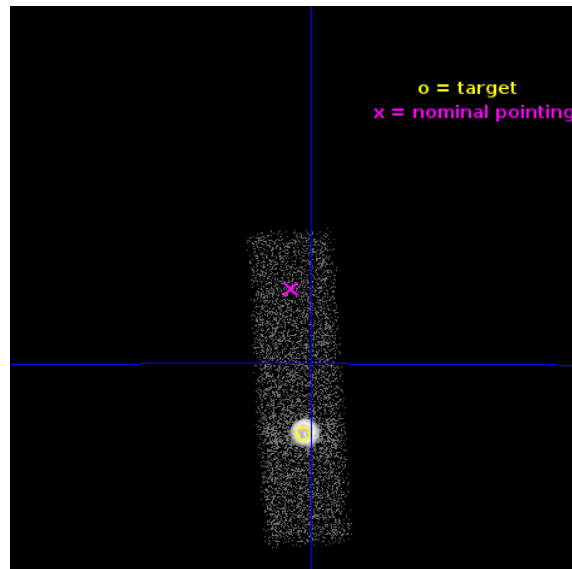
L2 Processing Date : Jul 18 2015

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1 Front

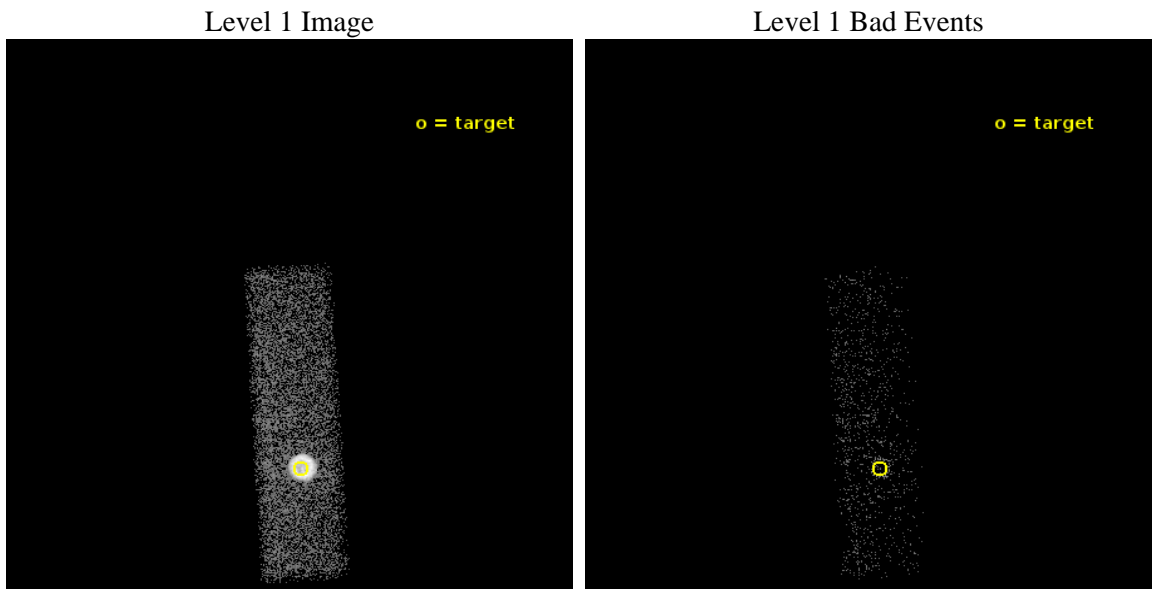
seq_num	590544	Sequence number
obs_id	17689	Observation id
title	Measuring the Spatial Distribution of the ACIS contaminant with E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.027196901716	Nominal RA [deg]
dec_nom	-71.966150510502	Nominal Dec [deg]
roll_nom	86.89673546646	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10063.999400139	Sum of GTIs [s]
livetime	9572.9091602196	Livetime [s]
ontime7	10063.999400139	Sum of GTIs [s]
l2events	33064	Number of level 2 events



2 OBI

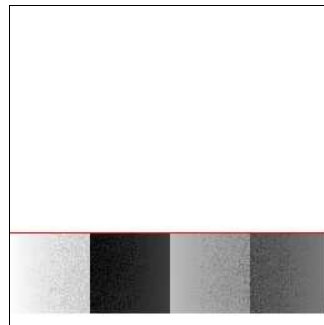
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	10063.999400139	Sum of GTIs [s]
caldbver	4.6.8	 	ontime7	10063.999400139	Sum of GTIs [s]
date	2015-07-18T12:38:32	Date and time of file creation	l1events	40123	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

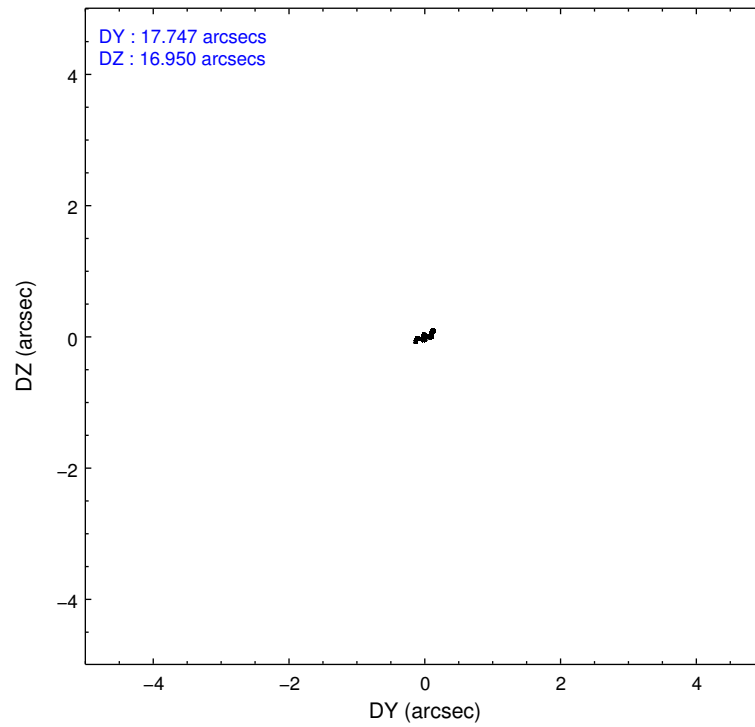
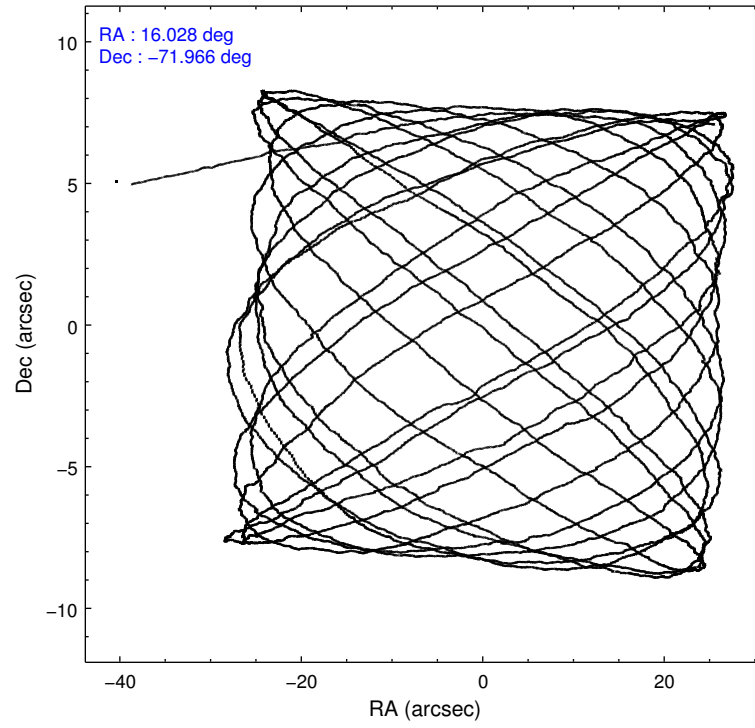
	ccd 7
level 1 events	40123
rejected events	6854
rejected %	17%

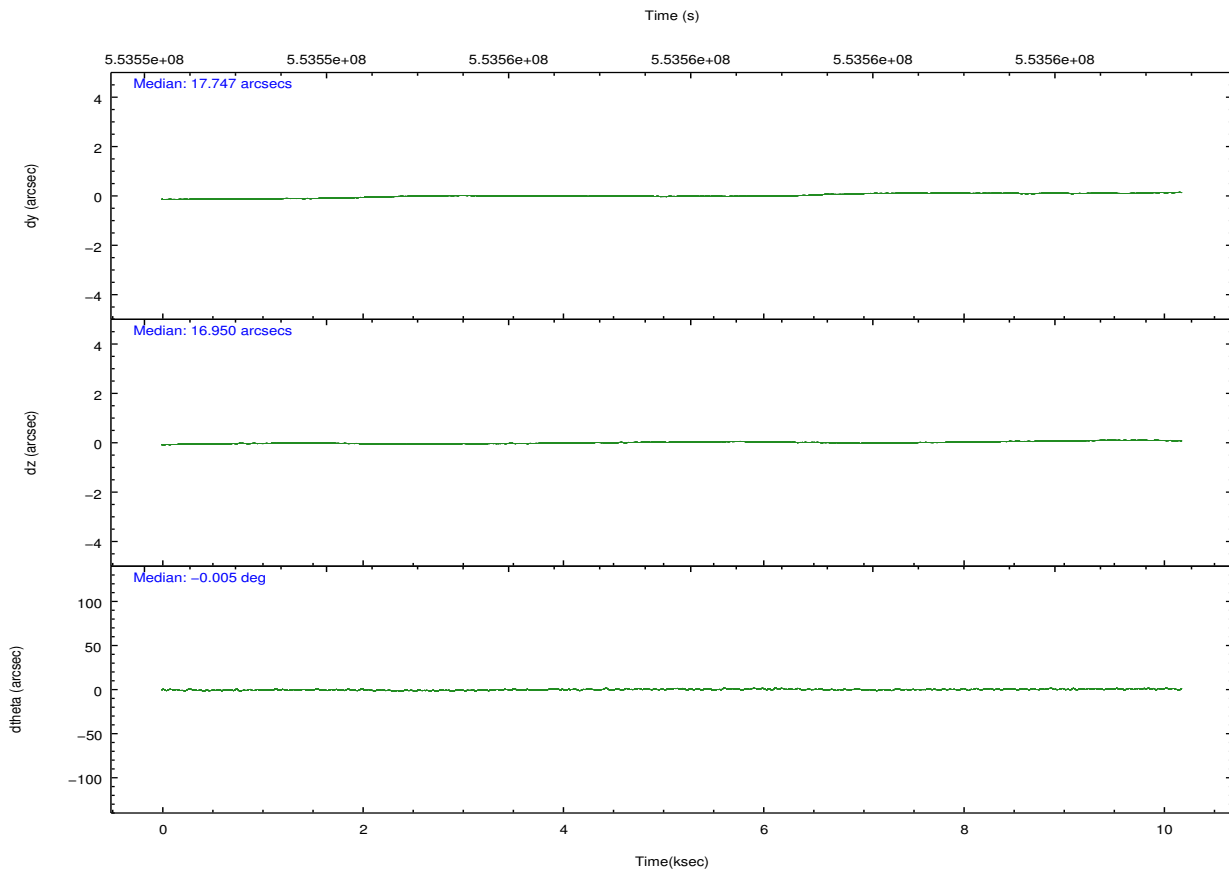
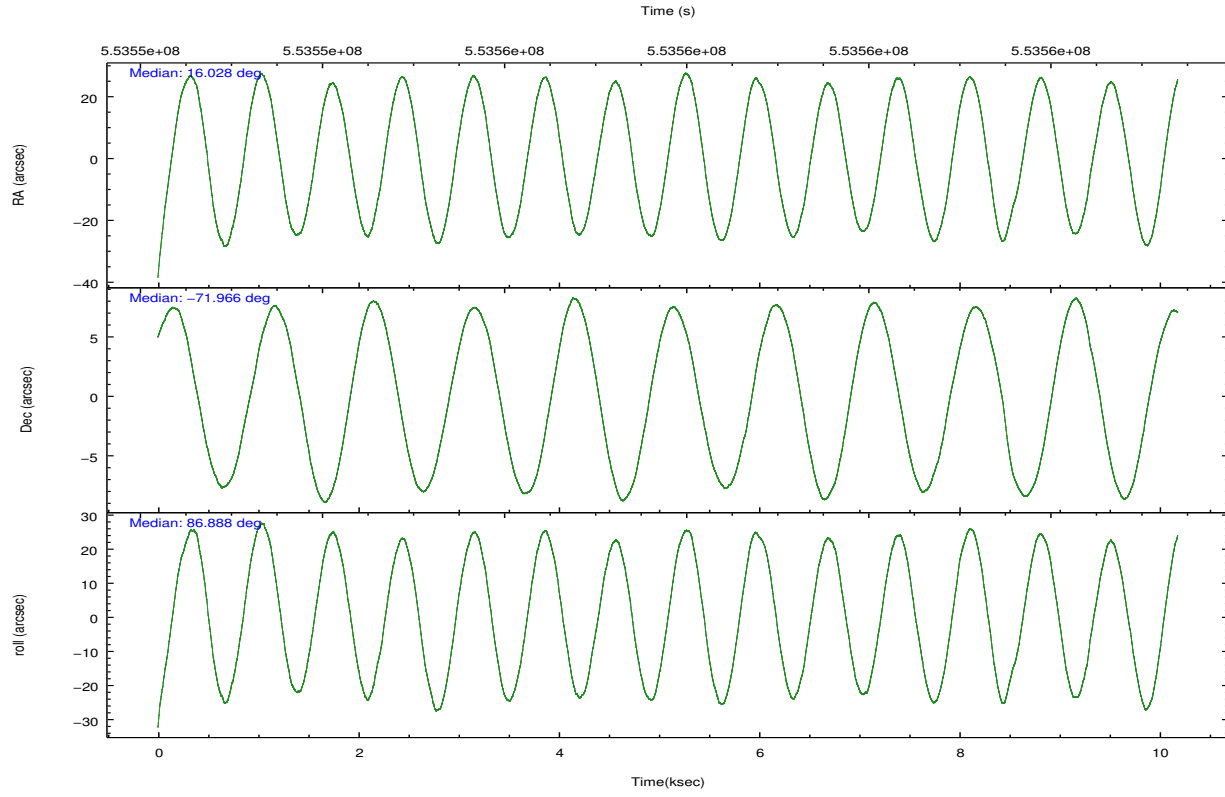
	ccd 7
grade 0 events	9201
	22%
grade 1 events	30
	0%
grade 2 events	8640
	21%
grade 3 events	4027
	10%
grade 4 events	4064
	10%
grade 5 events	1575
	3%
grade 6 events	7341
	18%
grade 7 events	5245
	13%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	16.068460	16.02719690171575	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-71.990494	-71.96615051050166	Subarray start row	42	42
[deg] Pointing Roll	86.779341	86.89673546646004	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-182.432523	-182.4387182811936			
[mm] SIM translation stage offset	-7.7	-7.693804301814197			
[s] Observation start time (MET)	553552878.184000	553552197.1471			
Observation start date	2015-07-17T20:40:10	2015-07-17T20:29:57			
[s] Observation end time (MET)	553562878.184000	553563011.41021			
Observation end date	2015-07-17T23:26:50	2015-07-17T23:30:11			
Read mode	TIMED	TIMED			

2.3 Aspect



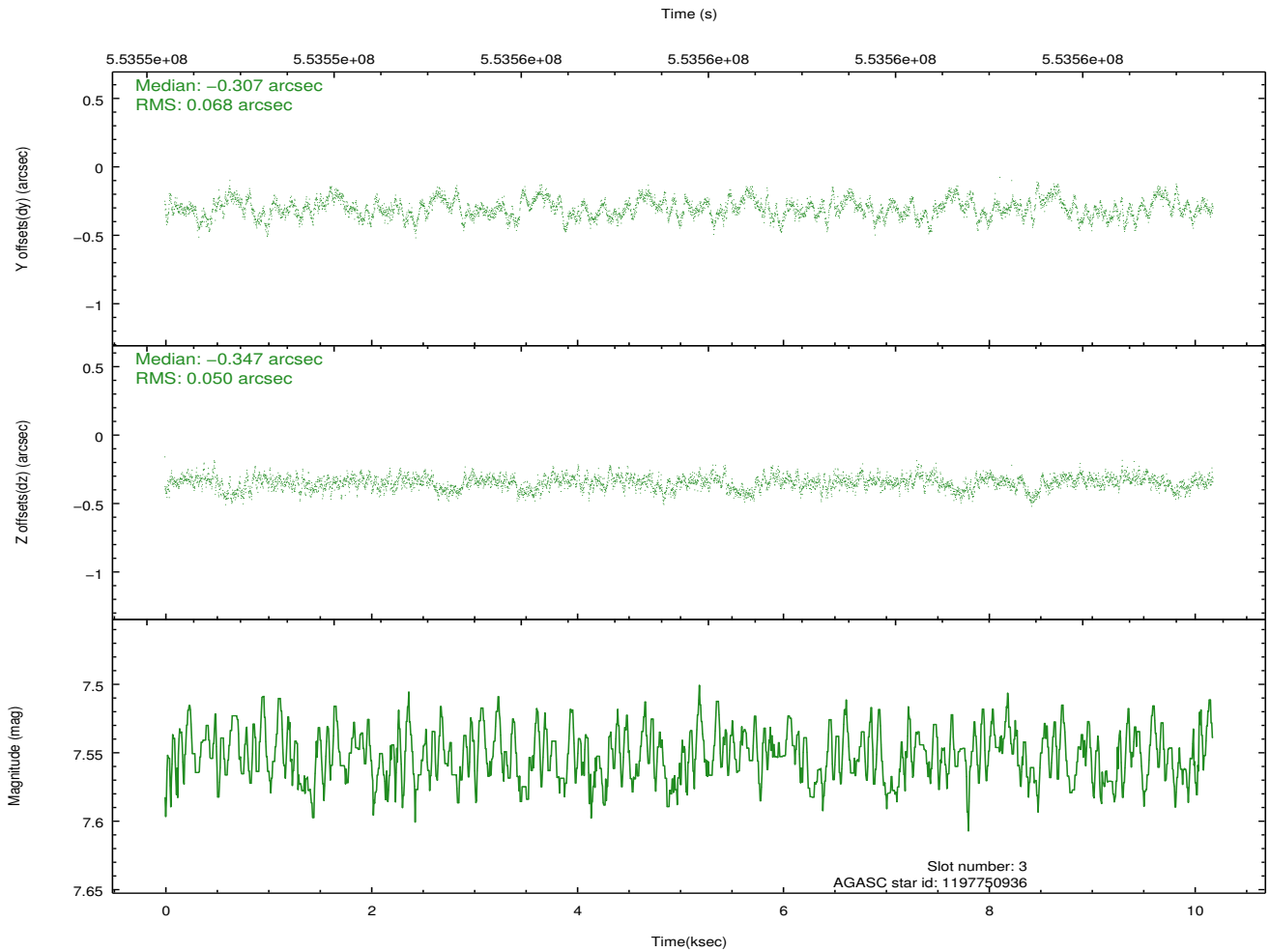
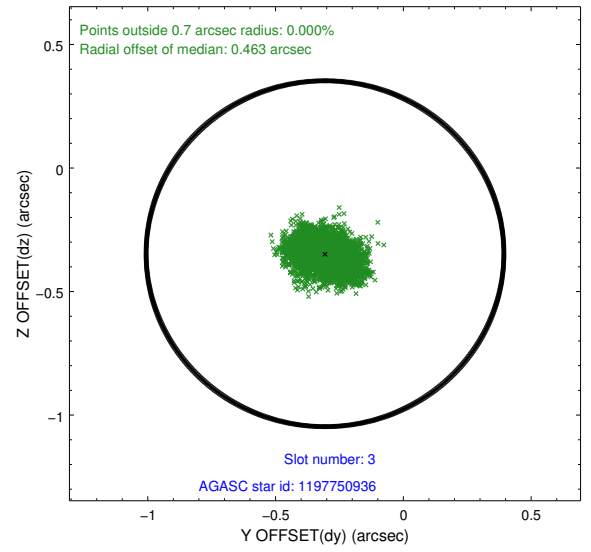
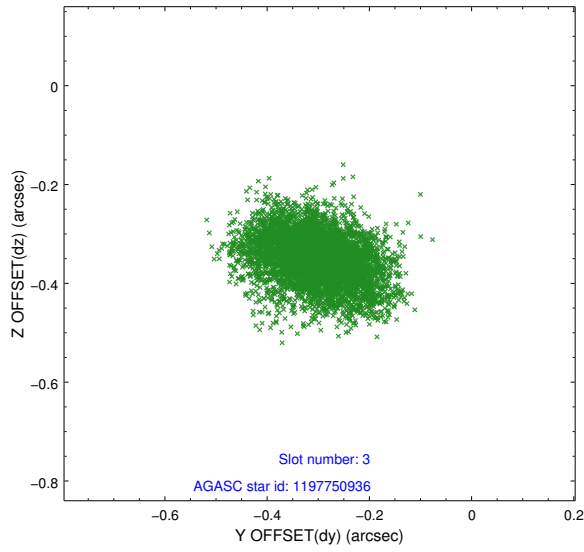


Slot Statistics

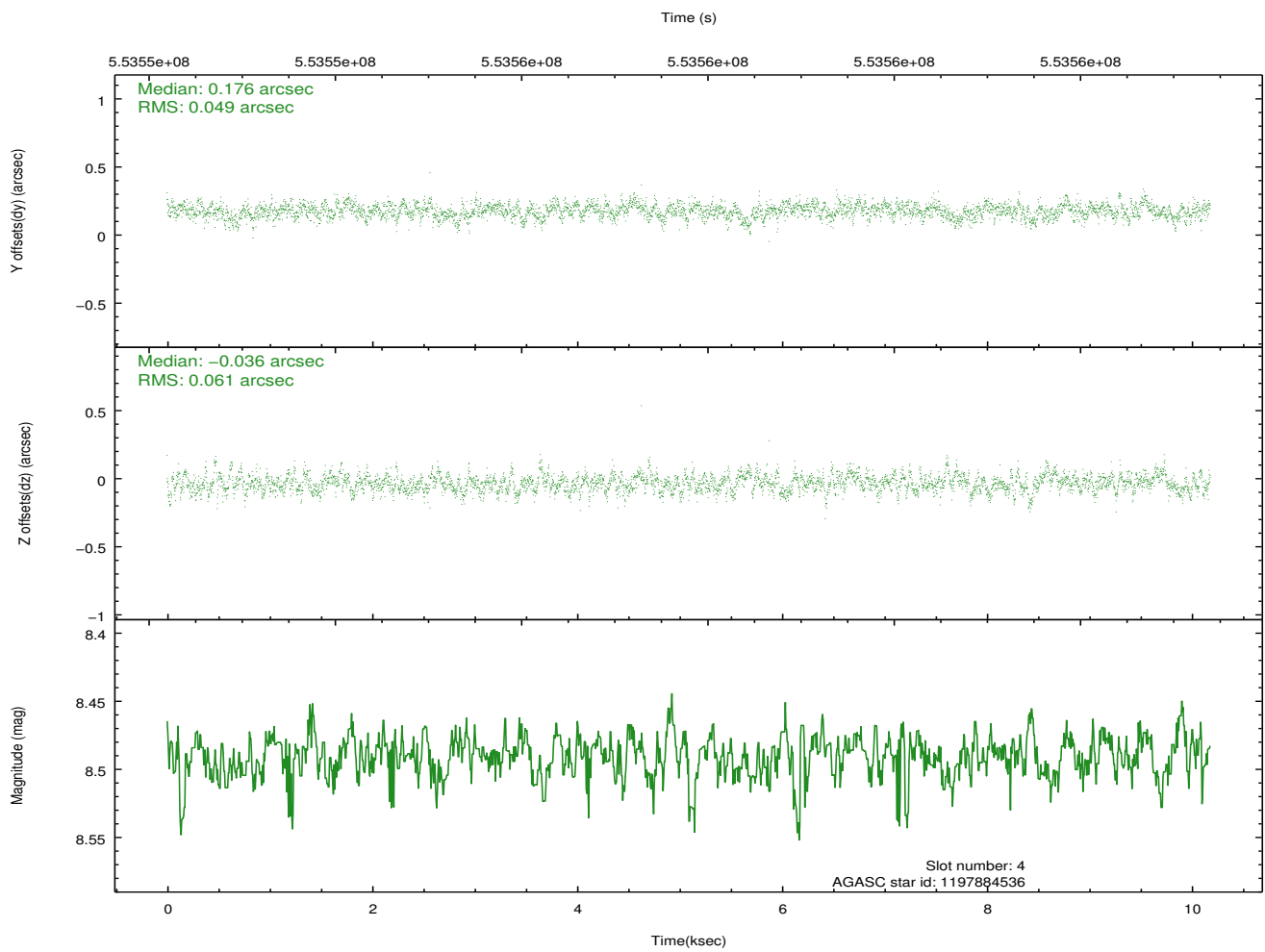
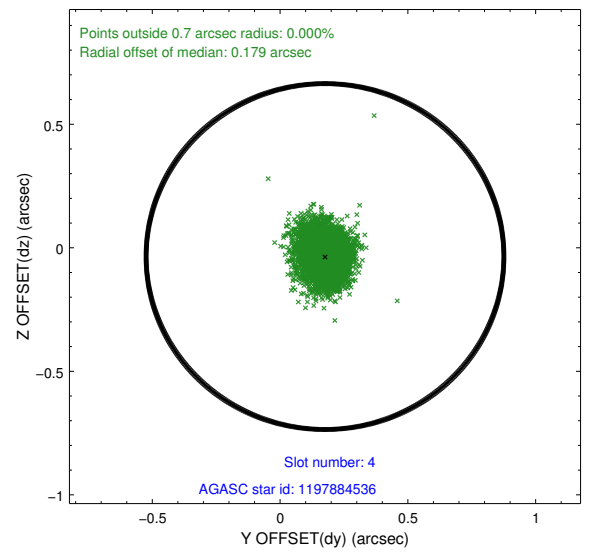
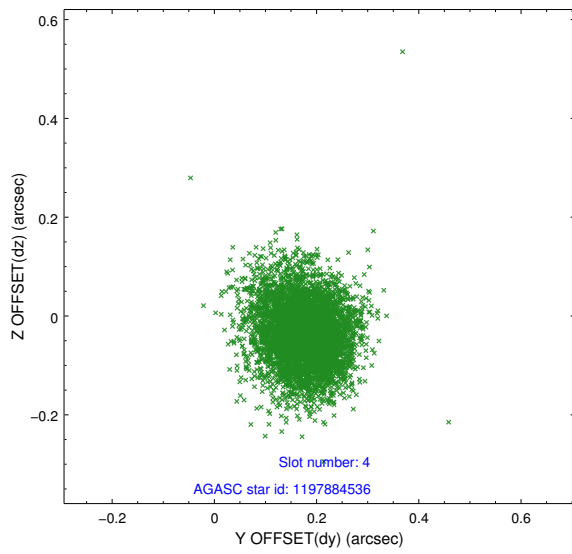
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.15	2484	-0.031	0.104	0.006	0.011	0.000000	0.000000	925.74	-1892.43
1	FID		ACIS-S-4	7.14	2484	0.128	-0.039	0.006	0.010	0.000000	0.000000	2143.60	10.96
2	FID		ACIS-S-6	7.34	2484	-0.120	-0.054	0.007	0.012	0.000000	0.000000	392.27	648.91
3	GUIDE	used	1197750936	7.55	4967	-0.307	-0.347	0.091	0.148	15.387940	-71.549550	1536.09	863.00
4	GUIDE	used	1197884536	8.49	4964	0.176	-0.036	0.082	0.139	17.160729	-71.835289	616.51	-1192.58
5	GUIDE	used	1197885104	9.33	4967	0.258	0.201	0.120	0.200	17.845067	-72.189368	-633.88	-1994.09
6	GUIDE	used	1197885328	7.24	4968	-0.163	0.030	0.077	0.125	16.283090	-71.733943	936.07	-191.46
7	GUIDE	used	1198283128	7.89	4967	0.039	0.153	0.081	0.129	17.272580	-72.642428	-2282.90	-1423.75

2.4 Star Slots

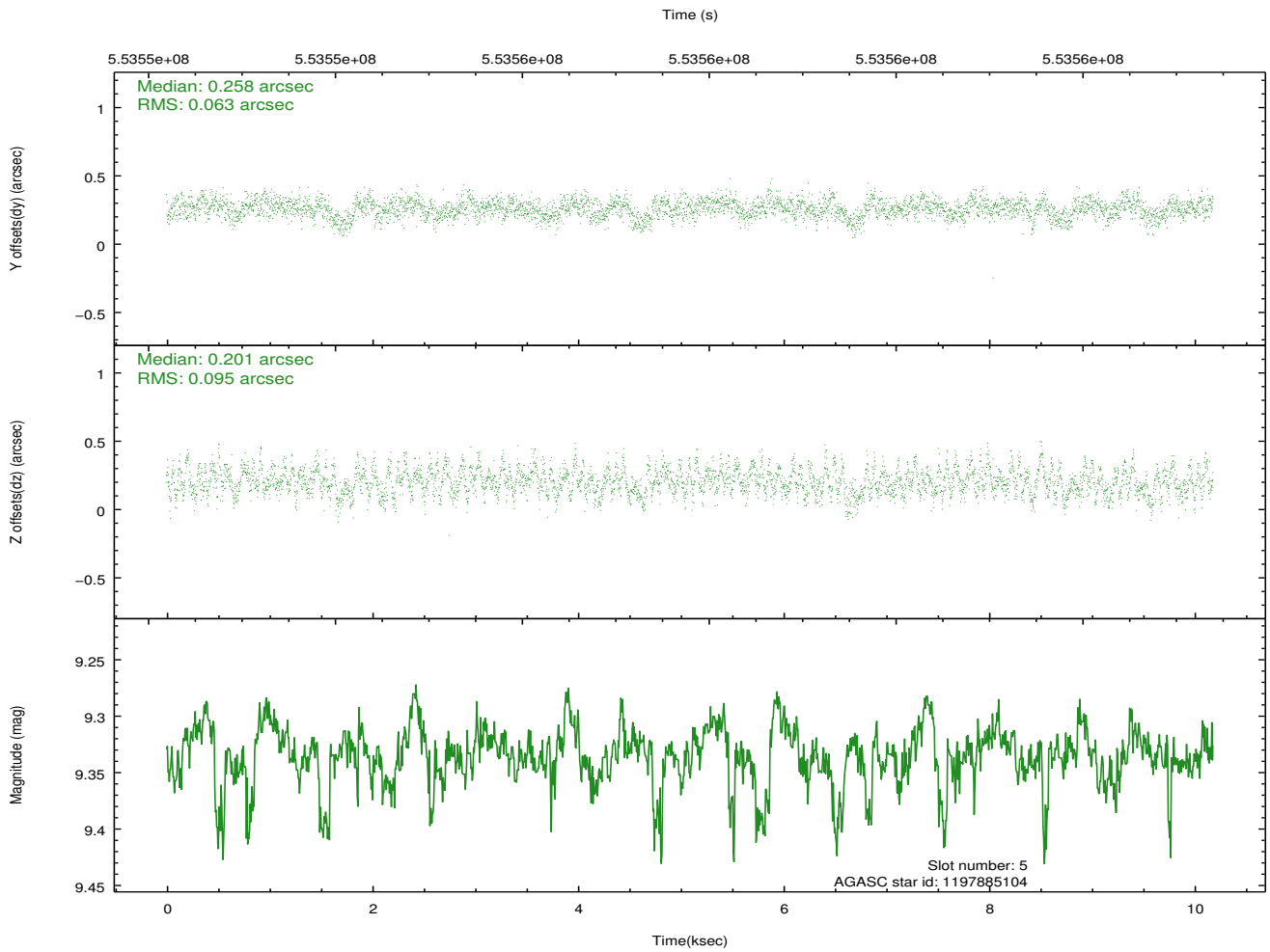
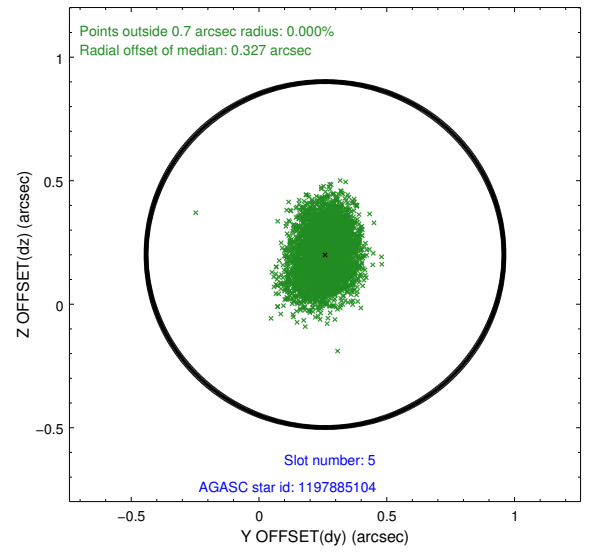
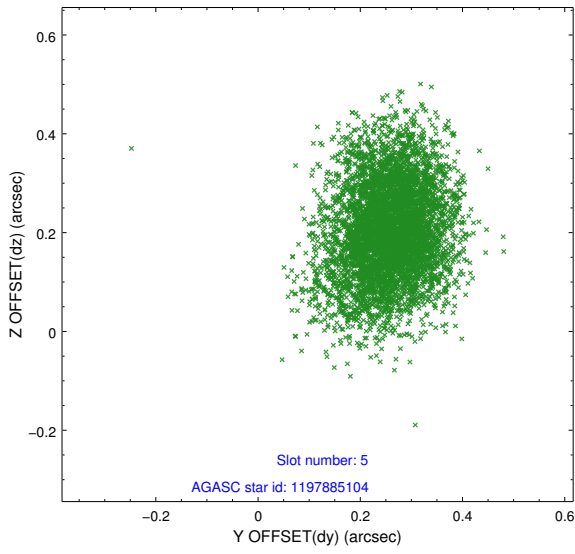
2.4.1 Slot 3



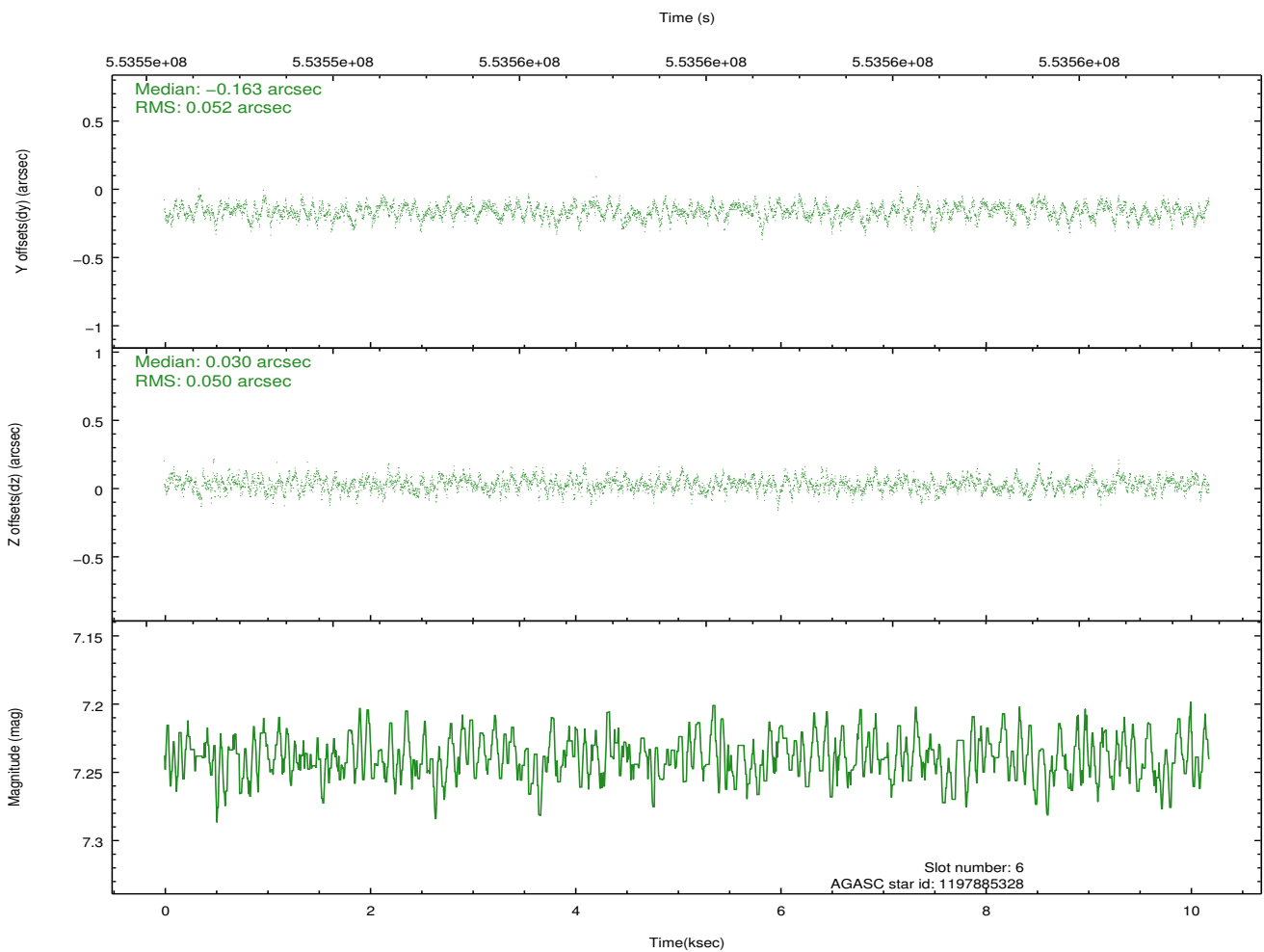
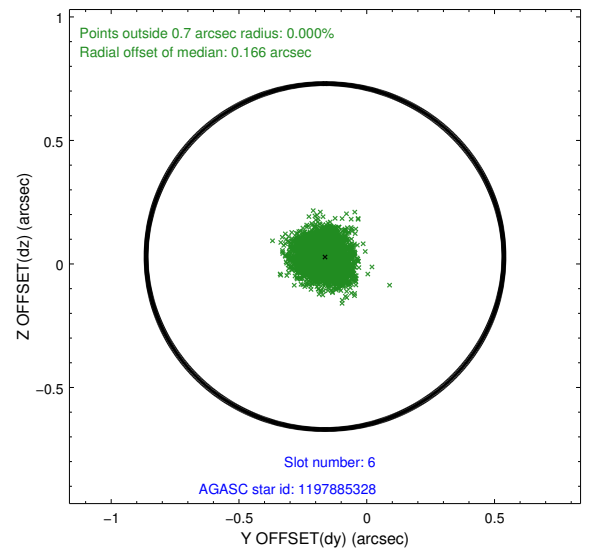
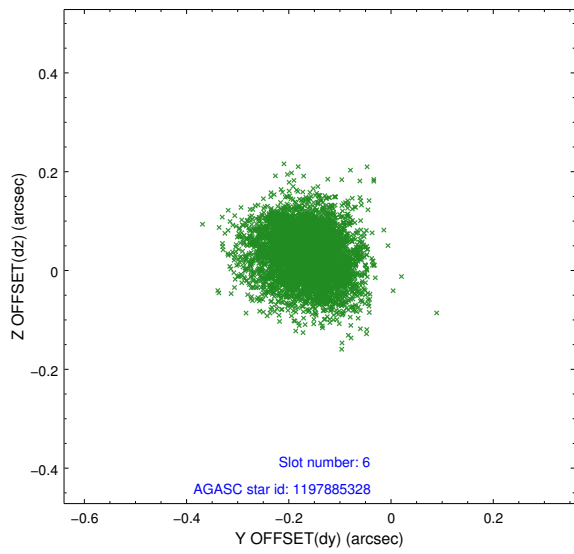
2.4.2 Slot 4



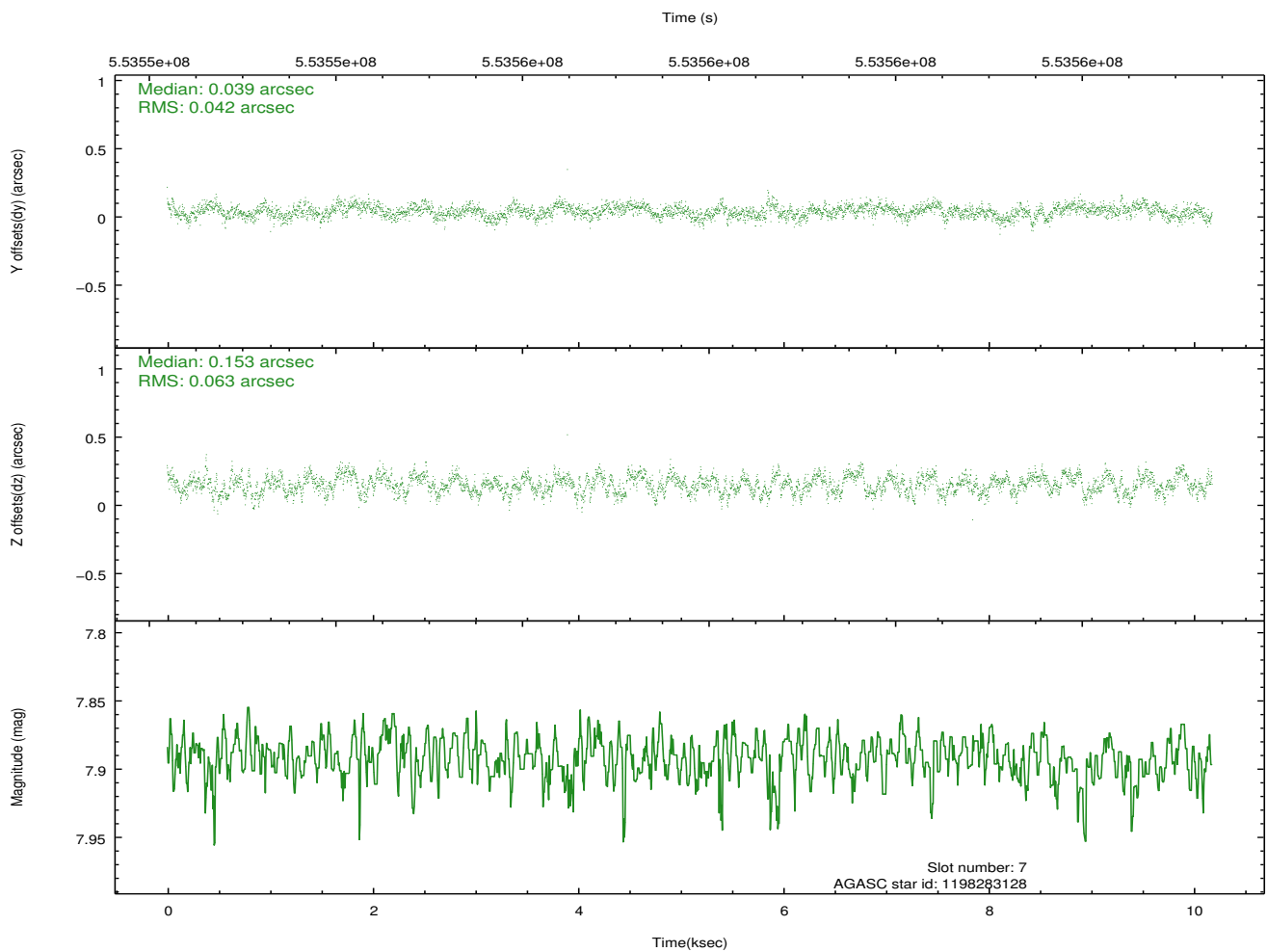
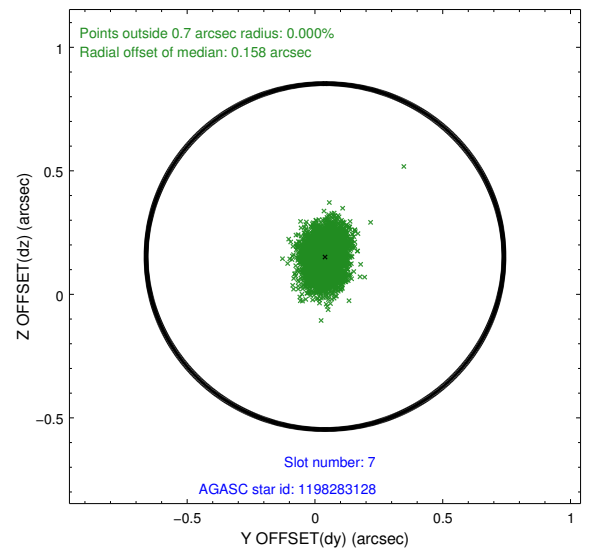
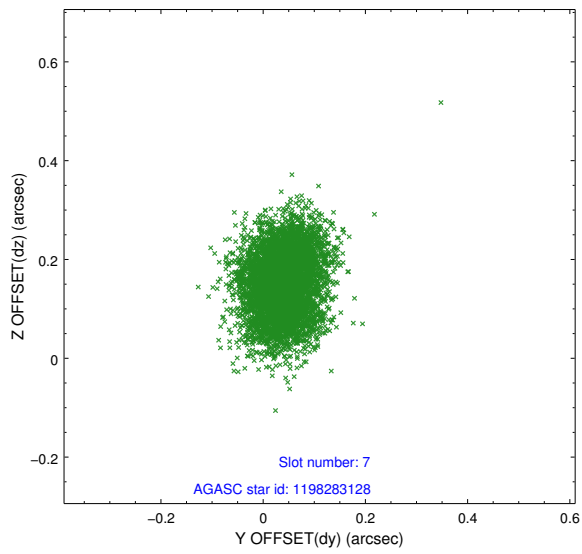
2.4.3 Slot 5



2.4.4 Slot 6

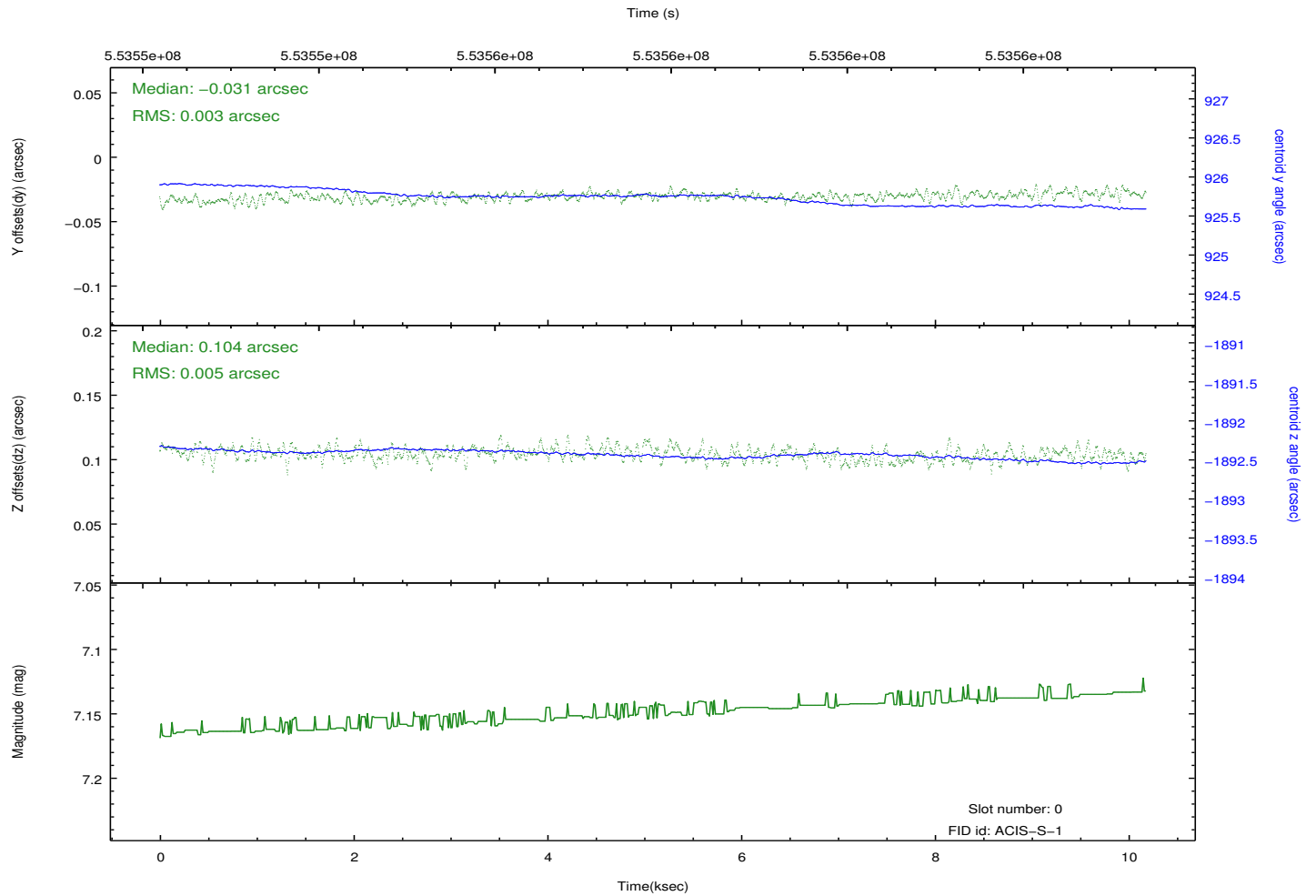
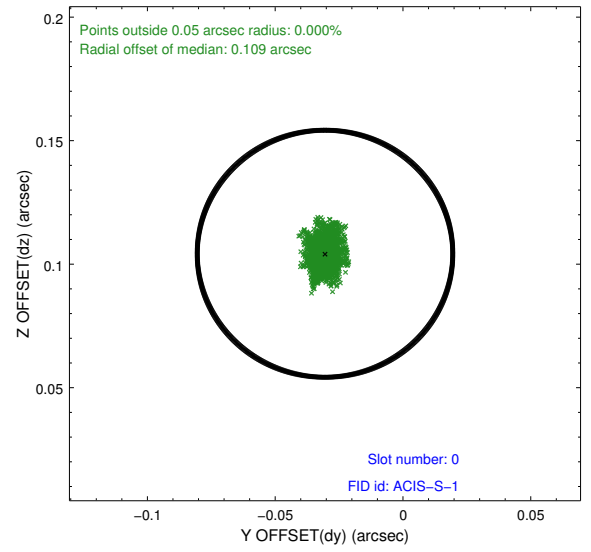
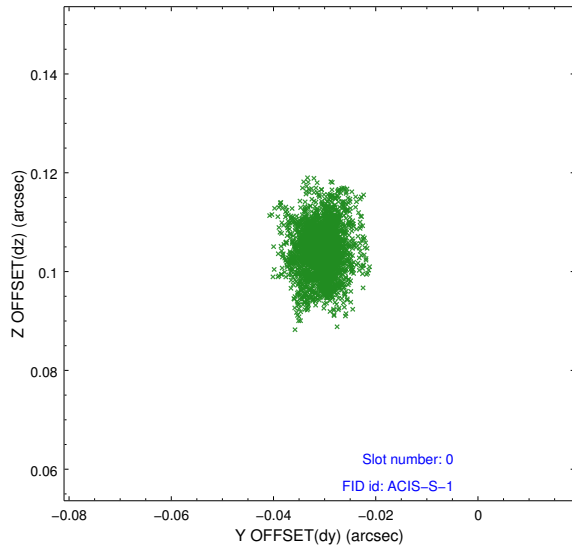


2.4.5 Slot 7

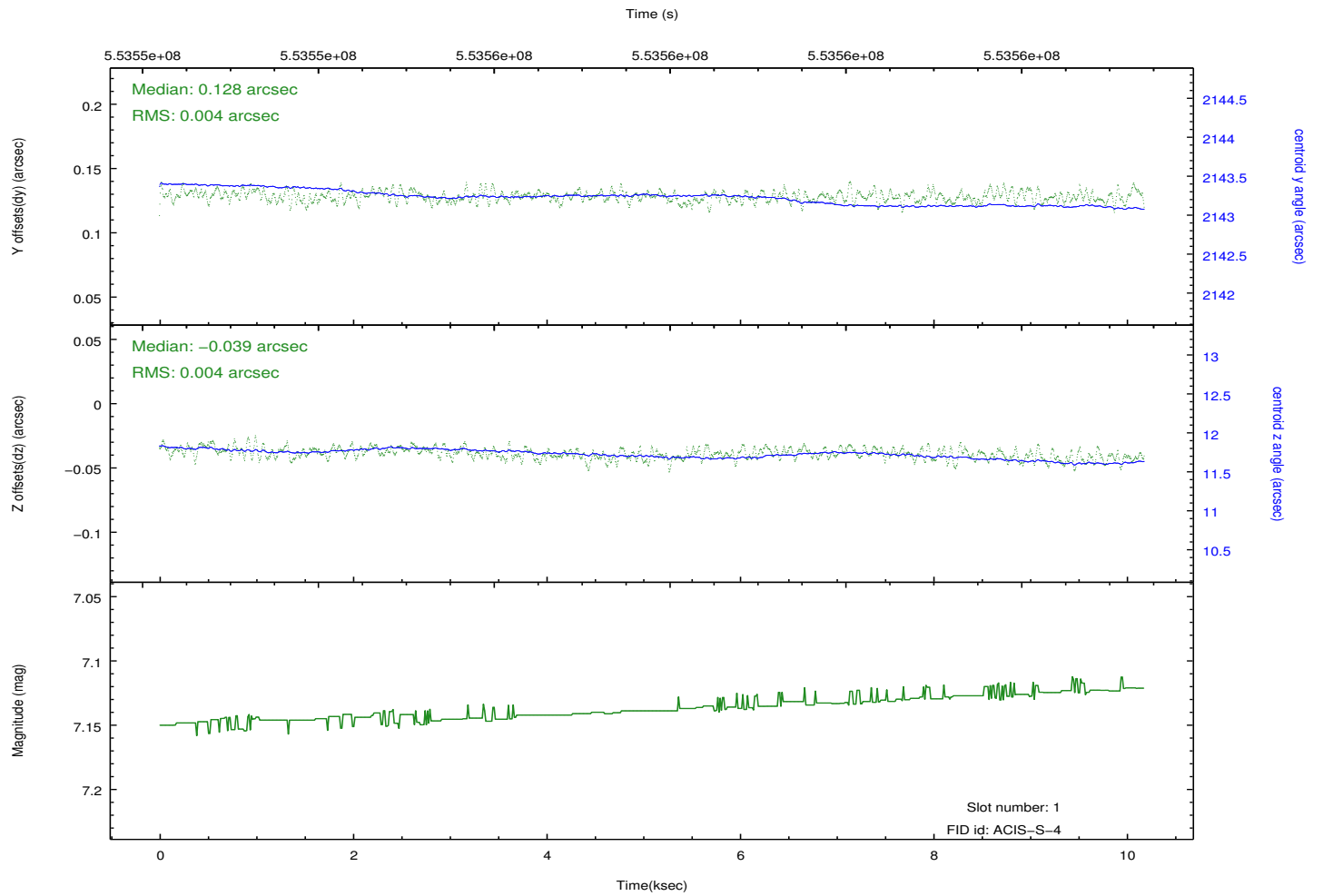
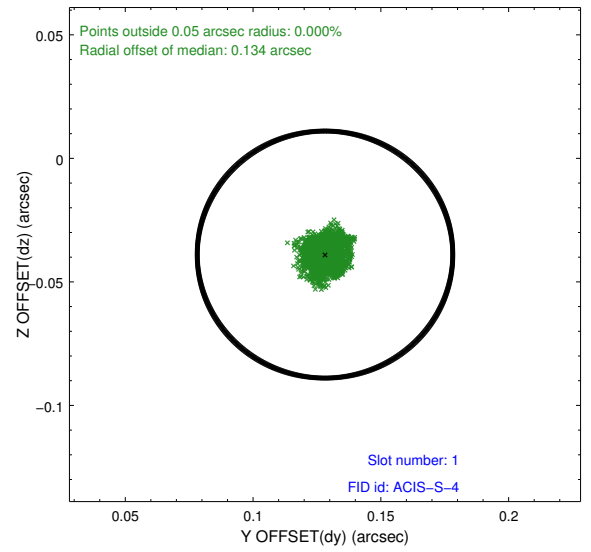
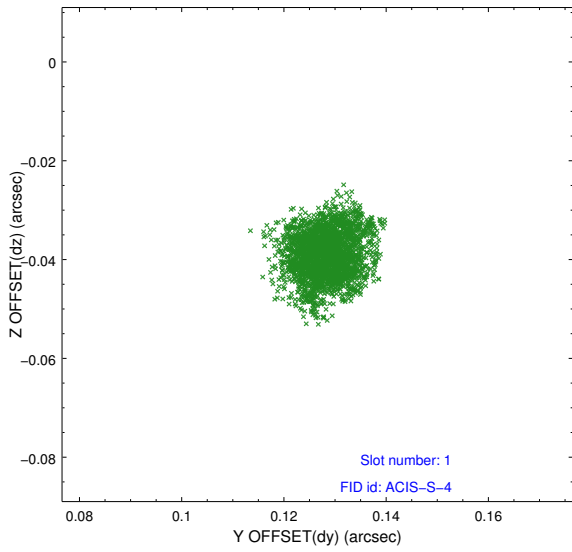


2.5 FID Slots

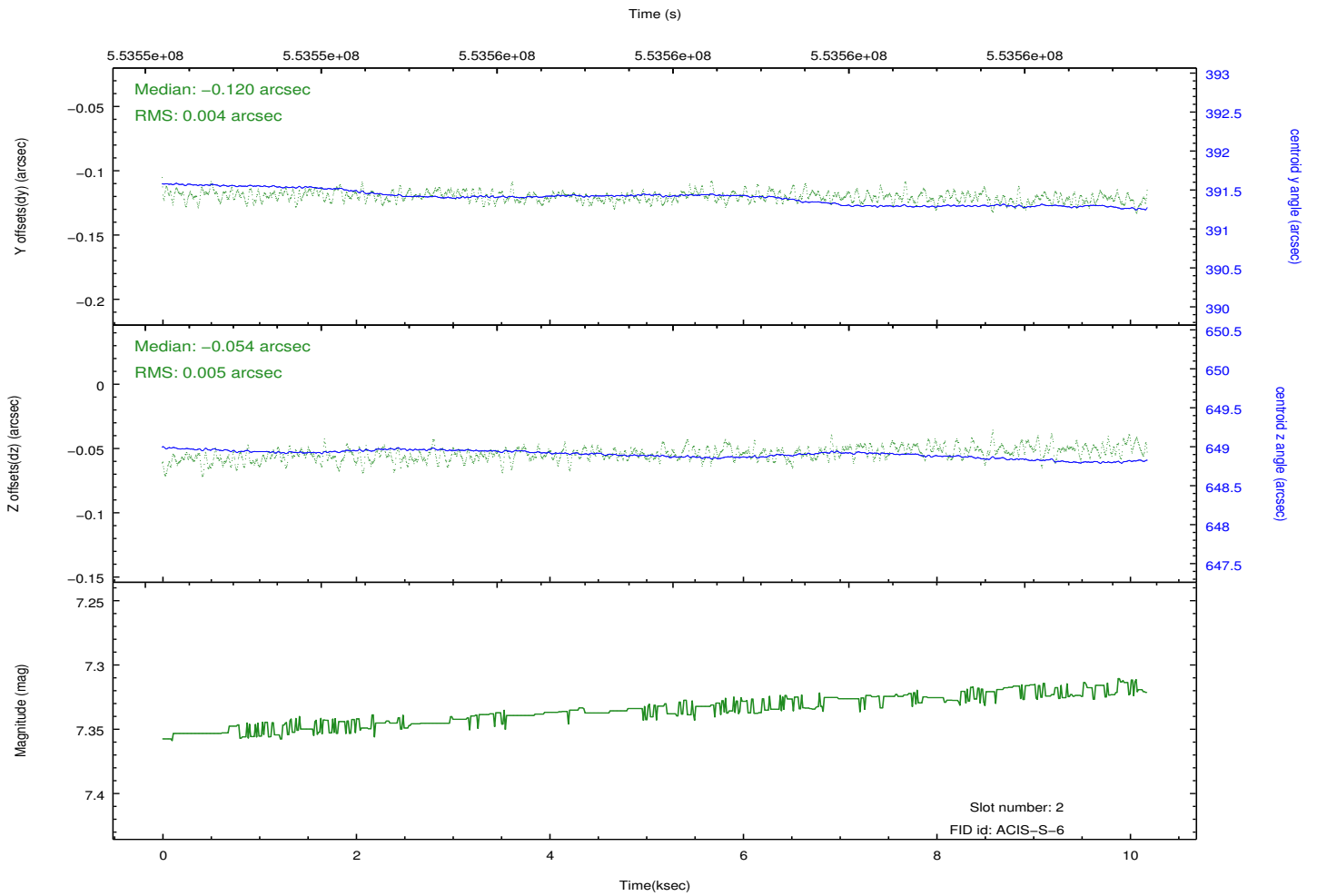
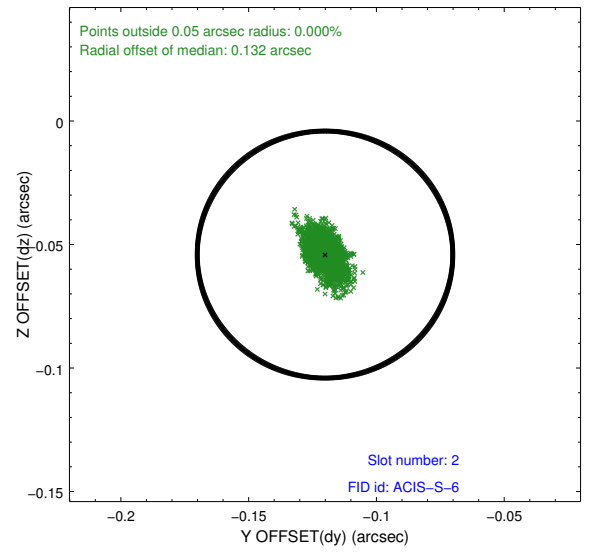
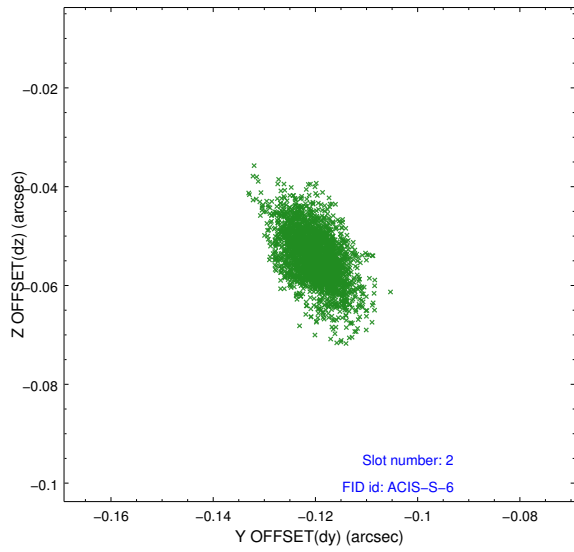
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.063999400139

A.2 Comments