

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10285 - L2 Version 2
Chandra X-Ray Center

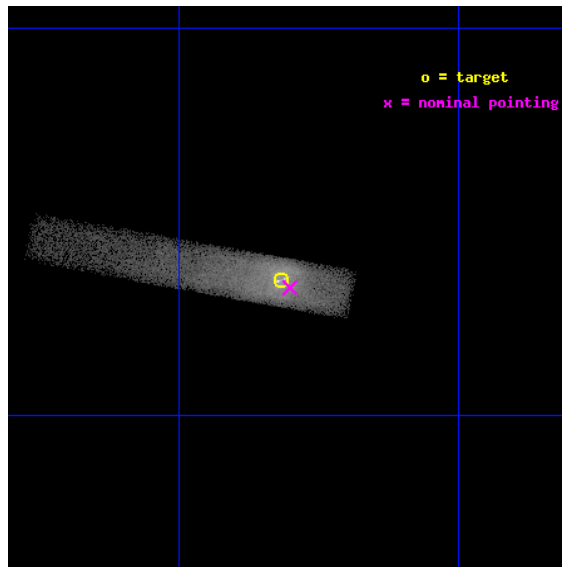
L2 Processing Date : Jun 3 2012

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1 Front

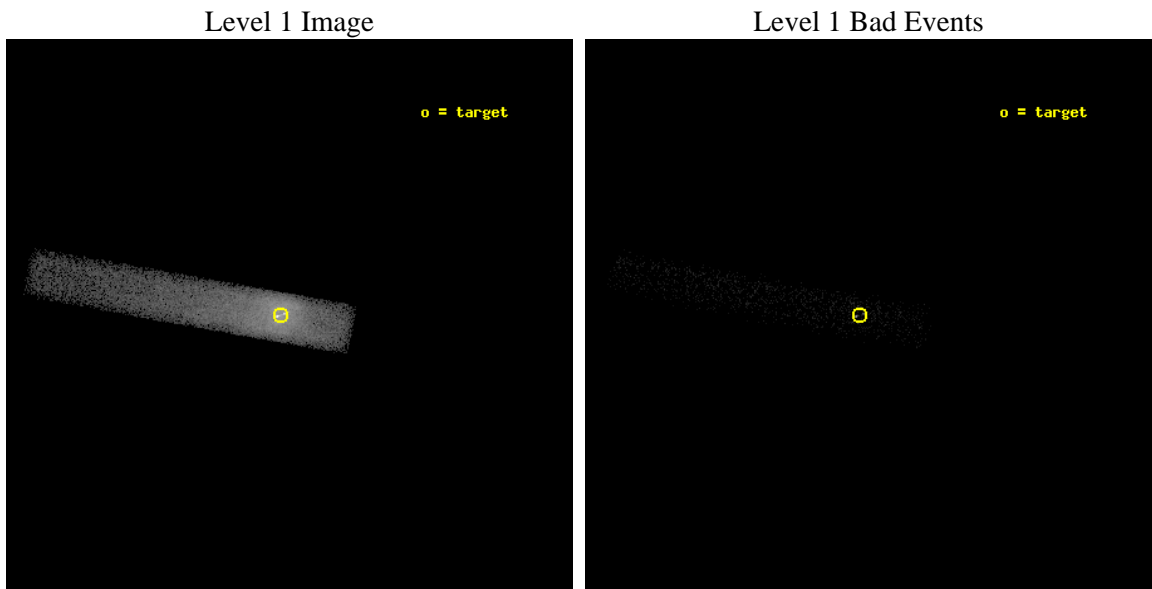
seq_num	701828	Sequence number
obs_id	10285	Observation id
title	Tracking the Aftermath of the Giant Flare in the M87 Jet	Proposal
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70043466233	Nominal RA [deg]
dec_nom	12.388373312595	Nominal Dec [deg]
roll_nom	190.01746937554	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5142.7996934652	Sum of GTIs [s]
livetime	4664.2478627474	Livetime [s]
ontime7	5142.7996934652	Sum of GTIs [s]
l2events	54405	Number of level 2 events



2 OBI

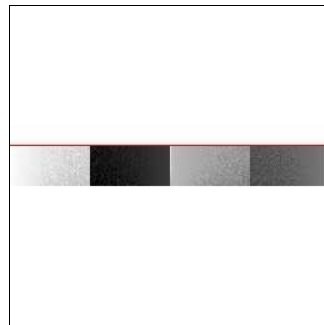
2.1 OBI

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	8.4.4	Processing system revision	ontime	5142.7996934652	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	5142.7996934652	Sum of GTIs [s]
date	2012-06-03T06:49:22	Date and time of file creation	l1events	64702	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

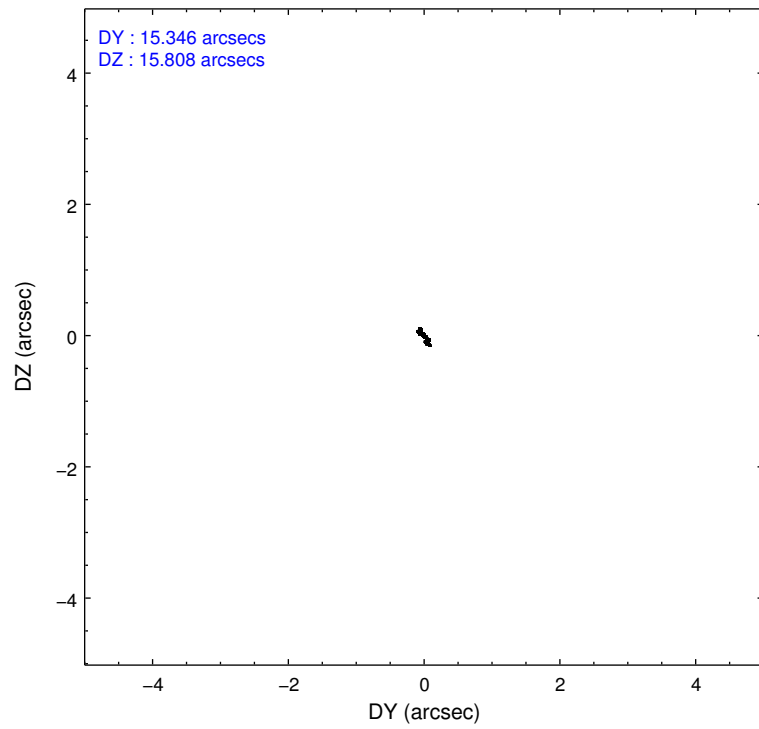
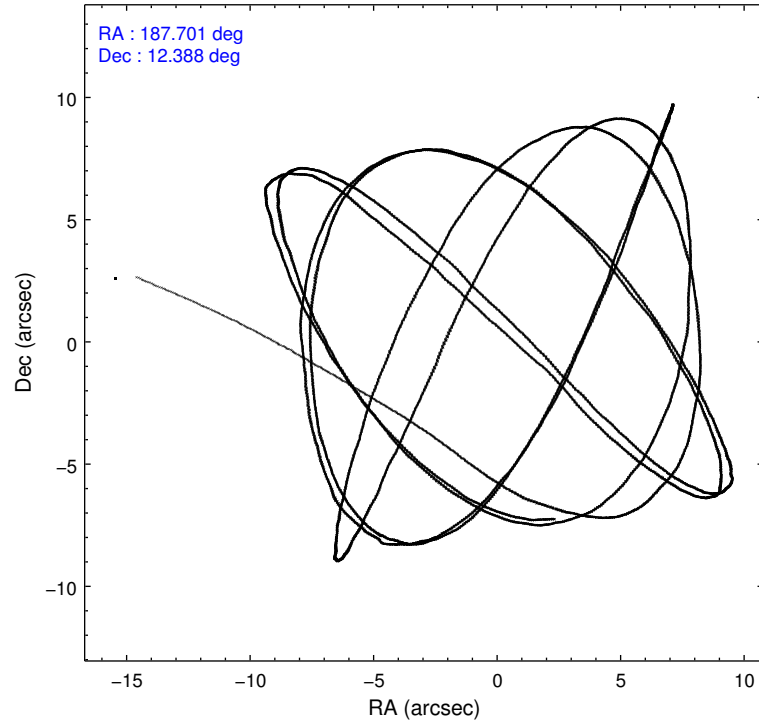
	ccd 7
level 1 events	64702
rejected events	9647
rejected %	14%

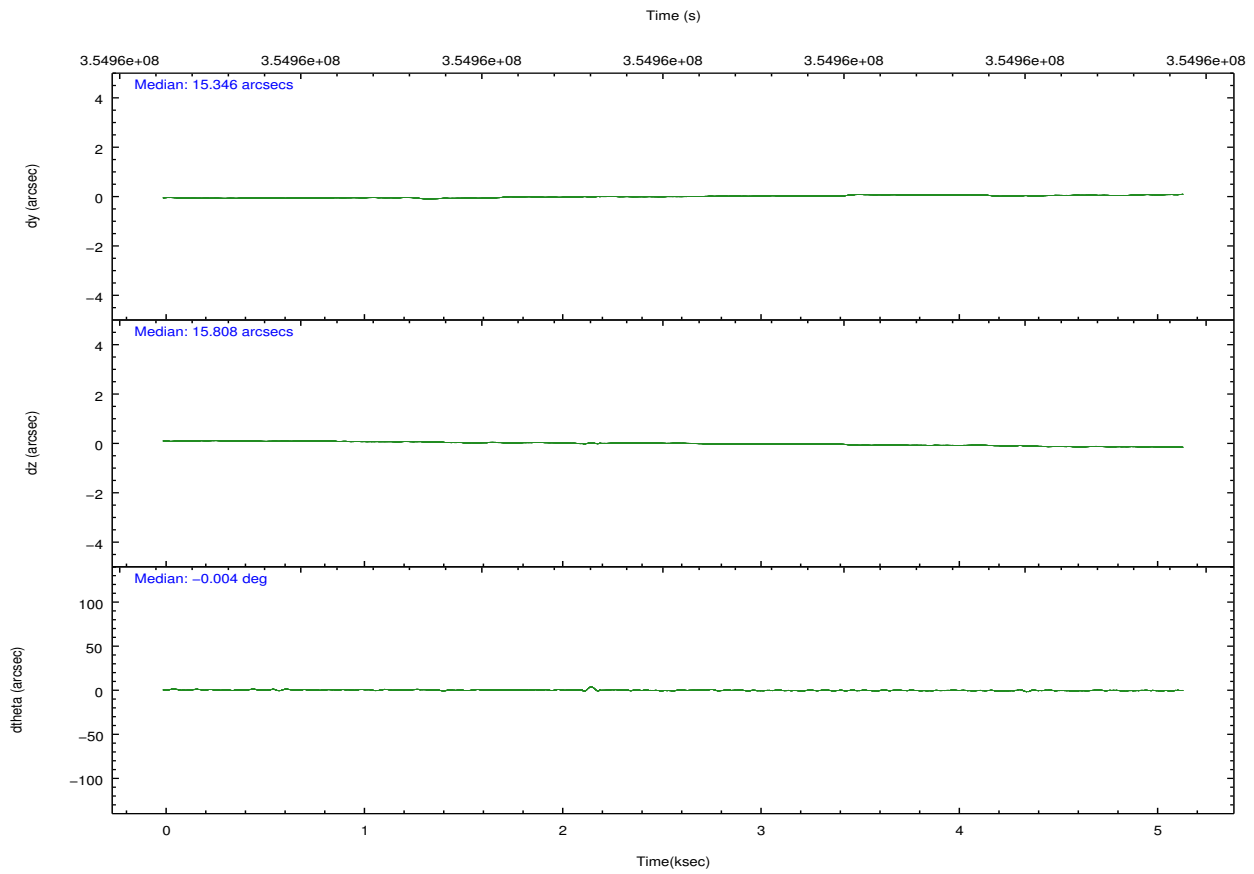
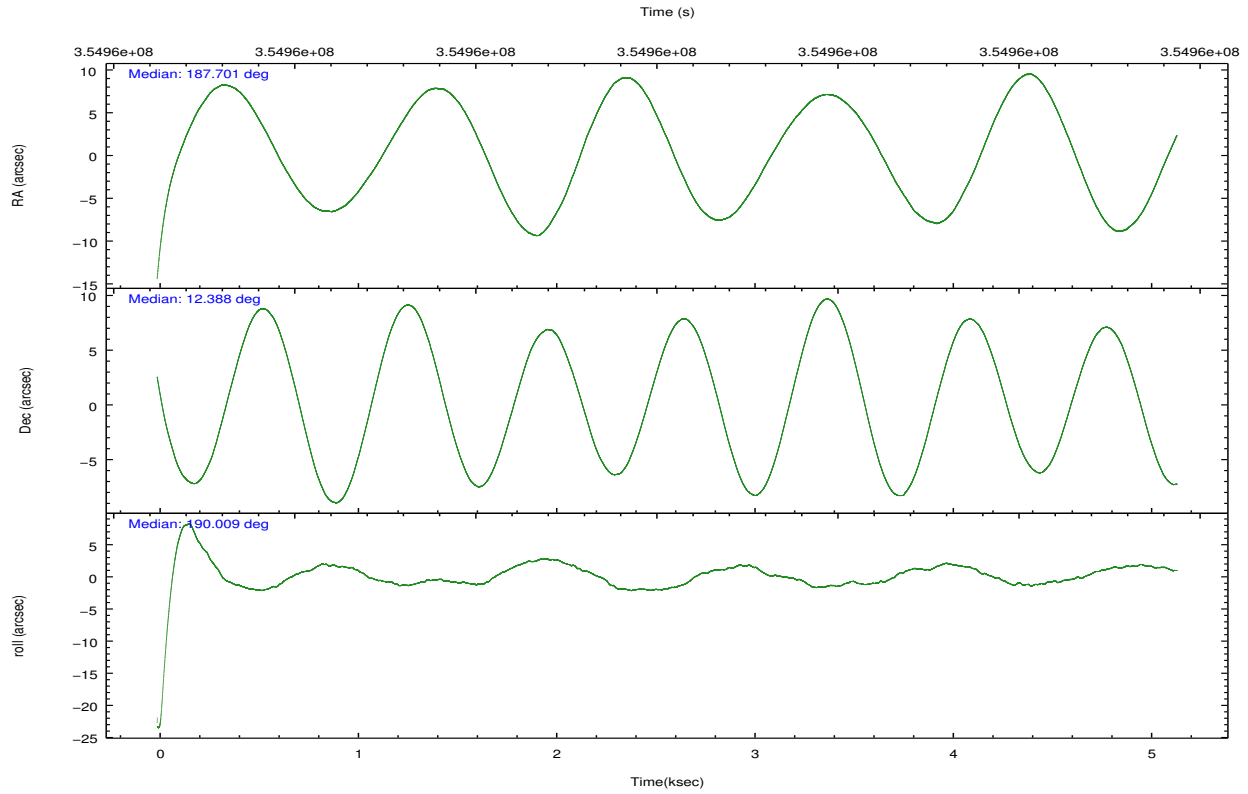
	ccd 7
grade 0 events	17212
	26%
grade 1 events	66
	0%
grade 2 events	14775
	22%
grade 3 events	6735
	10%
grade 4 events	6803
	10%
grade 5 events	1533
	2%
grade 6 events	12020
	18%
grade 7 events	5558
	8%

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	187.721654	187.7004346623305	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.406310	12.38837331259527	Subarray start row	449	449
[deg] Pointing Roll	189.856363	190.0174693755438	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)	354958625.184000	354957318.90959			
Observation start date	2009-04-01T07:35:59	2009-04-01T07:15:18			
[s] Observation end time (MET)	354963625.184000	354964544.13495			
Observation end date	2009-04-01T08:59:19	2009-04-01T09:15:44			
Read mode	TIMED	TIMED			

2.3 Aspect



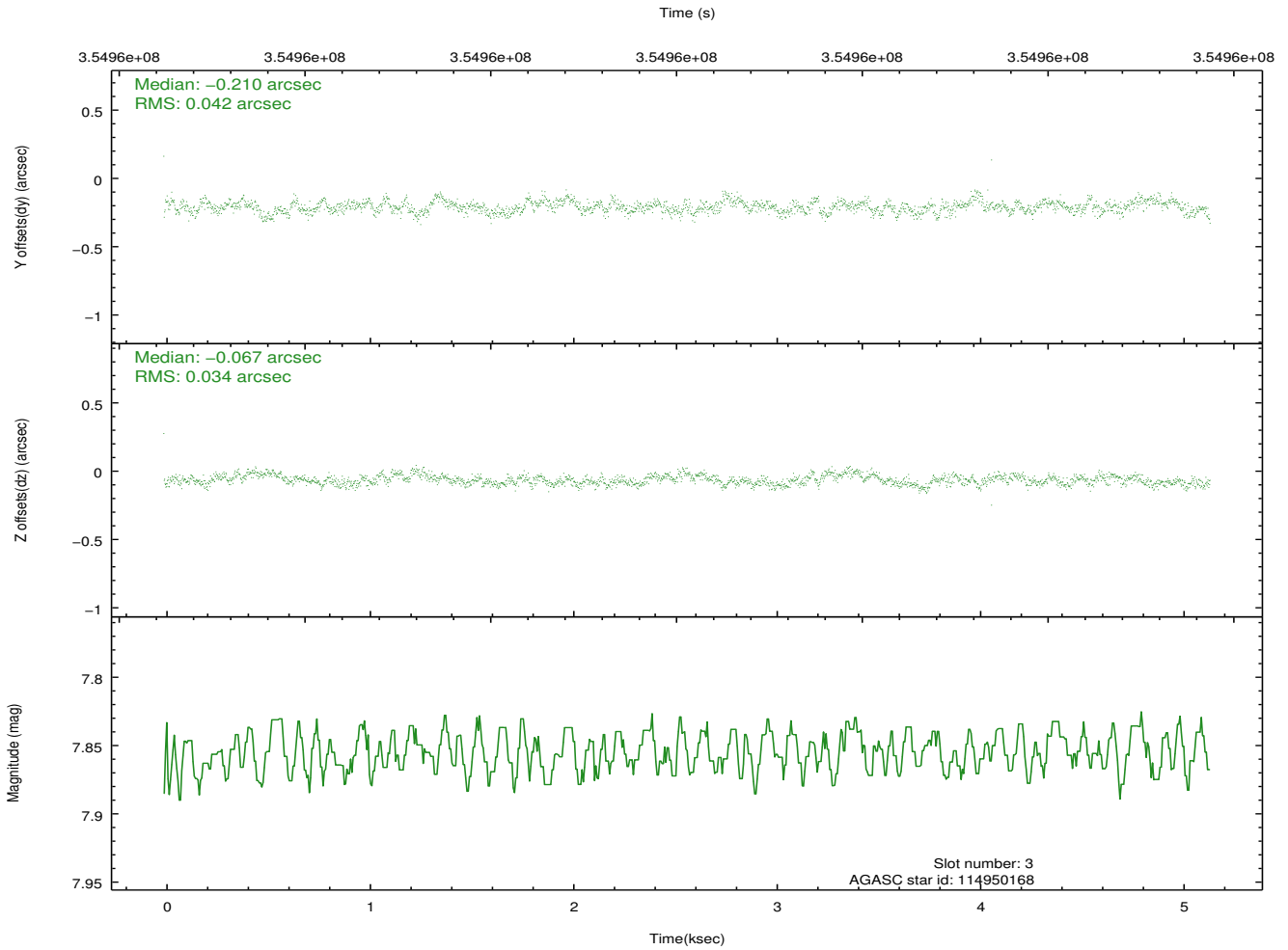
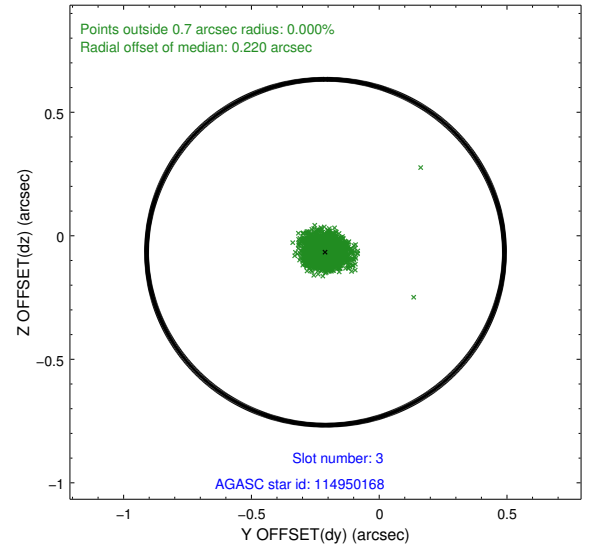
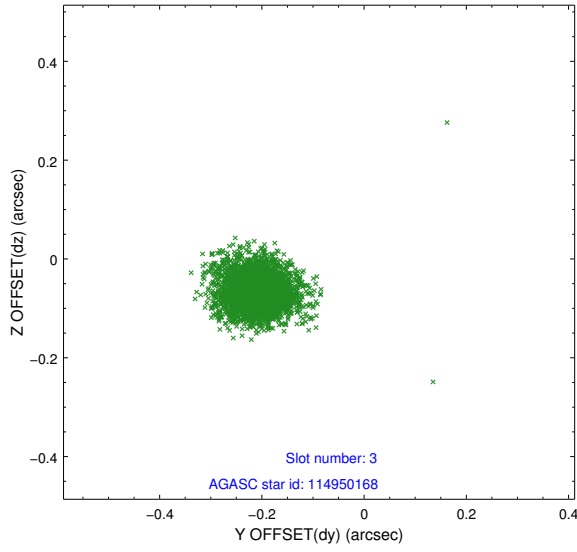


Slot Statistics

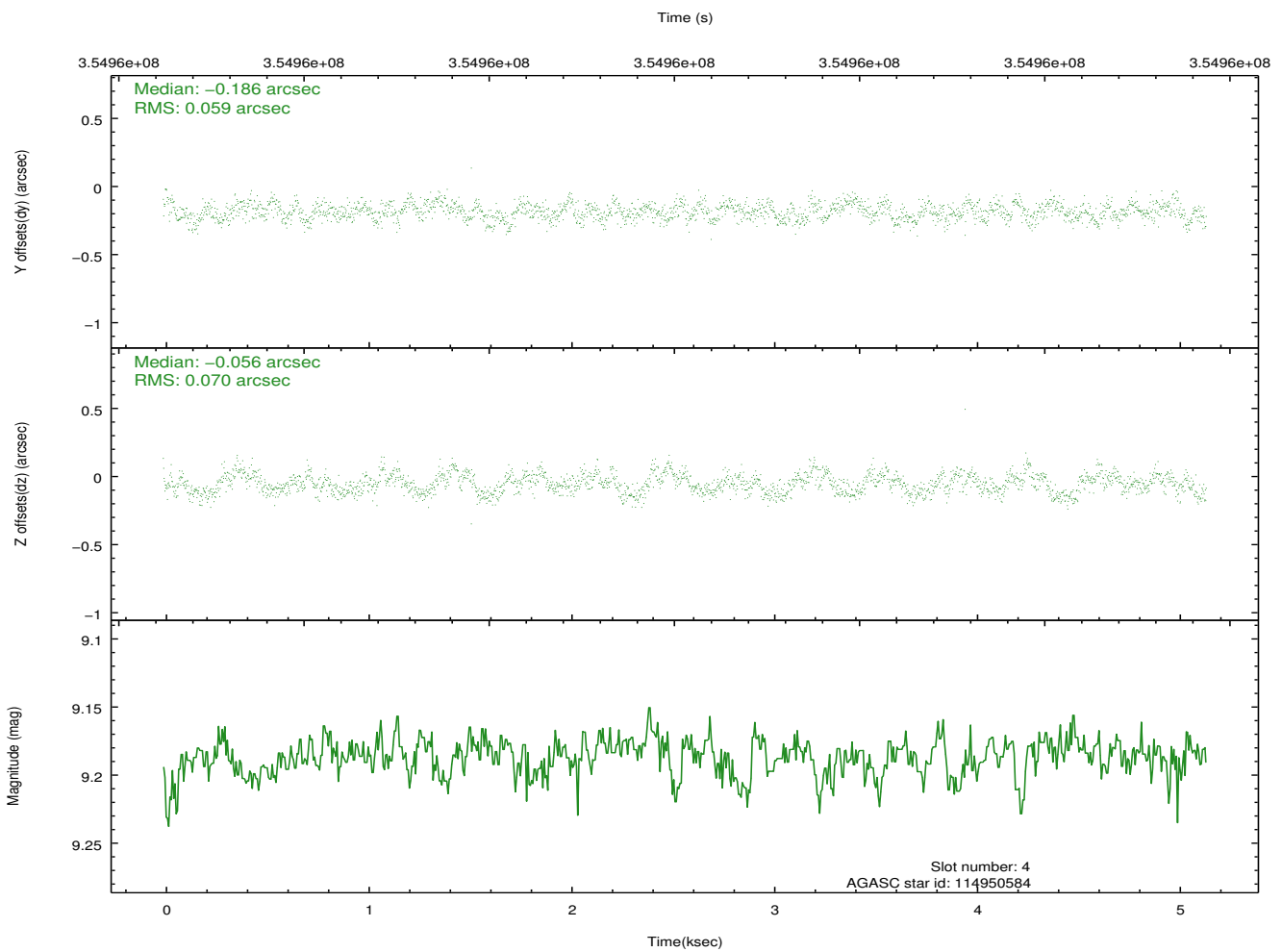
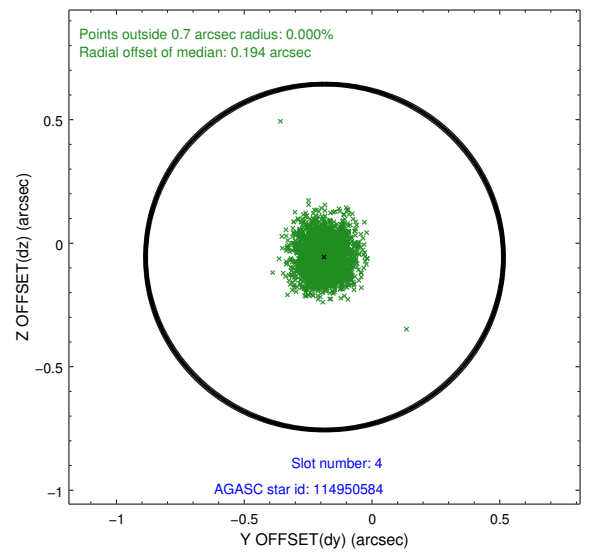
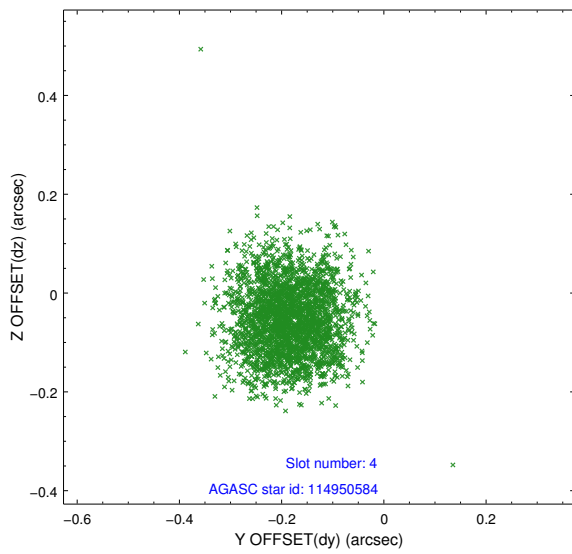
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.83	1255	-0.092	-0.014	0.007	0.012	0.000000	0.000000	-768.41	-1737.21
1	FID	ACIS-S-4	6.91	1255	0.189	0.048	0.006	0.011	0.000000	0.000000	2144.60	170.12
2	FID	ACIS-S-5	6.94	1255	-0.129	-0.026	0.007	0.011	0.000000	0.000000	-1819.79	165.04
3	GUIDE	114950168	7.86	2510	-0.210	-0.067	0.056	0.091	187.143398	12.117441	2182.66	674.14
4	GUIDE	114950584	9.19	2507	-0.186	-0.056	0.099	0.154	187.487323	11.827248	1171.07	1912.25
5	GUIDE	114955056	8.32	2510	0.418	0.040	0.063	0.102	187.914001	12.127854	-494.59	1103.65
6	GUIDE	114952792	9.52	2510	-0.031	0.123	0.142	0.226	187.070263	12.344747	2295.15	-175.72
7	GUIDE	114956608	9.66	2501	0.012	-0.043	0.125	0.199	187.452443	11.725979	1355.58	2250.08

2.4 Star Slots

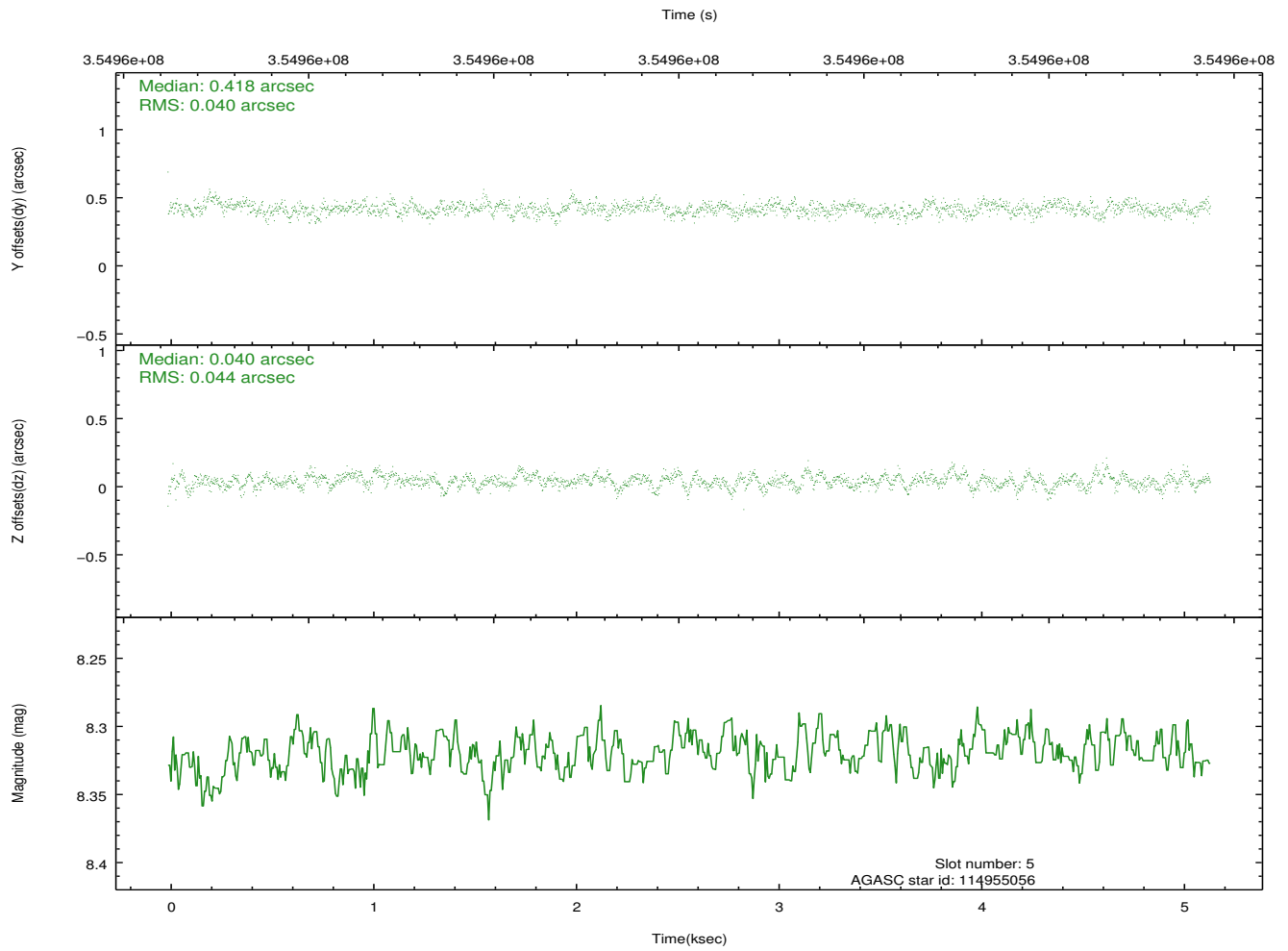
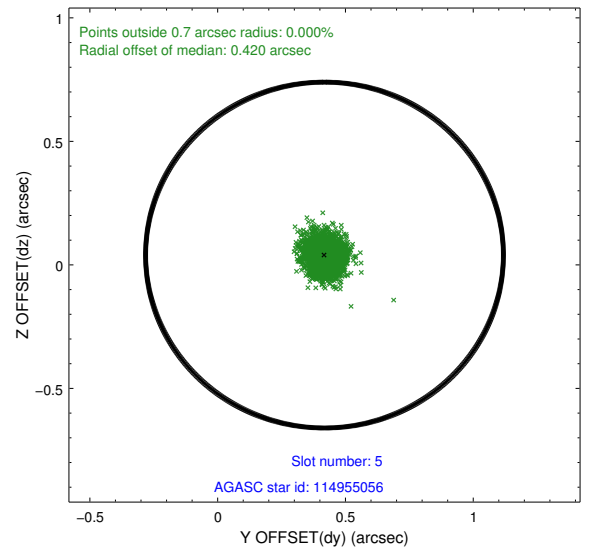
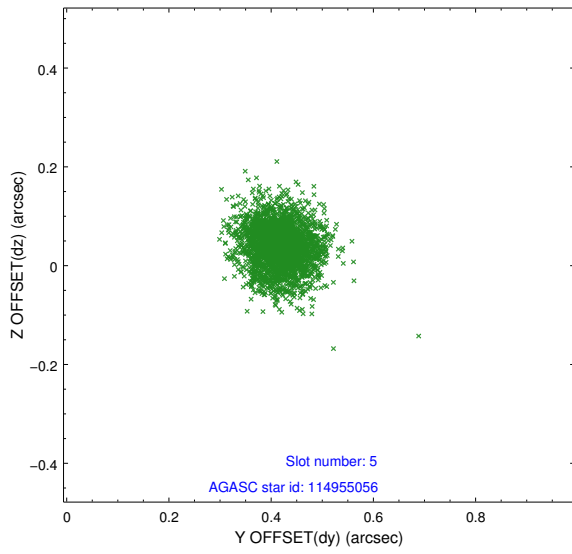
2.4.1 Slot 3



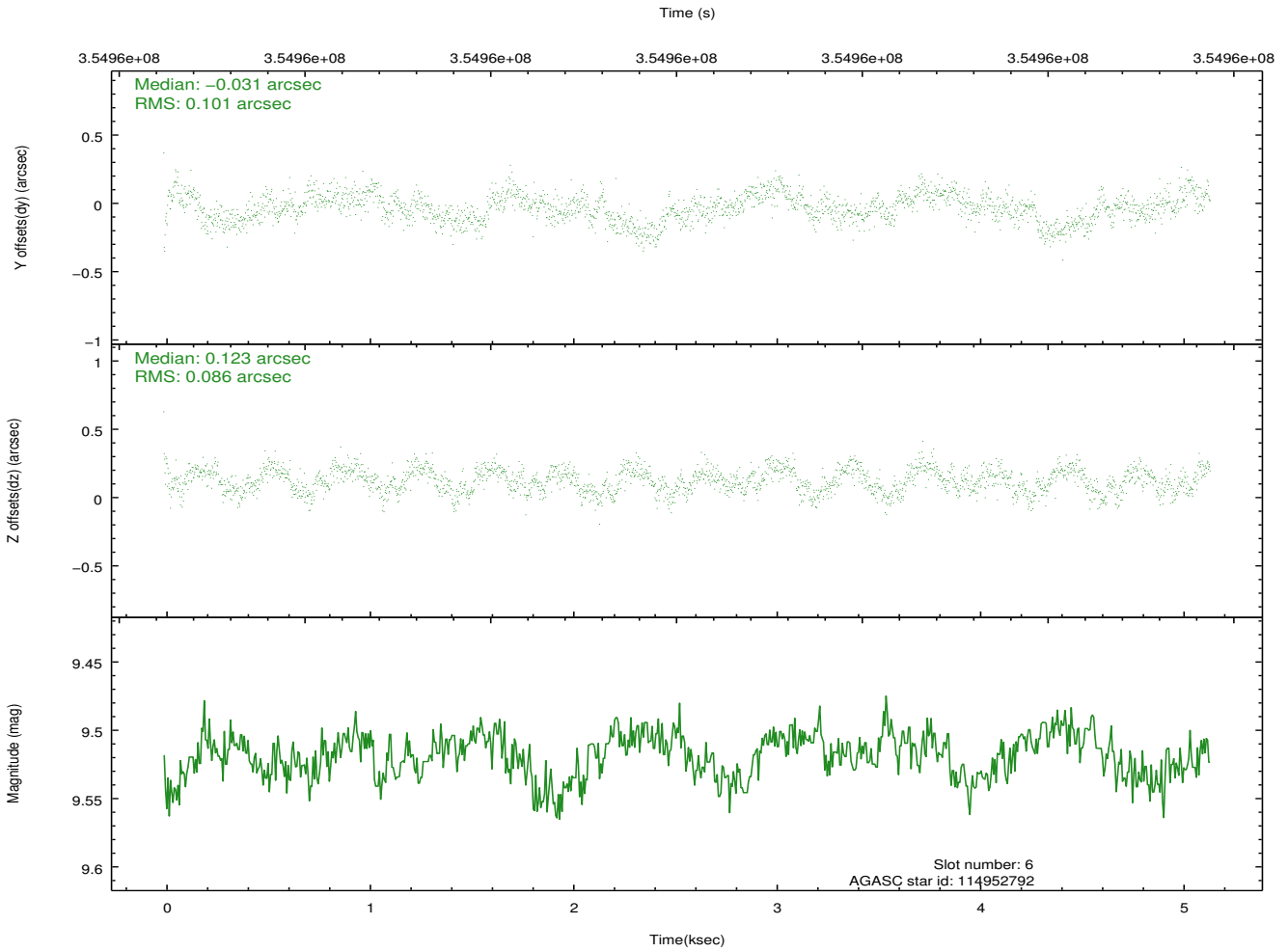
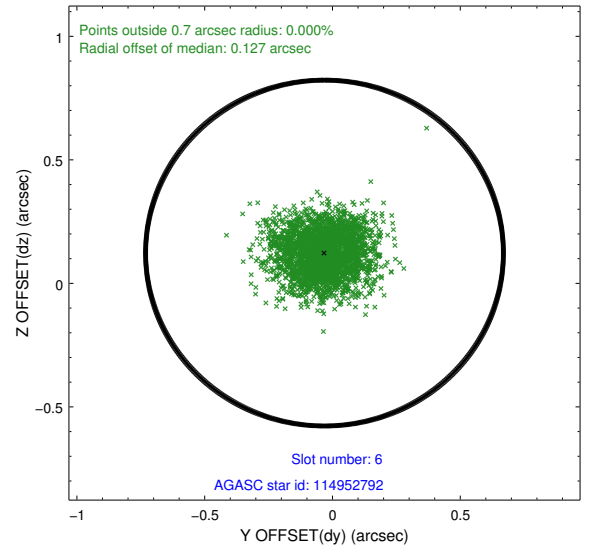
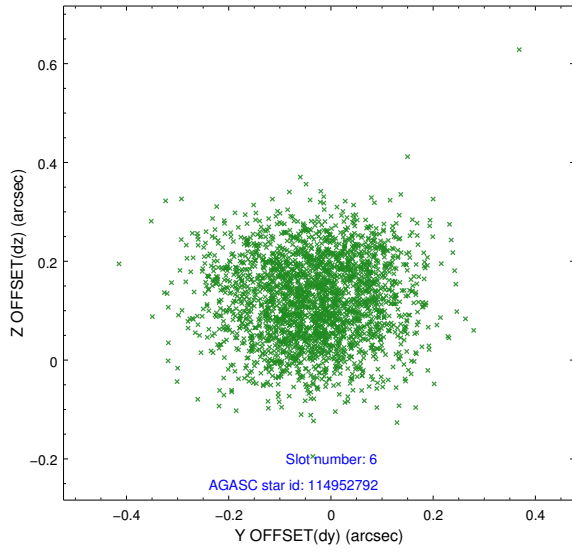
2.4.2 Slot 4



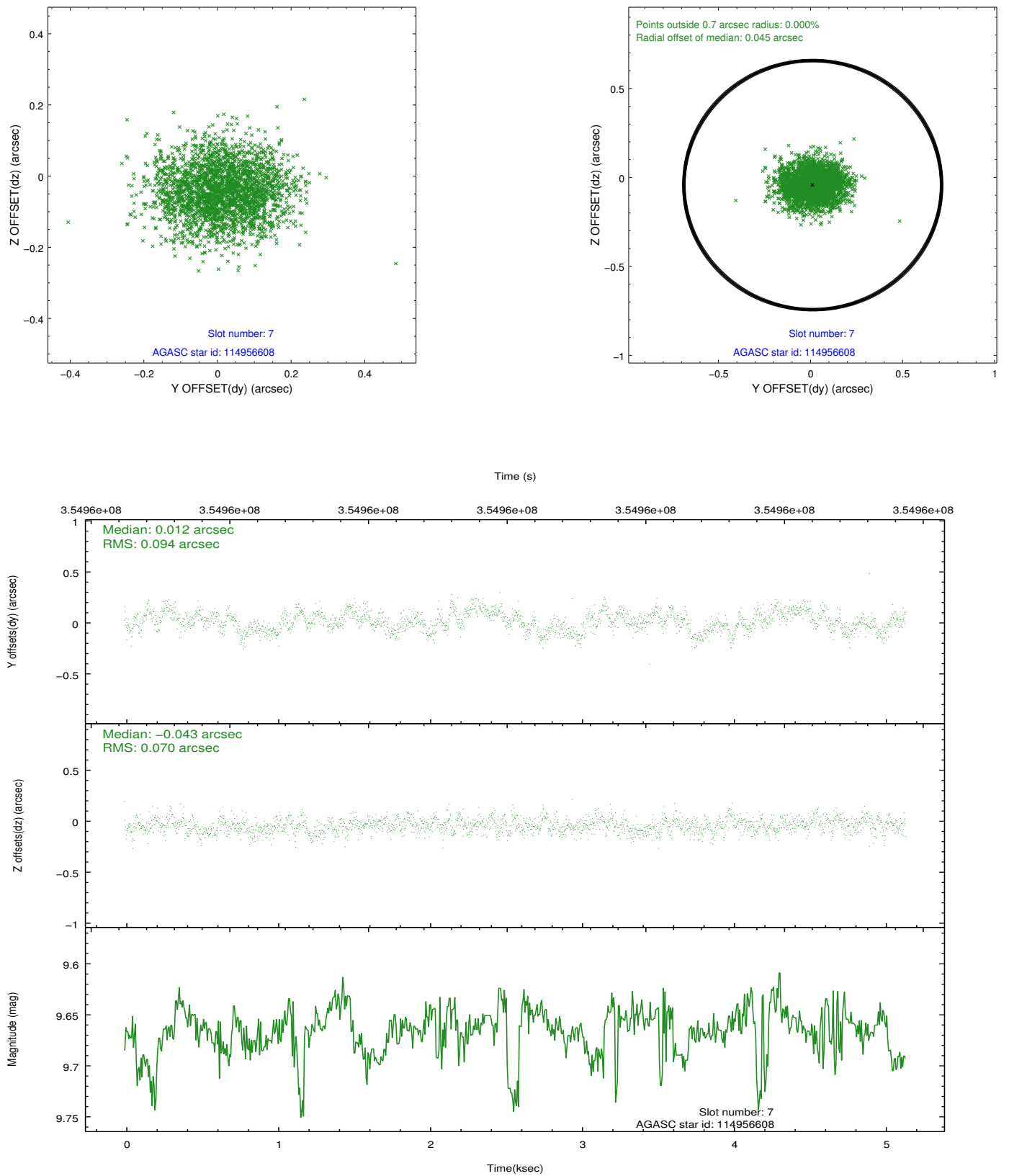
2.4.3 Slot 5



2.4.4 Slot 6

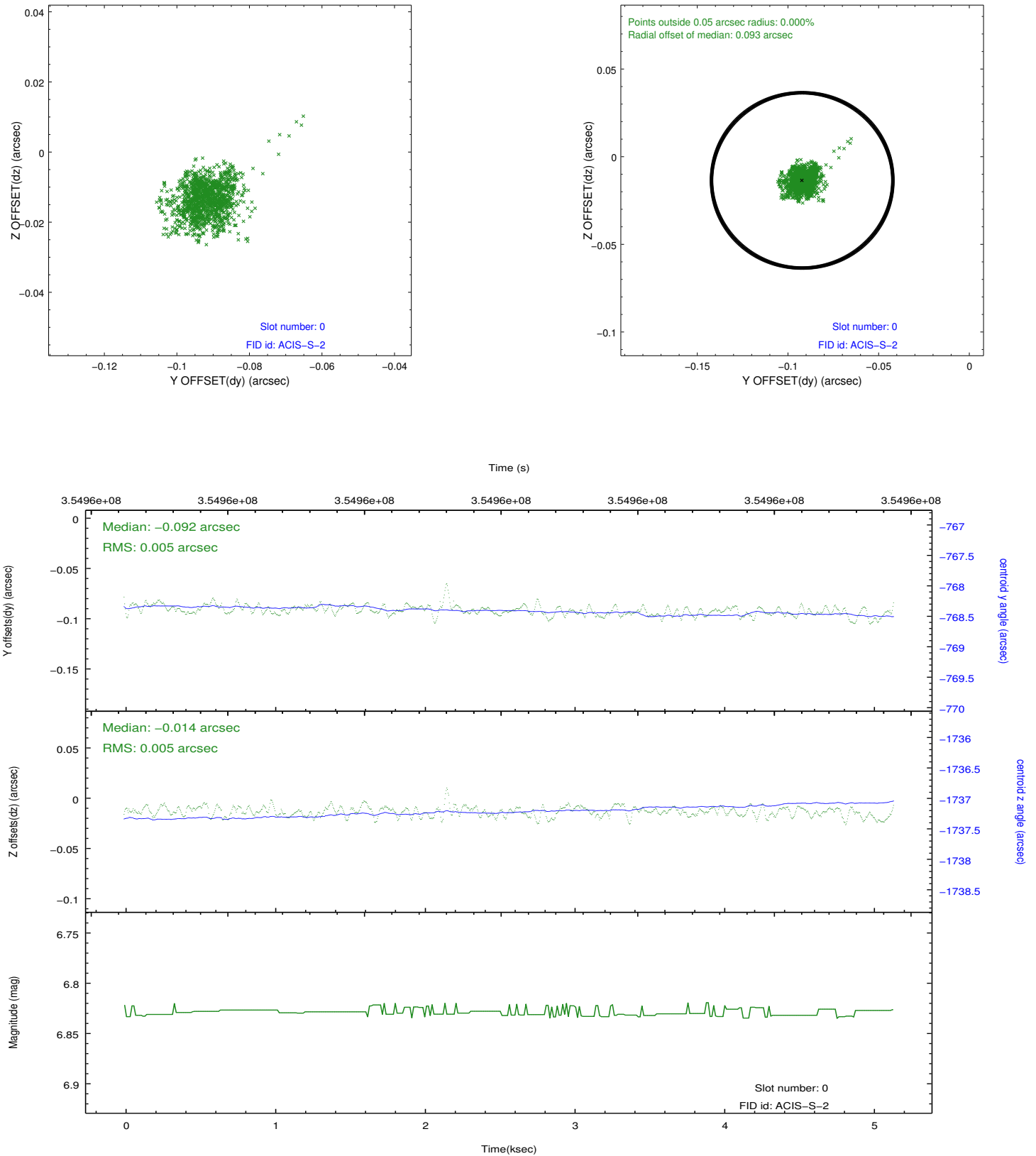


2.4.5 Slot 7

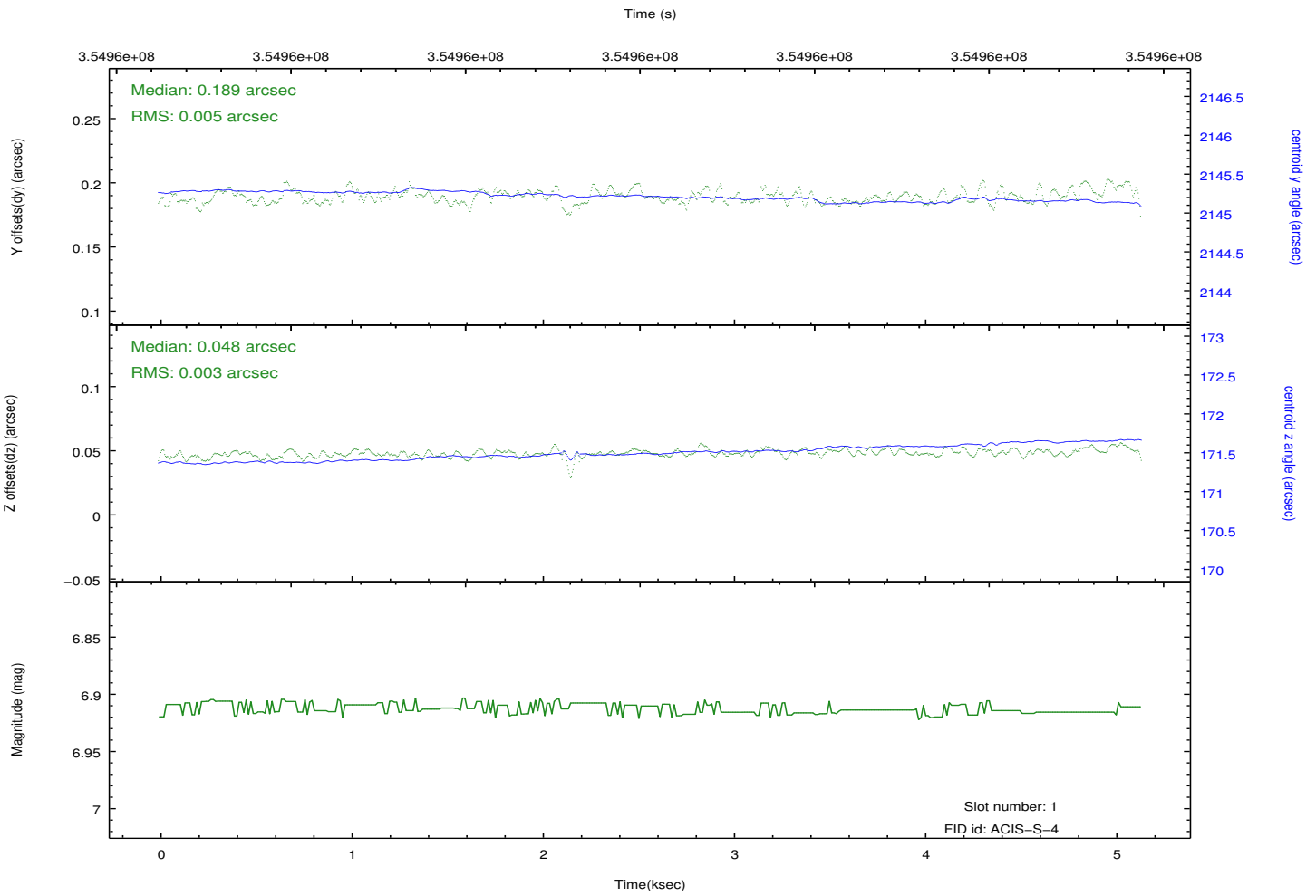
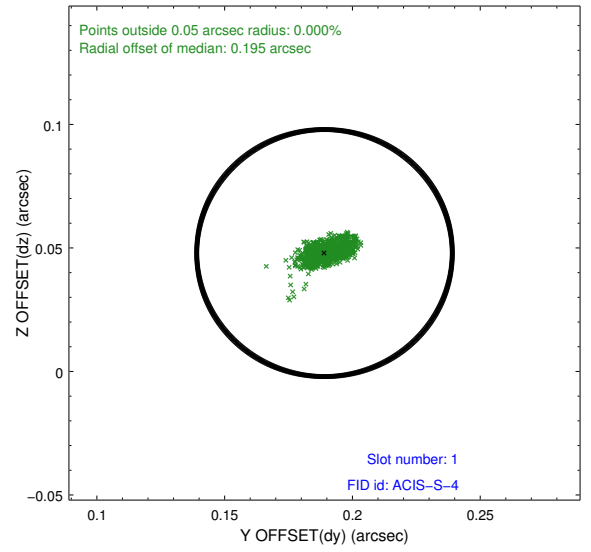
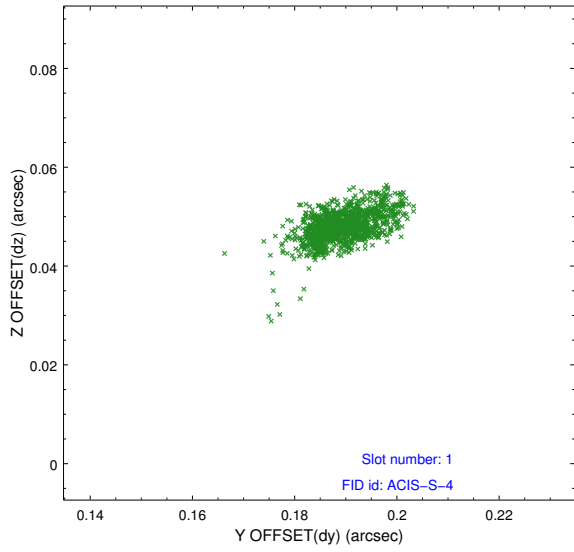


2.5 FID Slots

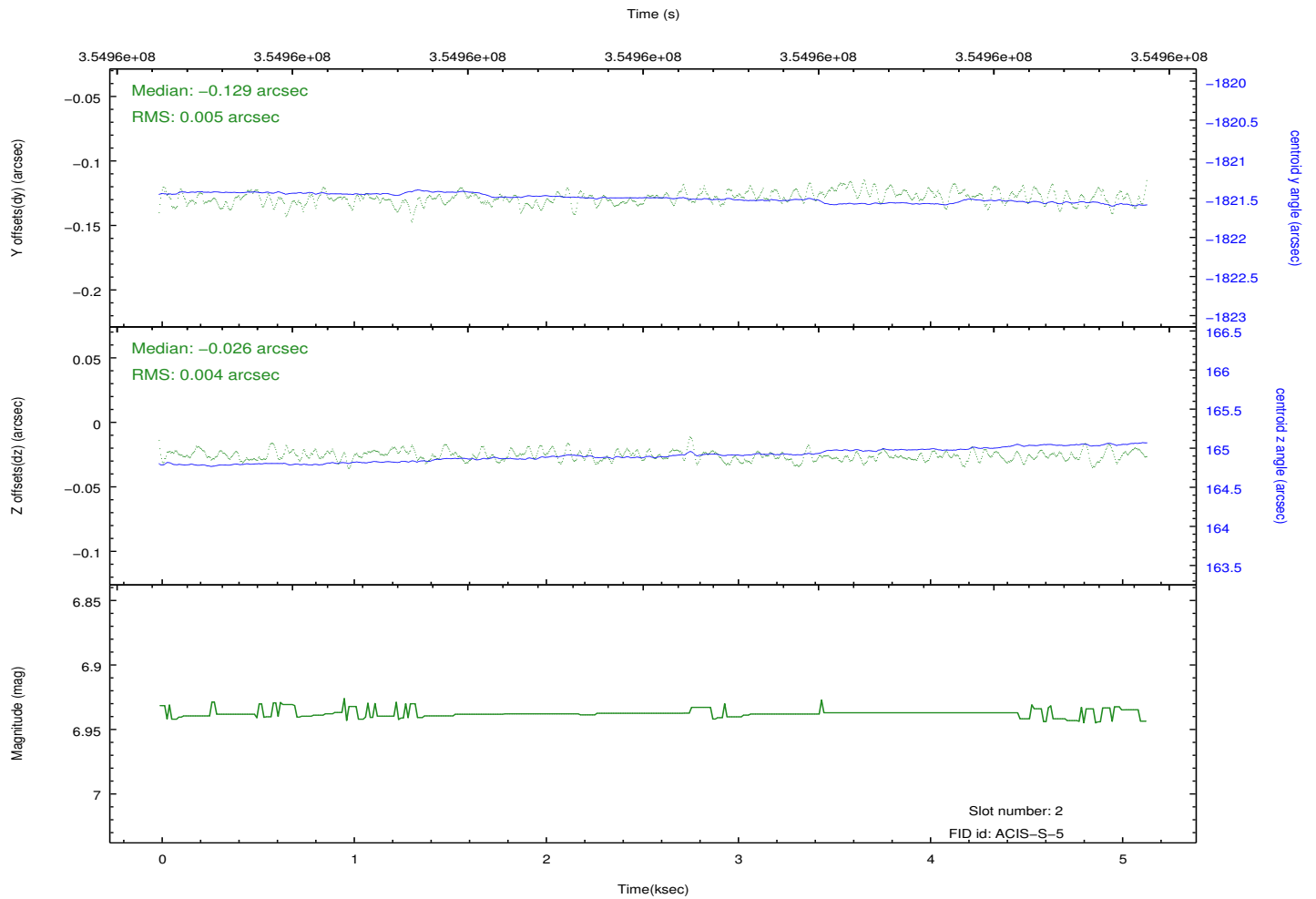
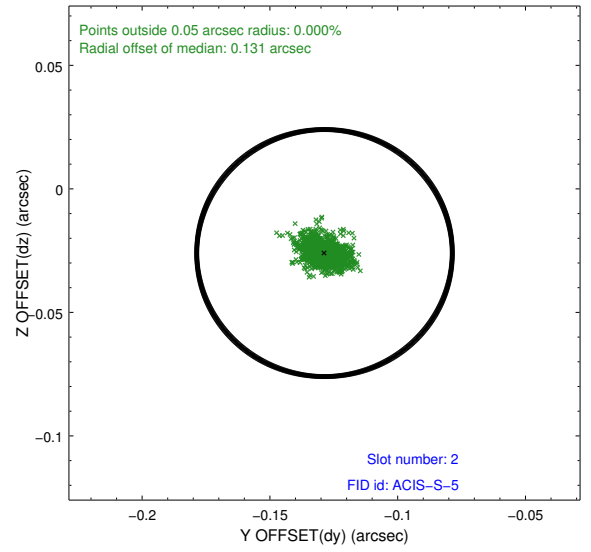
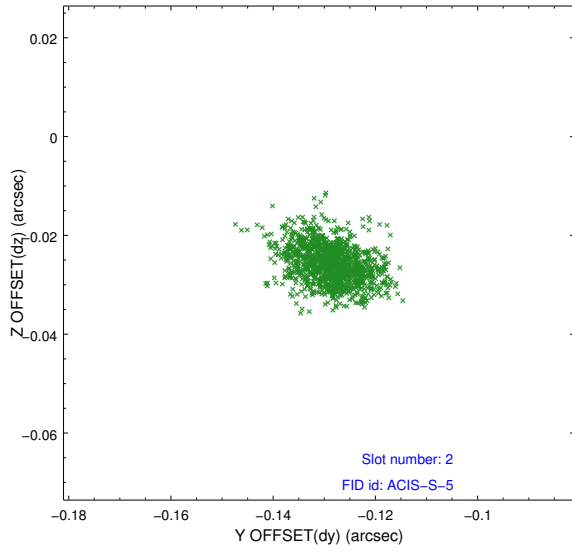
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14279969

A.2 Comments