

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 18987 - L2 Version 1
Chandra X-Ray Center

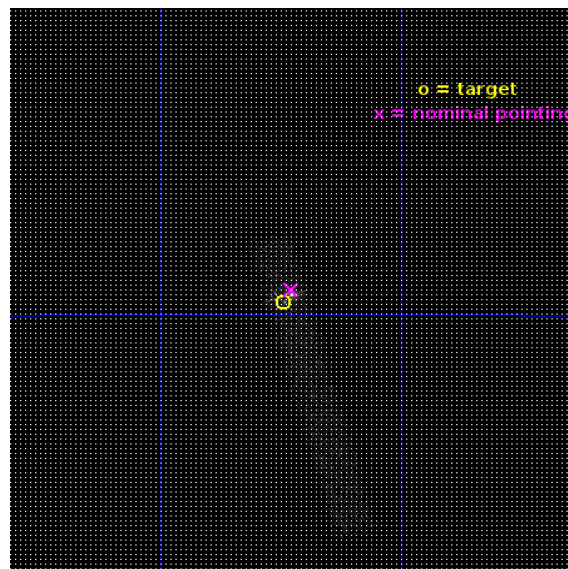
L2 Processing Date : May 22 2017

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1 Front

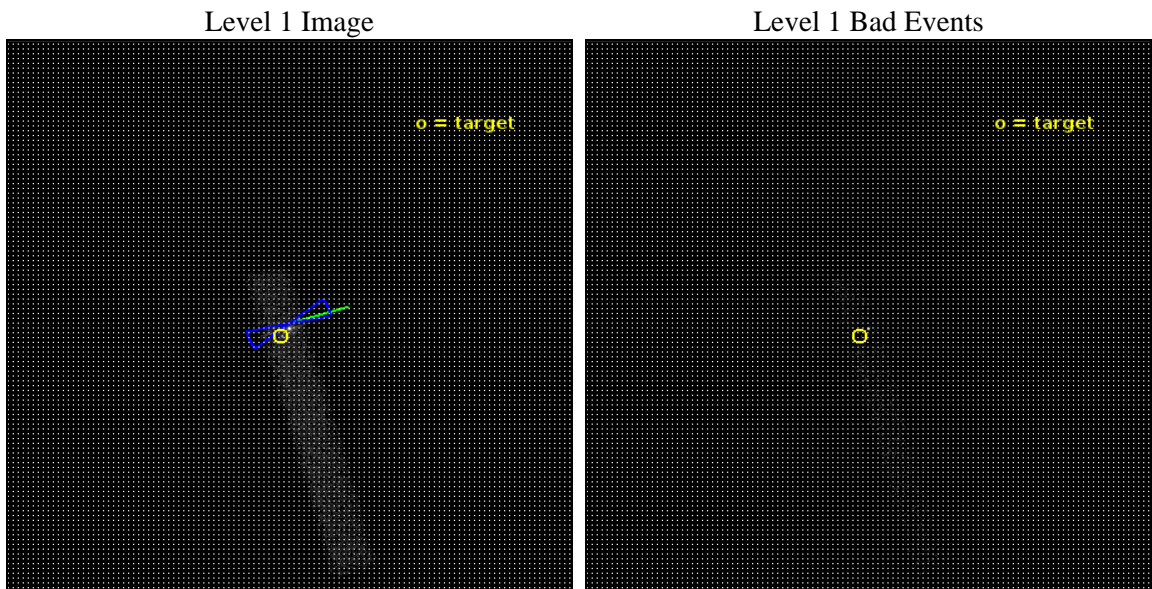
seq_num	401855	Sequence number
obs_id	18987	Observation id
title	Identifying the nature of a peculiar globular cluster X-ray binary	
observer	Vlad Tudor	Principal investigator
object	NGC6652	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.935833	Observer's specified target RA [deg]
dec_targ	-32.994028	Observer's specified target Dec [deg]
ra_nom	278.93195440975	Nominal RA [deg]
dec_nom	-32.988618230774	Nominal Dec [deg]
roll_nom	74.154678965871	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11069.134677649	Sum of GTIs [s]
livetime	10039.120875792	Livetime [s]
ontime7	11069.134677649	Sum of GTIs [s]
l2events	23769	Number of level 2 events



2 OBI

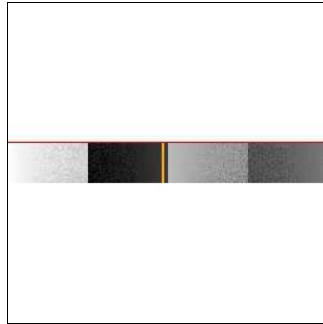
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	11069.134677649	Sum of GTIs [s]
caldsver	4.7.4	 	ontime7	11069.134677649	Sum of GTIs [s]
date	2017-05-22T21:26:52	Date and time of file creation	l1events	34518	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

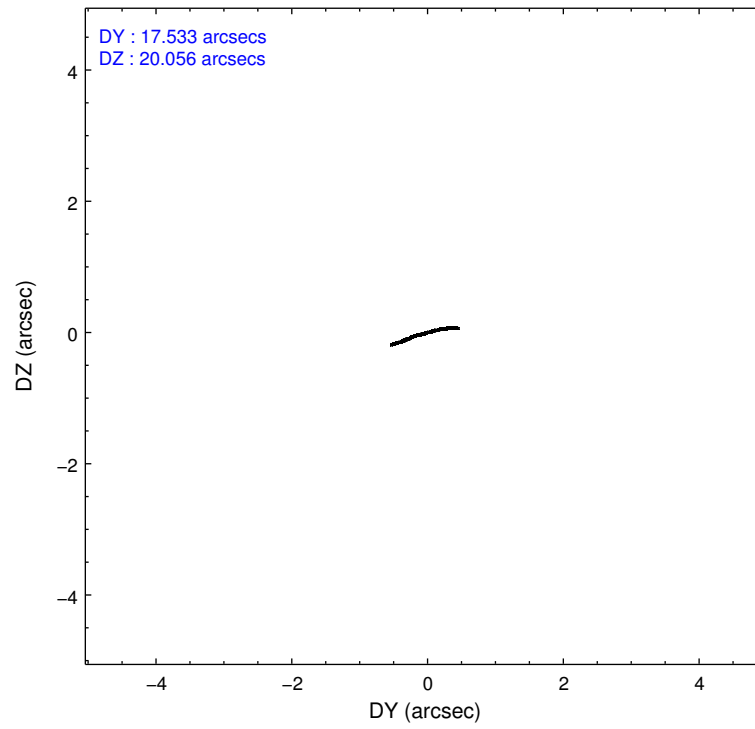
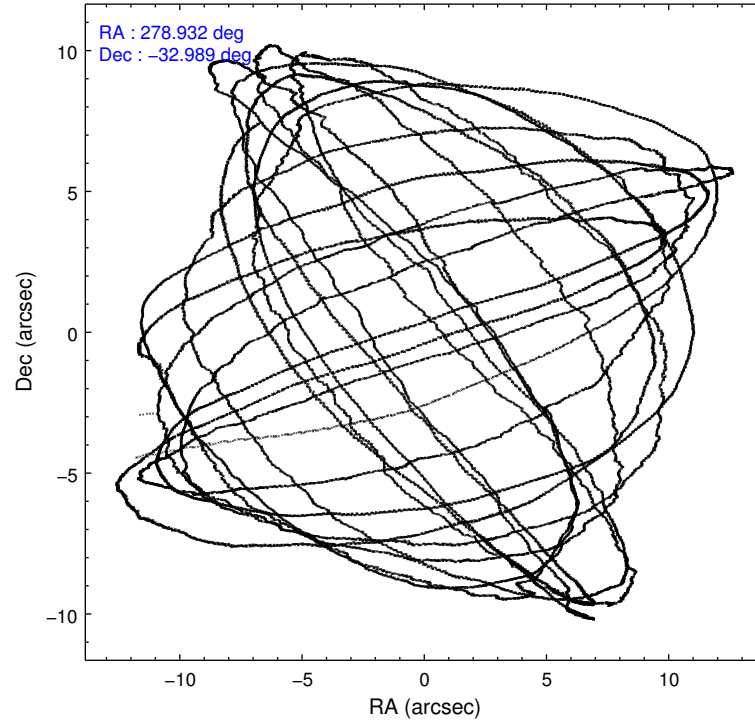
	ccd 7
level 1 events	34518
rejected events	10415
rejected %	30%

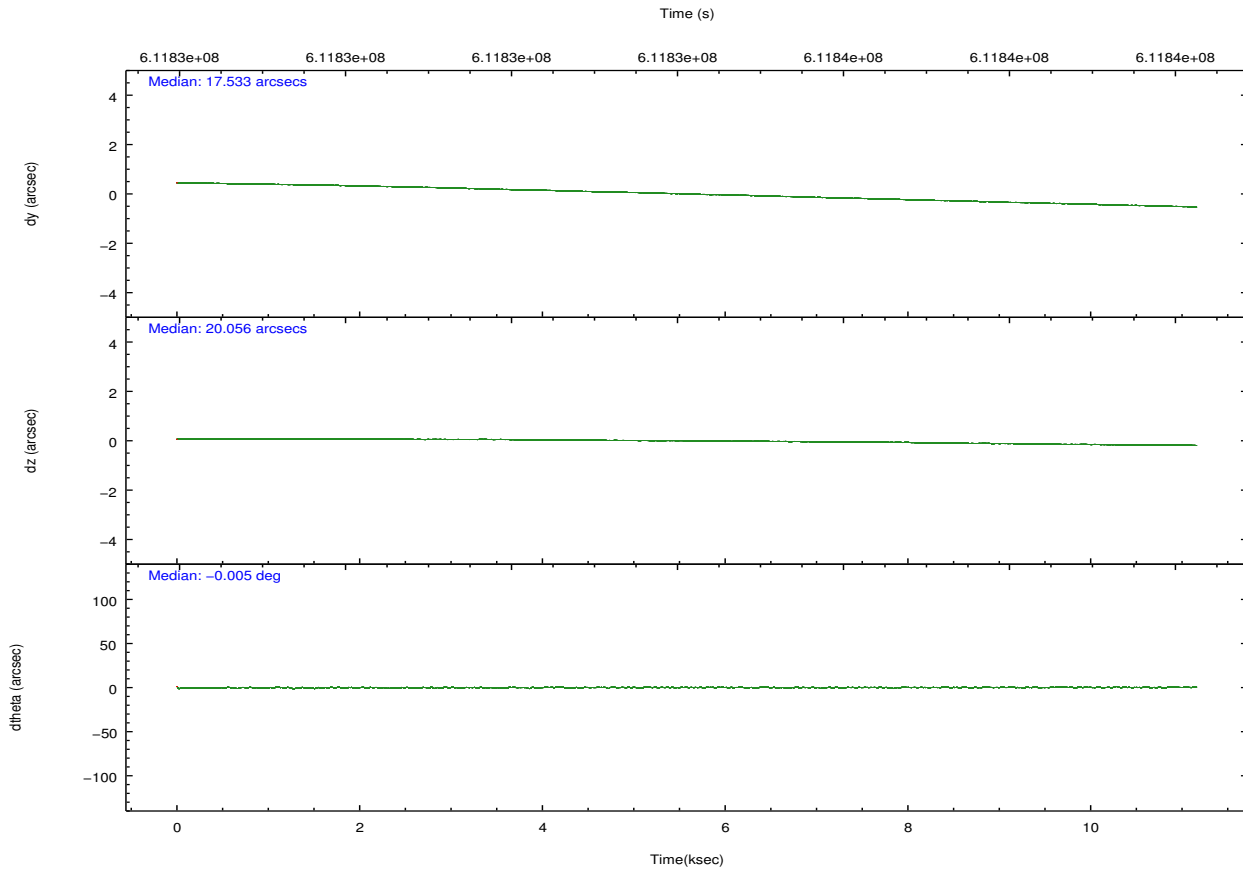
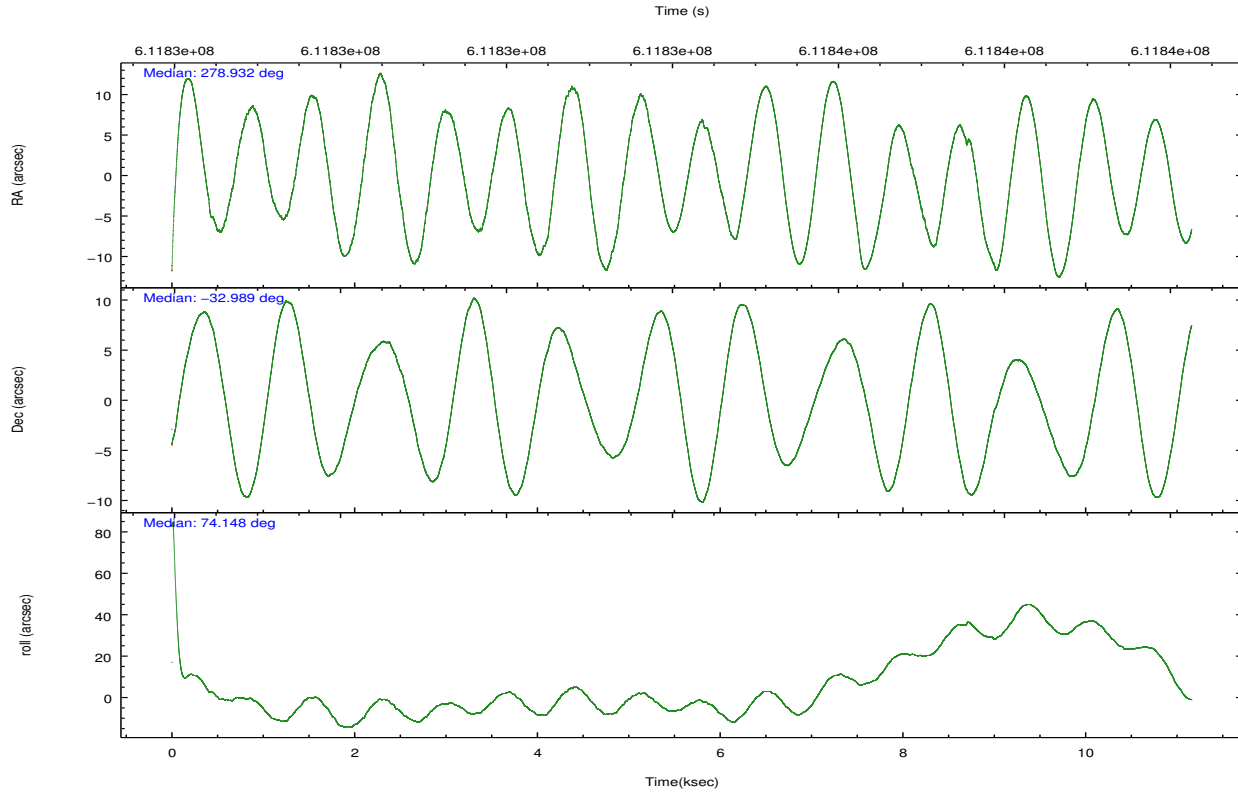
	ccd 7
grade 0 events	4305
	12%
grade 1 events	287
	0%
grade 2 events	5422
	15%
grade 3 events	2759
	7%
grade 4 events	2605
	7%
grade 5 events	2591
	7%
grade 6 events	9015
	26%
grade 7 events	7534
	21%

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	278.940445	278.9319544097503	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-33.015120	-32.98861823077366	Subarray start row	449	449
[deg] Pointing Roll	74.002514	74.15467896587066	Subarray row count	128	128
[deg] Roll angle	66.500000	66.500000	Alternating exposures requested	N	N
[deg] Roll tolerance	13.500000	13.500000	[s] Primary exposure time	0.000000	0.4
Roll constraint allows 180D rotation	Y	Y			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	611828708.184000	611828070.88429			
Observation start date	2017-05-22T08:23:59	2017-05-22T08:14:30			
[s] Observation end time (MET)	611839708.184000	611840619.44752			
Observation end date	2017-05-22T11:27:19	2017-05-22T11:43:39			
Read mode	TIMED	TIMED			

2.3 Aspect



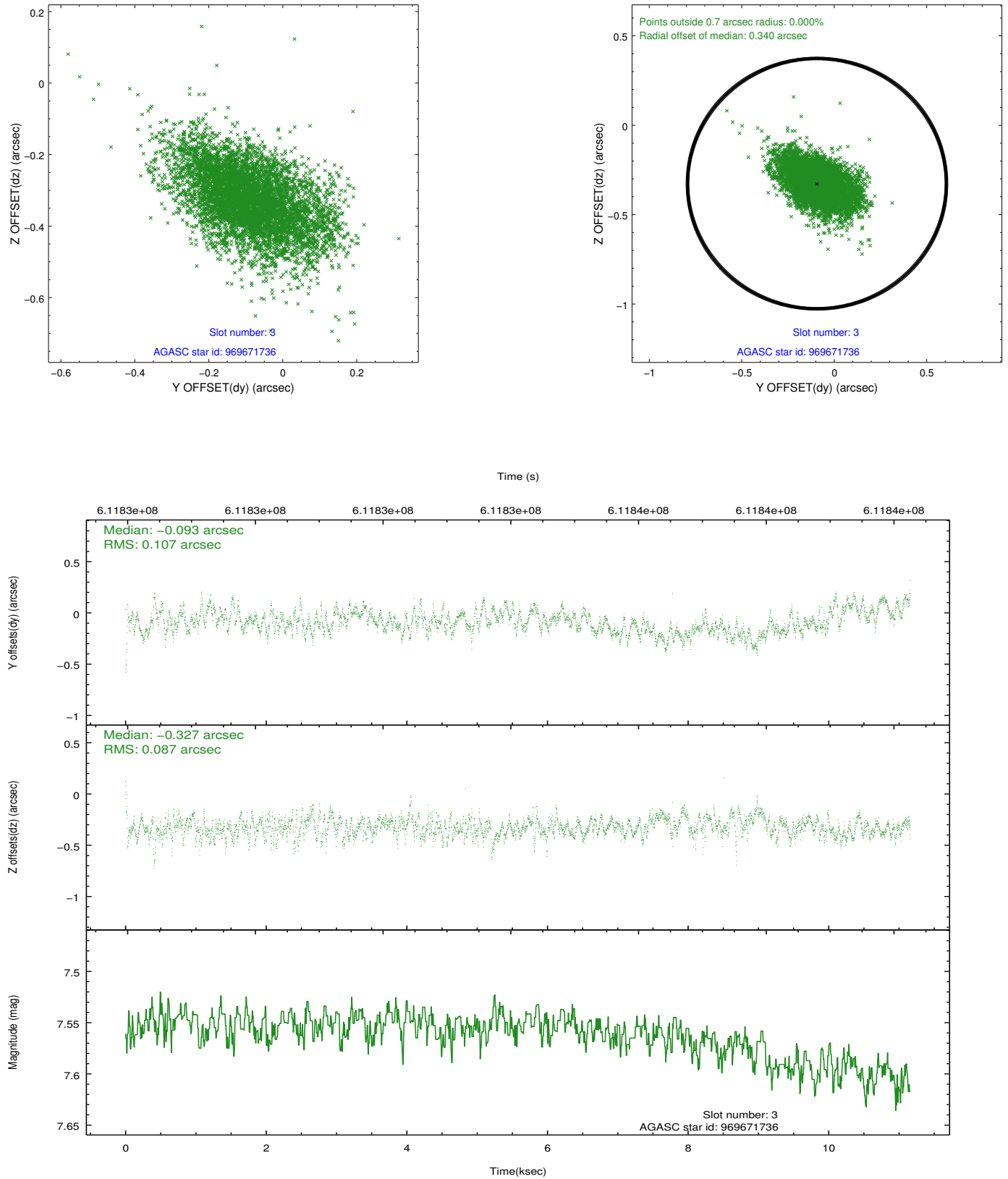


Slot Statistics

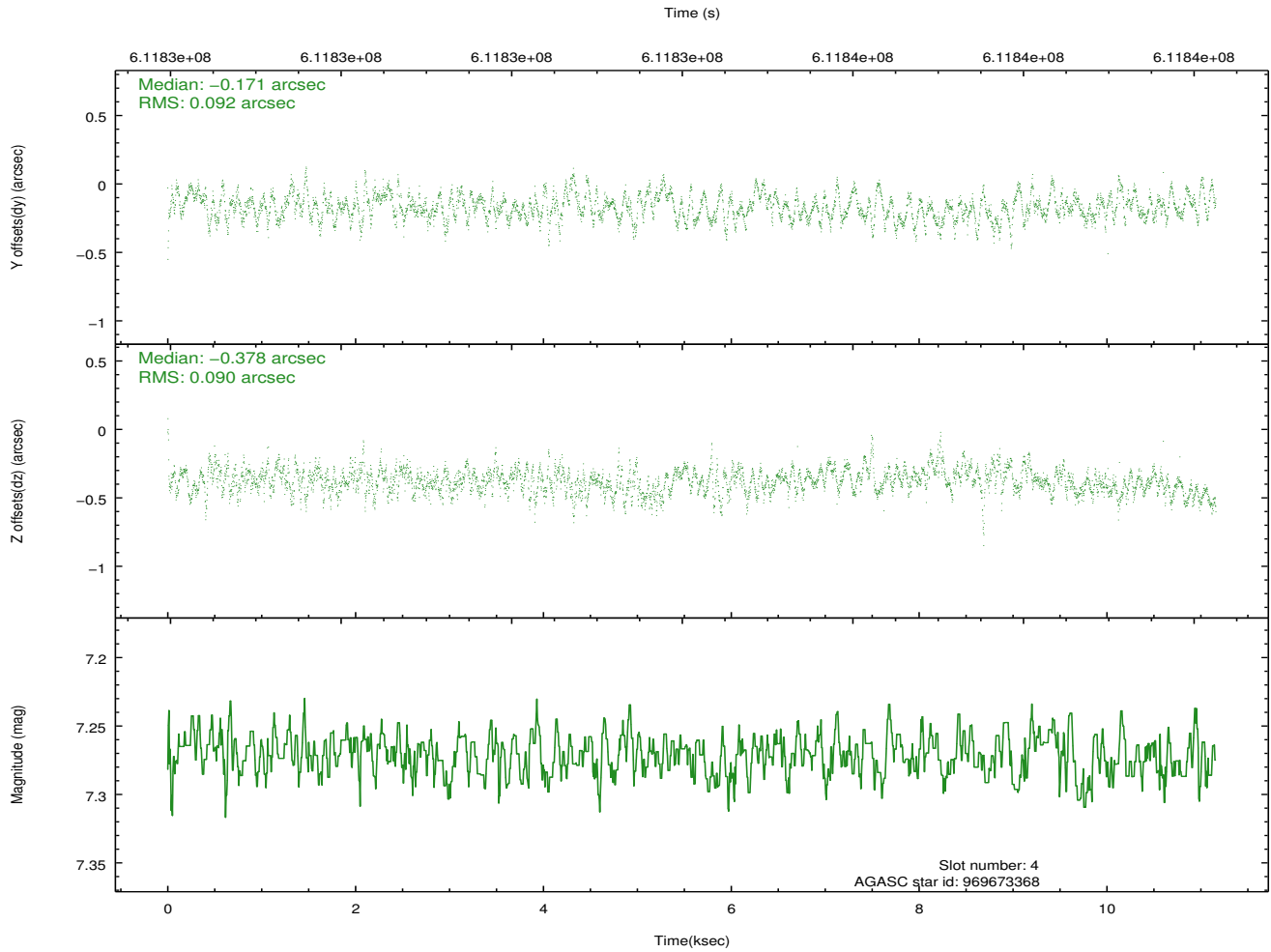
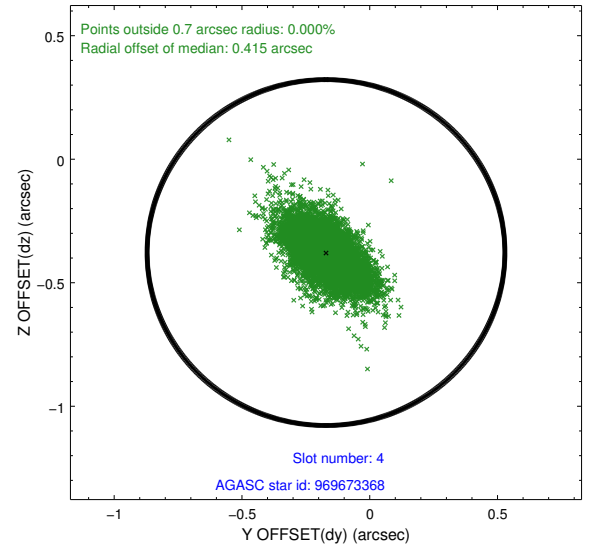
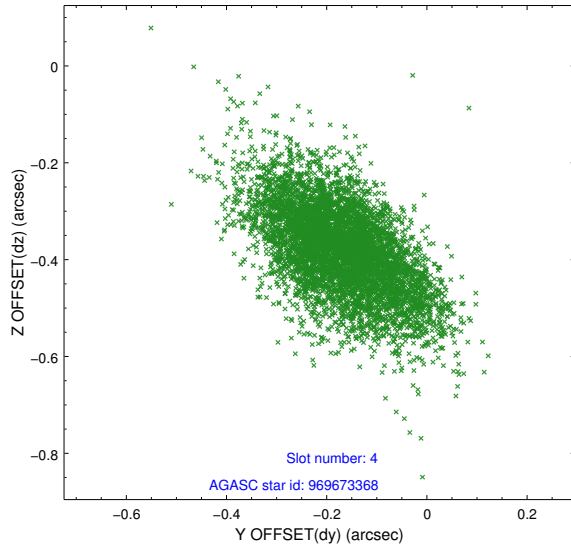
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.08	2723	-0.214	-0.097	0.008	0.014	0.000000	0.000000	-770.74	-1741.61
1	FID		ACIS-S-4	7.19	2722	0.522	0.129	0.006	0.012	0.000000	0.000000	2143.02	166.68
2	FID		ACIS-S-5	7.17	2723	-0.340	-0.023	0.009	0.016	0.000000	0.000000	-1823.16	160.64
3	GUIDE	used	969671736	7.56	5439	-0.093	-0.327	0.141	0.245	278.521339	-32.961135	-164.31	1269.46
4	GUIDE	used	969673368	7.27	5445	-0.171	-0.378	0.132	0.229	278.860733	-32.890751	364.16	354.84
5	GUIDE	used	969682904	7.49	5444	-0.028	-0.179	0.142	0.259	278.298892	-33.428263	-1966.35	1441.17
6	GUIDE	used	971423352	7.48	5445	-0.143	0.169	0.158	0.275	279.582511	-32.685816	1667.95	-1545.10
7	GUIDE	used	971381680	9.10	5440	0.426	0.721	0.179	0.298	279.401665	-33.691839	-1962.88	-2000.21

2.4 Star Slots

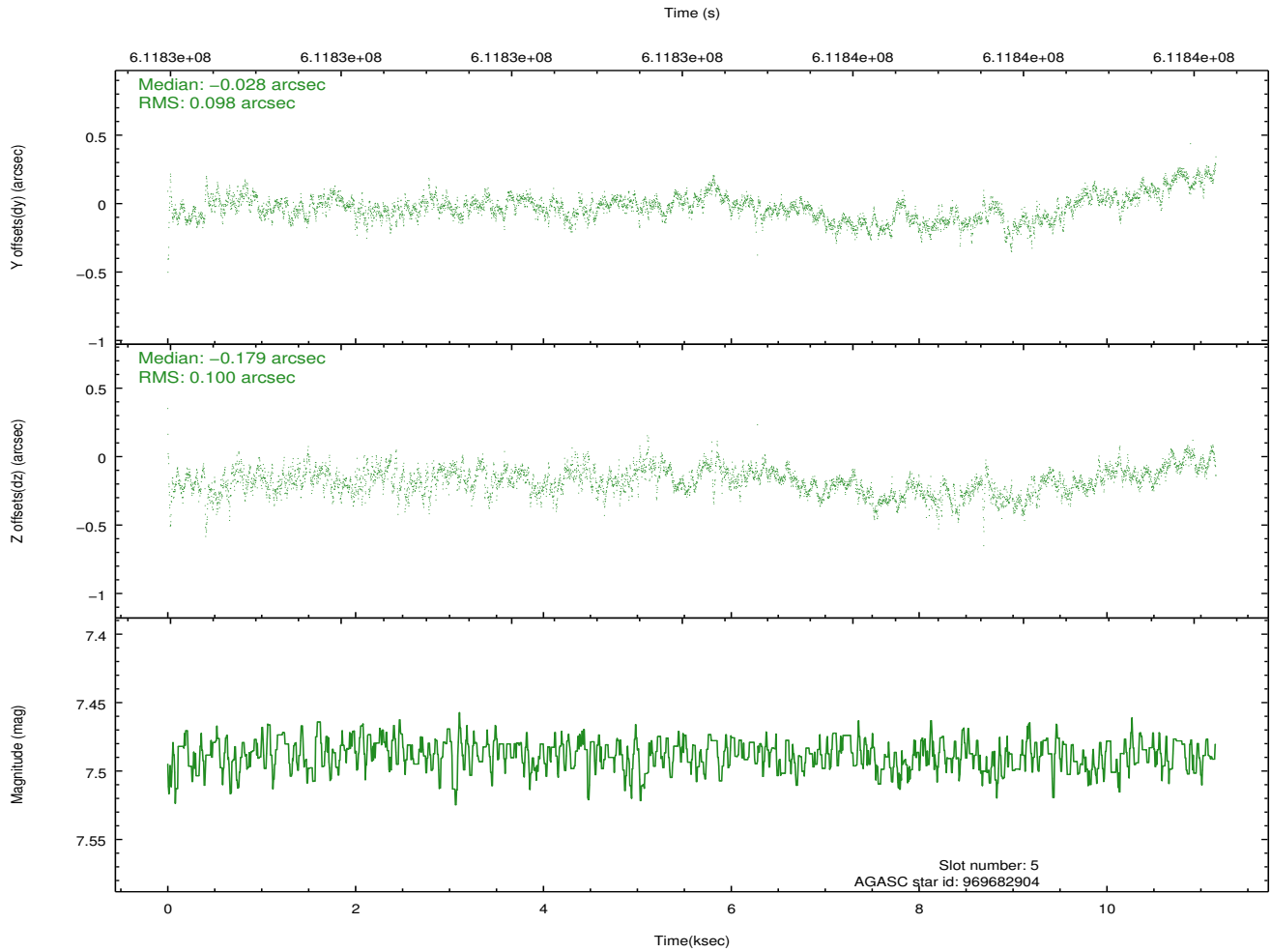
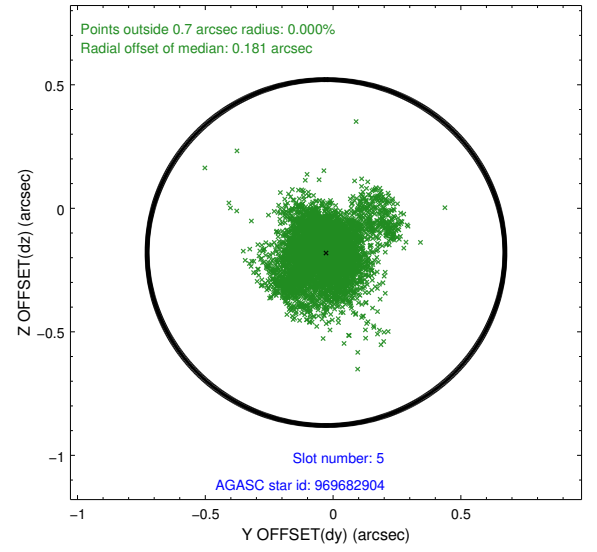
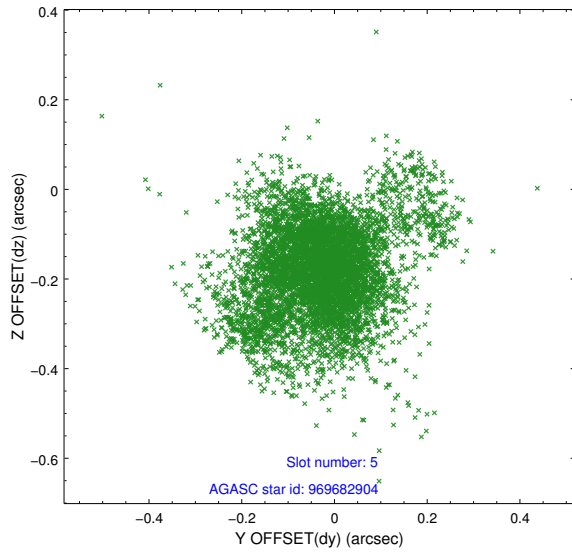
2.4.1 Slot 3



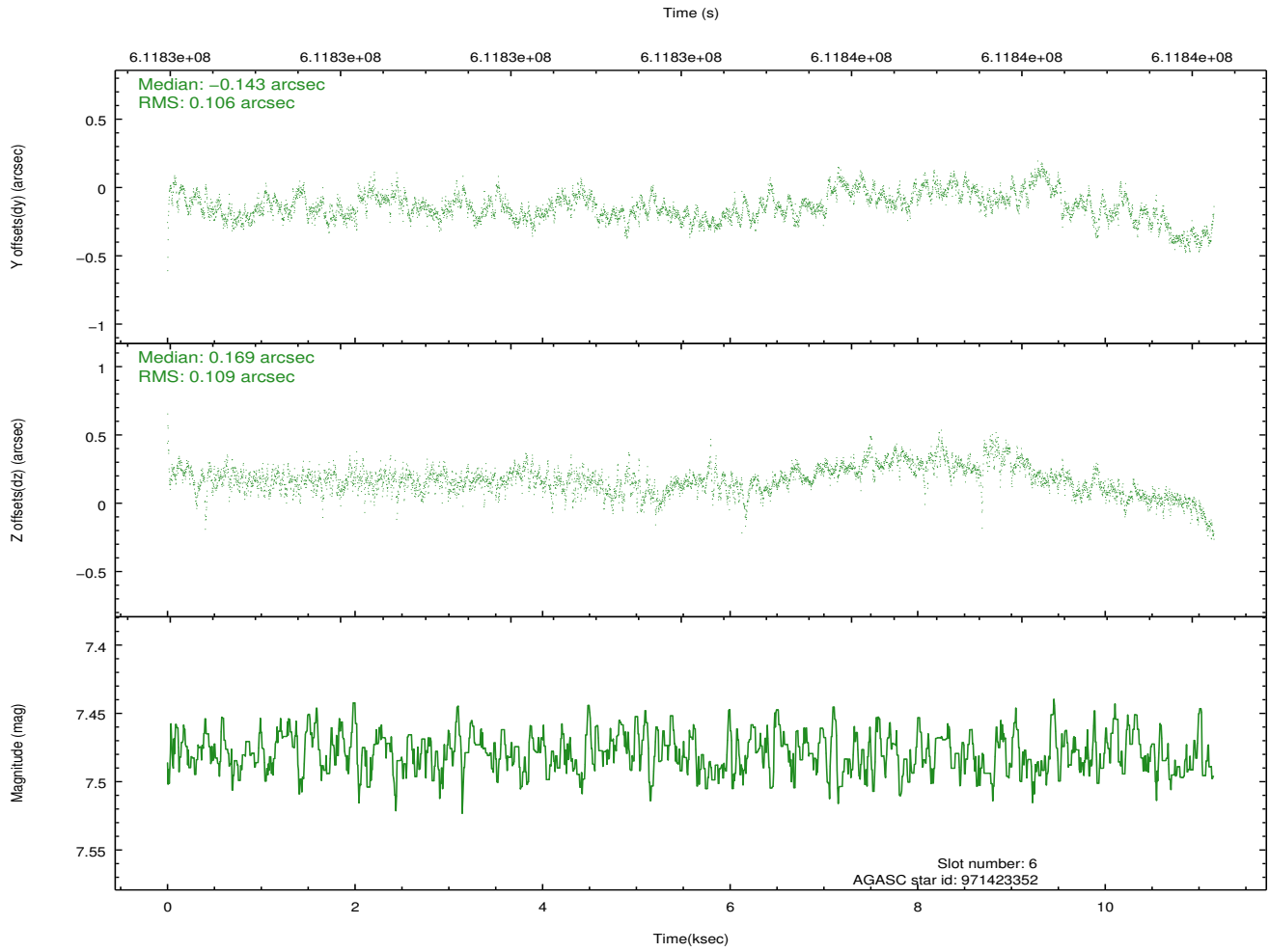
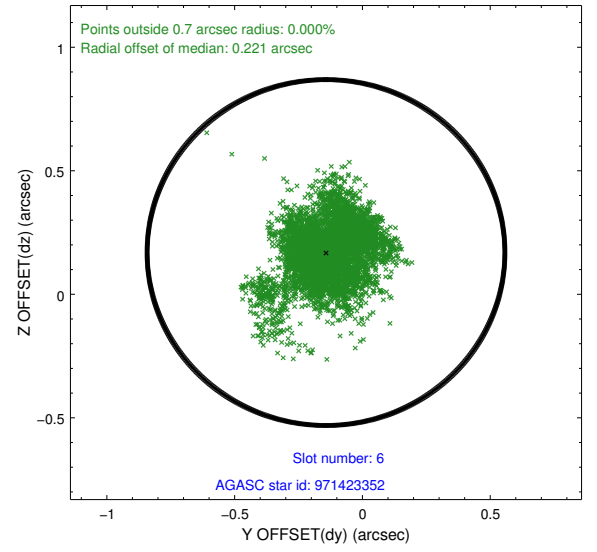
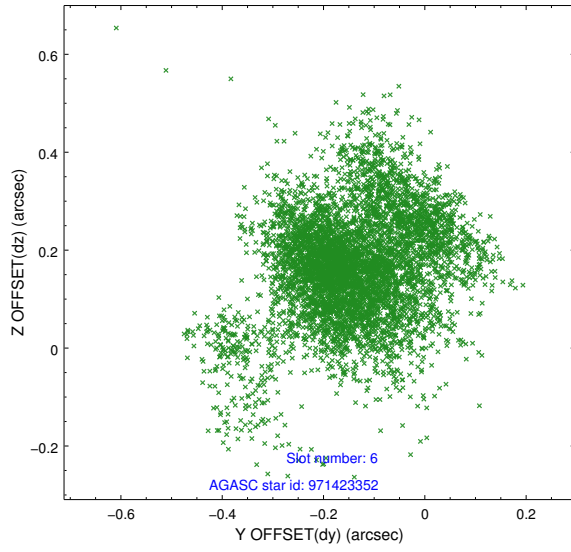
2.4.2 Slot 4



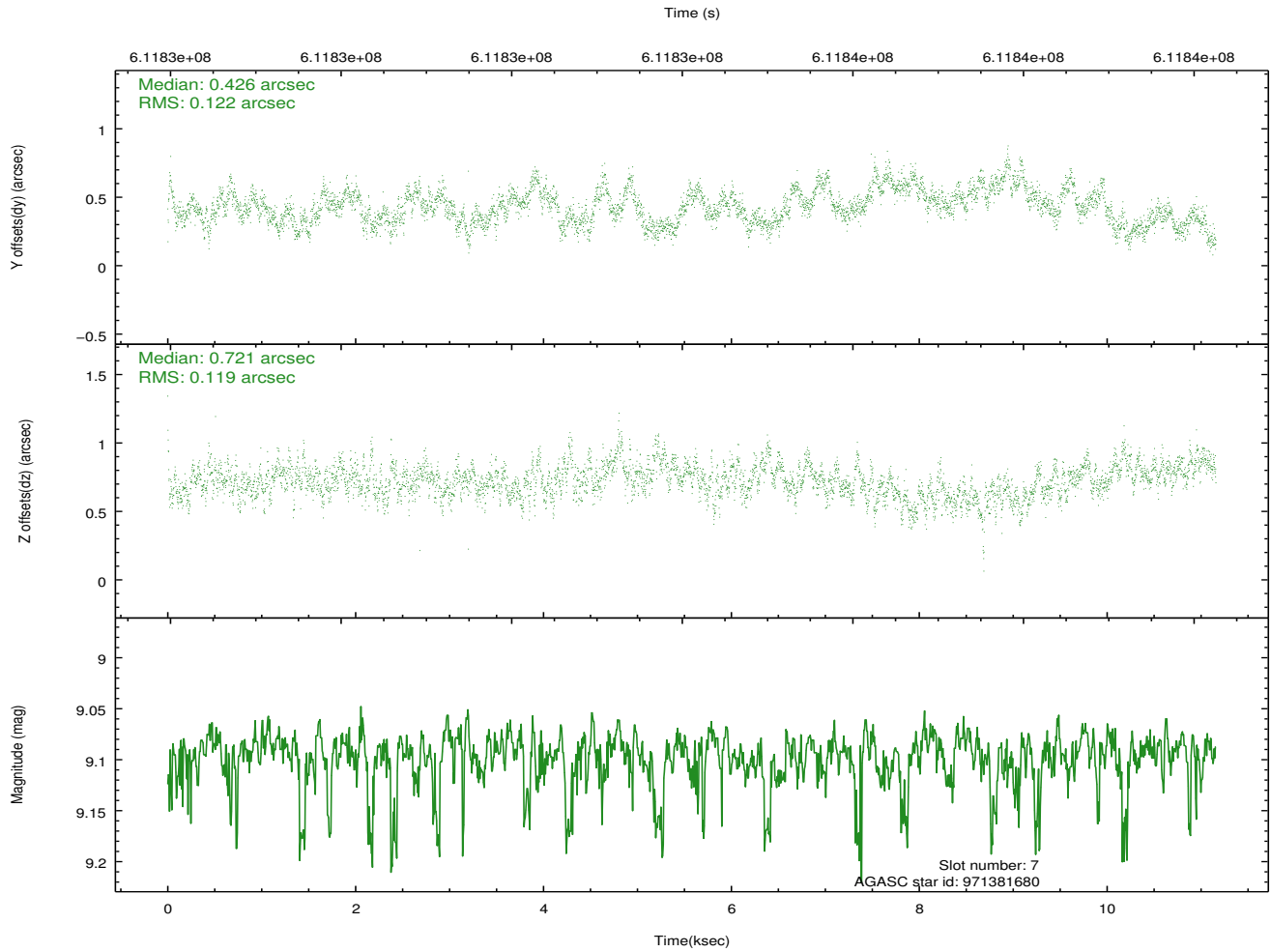
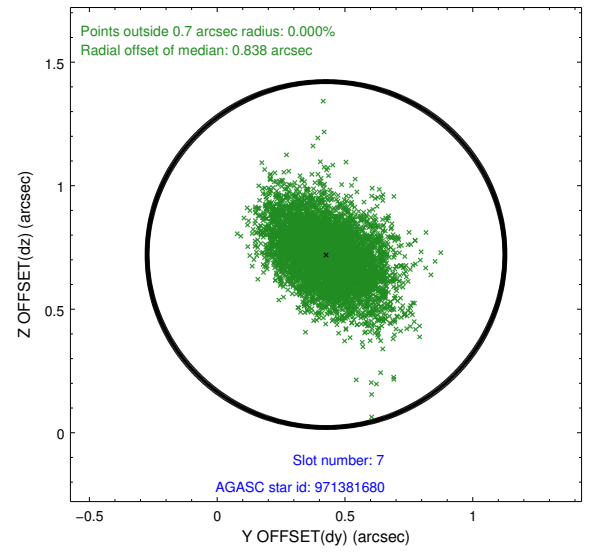
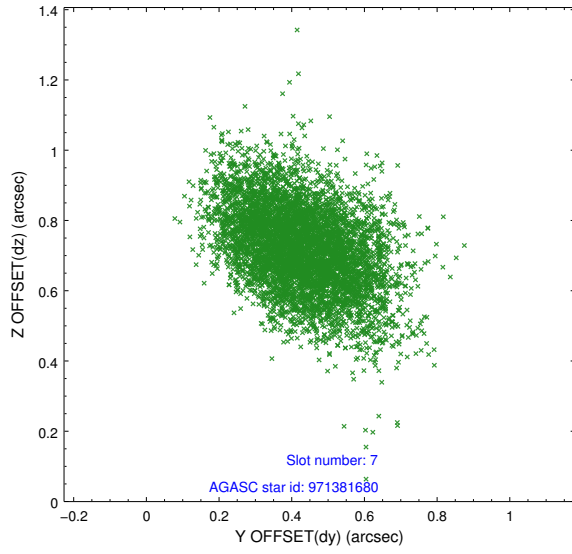
2.4.3 Slot 5



2.4.4 Slot 6

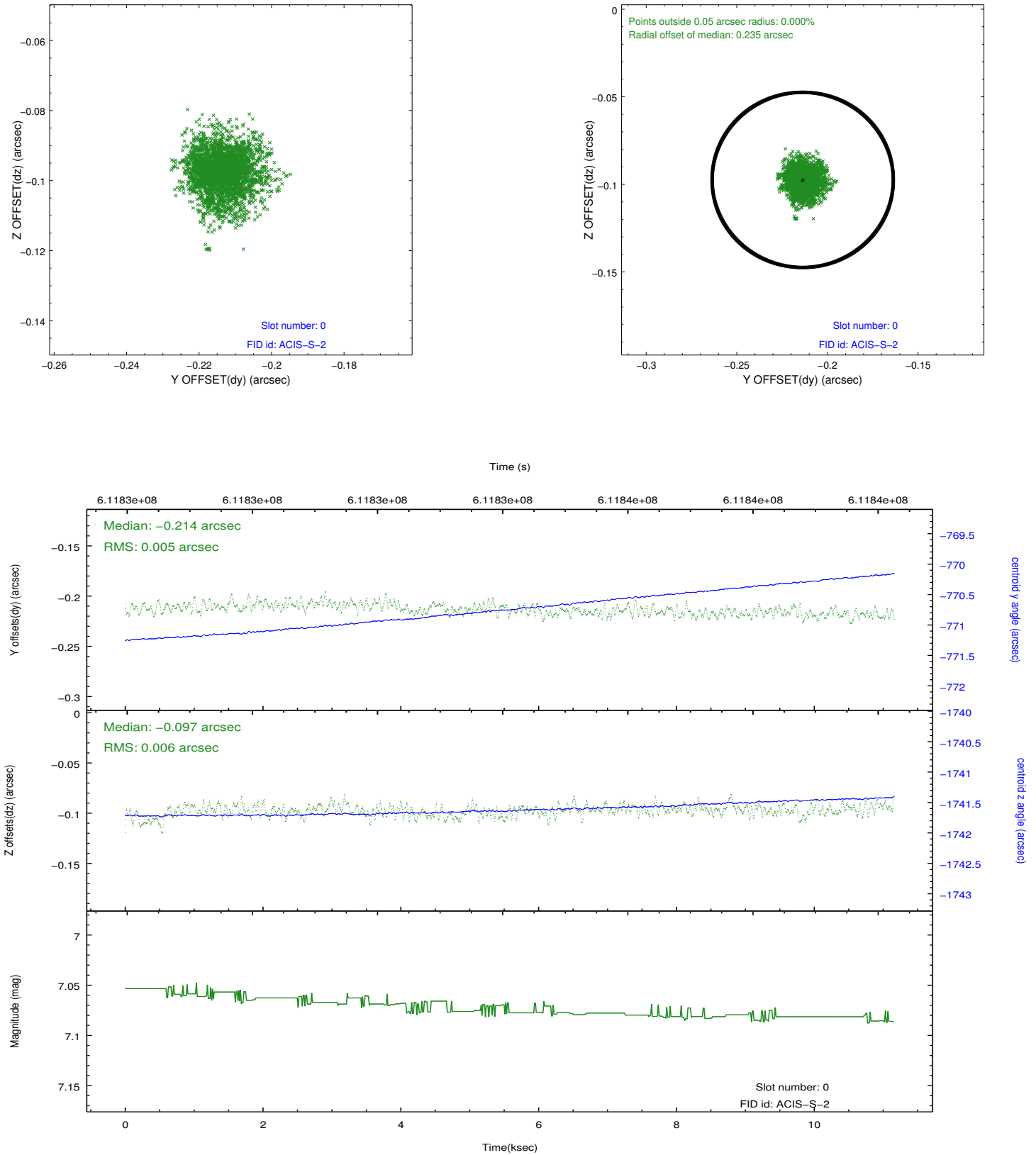


2.4.5 Slot 7

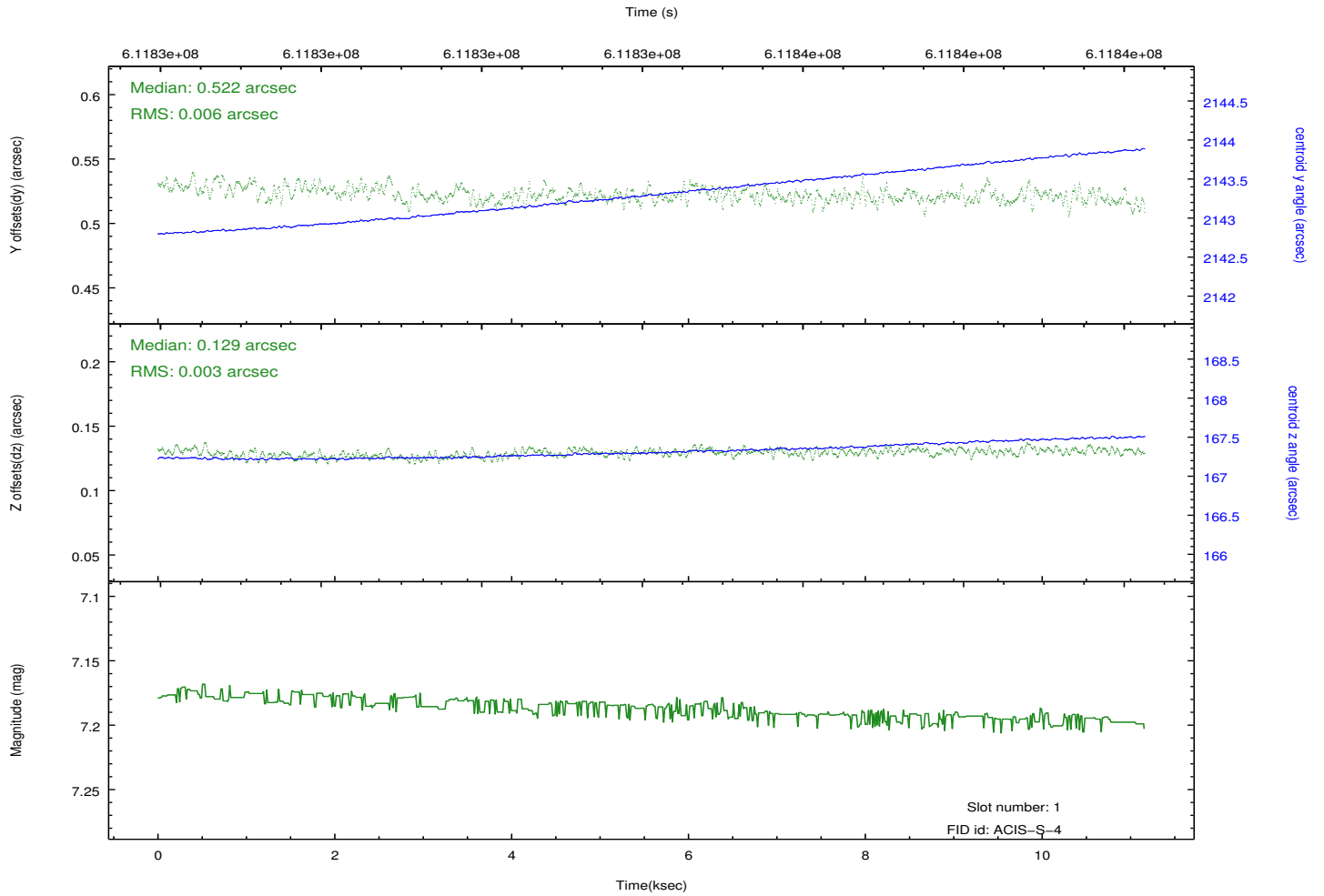
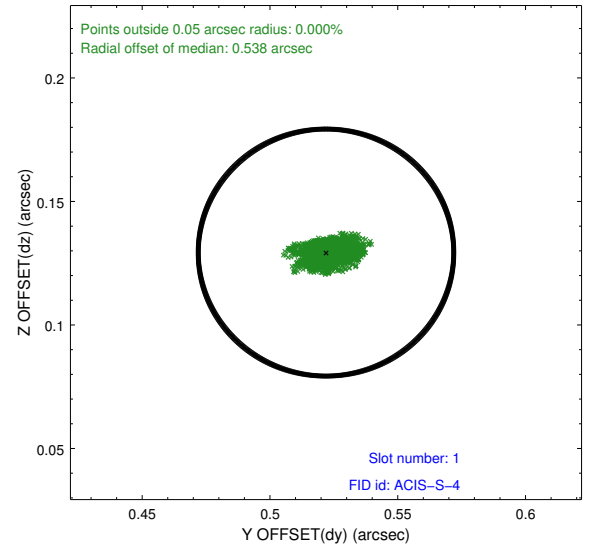
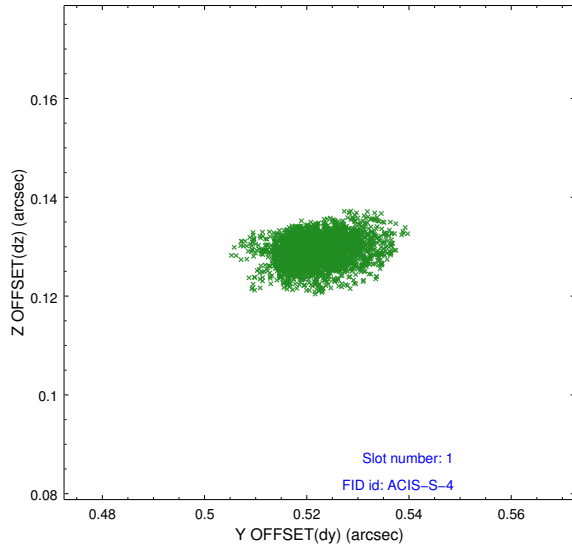


2.5 FID Slots

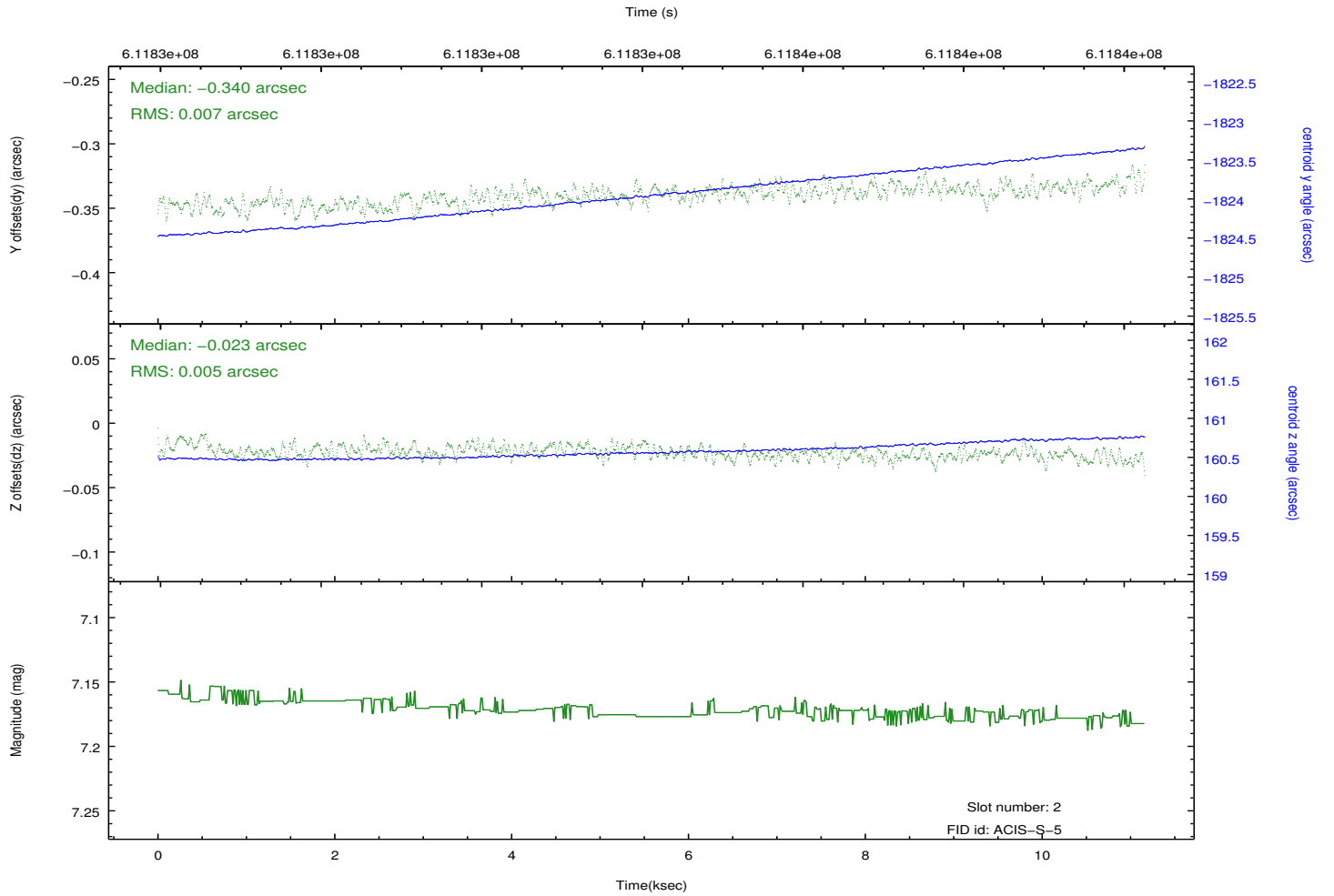
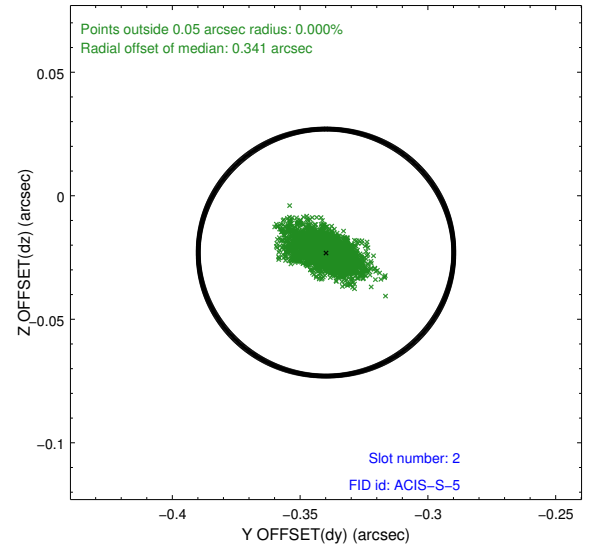
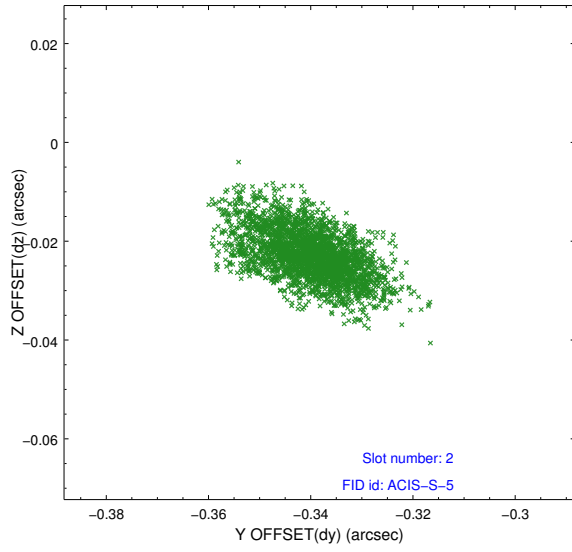
2.5.1 Slot 0



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)	2017.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.069134677649

A.2 Comments

Roll constraint met.