

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13894 - L2 Version 2
Chandra X-Ray Center

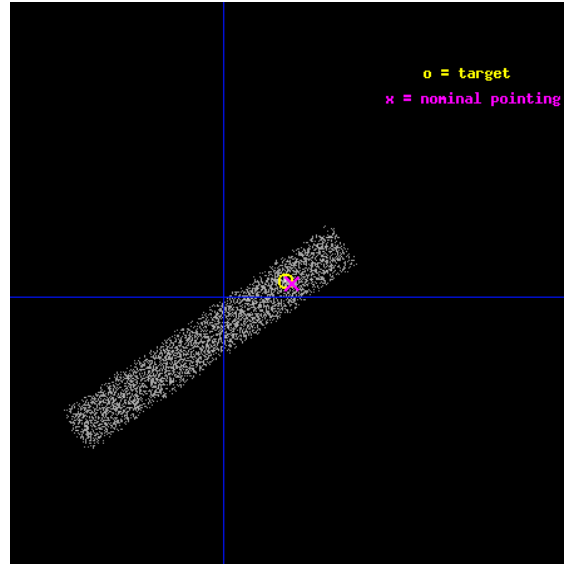
L2 Processing Date : May 9 2012

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1 Front

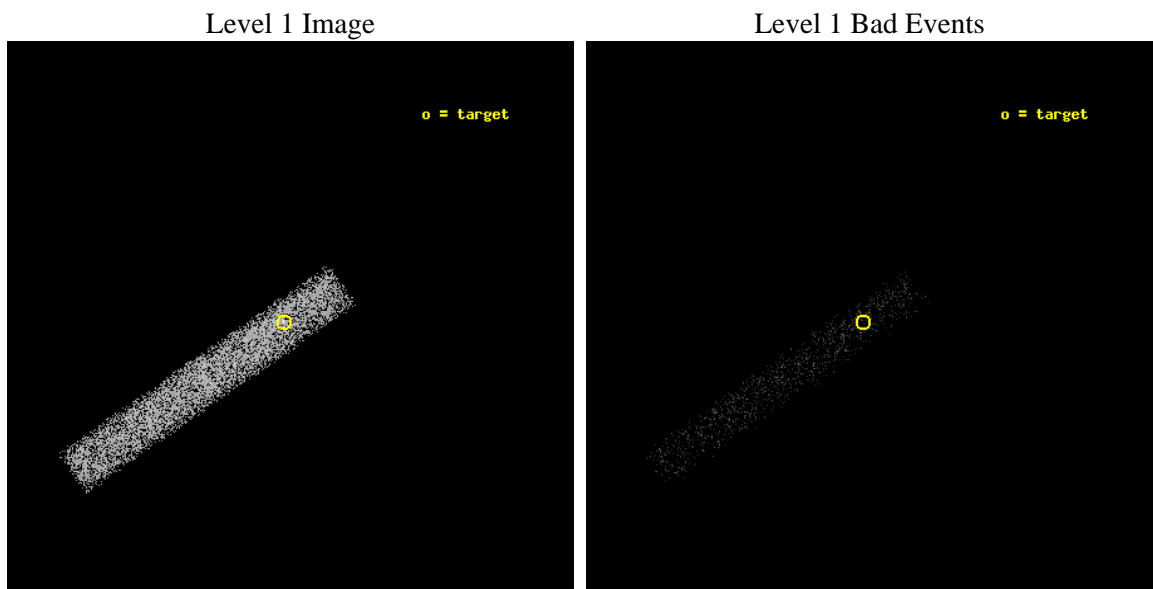
seq_num	702619	Sequence number
obs_id	13894	Observation id
title	CHANDRA SURVEY OF DUAL ACTIVATION IN HARD X-RAY SELECTED MERGING AGN HOSTS	Proposal title
observer	Dr. Richard Mushotzky	Principal investigator
object	ESO 244-IG 030	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	22.463333	Observer's specified target RA [deg]
dec_targ	-42.326472	Observer's specified target Dec [deg]
ra_nom	22.459601875576	Nominal RA [deg]
dec_nom	-42.327623536733	Nominal Dec [deg]
roll_nom	145.3334876474	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10069.937121451	Sum of GTIs [s]
livetime	9132.9014342925	Livetime [s]
ontime7	10069.937121451	Sum of GTIs [s]
l2events	5347	Number of level 2 events



2 OBI

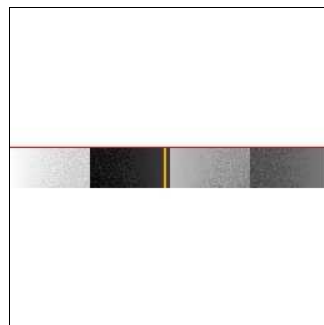
2.1 OBI

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	8.4.4	Processing system revision	ontime	10069.937121451	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	10069.937121451	Sum of GTIs [s]
date	2012-05-09T13:58:16	Date and time of file creation	l1events	11103	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

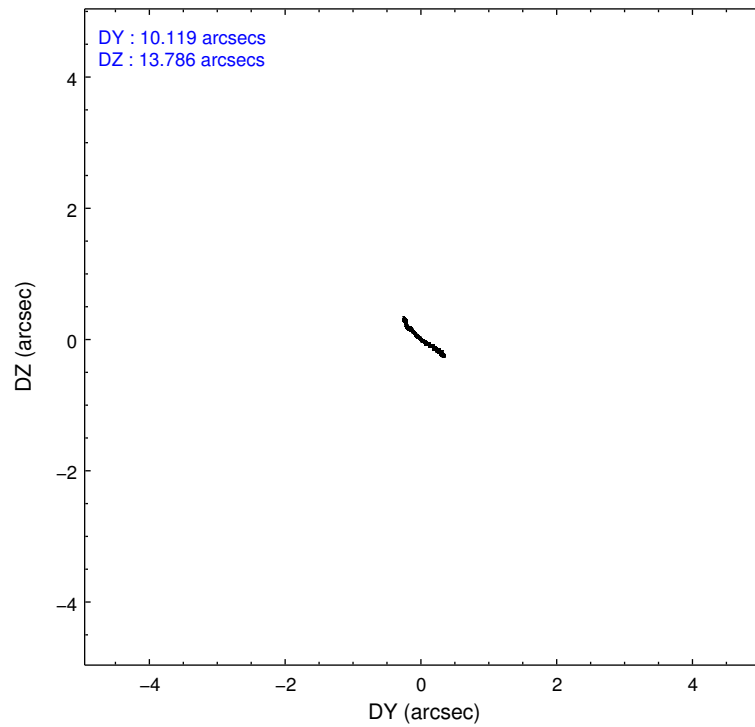
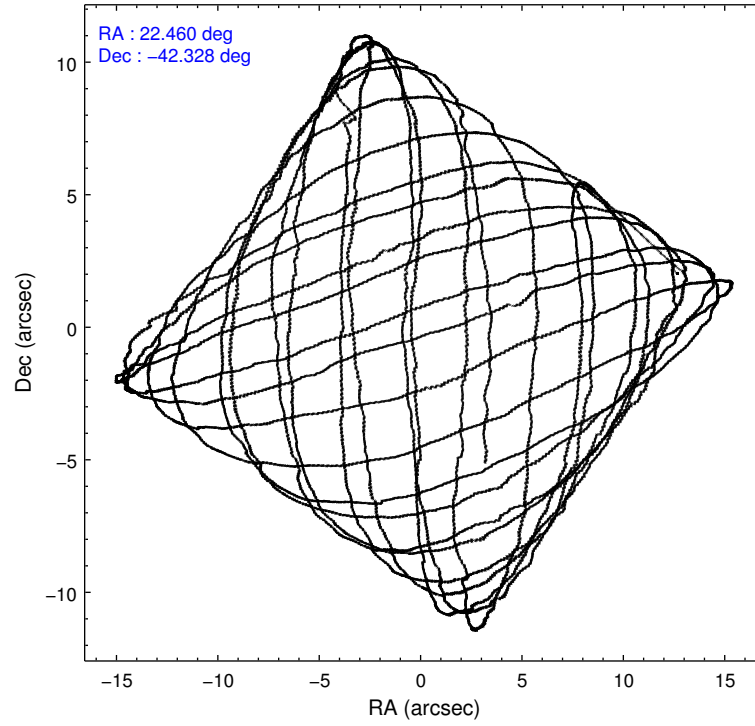
	ccd 7
level 1 events	11103
rejected events	5520
rejected %	49%

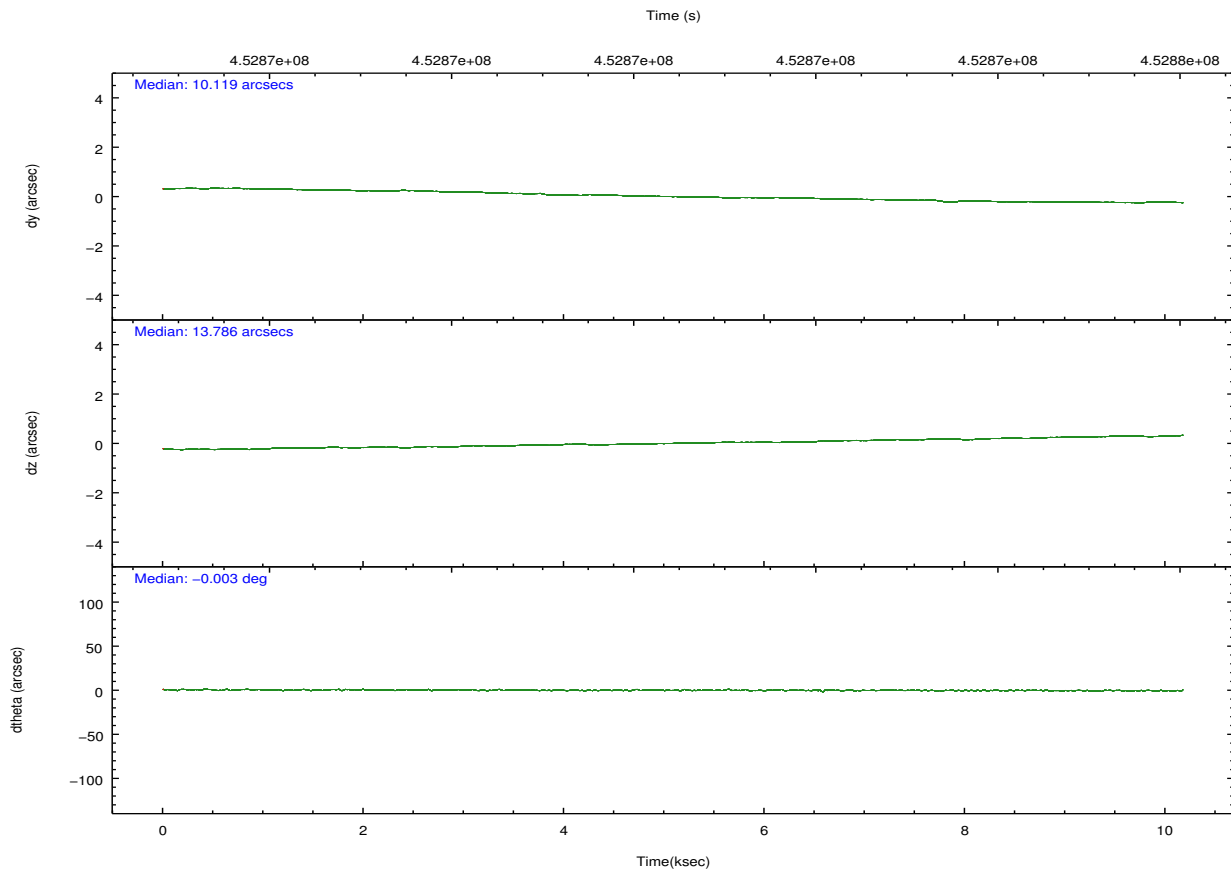
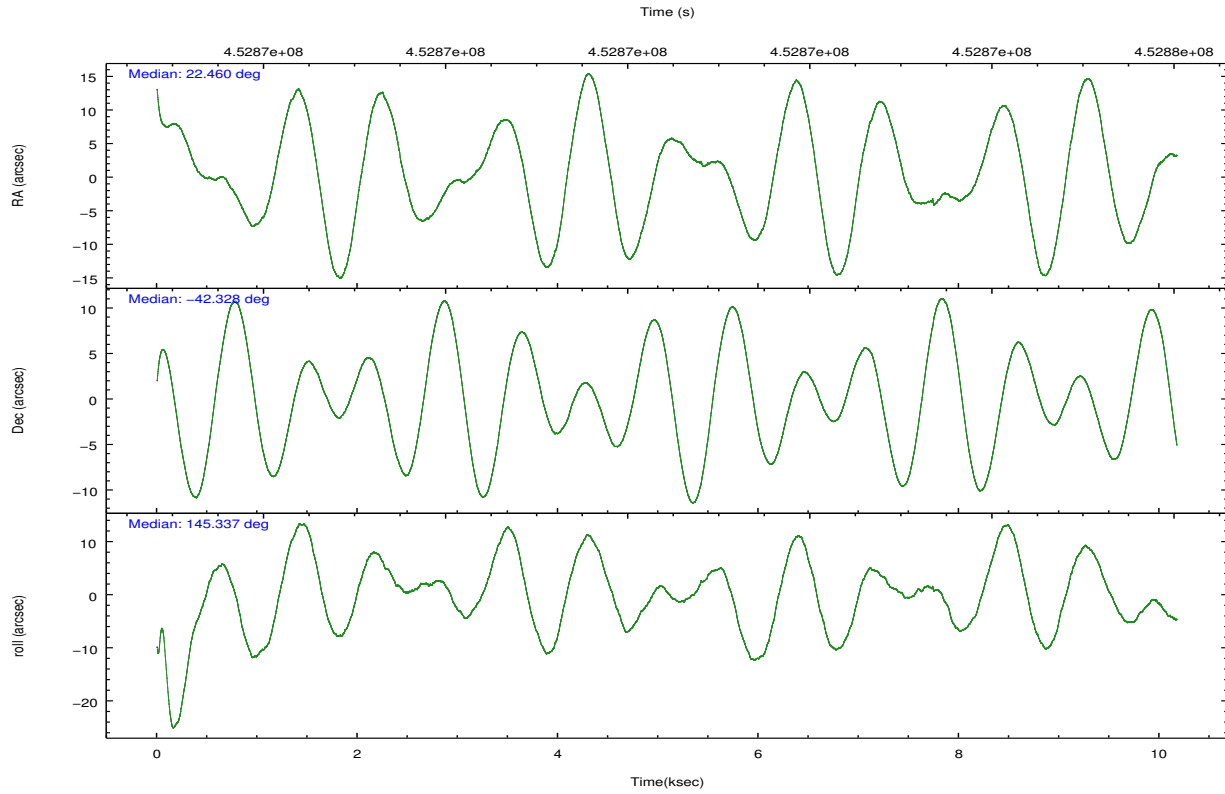
	ccd 7
grade 0 events	586
	5%
grade 1 events	13
	0%
grade 2 events	1042
	9%
grade 3 events	785
	7%
grade 4 events	750
	6%
grade 5 events	1194
	10%
grade 6 events	2420
	21%
grade 7 events	4313
	38%

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	22.496456	22.45960187557614	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-42.329488	-42.32762353673326	Subarray start row	449	449
[deg] Pointing Roll	145.201668	145.333487647401	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)	452865525.184000	452864412.13387			
Observation start date	2012-05-08T11:57:39	2012-05-08T11:40:12			
[s] Observation end time (MET)	452875525.184000	452876155.04699			
Observation end date	2012-05-08T14:44:19	2012-05-08T14:55:55			
Read mode	TIMED	TIMED			

2.3 Aspect





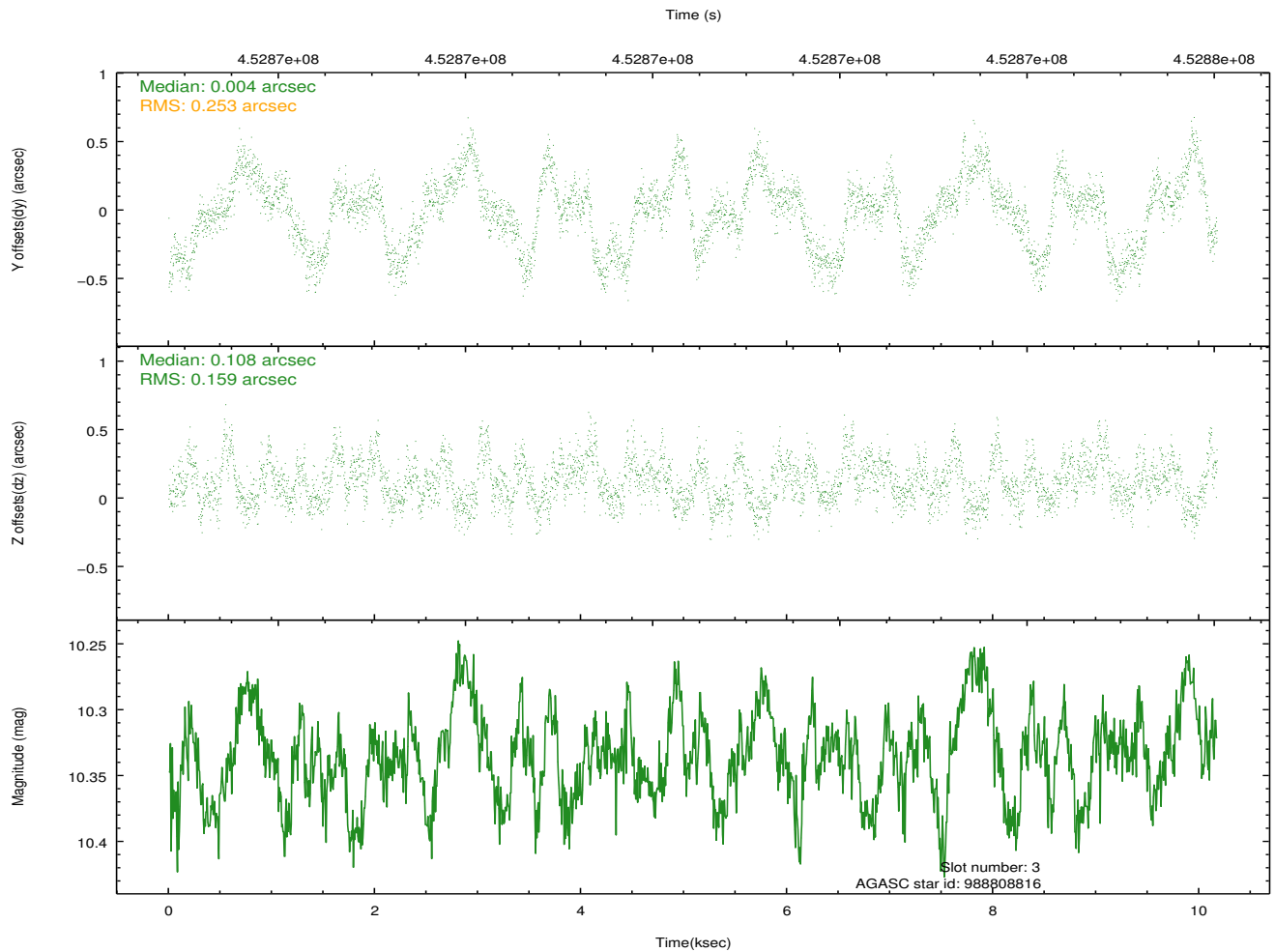
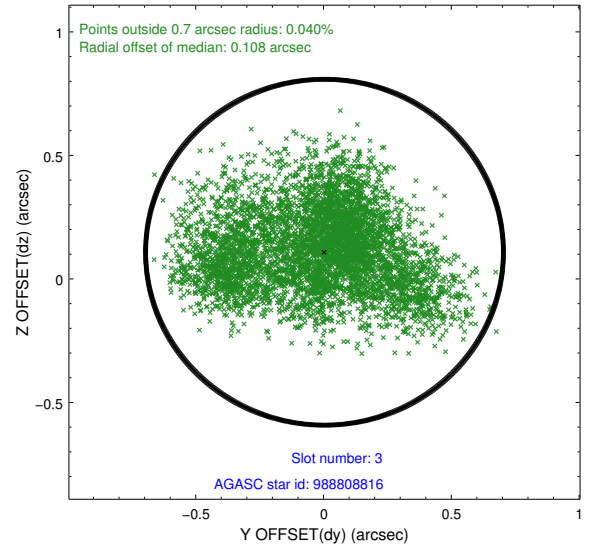
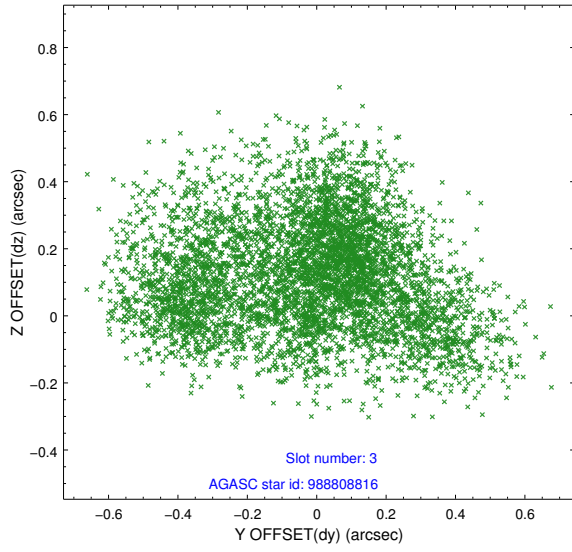
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	2482	-0.050	-0.034	0.006	0.010	0.000000	0.000000	-763.06	-1735.16
1	FID	ACIS-S-4	7.01	2482	0.177	0.033	0.007	0.014	0.000000	0.000000	2150.24	172.80
2	FID	ACIS-S-5	7.04	2481	-0.158	0.010	0.008	0.013	0.000000	0.000000	-1815.31	167.10
3	GUIDE	988808816	10.34	4956	0.004	0.108	0.329	0.512	22.952002	-41.901396	-124.03	-1958.82
4	GUIDE	988809248	9.64	4956	0.164	-0.053	0.119	0.203	23.247633	-42.231338	-1447.24	-1425.37
5	GUIDE	988810472	8.82	4963	-0.217	0.044	0.152	0.244	22.326748	-41.832381	1395.09	-1209.22
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	988814824	9.94	4955	0.078	-0.114	0.213	0.347	22.317497	-41.446711	2210.59	-2333.38

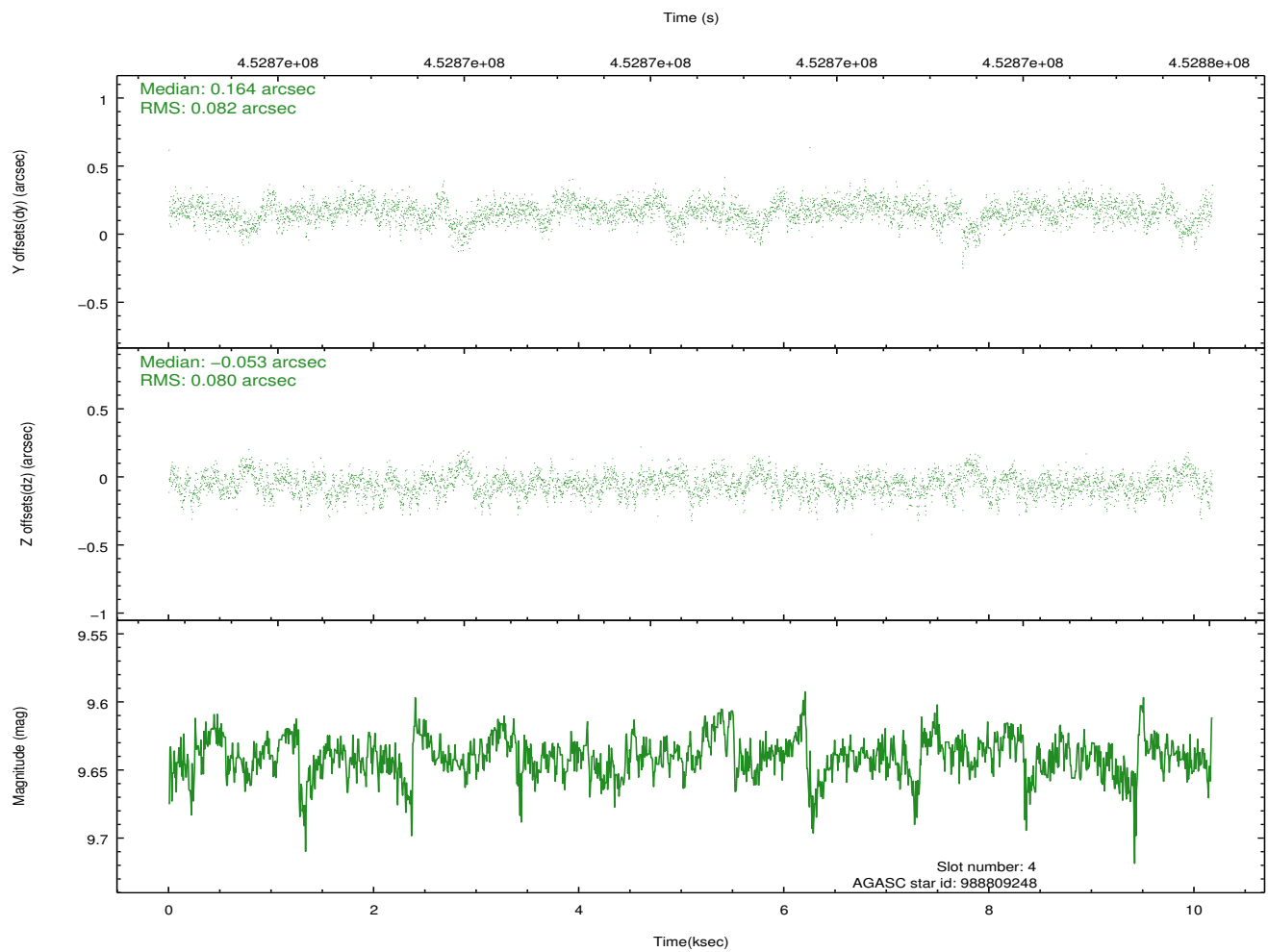
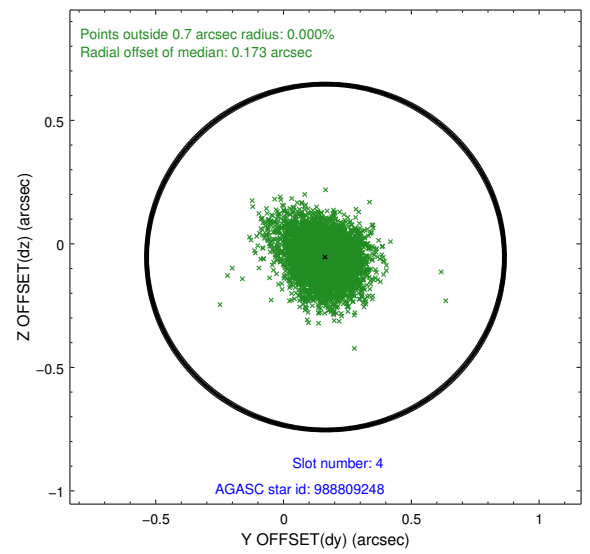
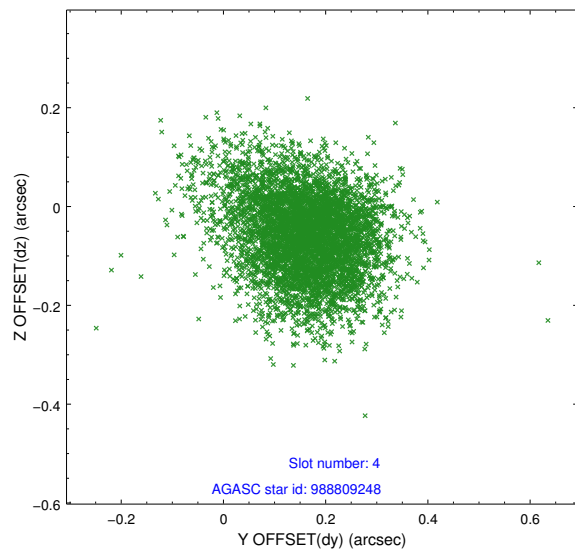
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2.4 Star Slots

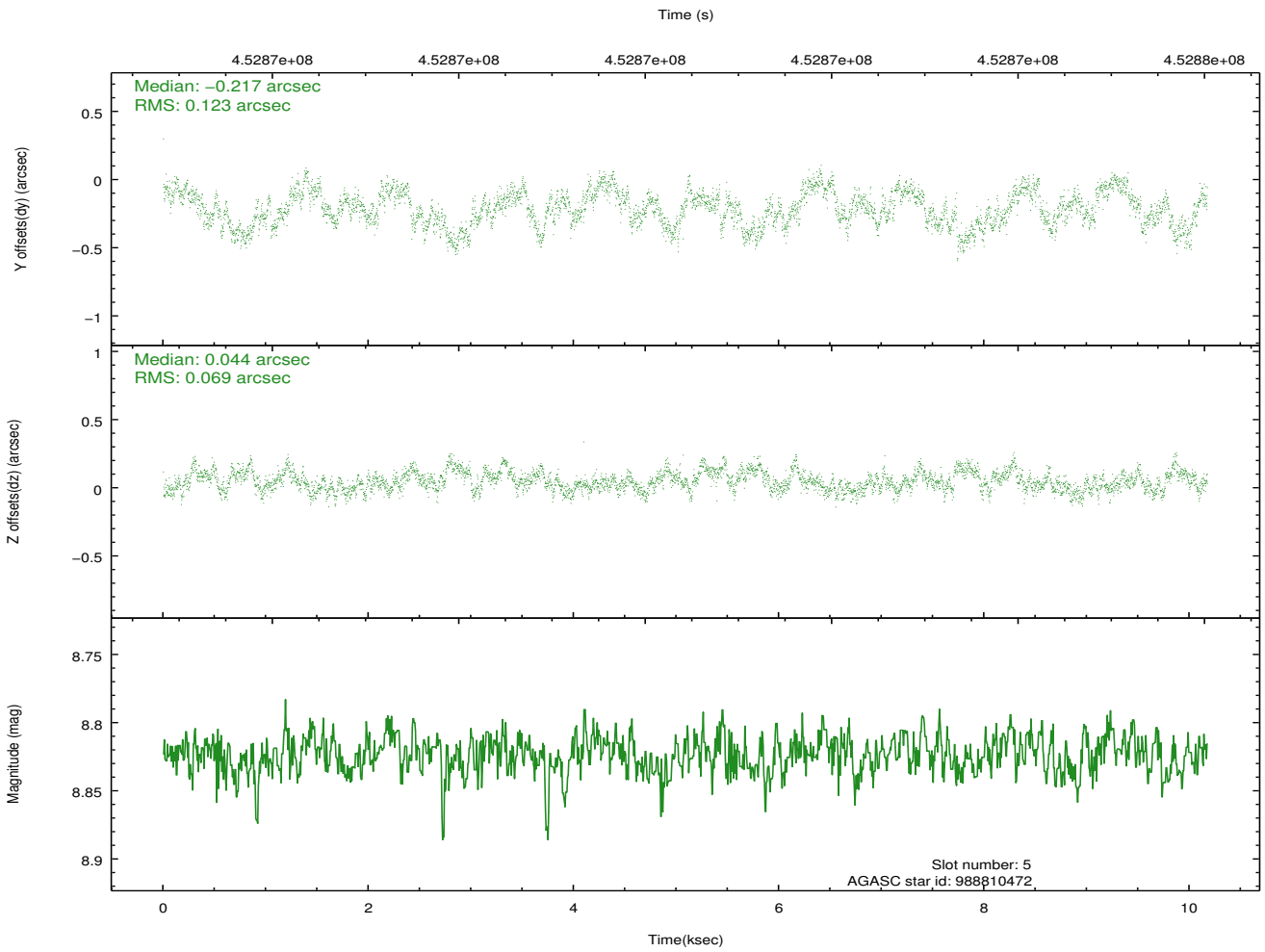
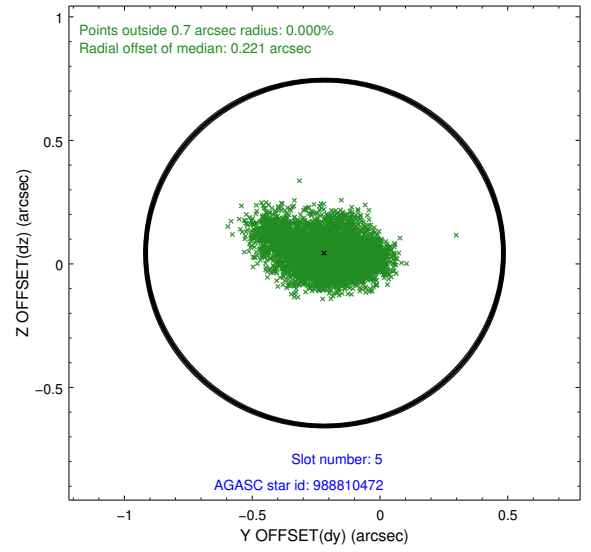
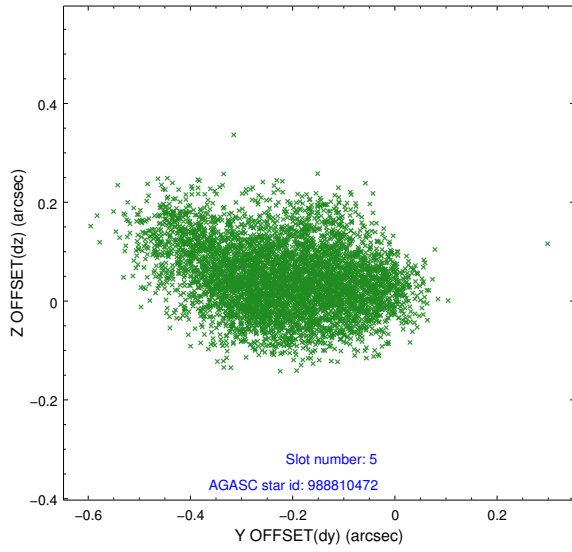
2.4.1 Slot 3



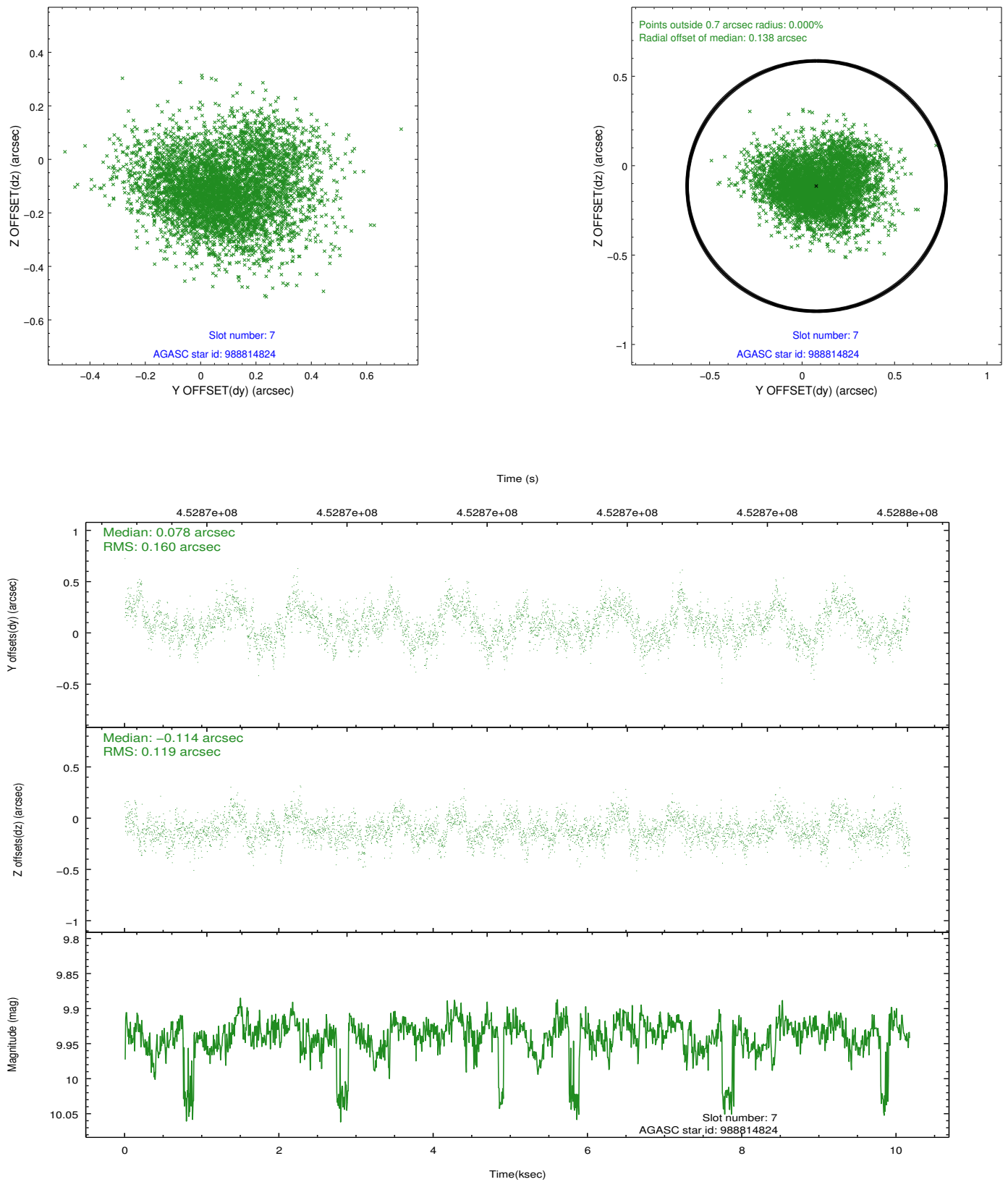
2.4.2 Slot 4



2.4.3 Slot 5

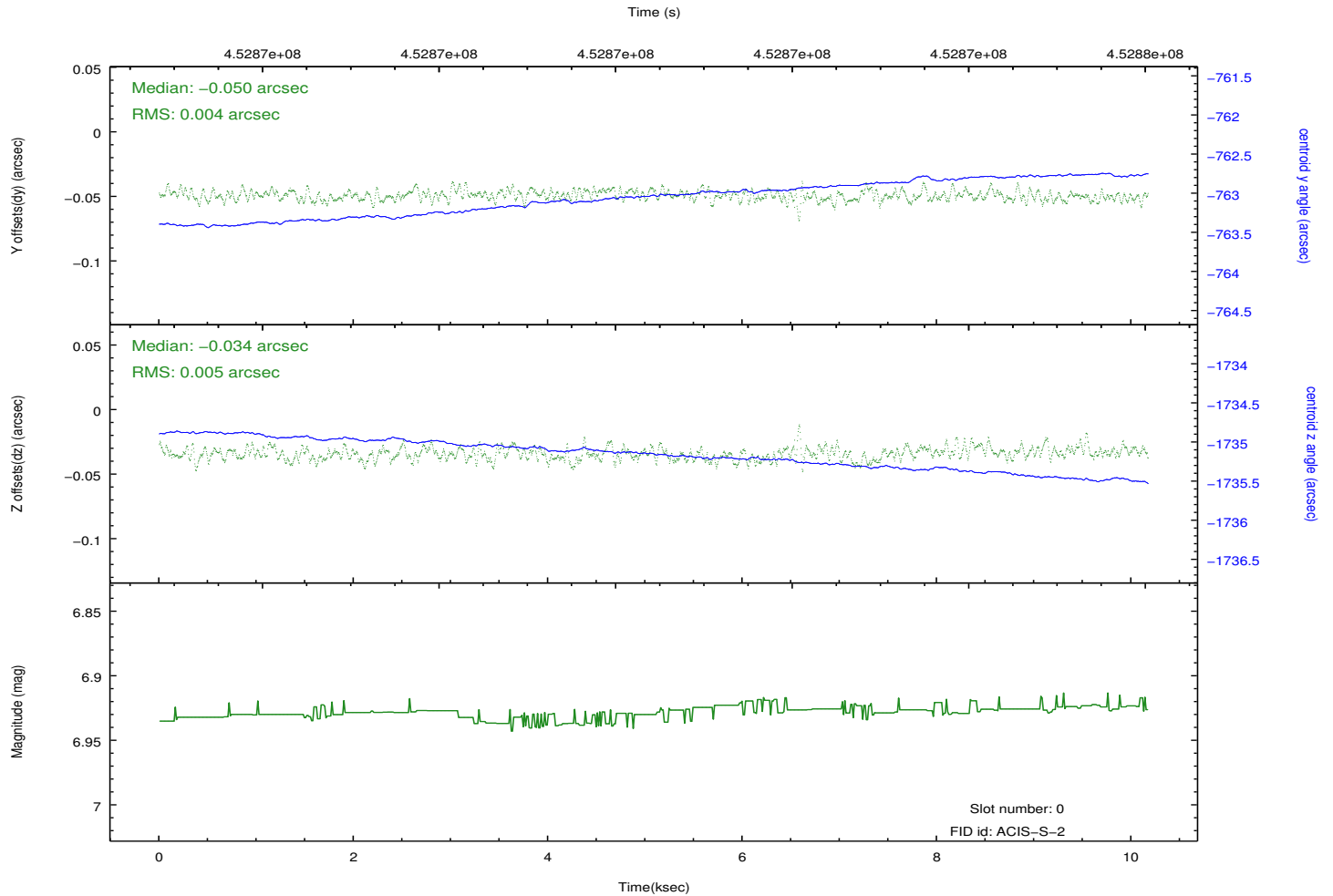
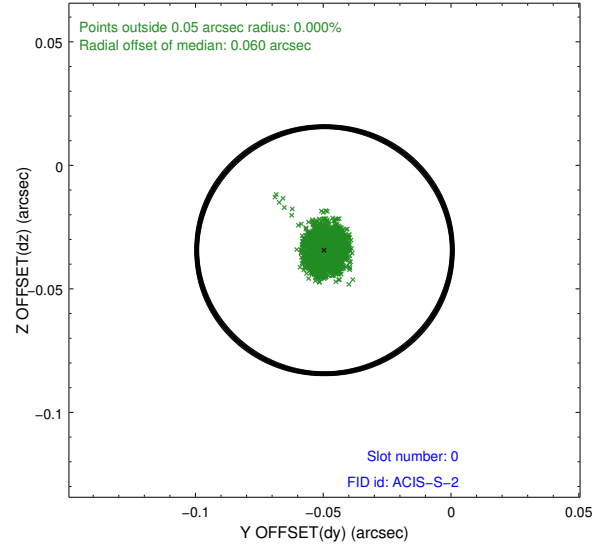
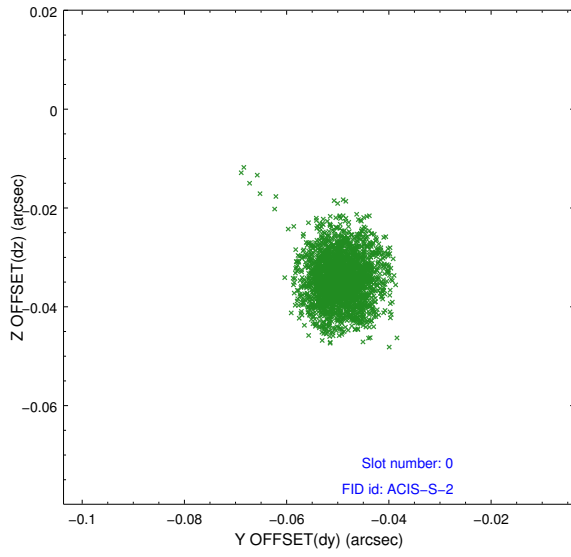


2.4.4 Slot 7

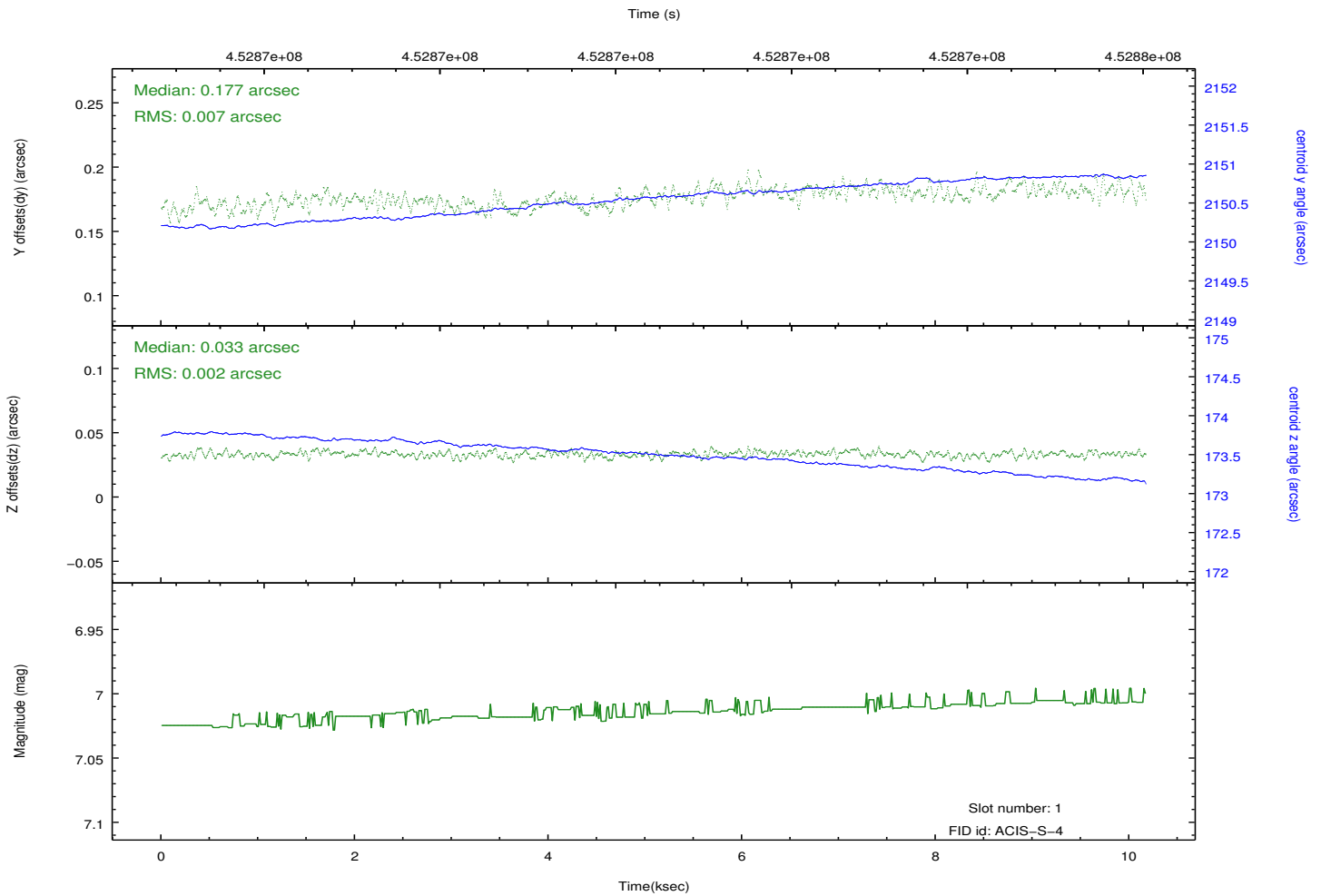
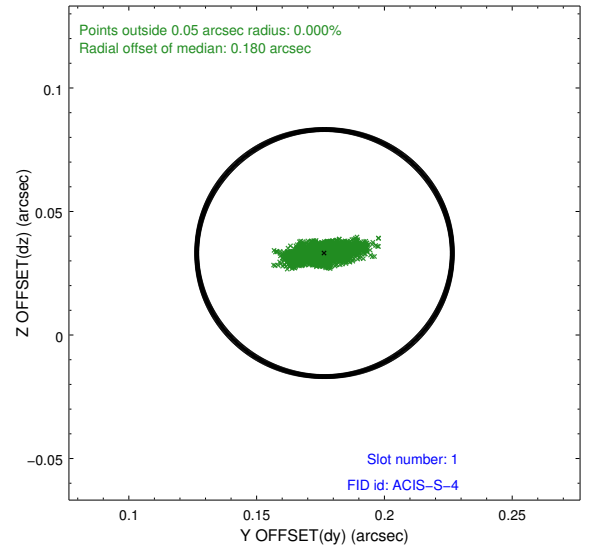
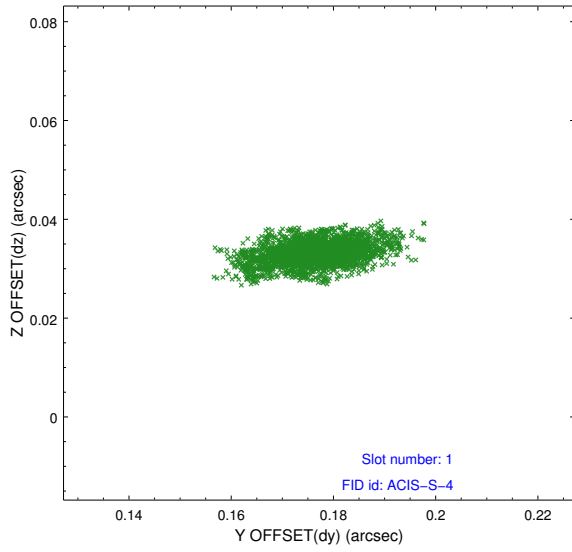


2.5 FID Slots

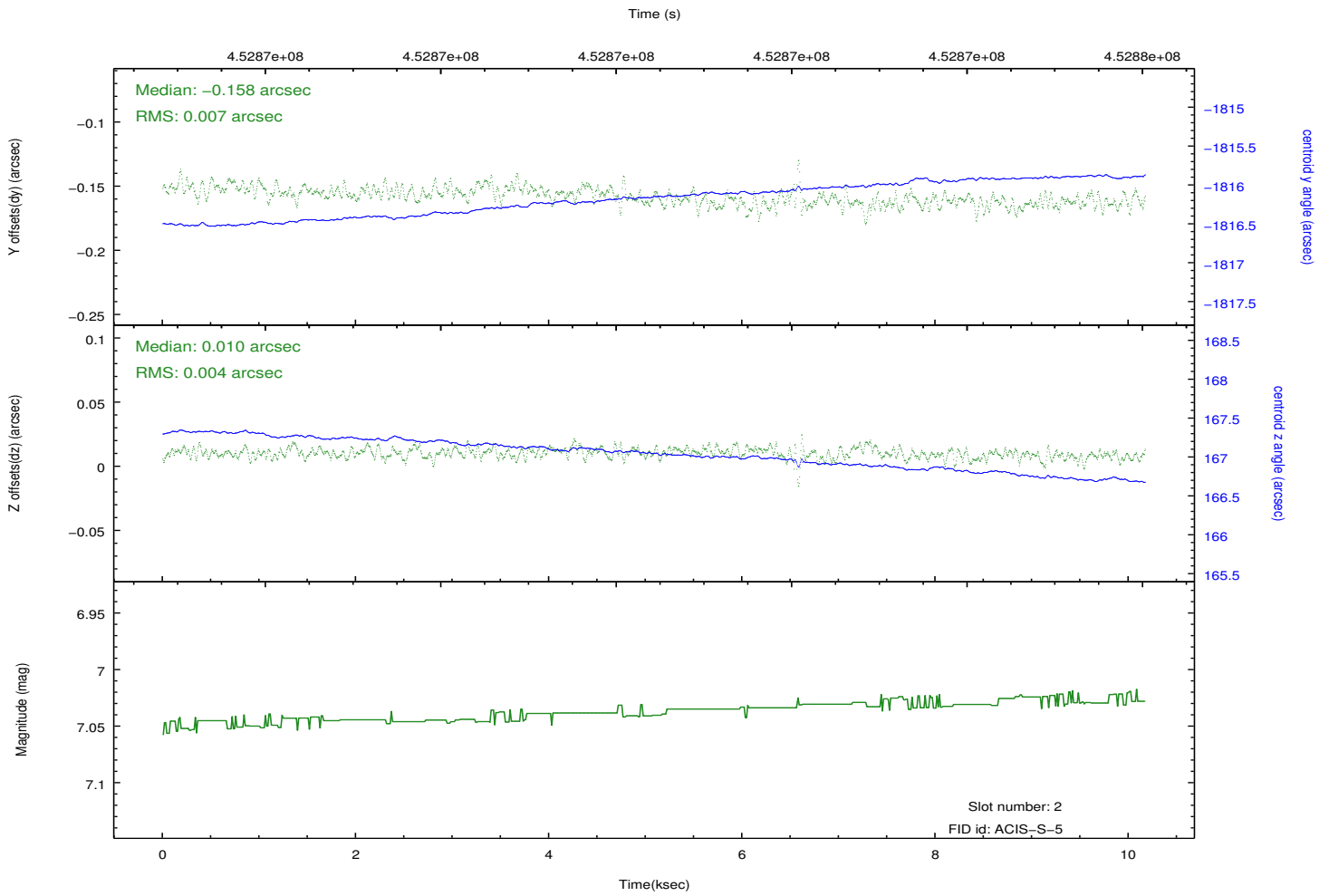
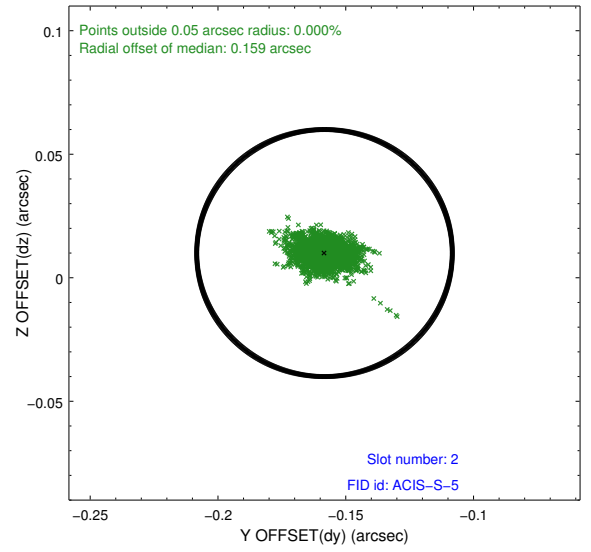
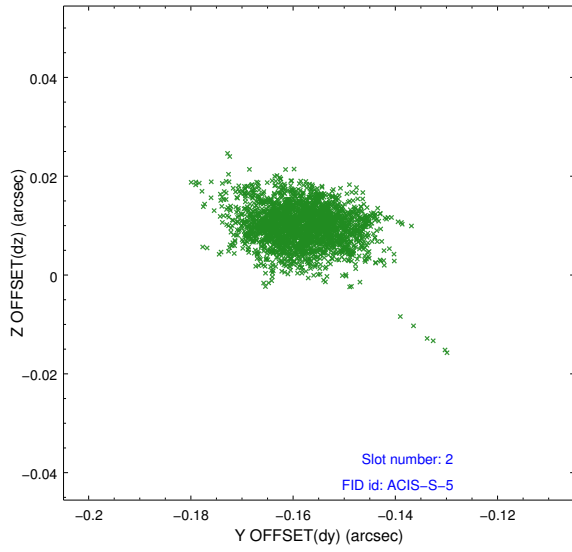
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.069937121451

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.