

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3088 - L2 Version 3
Chandra X-Ray Center

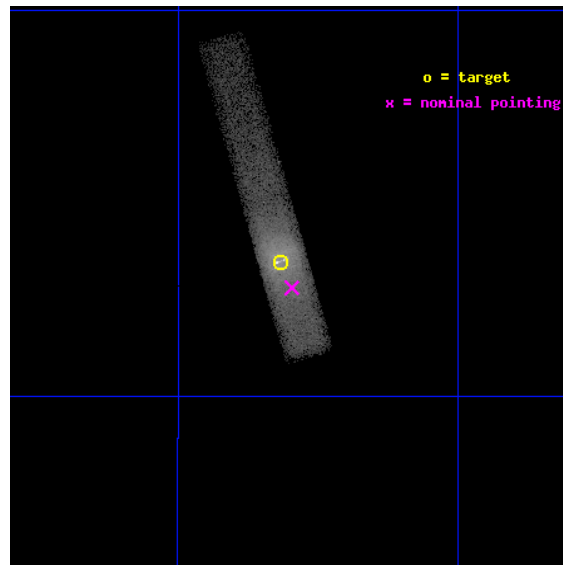
L2 Processing Date : Oct 11 2012

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1 Front

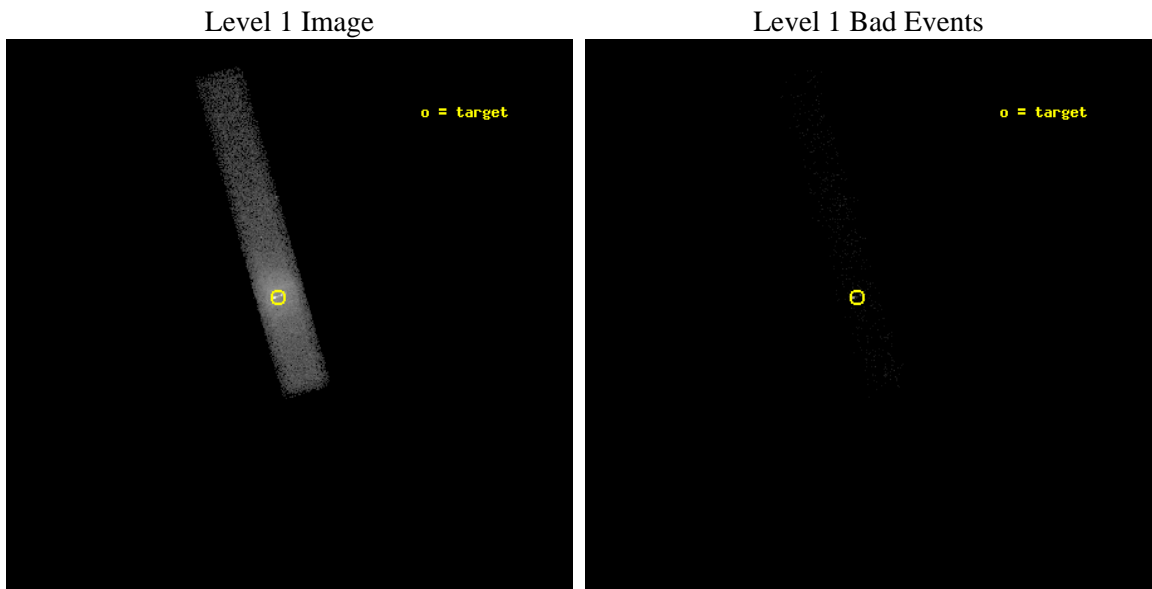
seq_num	700527	Sequence number
obs_id	3088	Observation id
title	X-RAY VARIABILITY IN THE JET AND CORE OF M87	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.69914163405	Nominal RA [deg]
dec_nom	12.380271172994	Nominal Dec [deg]
roll_nom	254.15833819924	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5191.5590373278	Sum of GTIs [s]
liveltime	4708.4700139015	Livetime [s]
ontime7	5191.5590373278	Sum of GTIs [s]
l2events	58938	Number of level 2 events



2 OBI

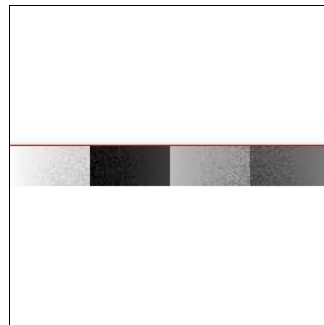
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5191.5590373278	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	5191.5590373278	Sum of GTIs [s]
date	2012-10-11T19:30:49	Date and time of file creation	l1events	73686	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

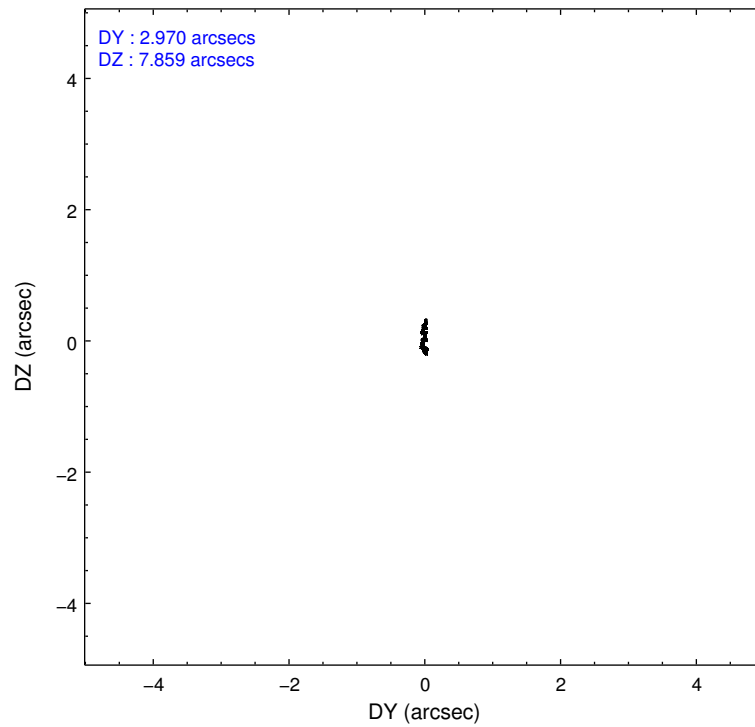
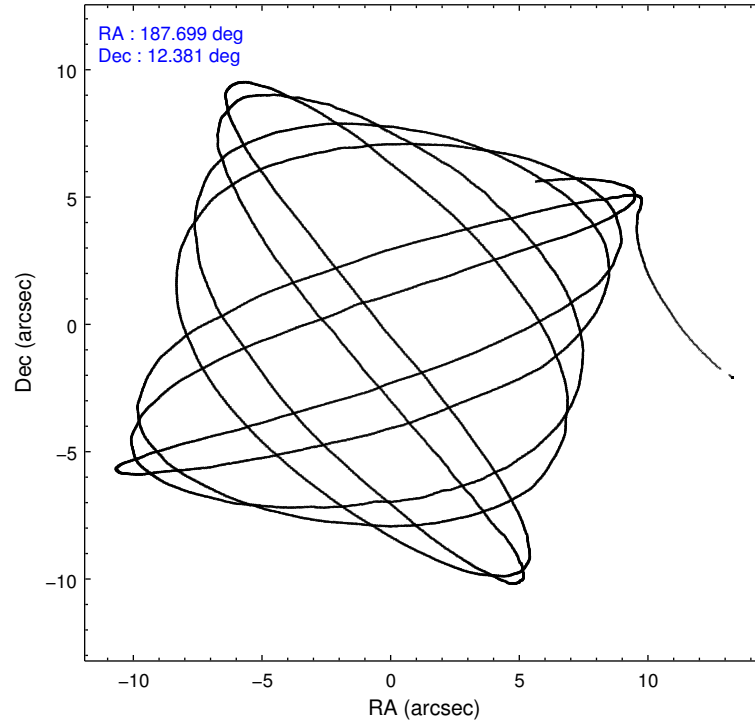
	ccd 7
level 1 events	73686
rejected events	14193
rejected %	19%

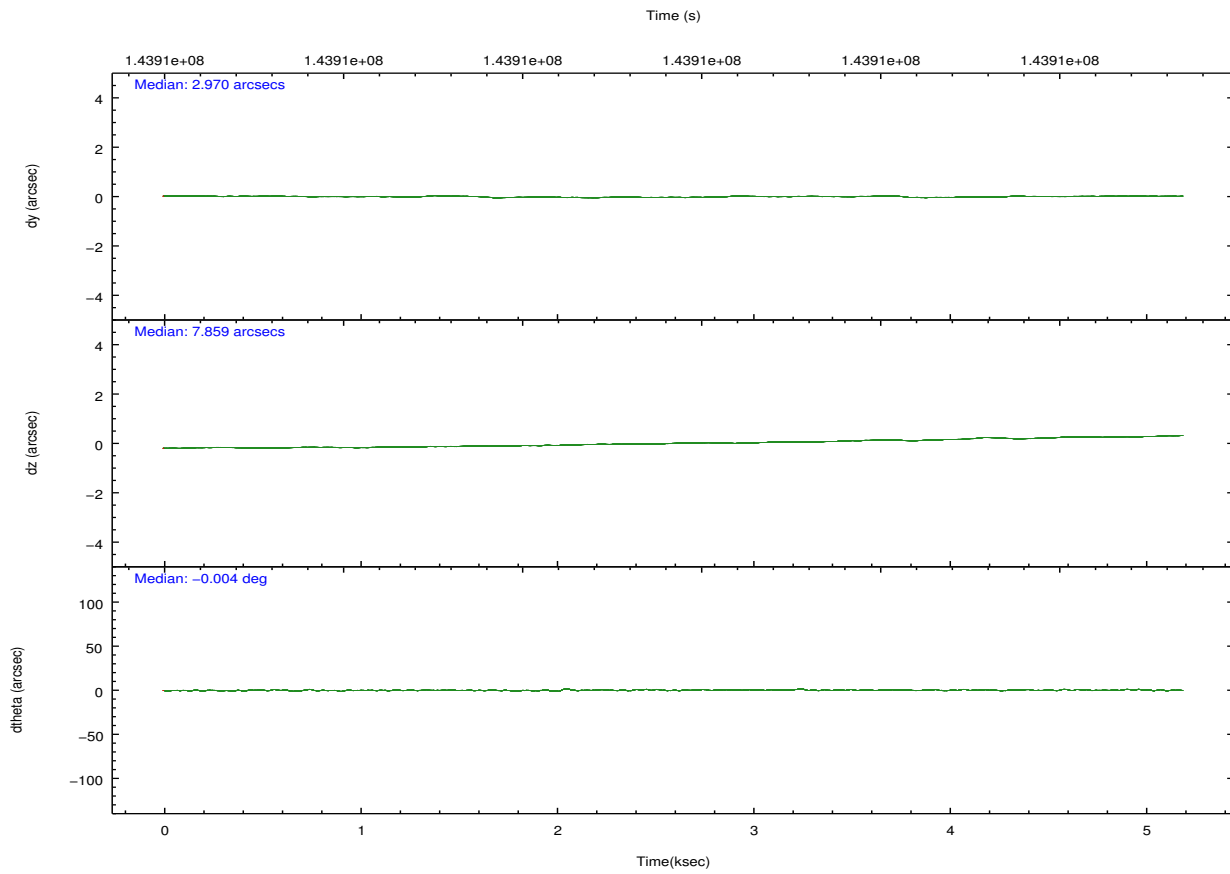
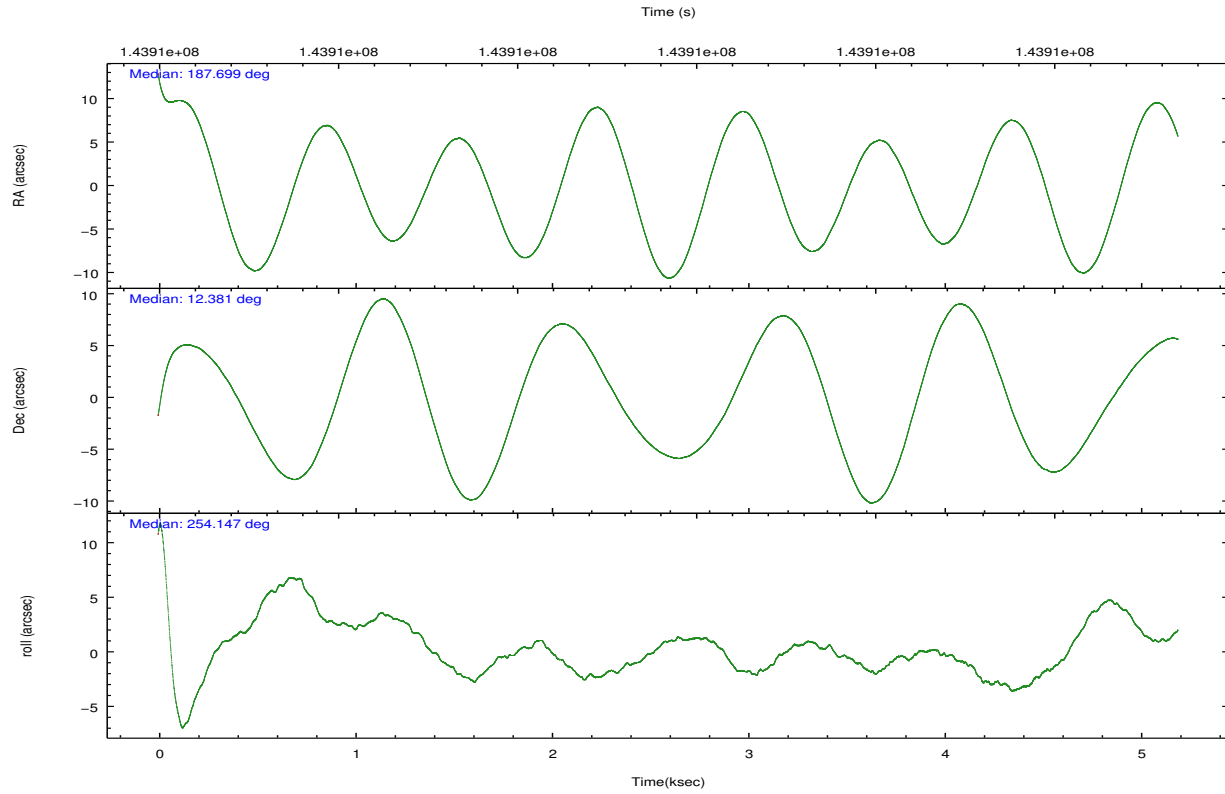
	ccd 7
grade 0 events	22006
	29%
grade 1 events	138
	0%
grade 2 events	17398
	23%
grade 3 events	7885
	10%
grade 4 events	7762
	10%
grade 5 events	1307
	1%
grade 6 events	13521
	18%
grade 7 events	3669
	4%

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	187.691851	187.6991416340508	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.406560	12.38027117299403	Subarray start row	449	449
[deg] Pointing Roll	254.003241	254.1583381992438	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	143909434.184000	143907638.50518			
Observation start date	2002-07-24T14:49:30	2002-07-24T14:20:38			
[s] Observation end time (MET)	143914434.184000	143915277.318			
Observation end date	2002-07-24T16:12:50	2002-07-24T16:27:57			
Read mode	TIMED	TIMED			

2.3 Aspect



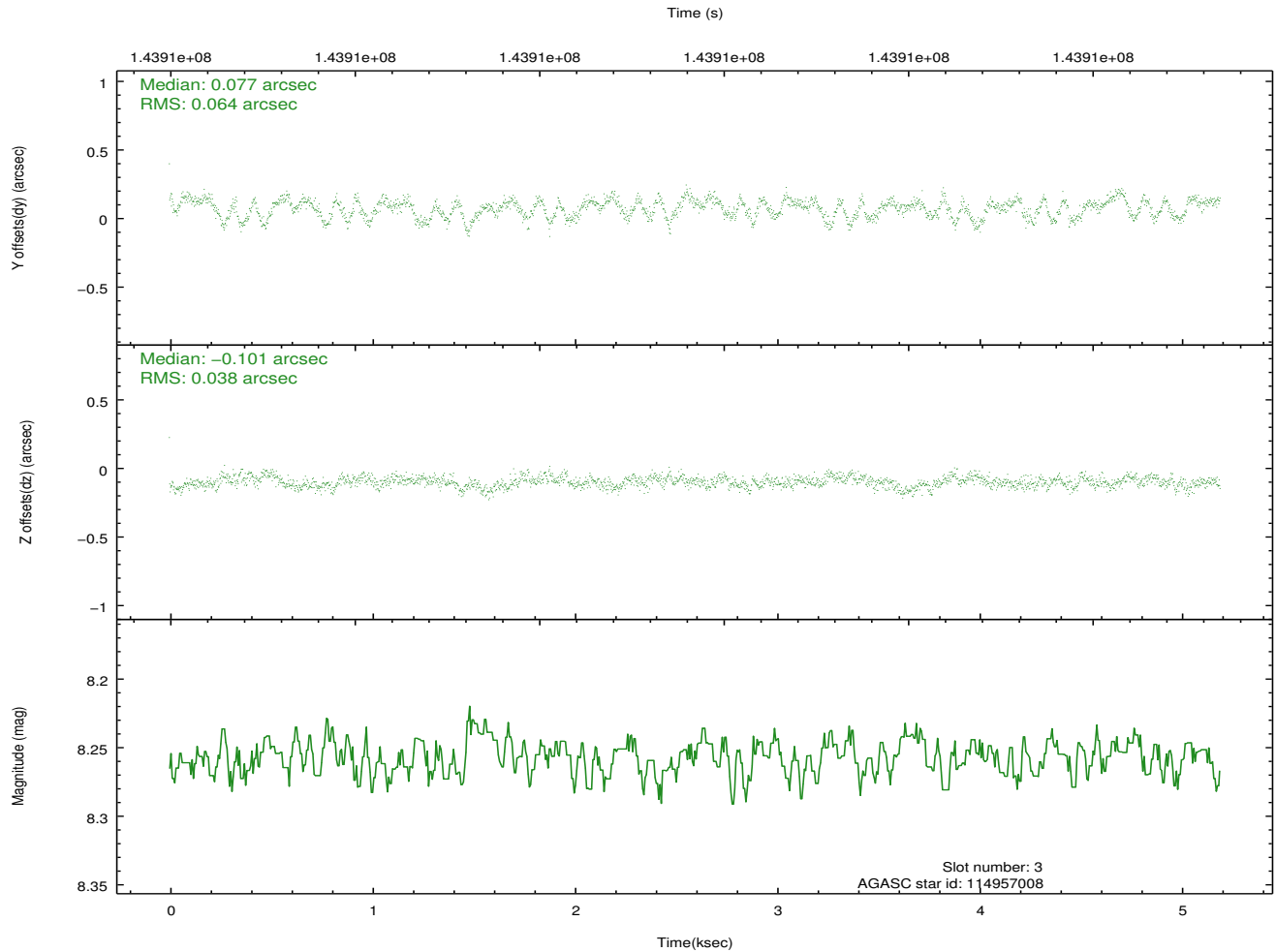
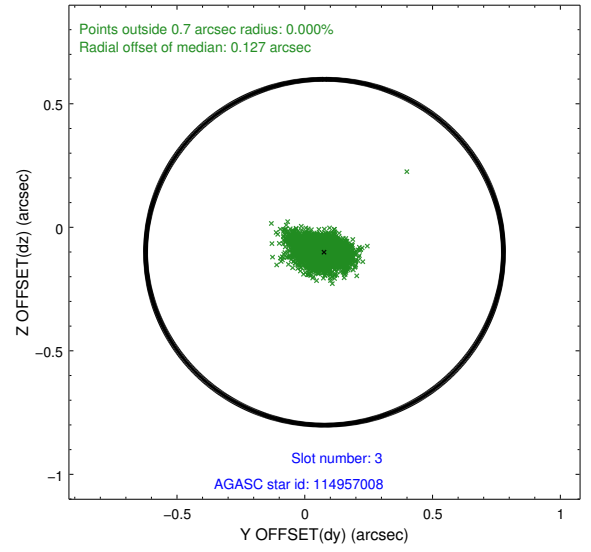
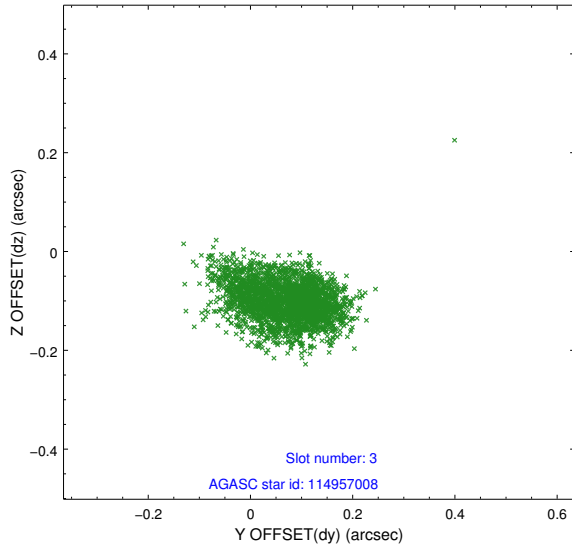


Slot Statistics

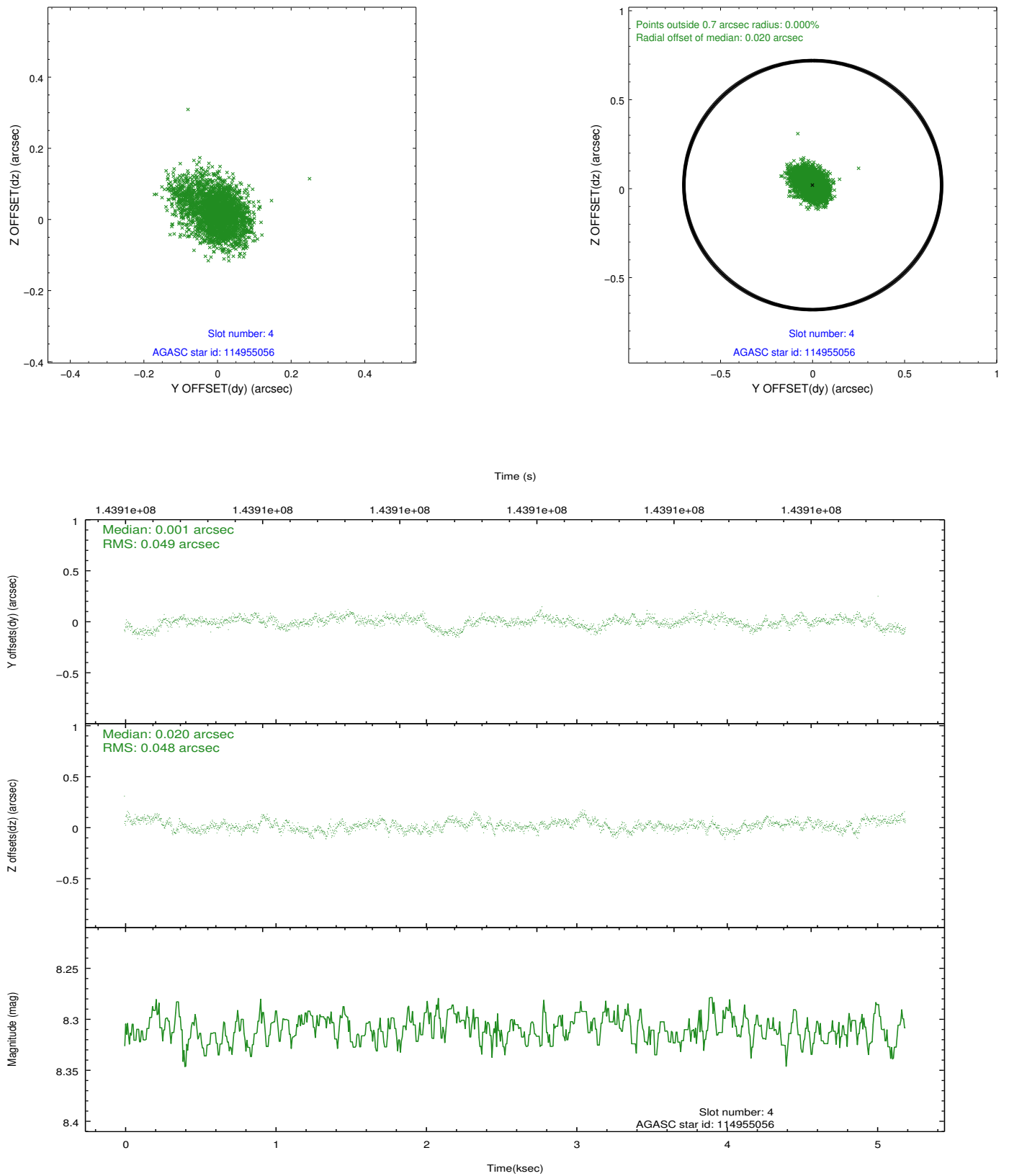
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1266	-0.007	-0.001	0.007	0.011	0.000000	0.000000	-755.63	-1729.05
1	FID	ACIS-S-4	7.20	1266	-0.019	0.004	0.006	0.010	0.000000	0.000000	2157.13	178.21
2	FID	ACIS-S-5	7.24	1267	-0.005	0.006	0.007	0.011	0.000000	0.000000	-1806.95	173.24
3	GUIDE	114957008	8.26	2534	0.077	-0.101	0.077	0.131	186.894794	12.099160	1835.10	-2394.12
4	GUIDE	114955056	8.31	2534	0.001	0.020	0.073	0.123	187.914001	12.127854	750.68	1026.27
5	GUIDE	114954440	9.21	2533	0.006	-0.032	0.095	0.153	186.915066	12.219118	1400.31	-2442.48
6	GUIDE	114952424	9.33	2527	0.033	0.141	0.087	0.146	187.477948	11.953762	1776.53	-276.82
7	GUIDE	114952792	9.50	2527	-0.108	-0.031	0.103	0.165	187.070263	12.344747	816.50	-2041.85

2.4 Star Slots

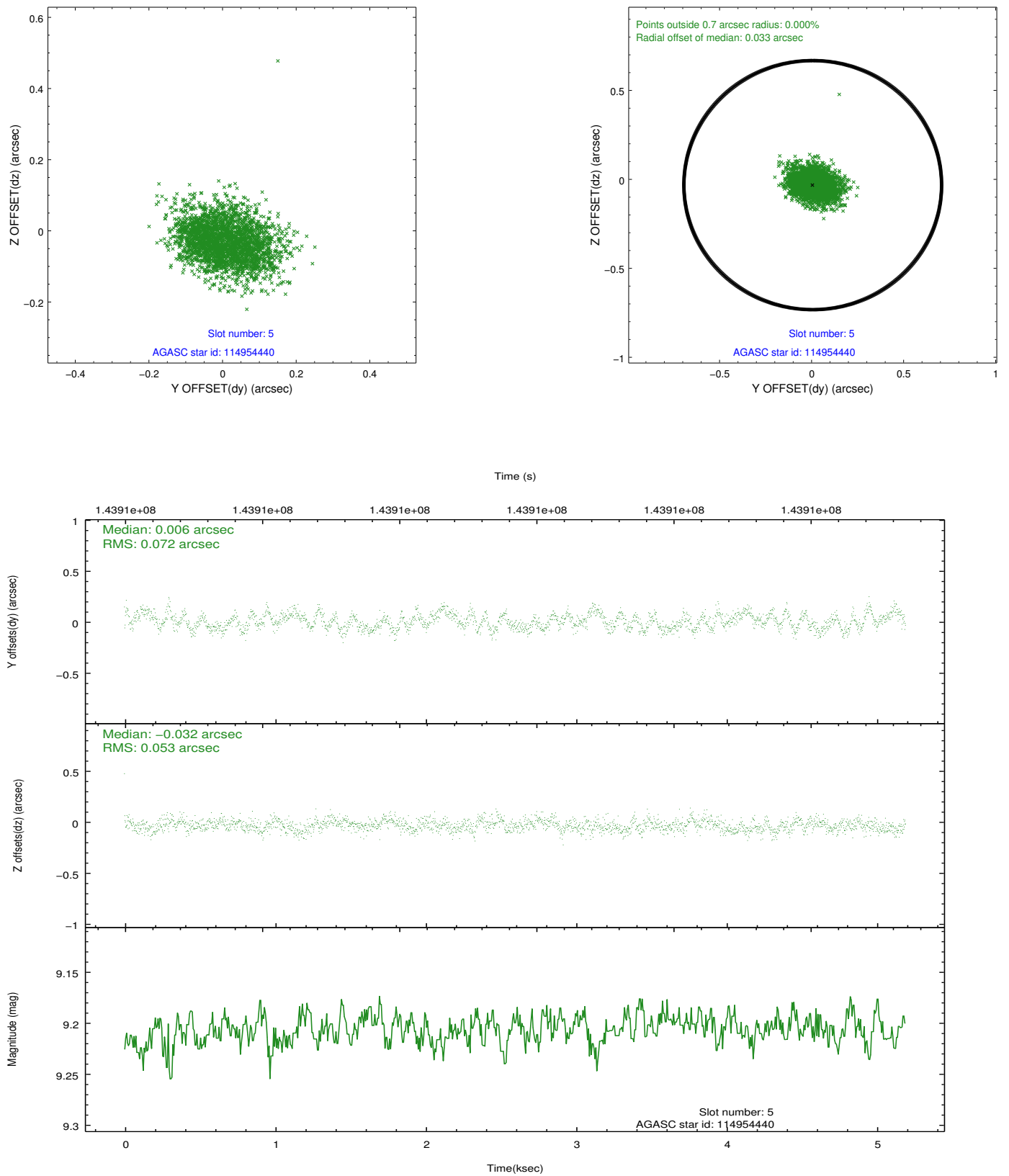
2.4.1 Slot 3



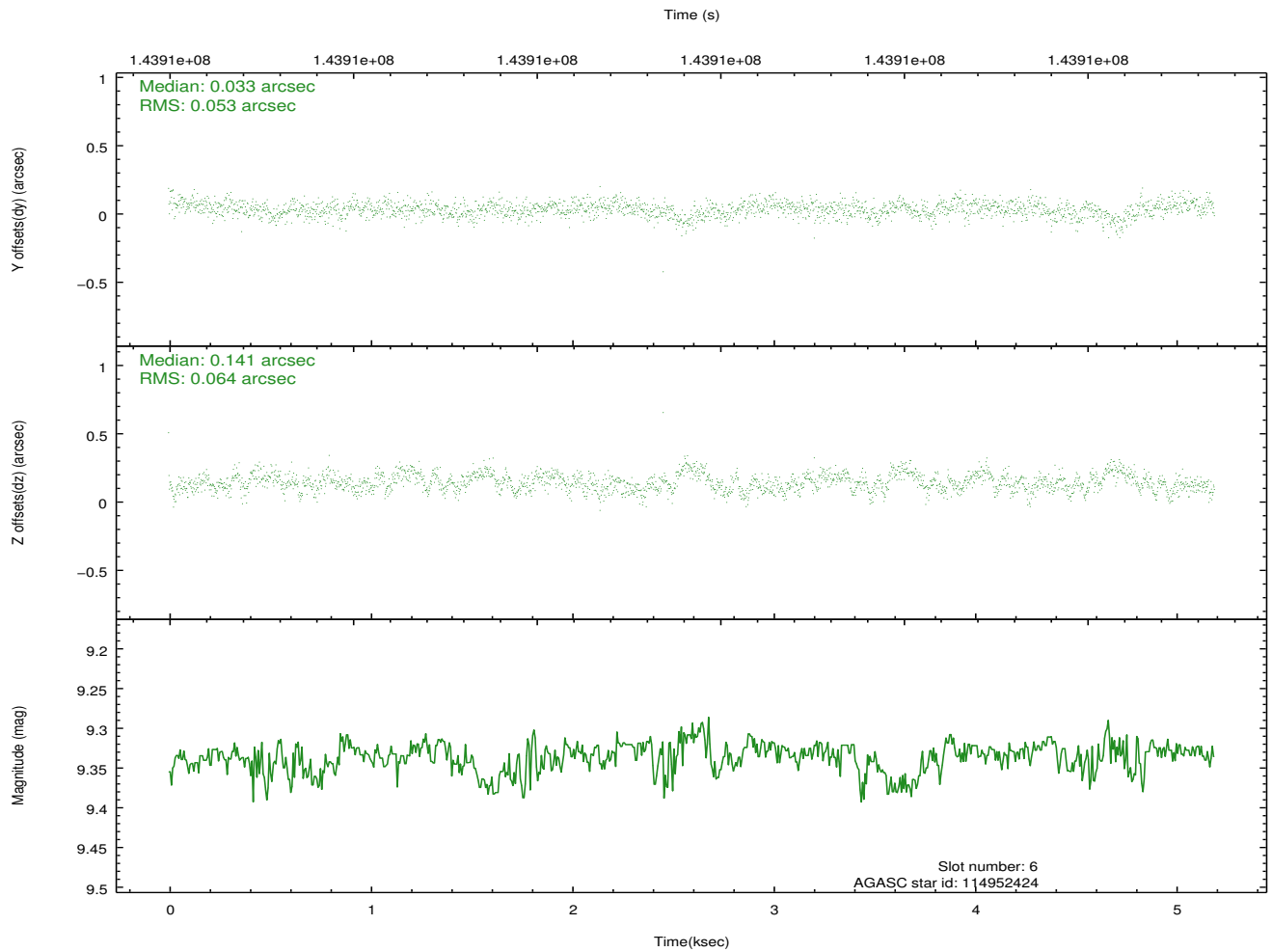
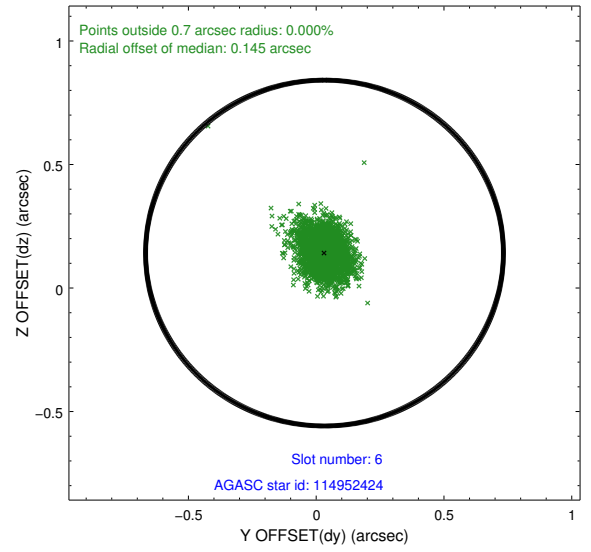
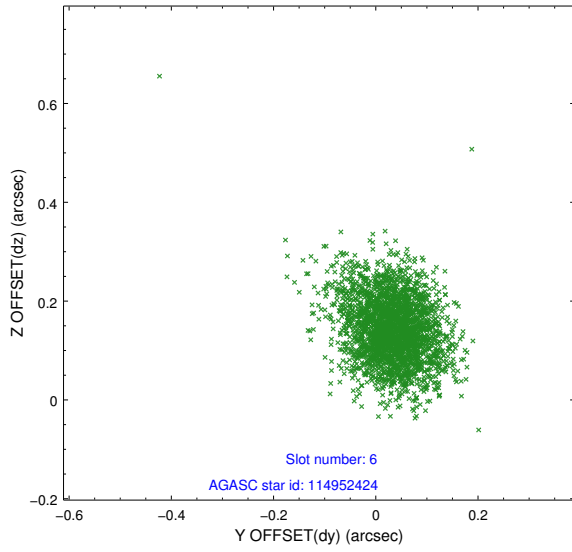
2.4.2 Slot 4



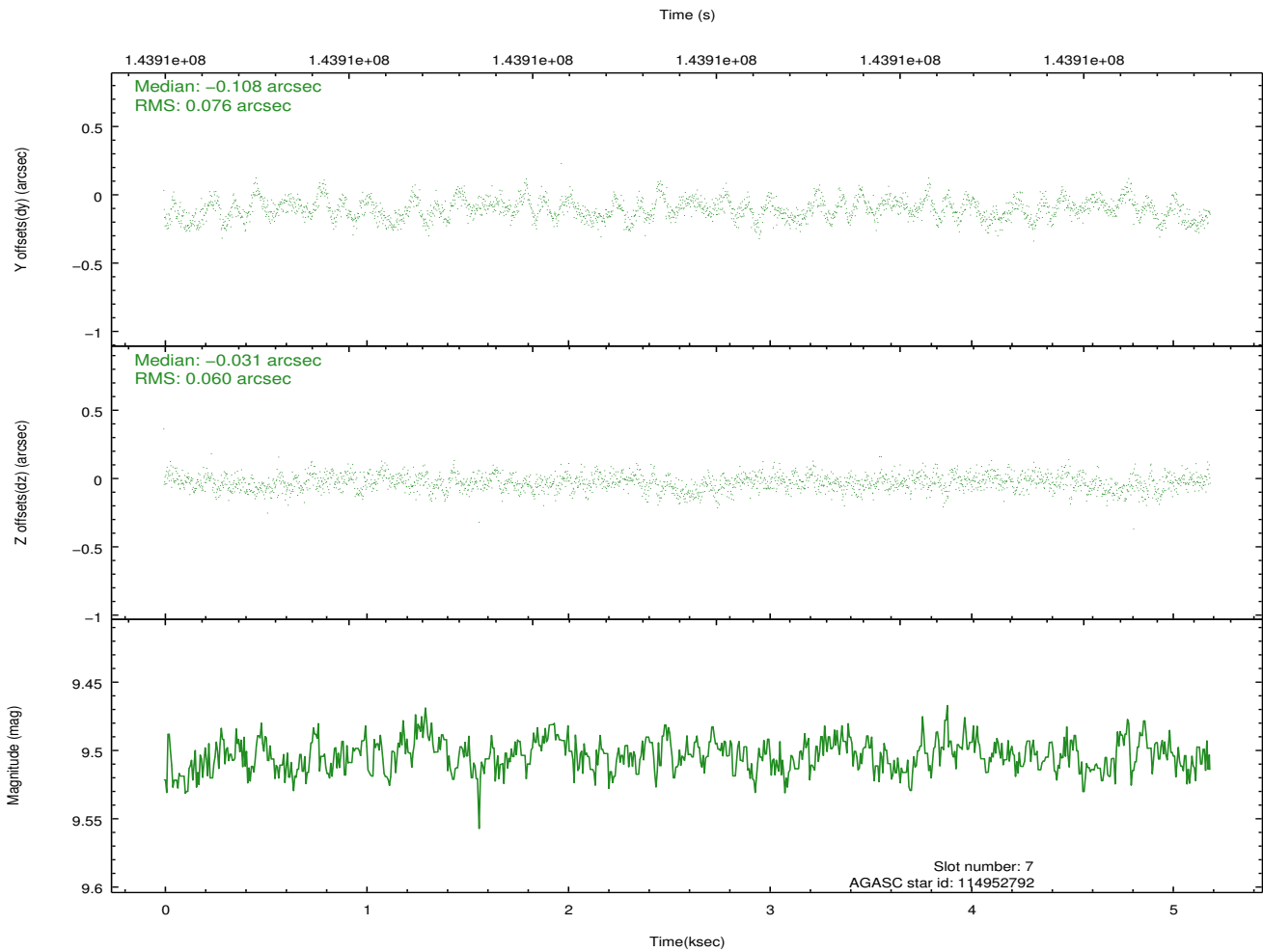
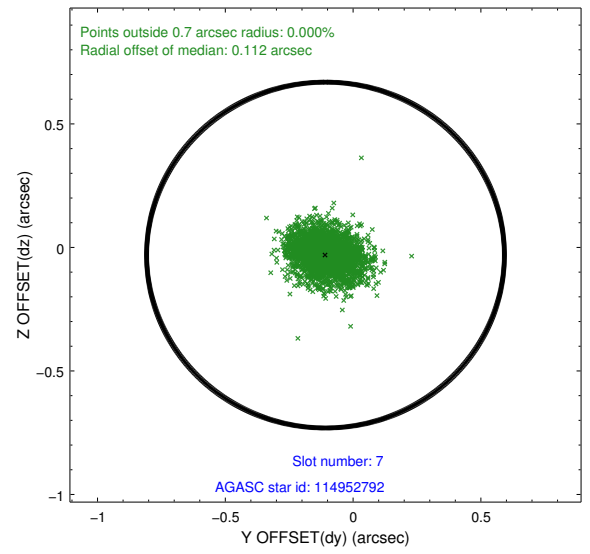
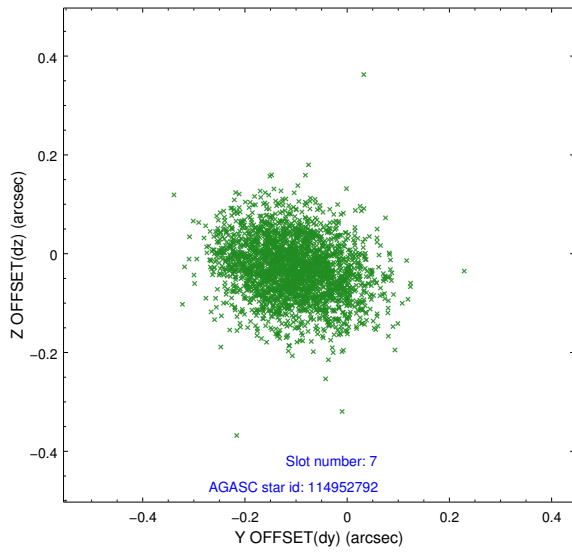
2.4.3 Slot 5



2.4.4 Slot 6

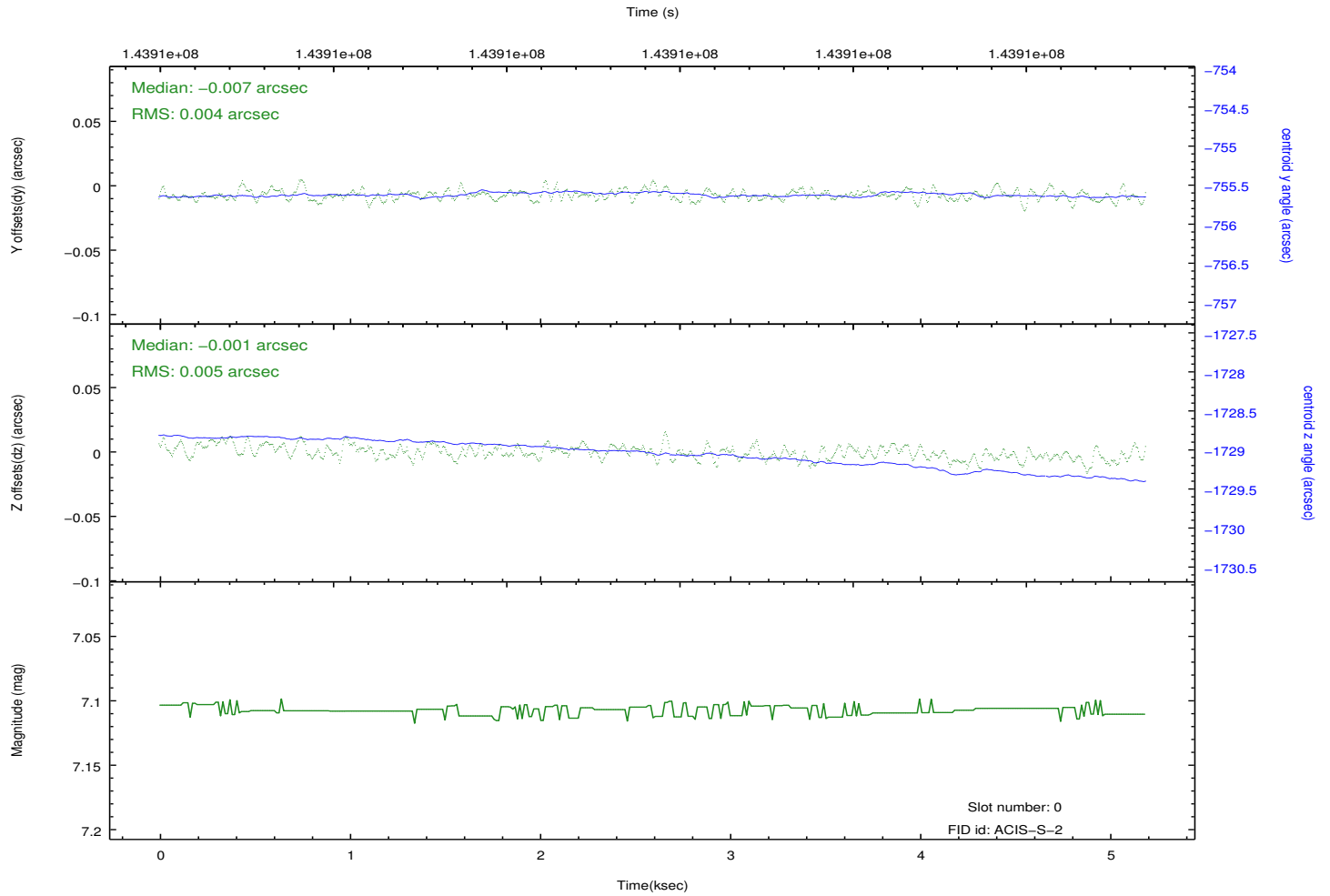
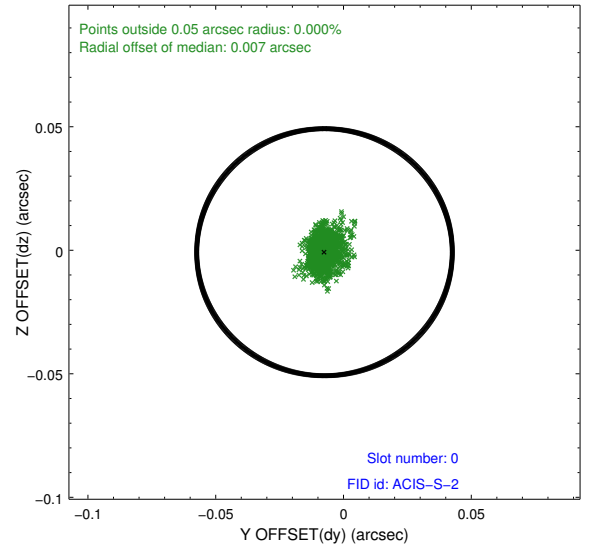
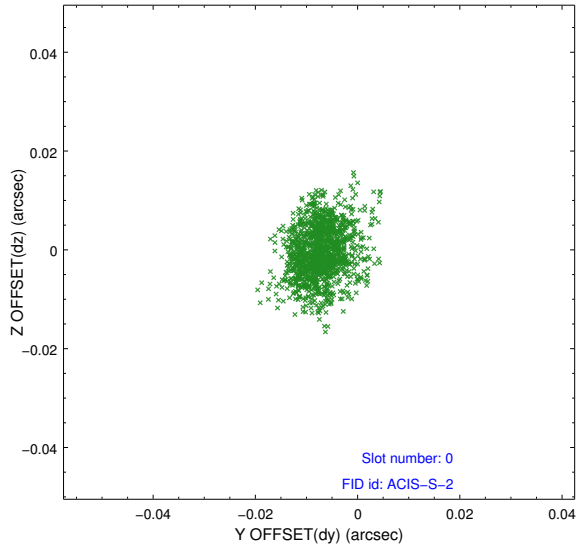


2.4.5 Slot 7

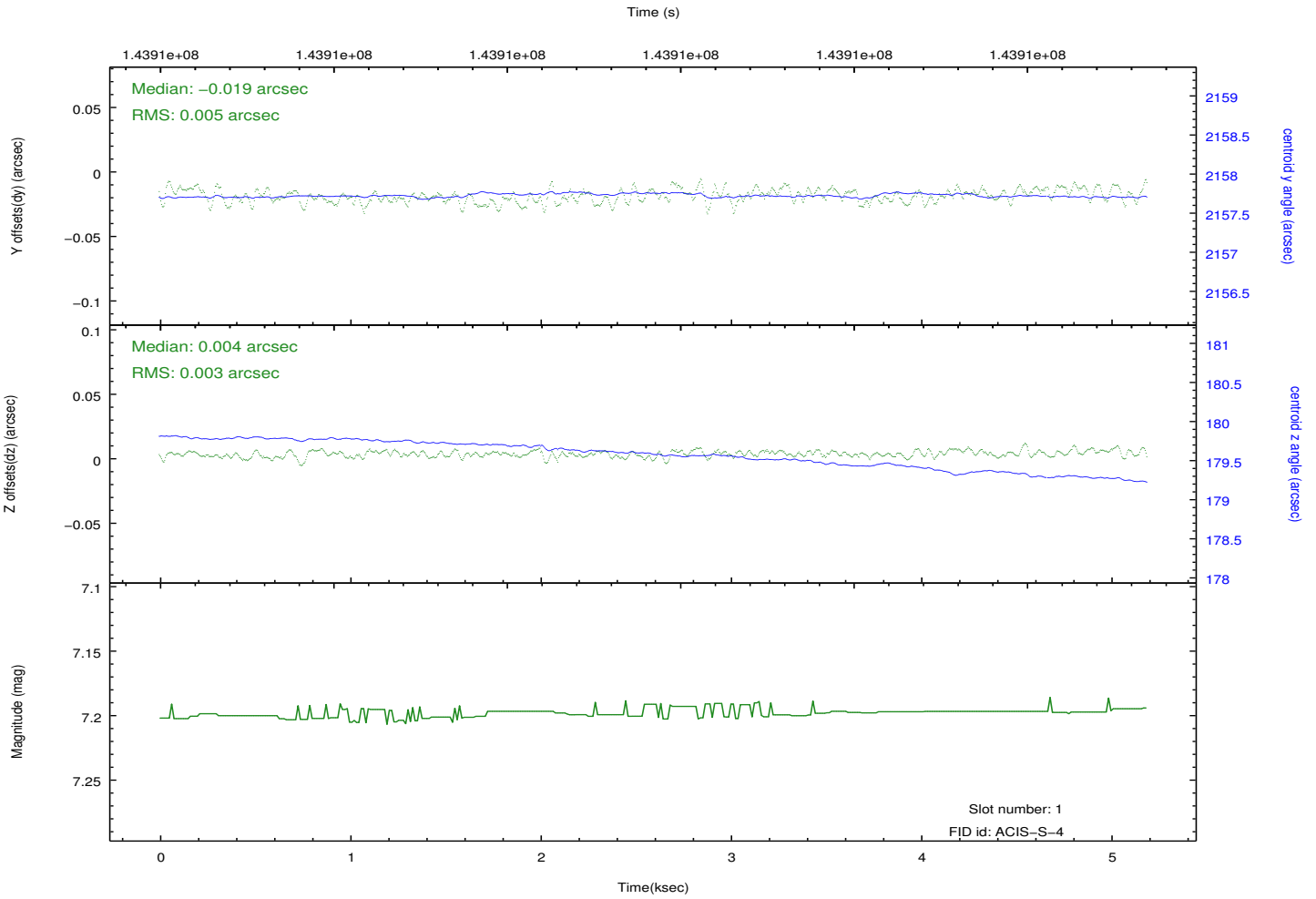
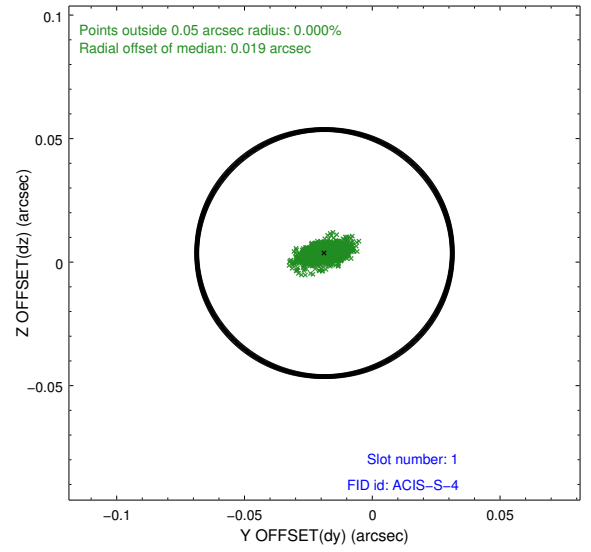
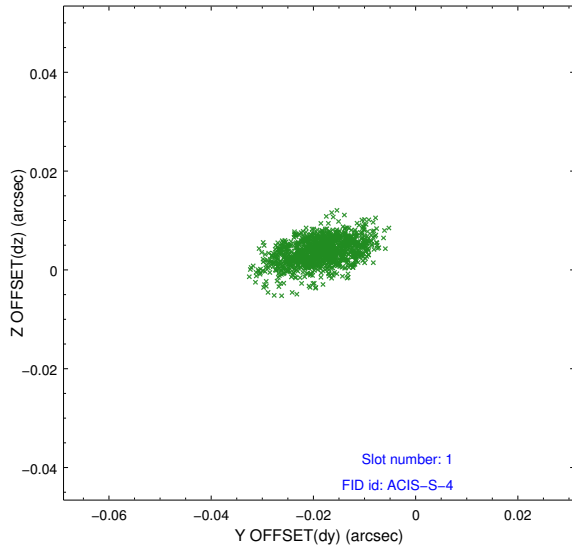


2.5 FID Slots

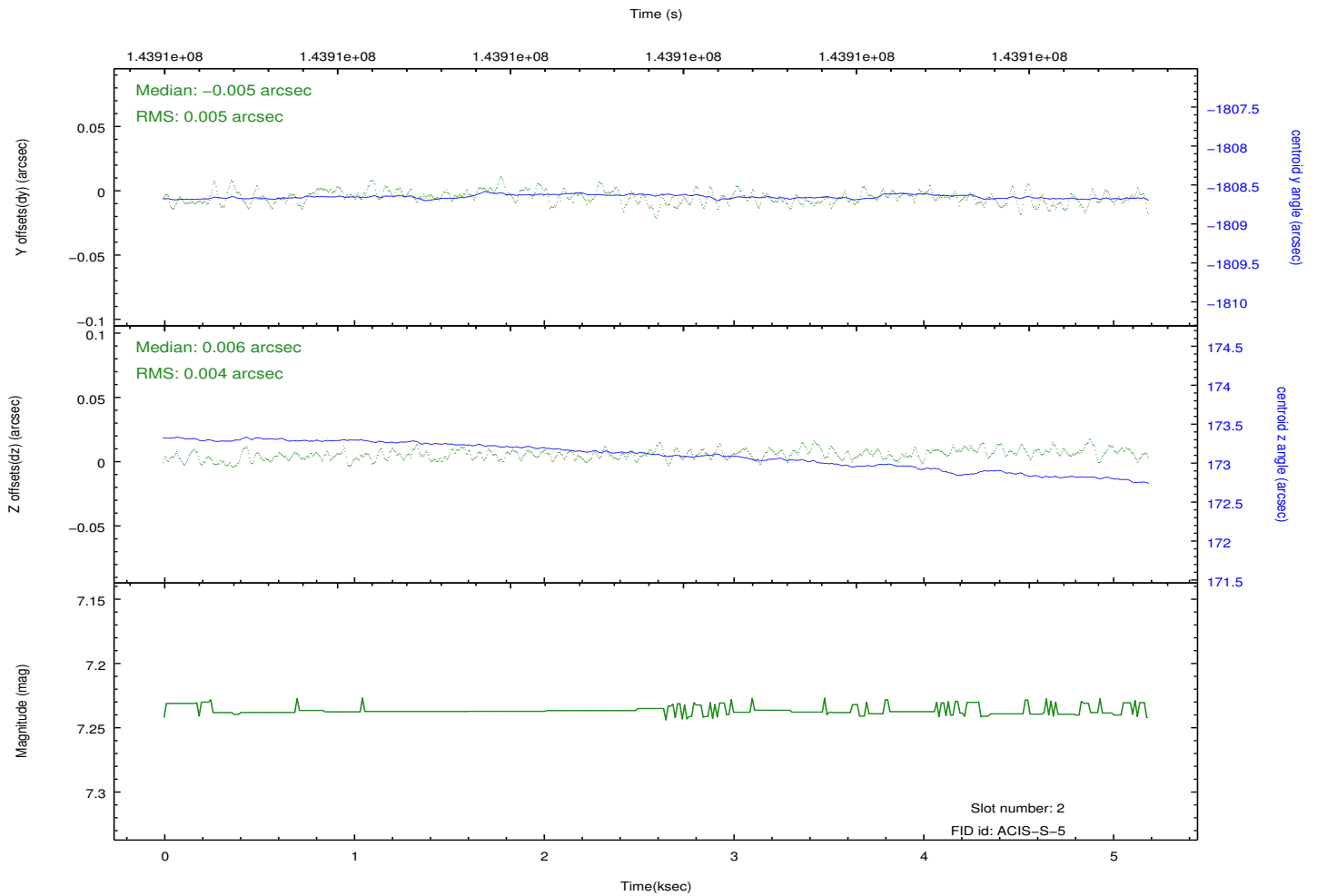
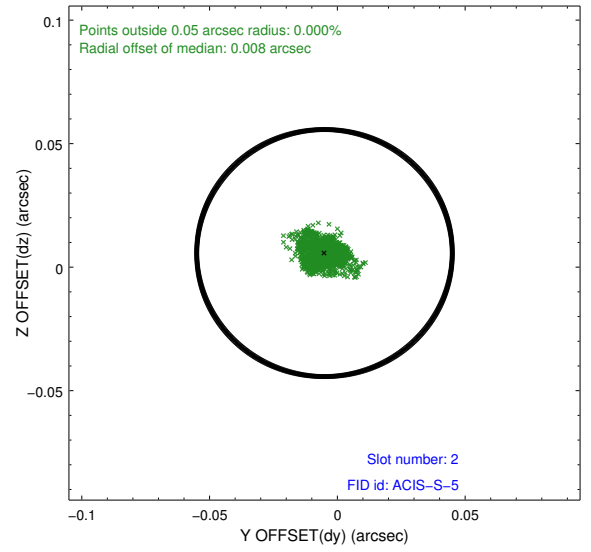
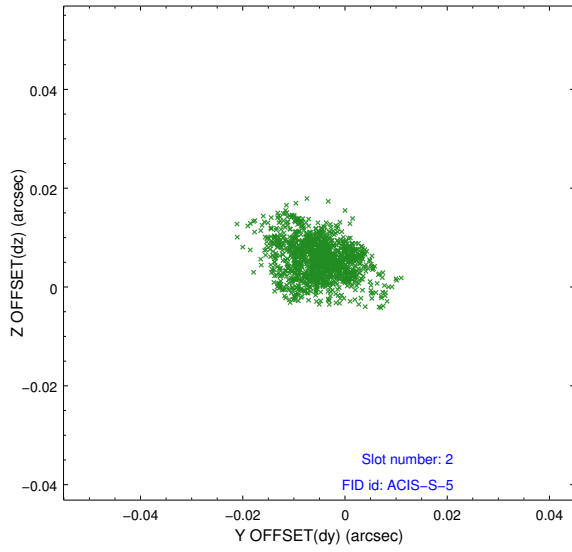
2.5.1 Slot 0



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)	2012.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.191

A.2 Comments