

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 16726 - L2 Version 1
Chandra X-Ray Center

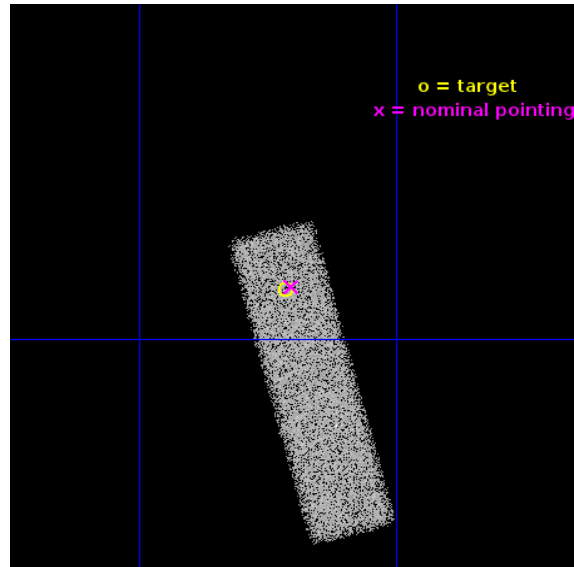
L2 Processing Date : May 22 2016

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1 Front

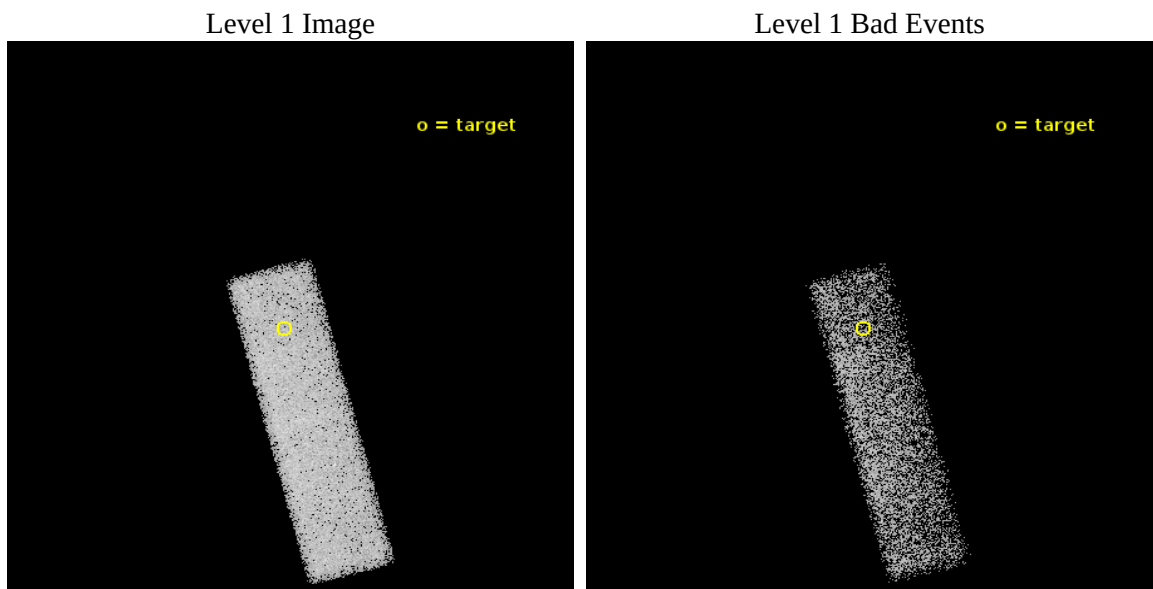
seq_num	401648	Sequence number
obs_id	16726	Observation id
title	Crust cooling of accretion-heated neutron stars	Proposal title
observer	Rudy Wijnands	Principal investigator
object	GRO J1750-27	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.303333	Observer's specified target RA [deg]
dec_targ	-26.644111	Observer's specified target Dec [deg]
ra_nom	267.30087386545	Nominal RA [deg]
dec_nom	-26.642763987119	Nominal Dec [deg]
roll_nom	75.155531264334	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30060.693565845	Sum of GTIs [s]
livetime	28593.830082608	Livetime [s]
ontime7	30060.693565845	Sum of GTIs [s]
l2events	30524	Number of level 2 events



2 OBI

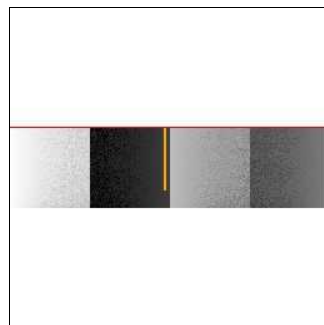
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	30060.693565845	Sum of GTIs [s]
caldsver	4.7.1	 	ontime7	30060.693565845	Sum of GTIs [s]
date	2016-05-22T03:57:09	Date and time of file creation	l1events	63733	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	63733
rejected events	32253
rejected %	50%

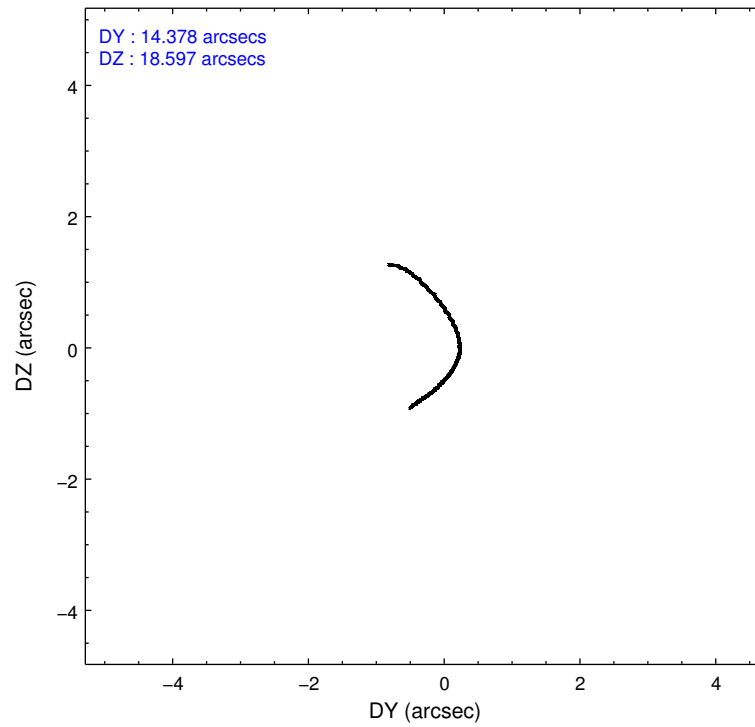
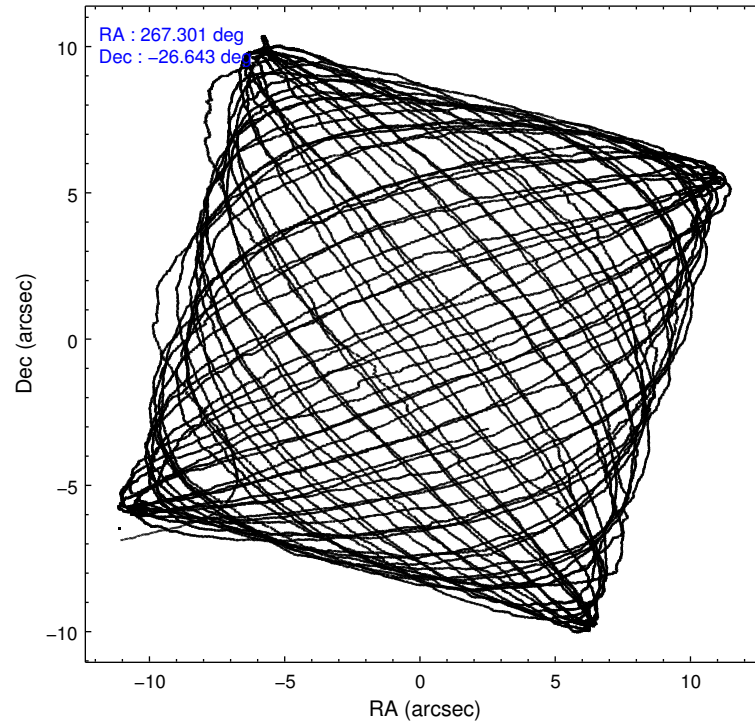
	ccd 7
grade 0 events	3305
	5%
grade 1 events	98
	0%
grade 2 events	6524
	10%
grade 3 events	3593
	5%
grade 4 events	3367
	5%
grade 5 events	6609
	10%
grade 6 events	14693
	23%
grade 7 events	25544
	40%

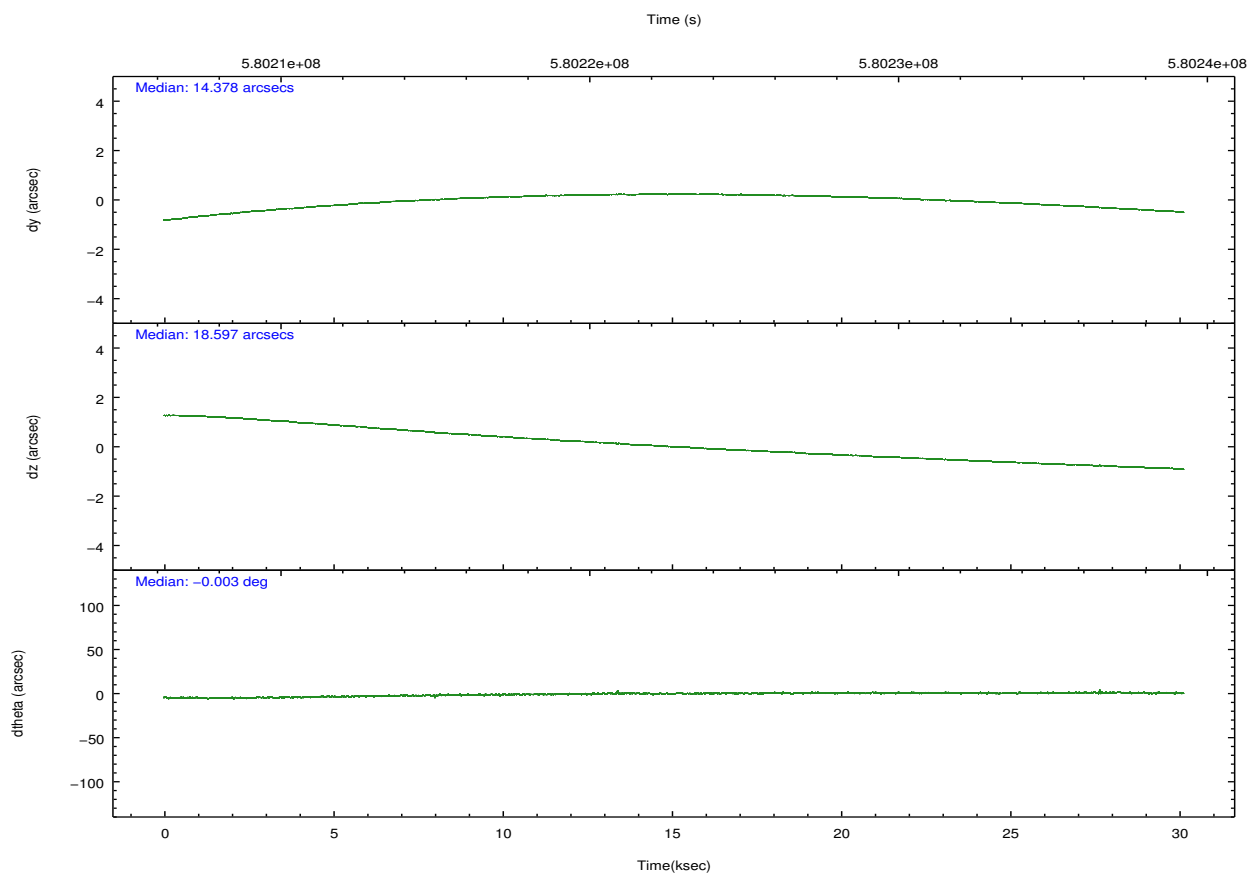
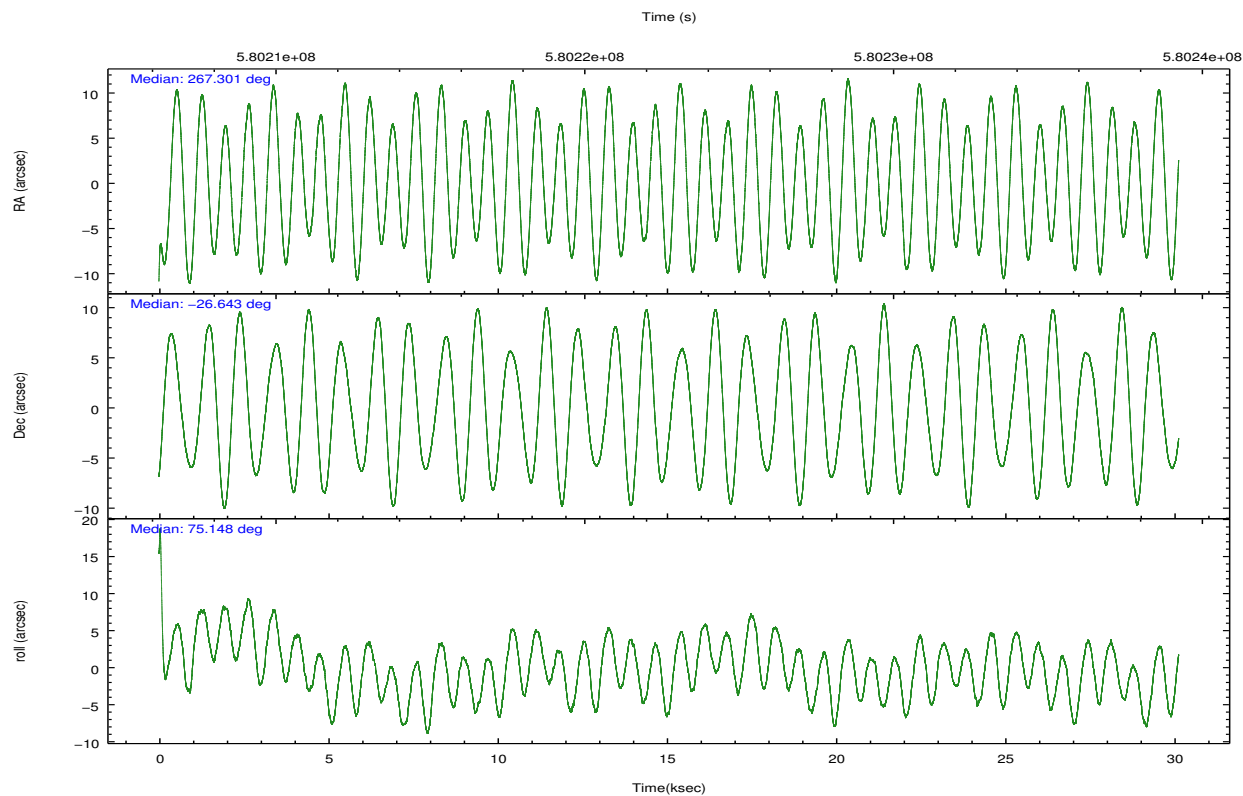
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	267.309325	267.3008738654497
[deg] Pointing Dec	-26.669155	-26.64276398711897
[deg] Pointing Roll	75.002690	75.15553126433362
[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)	580207786.184000	580206466.45908
Observation start date	2016-05-21T08:48:38	2016-05-21T08:27:46
[s] Observation end time (MET)	580237786.184000	580237996.9983799
Observation end date	2016-05-21T17:08:38	2016-05-21T17:13:16
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	385	385
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



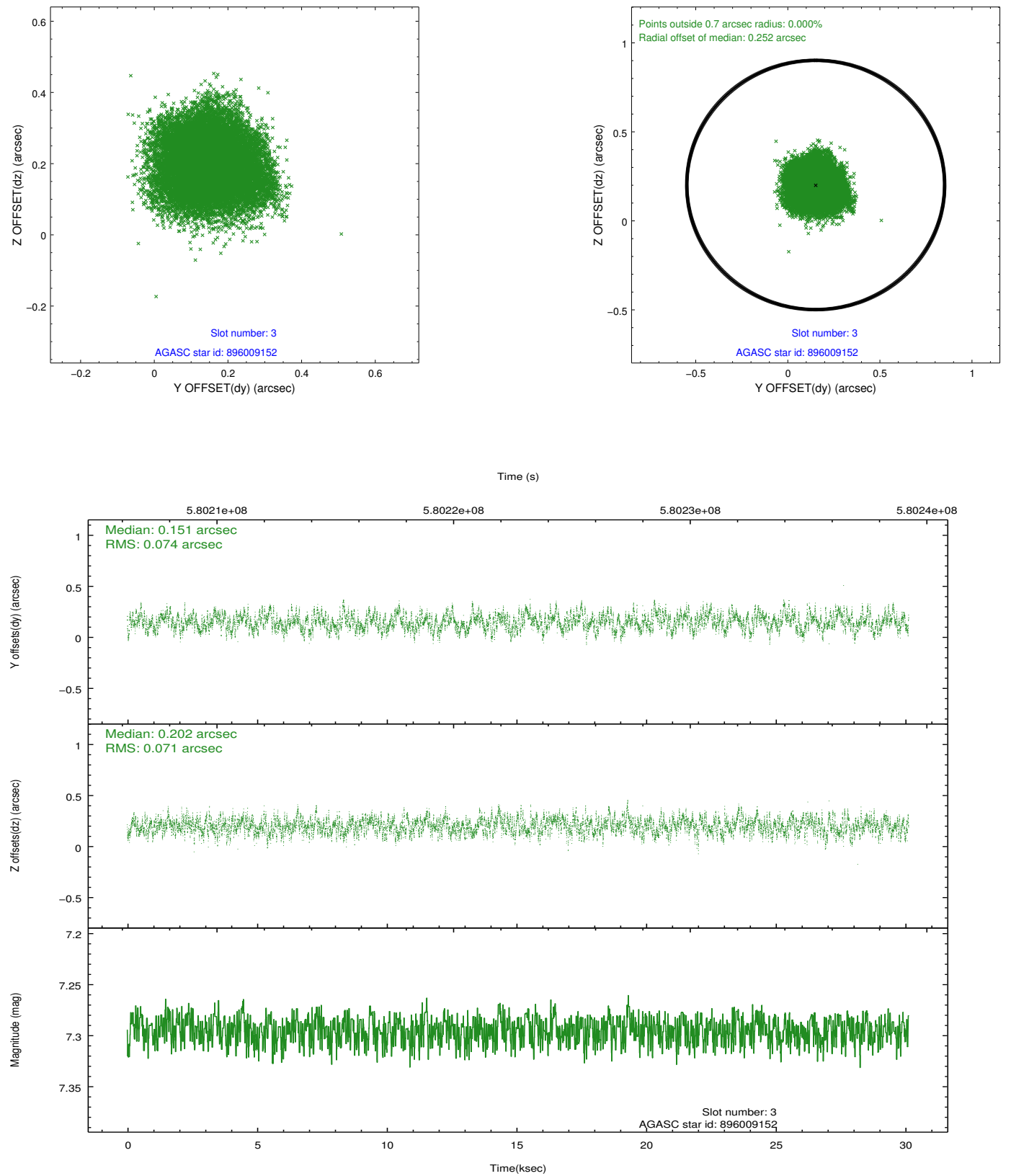


Slot Statistics

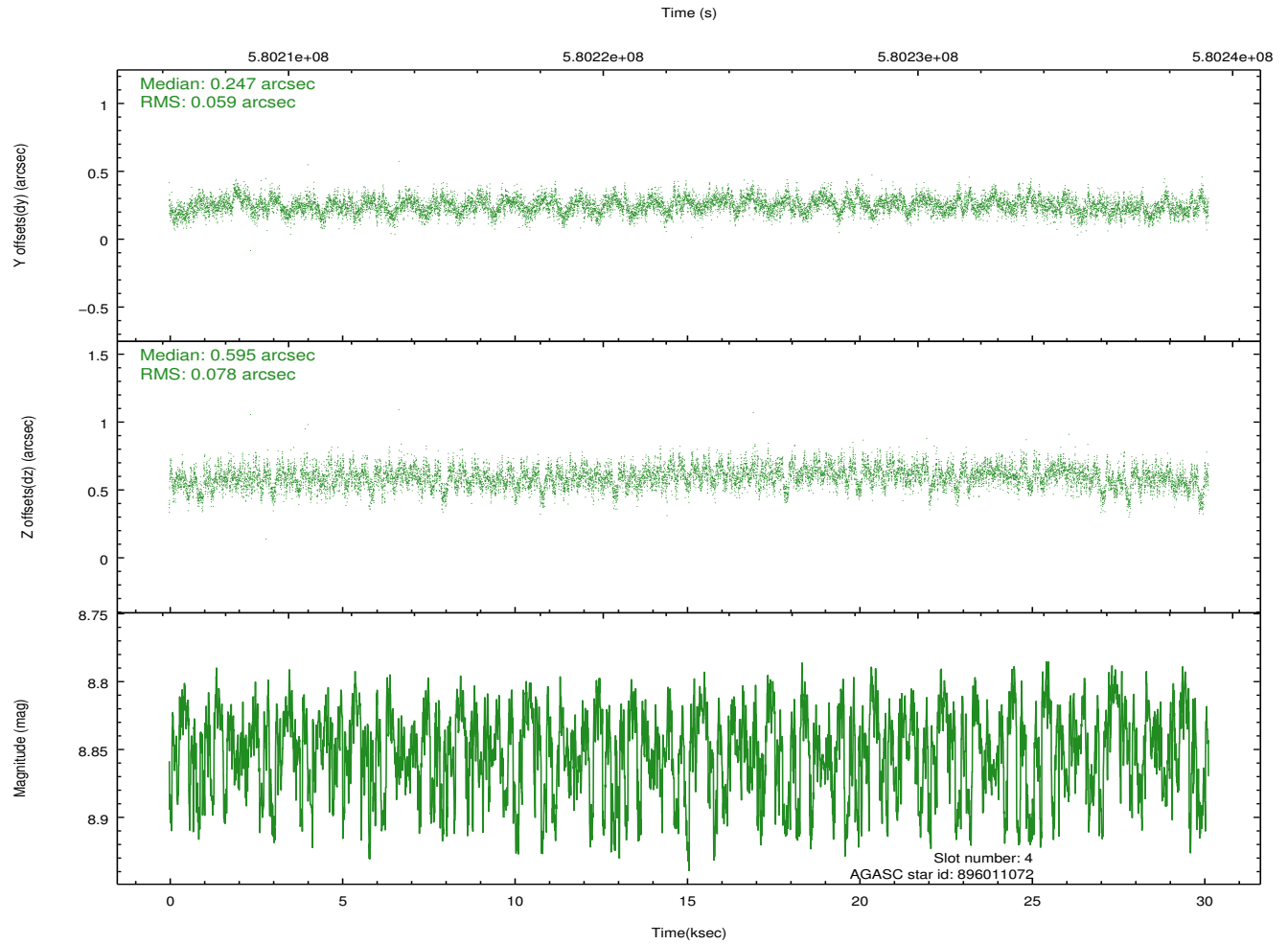
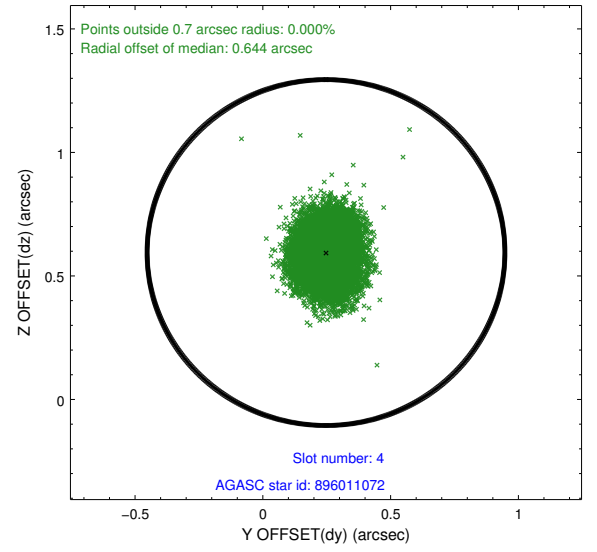
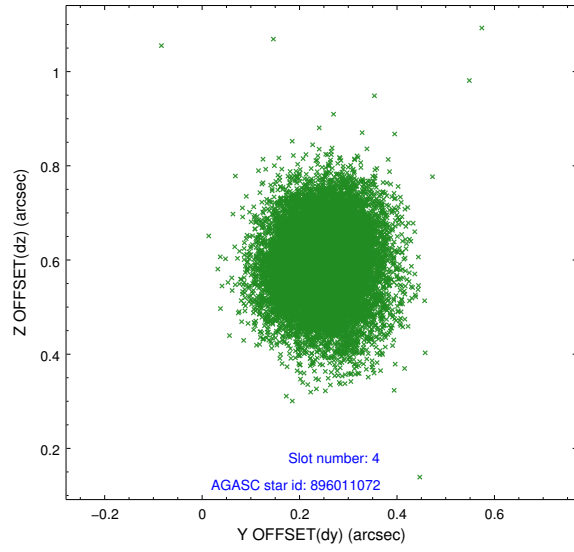
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	7348	-0.174	-0.119	0.021	0.043	0.000000	0.000000	-767.44	-1740.22
1	FID		ACIS-S-4	7.21	7350	0.436	0.114	0.010	0.022	0.000000	0.000000	2146.42	168.40
2	FID		ACIS-S-5	7.23	7349	-0.292	0.011	0.021	0.036	0.000000	0.000000	-1820.30	162.07
3	GUIDE	used	896009152	7.29	14701	0.151	0.202	0.112	0.172	267.588100	-27.061669	-1134.79	-1228.92
4	GUIDE	used	896011072	8.85	14698	0.247	0.595	0.104	0.172	267.780553	-27.396374	-2143.05	-2132.36
5	GUIDE	used	896013040	7.34	14697	-0.028	-0.374	0.097	0.164	266.506589	-26.972299	-1728.73	2202.72
6	GUIDE	used	897717296	8.24	14696	-0.027	0.315	0.089	0.146	267.921819	-26.875322	-212.13	-2092.53
7	GUIDE	used	896015112	9.16	14691	-0.346	-0.734	0.147	0.233	266.684847	-26.286161	805.12	2301.91

2.4 Star Slots

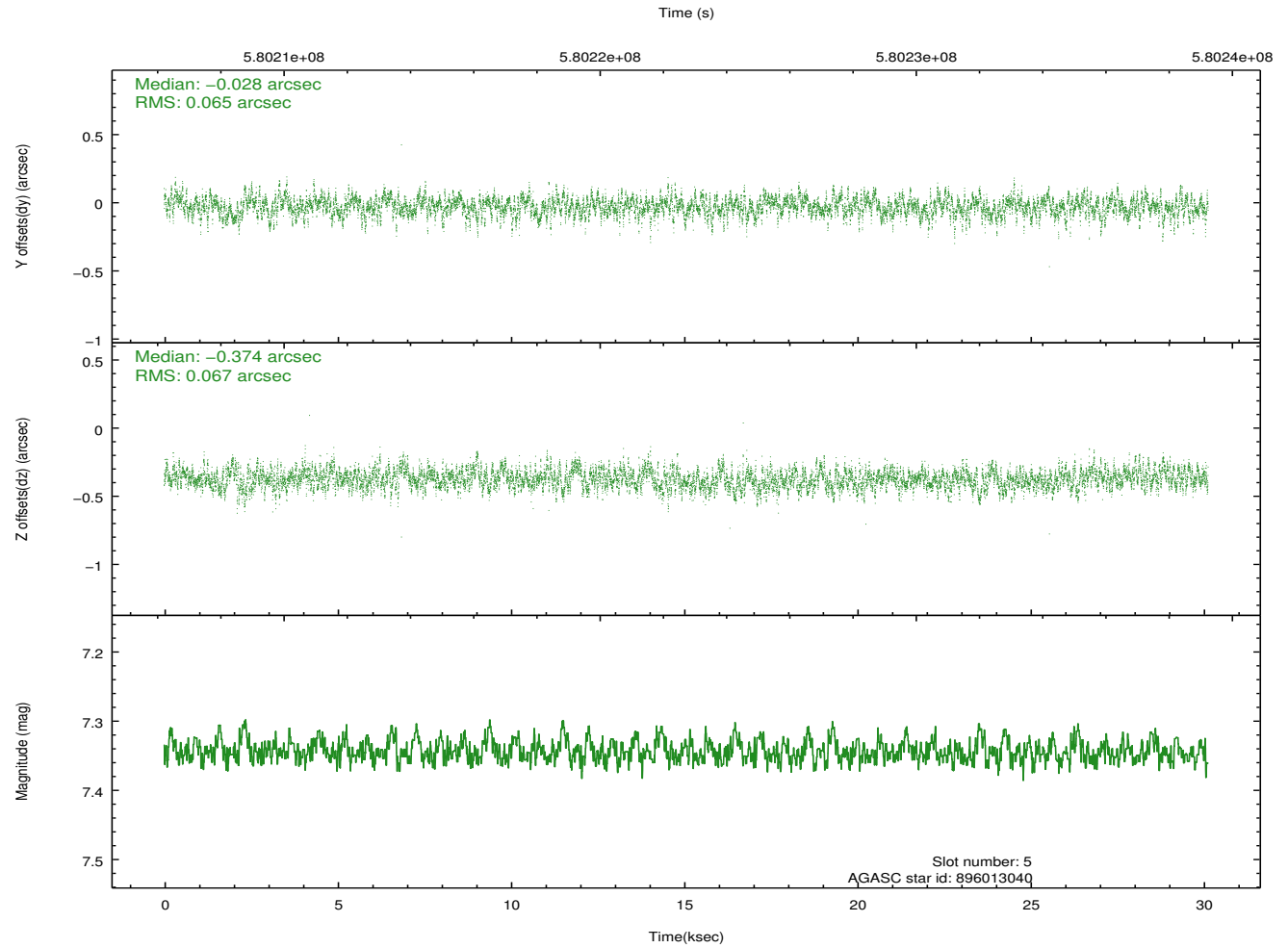
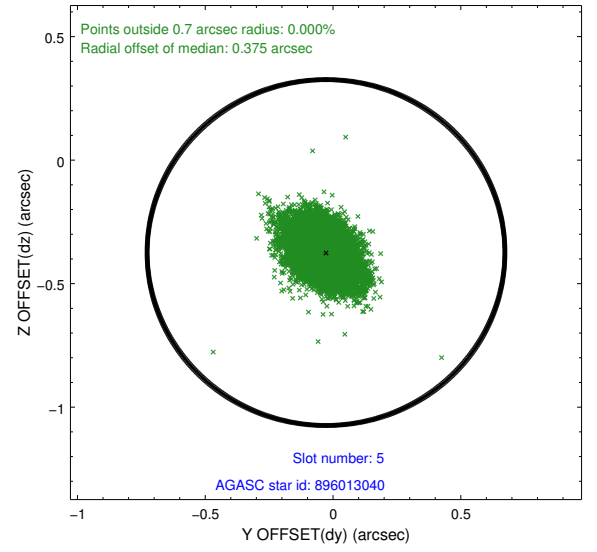
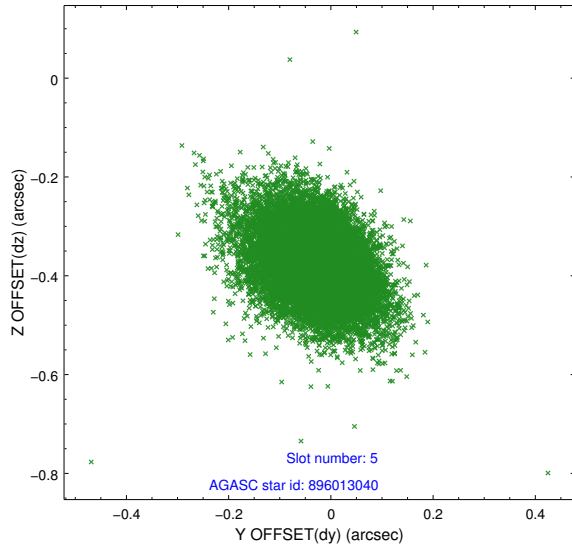
2.4.1 Slot 3



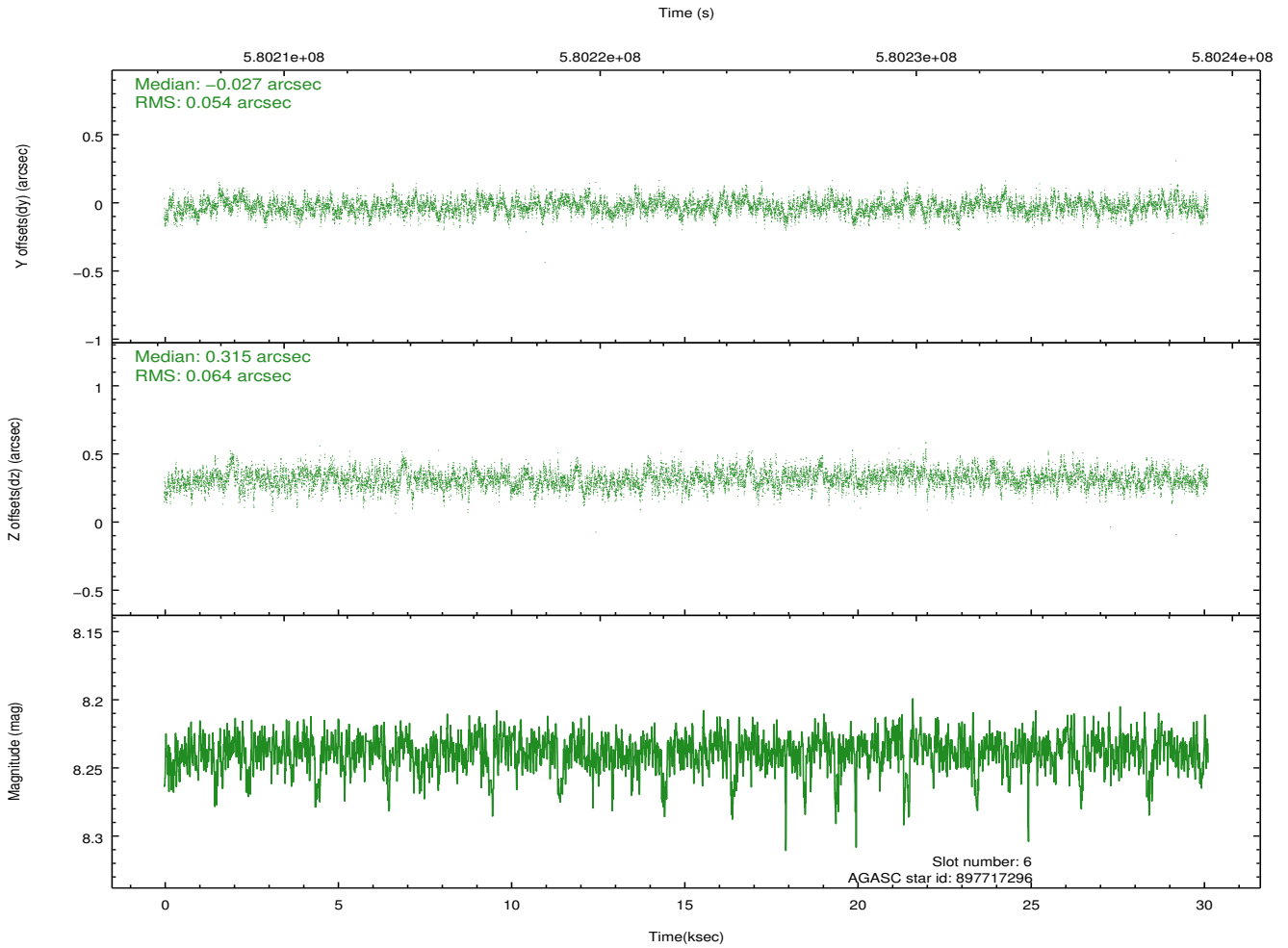
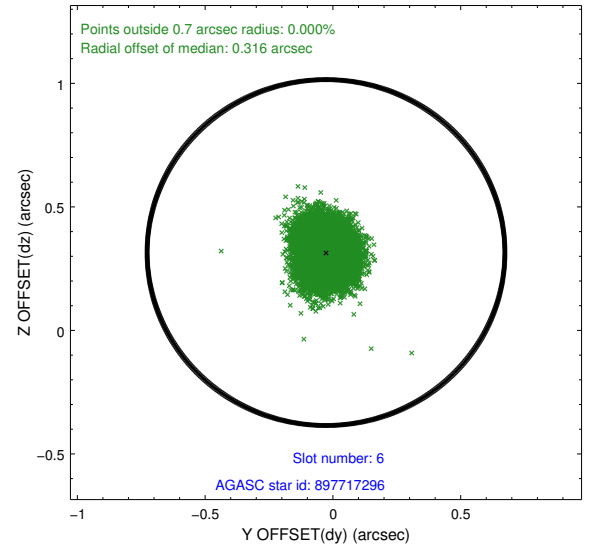
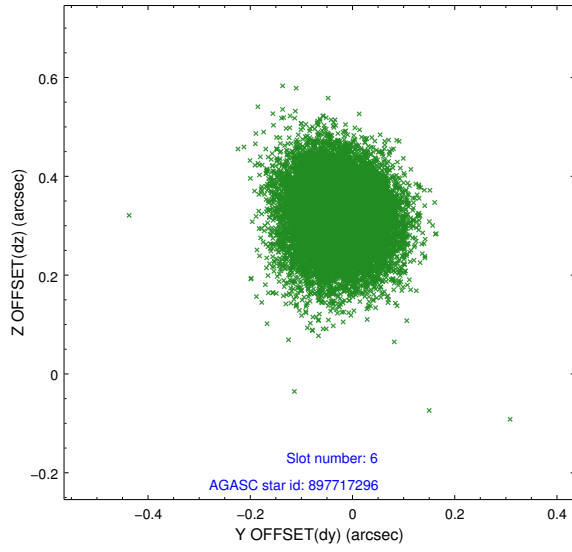
2.4.2 Slot 4



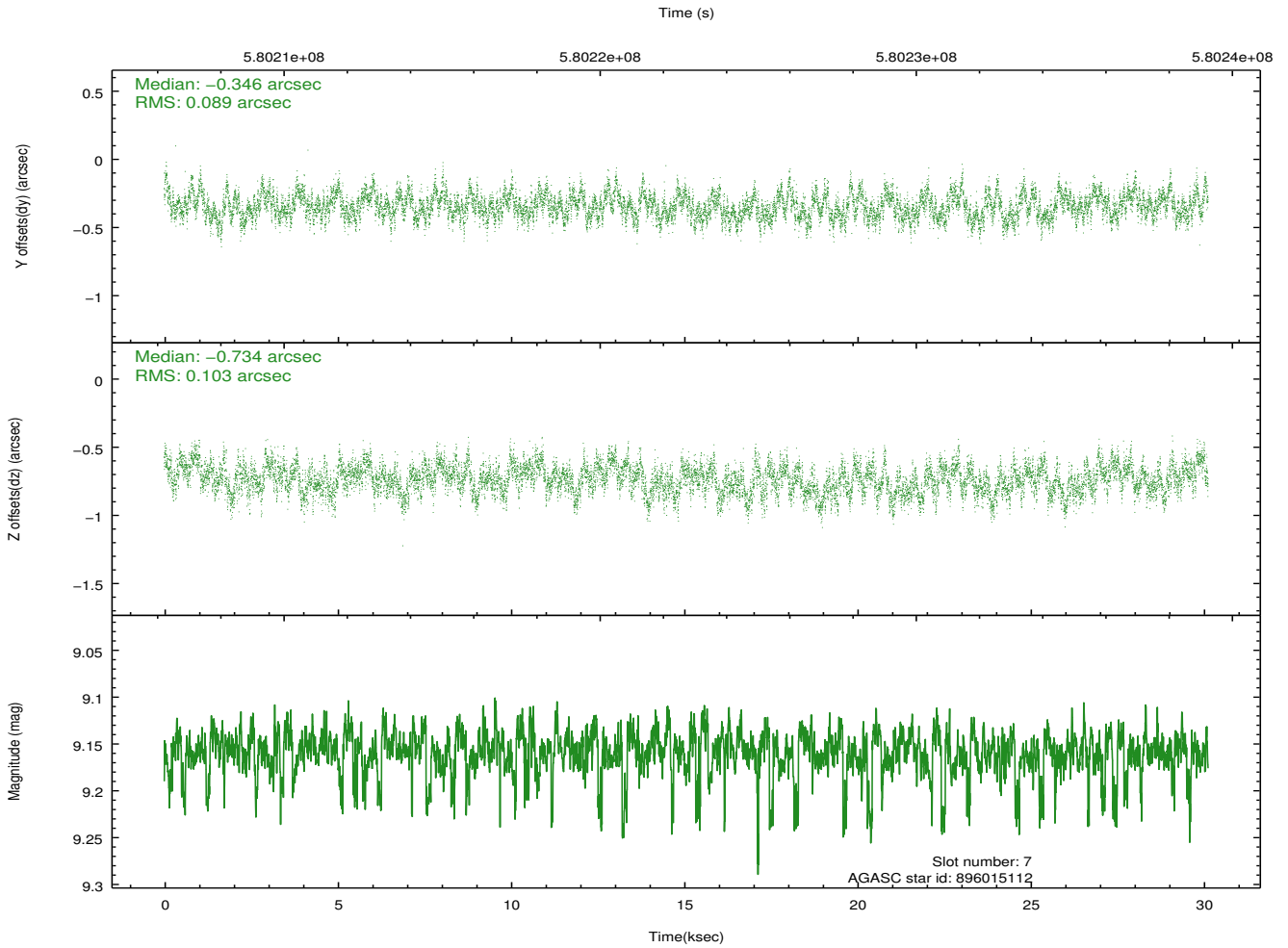
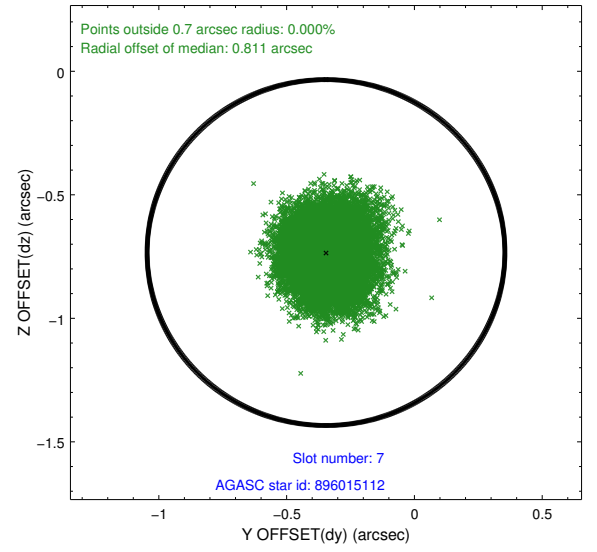
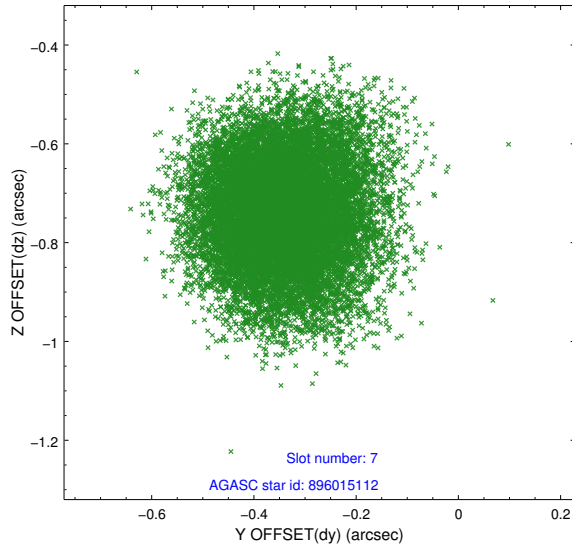
2.4.3 Slot 5



2.4.4 Slot 6

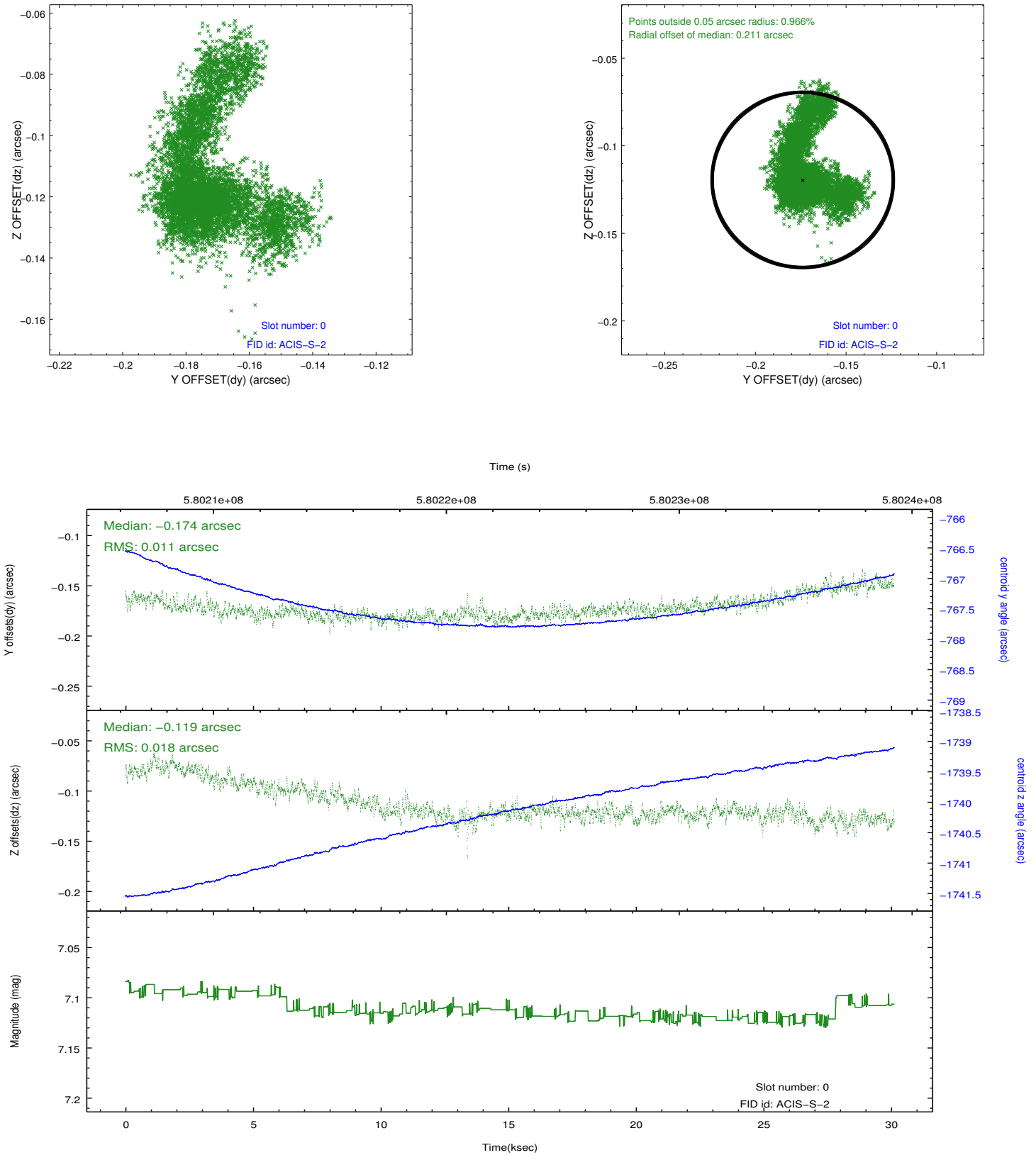


2.4.5 Slot 7

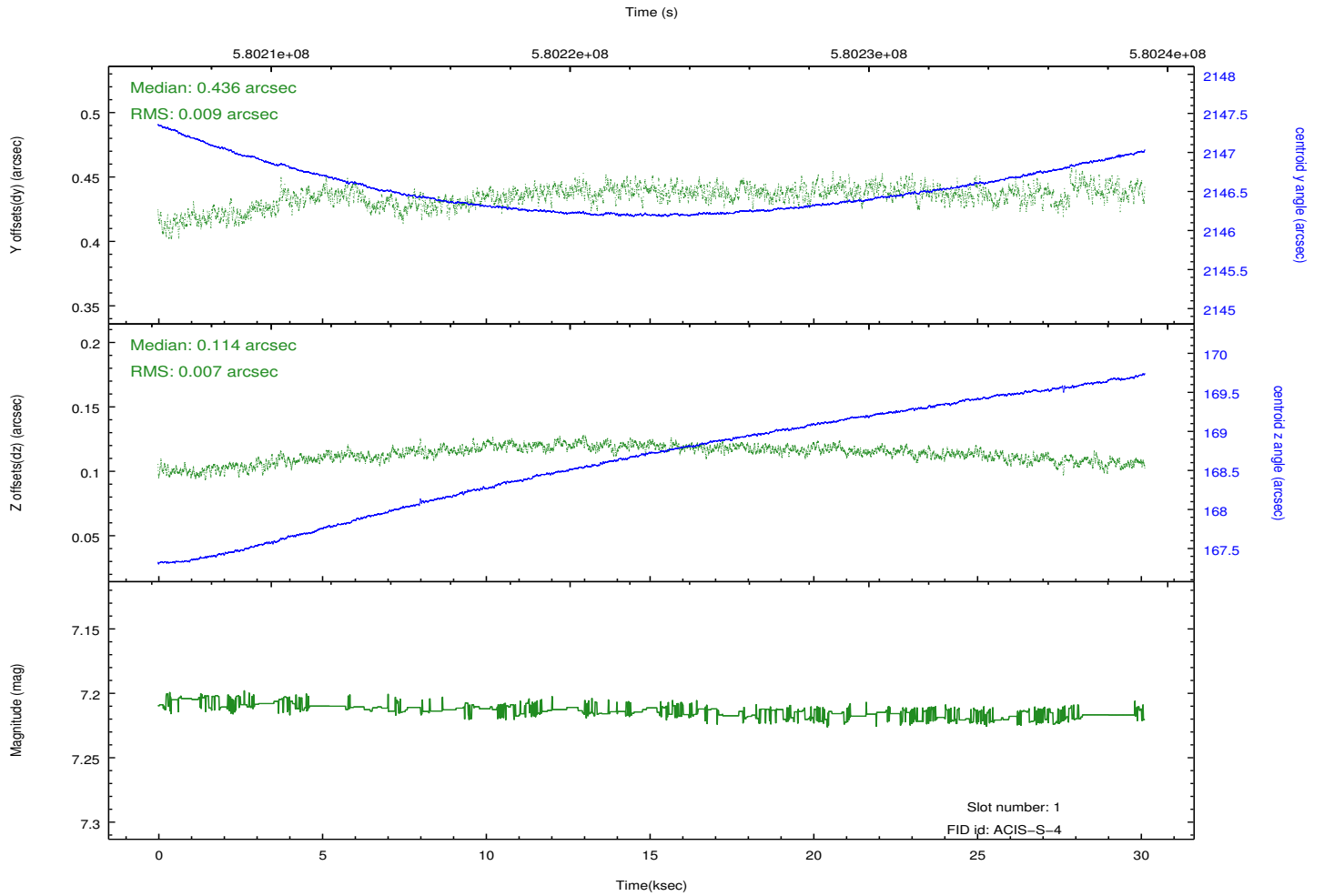
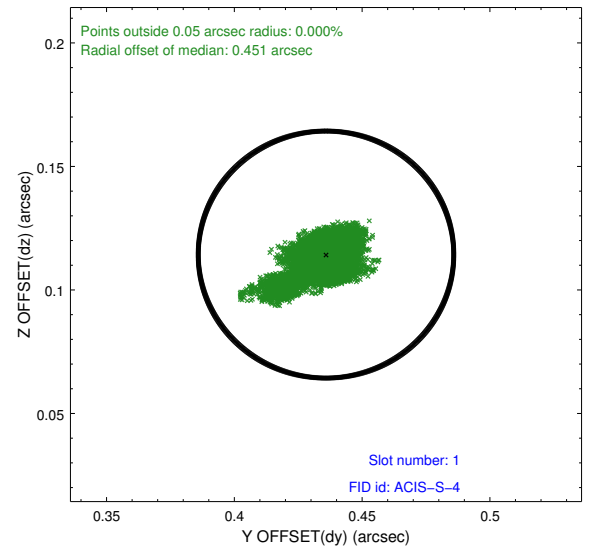
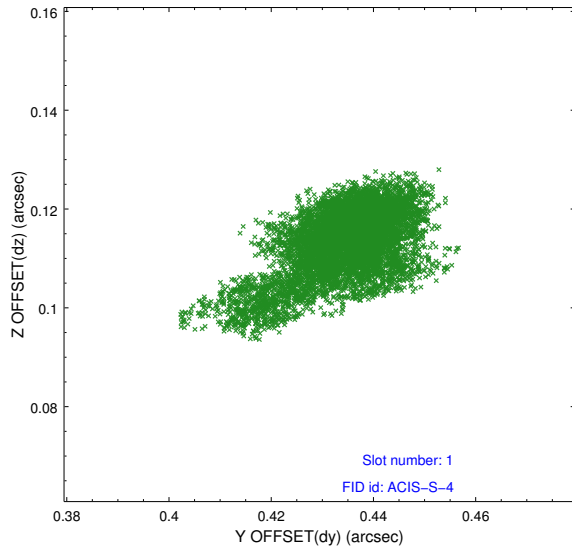


2.5 FID Slots

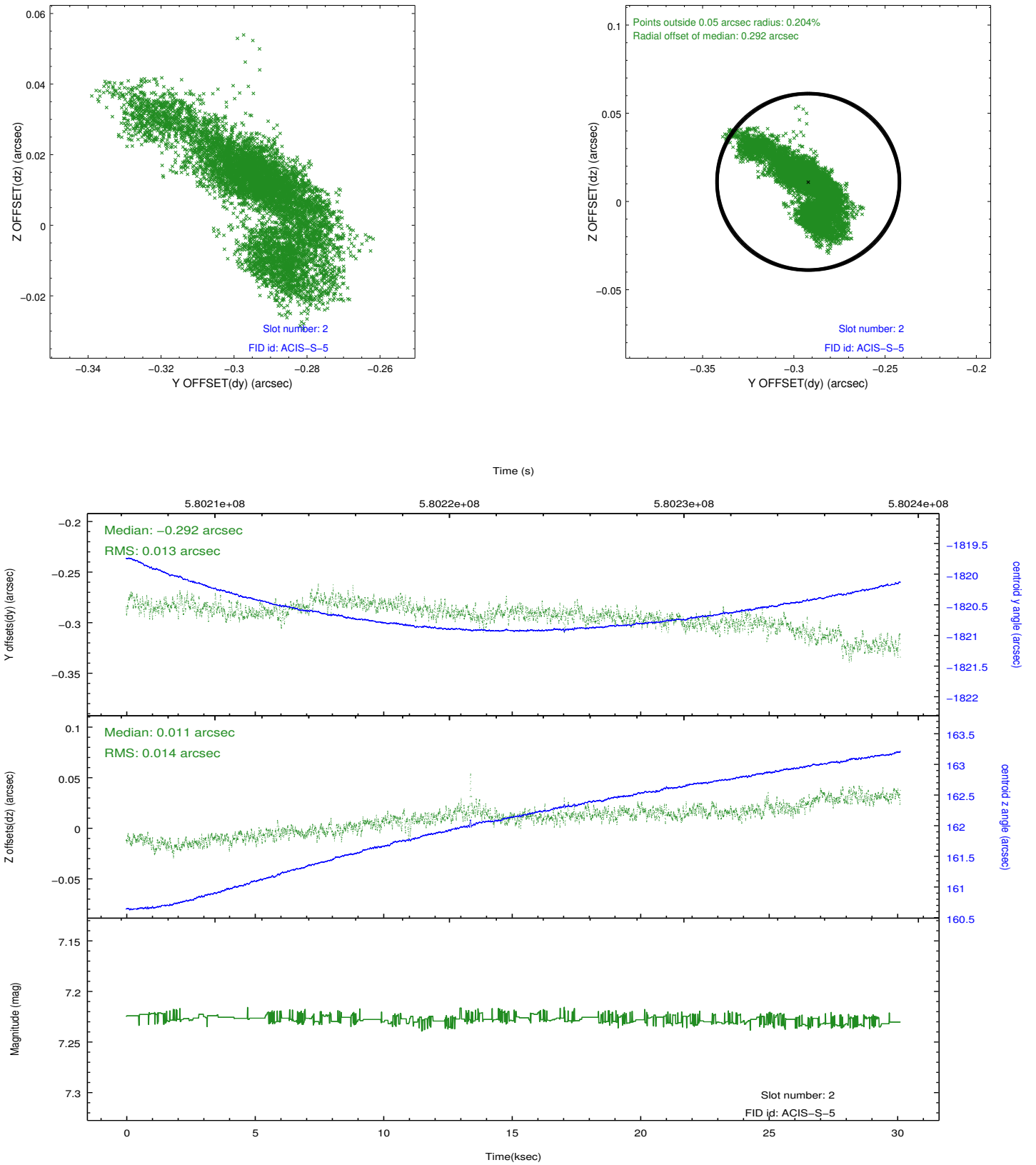
2.5.1 Slot 0



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)	2016.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.060693565845

A.2 Comments

Monitor constraint met.