

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 16725 - L2 Version 1
Chandra X-Ray Center

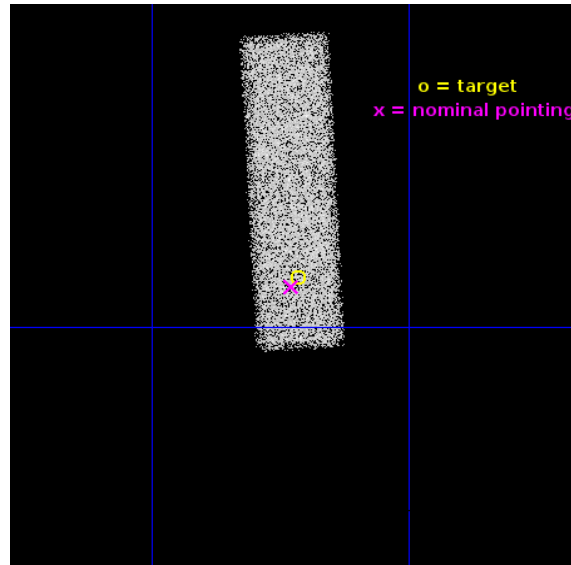
L2 Processing Date : Oct 23 2015

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1 Front

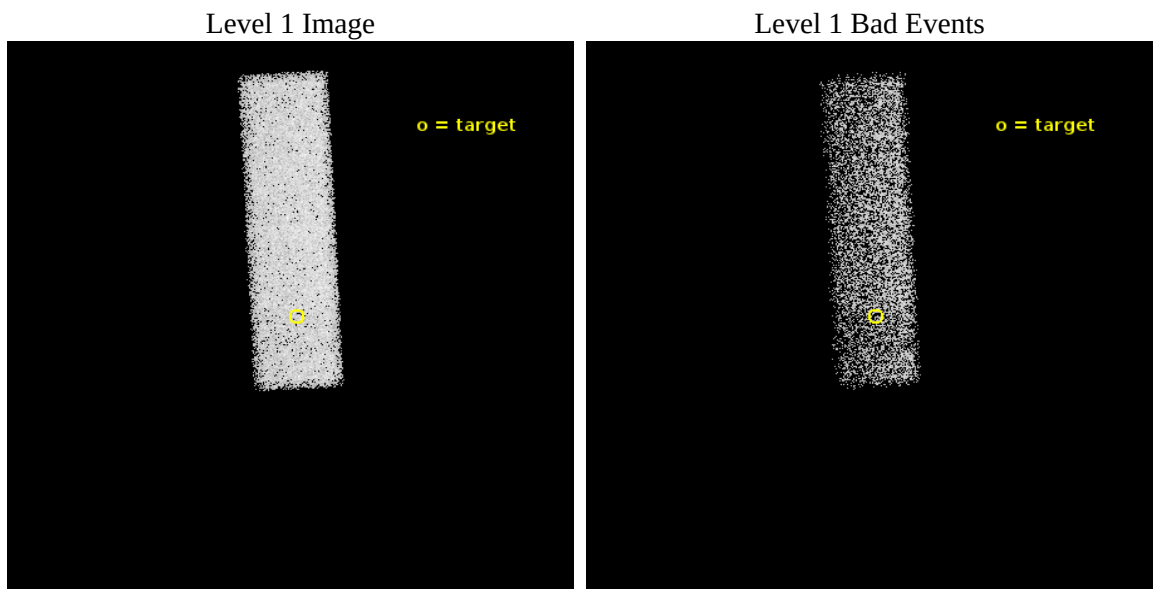
seq_num	401647	Sequence number
obs_id	16725	Observation id
title	Crust cooling of accretion-heated neutron stars	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	GRO J1750-27	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.303333	Observer's specified target RA [deg]
dec_targ	-26.644111	Observer's specified target Dec [deg]
ra_nom	267.30693340099	Nominal RA [deg]
dec_nom	-26.648486507049	Nominal Dec [deg]
roll_nom	267.16837462977	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30060.63821137	Sum of GTIs [s]
livetime	28593.777429249	Livetime [s]
ontime7	30060.63821137	Sum of GTIs [s]
l2events	29373	Number of level 2 events



2 OBI

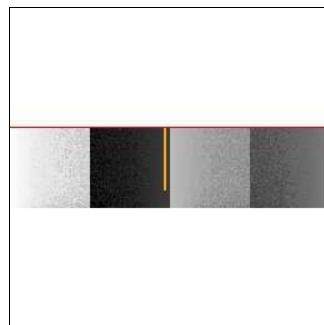
2.1 OBI

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	10.4.2.1	Processing system revision	ontime	30060.63821137	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime7	30060.63821137	Sum of GTIs [s]
date	2015-10-23T20:55:42	Date and time of file creation	l1events	60338	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	60338
rejected events	30128
rejected %	49%

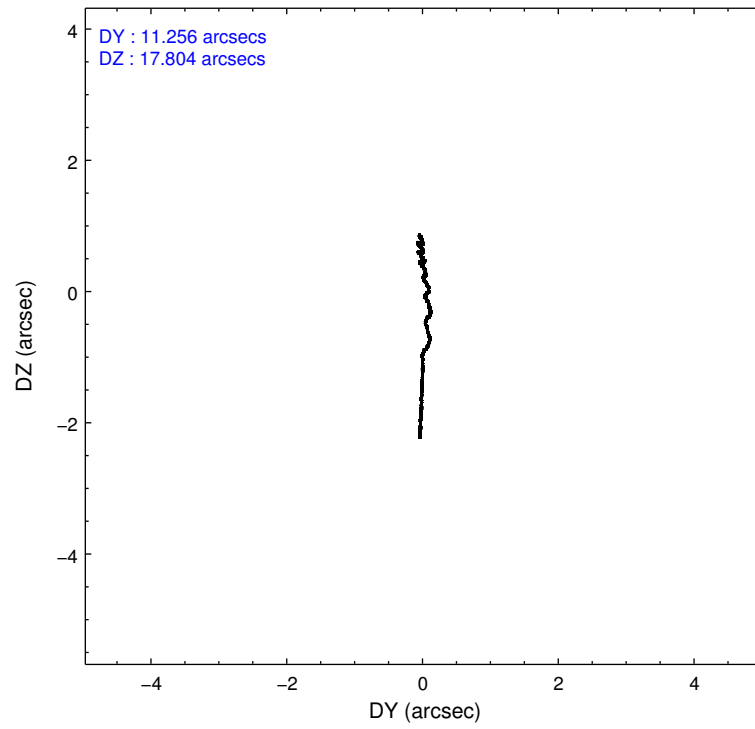
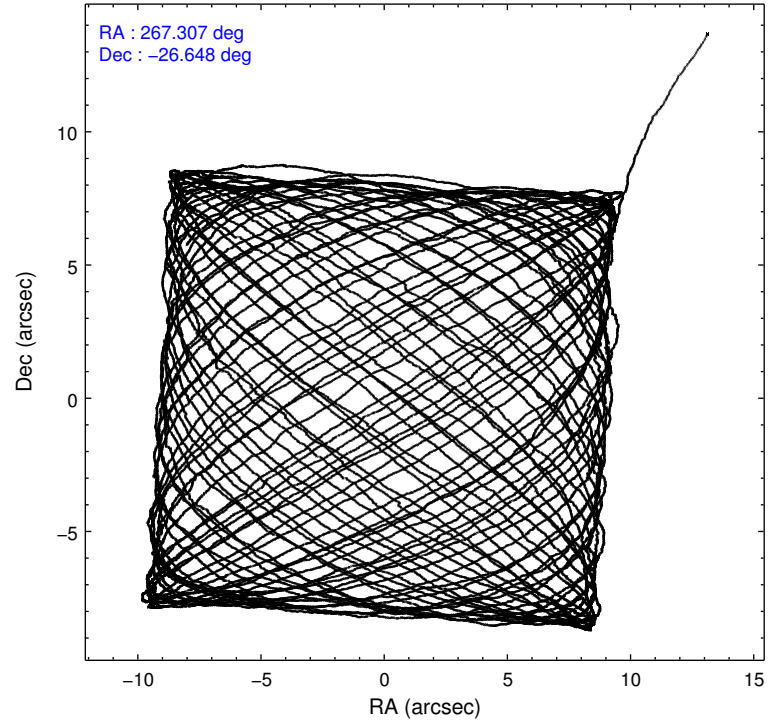
	ccd 7
grade 0 events	3355
	5%
grade 1 events	95
	0%
grade 2 events	6431
	10%
grade 3 events	3375
	5%
grade 4 events	3164
	5%
grade 5 events	5946
	9%
grade 6 events	13885
	23%
grade 7 events	24087
	39%

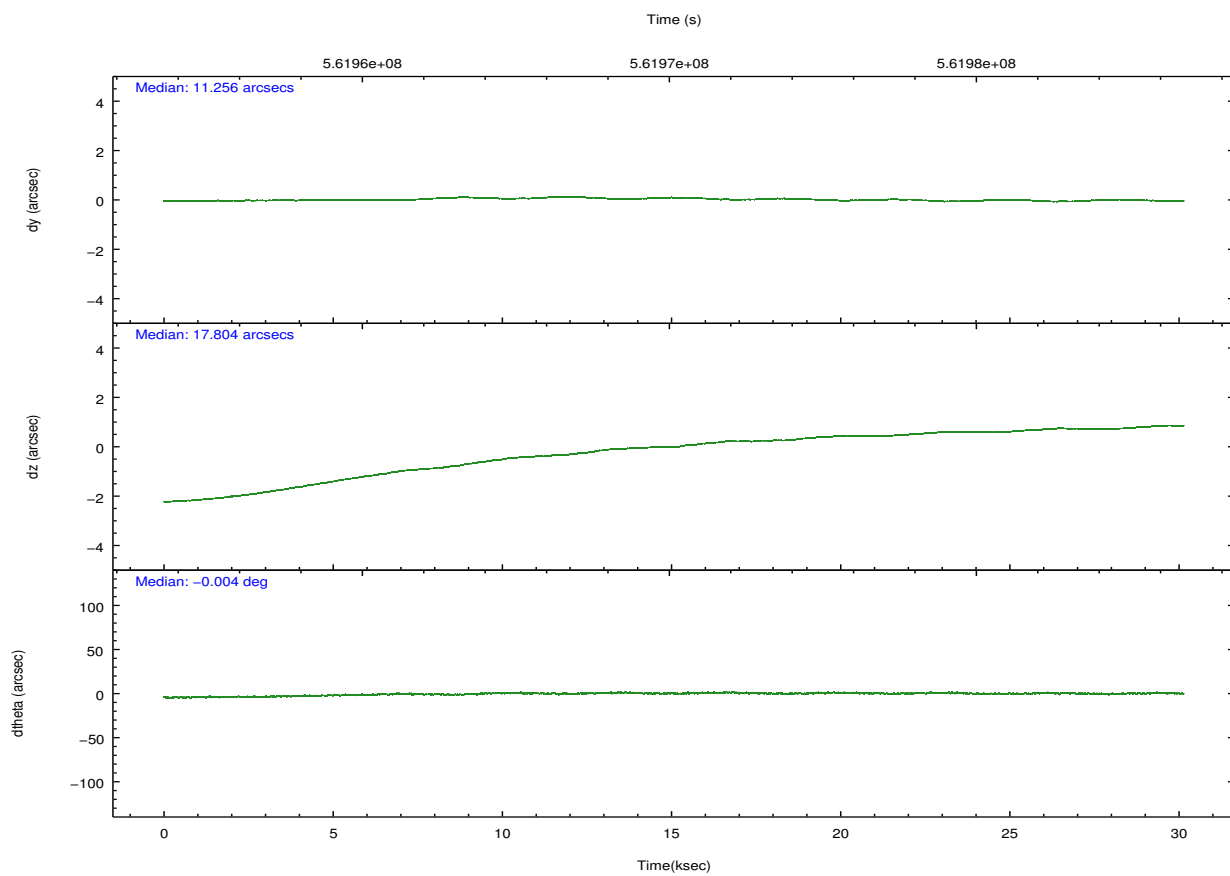
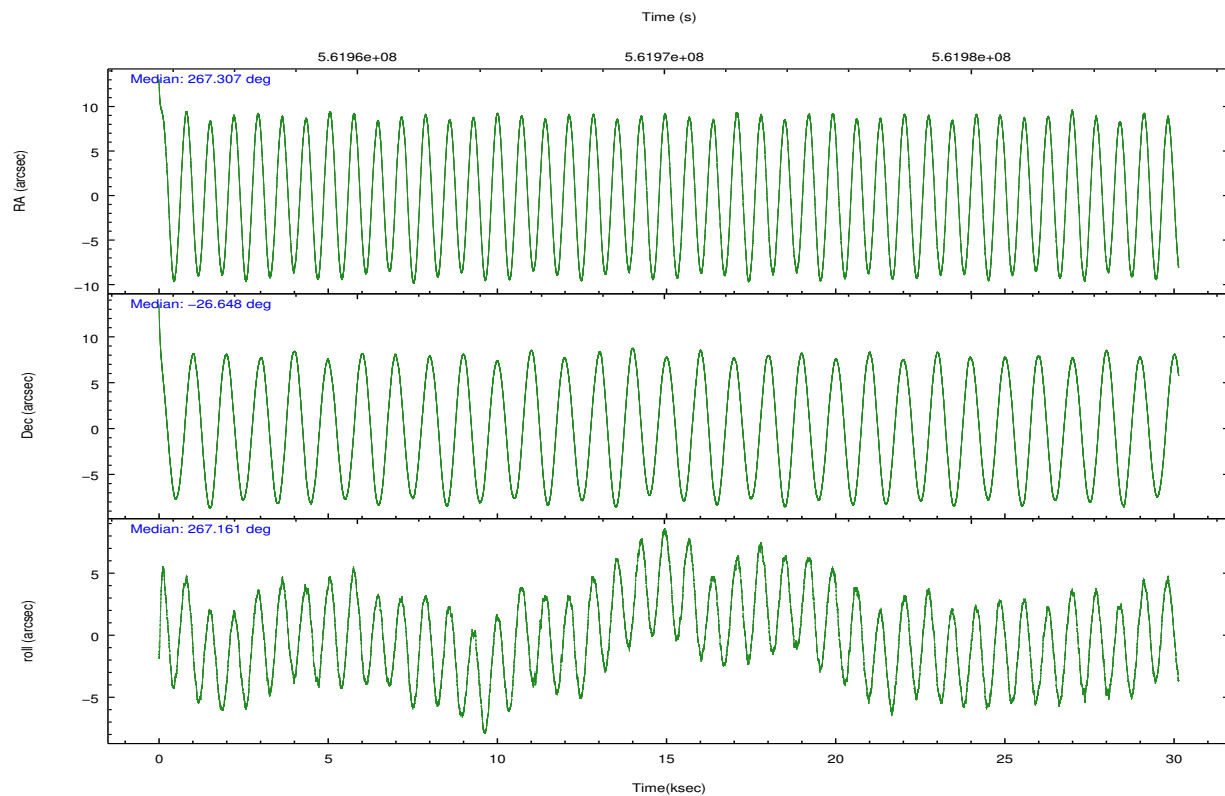
2.2 Compared Parameters

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	267.292544	267.306933400992
[deg] Pointing Dec	-26.624255	-26.64848650704915
[deg] Pointing Roll	267.005300	267.1683746297716
[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)	561955208.184000	561954066.5227
Observation start date	2015-10-23T02:39:00	2015-10-23T02:21:06
[s] Observation end time (MET)	561985208.184000	561985940.437
Observation end date	2015-10-23T10:59:00	2015-10-23T11:12:20
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



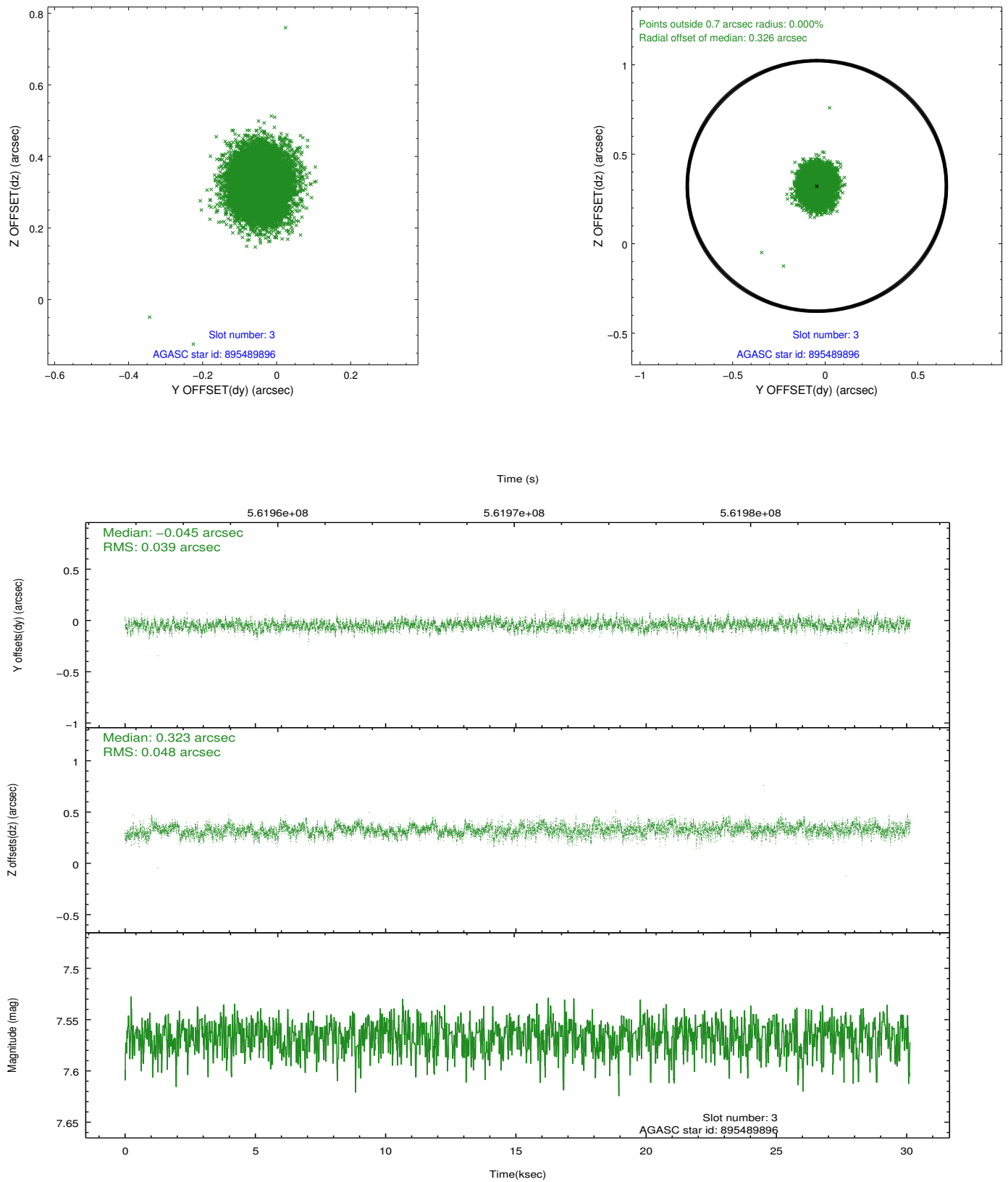


Slot Statistics

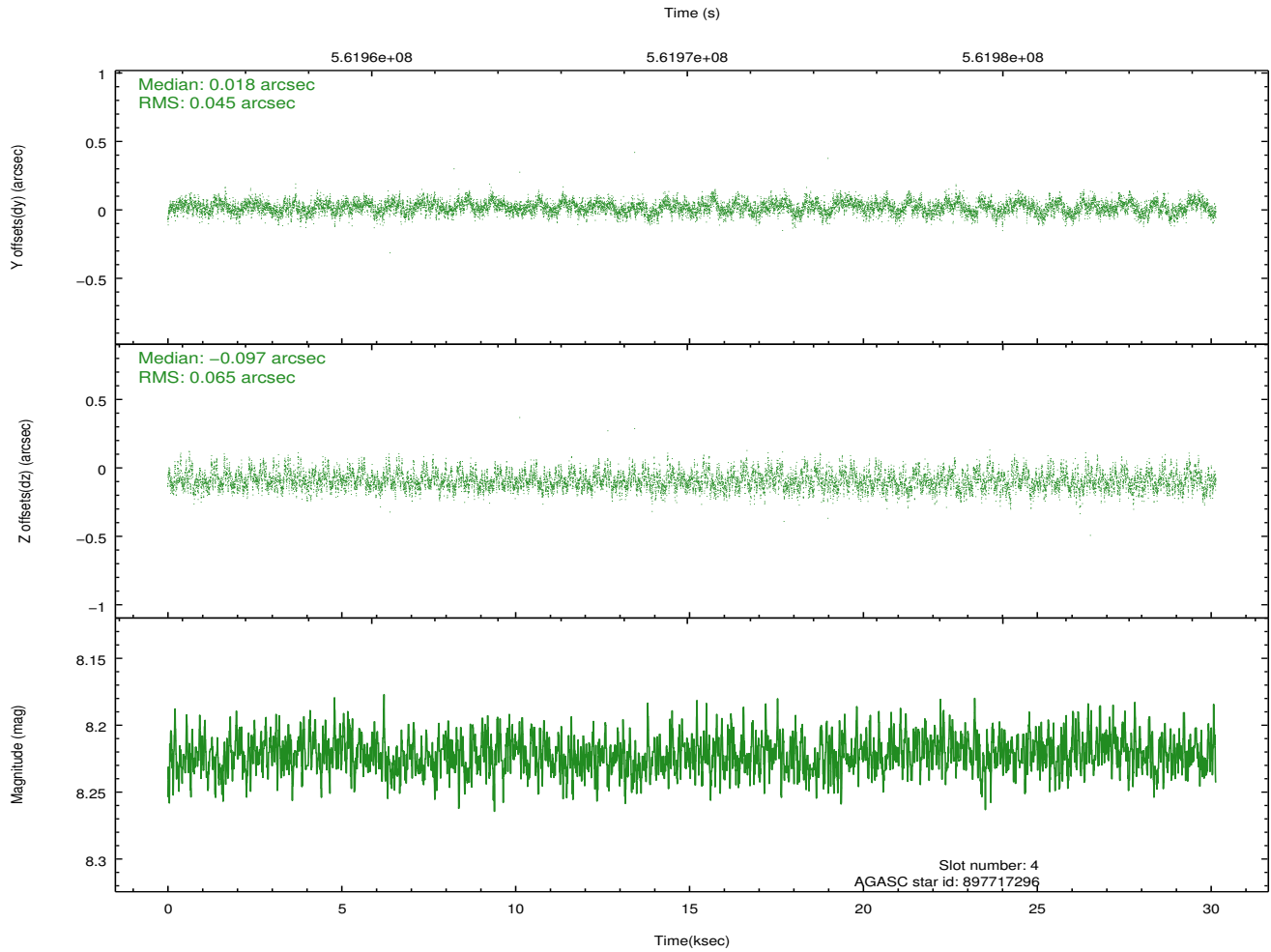
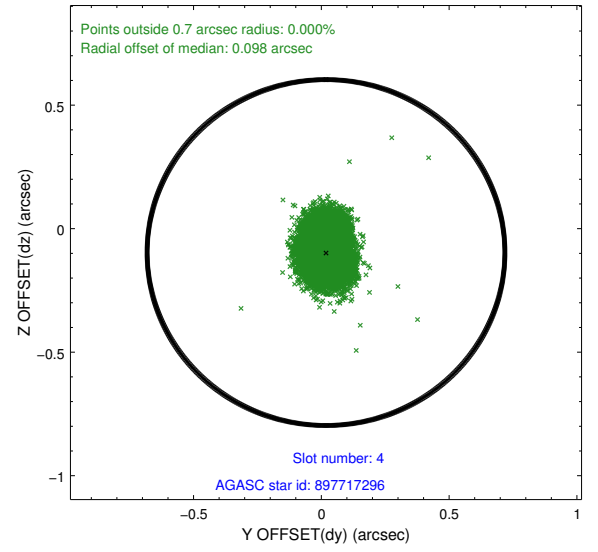
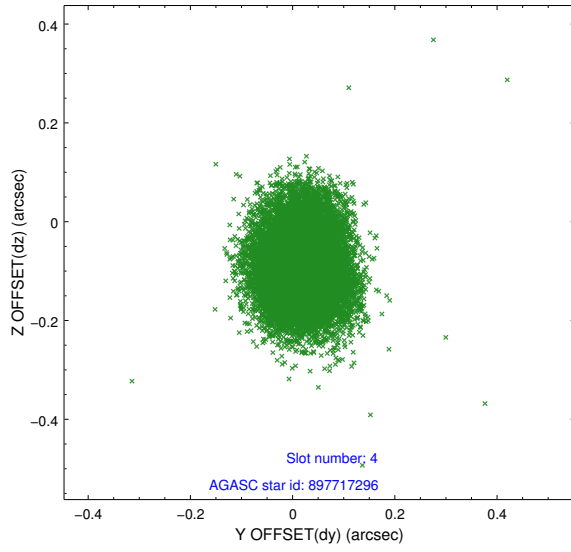
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	7352	-0.122	-0.103	0.012	0.046	0.000000	0.000000	-764.26	-1739.04
1	FID		ACIS-S-4	7.21	7352	0.349	0.086	0.007	0.016	0.000000	0.000000	2149.46	169.55
2	FID		ACIS-S-5	7.24	7352	-0.257	0.026	0.012	0.041	0.000000	0.000000	-1817.14	163.23
3	GUIDE	used	895489896	7.57	14704	-0.045	0.323	0.065	0.108	266.605795	-26.200300	-1401.74	-2294.61
4	GUIDE	used	897717296	8.22	14701	0.018	-0.097	0.083	0.138	267.921819	-26.875322	802.13	2065.26
5	GUIDE	used	896013040	7.35	14701	0.203	-0.008	0.096	0.157	266.506589	-26.972299	1391.80	-2452.12
6	GUIDE	used	896009152	7.30	14700	-0.013	-0.064	0.090	0.148	267.588100	-27.061669	1525.24	1028.26
7	GUIDE	used	897718208	7.73	14698	-0.160	-0.161	0.085	0.136	268.020133	-26.836183	646.55	2374.19

2.4 Star Slots

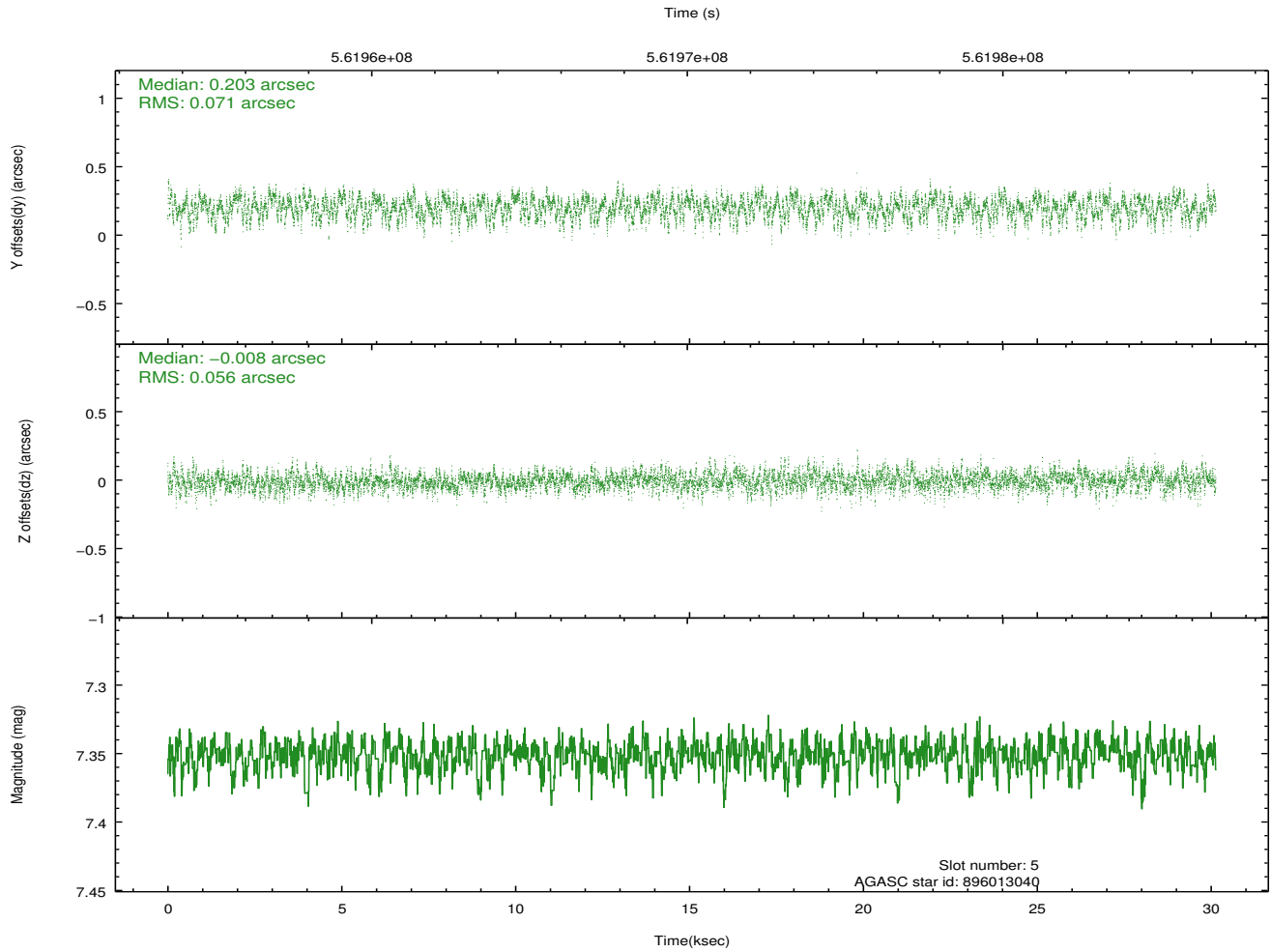
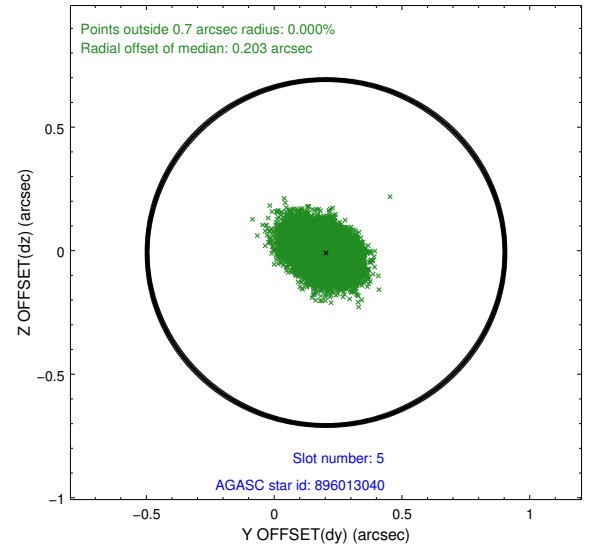
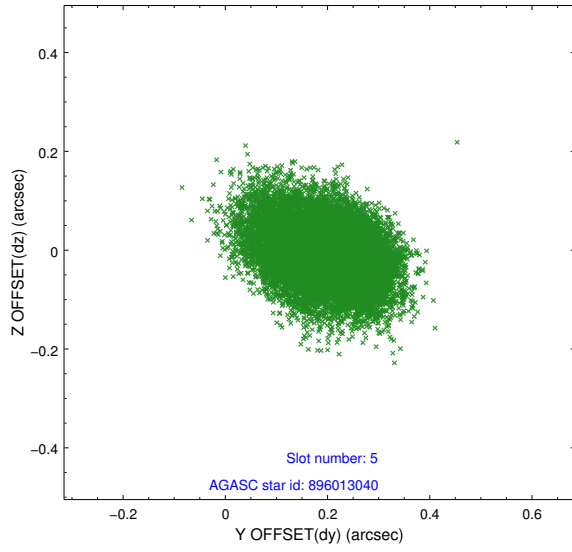
2.4.1 Slot 3



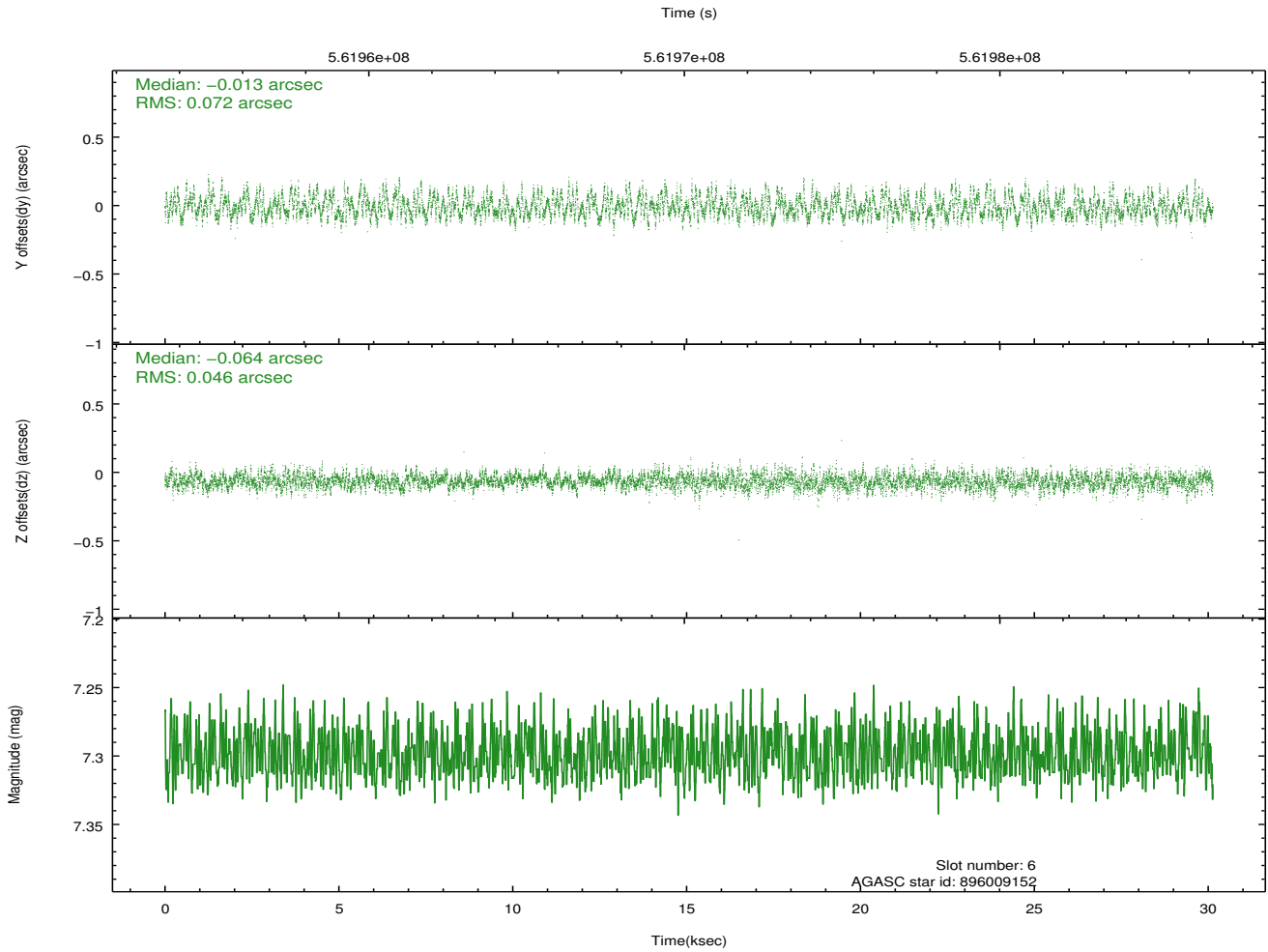
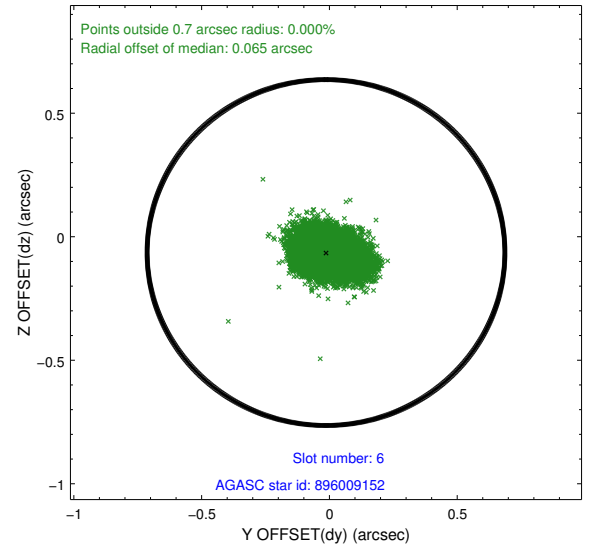
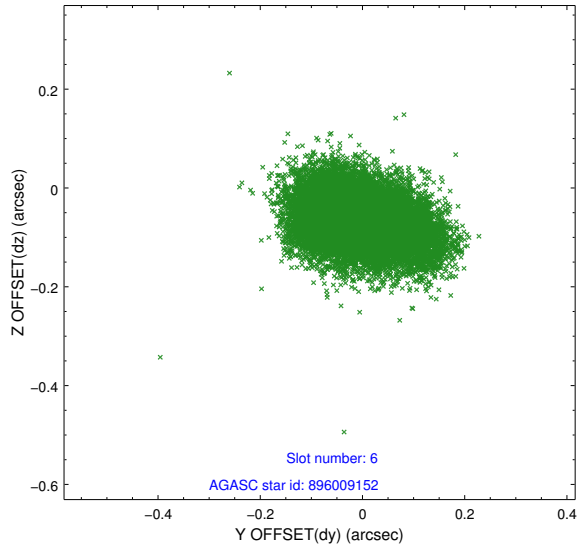
2.4.2 Slot 4



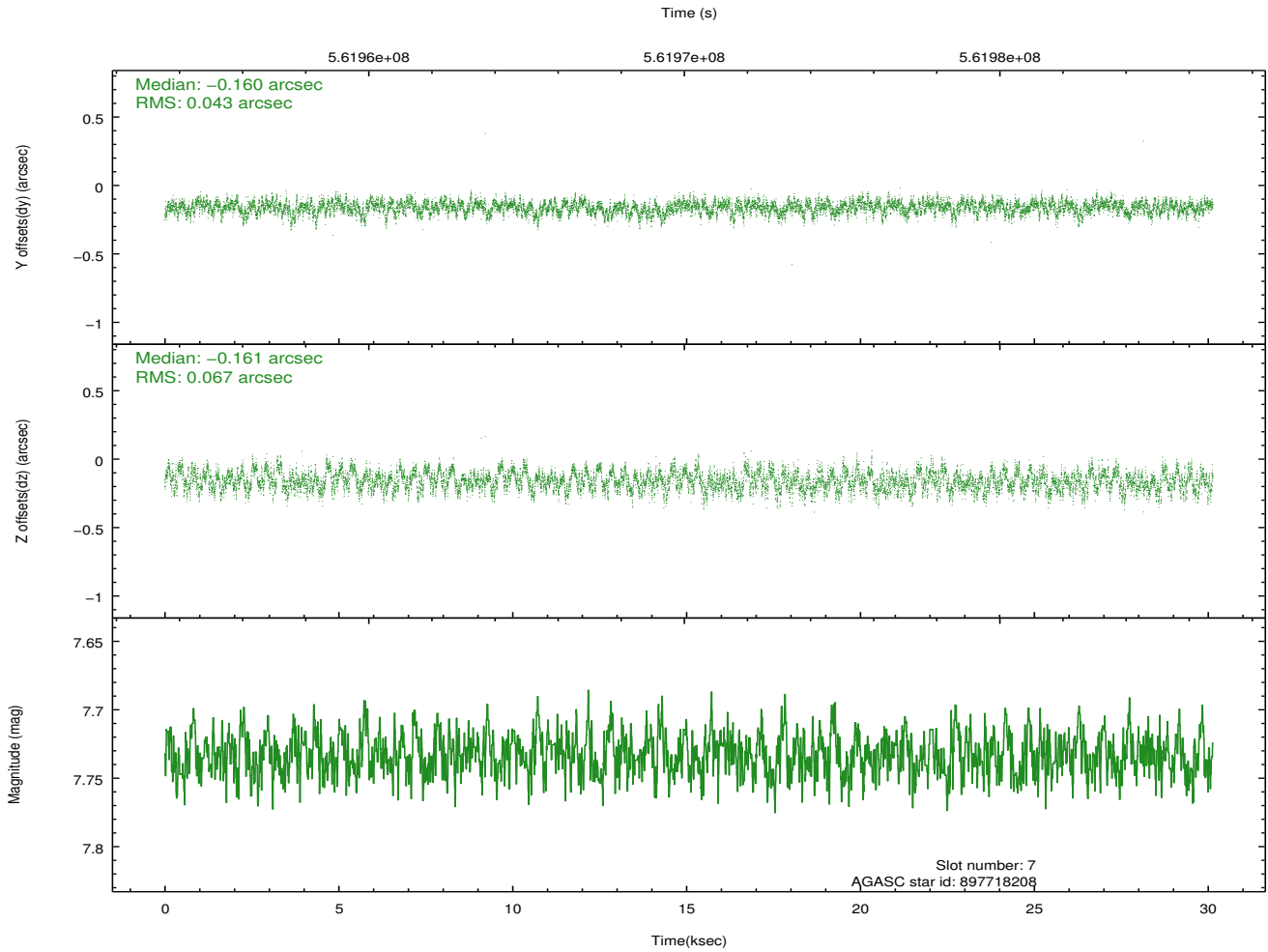
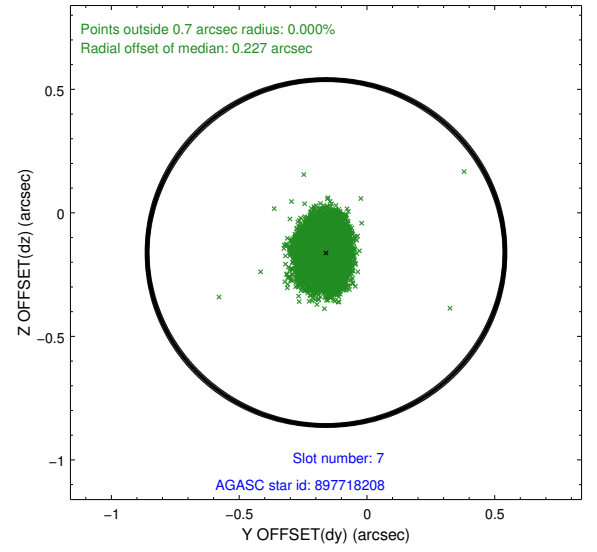
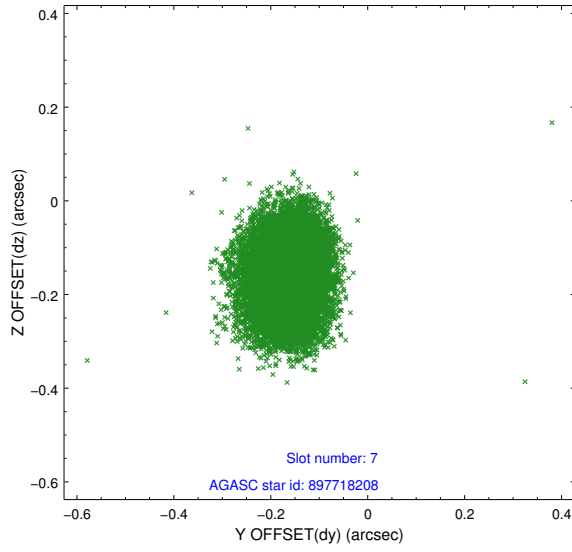
2.4.3 Slot 5



2.4.4 Slot 6

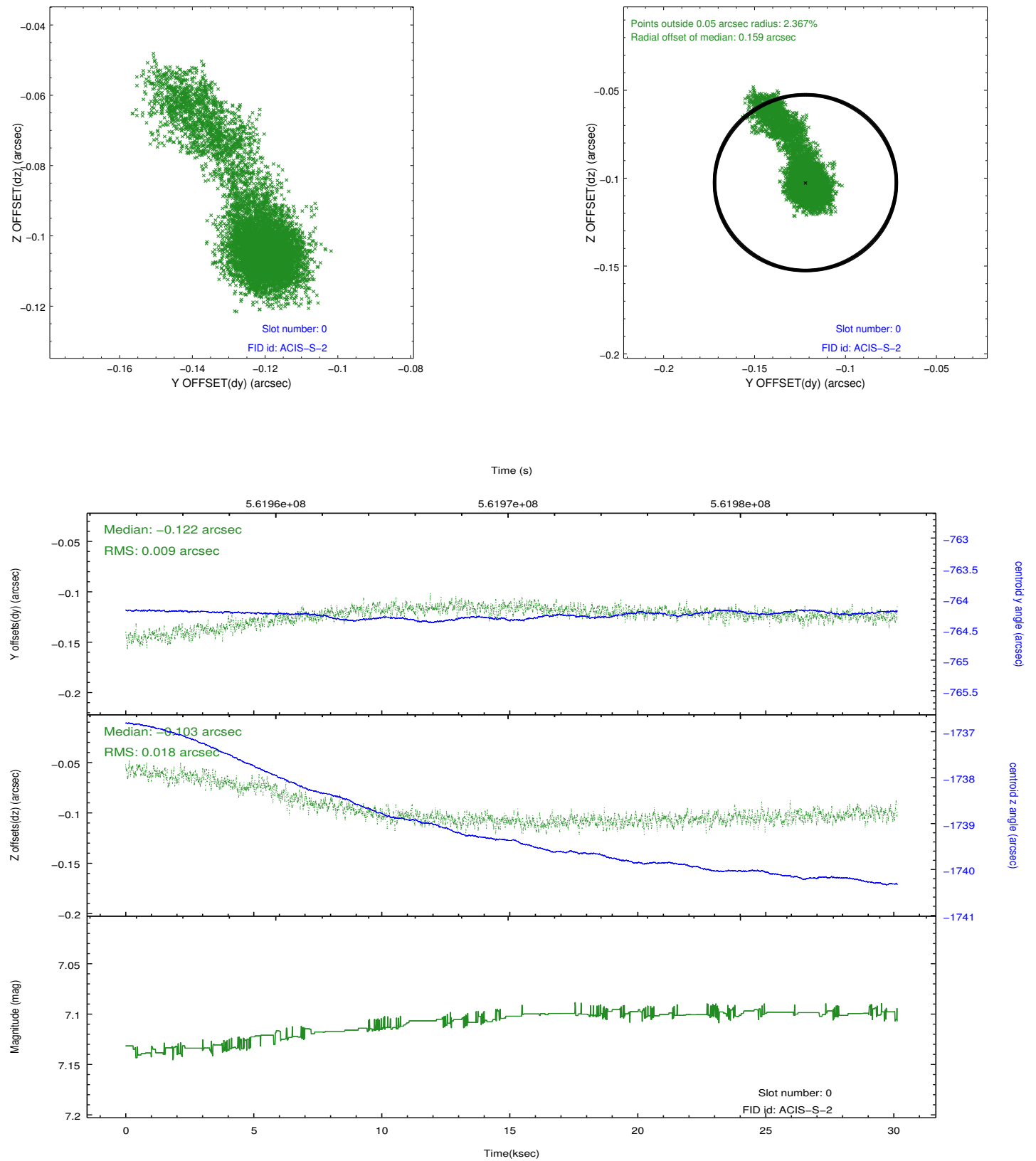


2.4.5 Slot 7

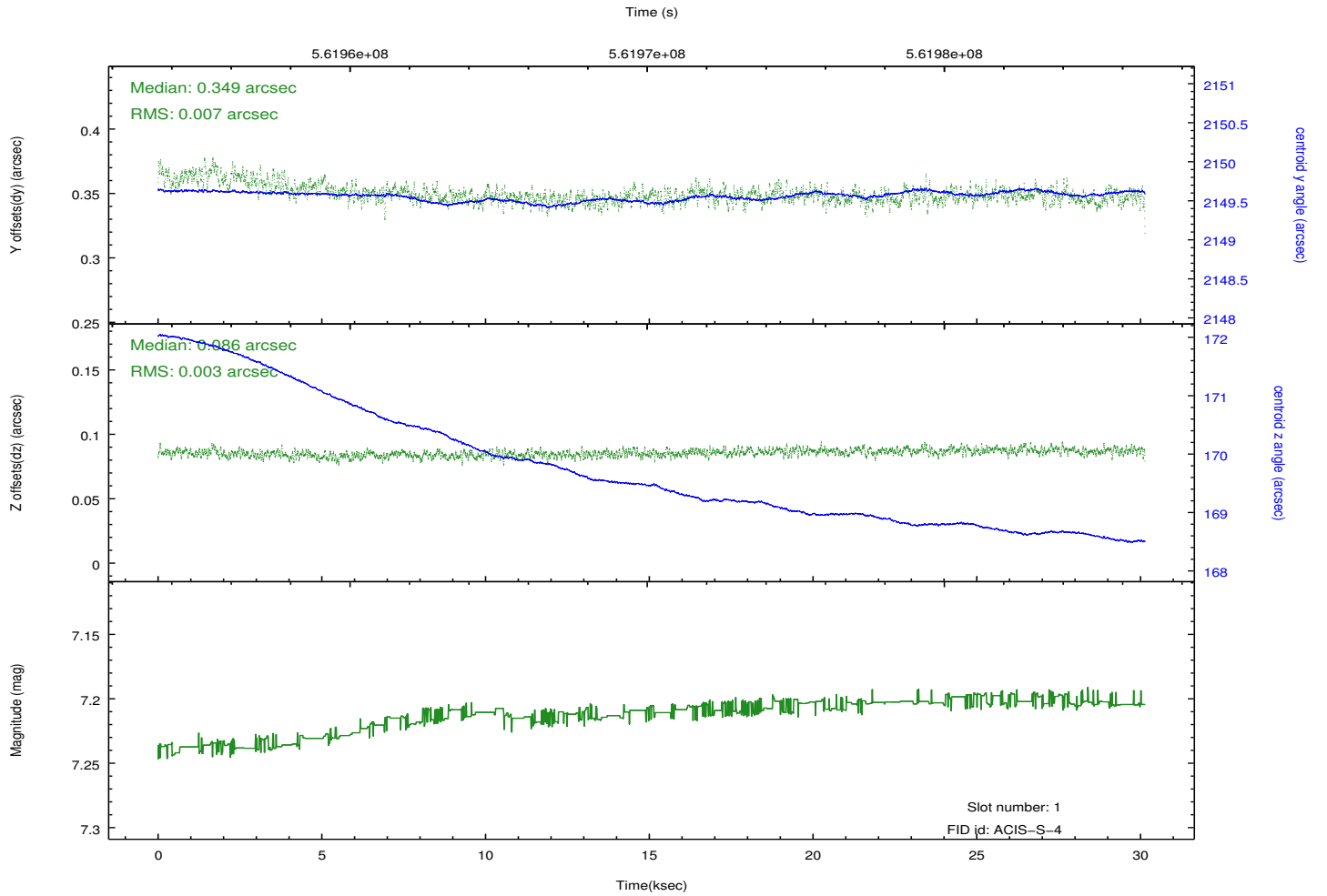
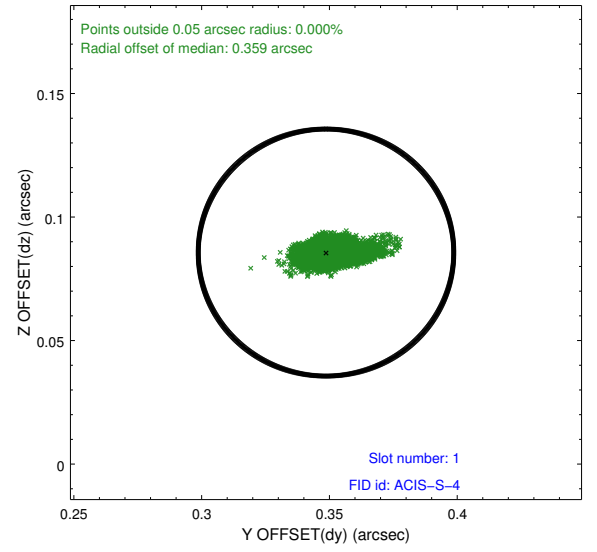
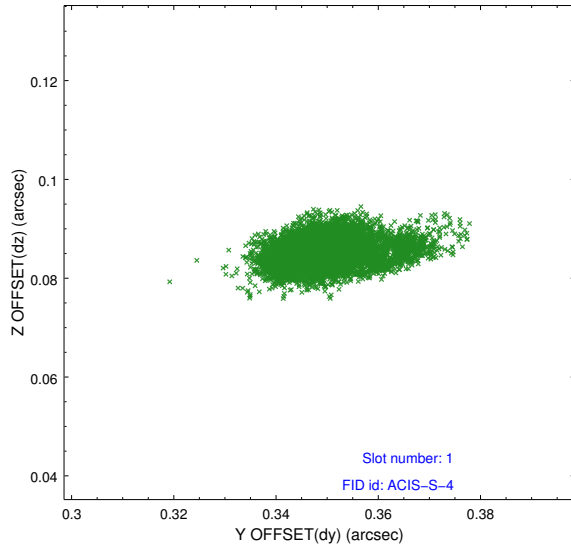


2.5 FID Slots

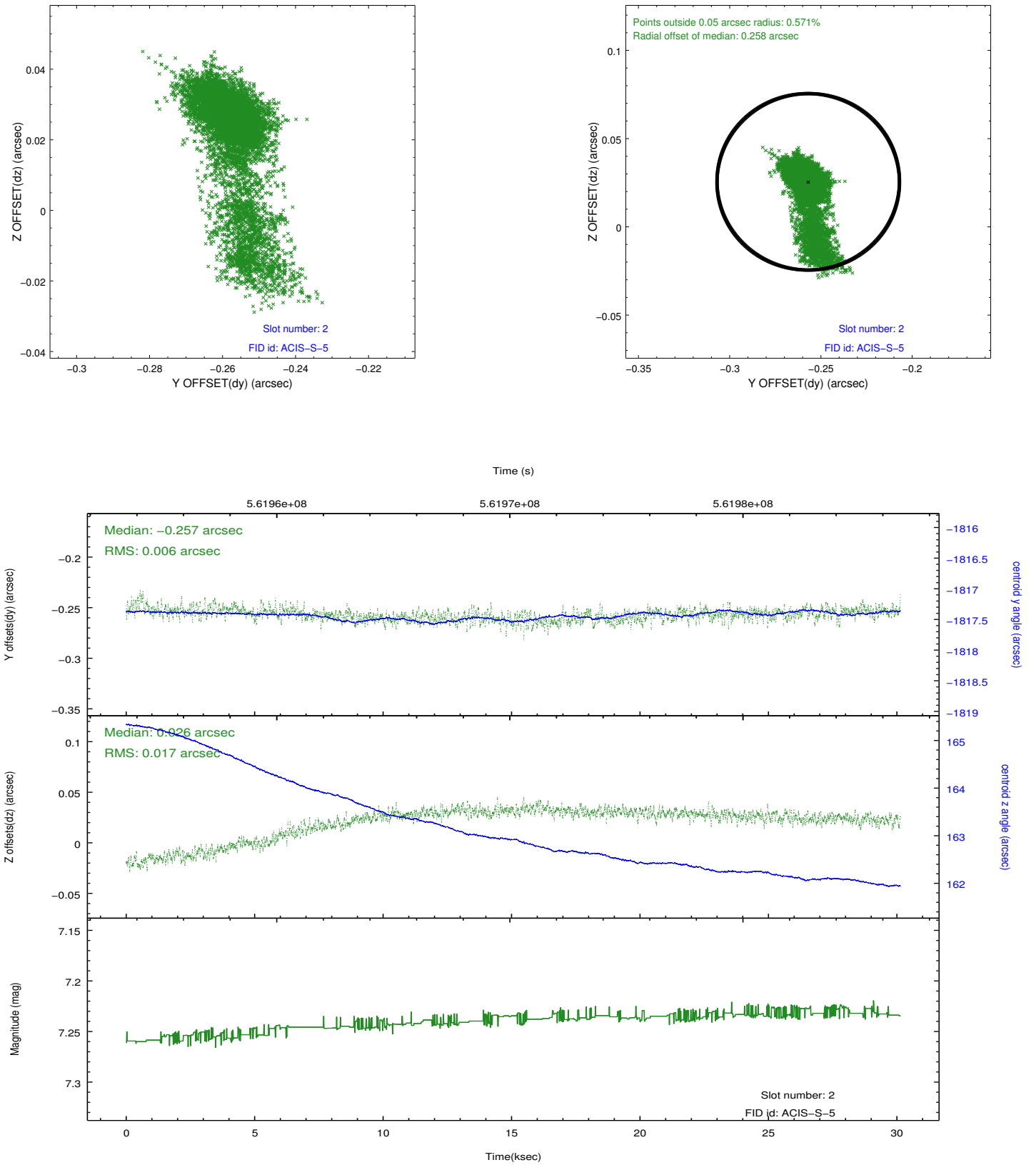
2.5.1 Slot 0



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)	2015.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.06063821137

A.2 Comments