

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 23167 - L2 Version 1
Chandra X-Ray Center

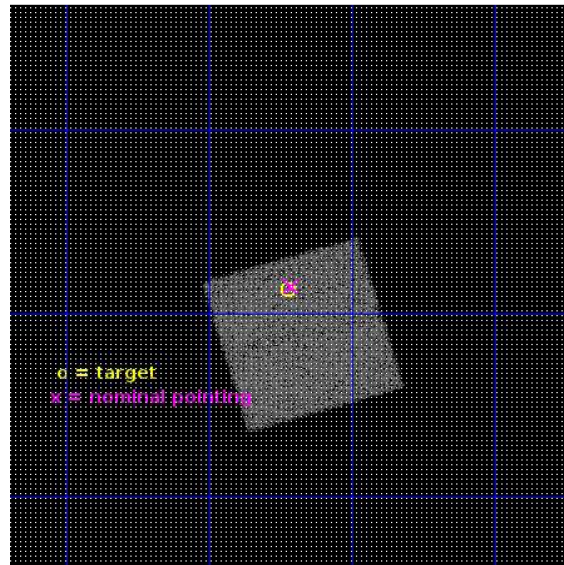
L2 Processing Date : Feb 17 2020

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1 Front

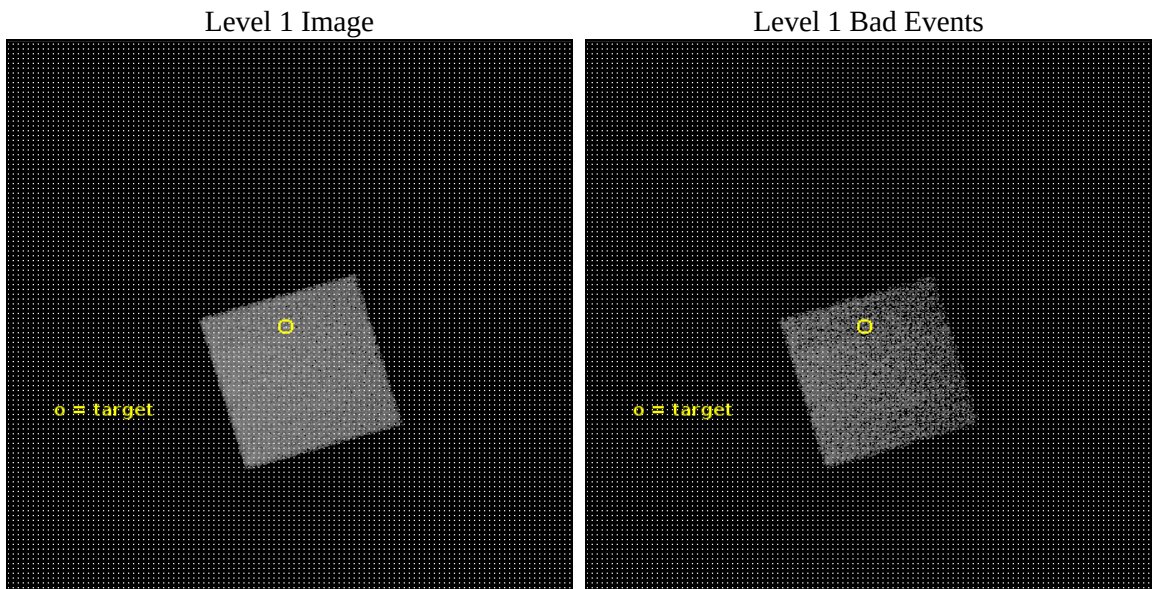
seq_num	704041	Sequence number
obs_id	23167	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	1RXS J180312.7+045128	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	270.805817	Observer's specified target RA [deg]
dec_targ	4.854284	Observer's specified target Dec [deg]
ra_nom	270.80282615346	Nominal RA [deg]
dec_nom	4.8574475976293	Nominal Dec [deg]
roll_nom	73.300121084617	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10092.0	Sum of GTIs [s]
livetime	9955.8045931655	Livetime [s]
ontime7	10092.0	Sum of GTIs [s]
l2events	43707	Number of level 2 events



2 OBI

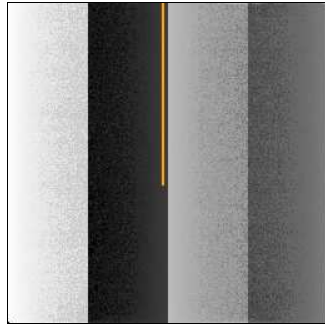
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	10092.0	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime7	10092.0	Sum of GTIs [s]
date	2020-02-17T13:08:40	Date and time of file creation	l1events	101661	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	101661
rejected events	56723
rejected %	55%

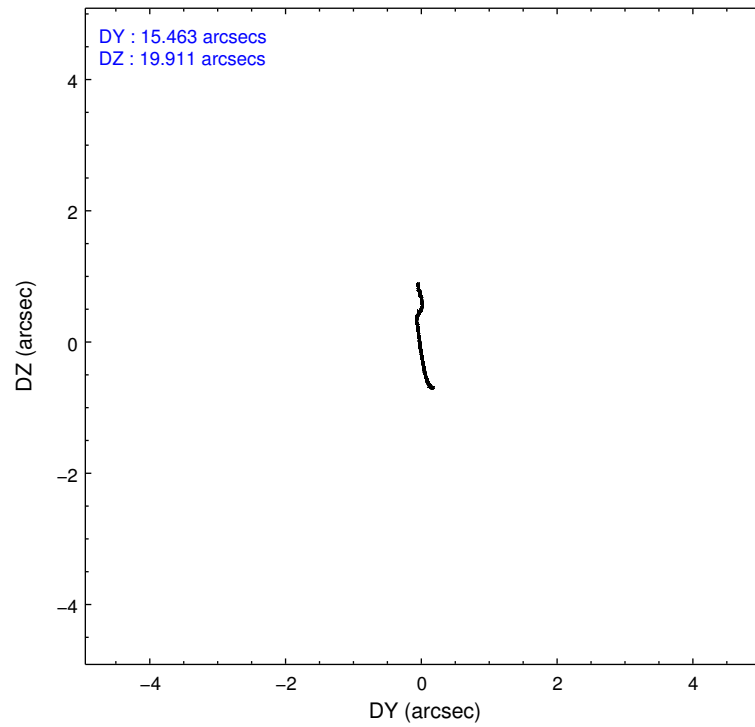
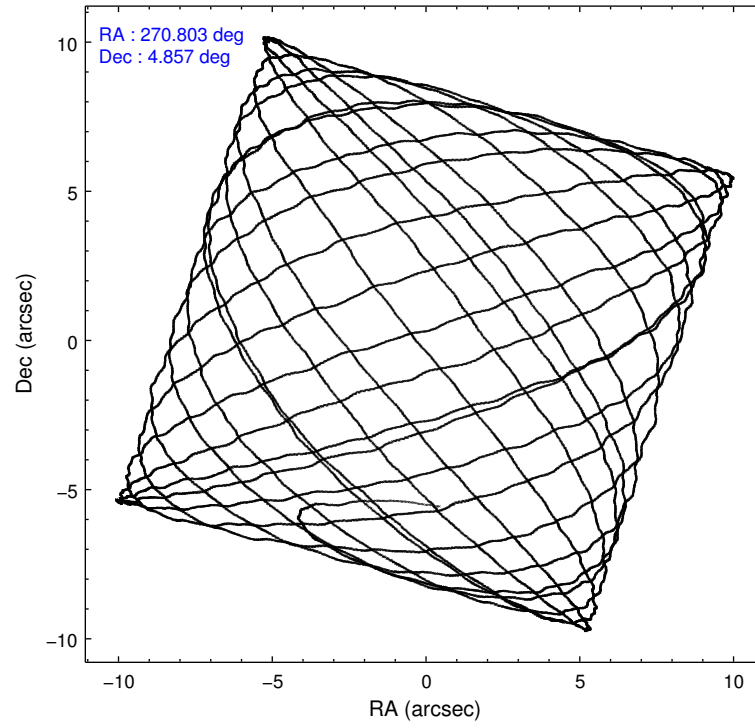
	ccd 7
grade 0 events	3900
	3%
grade 1 events	149
	0%
grade 2 events	9716
	9%
grade 3 events	3444
	3%
grade 4 events	3320
	3%
grade 5 events	9583
	9%
grade 6 events	24565
	24%
grade 7 events	46984
	46%

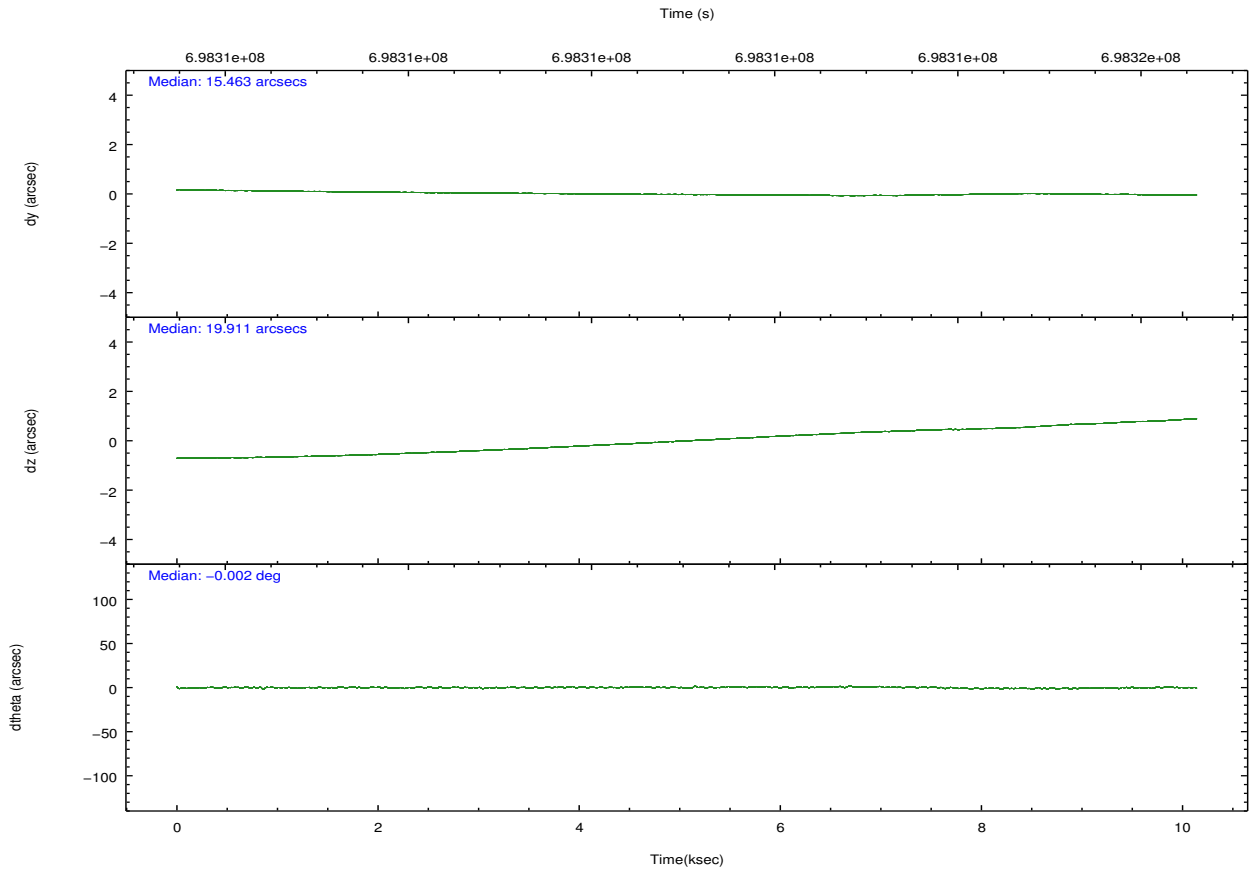
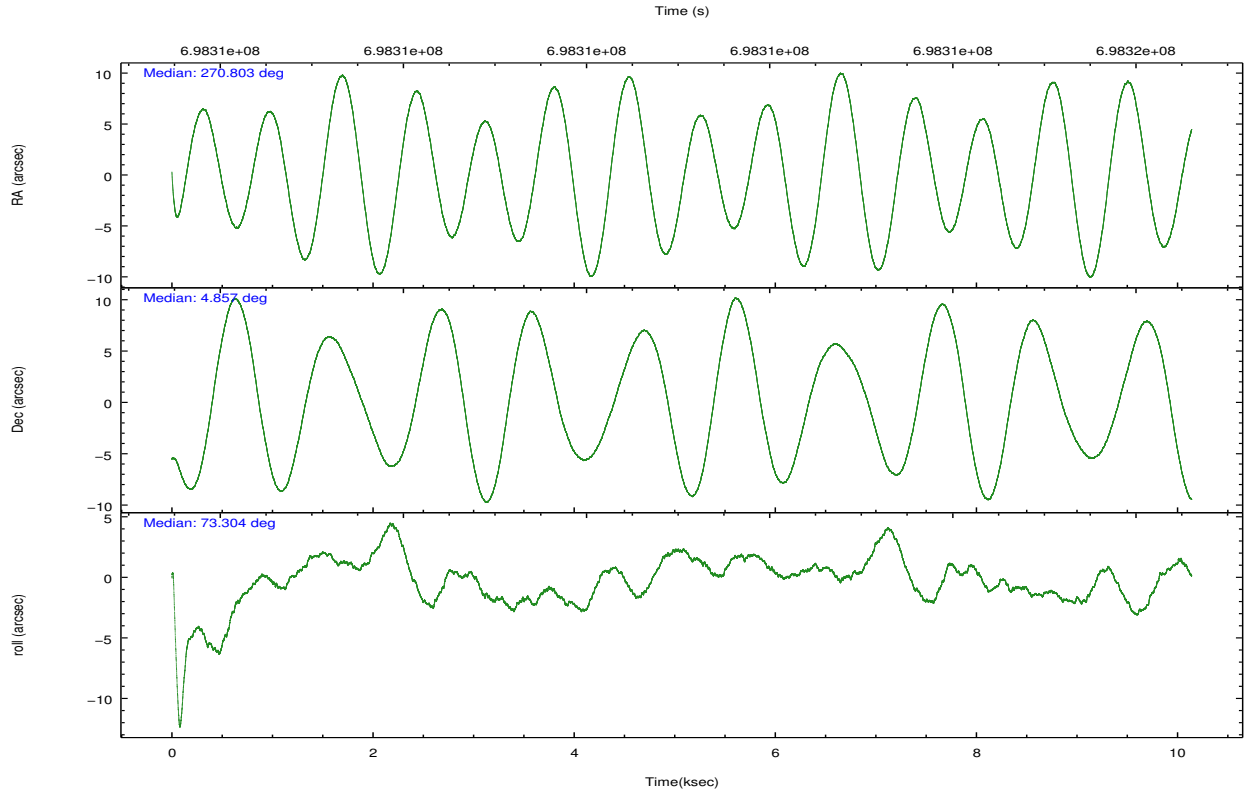
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	270.809510	270.8028261534644
[deg] Pointing Dec	4.830857	4.857447597629252
[deg] Pointing Roll	73.142919	73.30012108461733
[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)	698306133.184000	698304901.46495
Observation start date	2020-02-17T05:54:24	2020-02-17T05:35:01
[s] Observation end time (MET)	698316133.184000	698317122.5406899
Observation end date	2020-02-17T08:41:04	2020-02-17T08:58:42
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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3

2.3 Aspect



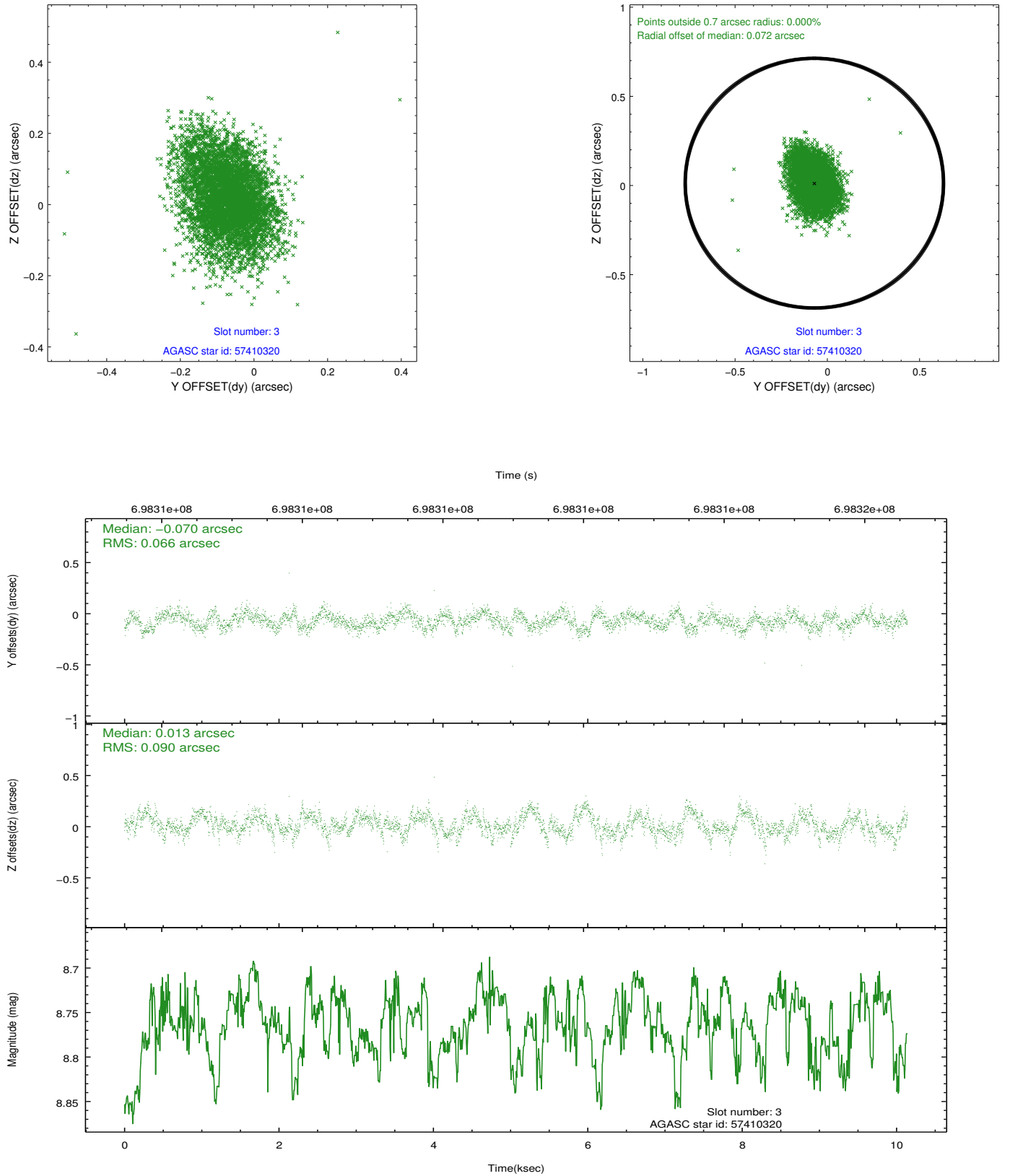


Slot Statistics

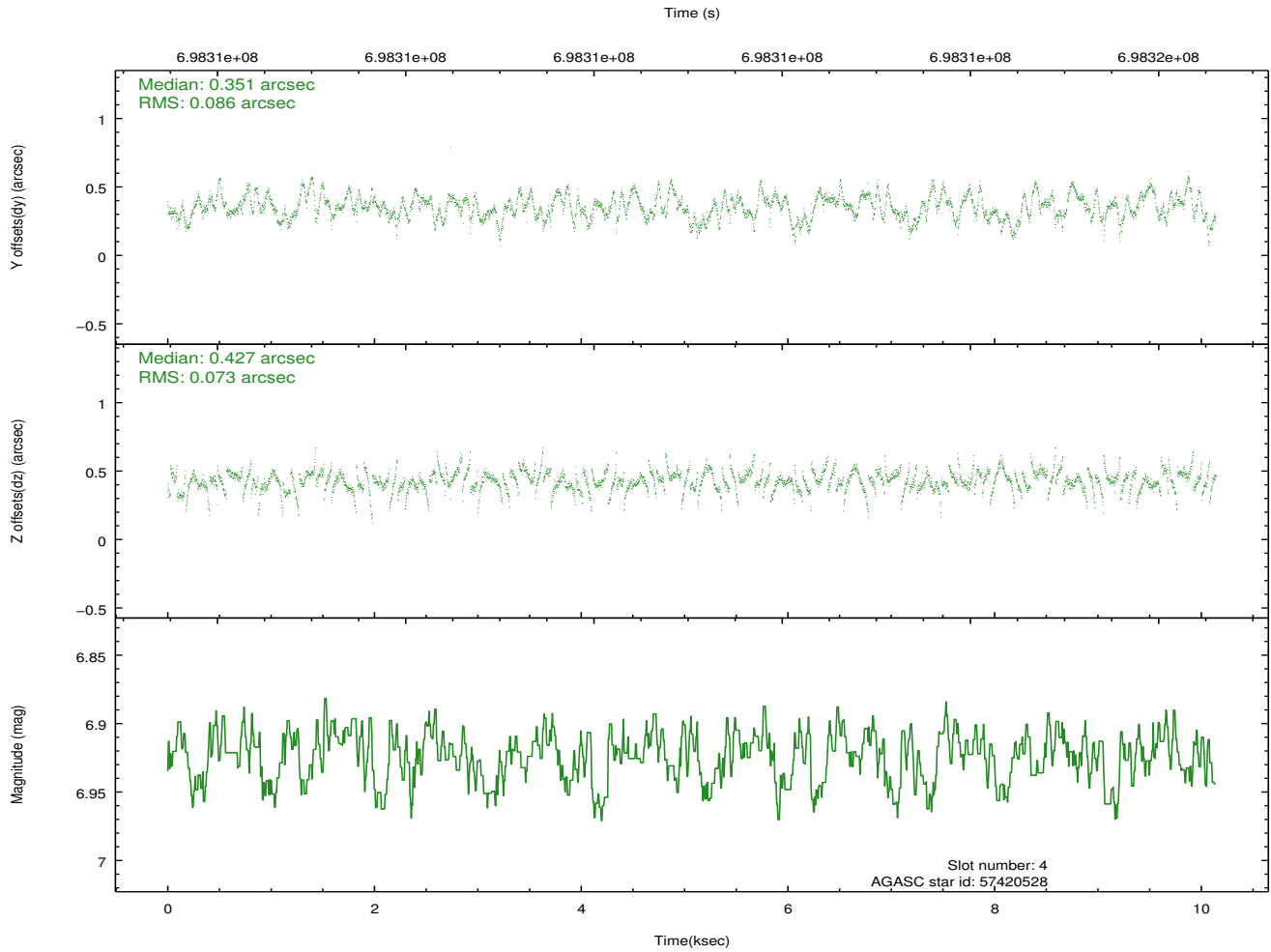
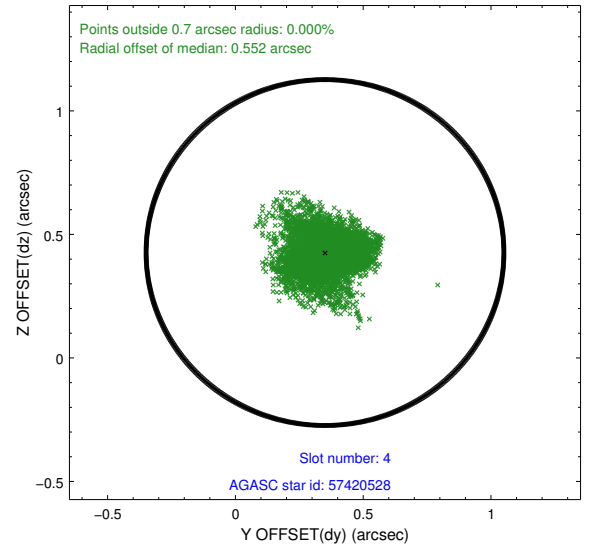
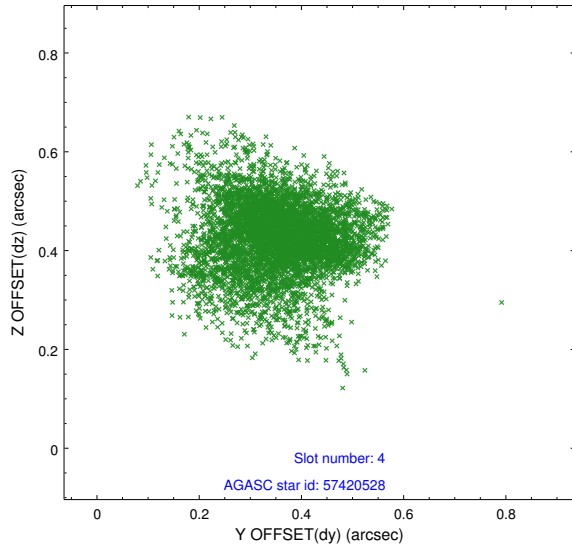
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.07	2473	1.000	-0.493	-0.311	0.009	0.015	0.000000	0.000000	-769.03	-1741
1	FID		ACIS-S-4	7.20	2473	1.000	0.507	0.314	0.010	0.019	0.000000	0.000000	2145.09	166
2	FID		ACIS-S-6	7.35	2474	1.000	-0.042	0.003	0.013	0.024	0.000000	0.000000	394.18	804
3	GUIDE	used	57410320	8.76	4940	1.000	-0.070	0.013	0.118	0.195	270.581656	4.839161	-208.01	790
4	GUIDE	used	57420528	6.92	4947	1.000	0.351	0.427	0.118	0.198	271.406080	4.657185	17.47	-2230
5	GUIDE	used	57426256	8.48	4946	1.000	0.077	0.029	0.111	0.186	270.427430	4.677855	-923.76	1151
6	GUIDE	used	57427928	8.71	4944	1.000	0.271	0.200	0.135	0.226	270.556418	4.373528	-1839.03	392
7	GUIDE	used	57948568	7.94	4945	1.000	-0.618	-0.672	0.090	0.140	270.418305	5.656129	2436.70	2201

2.4 Star Slots

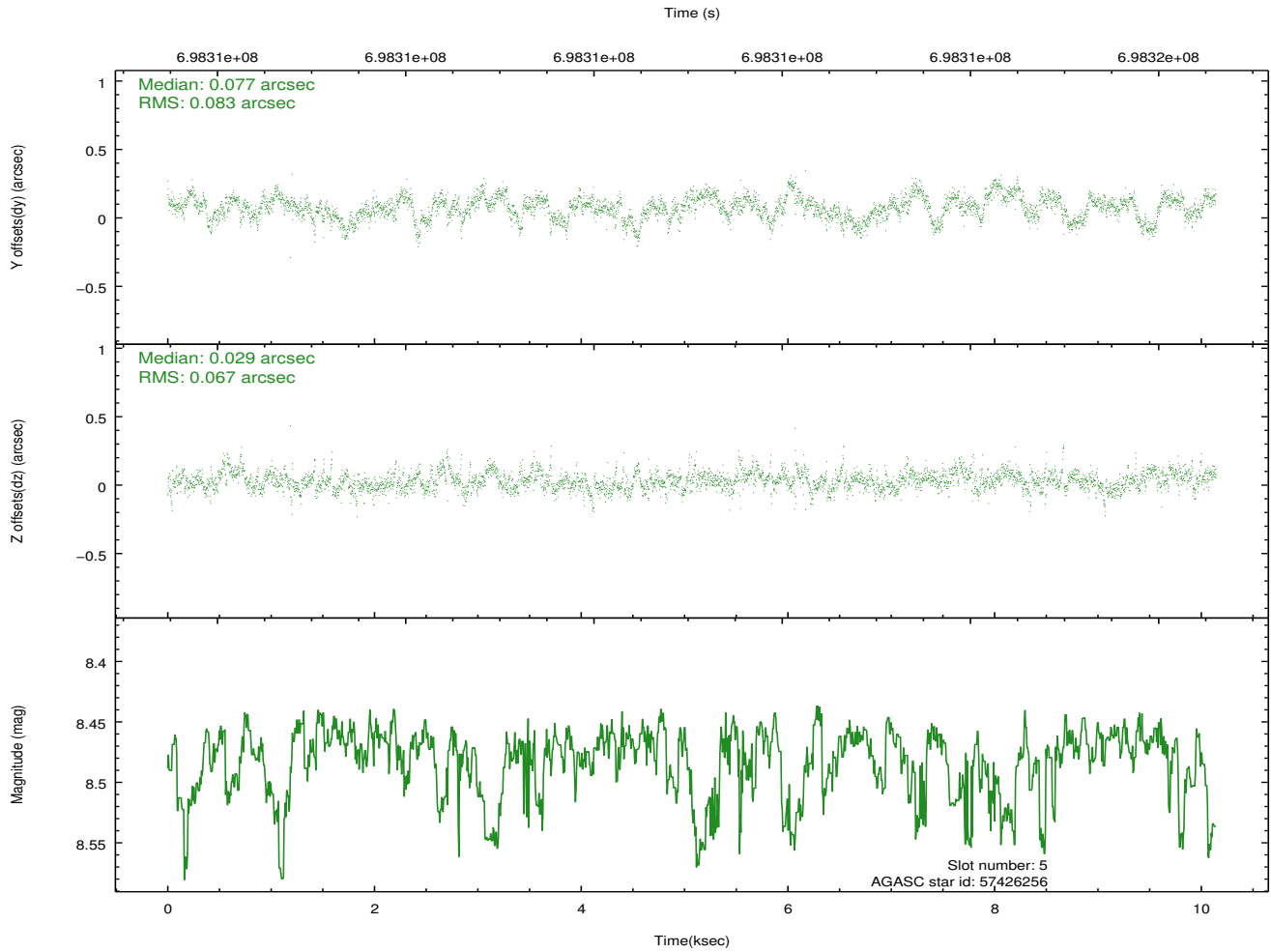
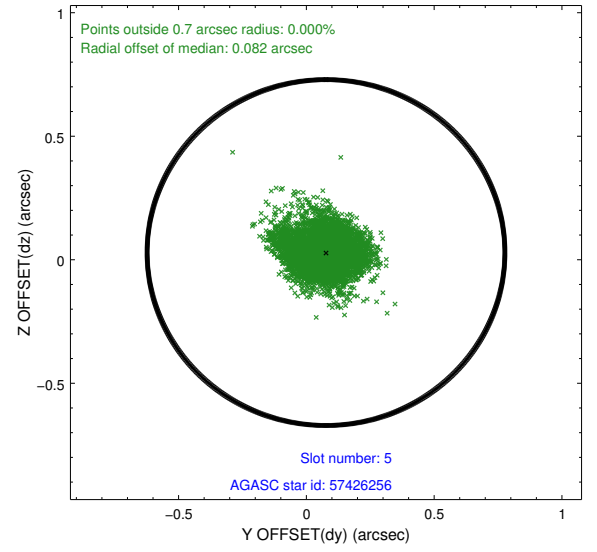
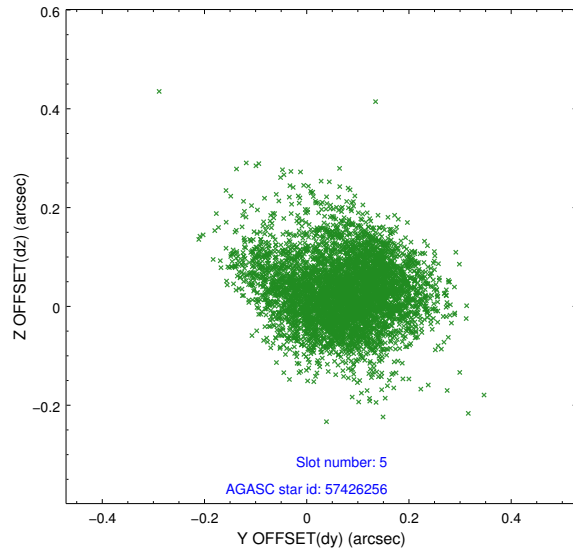
2.4.1 Slot 3



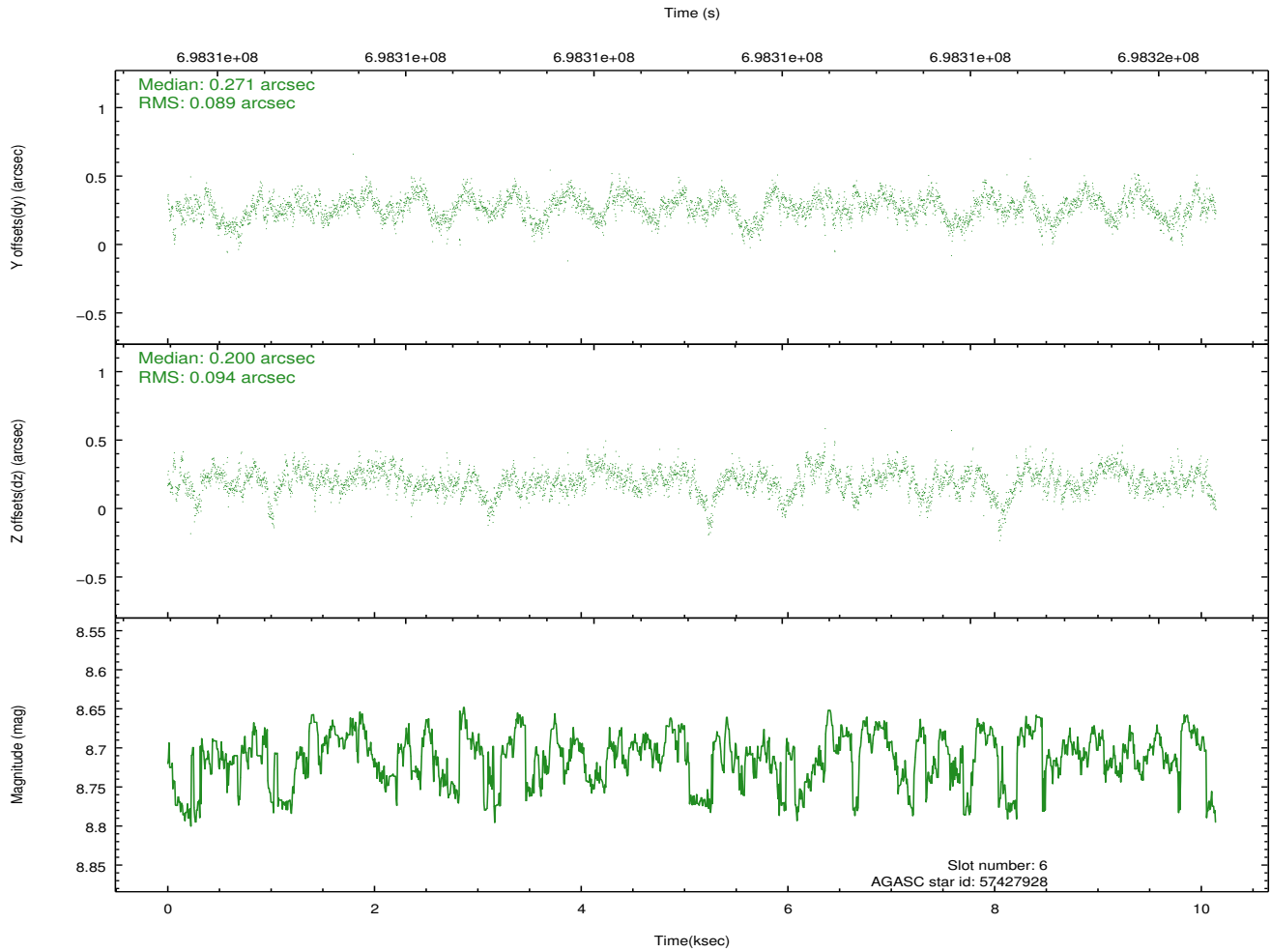
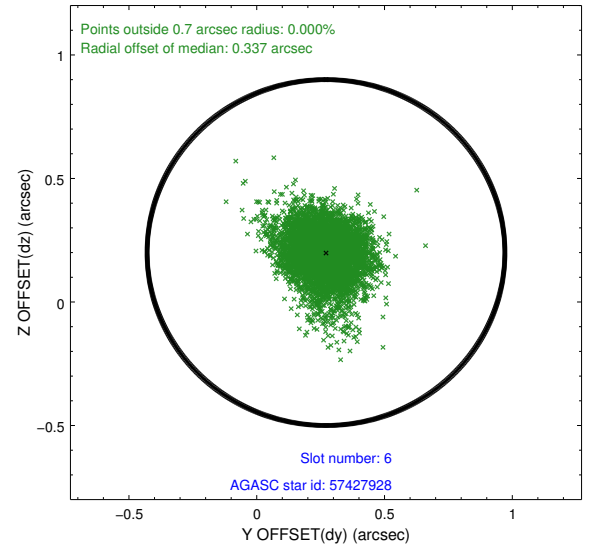
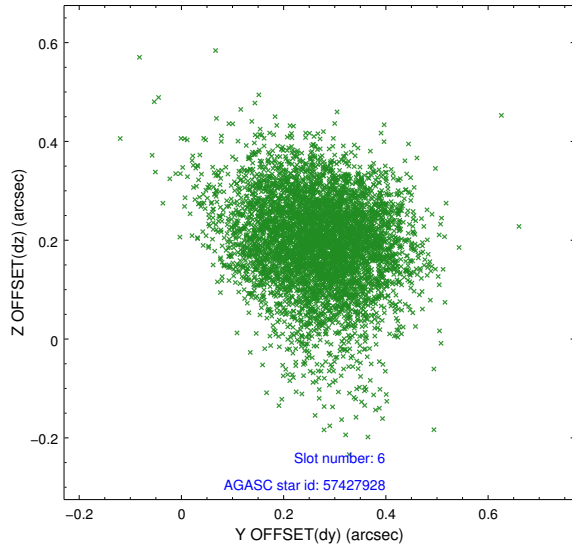
2.4.2 Slot 4



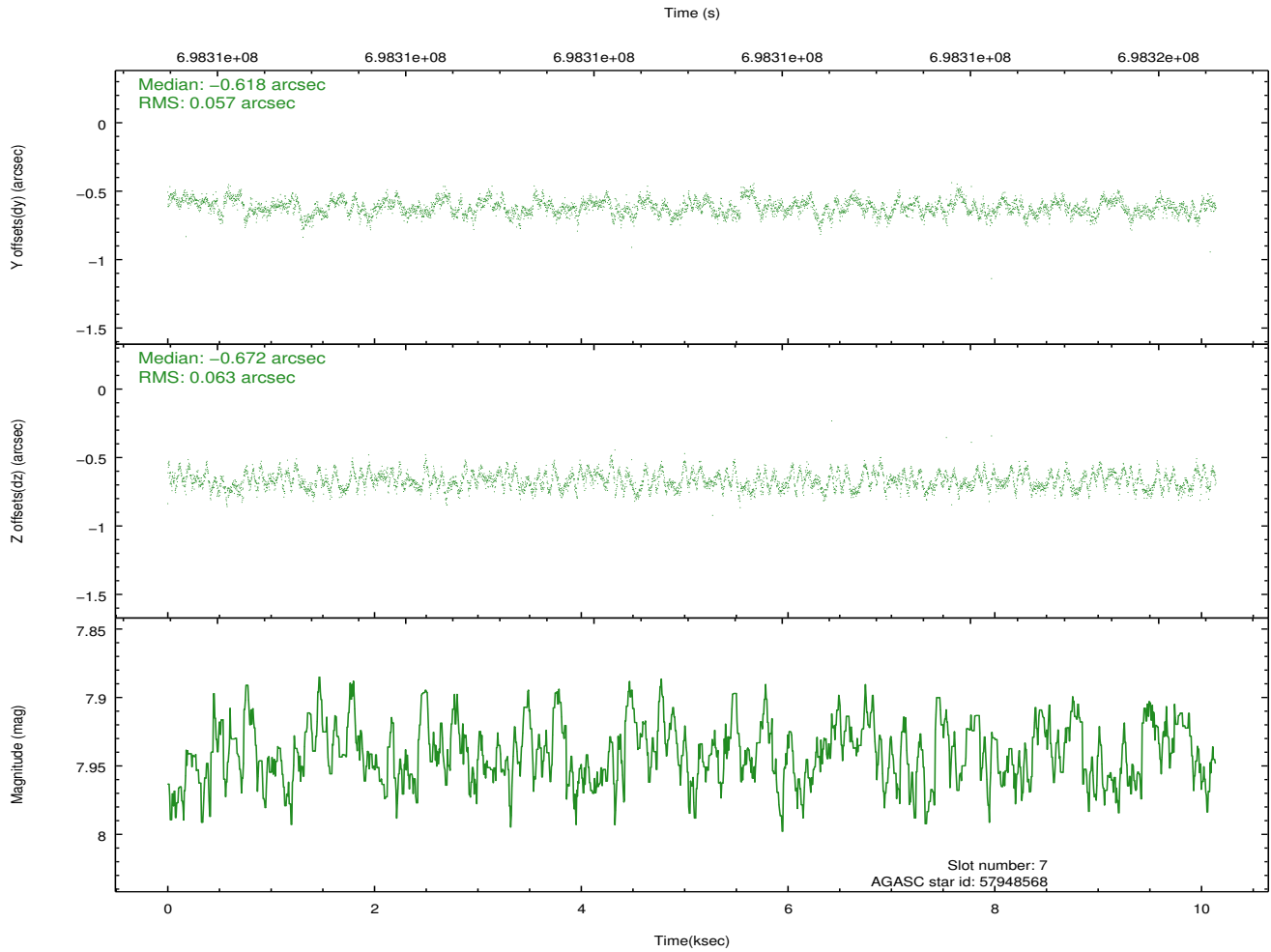
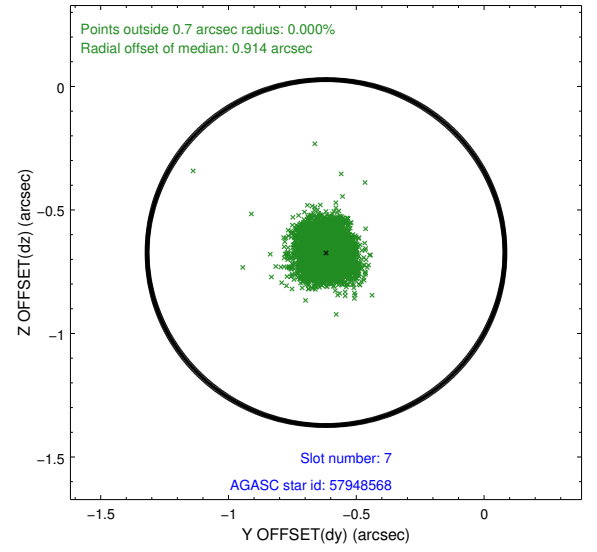
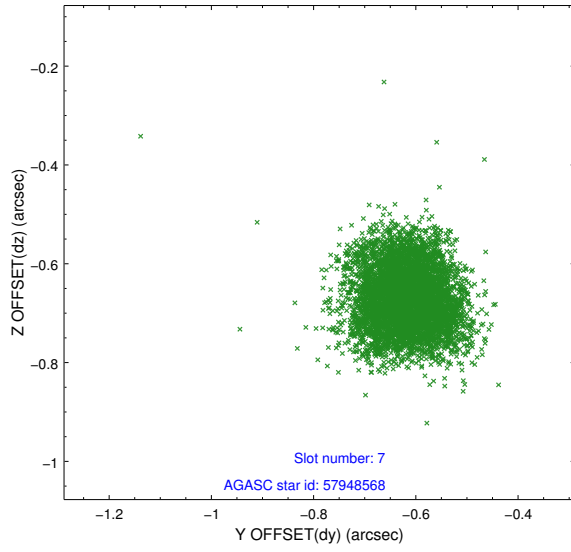
2.4.3 Slot 5



2.4.4 Slot 6

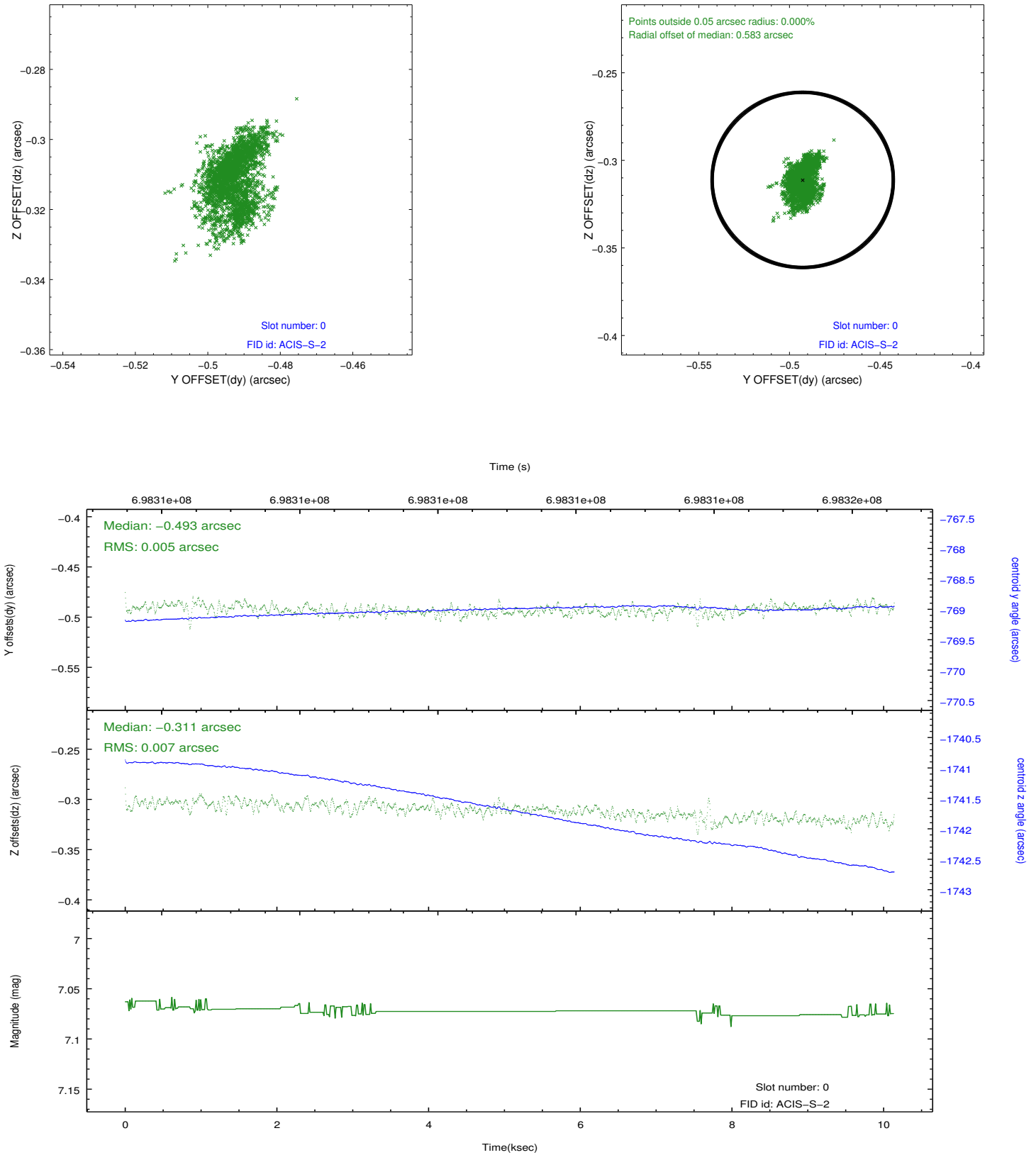


2.4.5 Slot 7

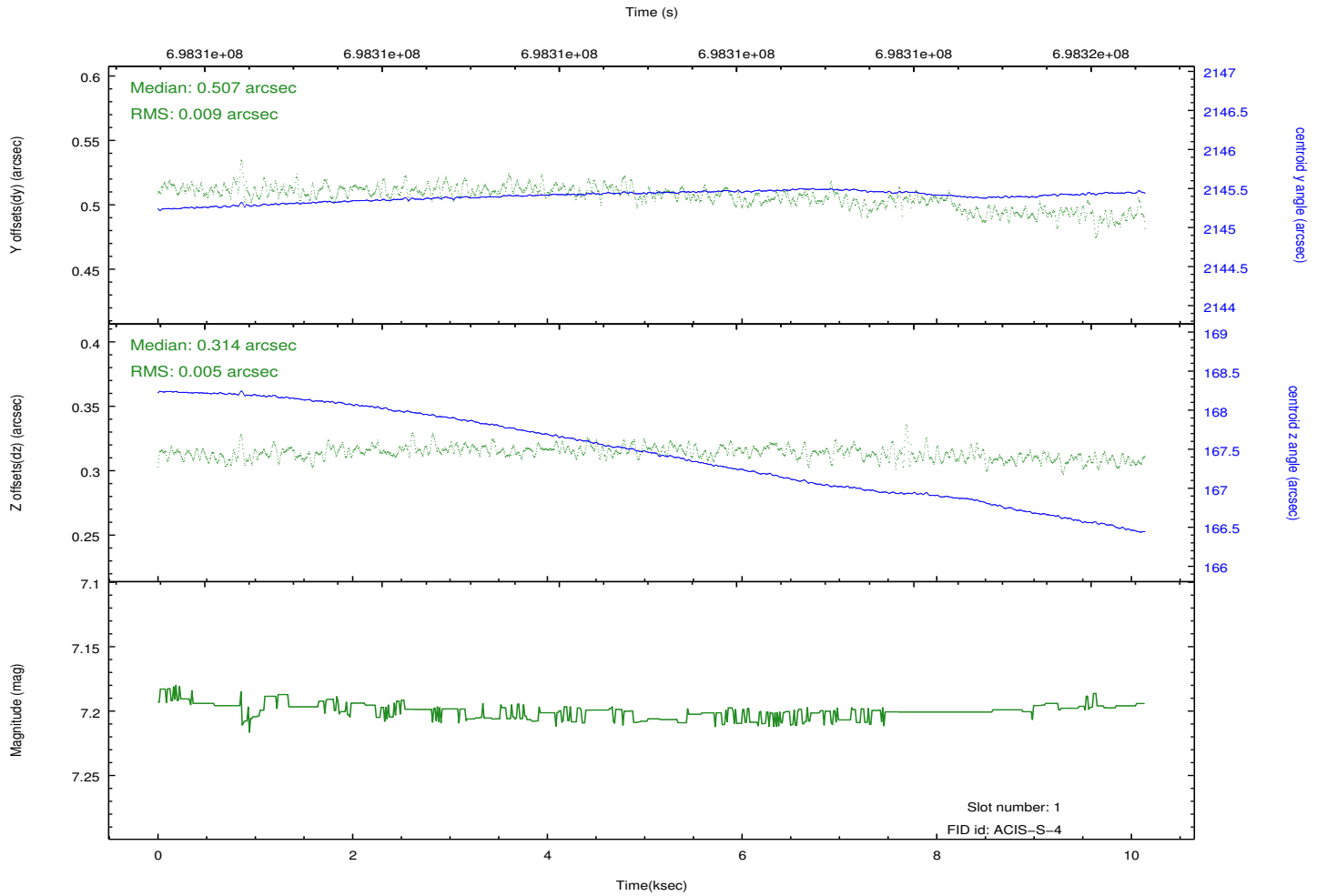
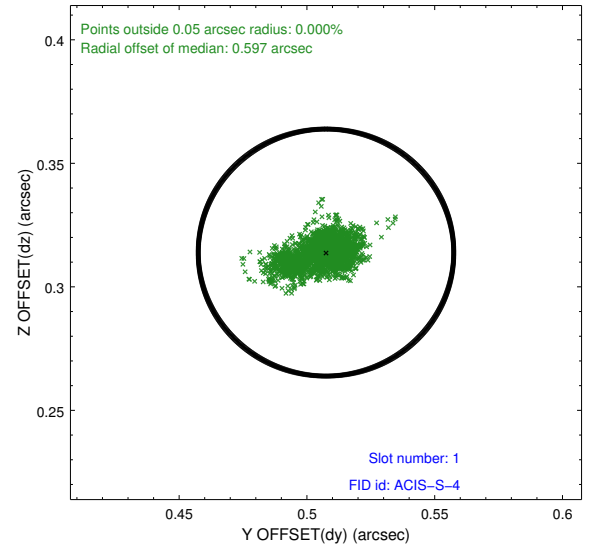
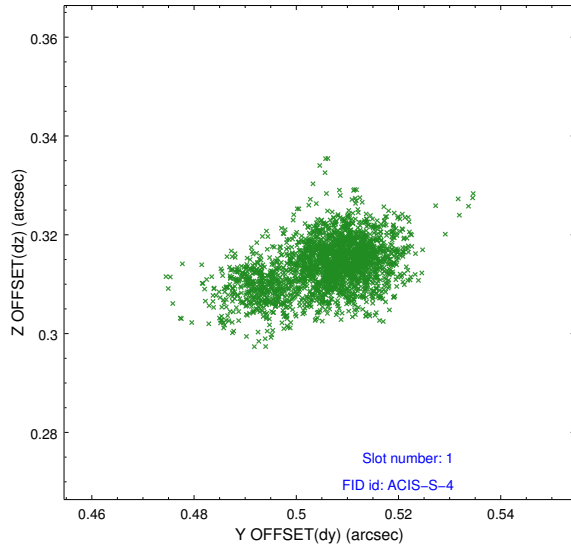


2.5 FID Slots

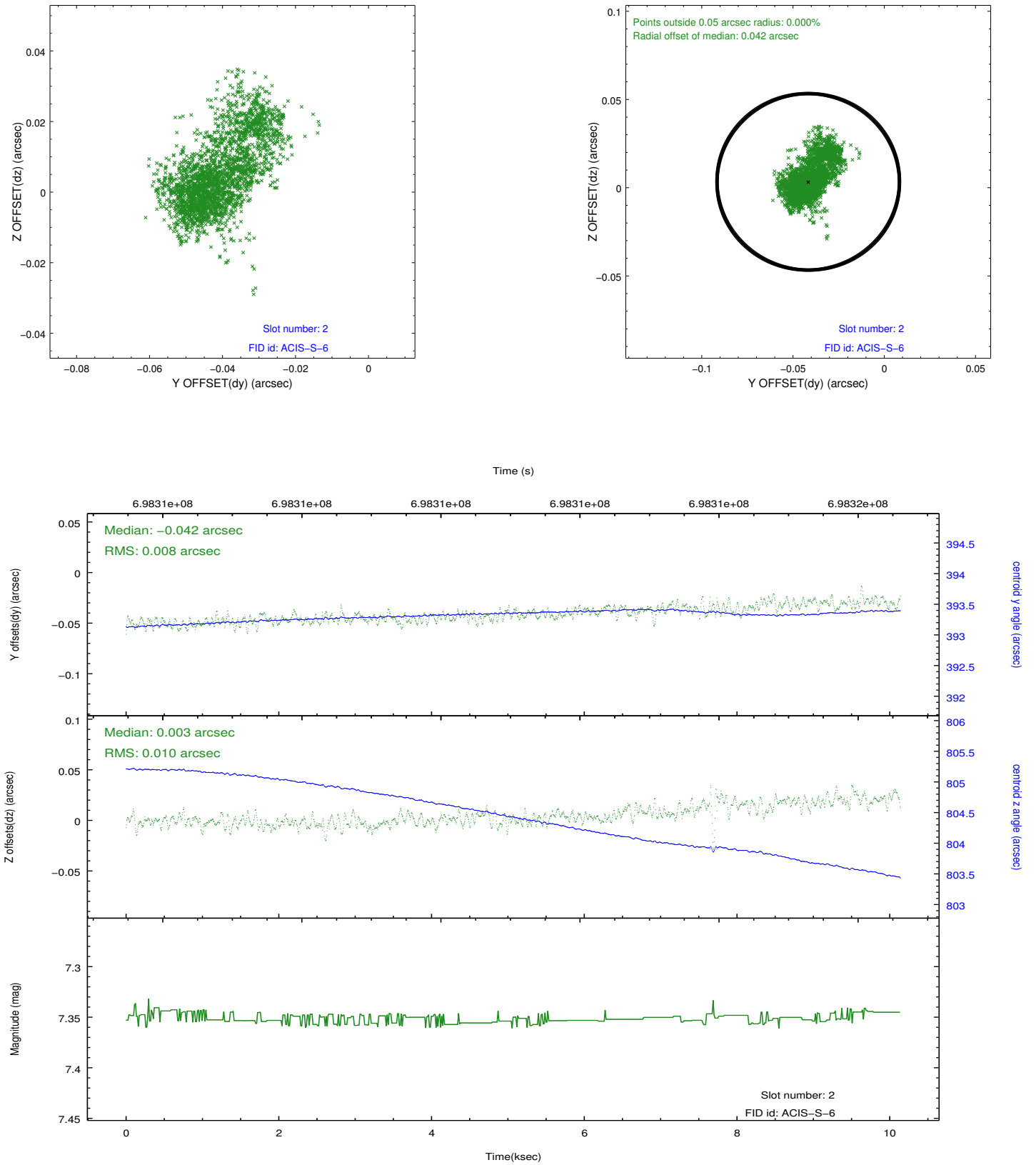
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.02.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.092

A.2 Comments