

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1987 - L2 Version 3
Chandra X-Ray Center

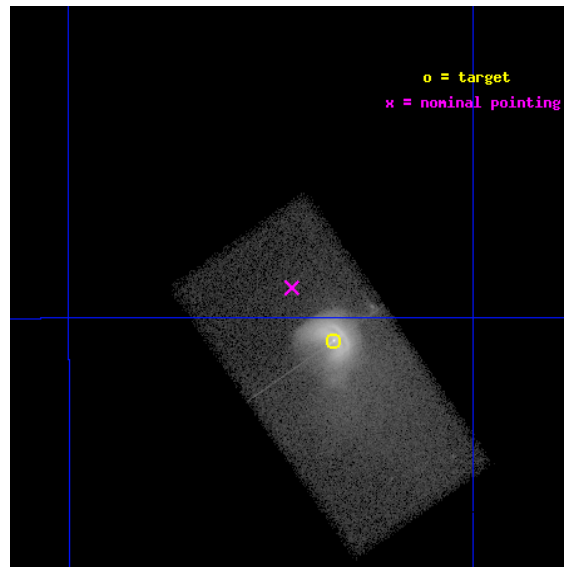
L2 Processing Date : Sep 4 2012

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1 Front

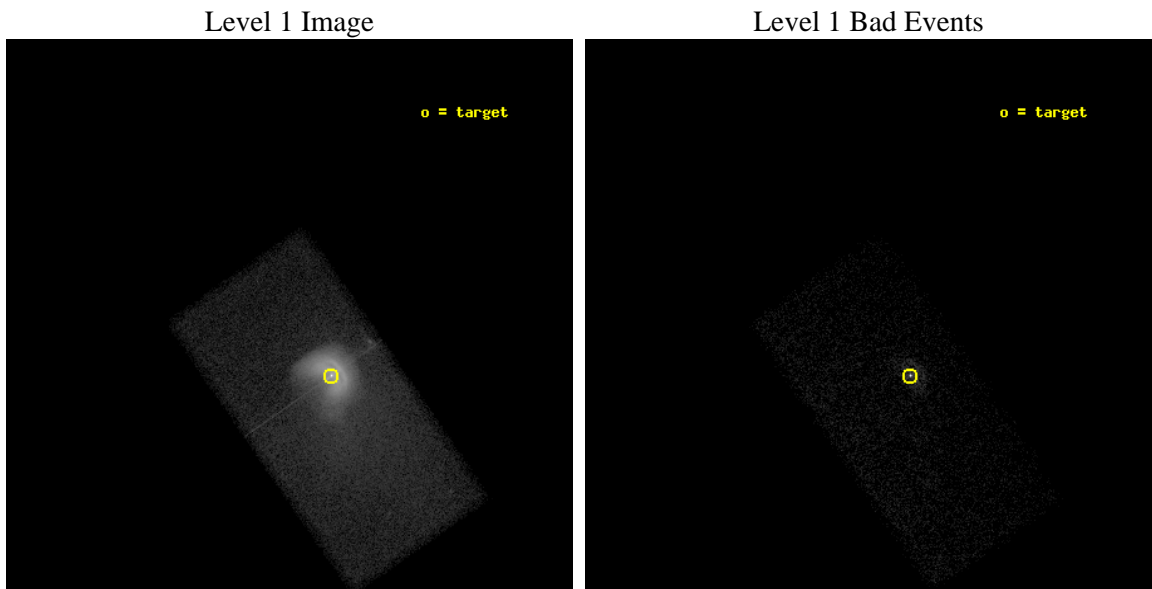
seq_num	500164	Sequence number
obs_id	1987	Observation id
title	VELA PULSAR: THE HUNT FOR POST-GLITCH EFFECTS	Proposal title
observer	Dr. George Pavlov	Principal investigator
object	VELA PULSAR	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	128.83625	Observer's specified target RA [deg]
dec_targ	-45.176667	Observer's specified target Dec [deg]
ra_nom	128.86201561764	Nominal RA [deg]
dec_nom	-45.153739497006	Nominal Dec [deg]
roll_nom	55.232755903487	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19366.459009841	Sum of GTIs [s]
livetime	18850.703755101	Livetime [s]
ontime7	19366.459009841	Sum of GTIs [s]
l2events	322663	Number of level 2 events



2 OBI

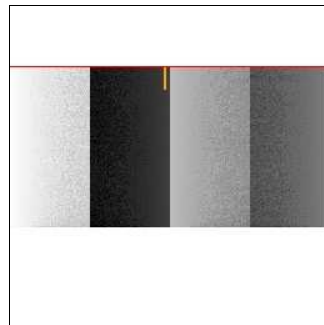
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	19200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19366.459009841	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime7	19366.459009841	Sum of GTIs [s]
date	2012-09-04T04:31:51	Date and time of file creation	l1events	384958	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

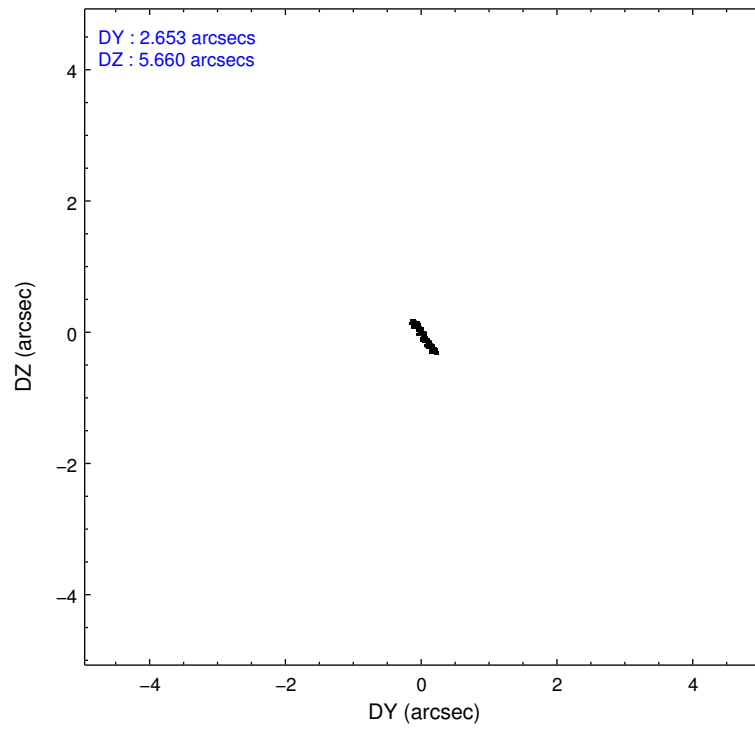
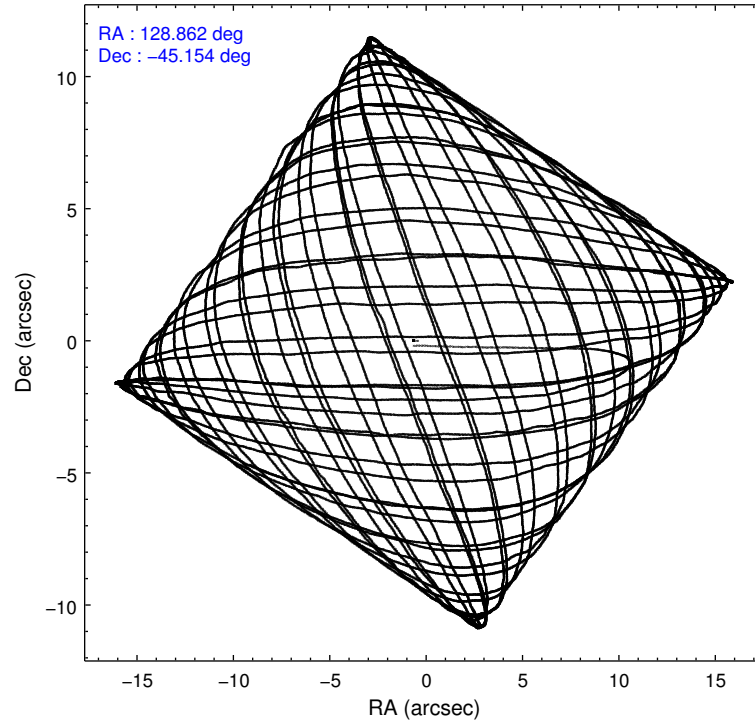
	ccd 7
level 1 events	384958
rejected events	57408
rejected %	14%

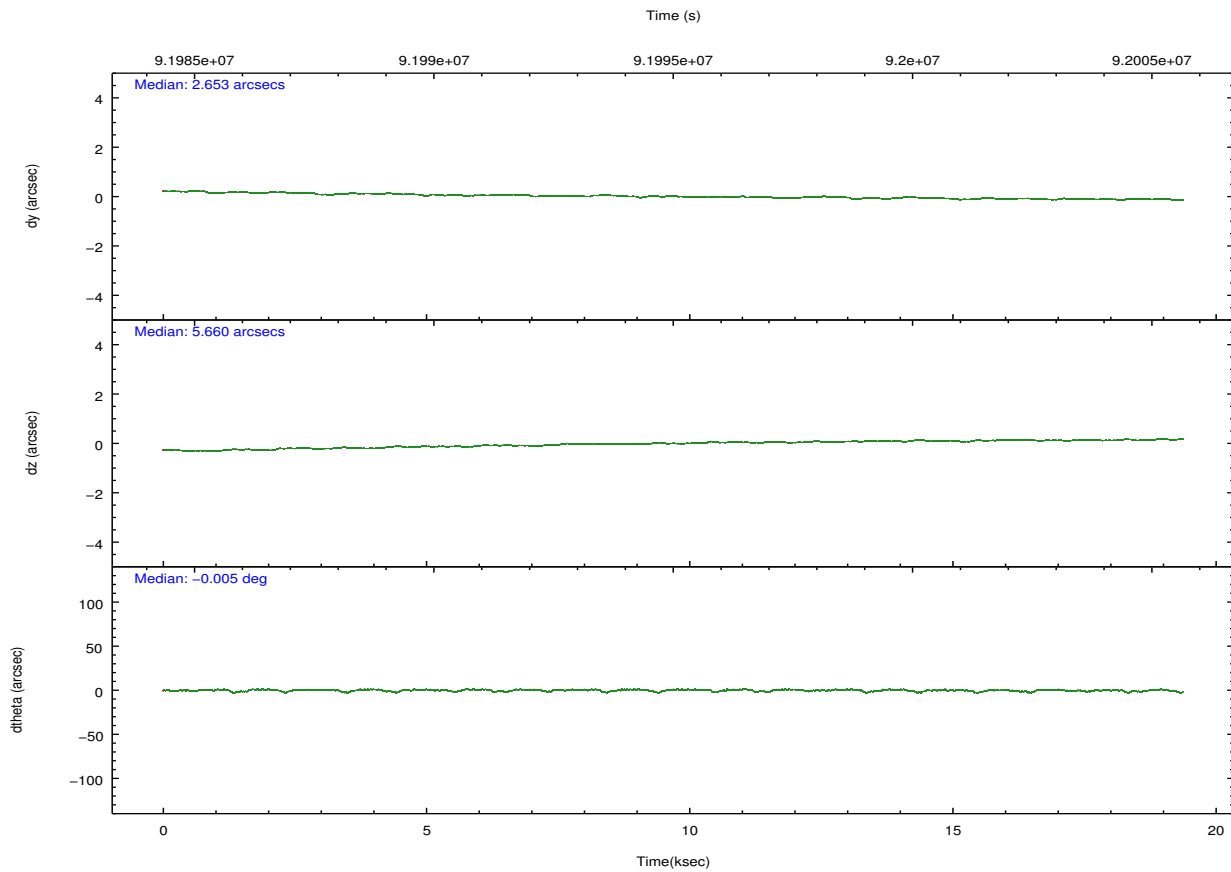
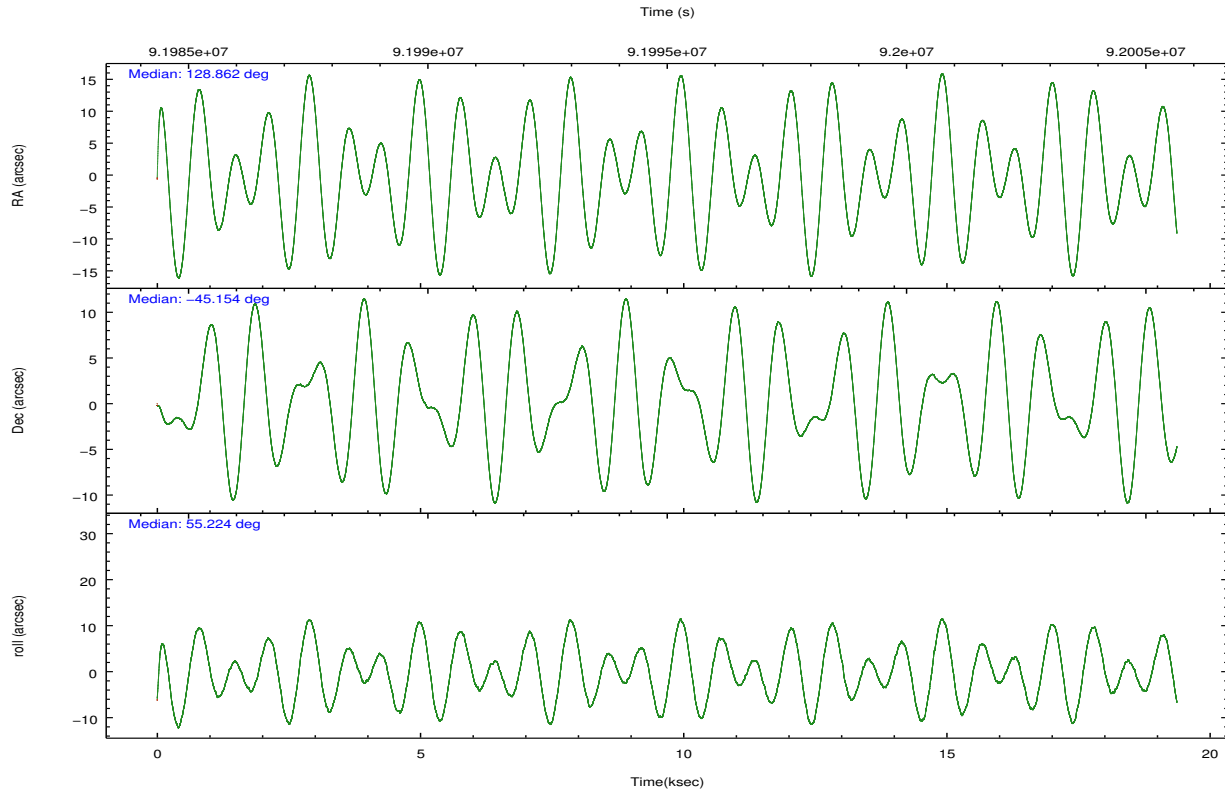
	ccd 7
grade 0 events	109413
	28%
grade 1 events	879
	0%
grade 2 events	81725
	21%
grade 3 events	36537
	9%
grade 4 events	36624
	9%
grade 5 events	10609
	2%
grade 6 events	67196
	17%
grade 7 events	41975
	10%

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	128.859078	128.8620156176414	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-45.180993	-45.15373949700607	Subarray start row	320	320
[deg] Pointing Roll	55.074050	55.23275590348689	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	91985481.184000	91984411.835145			
Observation start date	2000-11-30T15:30:17	2000-11-30T15:13:31			
[s] Observation end time (MET)	92004681.184000	92005356.685945			
Observation end date	2000-11-30T20:50:17	2000-11-30T21:02:36			
Read mode	TIMED	TIMED			

2.3 Aspect



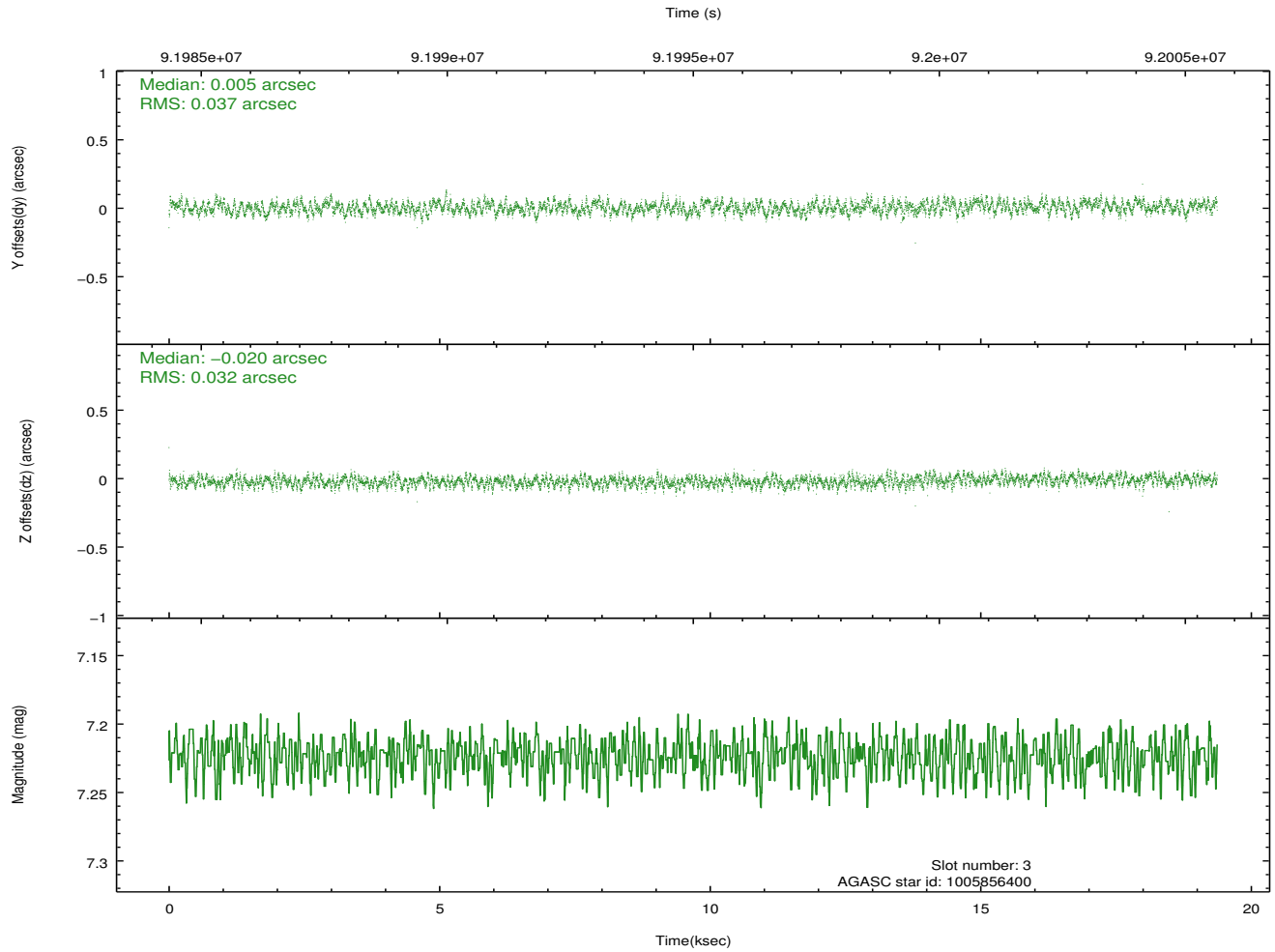
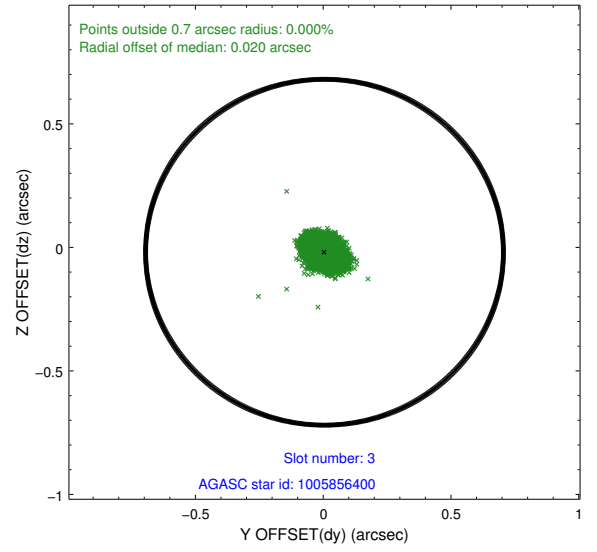
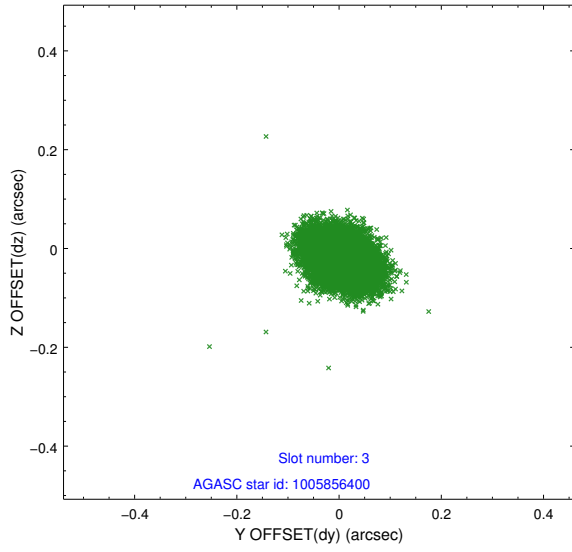


Slot Statistics

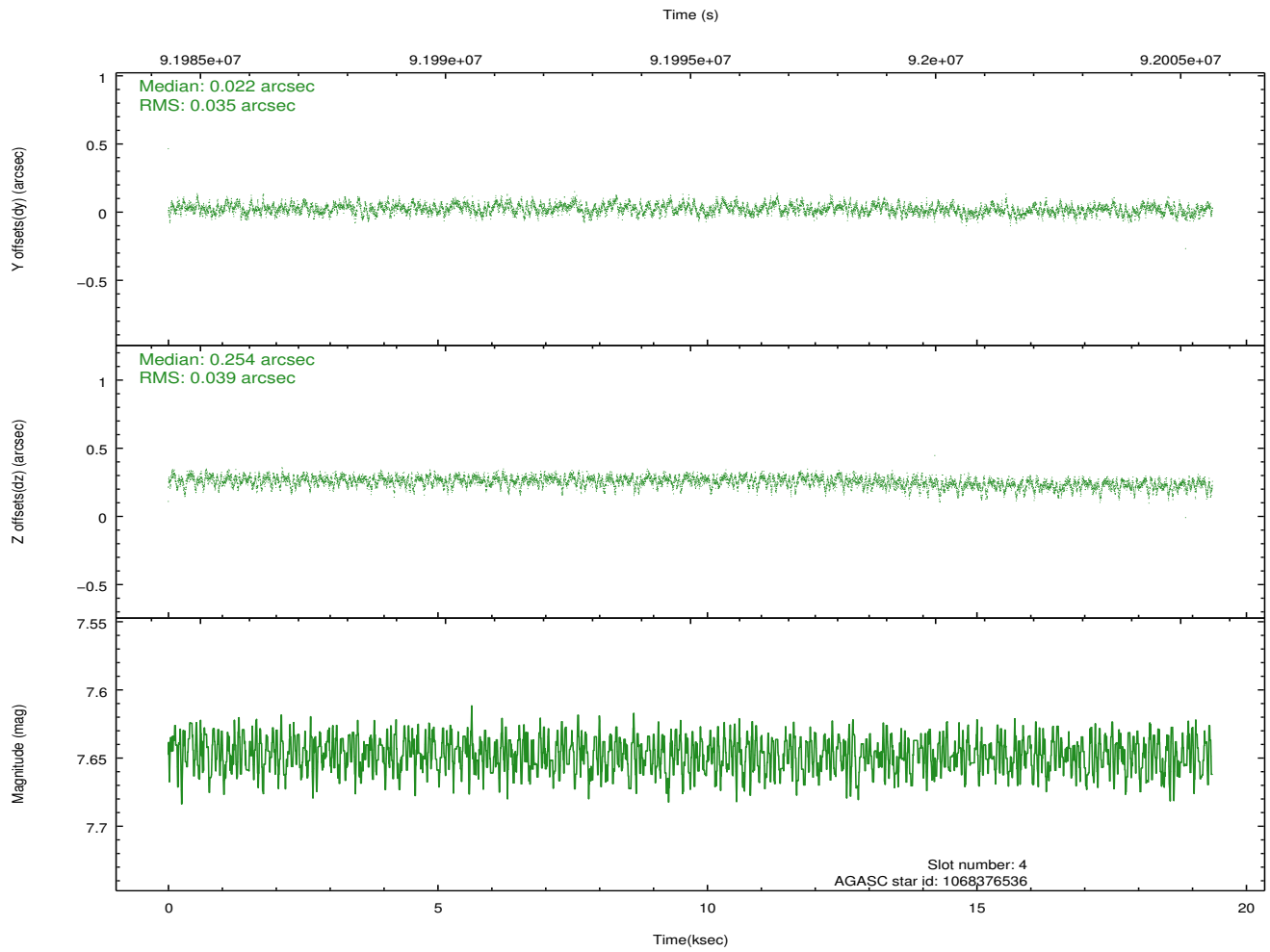
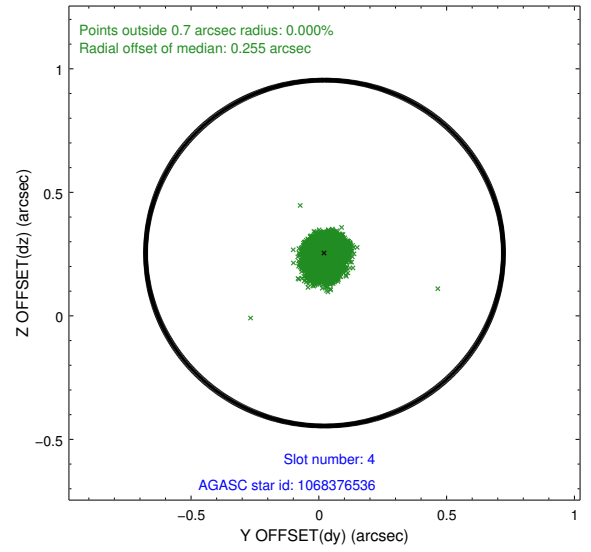
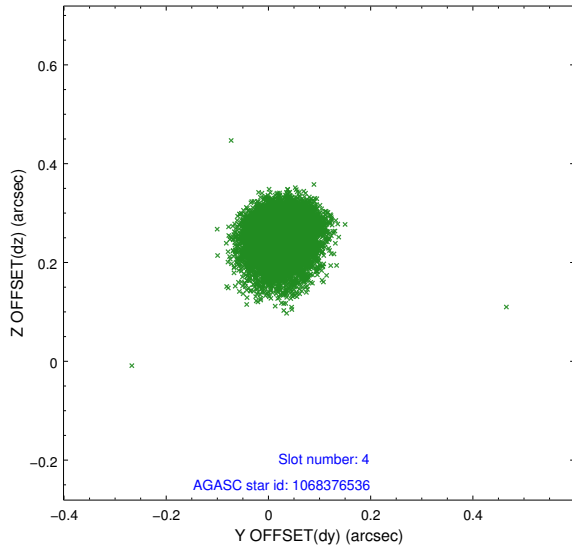
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	4720	-0.035	0.014	0.015	0.027	0.000000	0.000000	-755.30	-1726.76
1	FID	ACIS-S-4	7.21	4725	-0.010	0.013	0.020	0.042	0.000000	0.000000	2157.88	181.57
2	FID	ACIS-S-5	7.23	4725	0.015	-0.017	0.017	0.043	0.000000	0.000000	-1807.87	175.36
3	GUIDE	1005856400	7.22	9450	0.005	-0.020	0.052	0.083	128.648680	-44.270279	2376.46	2321.77
4	GUIDE	1068376536	7.65	9450	0.022	0.254	0.055	0.089	129.556408	-45.593502	-217.71	-2294.33
5	GUIDE	1005871784	8.01	9449	0.001	-0.065	0.060	0.096	128.533947	-44.544833	1398.20	1994.10
6	GUIDE	1005869048	8.22	9448	-0.124	-0.251	0.067	0.104	128.429058	-44.495949	1386.86	2315.83
7	GUIDE	1068399176	9.12	9446	0.096	0.086	0.073	0.120	129.539137	-45.338406	514.95	-1739.12

2.4 Star Slots

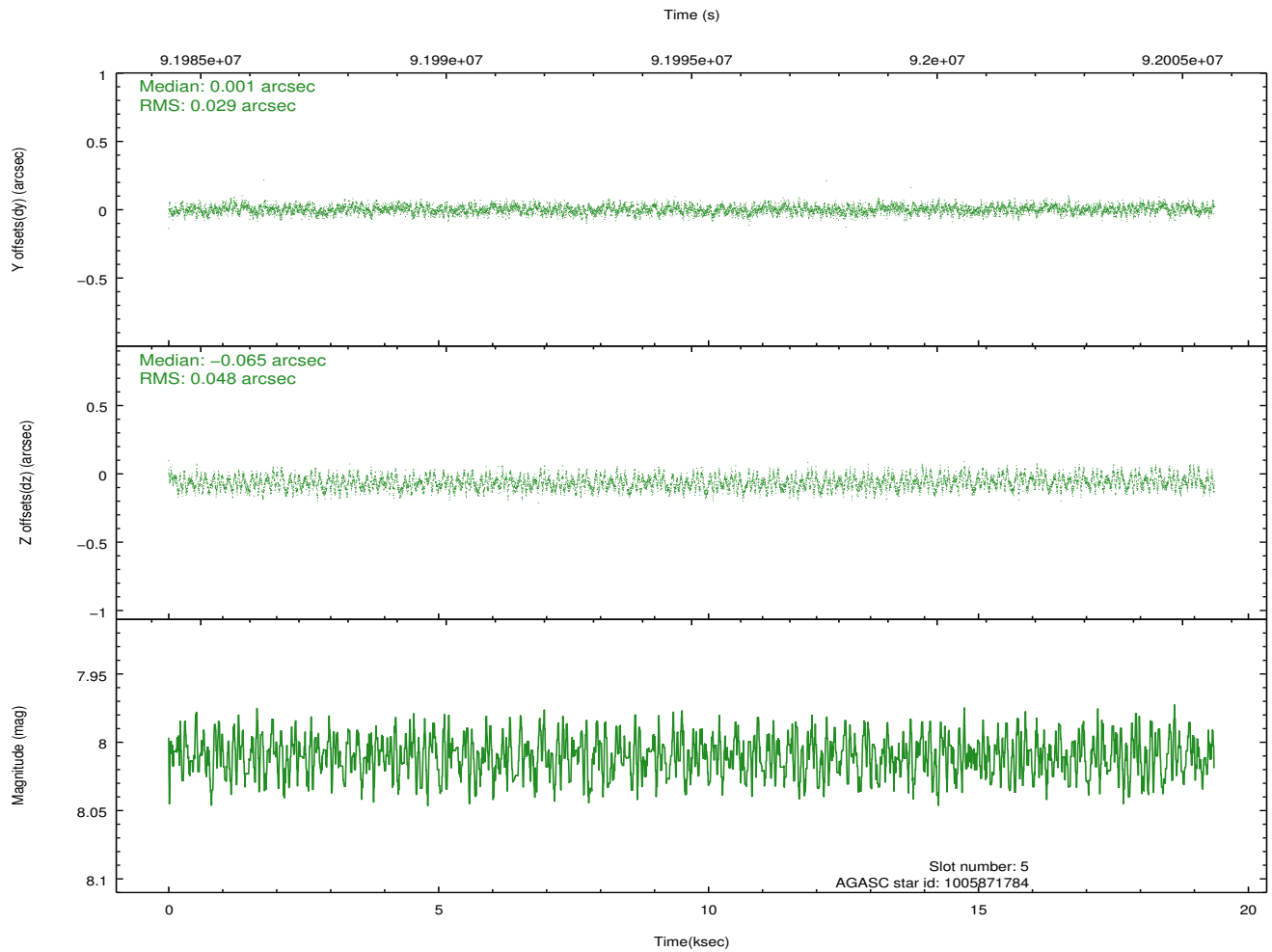
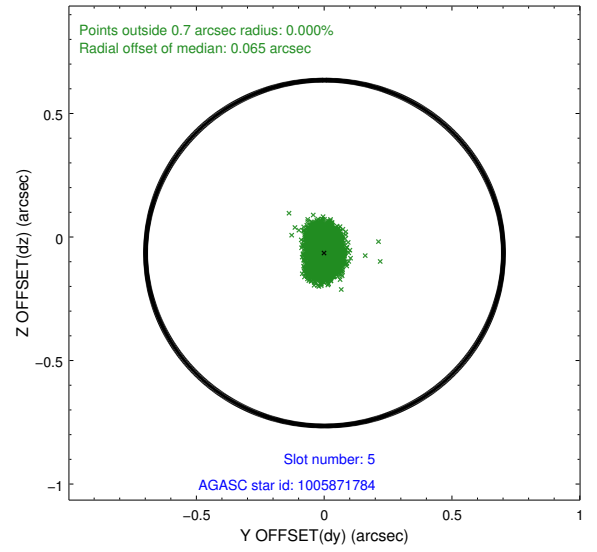
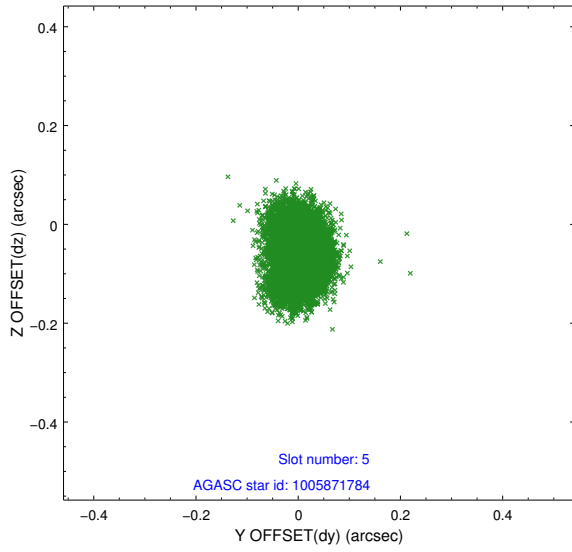
2.4.1 Slot 3



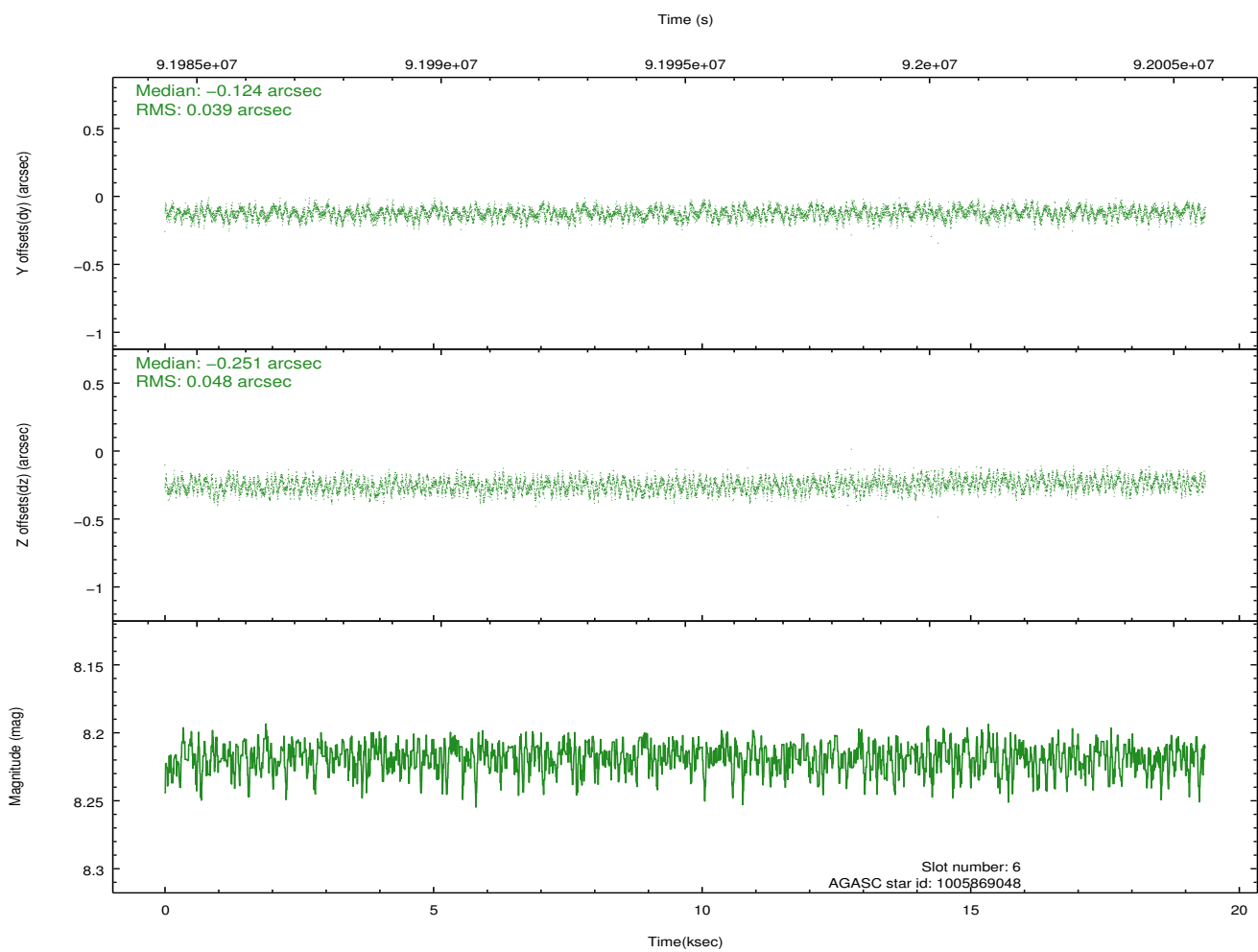
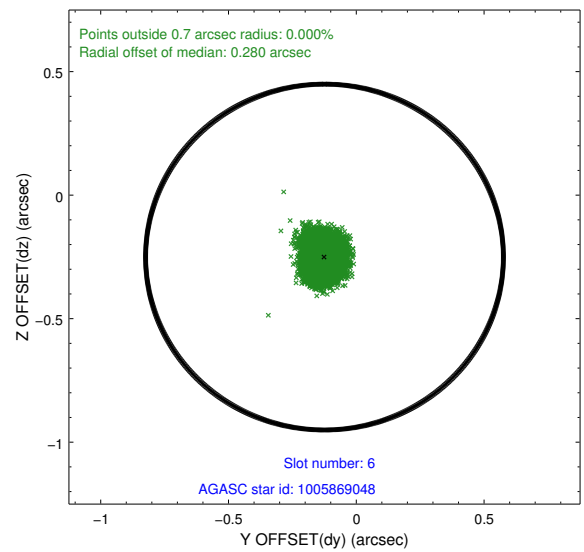
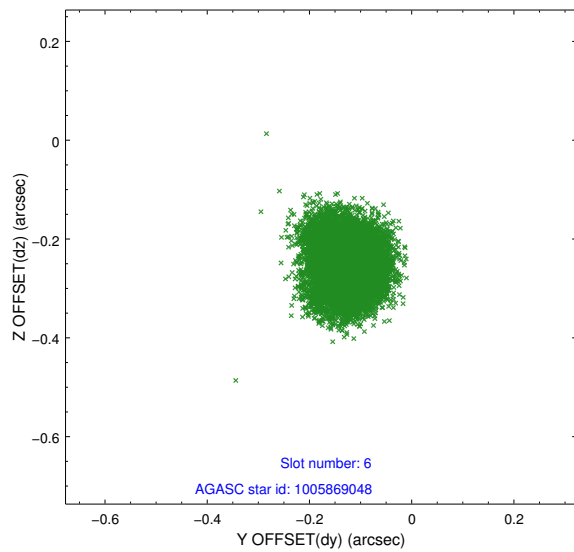
2.4.2 Slot 4



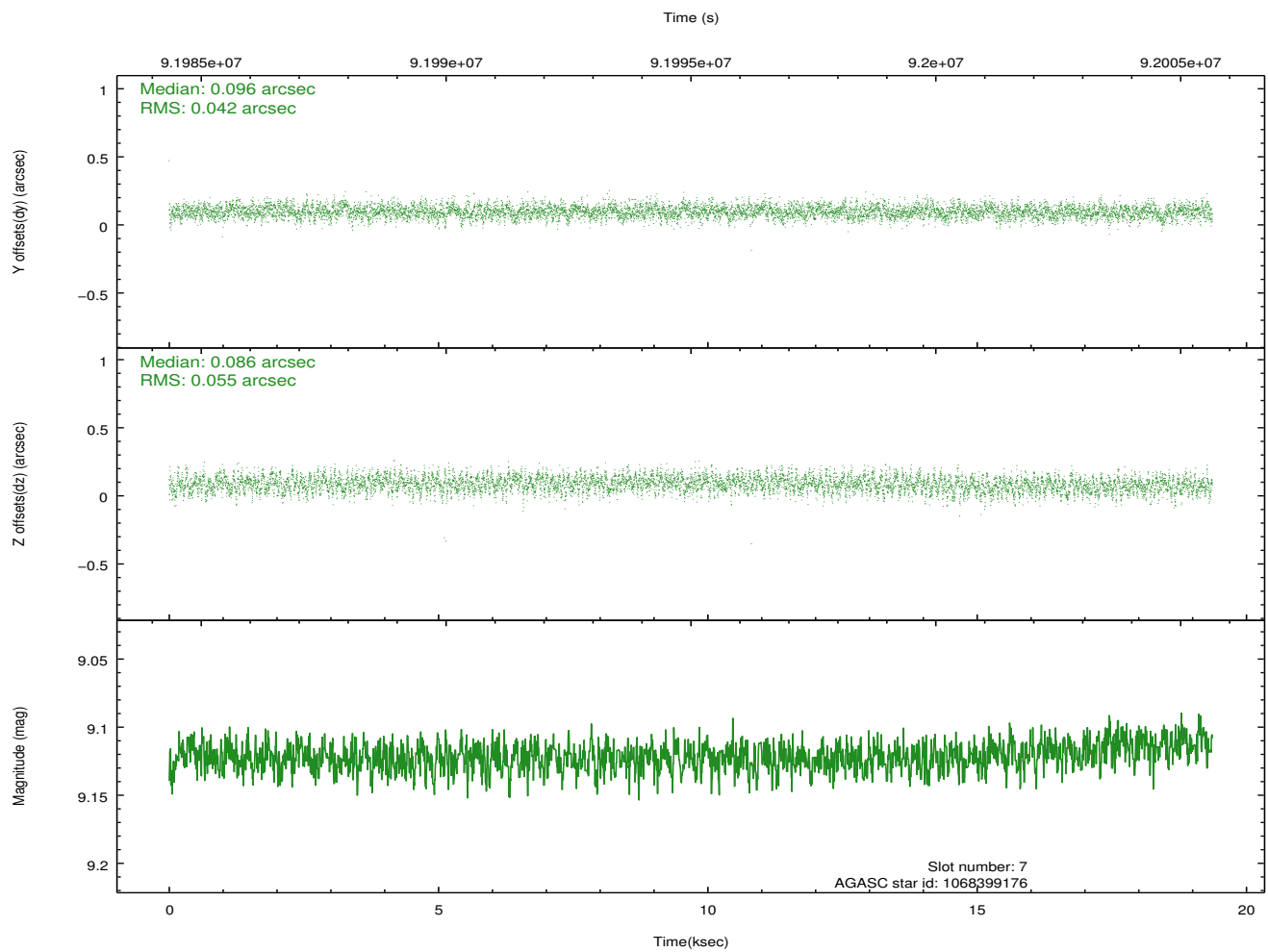
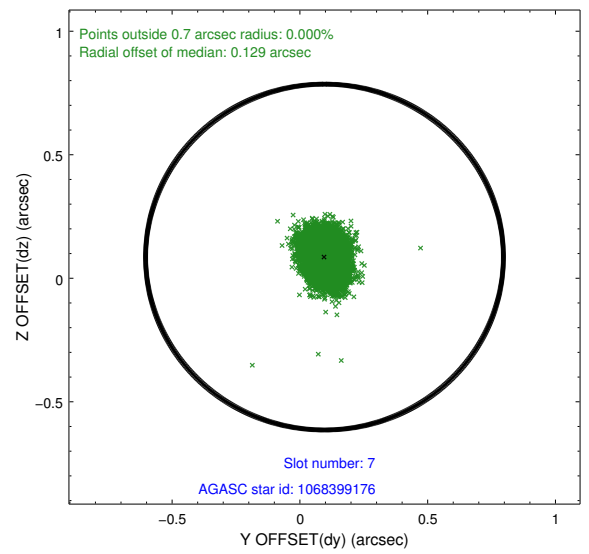
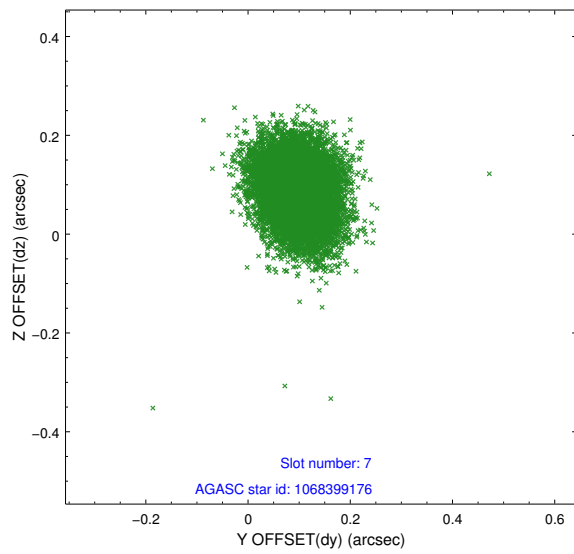
2.4.3 Slot 5



2.4.4 Slot 6

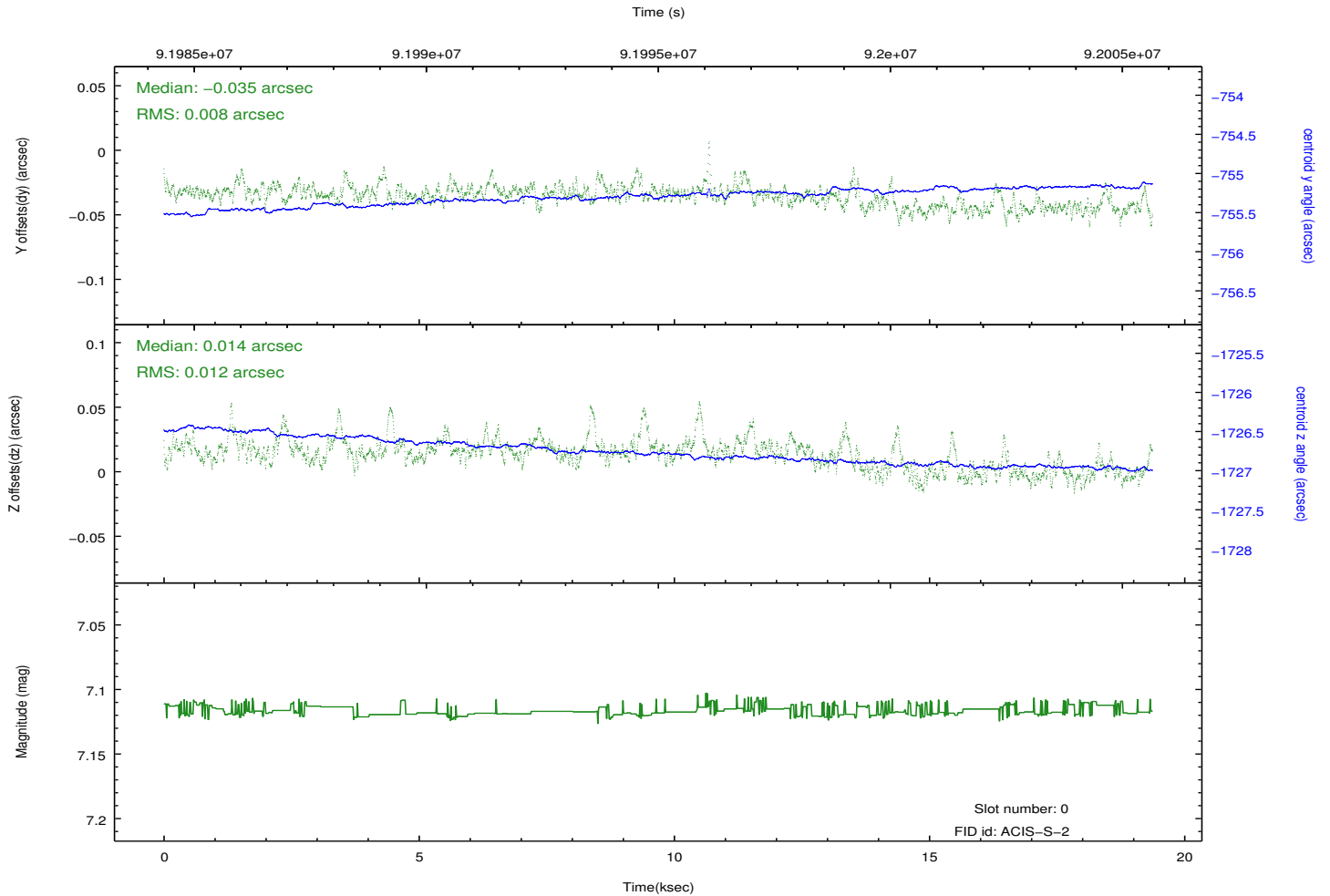
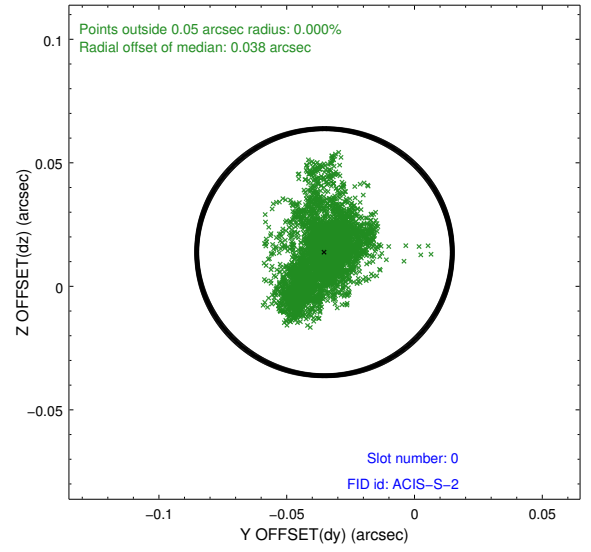
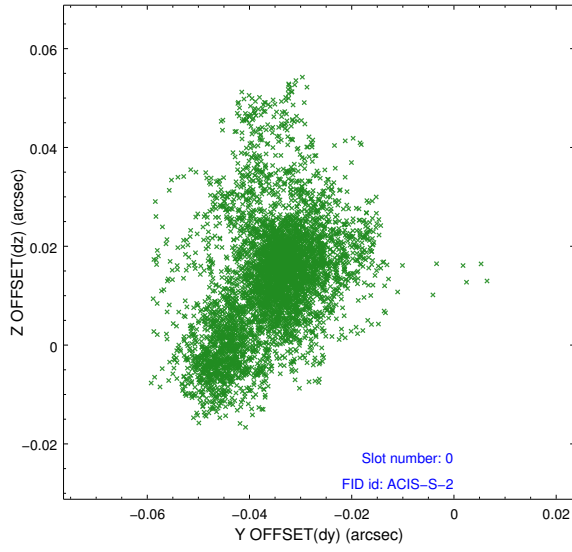


2.4.5 Slot 7

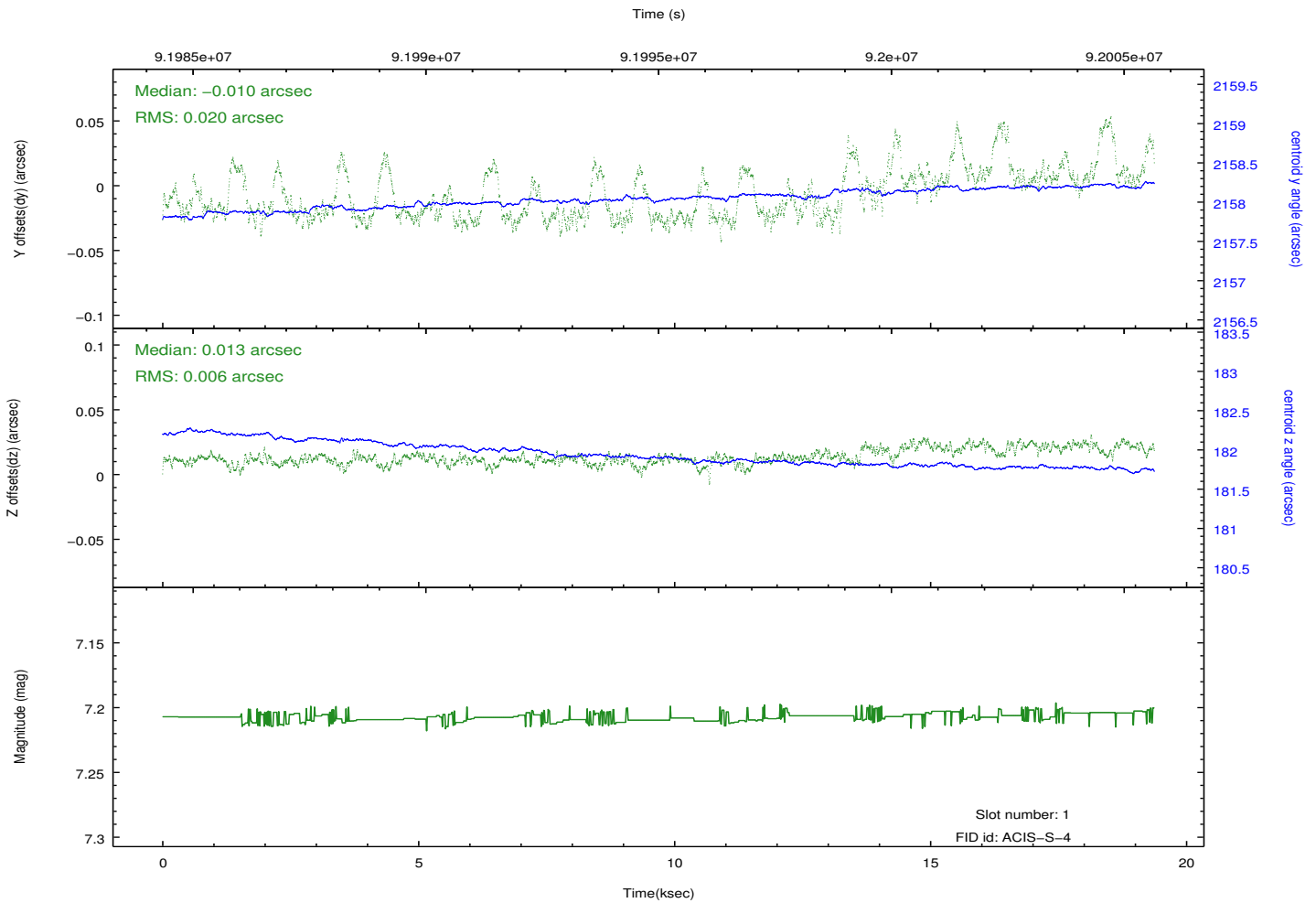
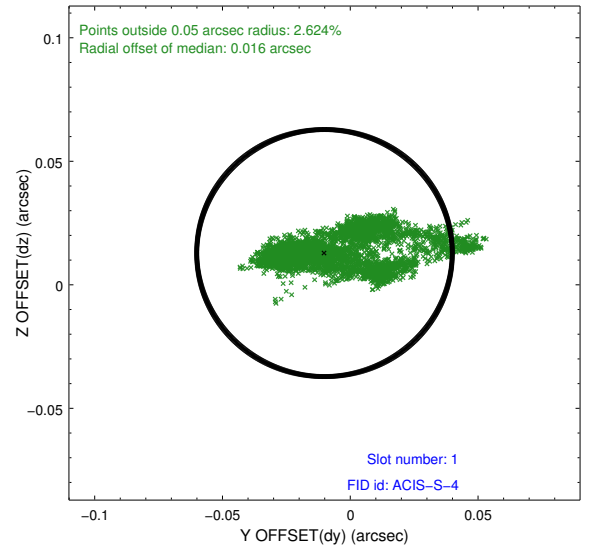
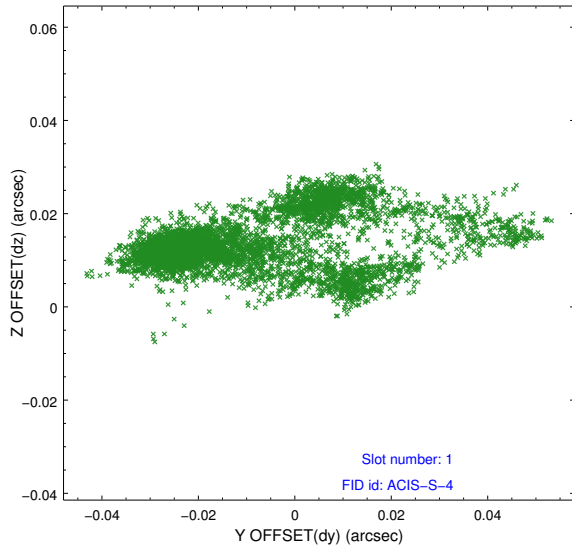


2.5 FID Slots

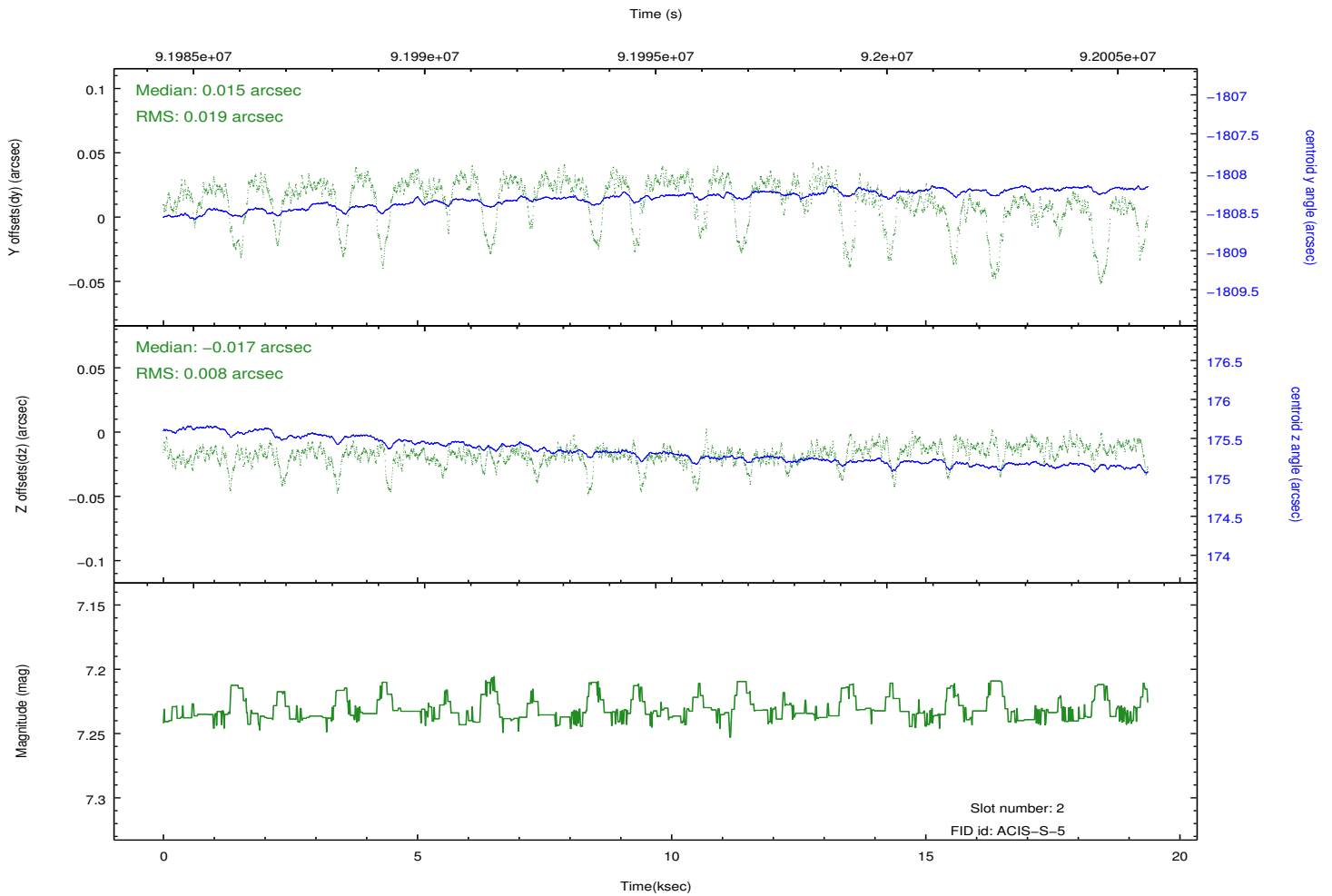
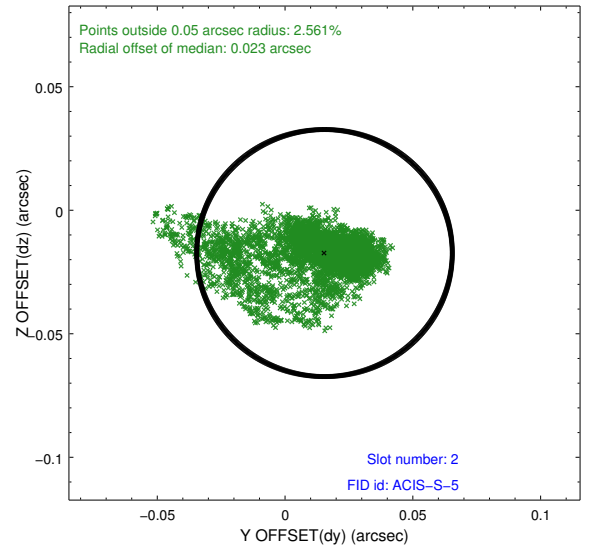
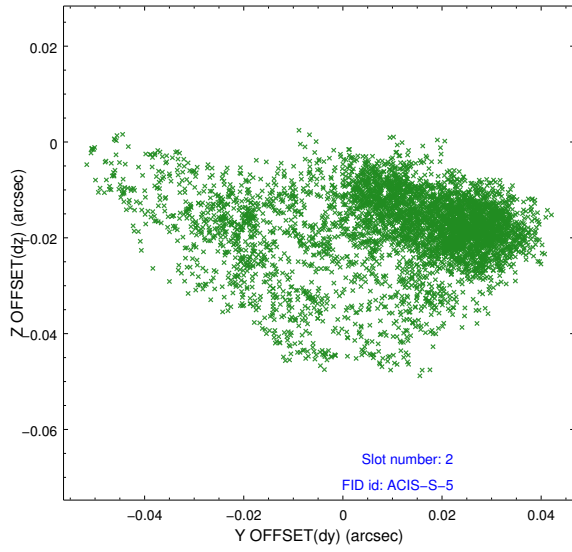
2.5.1 Slot 0



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)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.366

A.2 Comments