

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19949 - L2 Version 1
Chandra X-Ray Center

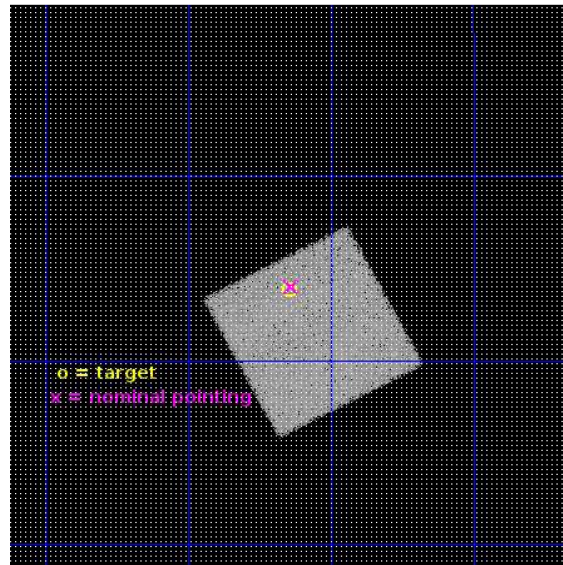
L2 Processing Date : Dec 3 2016

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1 Front

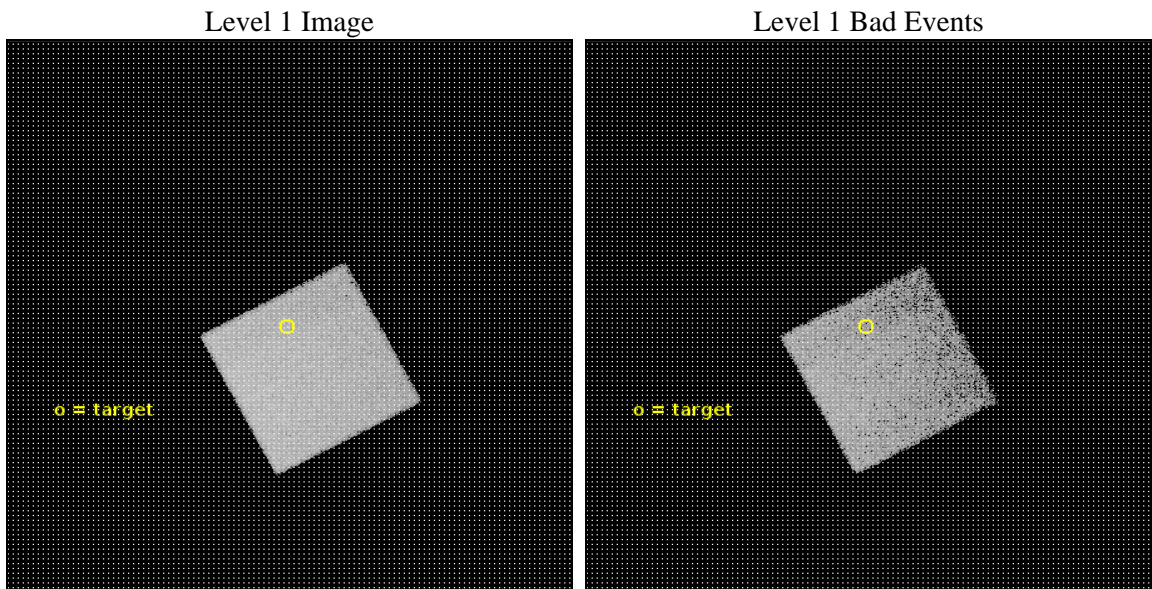
seq_num	300339	Sequence number
obs_id	19949	Observation id
title	Locating the shocks in nova remnants	Proposal title
observer	Dr Thomas Nelson	Principal investigator
object	V959 Mon	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	99.91125	Observer's specified target RA [deg]
dec_targ	5.897778	Observer's specified target Dec [deg]
ra_nom	99.909419658901	Nominal RA [deg]
dec_nom	5.9004619251057	Nominal Dec [deg]
roll_nom	62.156815345926	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20089.752794385	Sum of GTIs [s]
livetime	19818.633882867	Livetime [s]
ontime7	20089.752794385	Sum of GTIs [s]
l2events	74690	Number of level 2 events



2 OBI

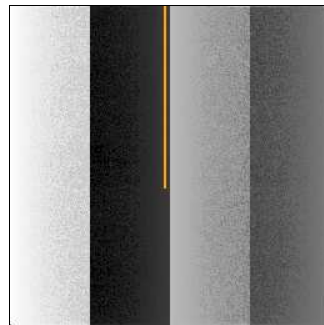
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	20089.752794385	Sum of GTIs [s]
caldbver	4.7.2	 	ontime7	20089.752794385	Sum of GTIs [s]
date	2016-12-03T11:47:12	Date and time of file creation	l1events	176665	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

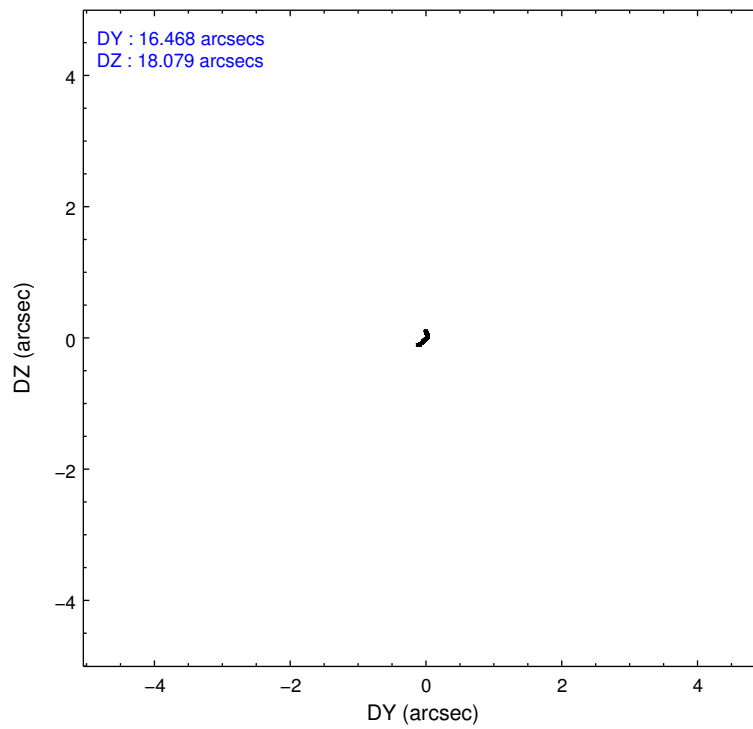
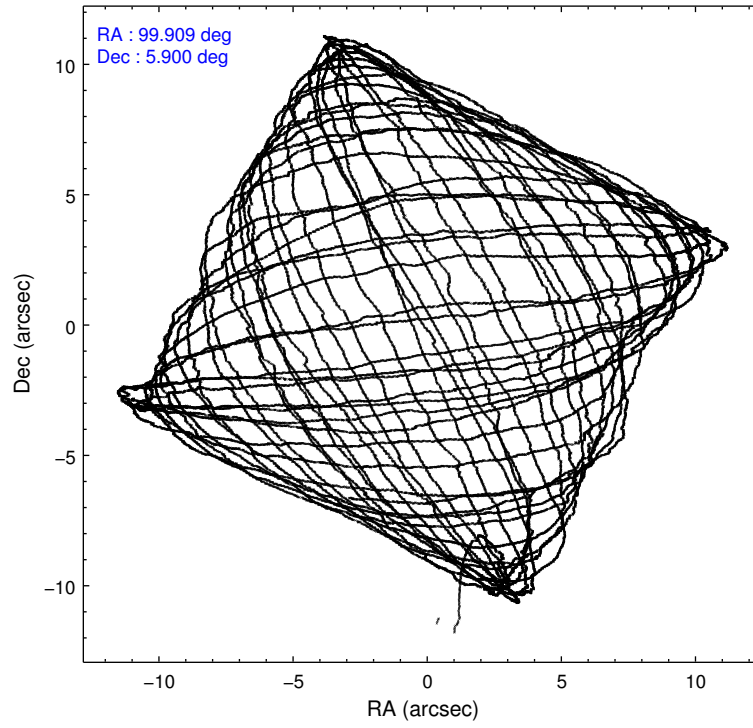
	ccd 7
level 1 events	176665
rejected events	99920
rejected %	56%

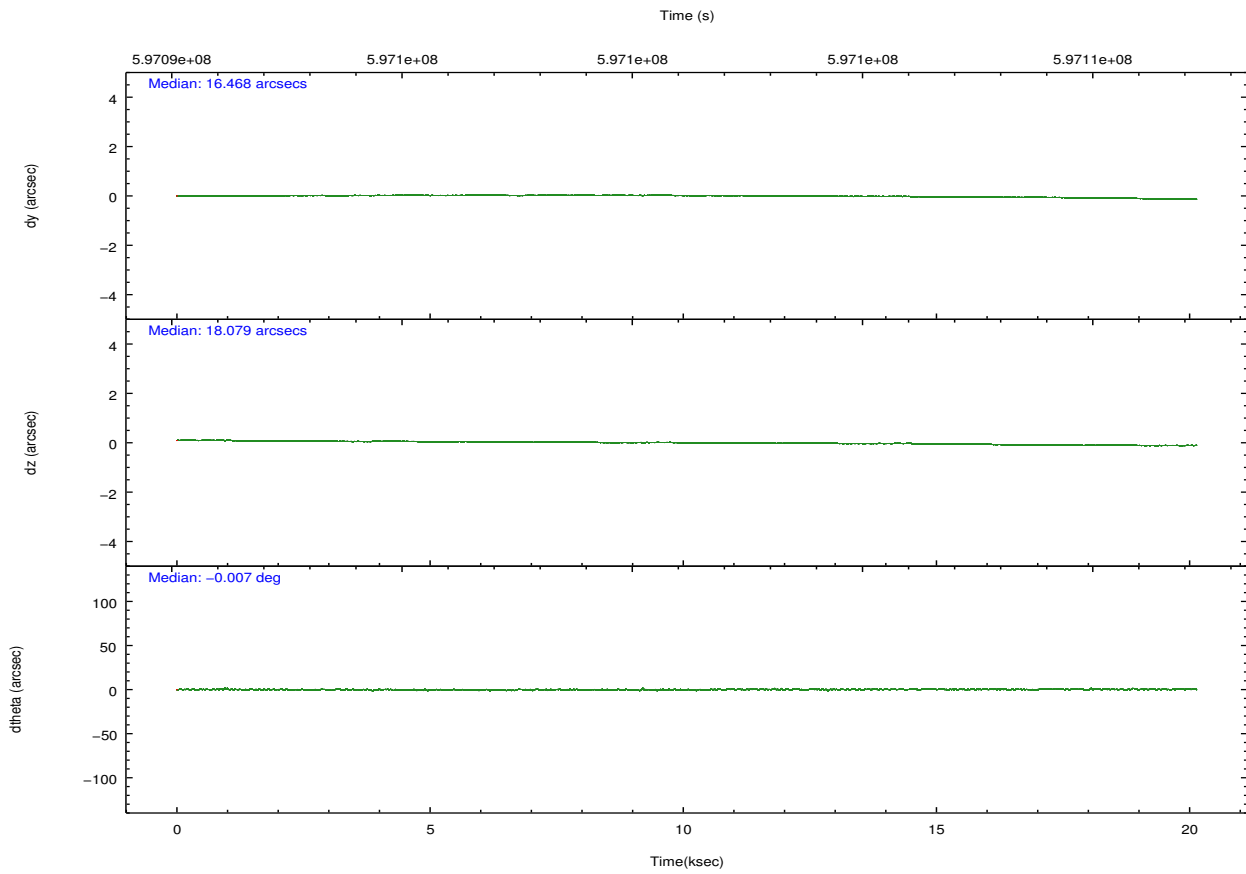
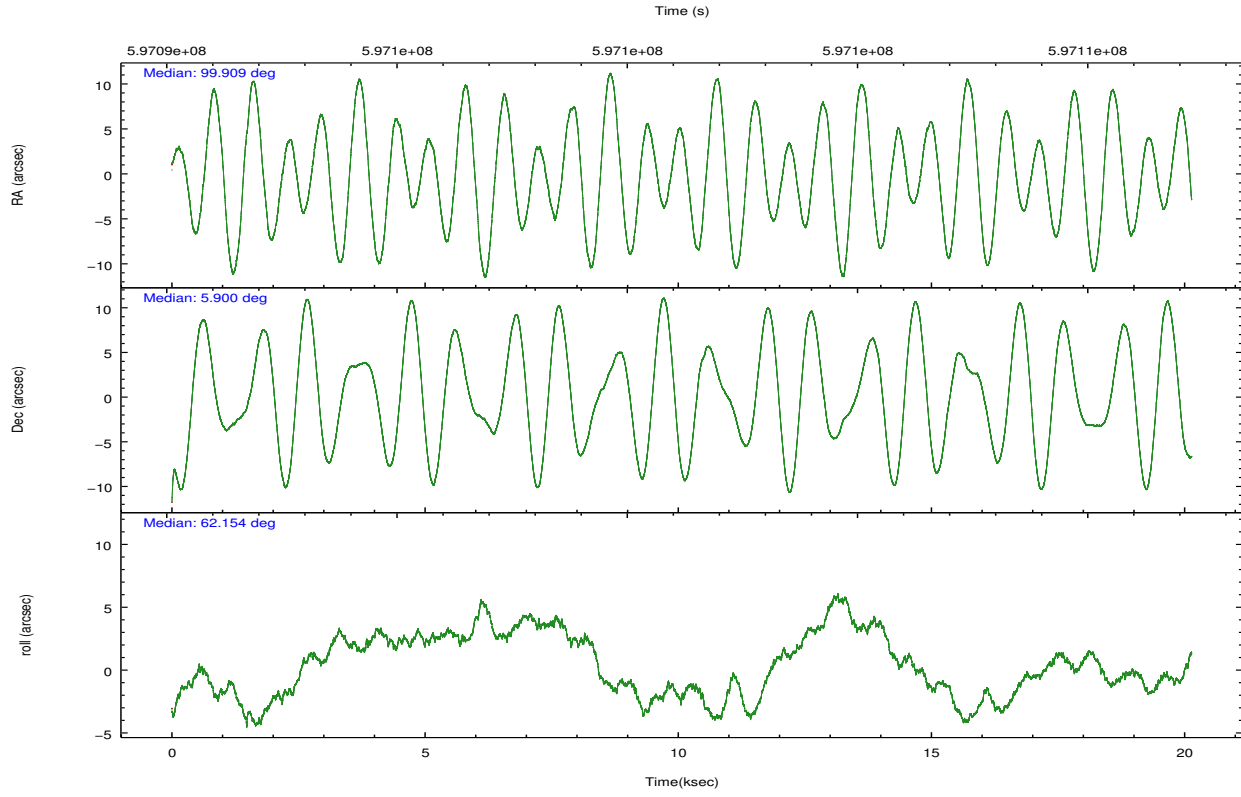
	ccd 7
grade 0 events	6306
	3%
grade 1 events	230
	0%
grade 2 events	16208
	9%
grade 3 events	6074
	3%
grade 4 events	5879
	3%
grade 5 events	16955
	9%
grade 6 events	42296
	23%
grade 7 events	82717
	46%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	99.910814	99.90941965890079	Subarray requested	NONE	NONE
[deg] Pointing Dec	5.873074	5.900461925105652	Alternating exposures requested	N	N
[deg] Pointing Roll	62.000043	62.15681534592613	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	597091241.184000	597089812.84234			
Observation start date	2016-12-02T18:39:33	2016-12-02T18:16:52			
[s] Observation end time (MET)	597111241.184000	597112427.41865			
Observation end date	2016-12-03T00:12:53	2016-12-03T00:33:47			
Read mode	TIMED	TIMED			

2.3 Aspect



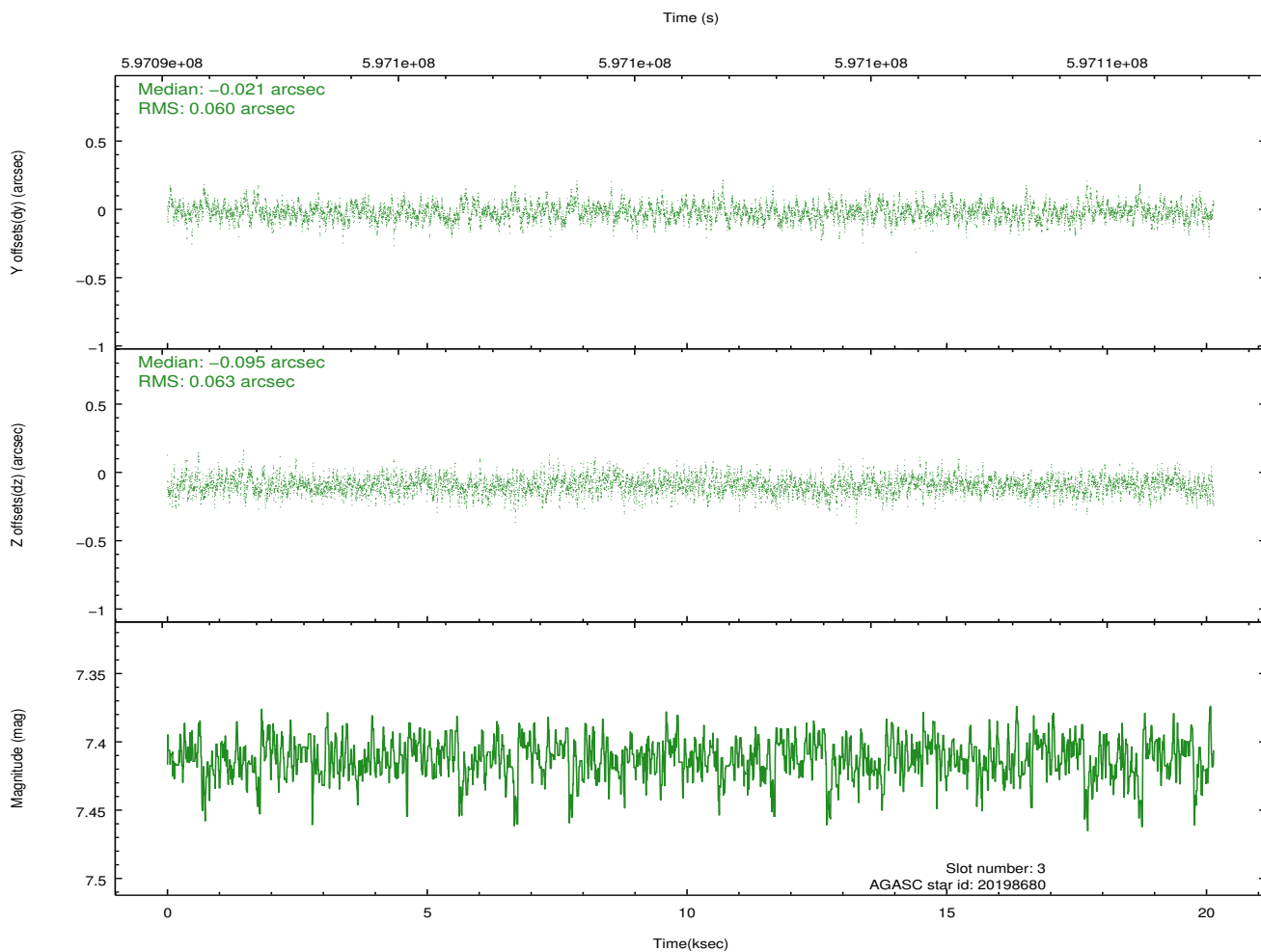
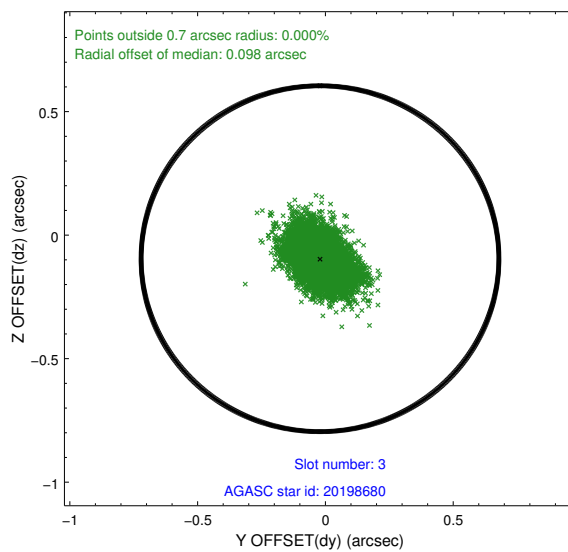
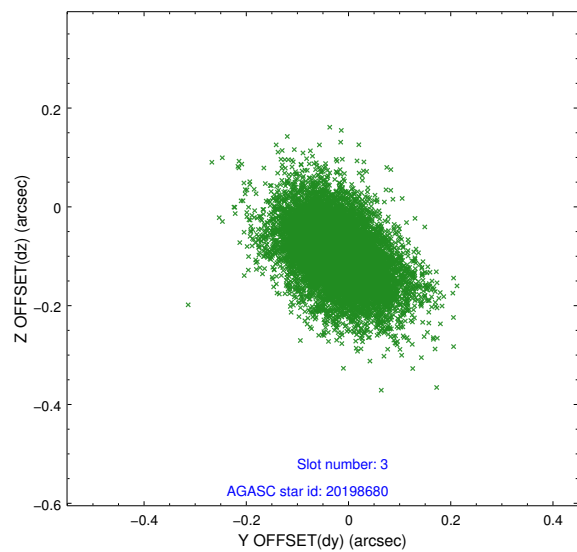


Slot Statistics

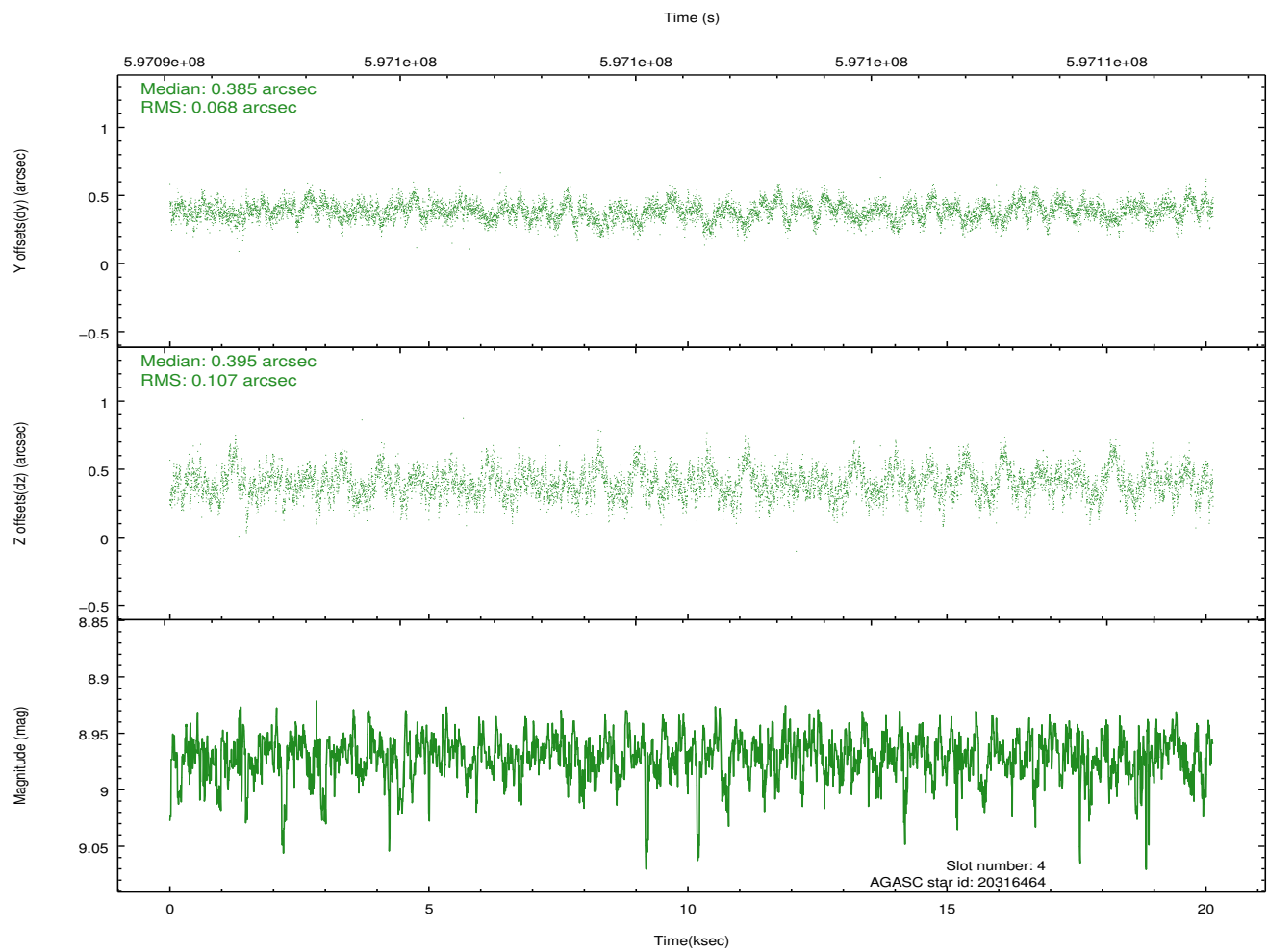
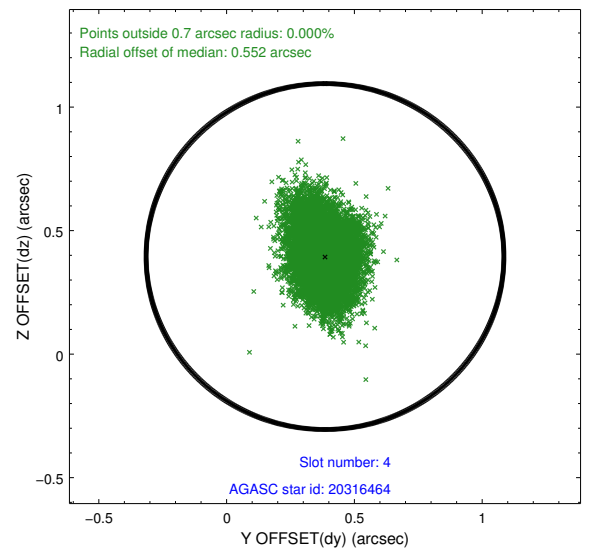
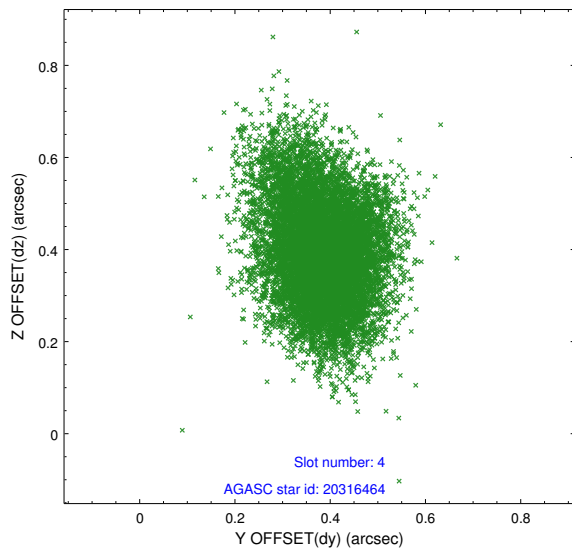
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.16	4913	0.140	-0.056	0.007	0.013	0.000000	0.000000	926.77	-1735.14
1	FID		ACIS-S-5	7.17	4912	-0.284	0.078	0.006	0.011	0.000000	0.000000	-1822.61	162.27
2	FID		ACIS-S-6	7.31	4913	0.122	-0.011	0.008	0.013	0.000000	0.000000	392.02	806.42
3	GUIDE	used	20198680	7.41	9824	-0.021	-0.095	0.090	0.155	99.264537	5.519391	-2210.19	1448.05
4	GUIDE	used	20316464	8.97	9815	0.385	0.395	0.132	0.223	100.282040	5.470405	-654.50	-1854.24
5	GUIDE	used	20341424	8.42	9822	0.283	0.440	0.085	0.143	99.923691	5.185077	-2164.69	-1203.22
6	GUIDE	used	20860472	7.01	9823	-0.153	-0.285	0.100	0.169	100.133111	6.371245	1956.90	139.71
7	GUIDE	used	20864528	7.41	9817	-0.496	-0.462	0.119	0.199	99.593328	6.317246	878.71	1753.73

2.4 Star Slots

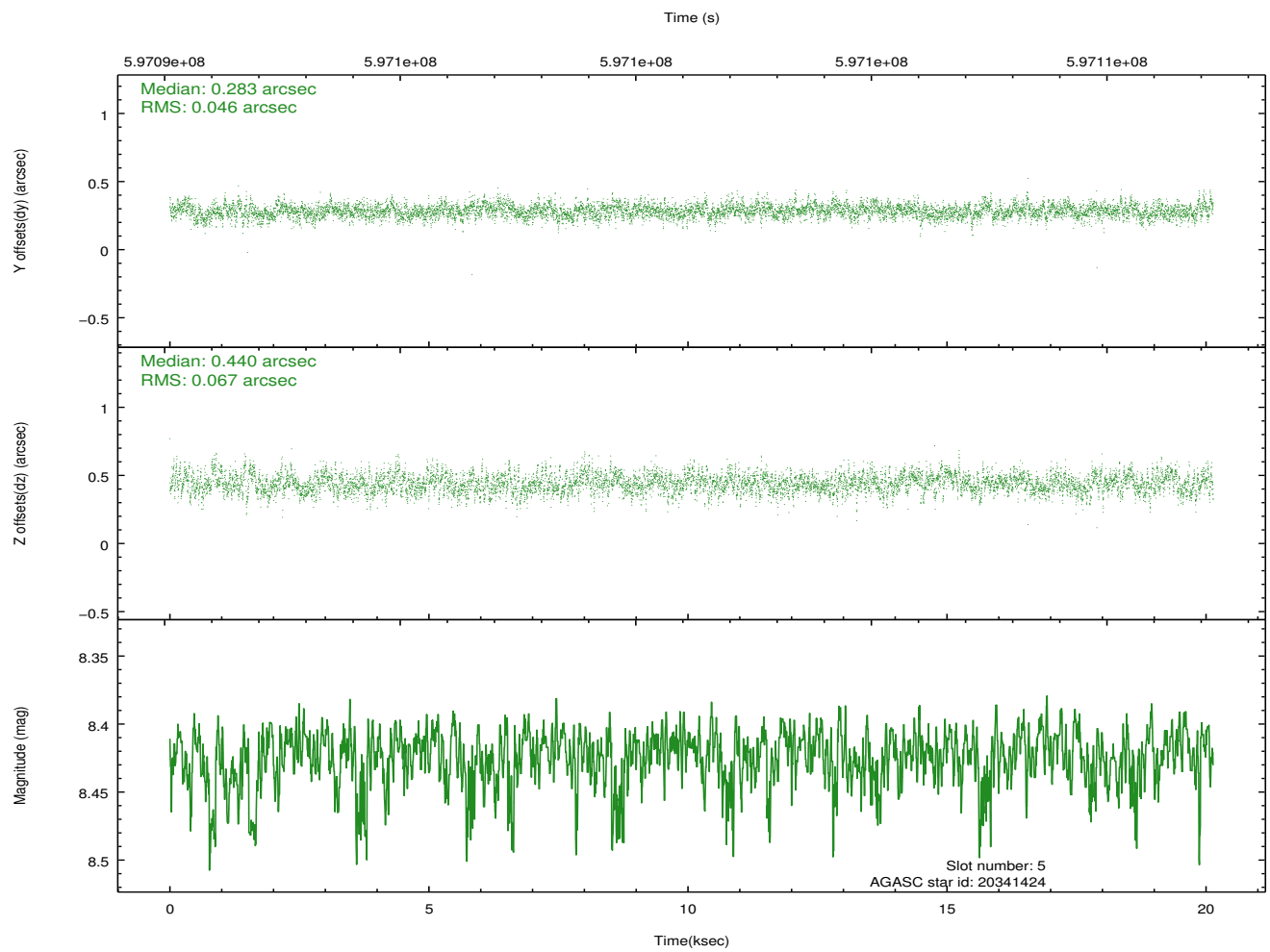
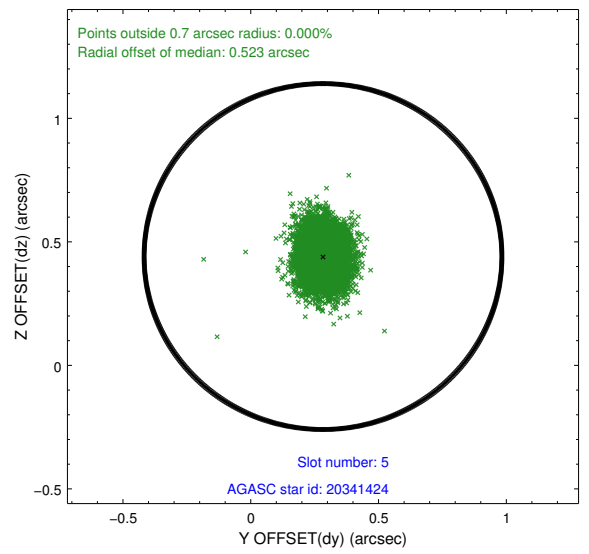
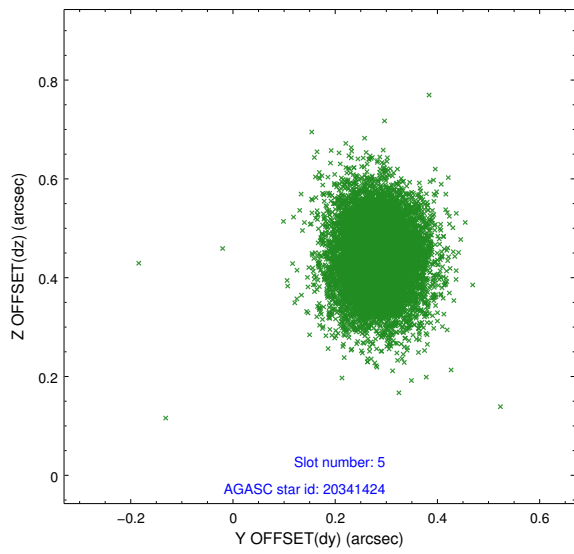
2.4.1 Slot 3



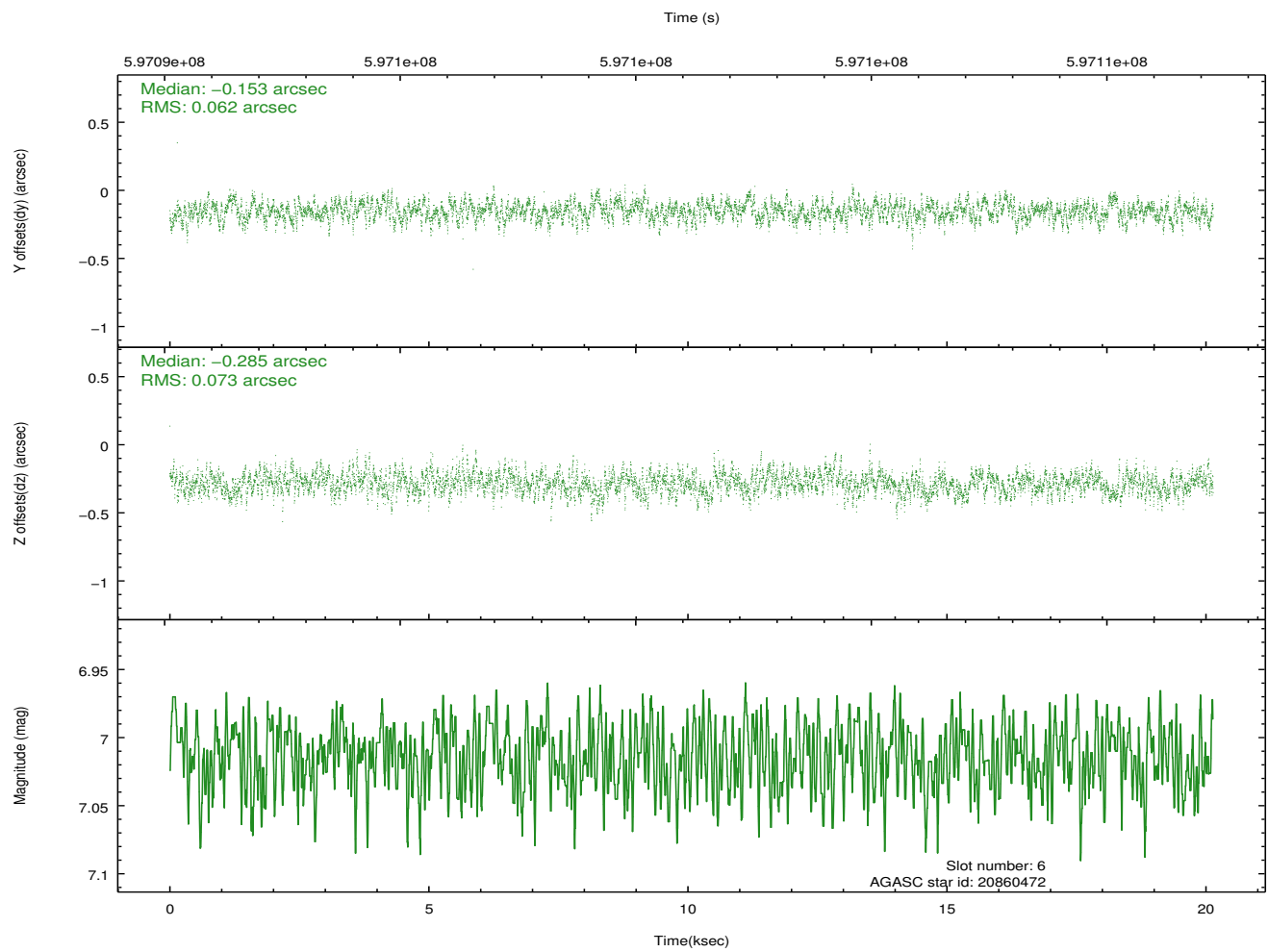
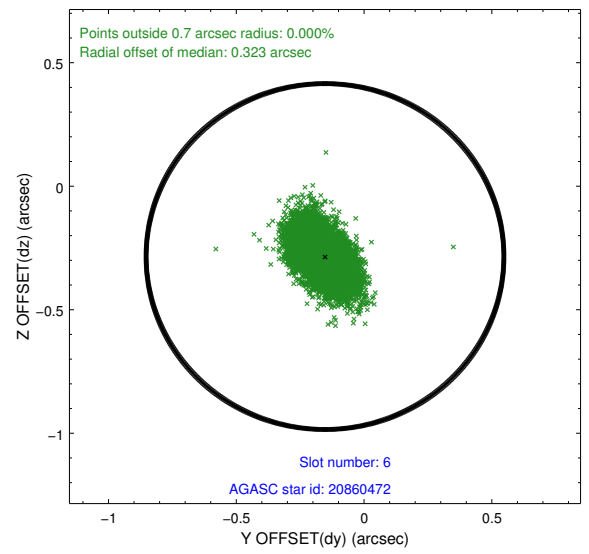
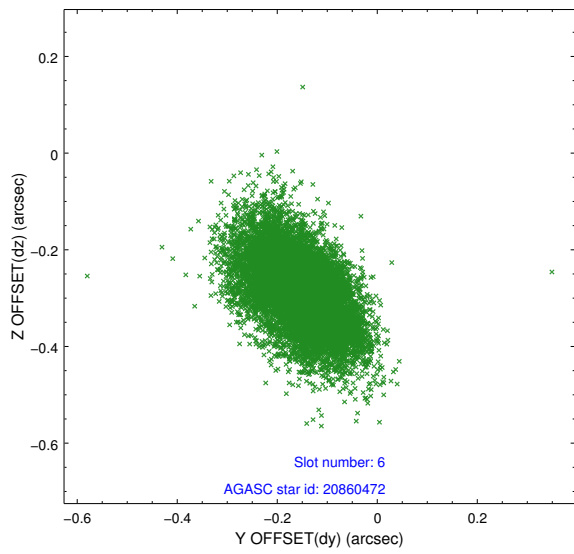
2.4.2 Slot 4



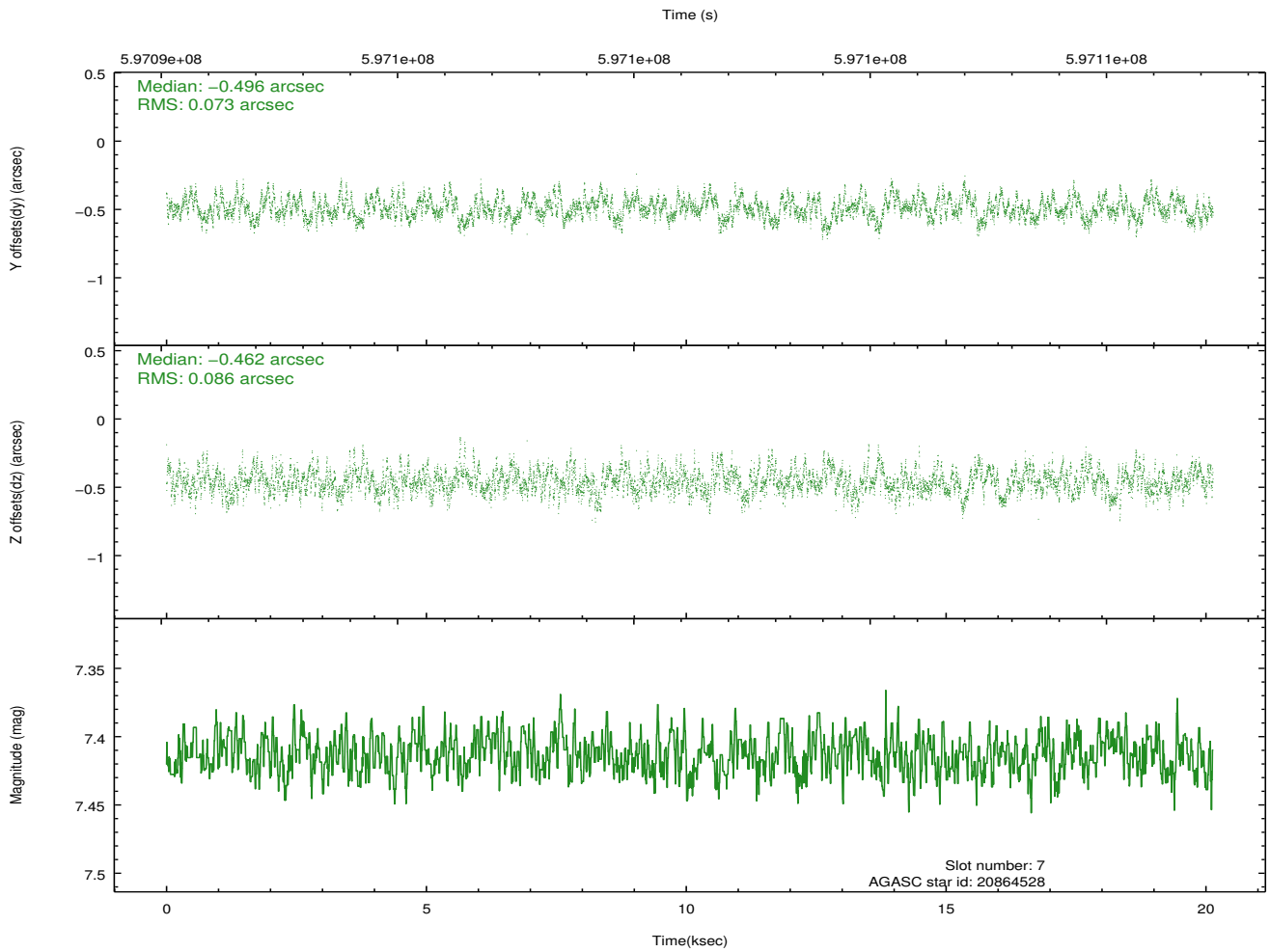
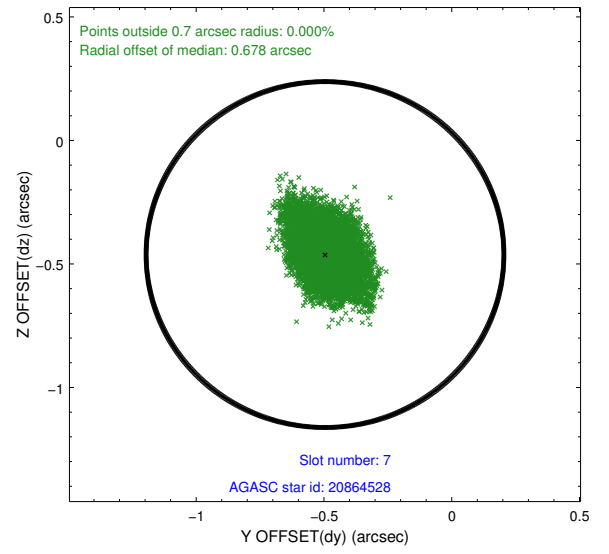
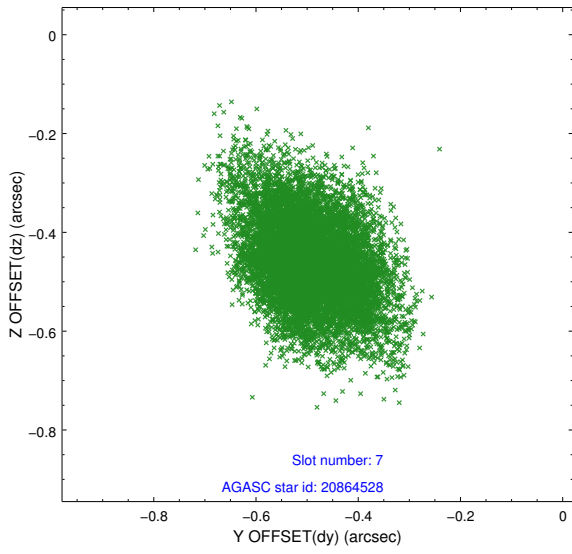
2.4.3 Slot 5



2.4.4 Slot 6

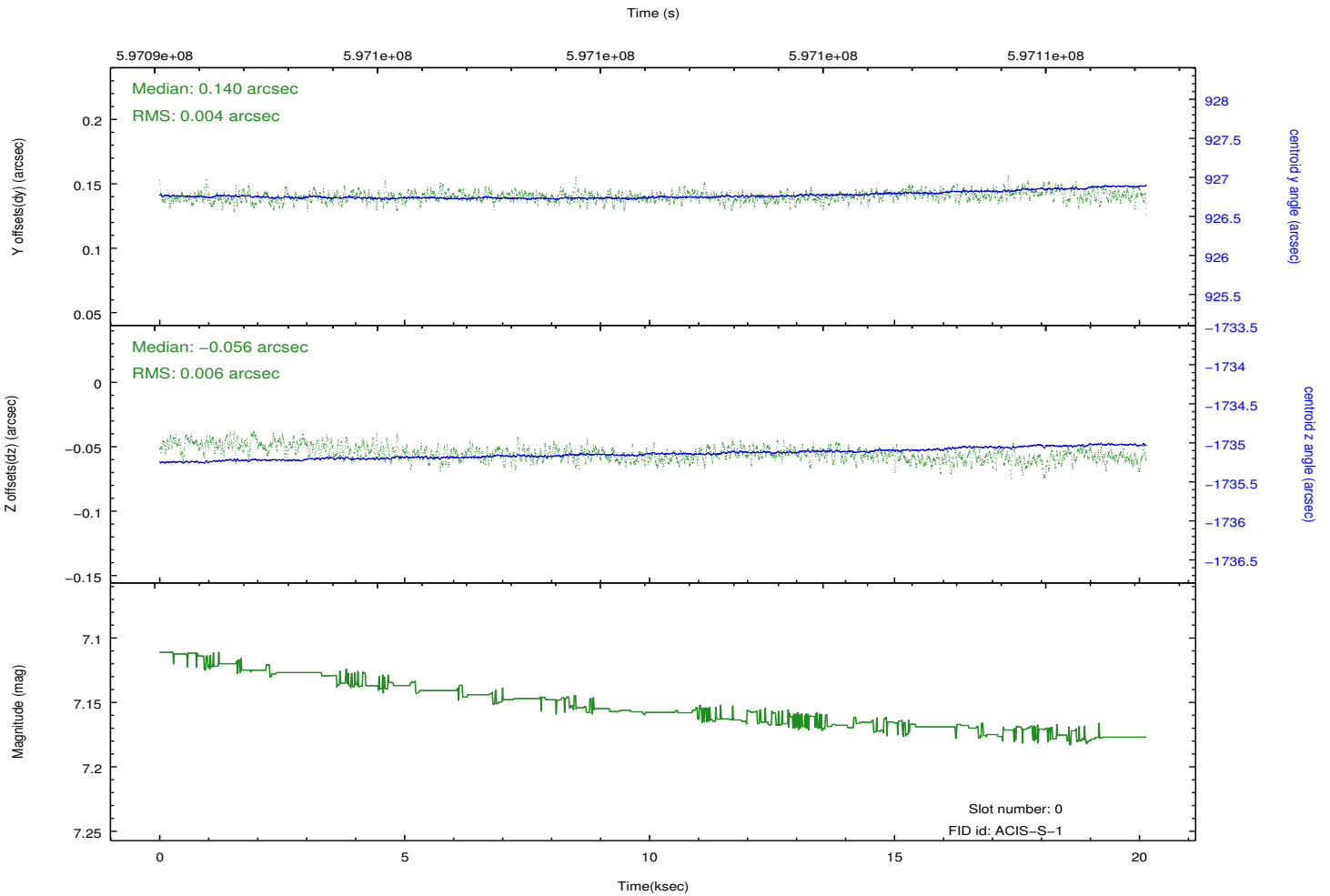
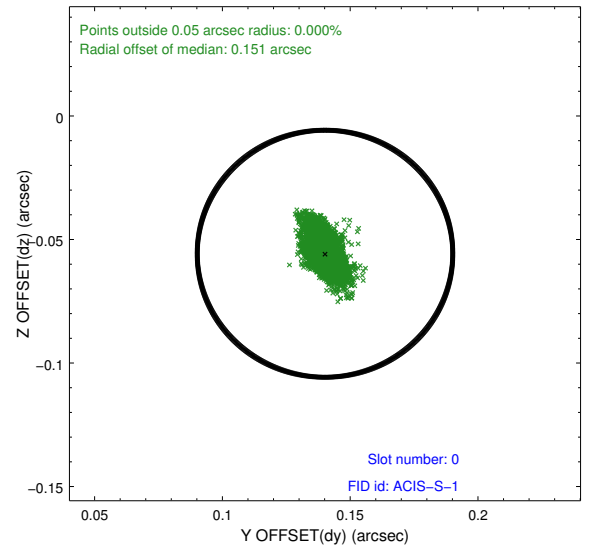
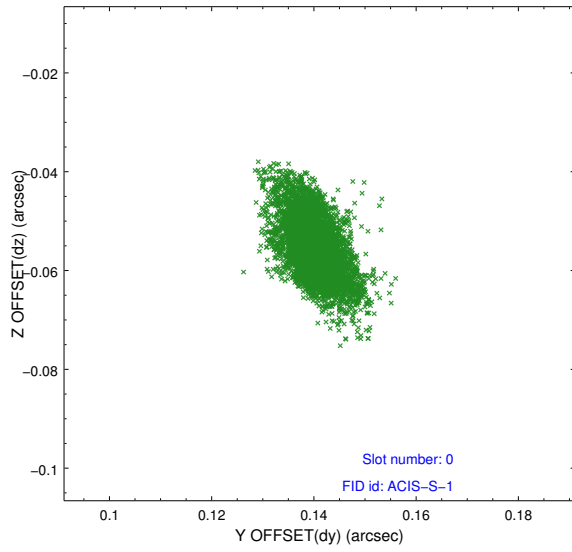


2.4.5 Slot 7

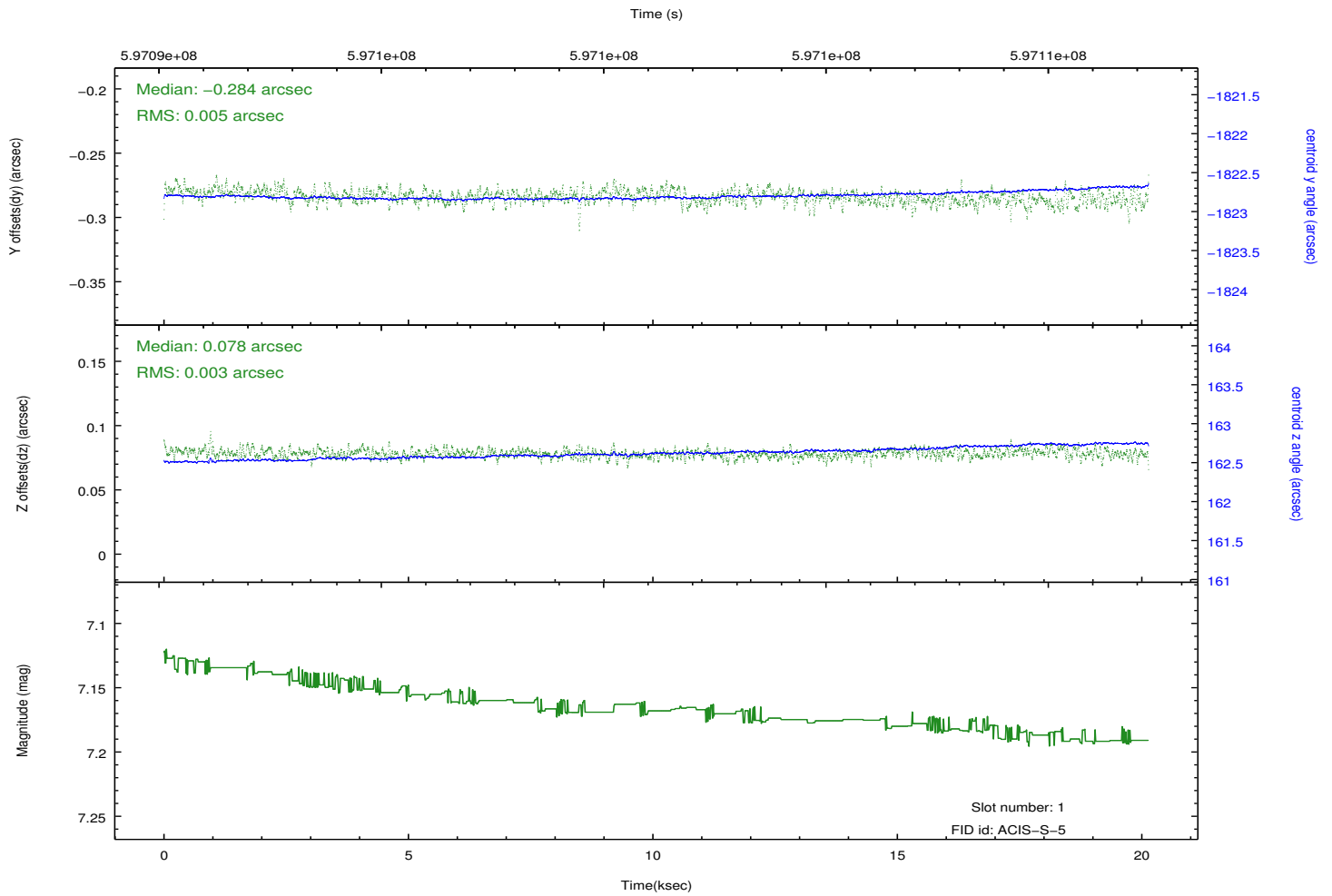
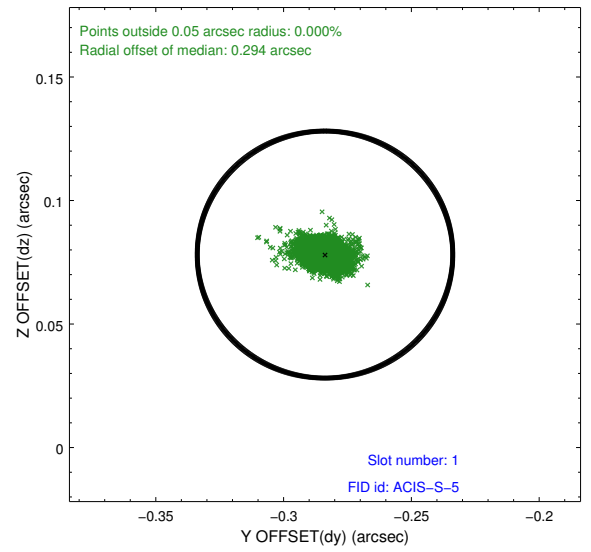
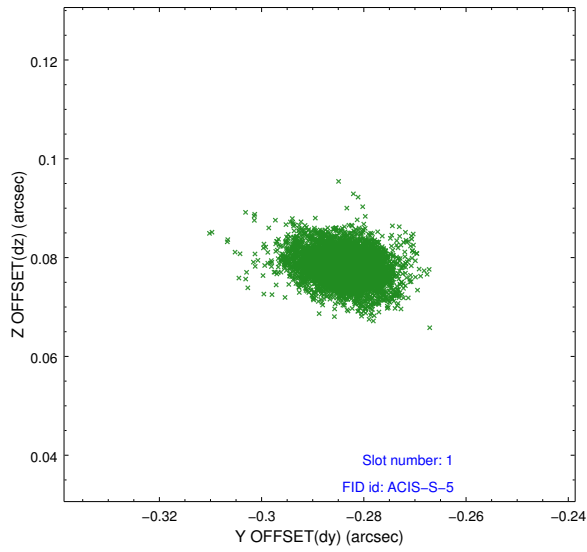


2.5 FID Slots

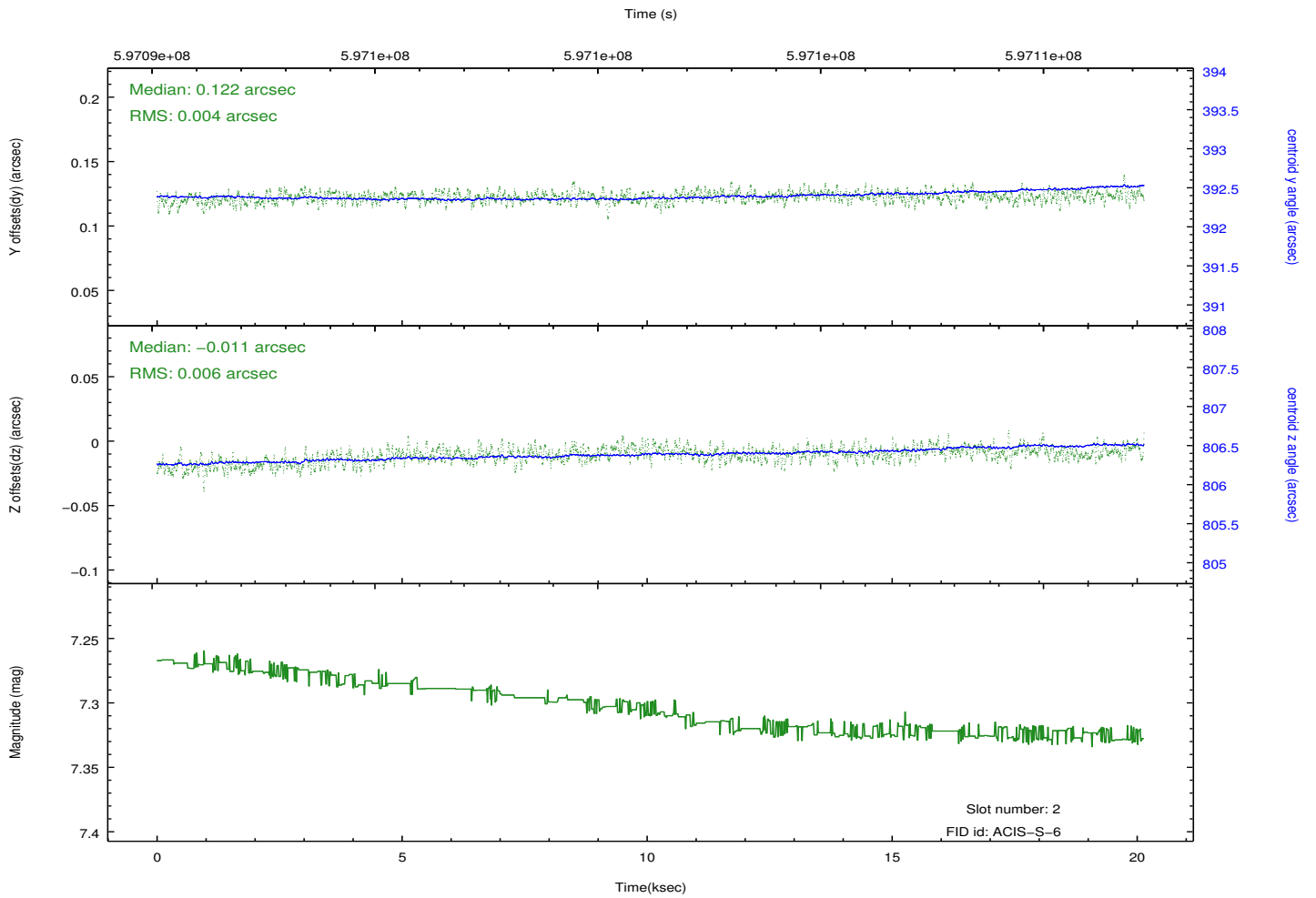
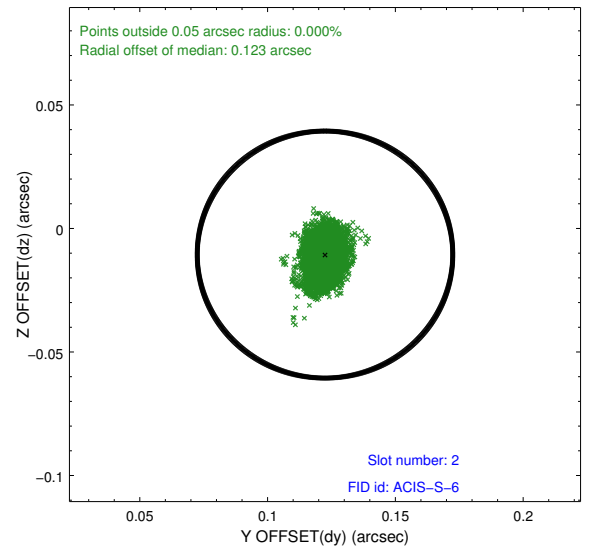
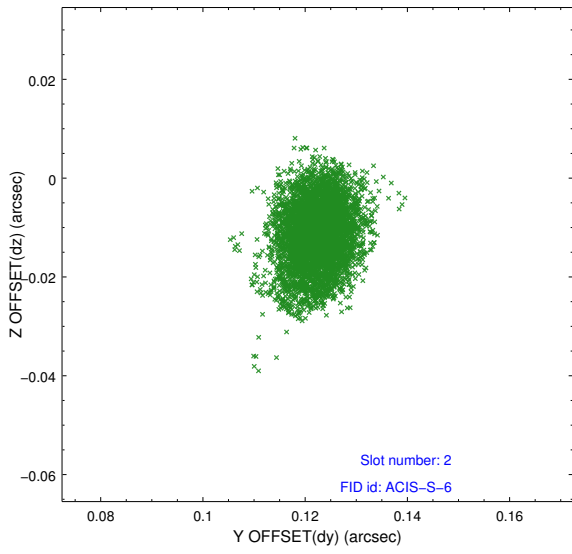
2.5.1 Slot 0



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)	2016.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.089752794385

A.2 Comments