

V&V Reference Report

L2 ASCDS Version : 10.9

Observation 23336 - L2 Version 1
Chandra X-Ray Center

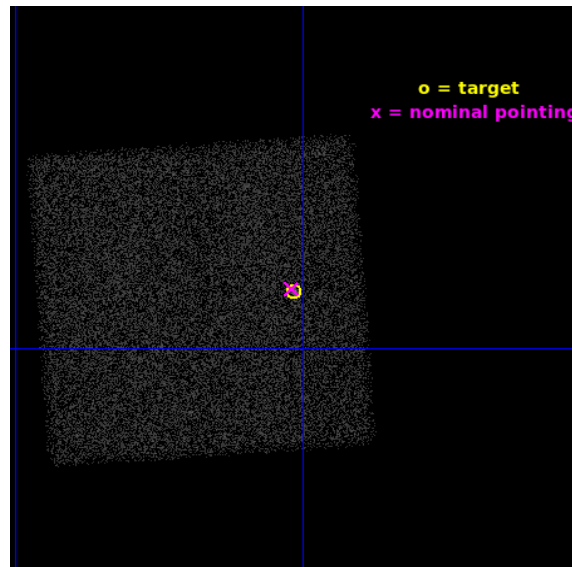
L2 Processing Date : Jul 23 2020

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1 Front

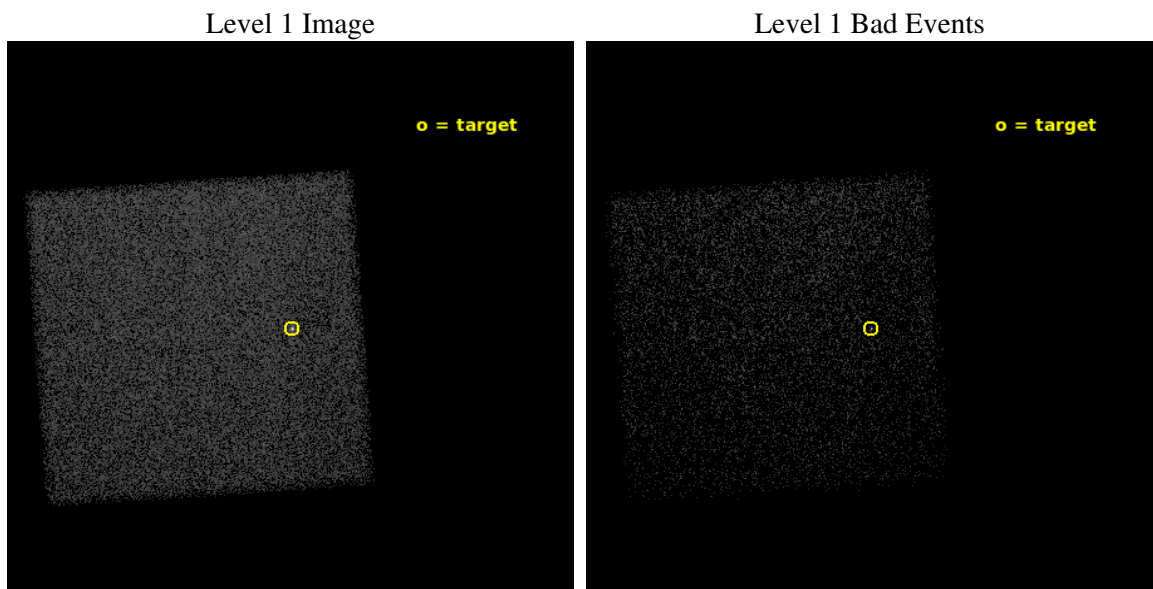
seq_num	704055	Sequence number
obs_id	23336	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	1RXS J200830.7+002134	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	302.128723	Observer's specified target RA [deg]
dec_targ	0.359323	Observer's specified target Dec [deg]
ra_nom	302.12942673052	Nominal RA [deg]
dec_nom	0.36065984360867	Nominal Dec [deg]
roll_nom	175.9938719927	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10090.583792686	Sum of GTIs [s]
livetime	9954.4074981123	Livetime [s]
ontime7	10090.583792686	Sum of GTIs [s]
l2events	44739	Number of level 2 events



2 OBI

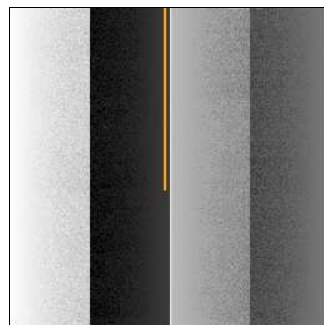
2.1 OBI

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	10.9	Processing system revision	ontime	10090.583792686	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	10090.583792686	Sum of GTIs [s]
date	2020-07-23T12:00:54	Date and time of file creation	l1events	102879	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	102879
rejected events	56822
rejected %	55%

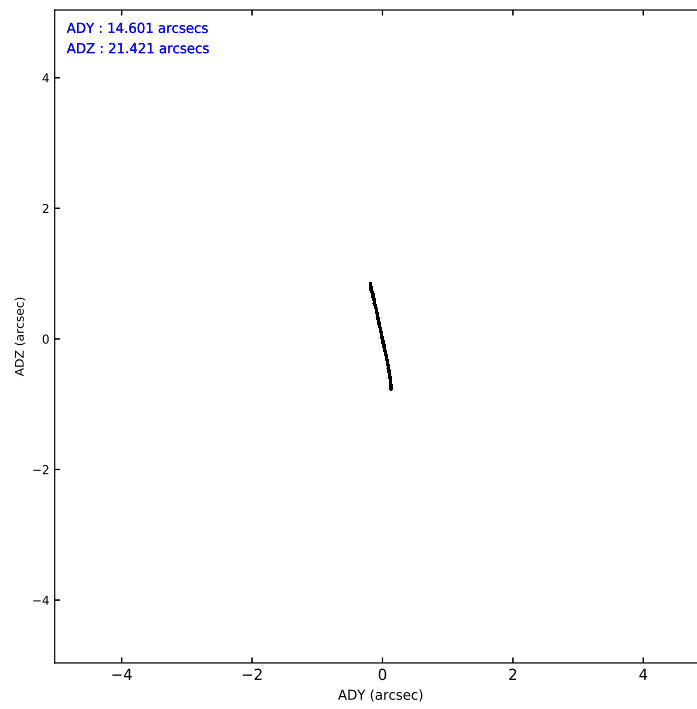
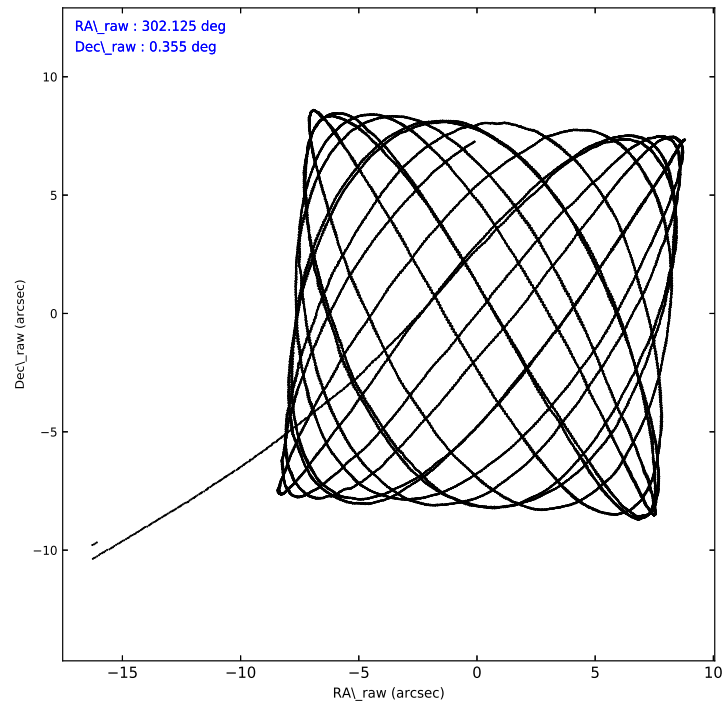
	ccd 7
grade 0 events	4198
	4%
grade 1 events	178
	0%
grade 2 events	10026
	9%
grade 3 events	3668
	3%
grade 4 events	3532
	3%
grade 5 events	10199
	9%
grade 6 events	24656
	23%
grade 7 events	46422
	45%

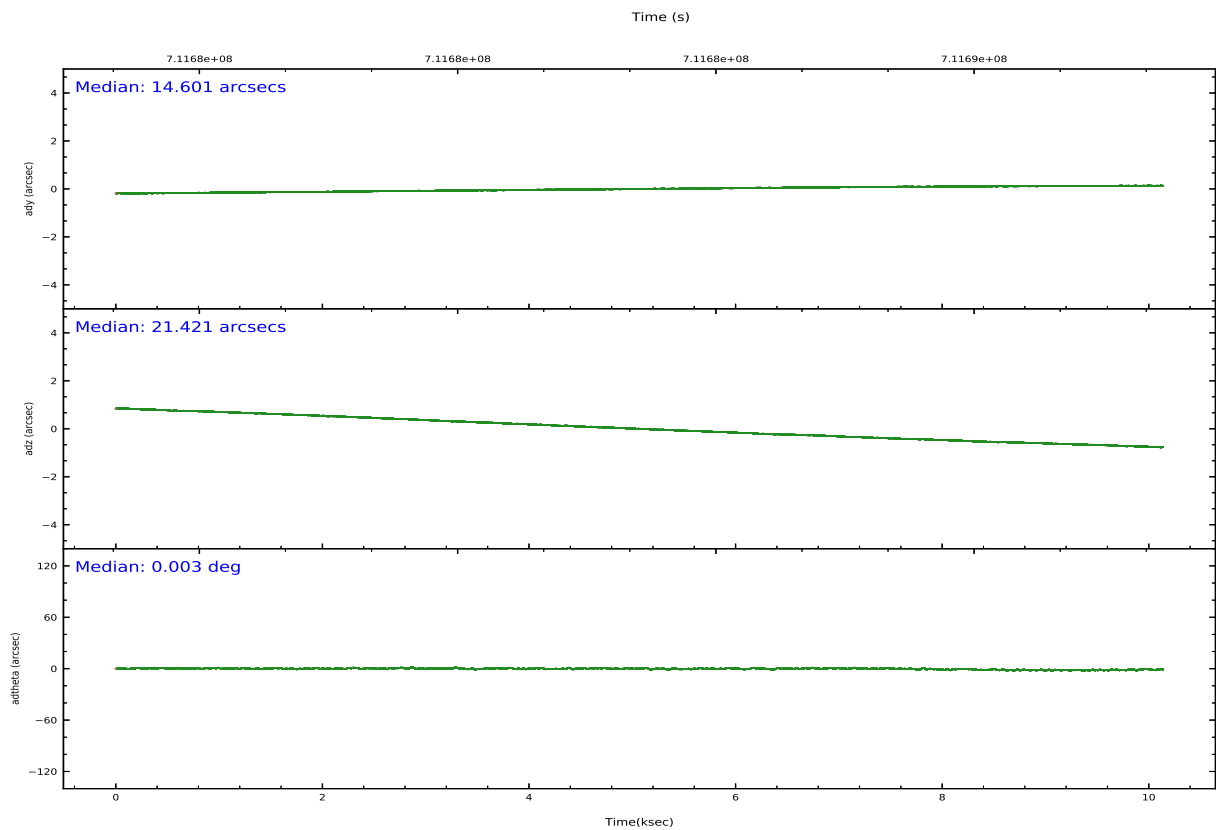
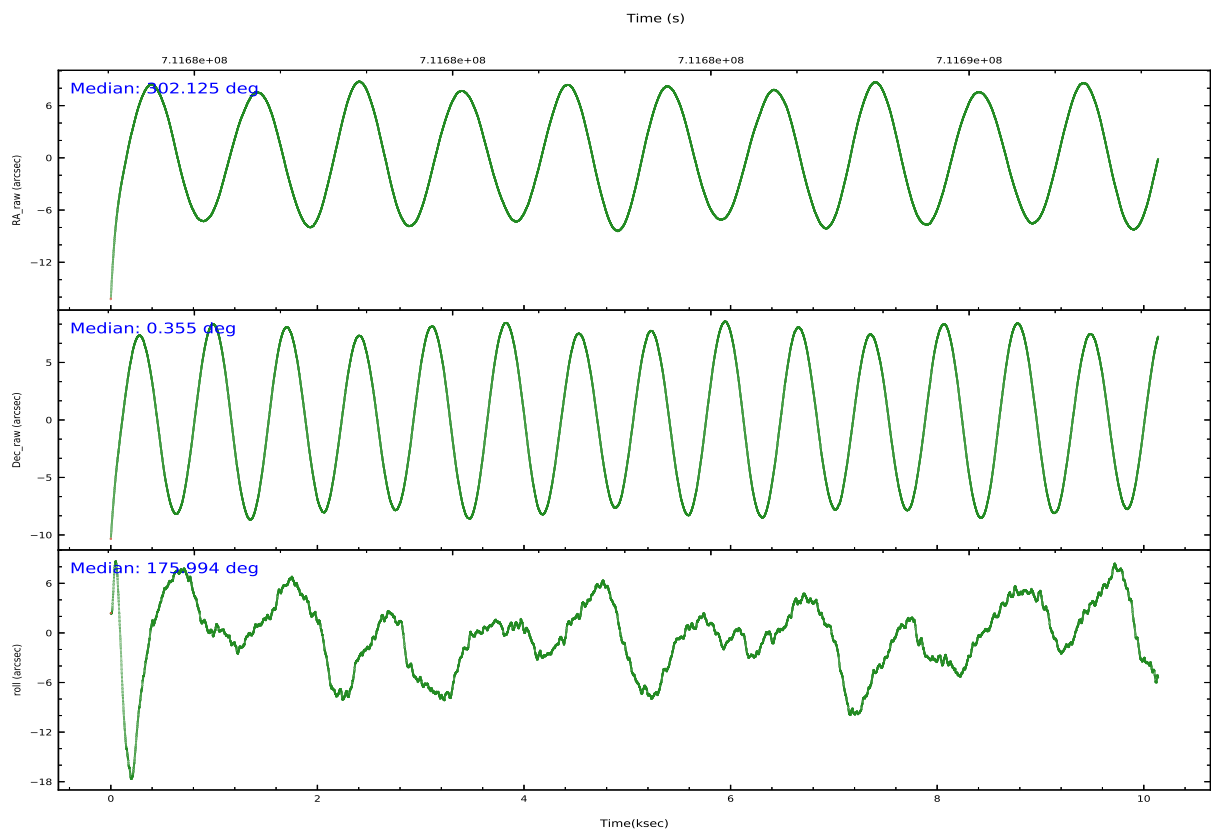
2.2 Compared Parameters

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	302.149328	302.12942673052
[deg] Pointing Dec	0.367478	0.36065984360867
[deg] Pointing Roll	175.839382	175.9938719927
[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)	711679330.184000	711678063.2124701
Observation start date	2020-07-21T00:41:01	2020-07-21T00:21:03
[s] Observation end time (MET)	711689330.184000	711690560.01323
Observation end date	2020-07-21T03:27:41	2020-07-21T03:49:20
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
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



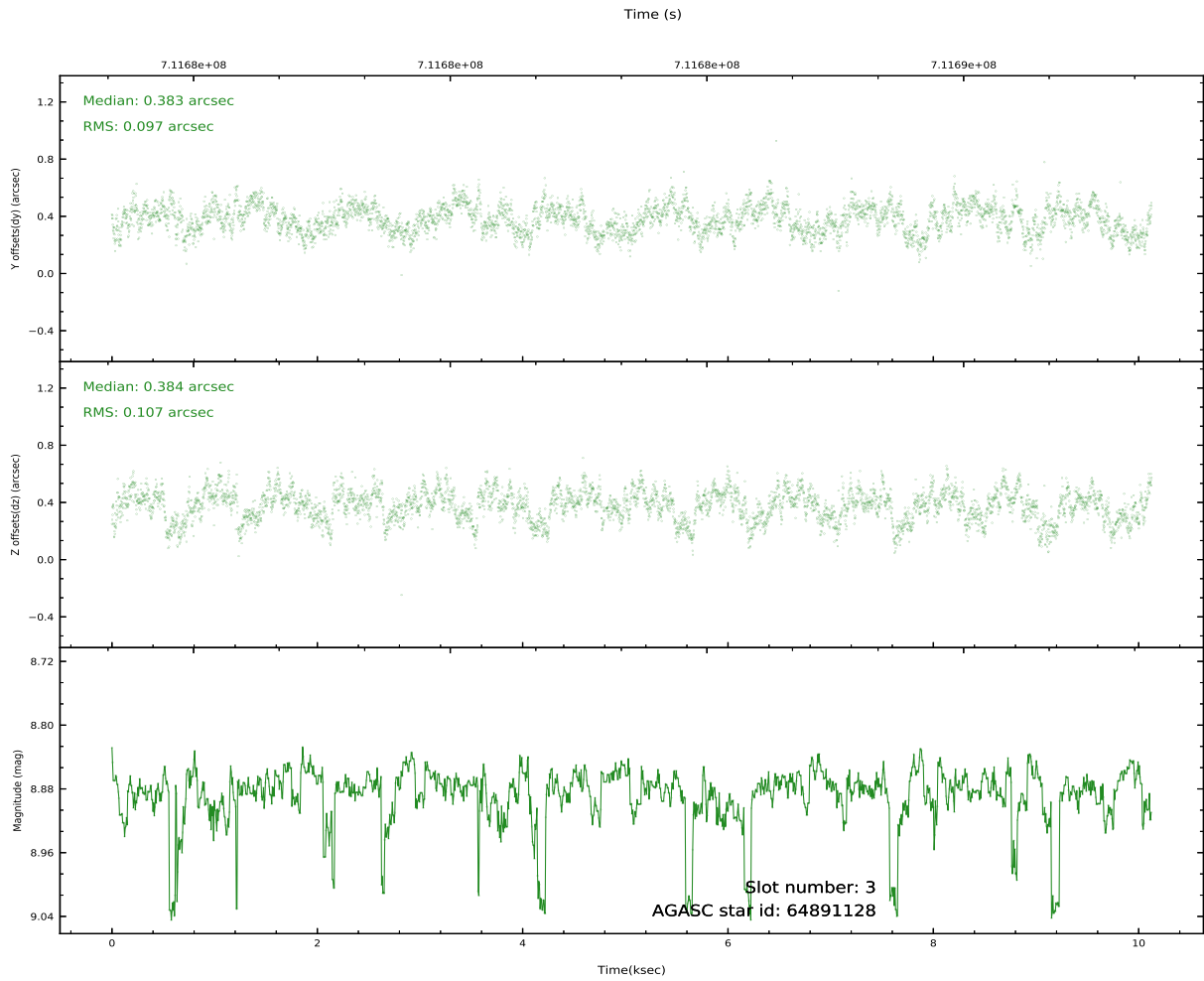
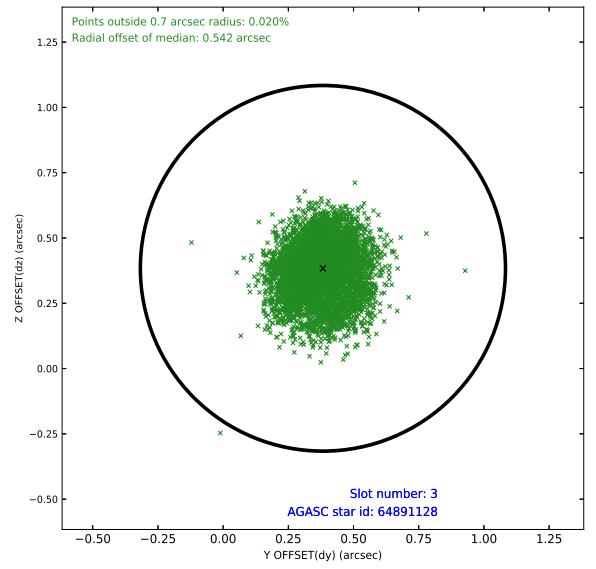
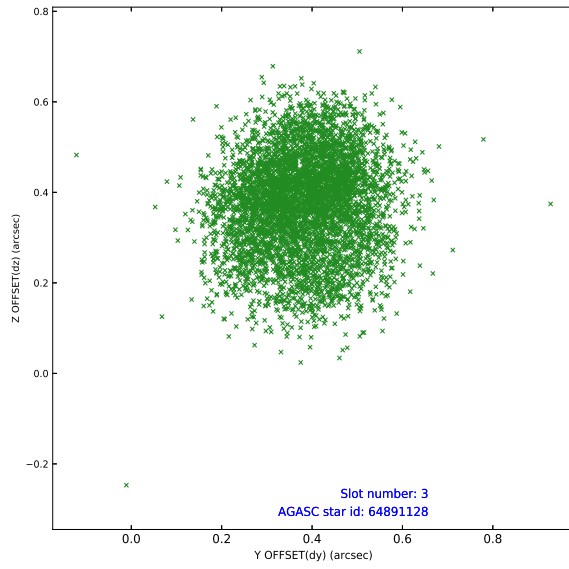


Slot Statistics

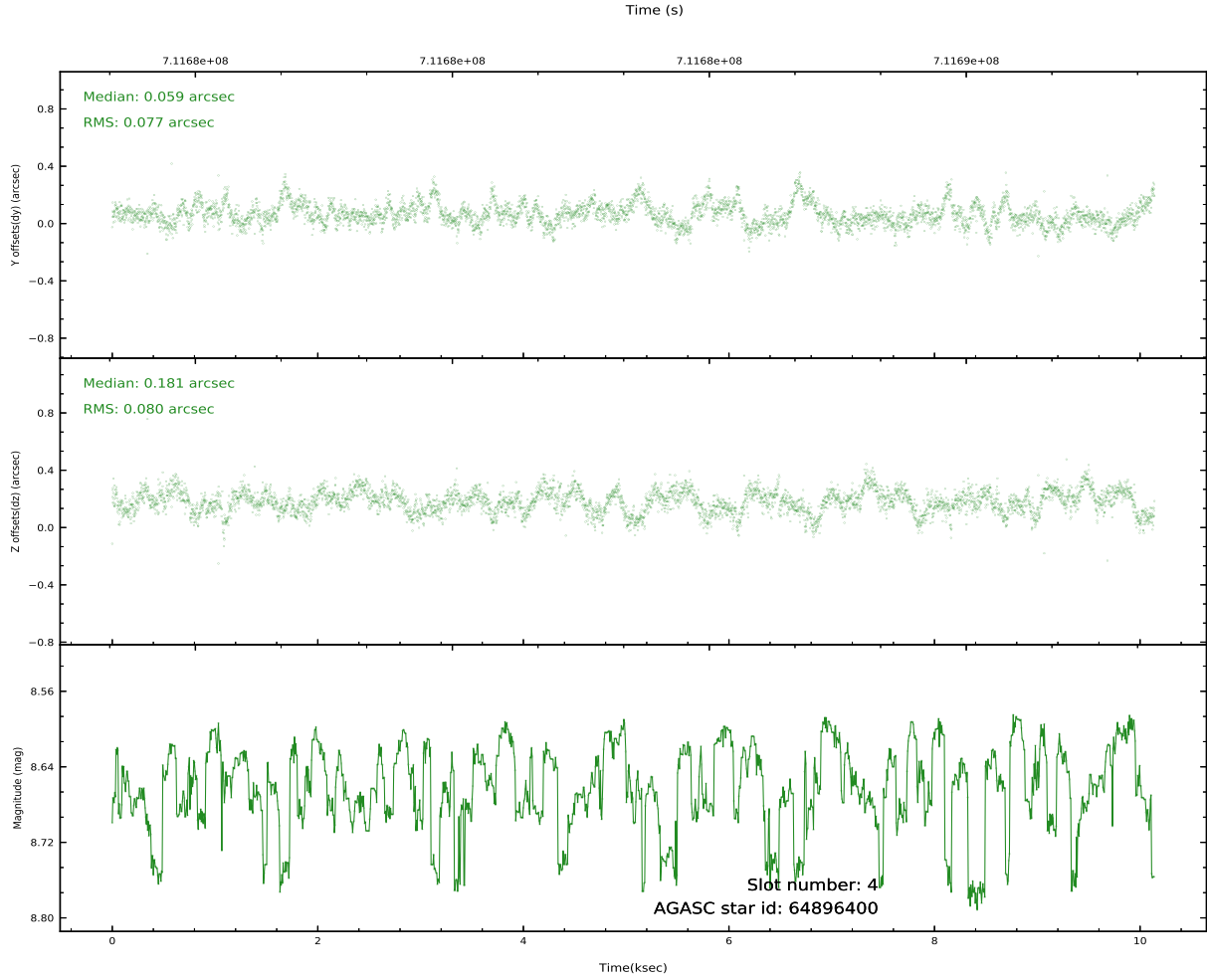
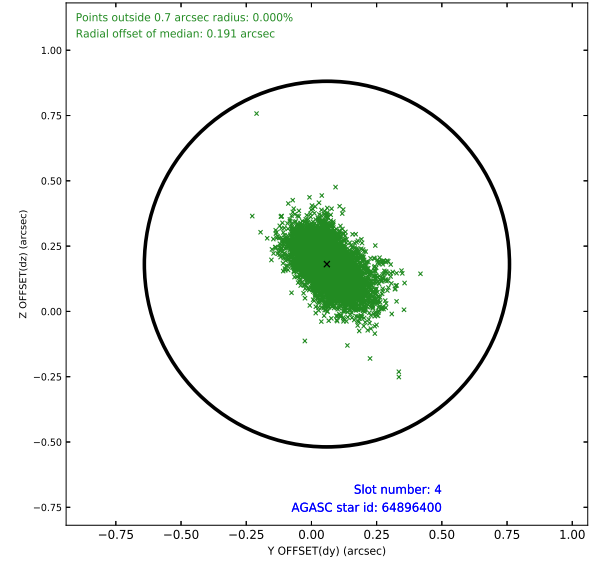
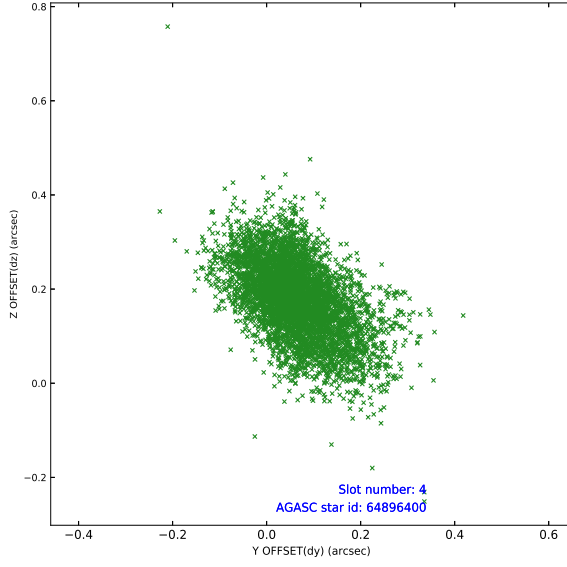
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.09	2474	1.000	0.340	-0.190	0.020	0.033	0.000000	0.000000	928.57	-1738
1	FID		ACIS-S-5	7.10	2474	1.000	-0.282	0.277	0.011	0.017	0.000000	0.000000	-1820.49	158
2	FID		ACIS-S-6	7.25	2474	1.000	-0.080	-0.075	0.024	0.035	0.000000	0.000000	393.50	802
3	GUIDE	used	64891128	8.88	4931	1.000	0.383	0.384	0.158	0.241	302.794831	0.560872	-2266.47	-863
4	GUIDE	used	64896400	8.66	4943	1.000	0.059	0.181	0.114	0.202	302.363416	0.115940	-834.58	846
5	GUIDE	used	676339208	7.92	4943	1.000	-0.116	-0.138	0.093	0.165	301.709905	-0.133593	1447.19	1913
6	GUIDE	used	676480280	7.46	4946	1.000	-0.169	-0.304	0.097	0.161	302.102816	-0.297581	-6.46	2399
7	GUIDE	used	676334808	8.81	4934	1.000	-0.165	-0.136	0.169	0.298	301.840475	-0.291027	937.07	2444

2.4 Star Slots

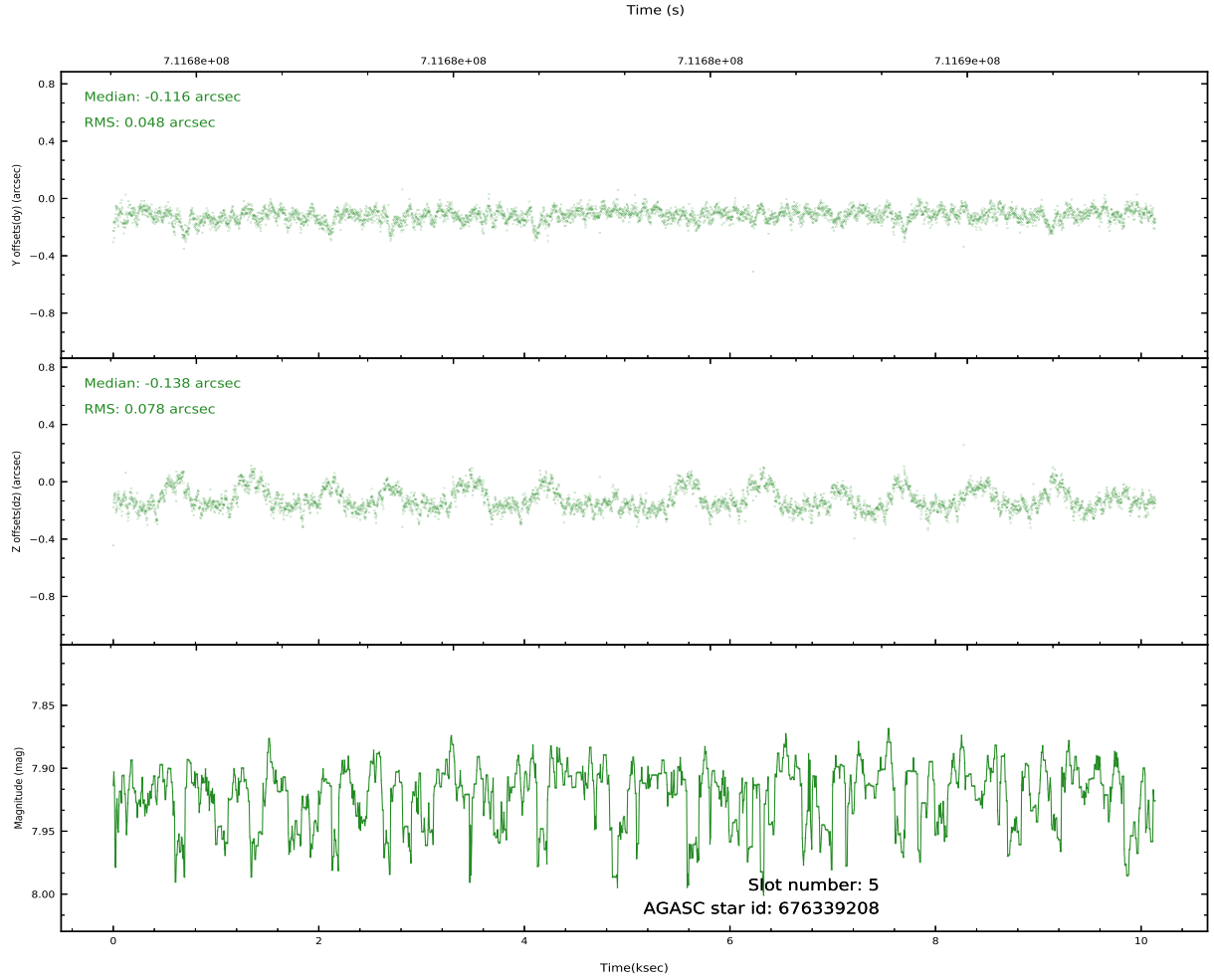
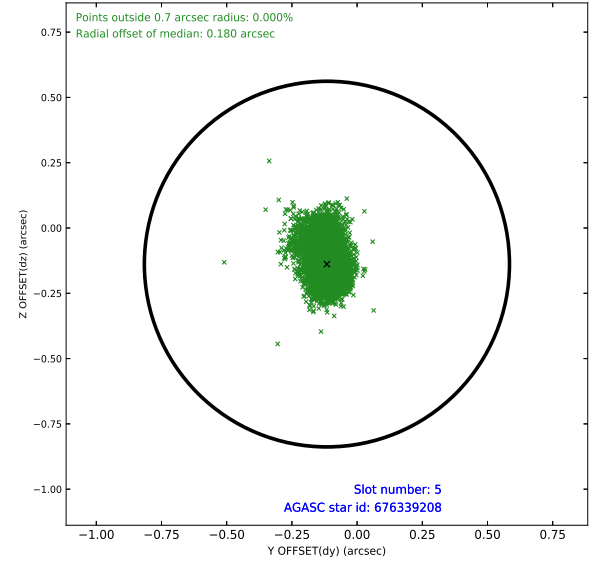
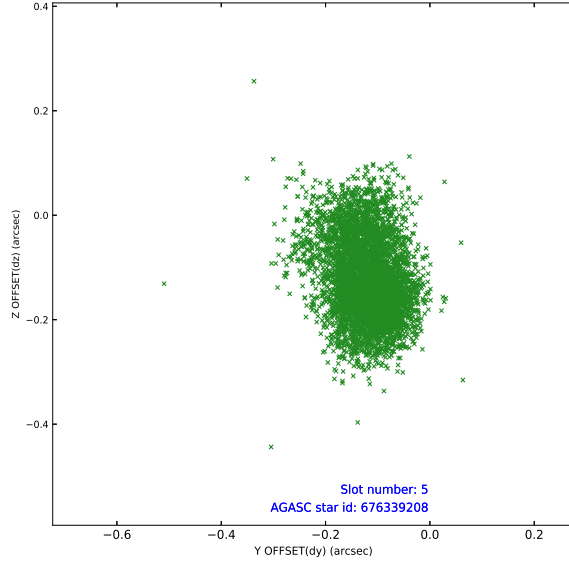
2.4.1 Slot 3



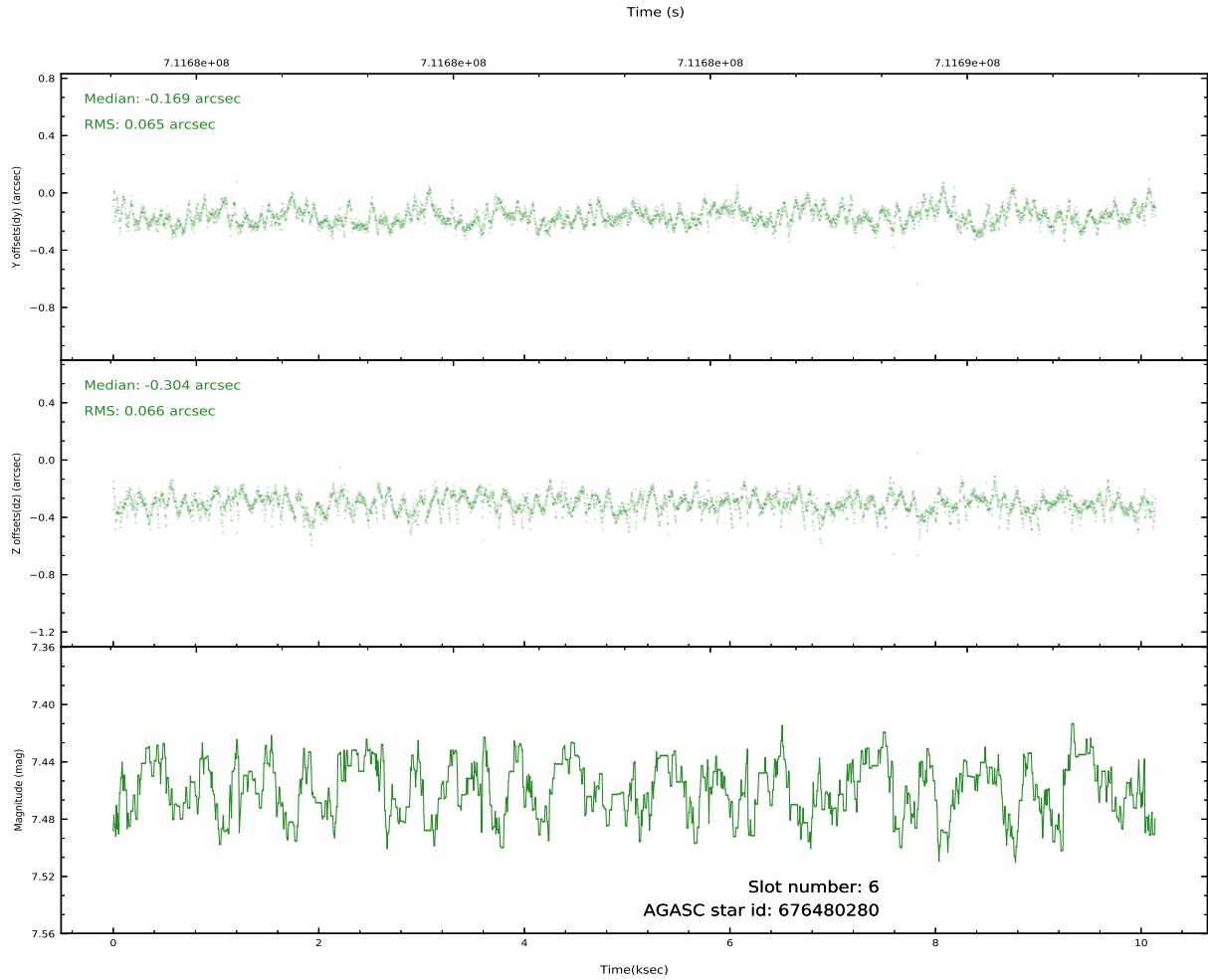
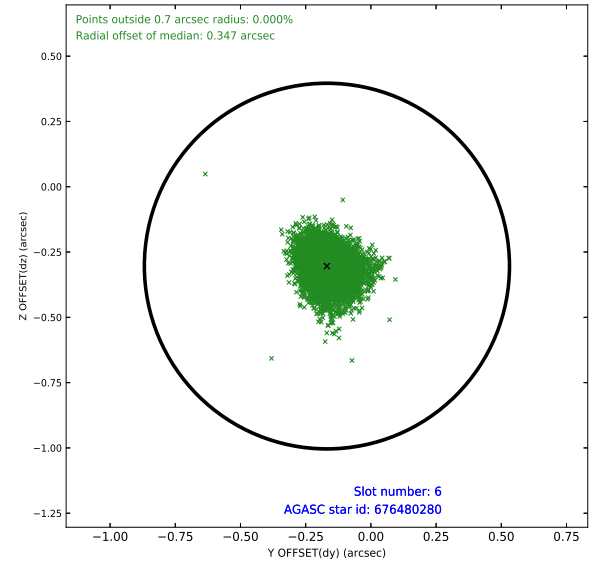
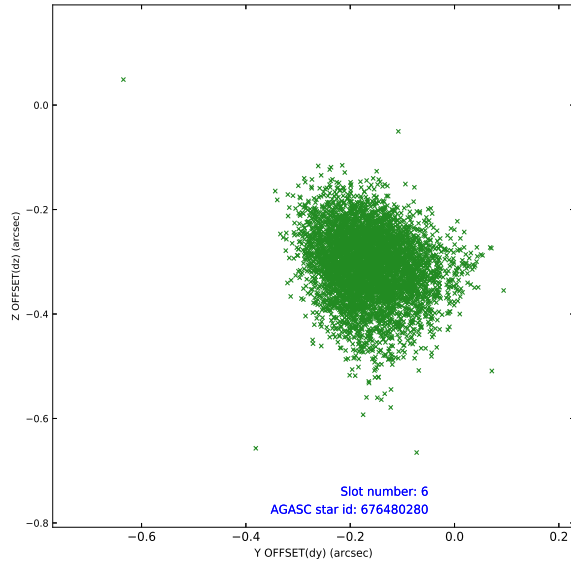
2.4.2 Slot 4



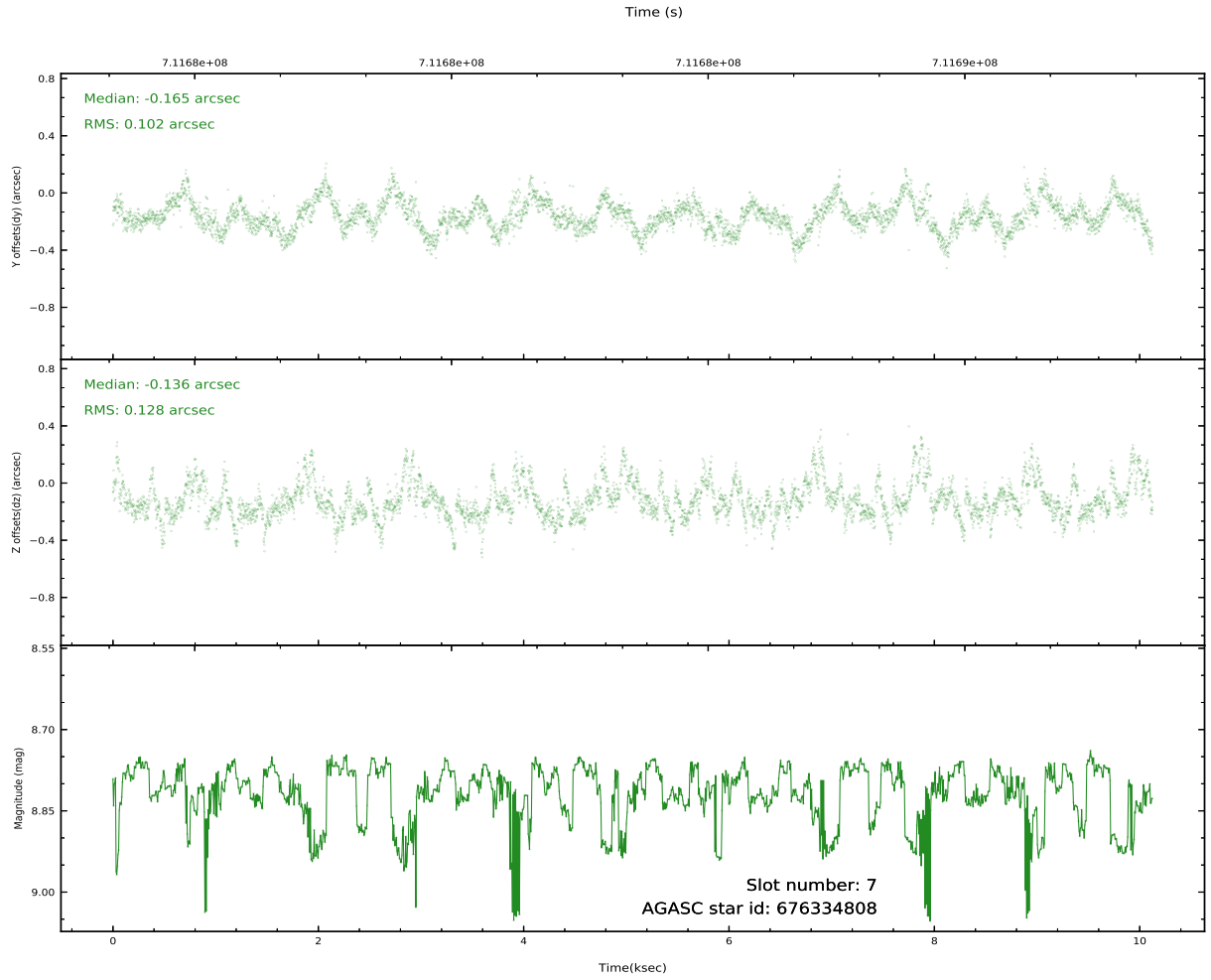
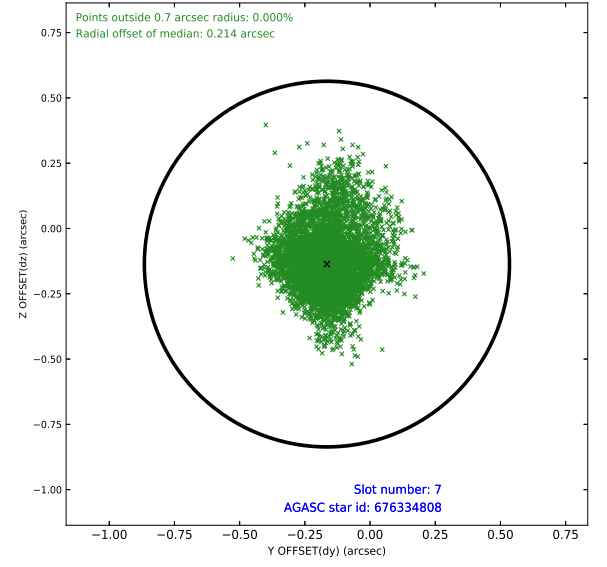
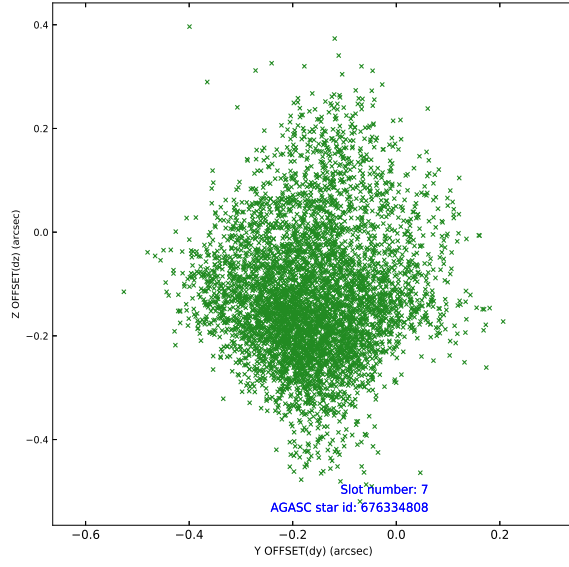
2.4.3 Slot 5



2.4.4 Slot 6

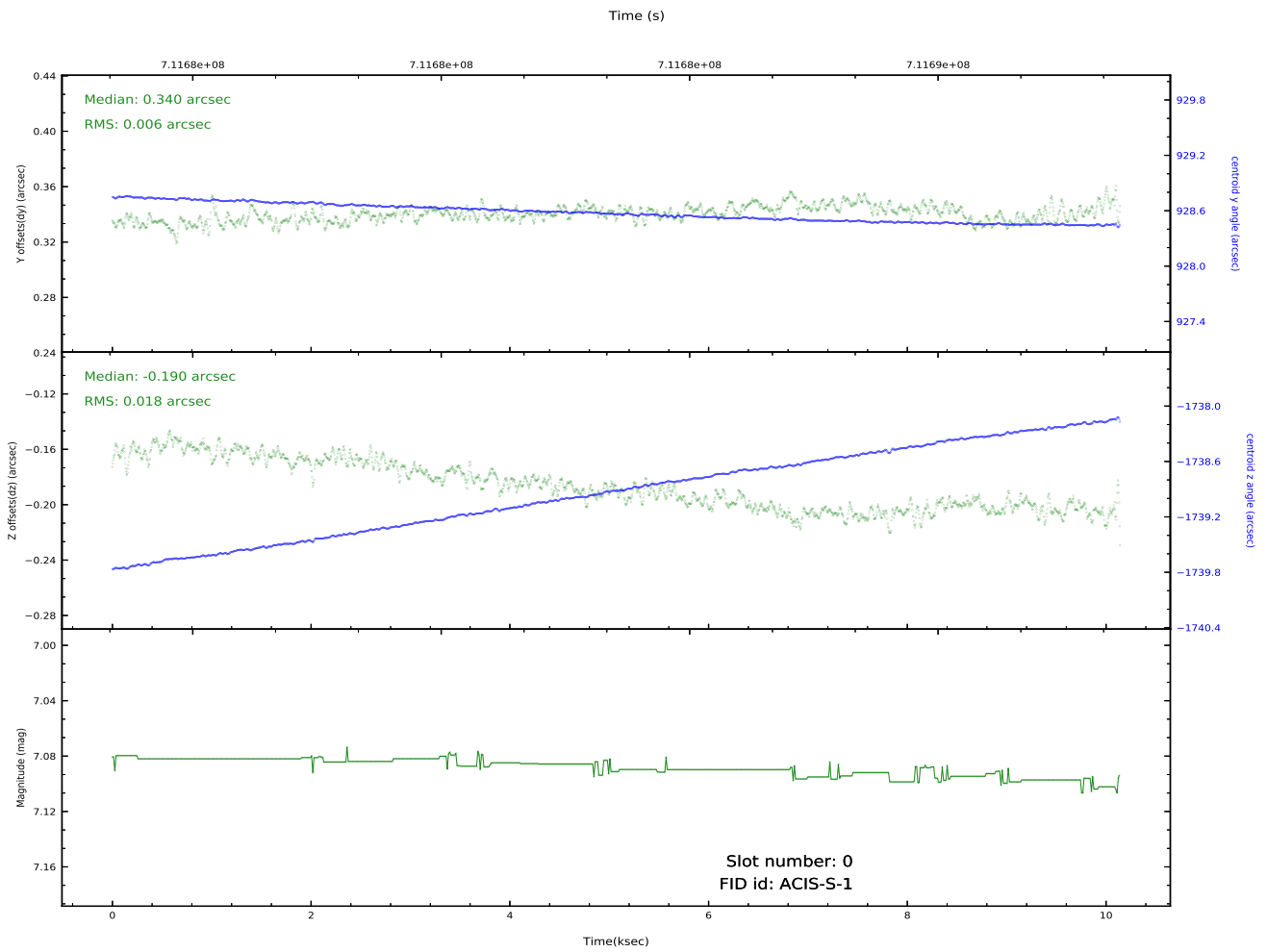
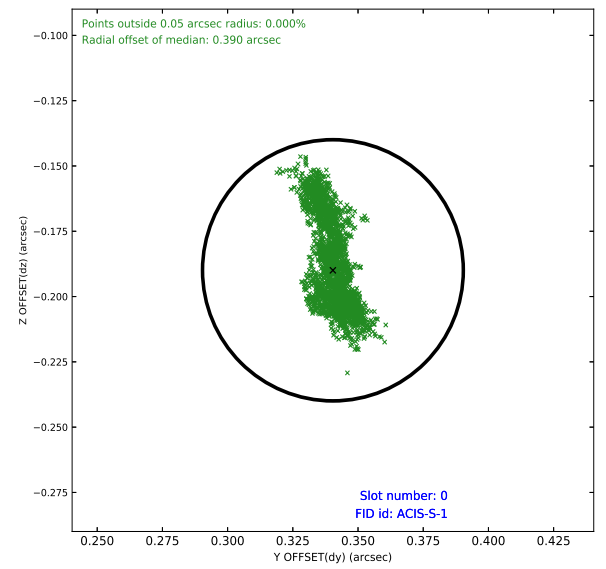
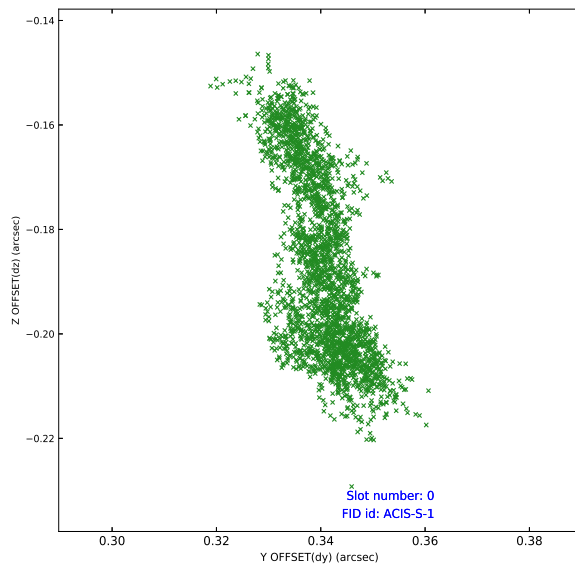


2.4.5 Slot 7

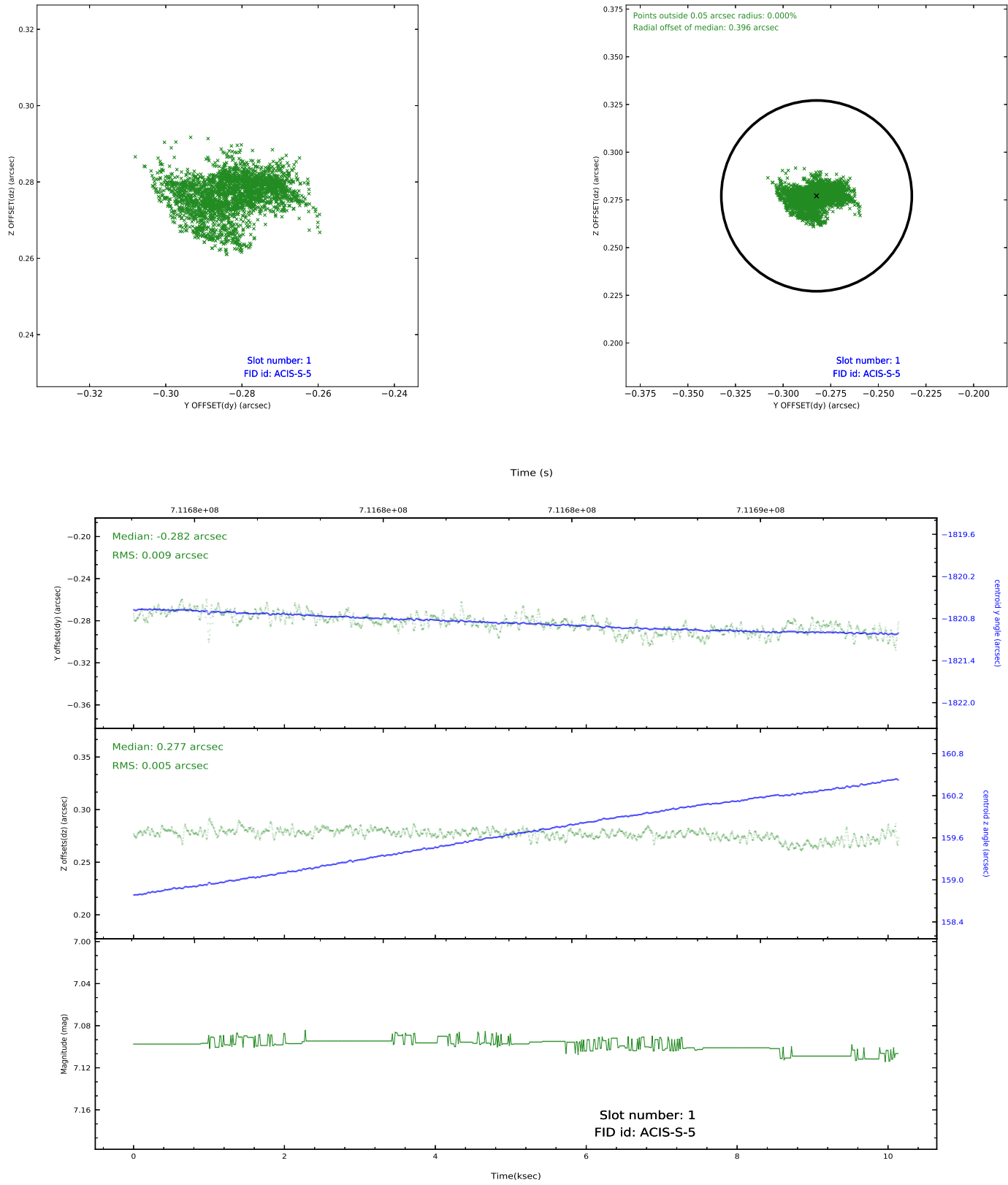


2.5 FID Slots

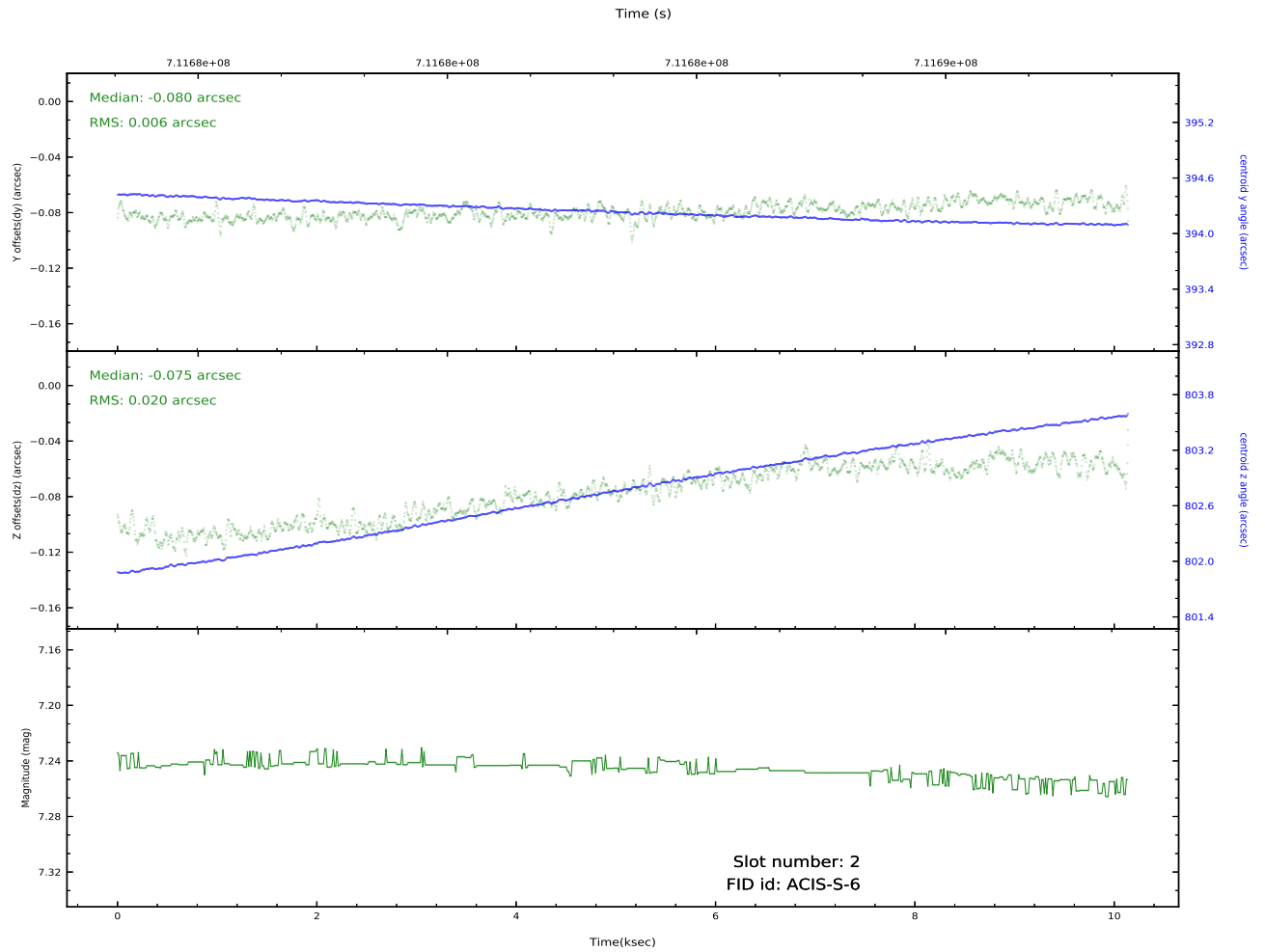
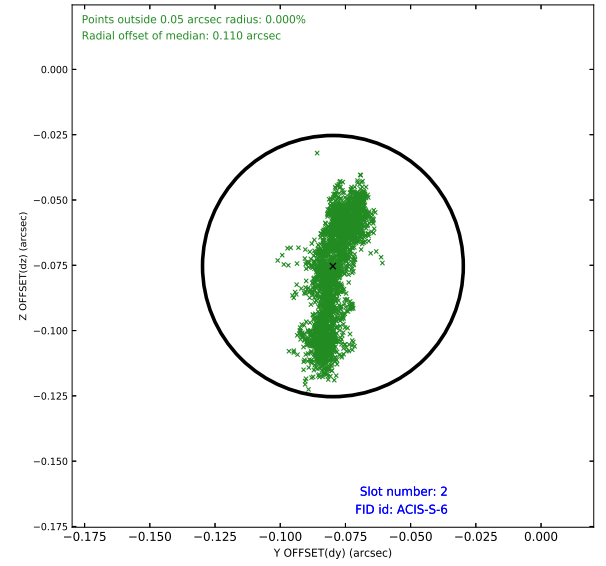
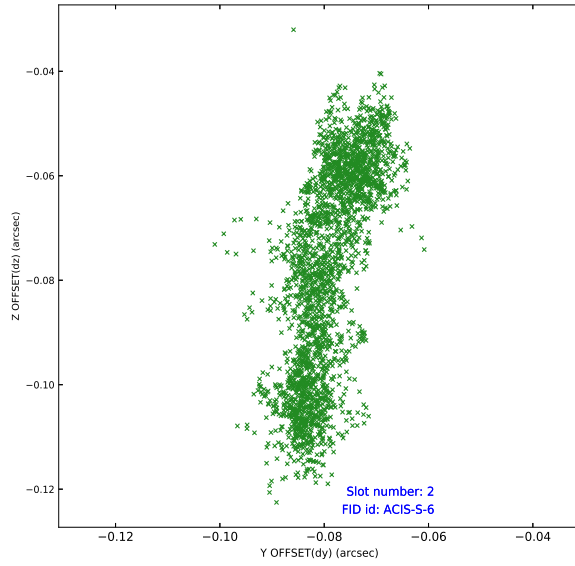
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.07.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.090583792686

A.2 Comments