

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13706 - L2 Version 1
Chandra X-Ray Center

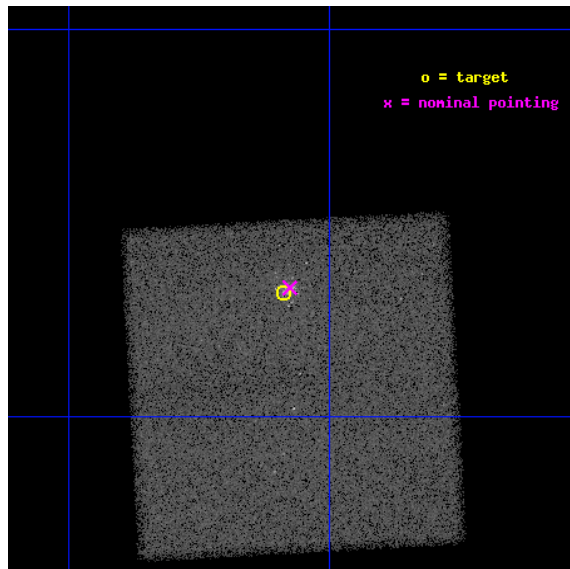
L2 Processing Date : May 14 2012

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1 Front

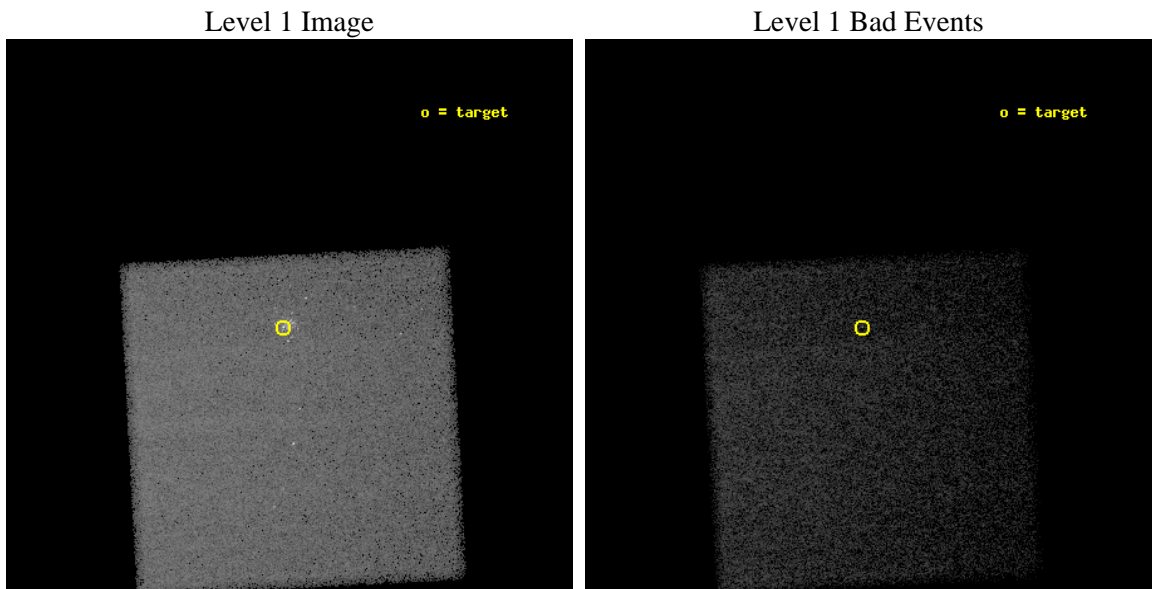
seq_num	401392	Sequence number
obs_id	13706	Observation id
title	Quiescent monitoring of the 11 Hz pulsar in Terzan 5	Proposal titl
observer	Dr Nathalie Degenaar	Principal investigator
object	Terzan 5	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.021667	Observer's specified target RA [deg]
dec_targ	-24.779806	Observer's specified target Dec [deg]
ra_nom	267.01895769581	Nominal RA [deg]
dec_nom	-24.778058162818	Nominal Dec [deg]
roll_nom	86.888477274509	Nominal Roll [deg]
revision	1	Processing version of data
ontime	47091.0	Sum of GTIs [s]
lvetime	46455.488911688	Livetime [s]
ontime7	47091.0	Sum of GTIs [s]
l2events	164780	Number of level 2 events



2 OBI

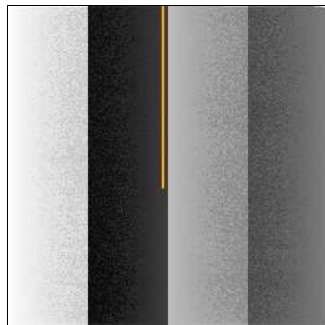
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	47000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	47091.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	47091.0	Sum of GTIs [s]
date	2012-05-14T18:52:21	Date and time of file creation	l1events	363201	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

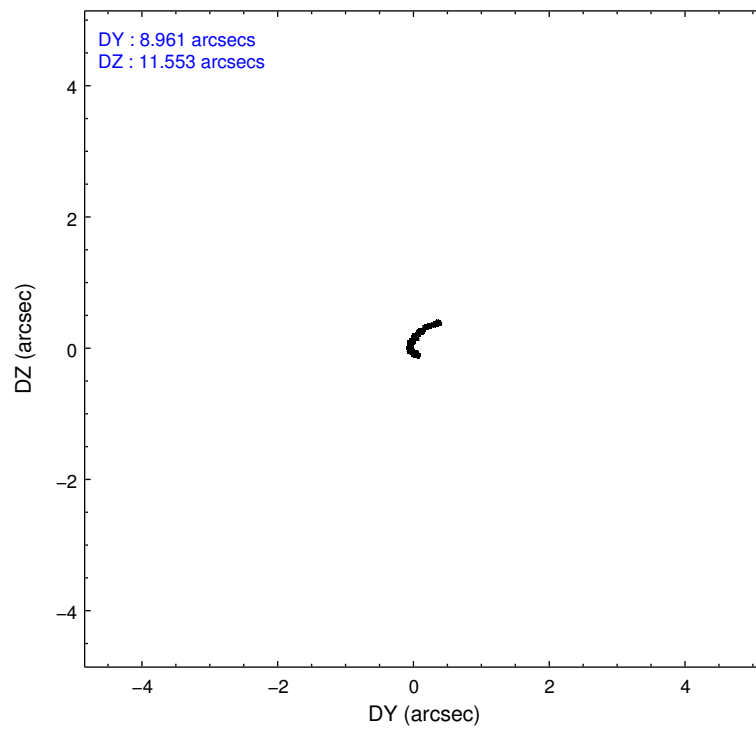
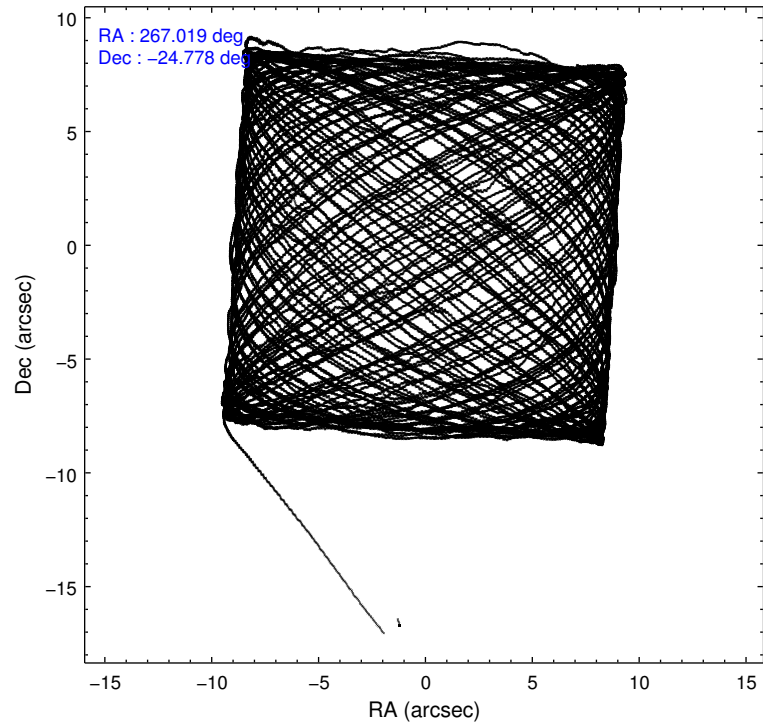
	ccd 7
level 1 events	363201
rejected events	194180
rejected %	53%

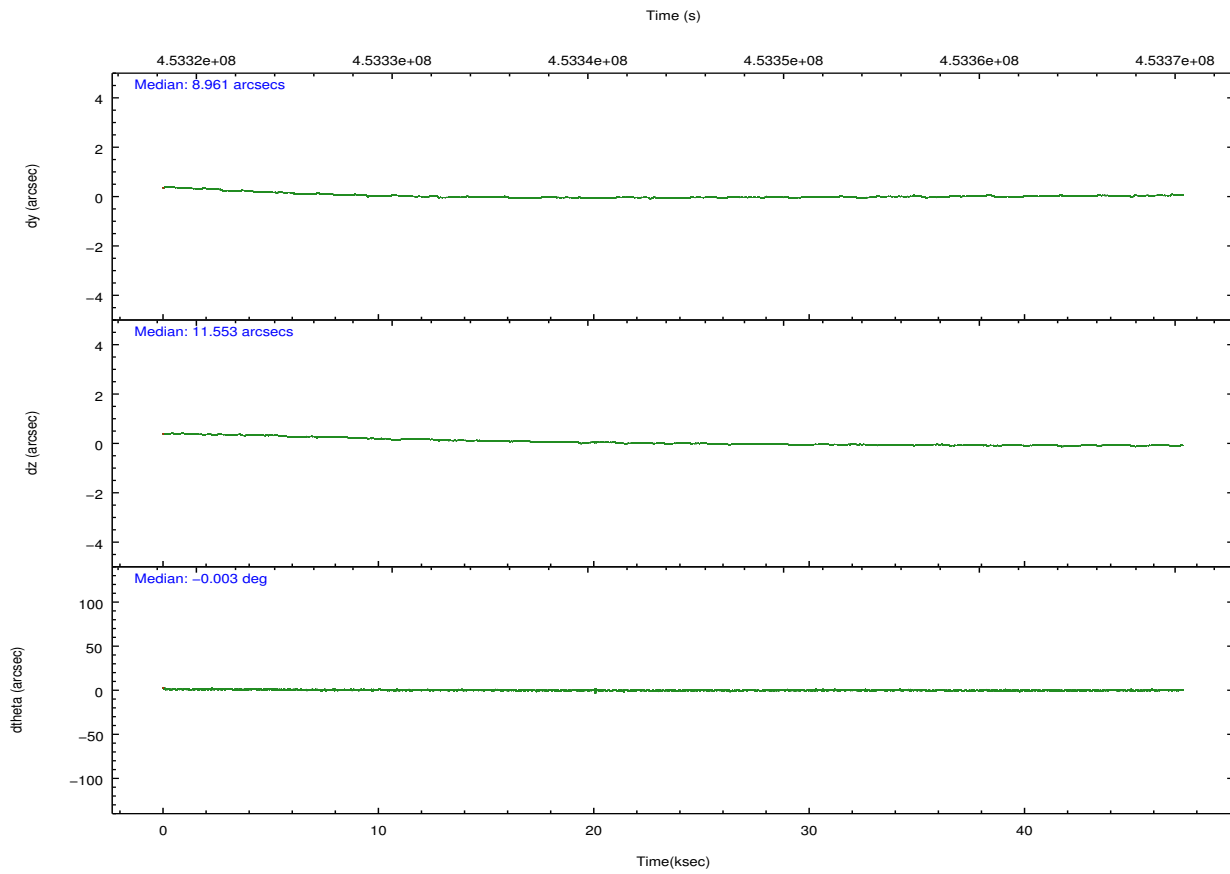
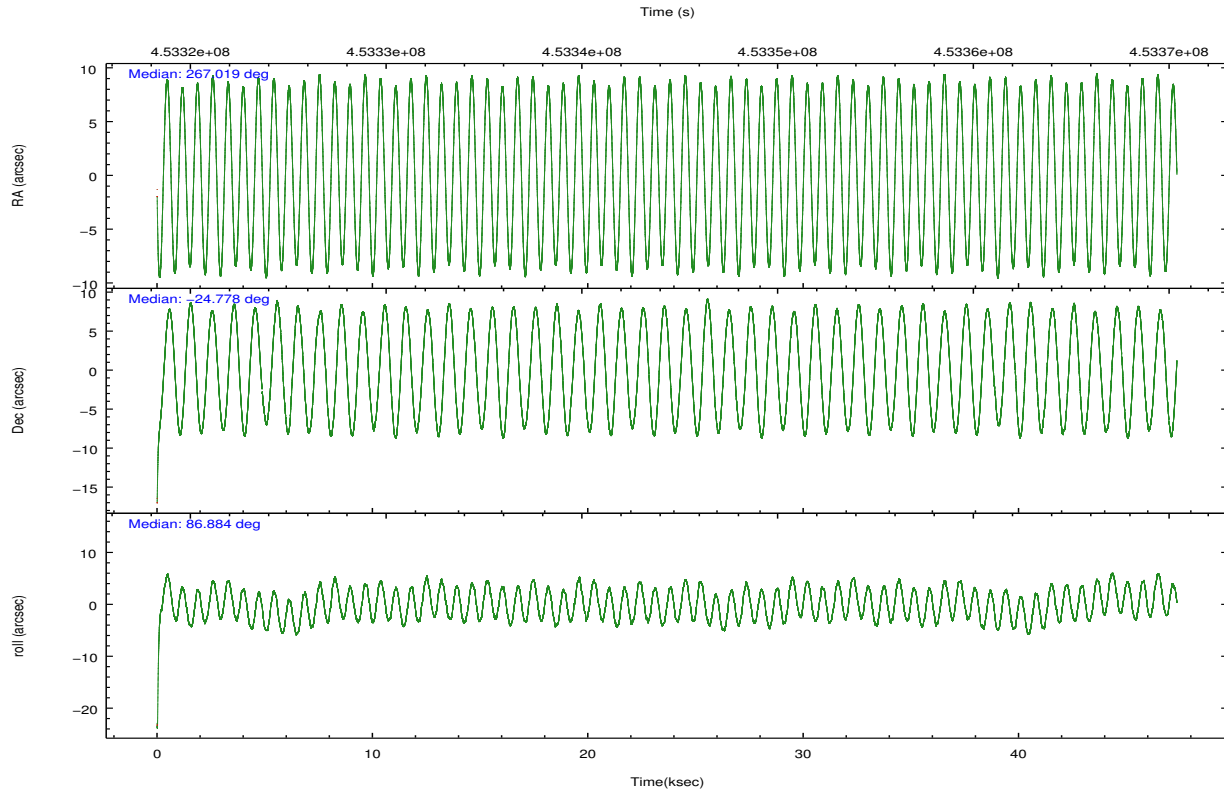
	ccd 7
grade 0 events	16582
	4%
grade 1 events	424
	0%
grade 2 events	34990
	9%
grade 3 events	15056
	4%
grade 4 events	14687
	4%
grade 5 events	36563
	10%
grade 6 events	87736
	24%
grade 7 events	157163
	43%

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	267.032948	267.0189576958067	Subarray requested	NONE	NONE
[deg] Pointing Dec	-24.802264	-24.77805816281804	Alternating exposures requested	N	N
[deg] Pointing Roll	86.737722	86.88847727450859	[s] Primary exposure time	0.000000	3
[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)	453321026.184000	453319193.89557			
Observation start date	2012-05-13T18:29:20	2012-05-13T17:59:53			
[s] Observation end time (MET)	453368026.184000	453369542.41075			
Observation end date	2012-05-14T07:32:40	2012-05-14T07:59:02			
Read mode	TIMED	TIMED			

2.3 Aspect



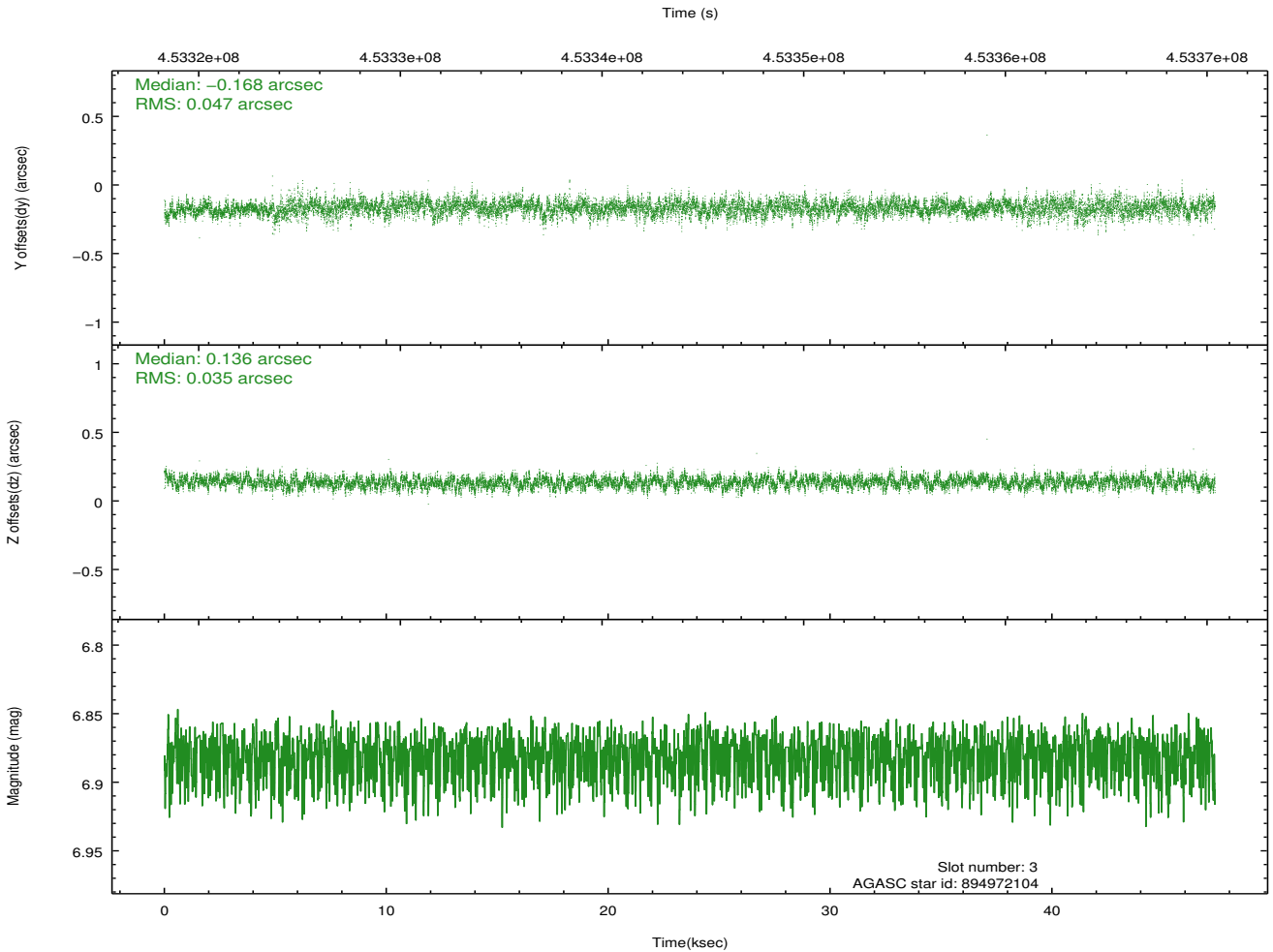
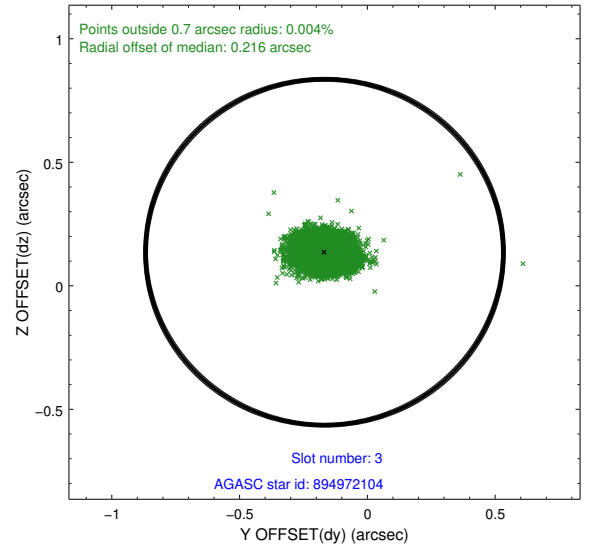
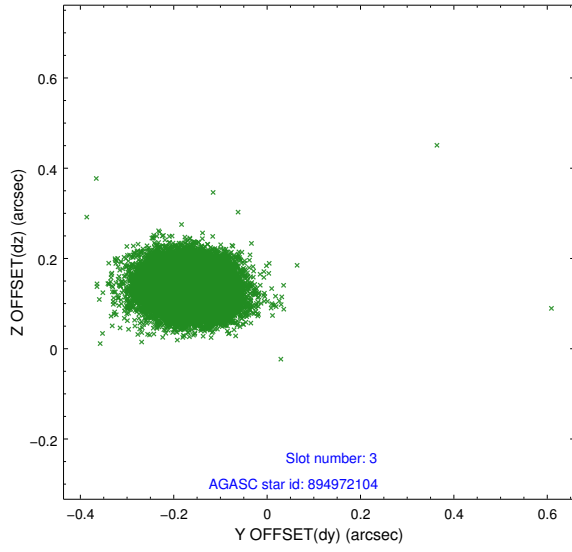


Slot Statistics

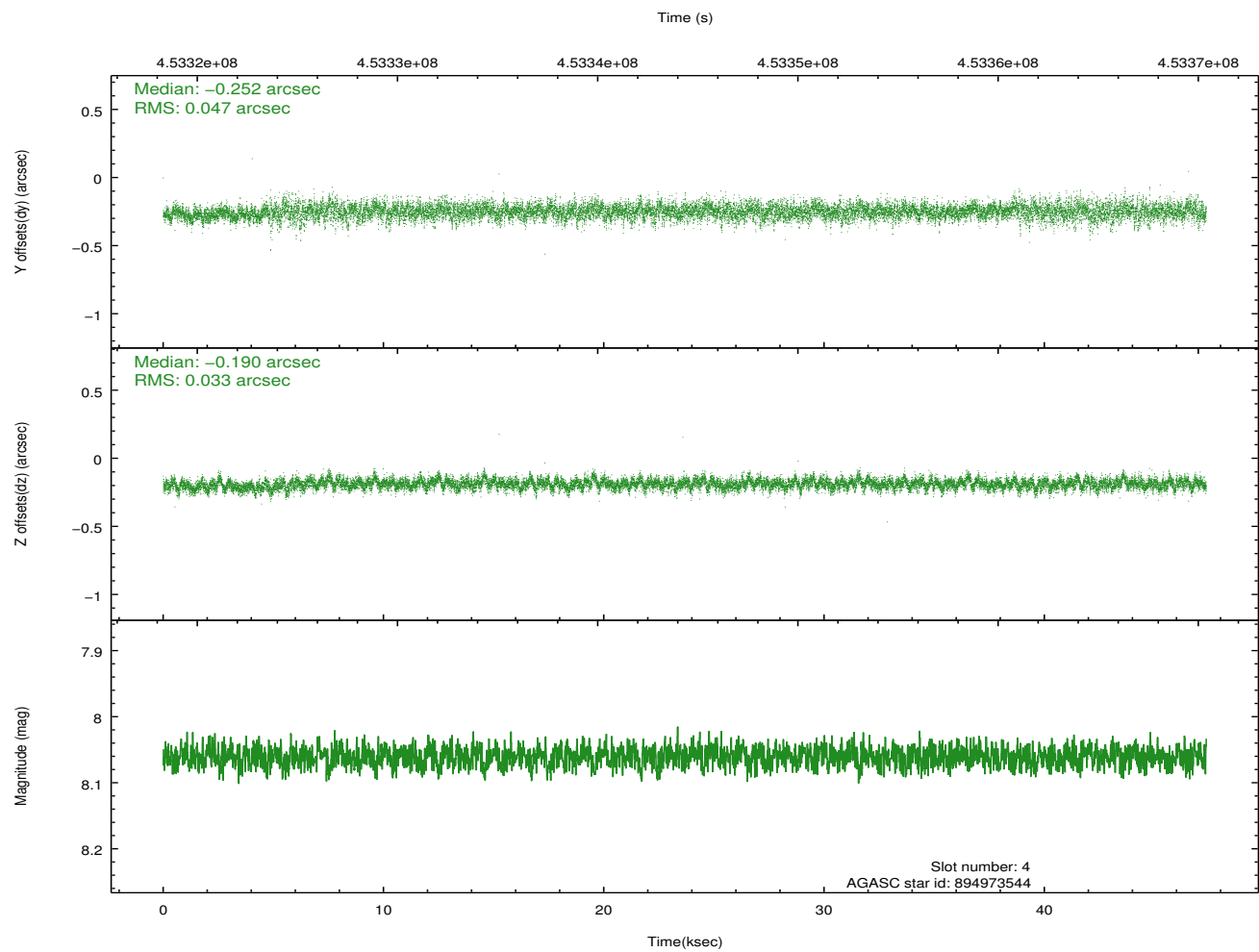
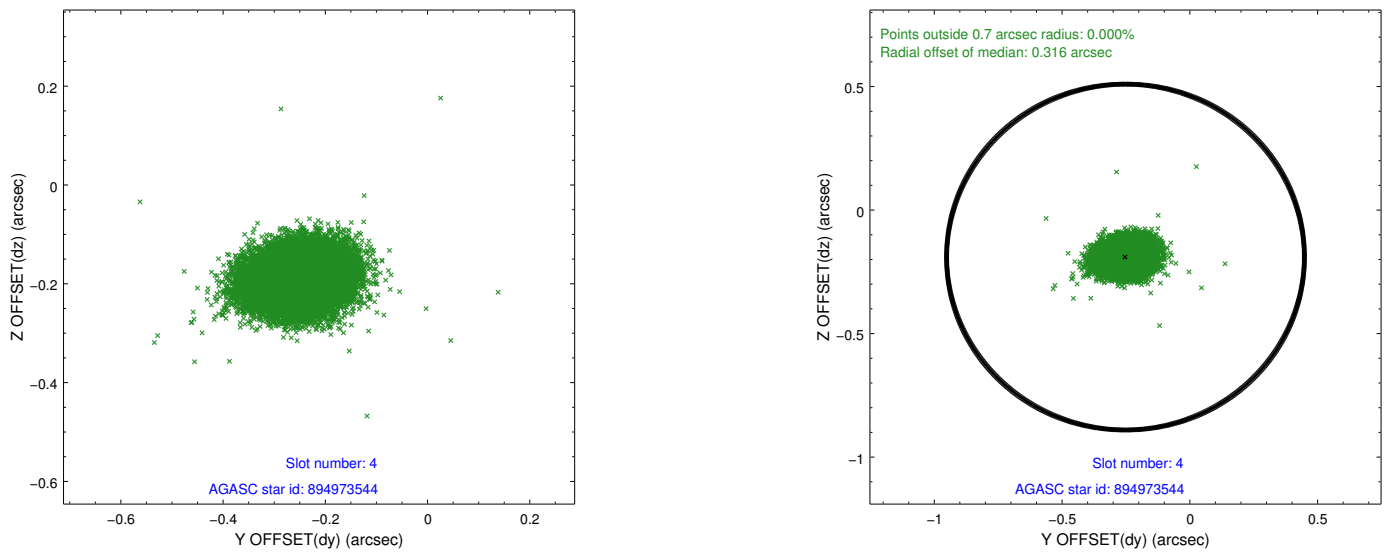
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	11548	-0.109	-0.082	0.007	0.016	0.000000	0.000000	-761.95	-1732.96
1	FID	ACIS-S-4	7.07	11549	0.136	0.044	0.007	0.012	0.000000	0.000000	2151.62	175.59
2	FID	ACIS-S-6	7.20	11549	-0.054	0.045	0.008	0.016	0.000000	0.000000	400.14	813.01
3	GUIDE	894972104	6.88	23097	-0.168	0.136	0.061	0.102	267.489380	-24.207054	2221.79	-1373.42
4	GUIDE	894973544	8.06	23094	-0.252	-0.190	0.059	0.101	266.605572	-24.141151	2293.78	1537.39
5	GUIDE	895485920	8.66	23083	0.063	-0.110	0.083	0.133	266.932426	-25.188840	-1407.83	247.74
6	GUIDE	895486672	9.01	23081	0.208	0.221	0.097	0.154	267.522168	-25.216127	-1399.73	-1675.25
7	GUIDE	895489704	8.77	23083	0.151	-0.060	0.090	0.147	266.328076	-25.361339	-2146.69	2174.08

2.4 Star Slots

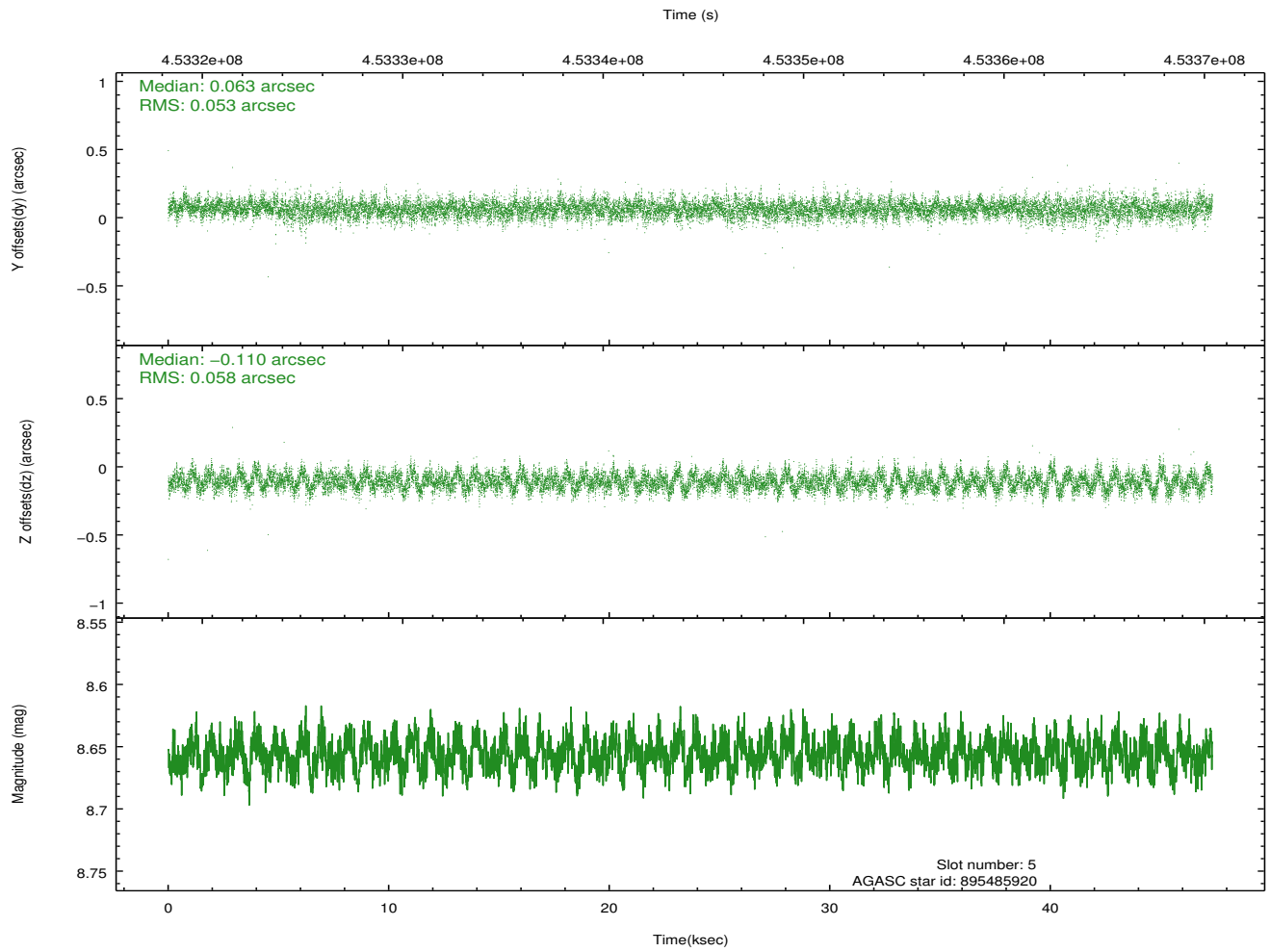
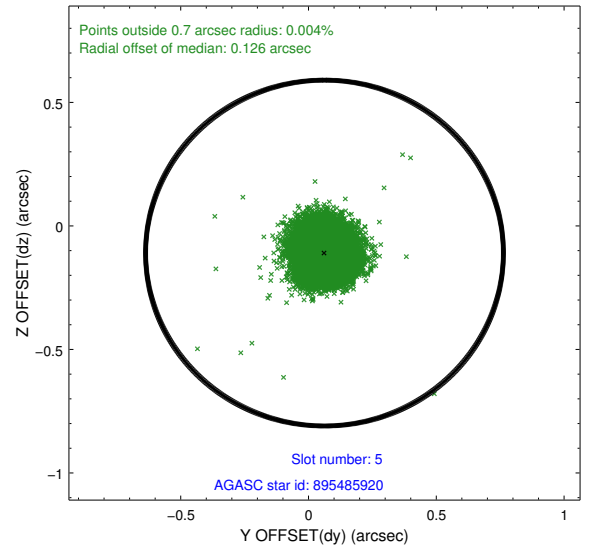
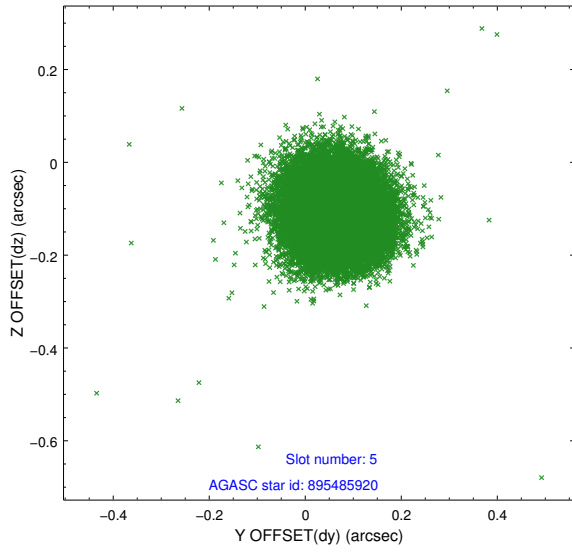
2.4.1 Slot 3



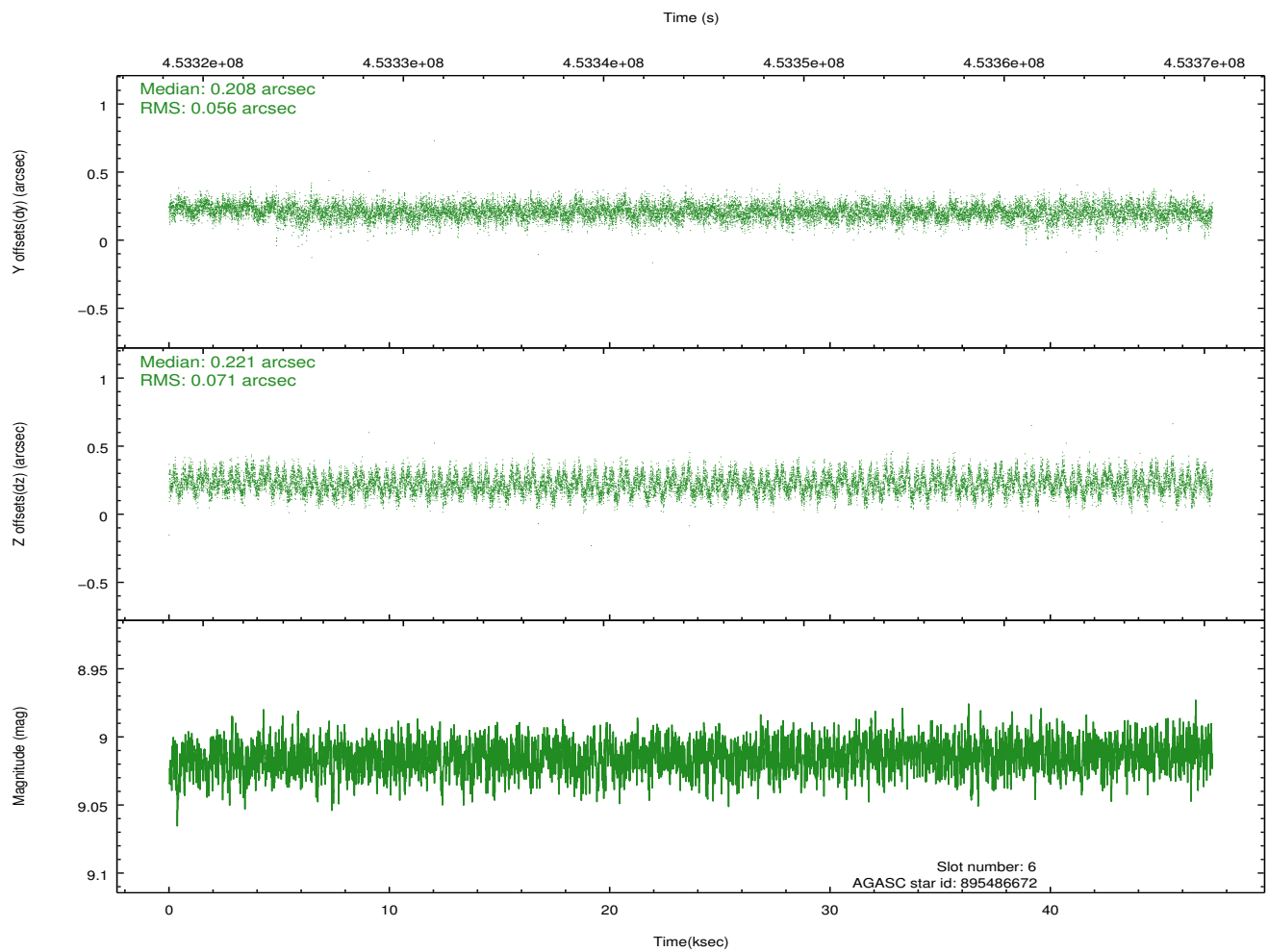
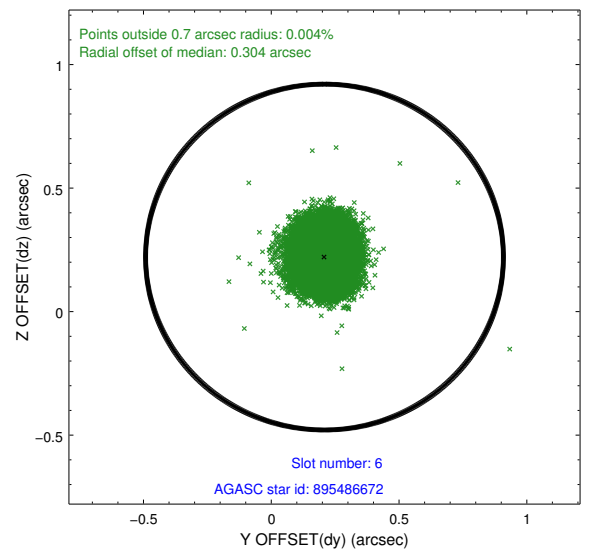
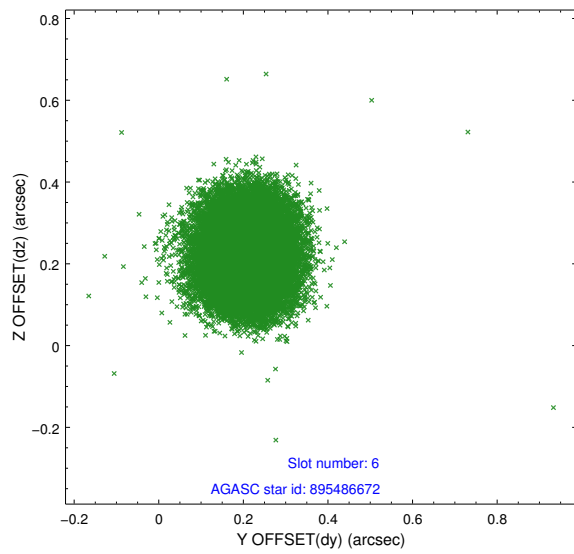
2.4.2 Slot 4



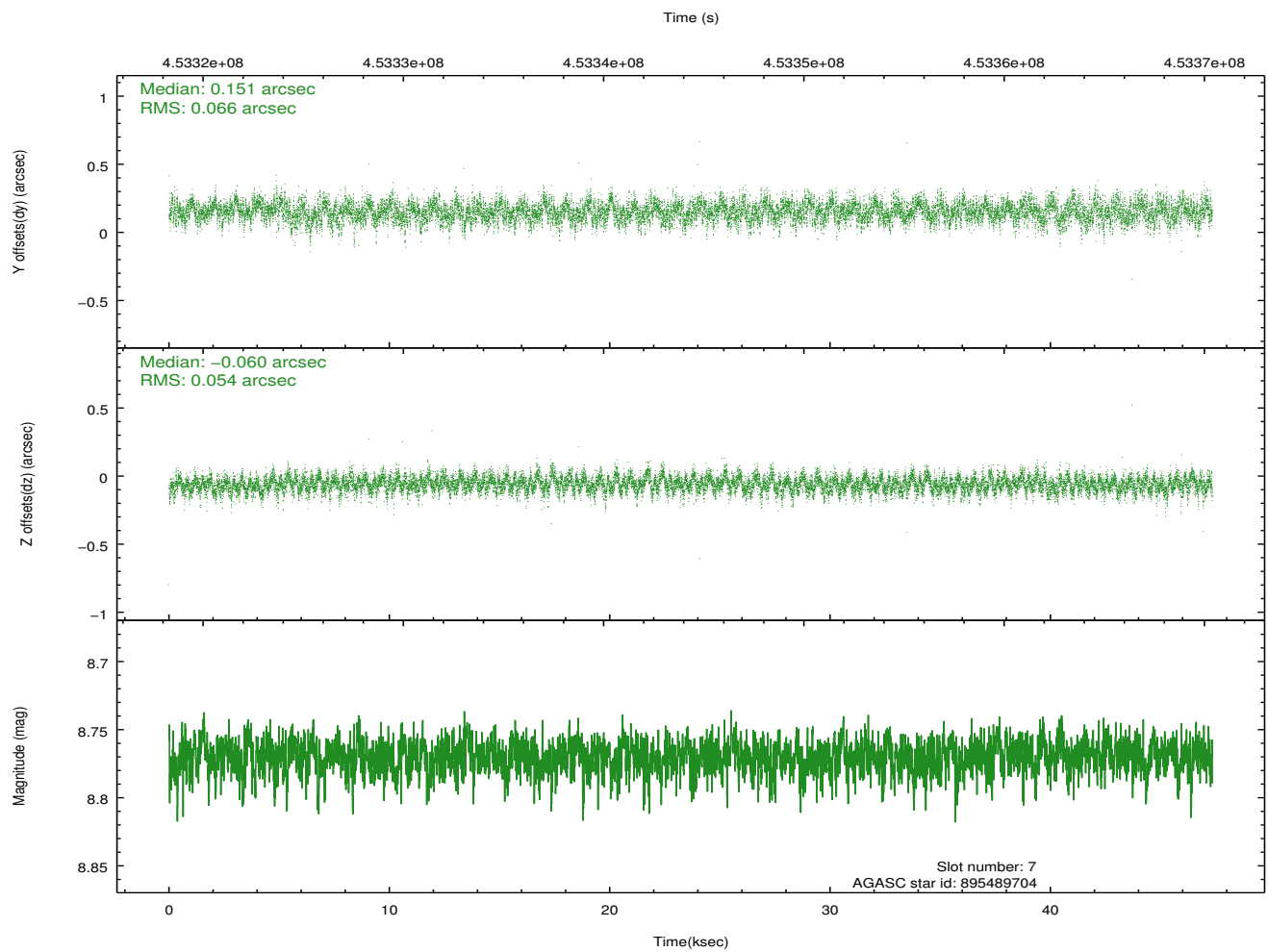
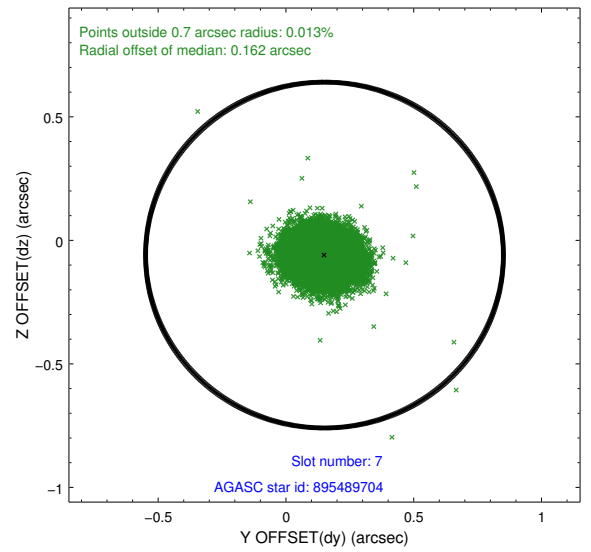
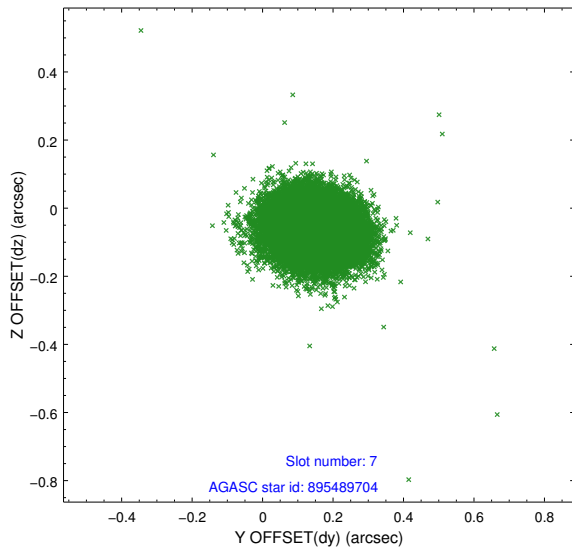
2.4.3 Slot 5



2.4.4 Slot 6

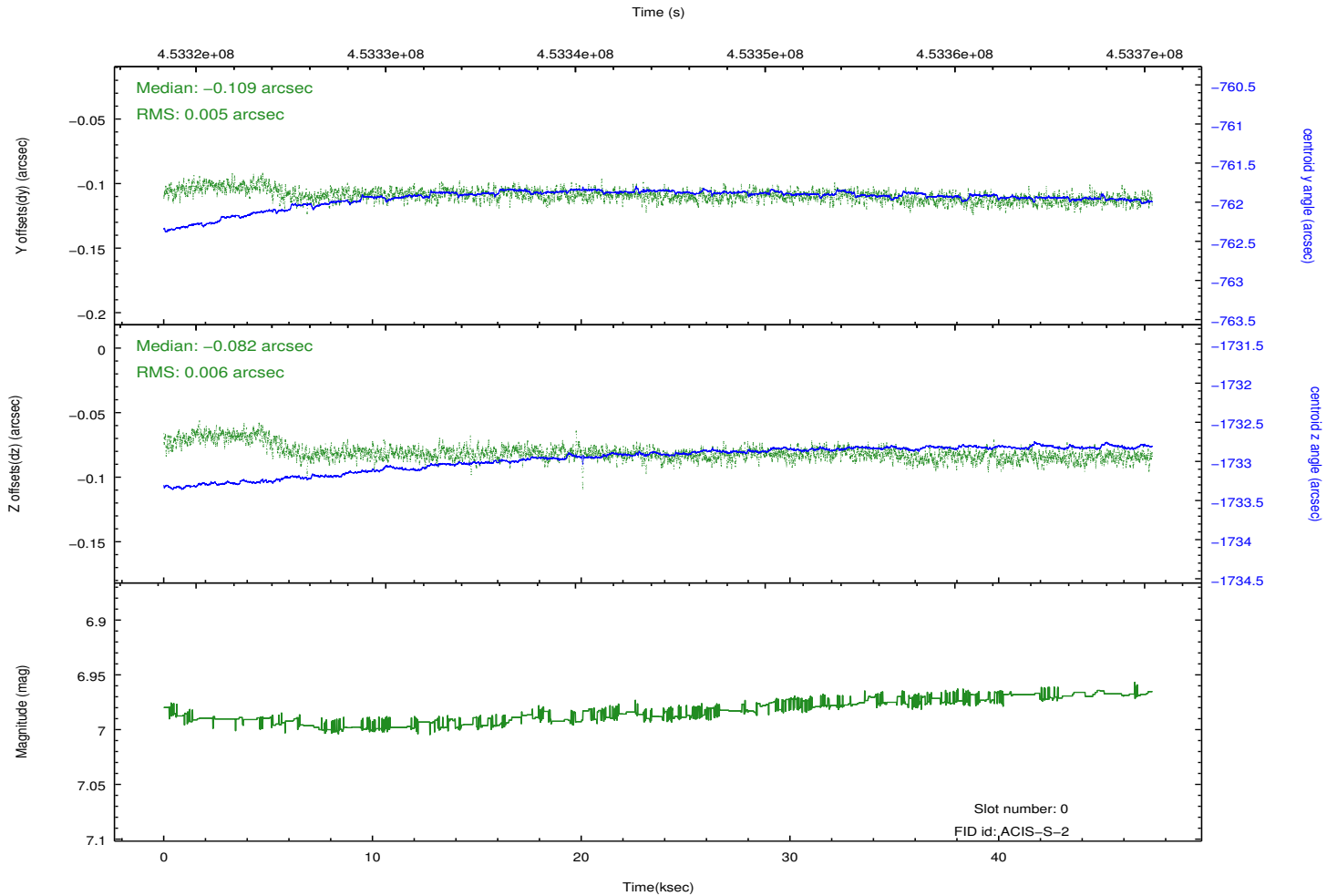
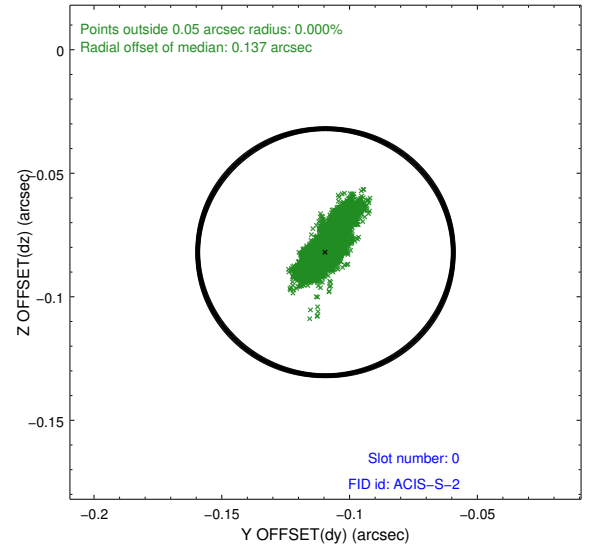
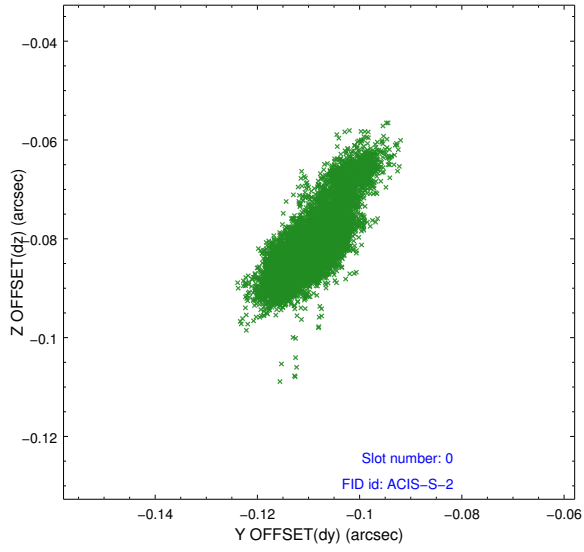


2.4.5 Slot 7

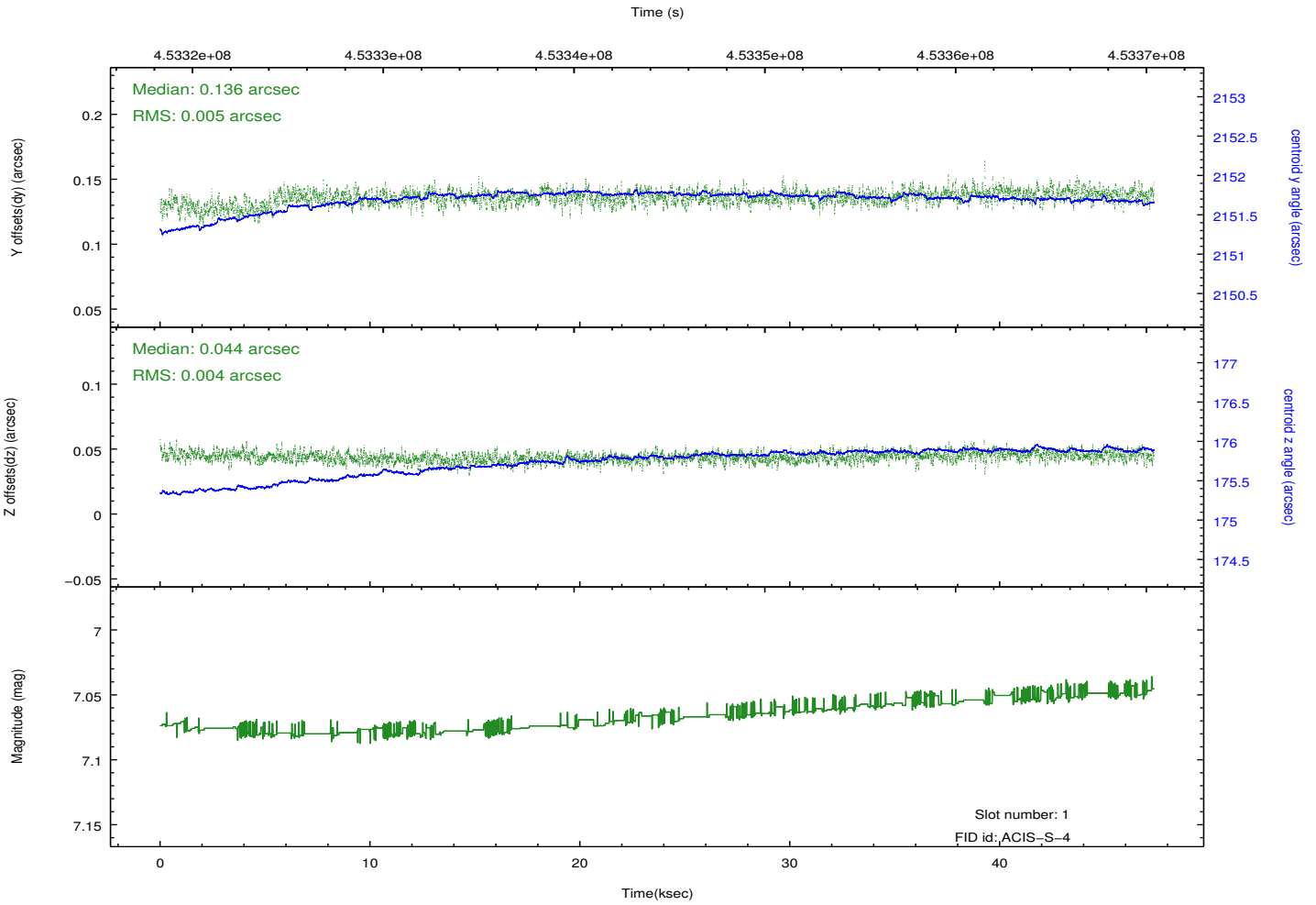
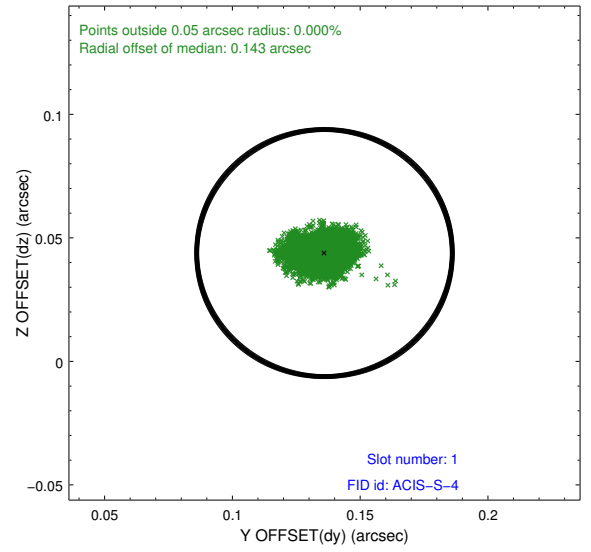
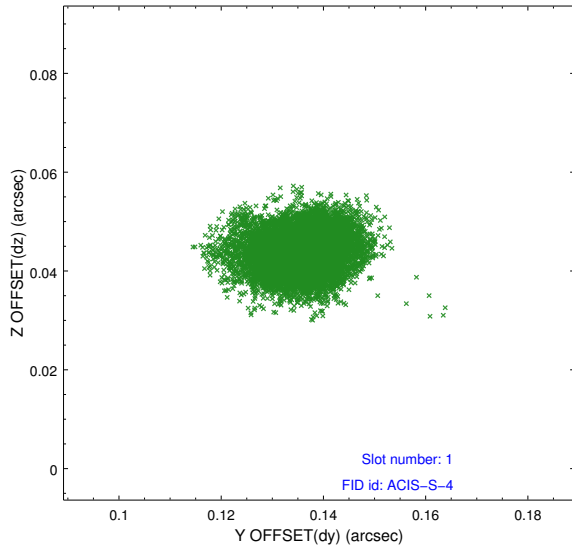


2.5 FID Slots

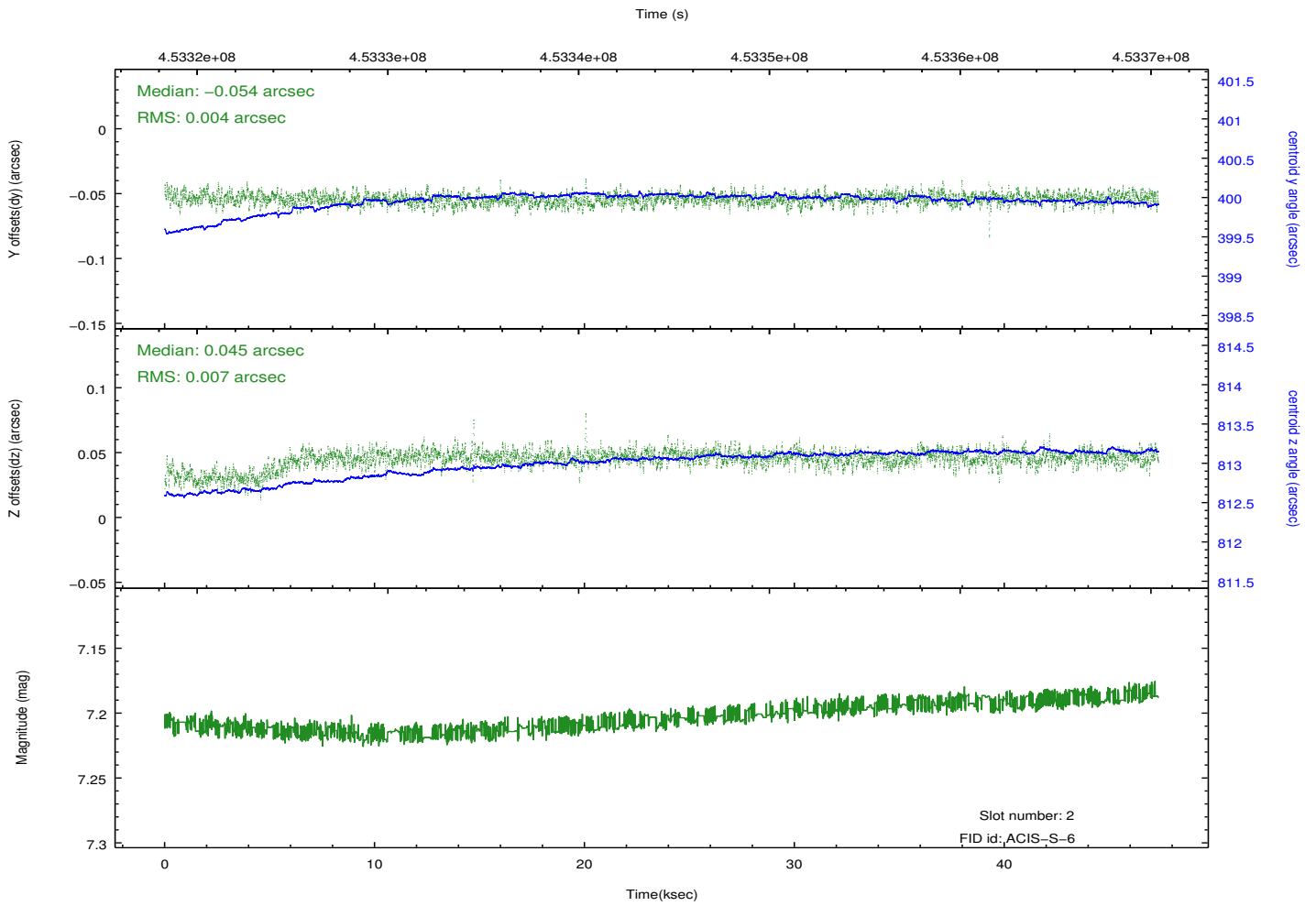
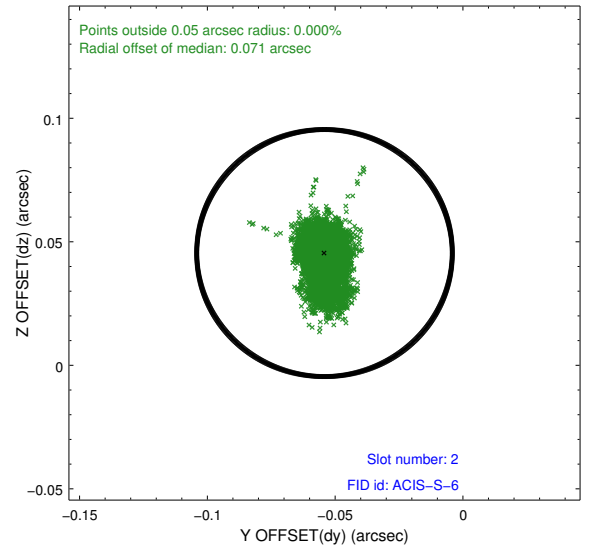
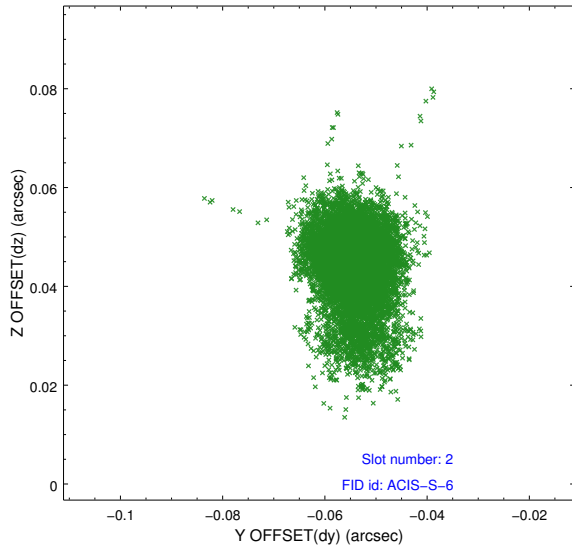
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.091

A.2 Comments