

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2131 - L2 Version 3
Chandra X-Ray Center

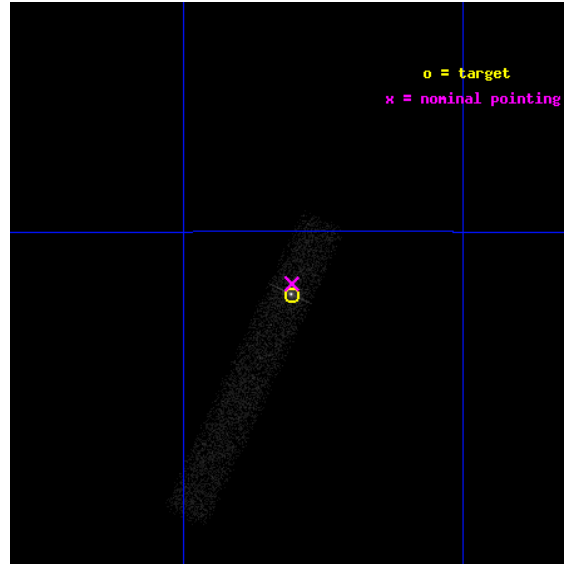
L2 Processing Date : Sep 20 2012

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1 Front

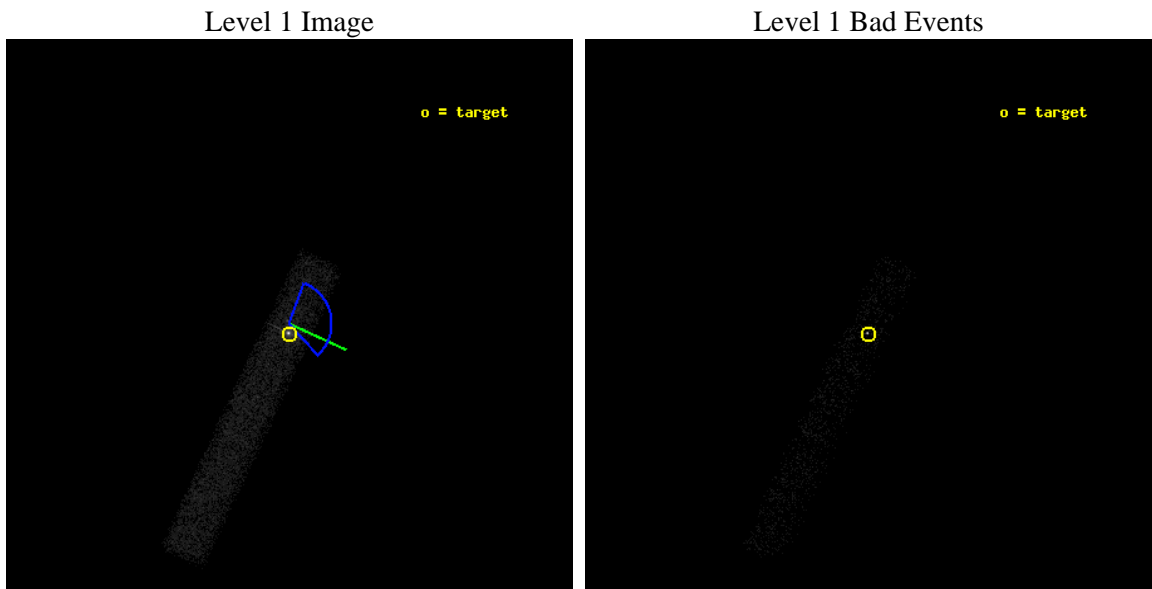
seq_num	700321	Sequence number
obs_id	2131	Observation id
title	AN UNBIASED SURVEY OF X-RAY AND OPTICAL EMISSION FROM EXTENDED RADIO JETS IN AGN	Proposal title
observer	Dr. Rita Sambruna	Principal investigator
object	0405-123	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	61.951667	Observer's specified target RA [deg]
dec_targ	-12.193611	Observer's specified target Dec [deg]
ra_nom	61.951468646858	Nominal RA [deg]
dec_nom	-12.189156805058	Nominal Dec [deg]
roll_nom	115.36514305157	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9550.2337886691	Sum of GTIs [s]
livetime	8661.5579436506	Livetime [s]
ontime7	9550.2337886691	Sum of GTIs [s]
l2events	18485	Number of level 2 events



2 OBI

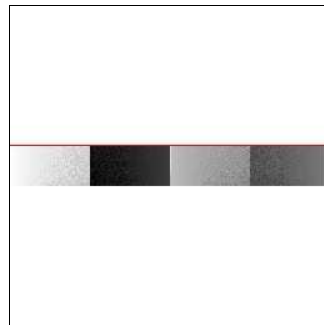
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9697.497000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9550.2337886691	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime7	9550.2337886691	Sum of GTIs [s]
date	2012-09-20T19:36:52	Date and time of file creation	l1events	27054	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

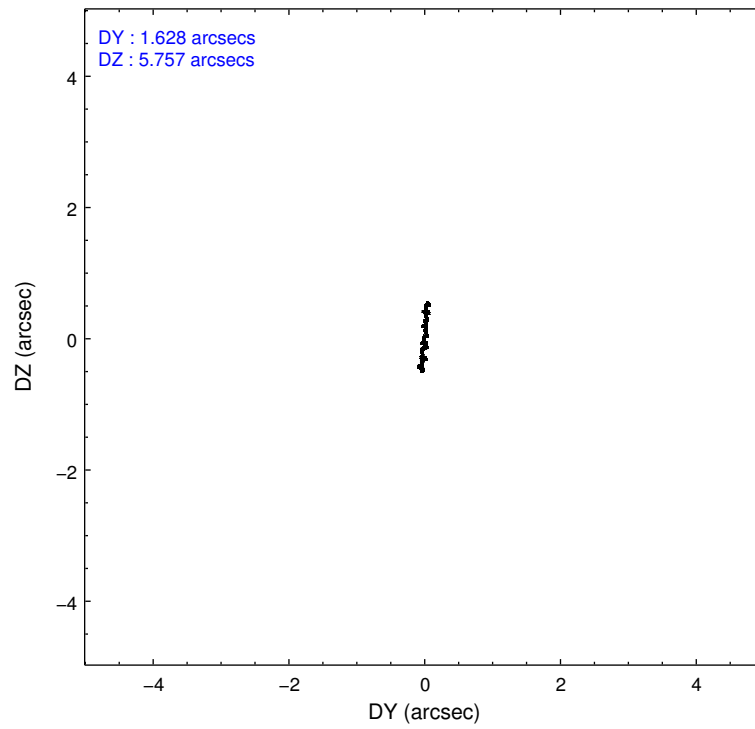
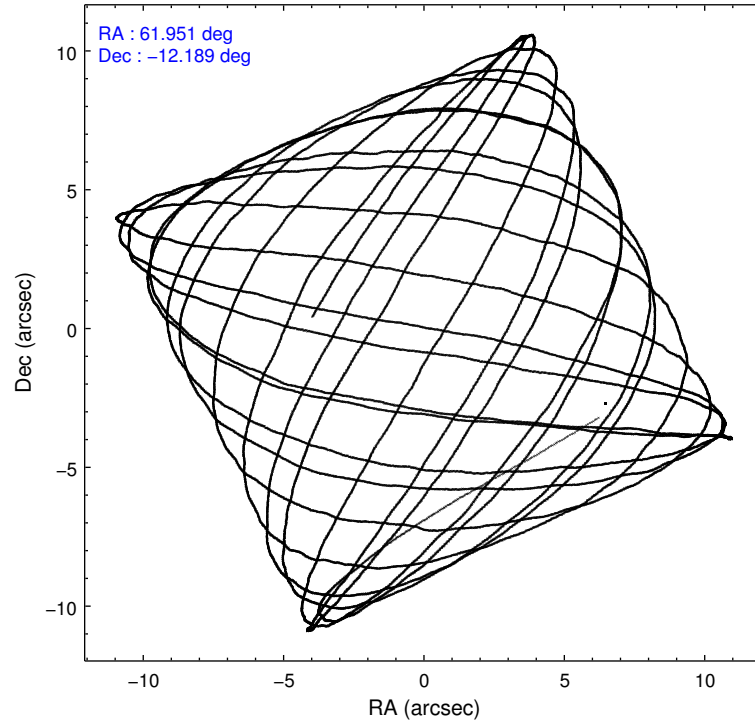
	ccd 7
level 1 events	27054
rejected events	7765
rejected %	28%

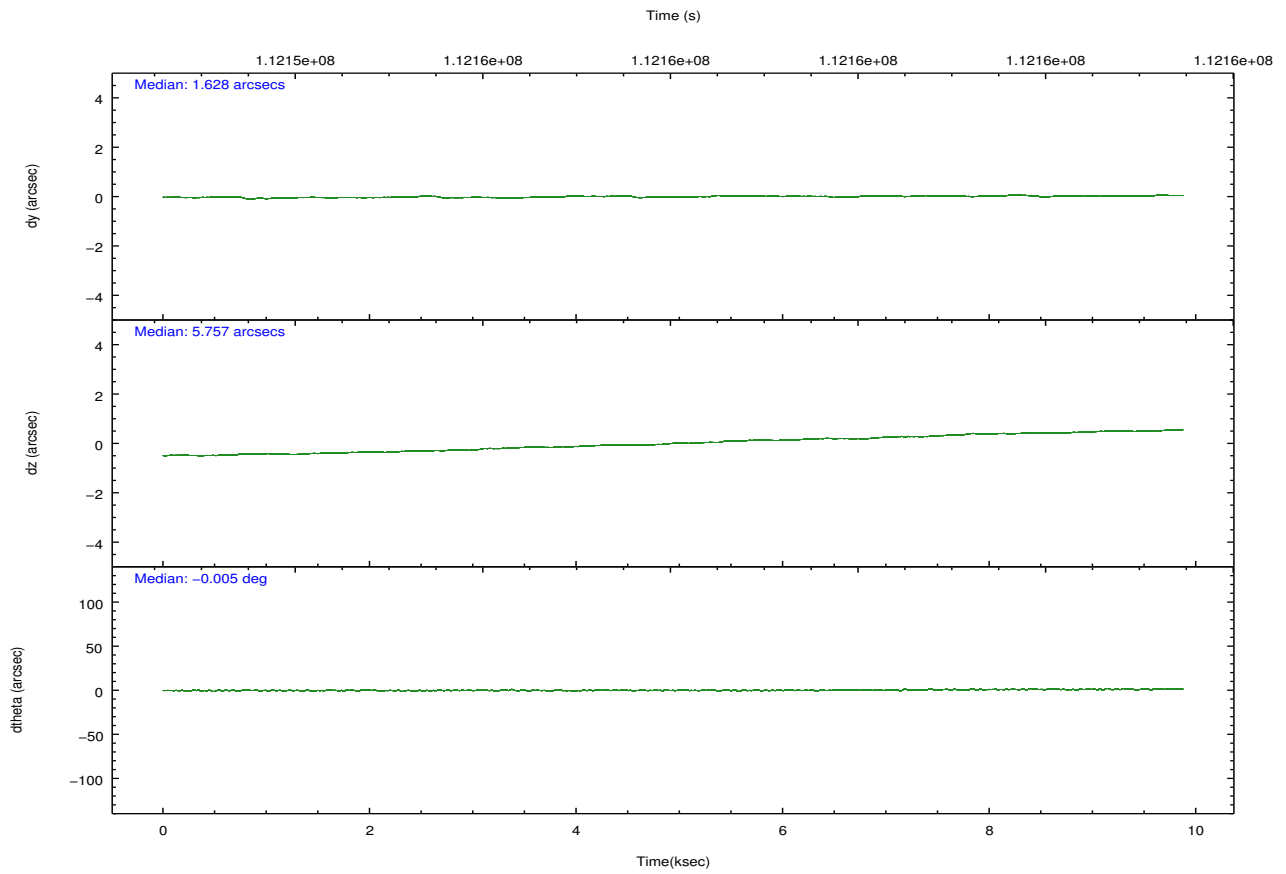
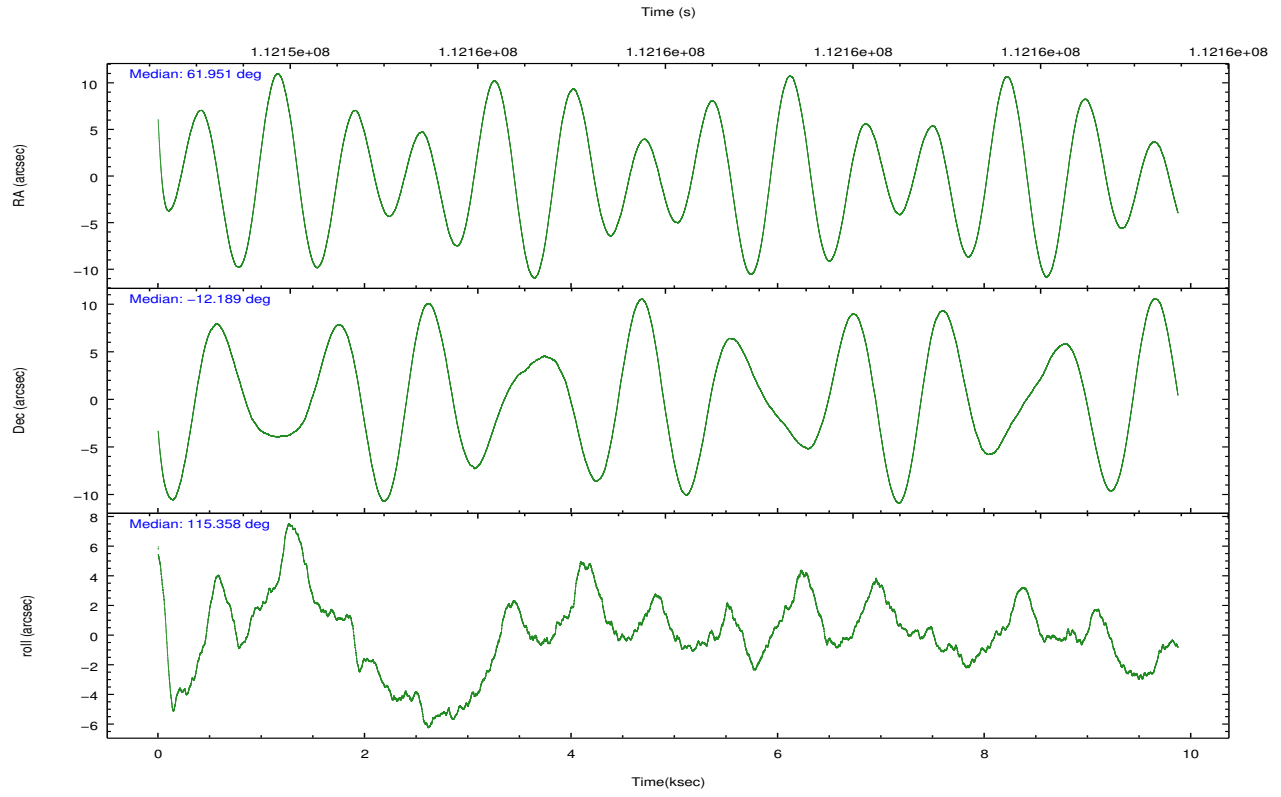
	ccd 7
grade 0 events	4450
	16%
grade 1 events	215
	0%
grade 2 events	4494
	16%
grade 3 events	2259
	8%
grade 4 events	2170
	8%
grade 5 events	1938
	7%
grade 6 events	5917
	21%
grade 7 events	5611
	20%

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	61.974596	61.95146864685844	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.204428	-12.18915680505753	Subarray start row	449	449
[deg] Pointing Roll	115.213405	115.3651430515737	Subarray row count	128	128
[deg] Roll angle	80.000000	80.000000	Alternating exposures requested	N	N
[deg] Roll tolerance	59.000000	59.000000	[s] Primary exposure time	0.000000	0.4
Roll constraint allows 180D rotation	N	N			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	112153267.184000	112152269.05283			
Observation start date	2001-07-22T01:40:03	2001-07-22T01:24:29			
[s] Observation end time (MET)	112162964.184000	112163279.09076			
Observation end date	2001-07-22T04:21:40	2001-07-22T04:27:59			
Read mode	TIMED	TIMED			

2.3 Aspect



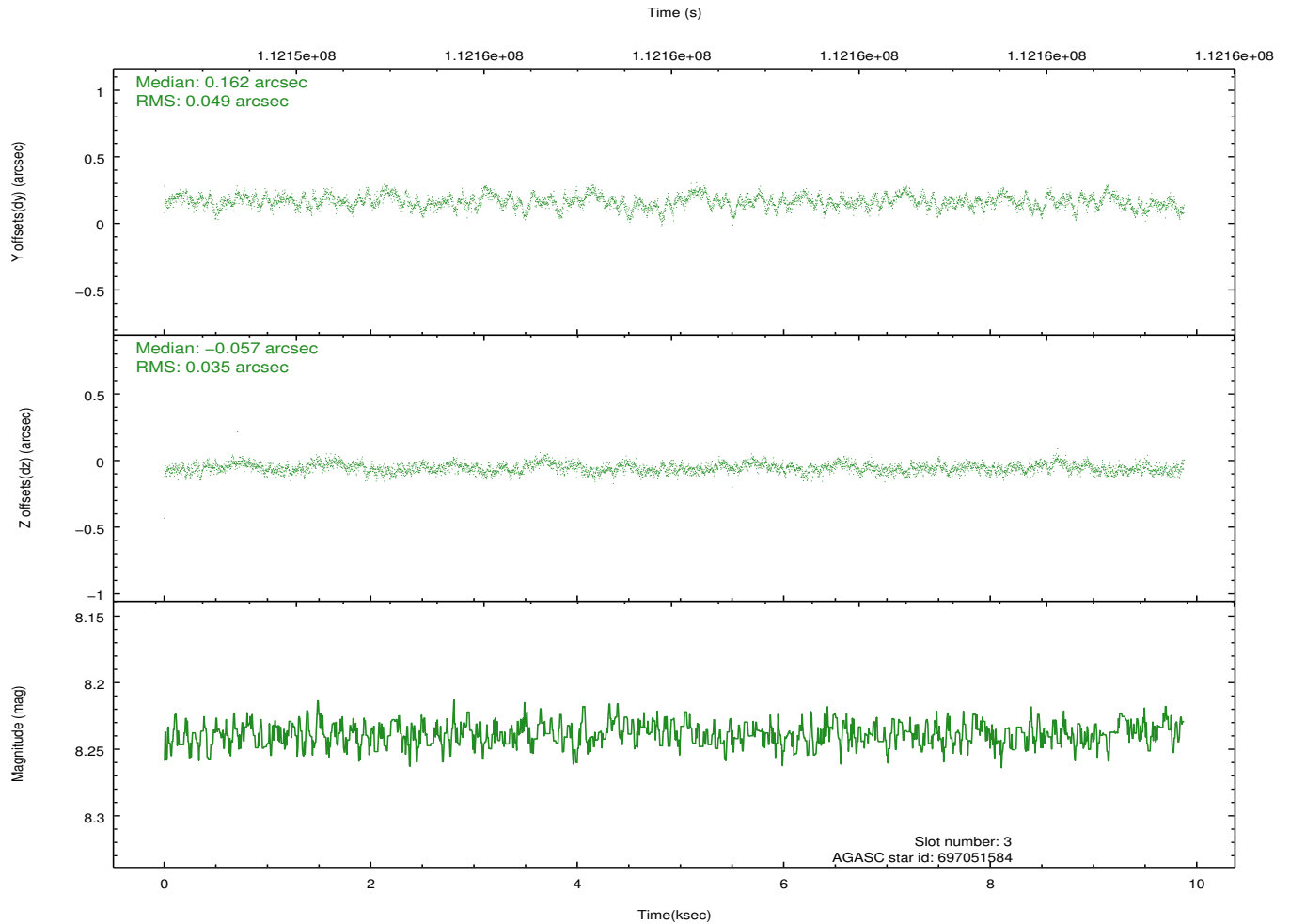
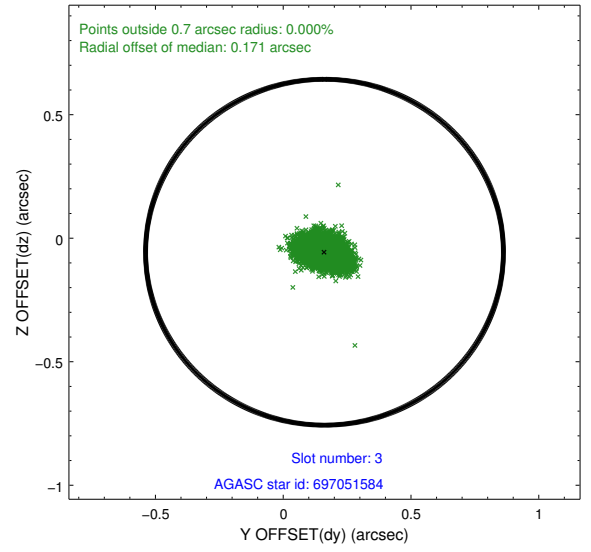
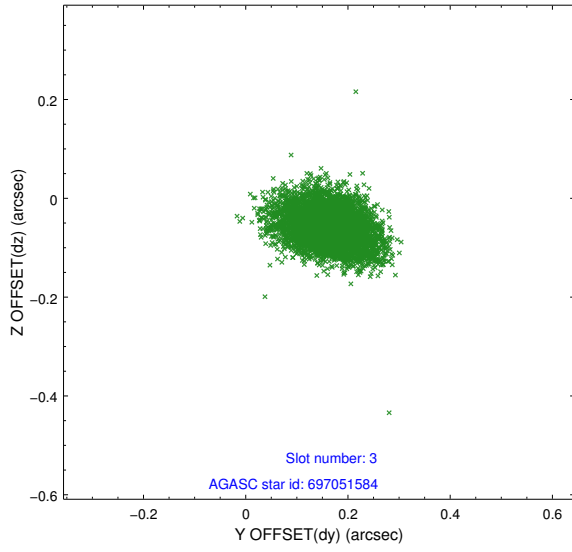


Slot Statistics

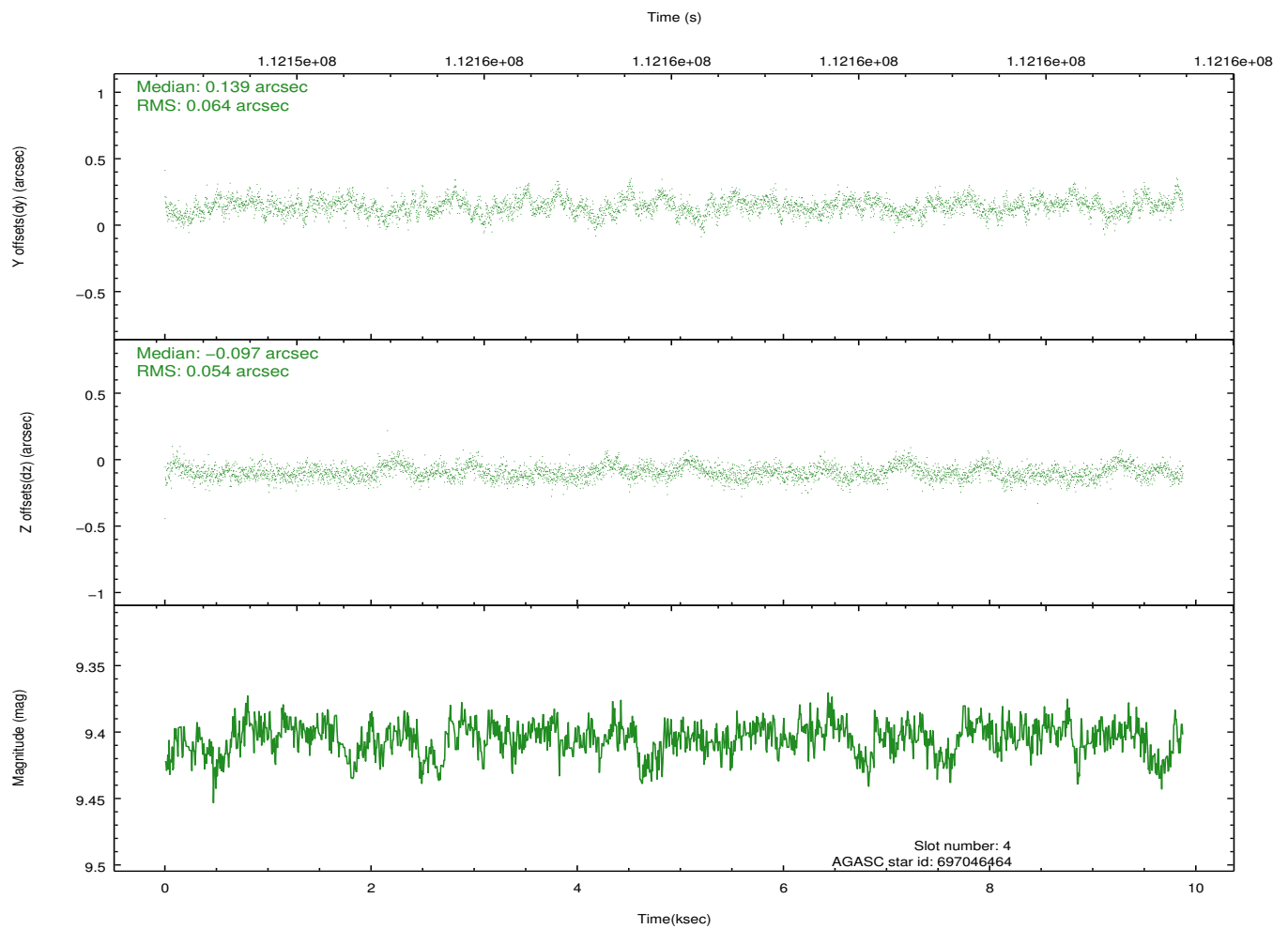
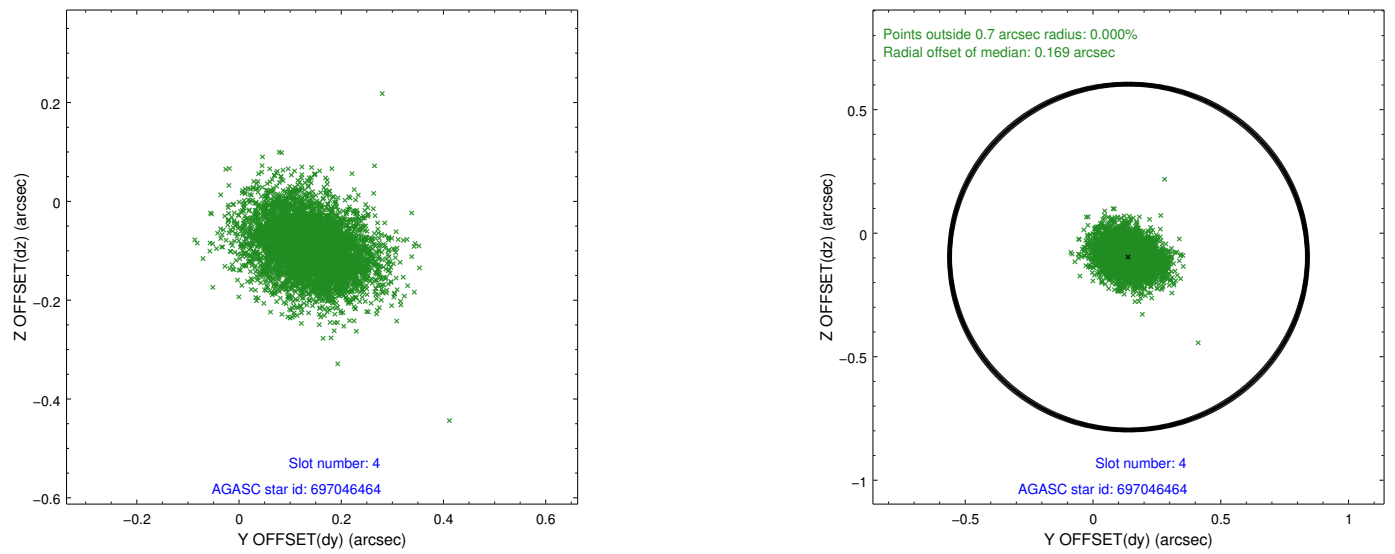
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2409	-0.041	0.006	0.007	0.011	0.000000	0.000000	-754.23	-1726.90
1	FID	ACIS-S-4	7.20	2408	-0.036	0.018	0.007	0.013	0.000000	0.000000	2158.77	181.10
2	FID	ACIS-S-5	7.24	2408	0.046	-0.016	0.007	0.012	0.000000	0.000000	-1806.33	175.27
3	GUIDE	697051584	8.24	4815	0.162	-0.057	0.062	0.107	61.845245	-12.658678	-1286.59	1107.50
4	GUIDE	697046464	9.40	4816	0.139	-0.097	0.088	0.145	62.016173	-12.512844	-1067.49	340.75
5	GUIDE	696650176	8.80	4813	-0.055	0.195	0.069	0.111	62.359396	-11.993938	106.78	-1548.07
6	GUIDE	696663240	9.18	4815	-0.254	-0.009	0.082	0.137	61.490507	-11.700212	2366.93	771.34
7	GUIDE	696650480	9.17	4815	0.008	-0.035	0.082	0.131	61.577909	-11.910493	1551.54	814.20

2.4 Star Slots

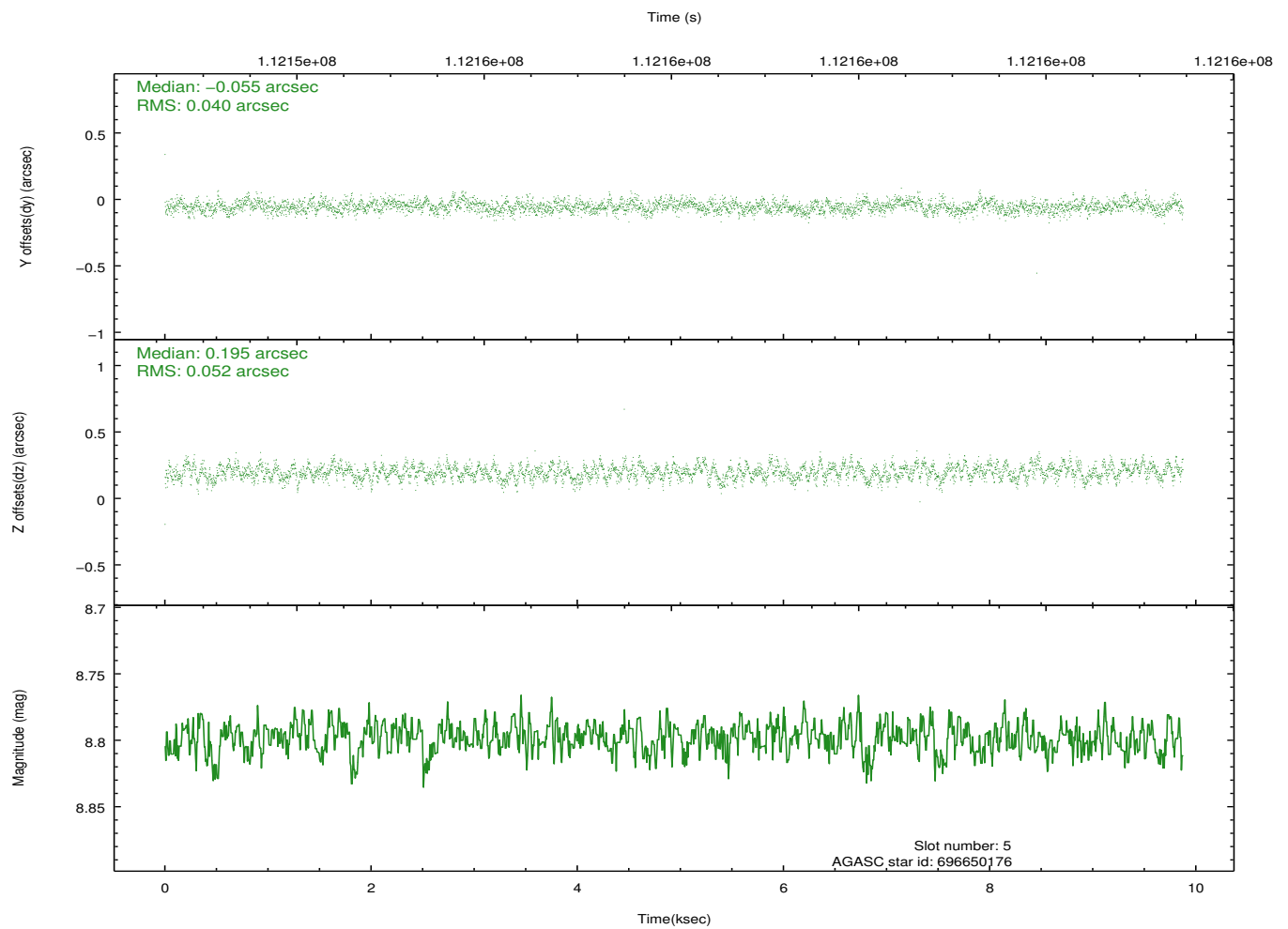
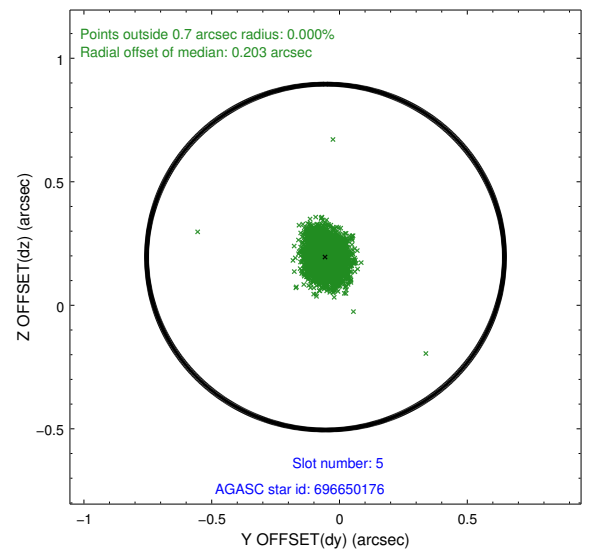
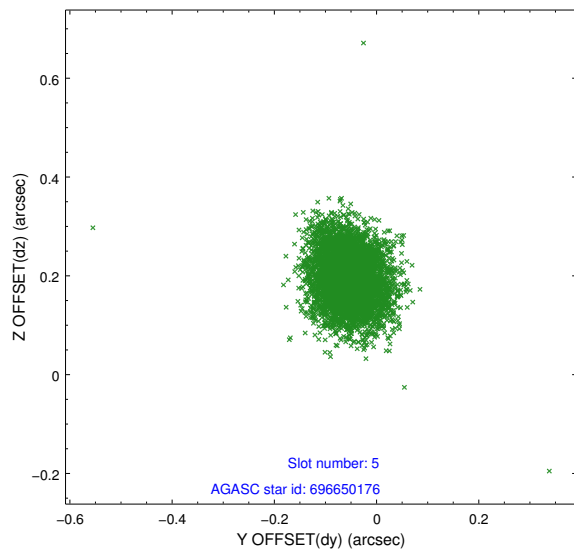
2.4.1 Slot 3



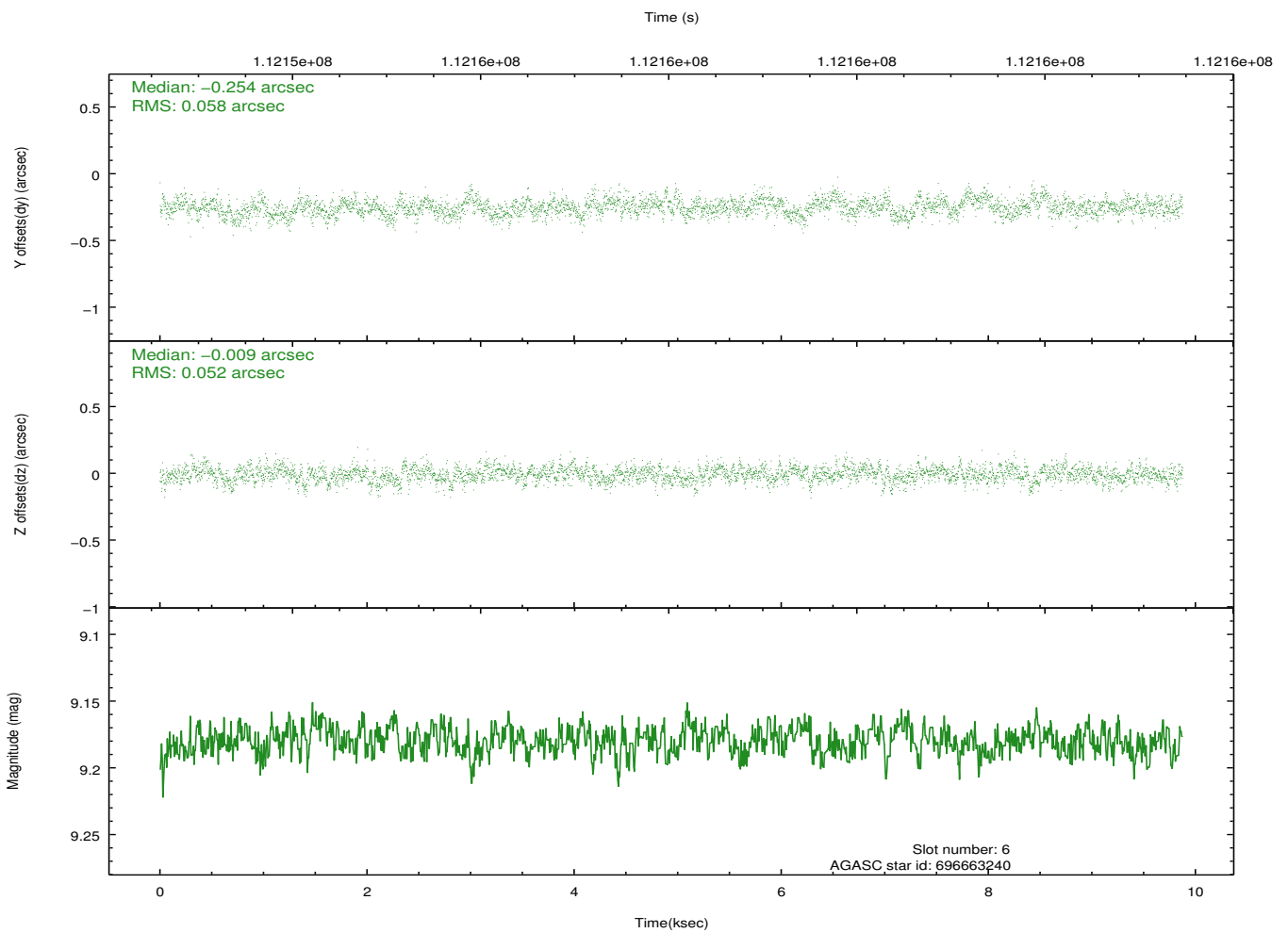
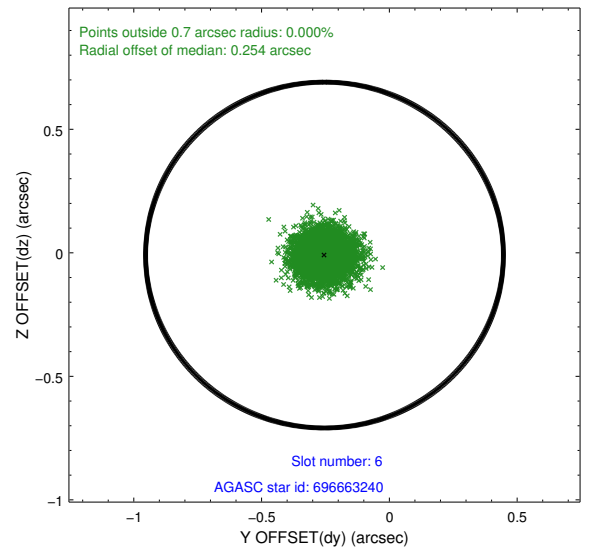
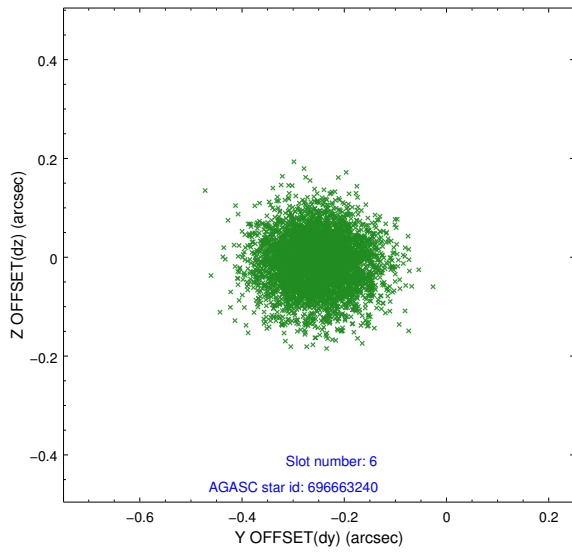
2.4.2 Slot 4



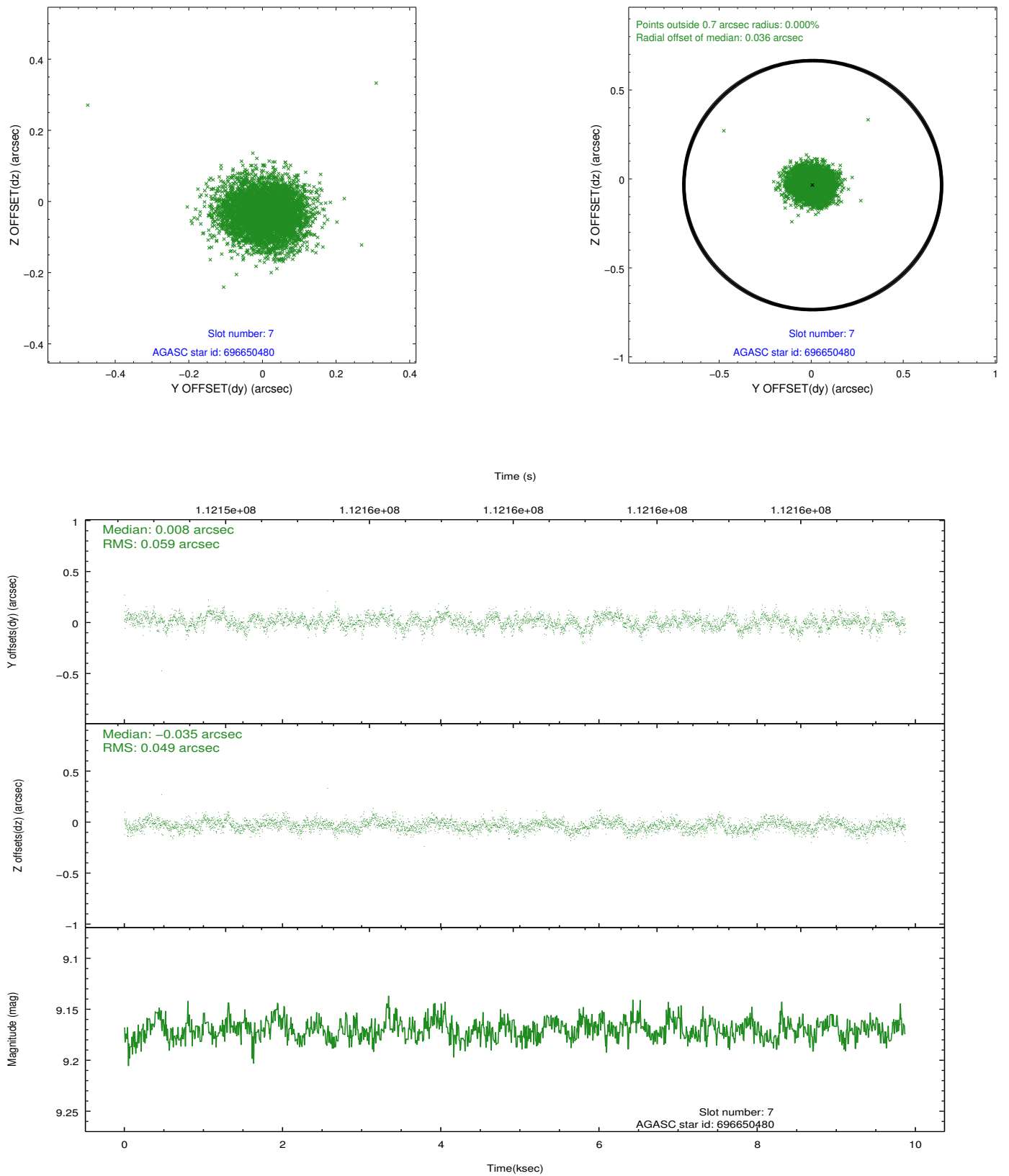
2.4.3 Slot 5



2.4.4 Slot 6

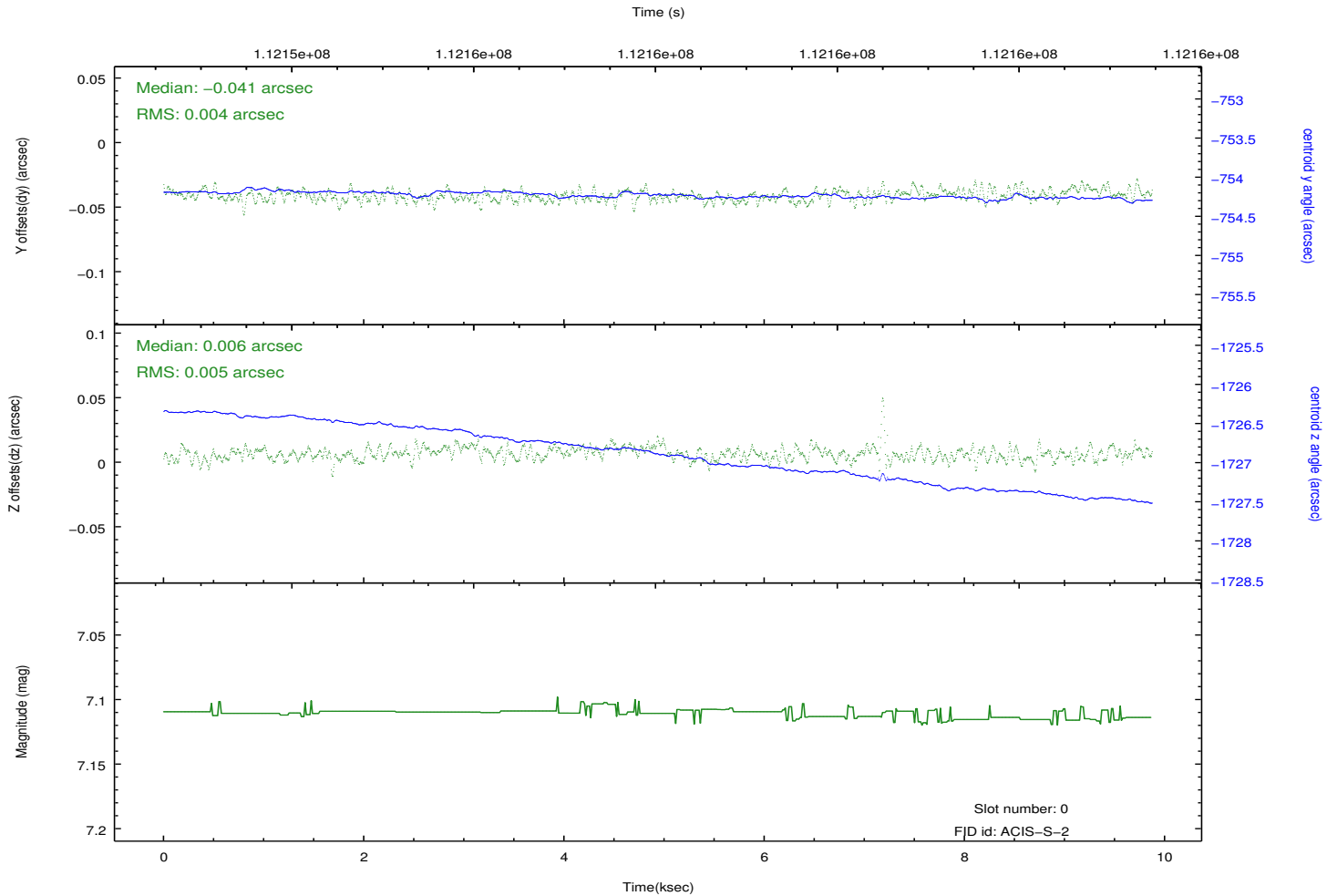
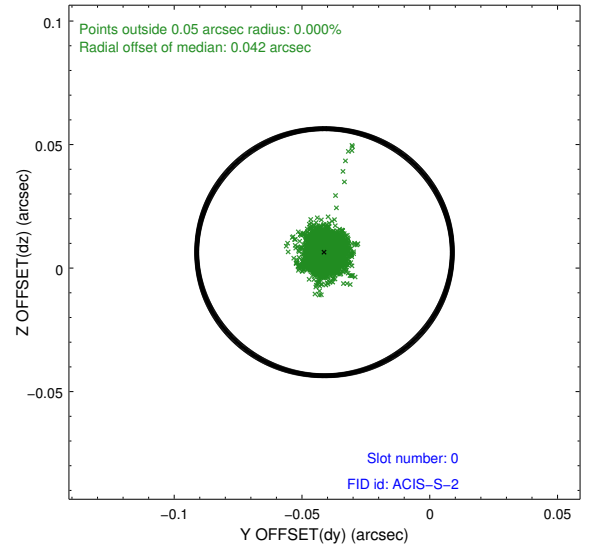
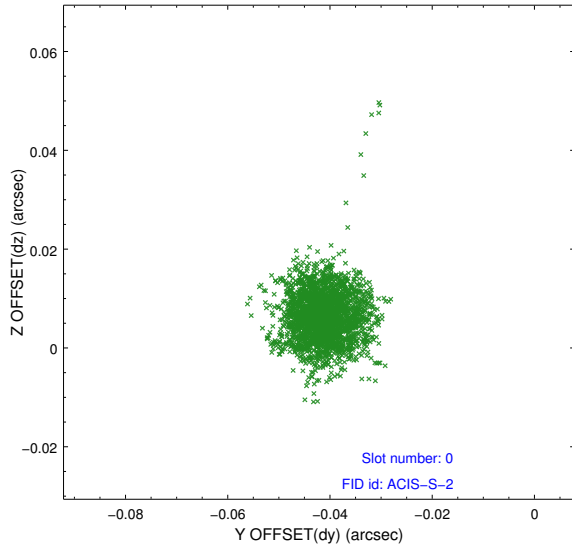


2.4.5 Slot 7

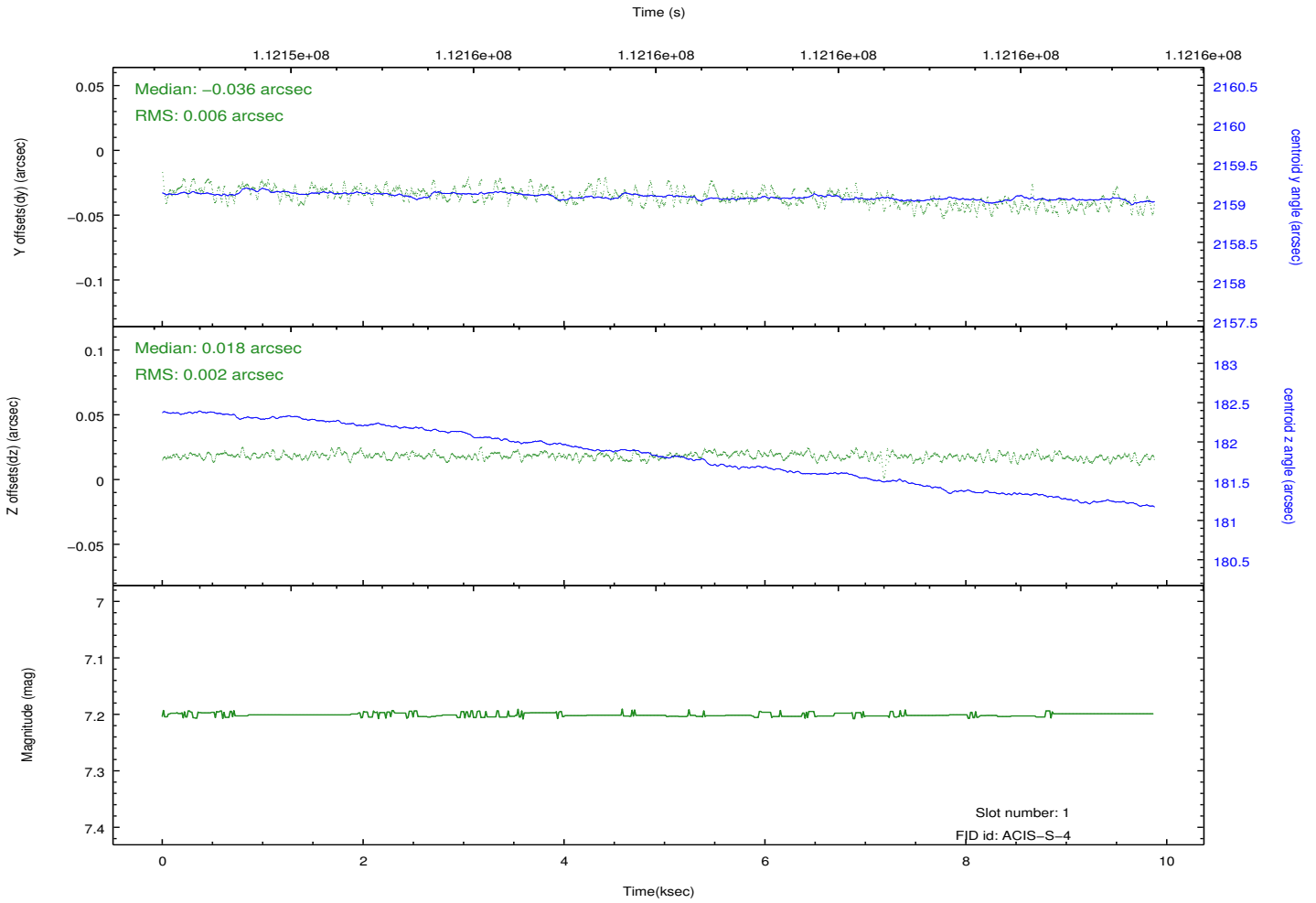
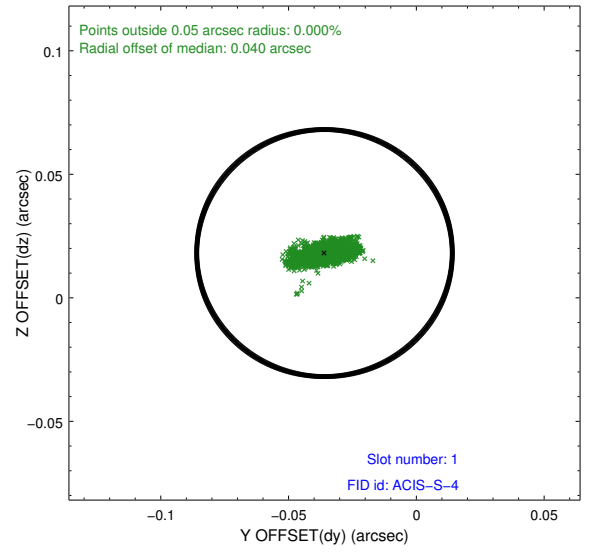
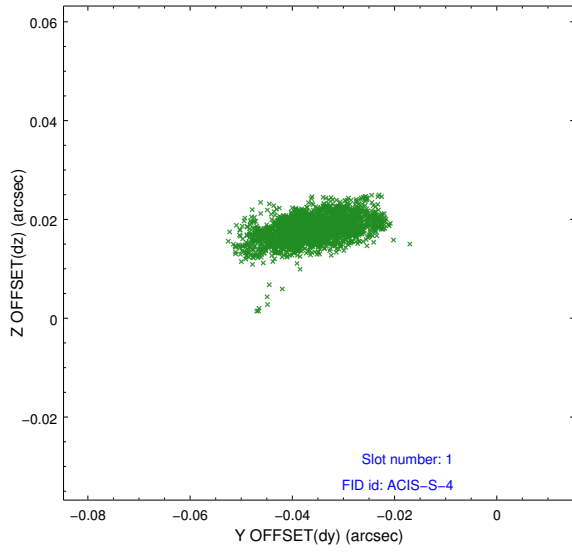


2.5 FID Slots

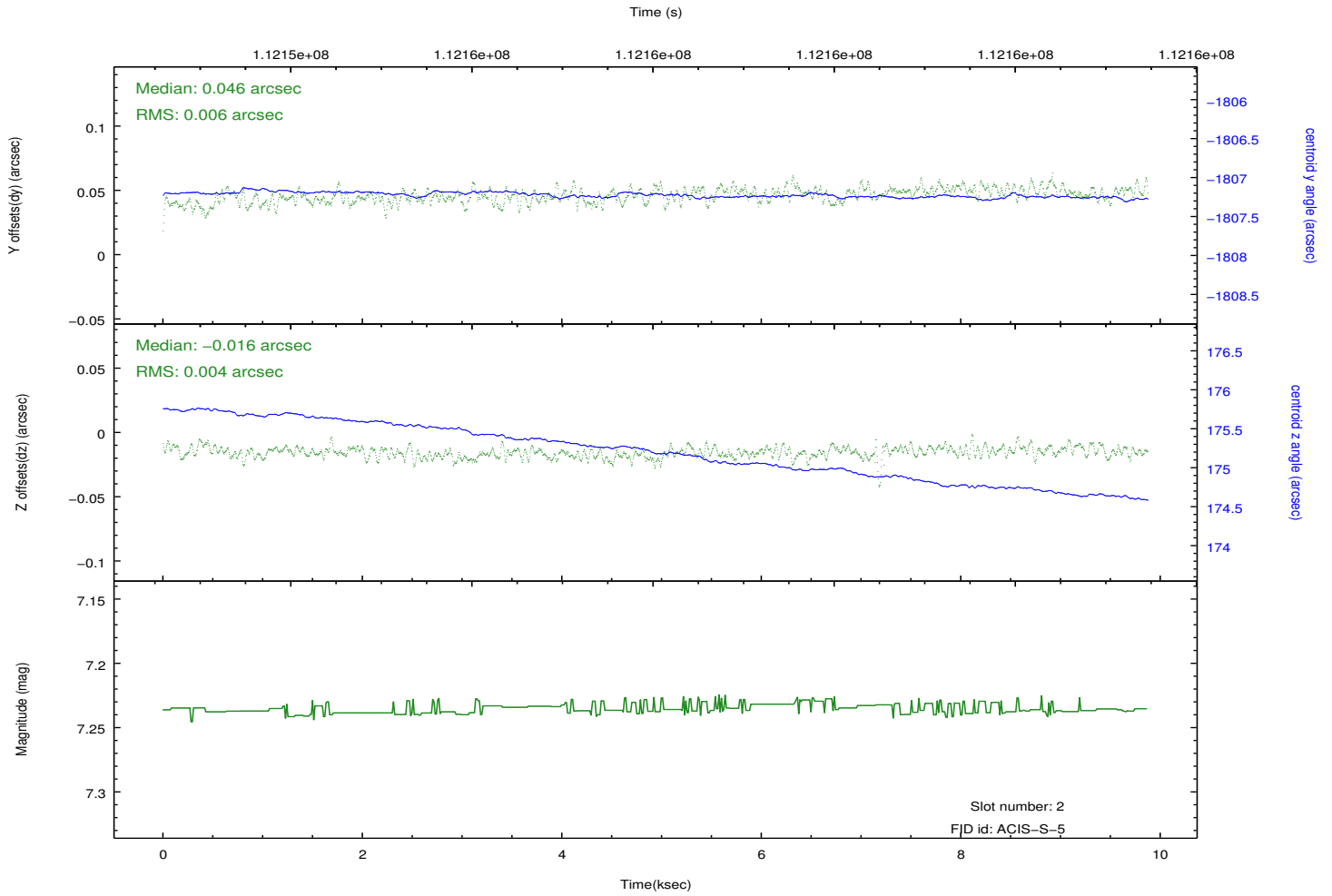
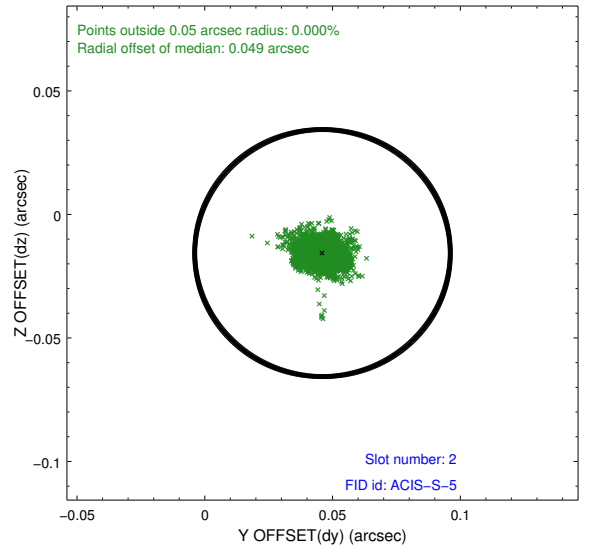
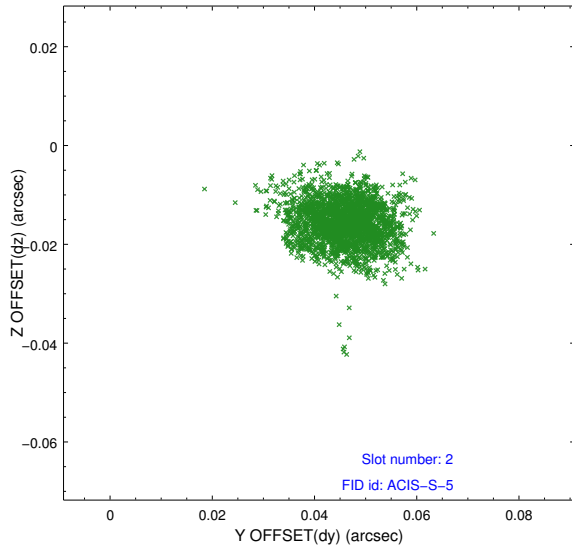
2.5.1 Slot 0



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)	2012.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.55

A.2 Comments

Roll preference met.