

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4871 - L2 Version 4
Chandra X-Ray Center

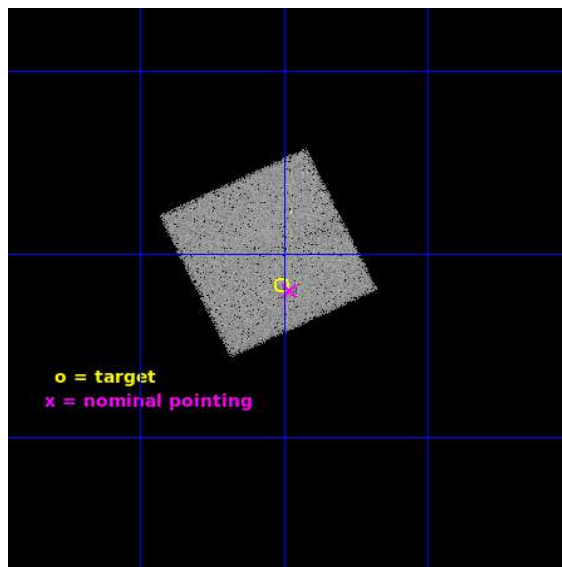
L2 Processing Date : Sep 27 2020

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1 Front

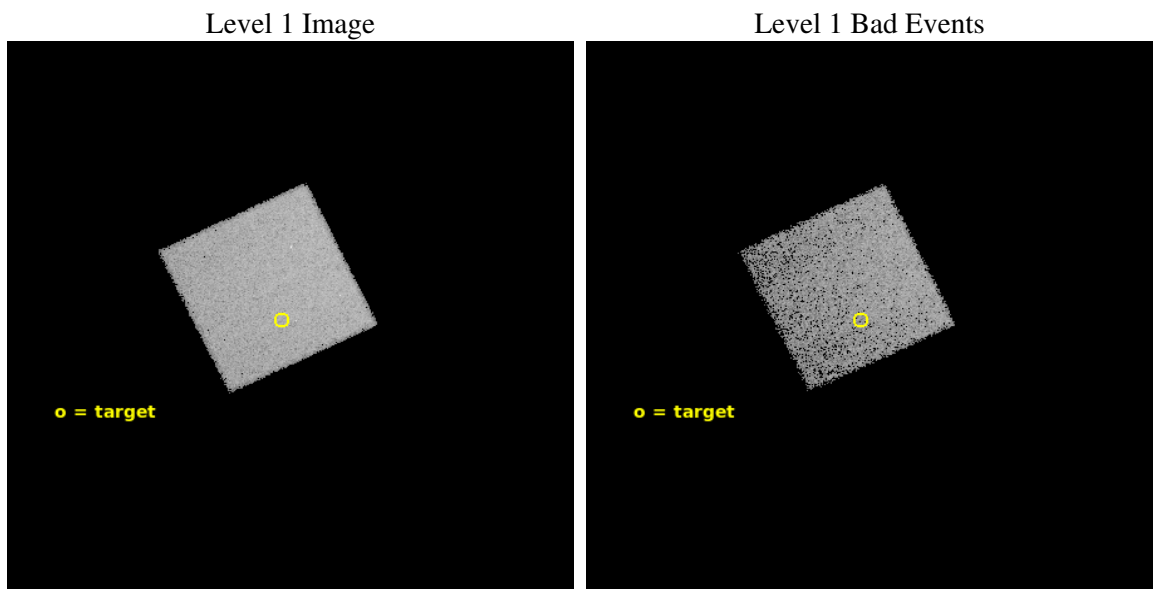
seq_num	700953	Sequence number
obs_id	4871	Observation id
title	UNCOVERING THE HIDDEN POPULATION OF BL LACS	Proposal title
observer	Dr Nicola Loaring	Principal investigator
object	2QZ J113900.5-020140	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.752083	Observer's specified target RA [deg]
dec_targ	-2.028028	Observer's specified target Dec [deg]
ra_nom	174.74468853886	Nominal RA [deg]
dec_nom	-2.0333230141482	Nominal Dec [deg]
roll_nom	244.20871383533	Nominal Roll [deg]
revision	4	Processing version of data
ontime	15147.0	Sum of GTIs [s]
liveltime	14942.5854313	Livetime [s]
ontime7	15147.0	Sum of GTIs [s]
l2events	60504	Number of level 2 events



2 OBI

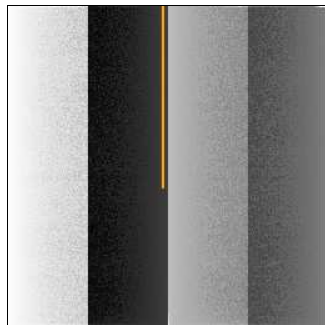
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	15147.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	15147.0	Sum of GTIs [s]
date	2020-09-27T13:03:48	Date and time of file creation	l1events	158429	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

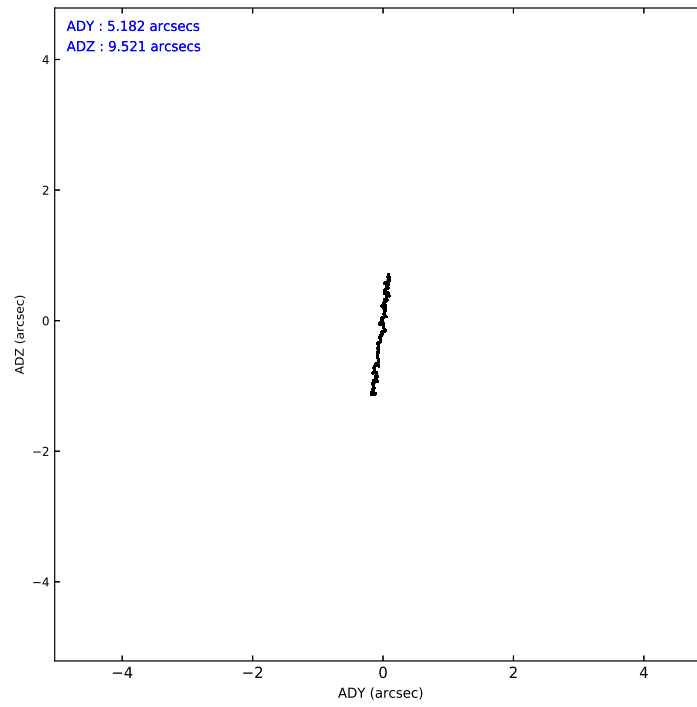
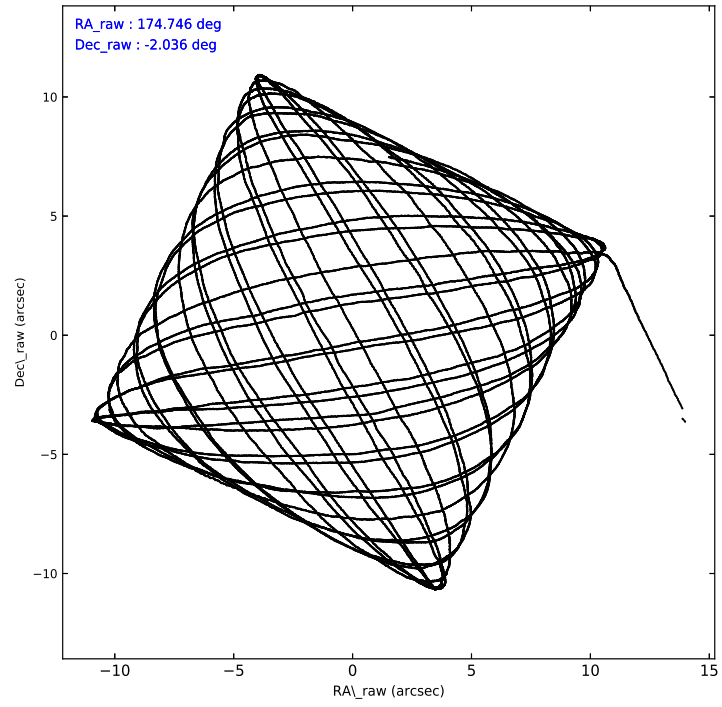
	ccd 7
level 1 events	158429
rejected events	96051
rejected %	60%

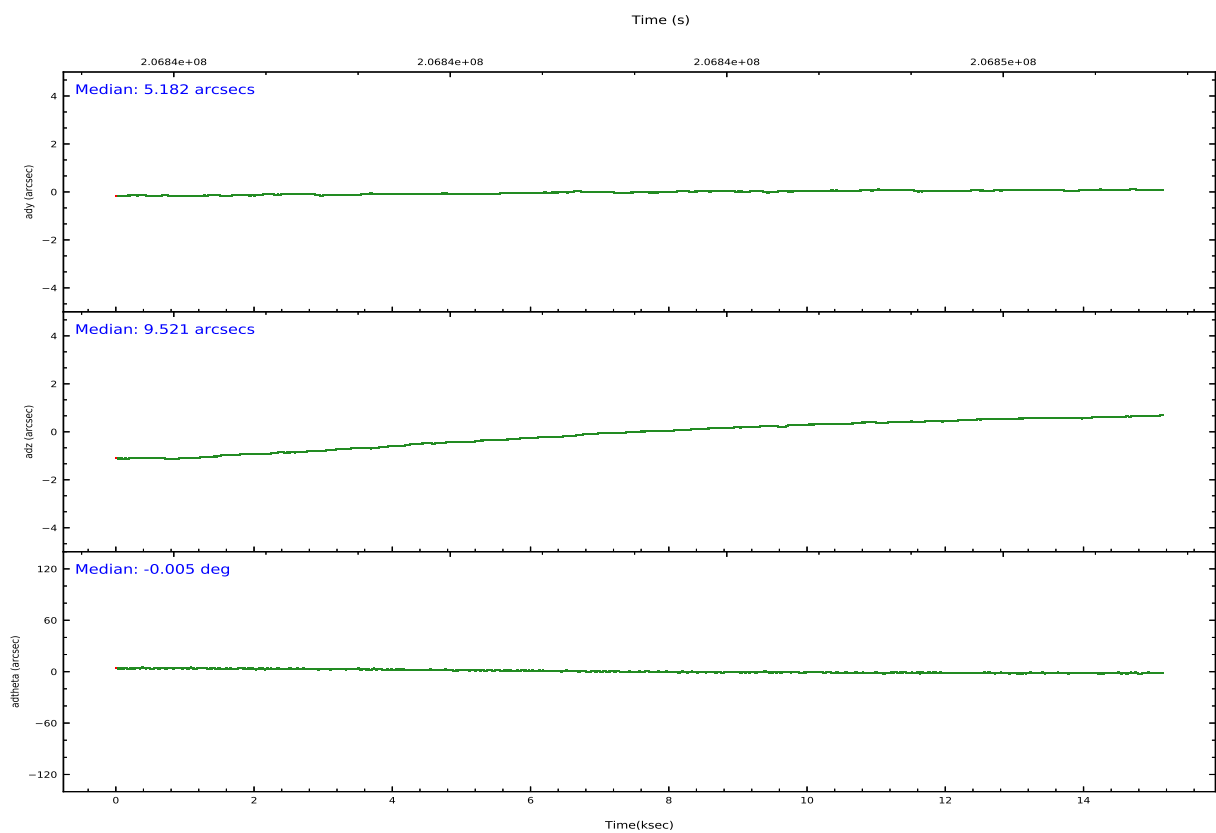
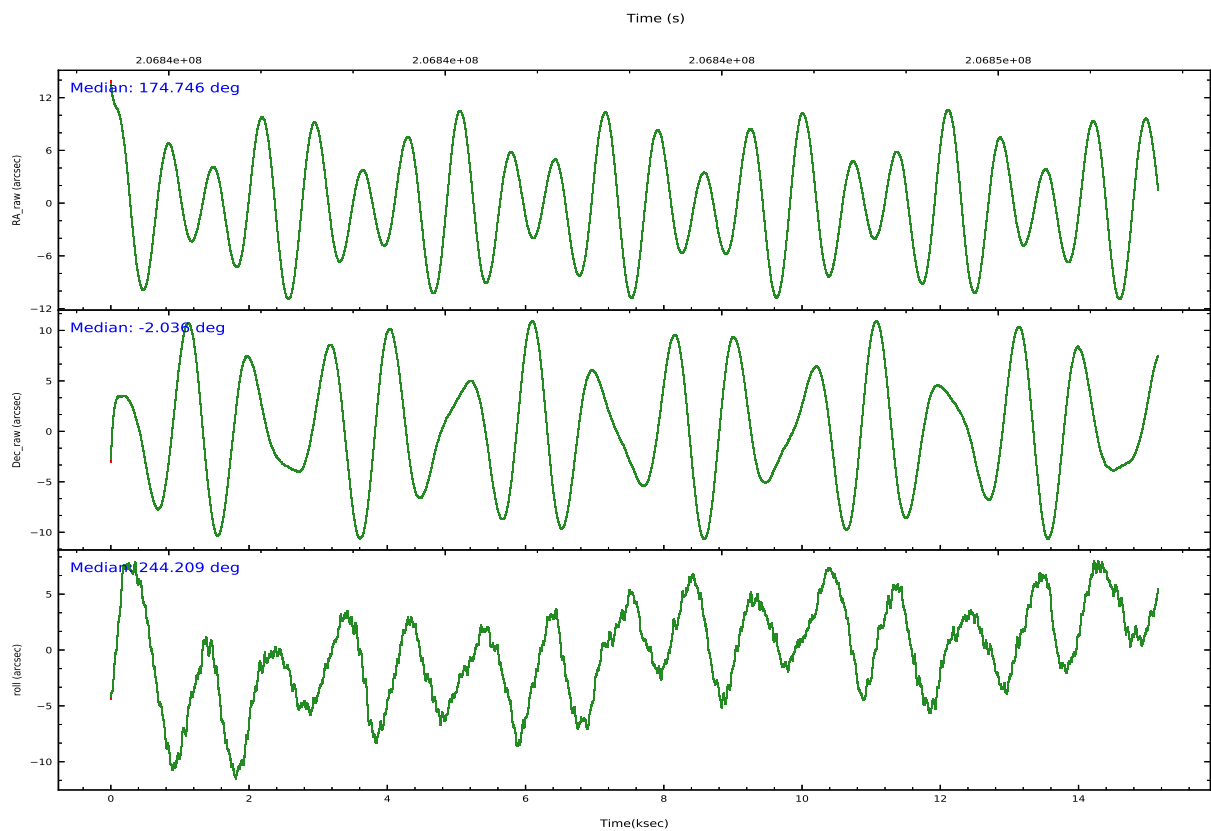
	ccd 7
grade 0 events	6159
	3%
grade 1 events	133
	0%
grade 2 events	13183
	8%
grade 3 events	5990
	3%
grade 4 events	5948
	3%
grade 5 events	15109
	9%
grade 6 events	35276
	22%
grade 7 events	76631
	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
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	174.744043	174.74468853886	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.008729	-2.0333230141482	Alternating exposures requested	N	N
[deg] Pointing Roll	244.052946	244.20871383533	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	206835313.184000	206834082.44412			
Observation start date	2004-07-21T22:14:09	2004-07-21T21:54:42			
[s] Observation end time (MET)	206850313.184000	206851269.64489			
Observation end date	2004-07-22T02:24:09	2004-07-22T02:41:09			
Read mode	TIMED	TIMED			

2.3 Aspect



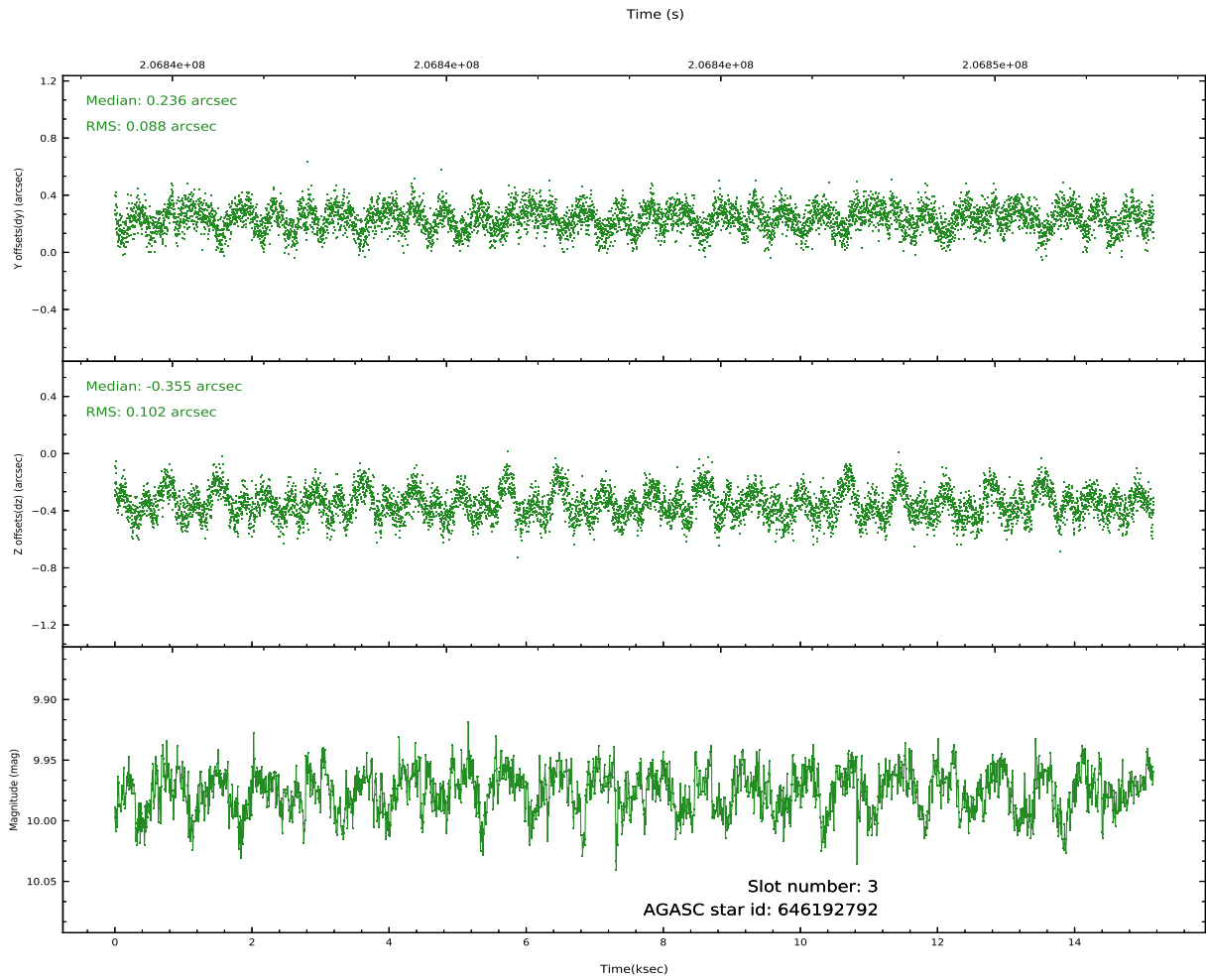
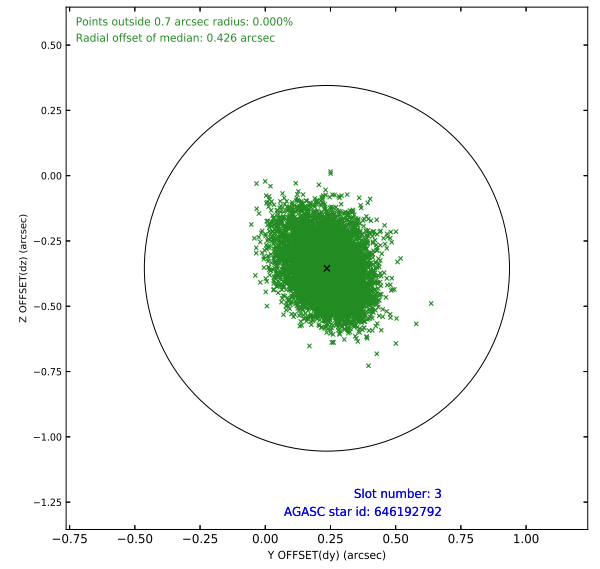
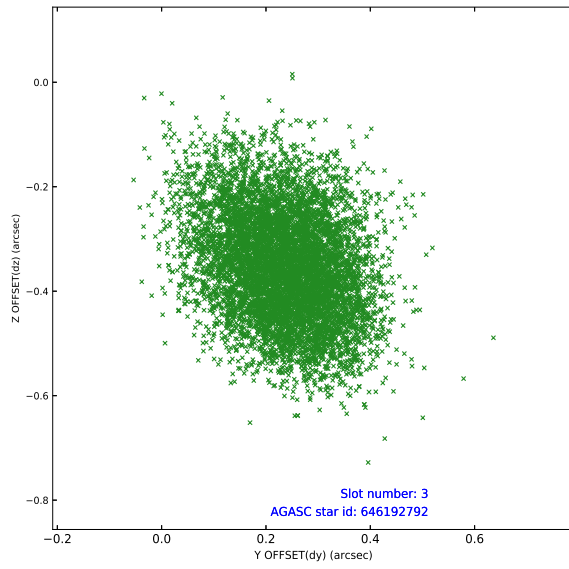


Slot Statistics

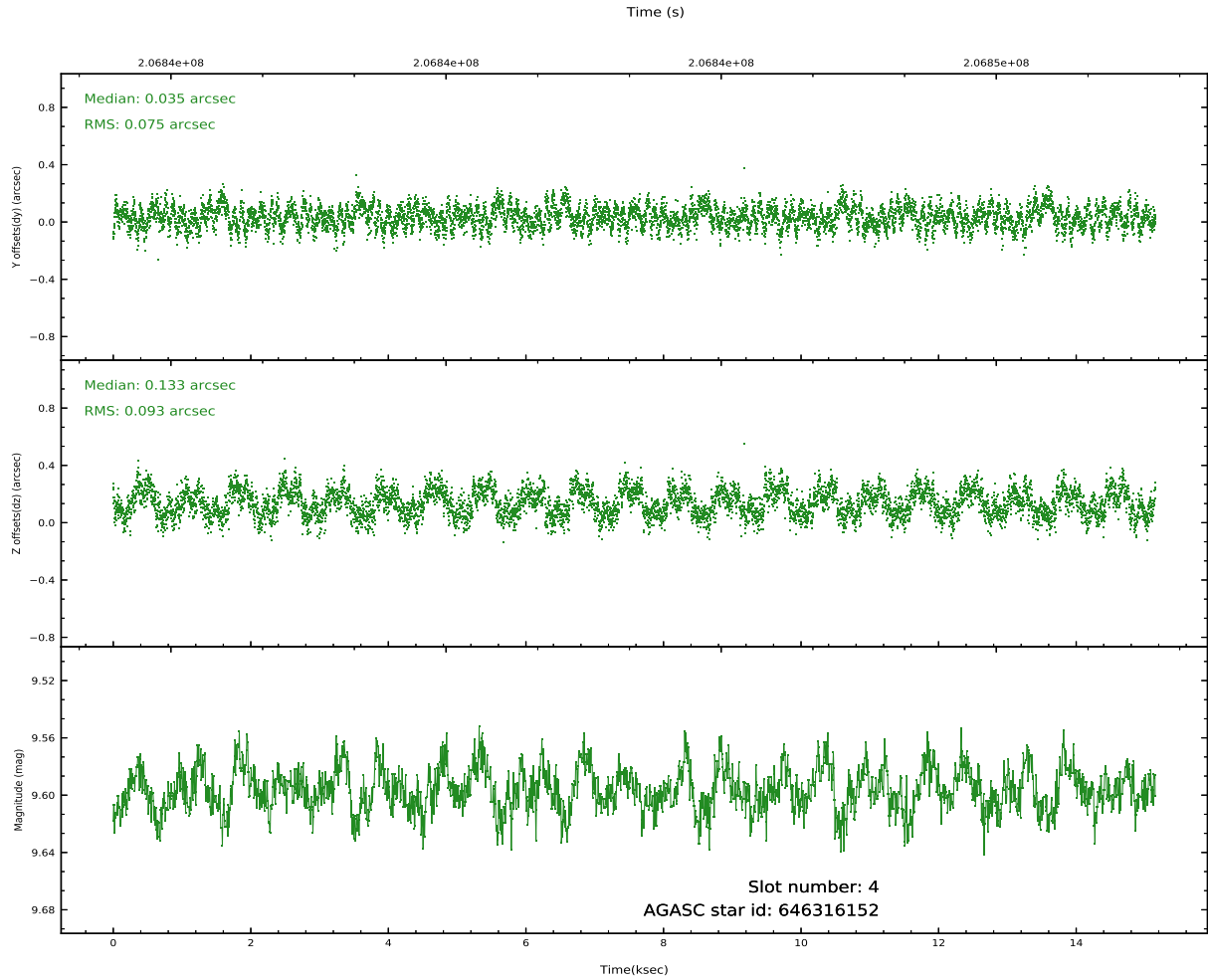
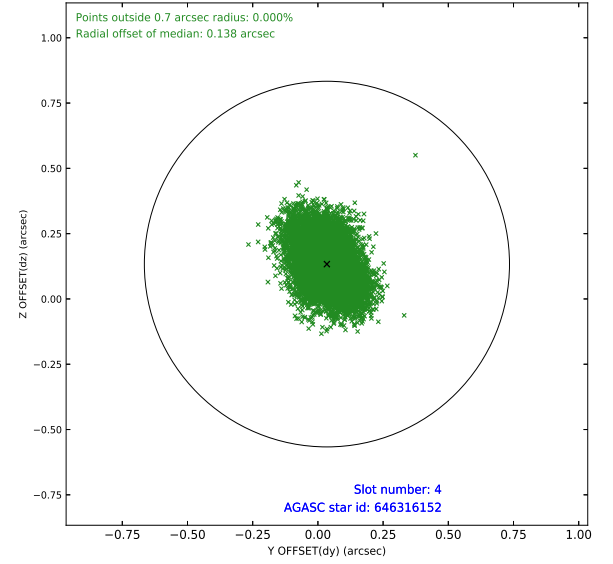
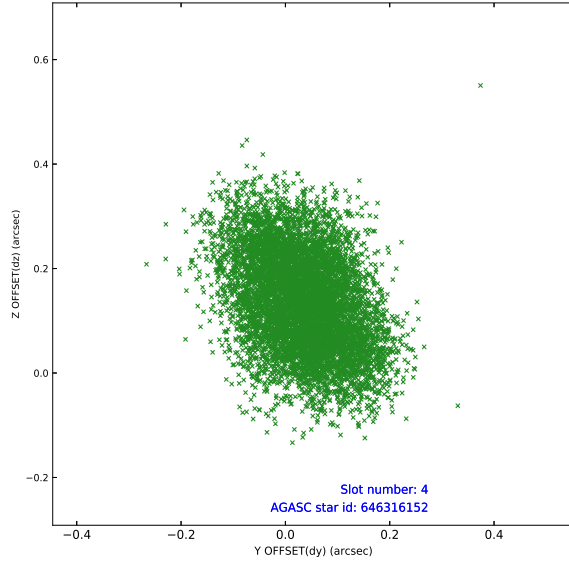
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	3696	1.000	-0.090	-0.077	0.016	0.026	0.000000	0.000000	-757.92	-1730
1	FID		ACIS-S-4	7.20	3696	1.000	0.174	0.063	0.010	0.020	0.000000	0.000000	2155.45	177
2	FID		ACIS-S-5	7.23	3696	1.000	-0.116	0.021	0.013	0.022	0.000000	0.000000	-1810.44	171
3	GUIDE	used	646192792	9.97	7380	1.000	0.236	-0.355	0.144	0.229	174.005236	-2.295544	2092.63	-1938
4	GUIDE	used	646316152	9.60	7384	1.000	0.035	0.133	0.128	0.204	175.128060	-2.459624	855.92	1952
5	GUIDE	used	646322952	9.79	7384	1.000	-0.214	0.159	0.121	0.199	175.354154	-1.823942	-1558.05	1683
6	GUIDE	used	646324808	8.39	7390	1.000	-0.158	0.004	0.063	0.103	175.125728	-1.837660	-1154.63	965
7	GUIDE	used	646580040	8.80	7390	1.000	0.102	0.060	0.073	0.116	174.871949	-2.716414	2089.83	1528

2.4 Star Slots

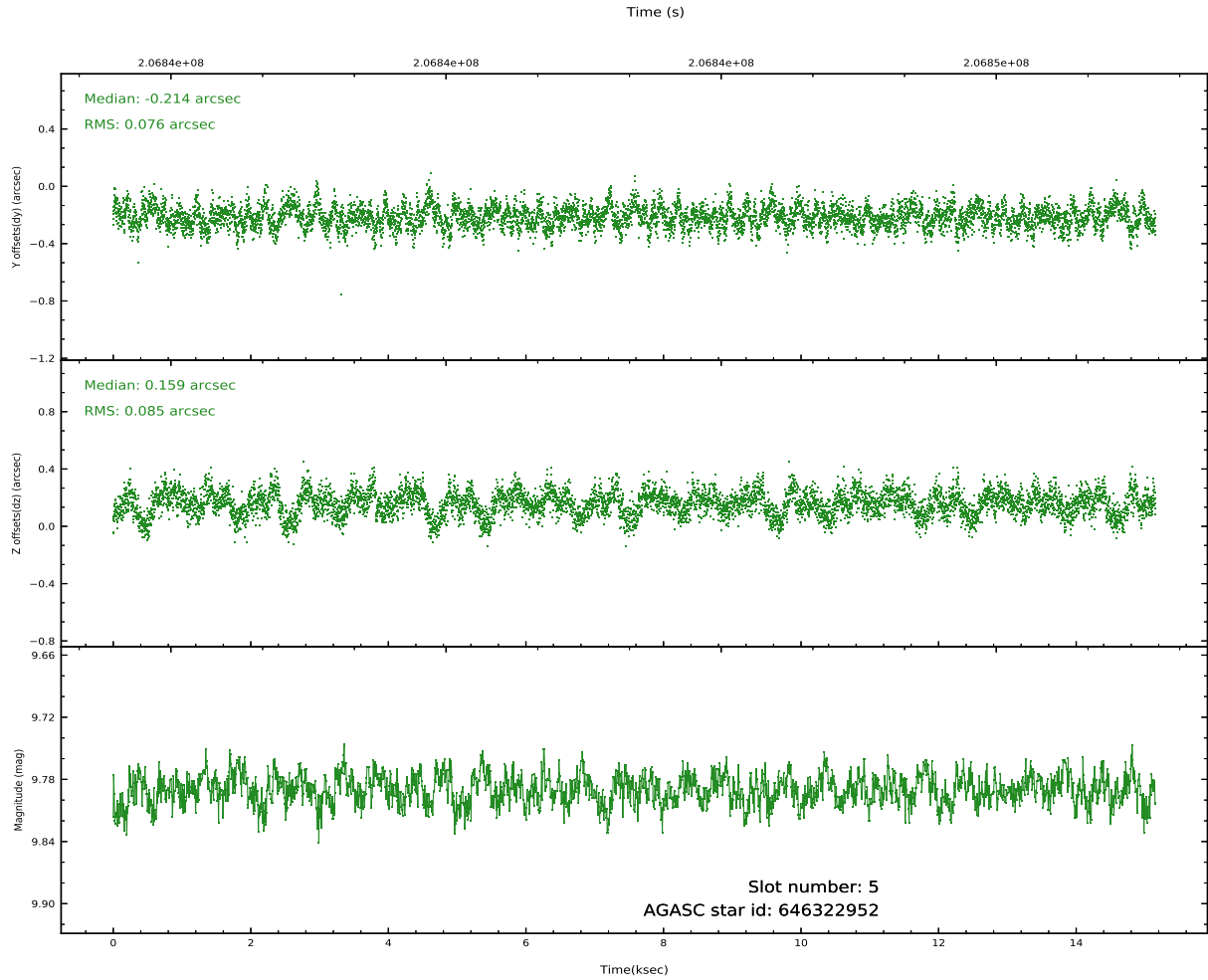
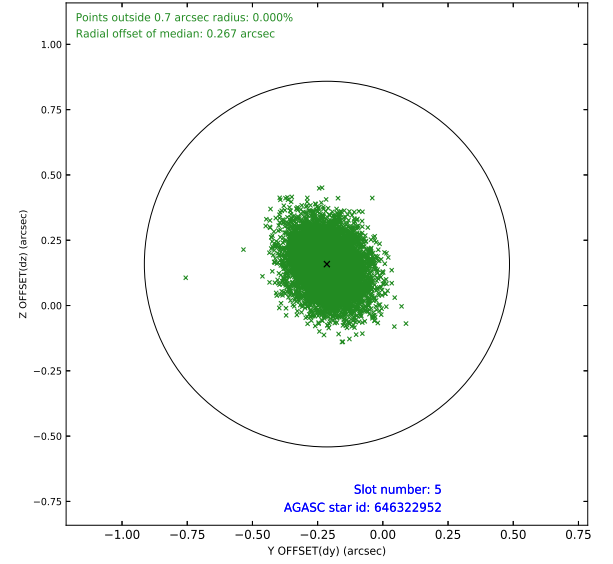
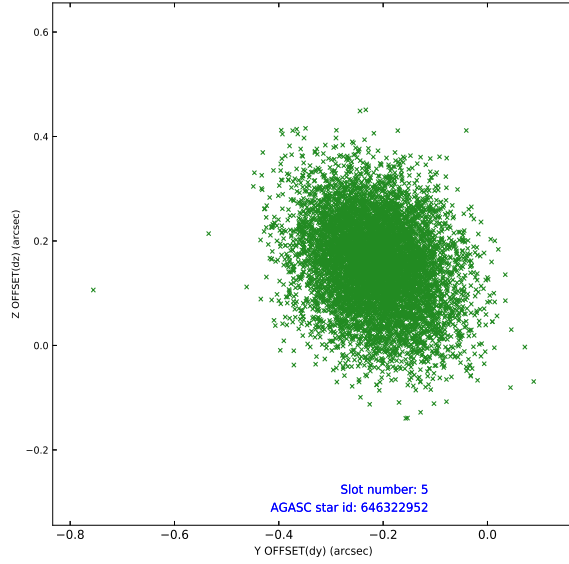
2.4.1 Slot 3



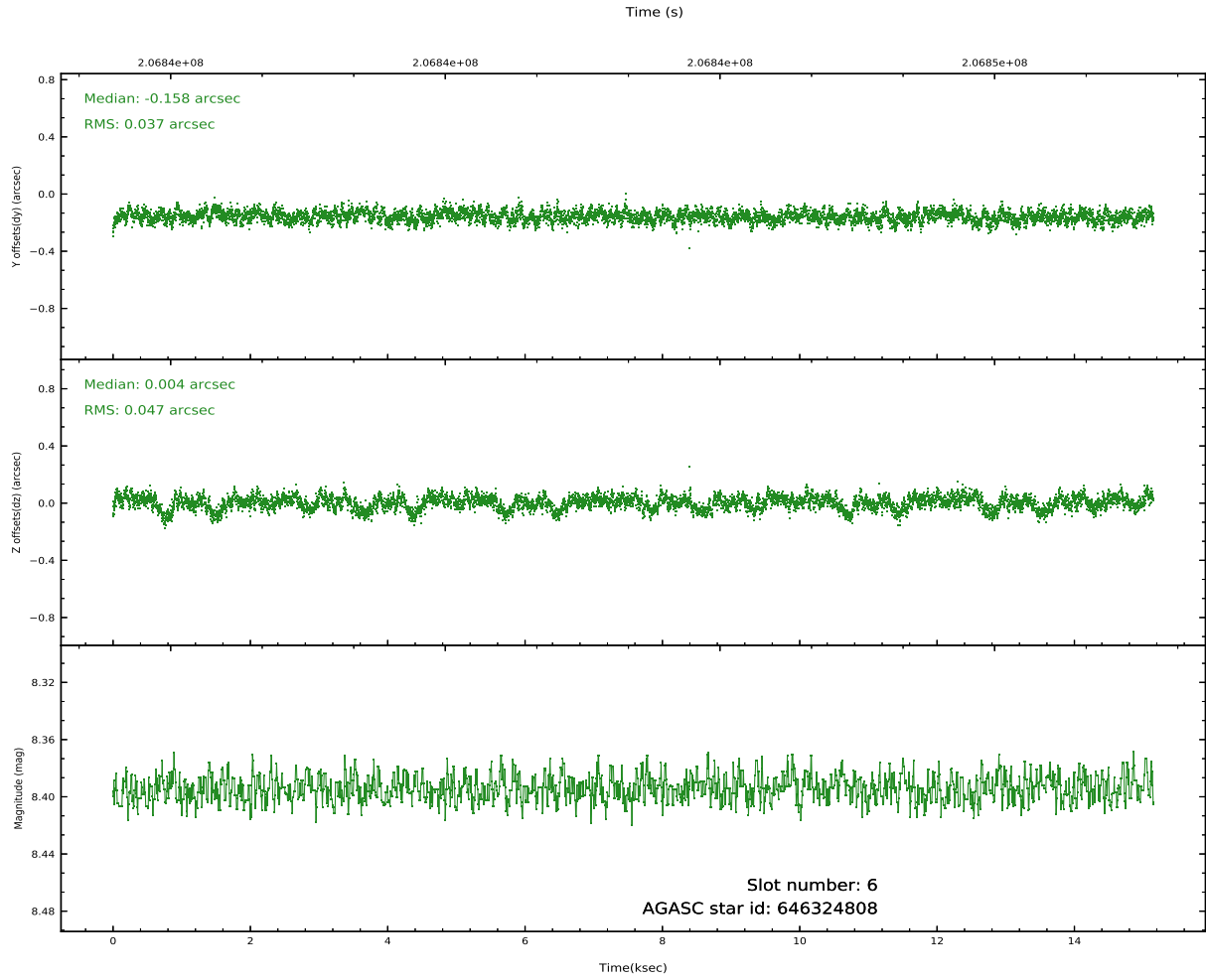
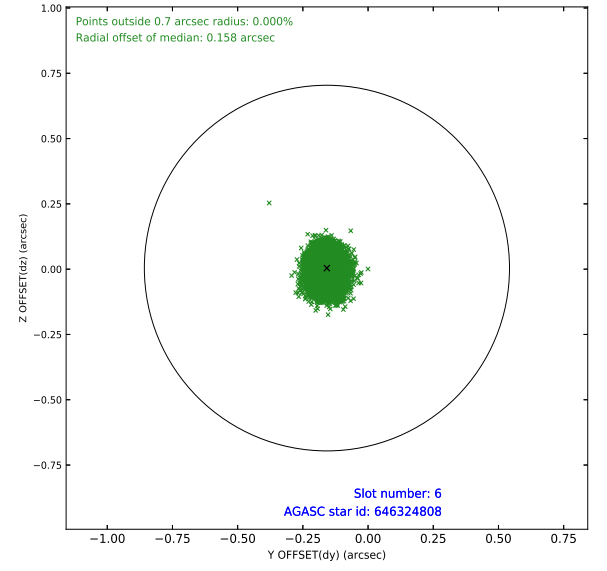
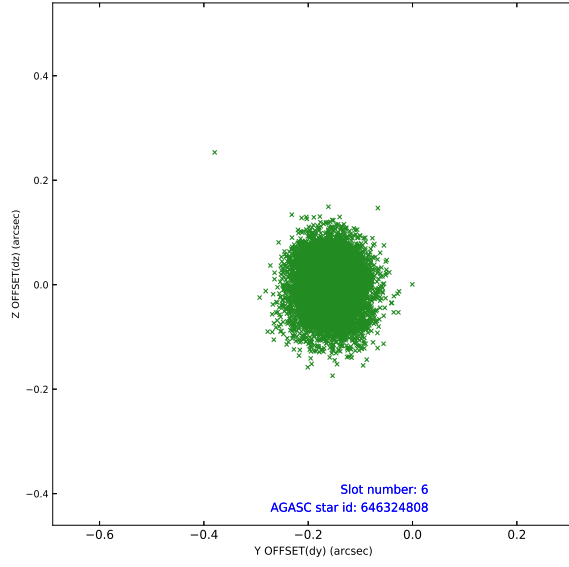
2.4.2 Slot 4



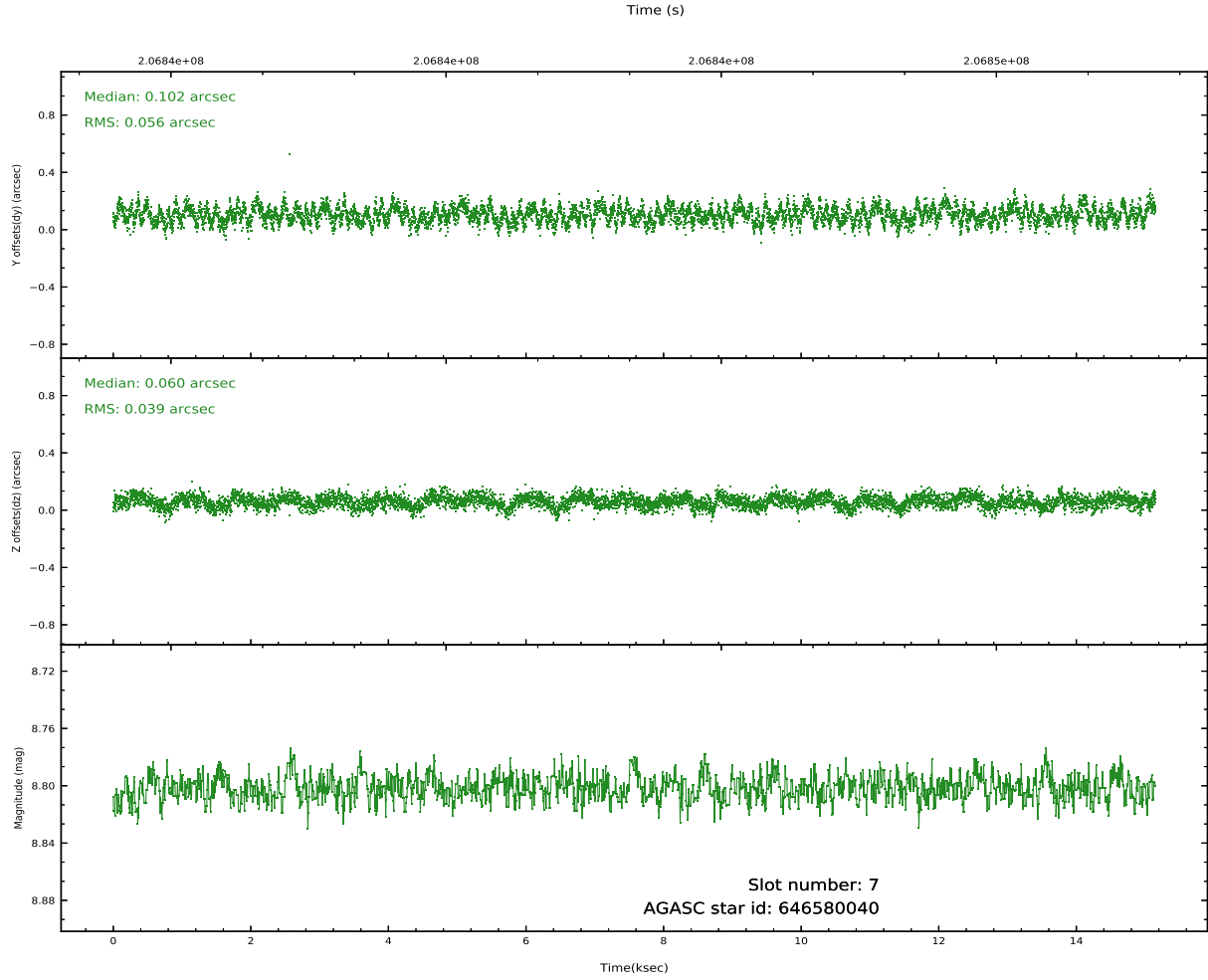
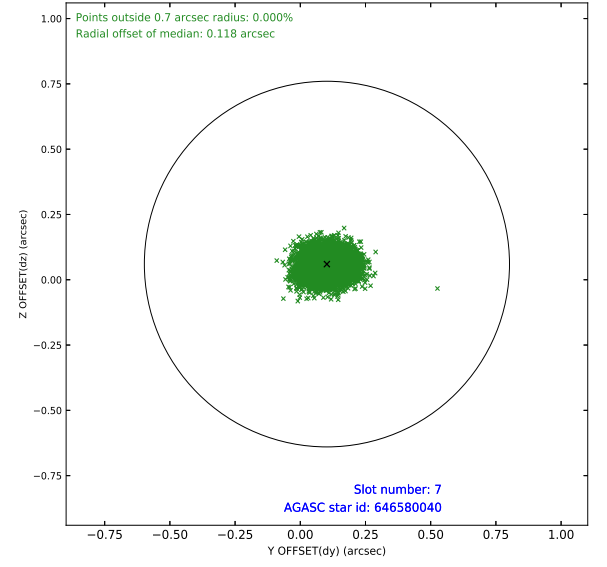
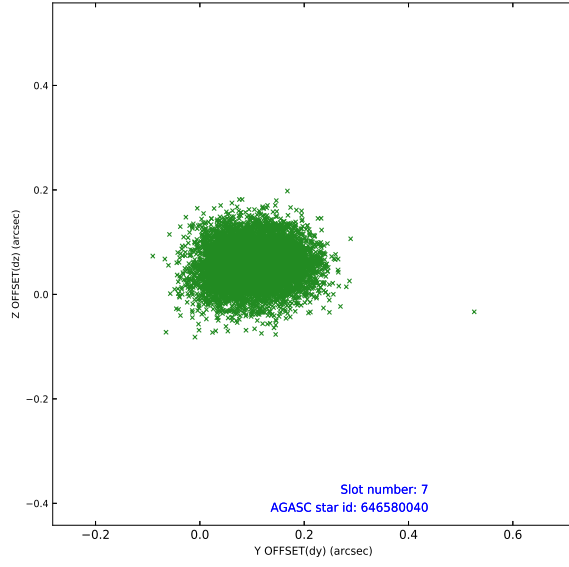
2.4.3 Slot 5



2.4.4 Slot 6

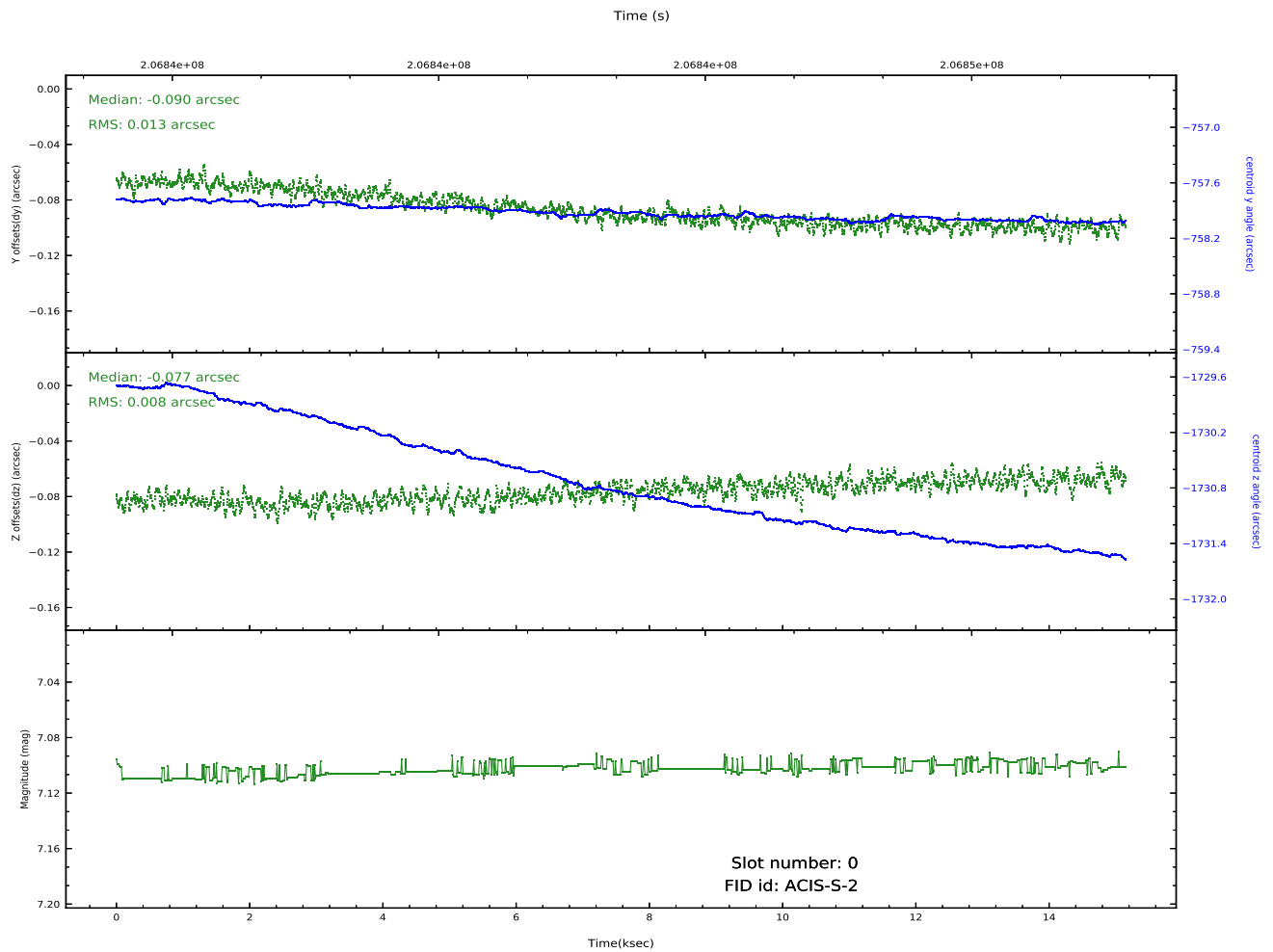
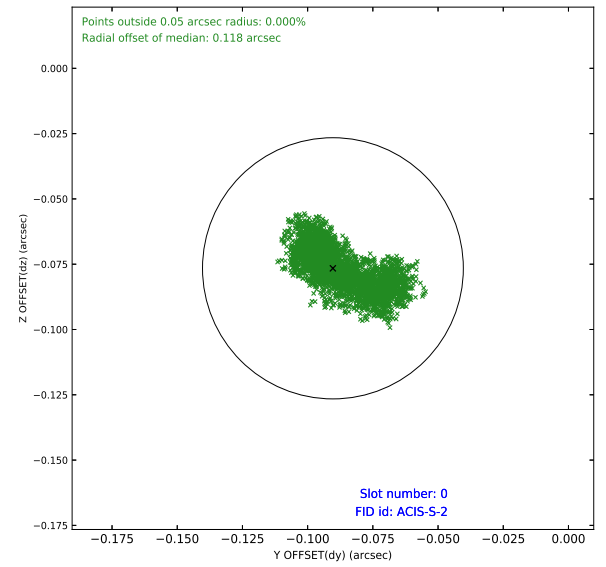
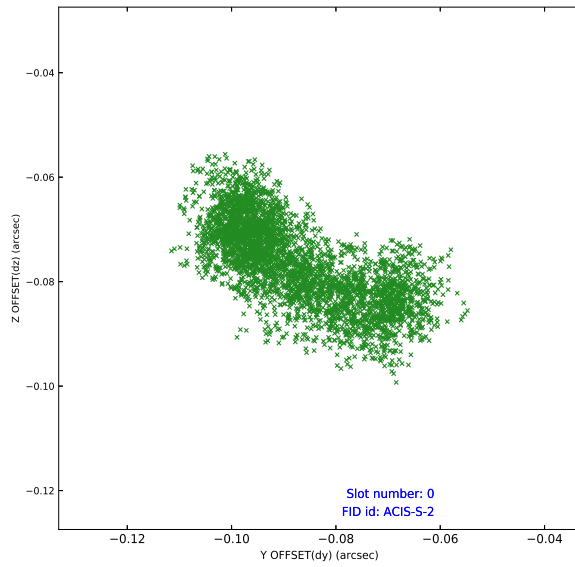


2.4.5 Slot 7

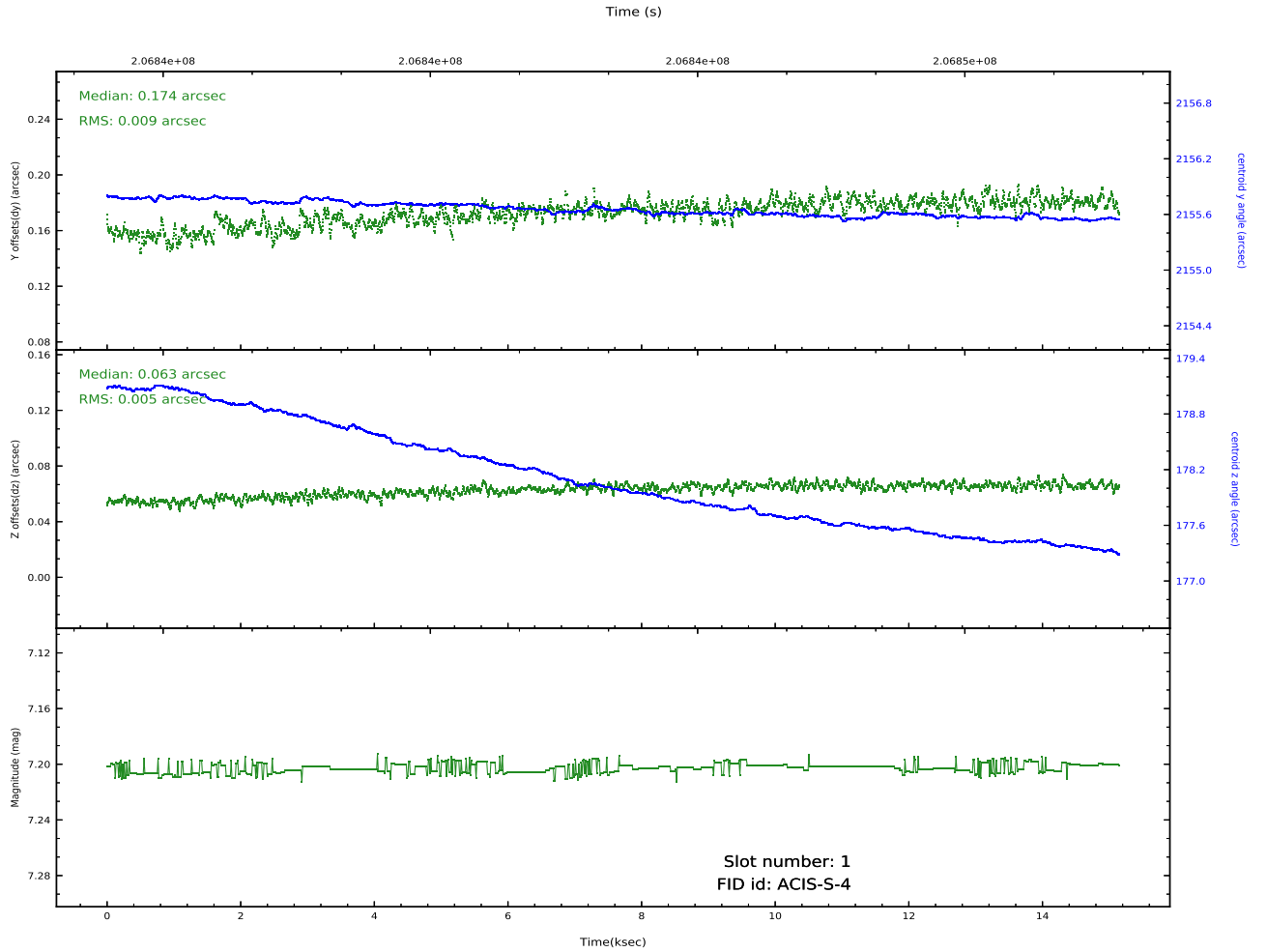
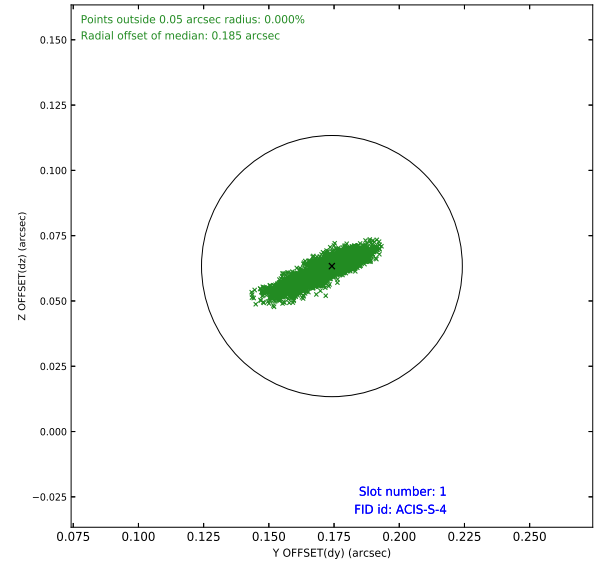
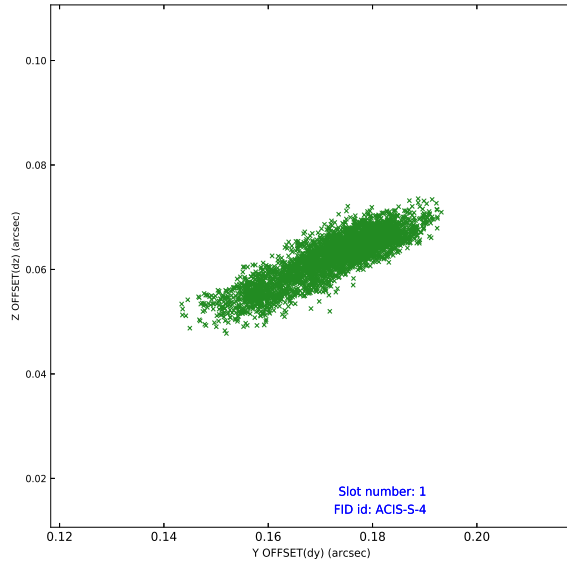


2.5 FID Slots

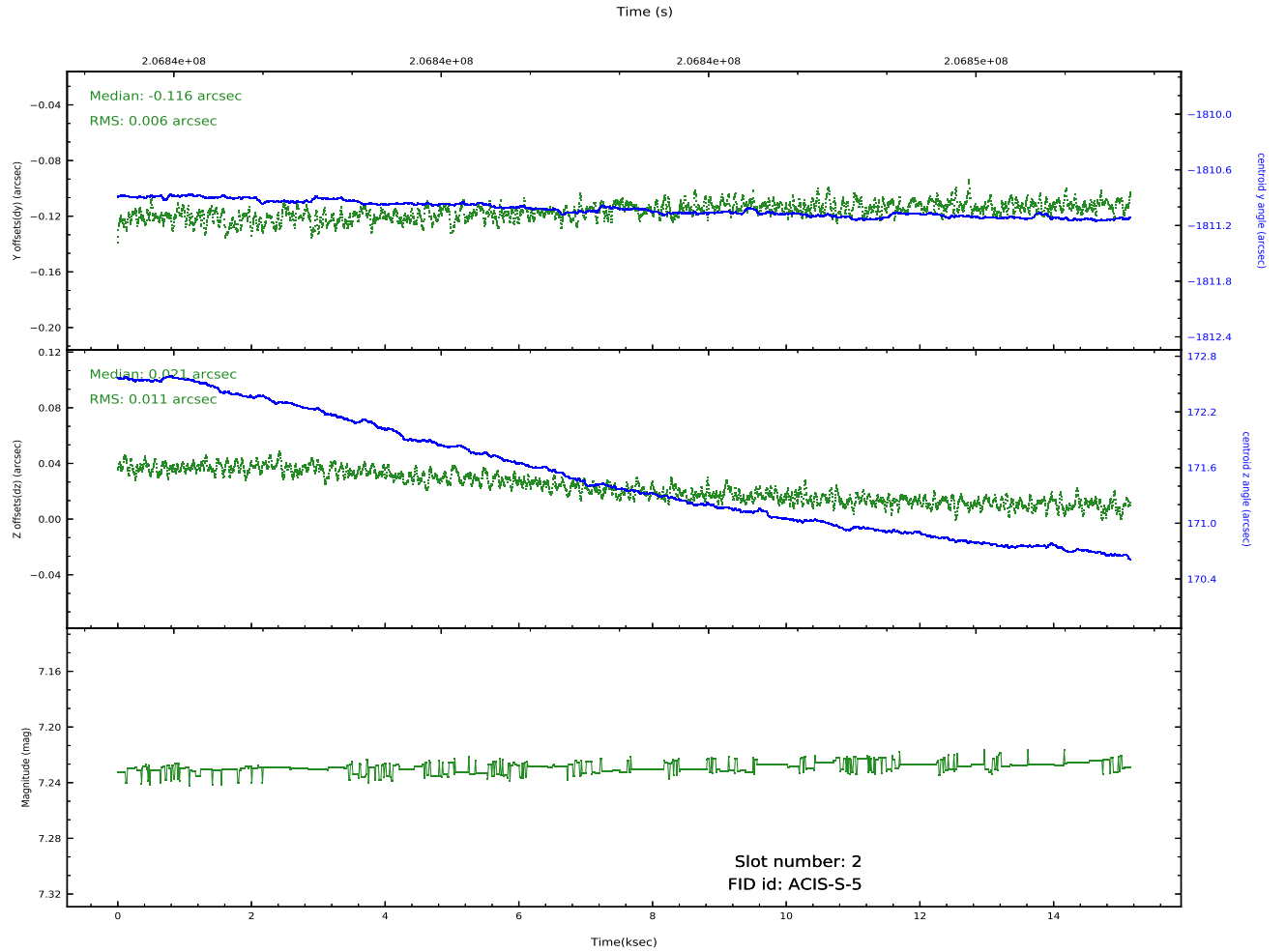
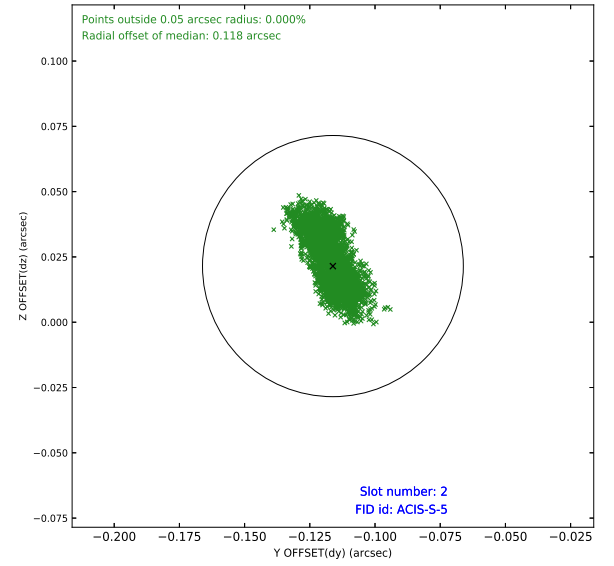
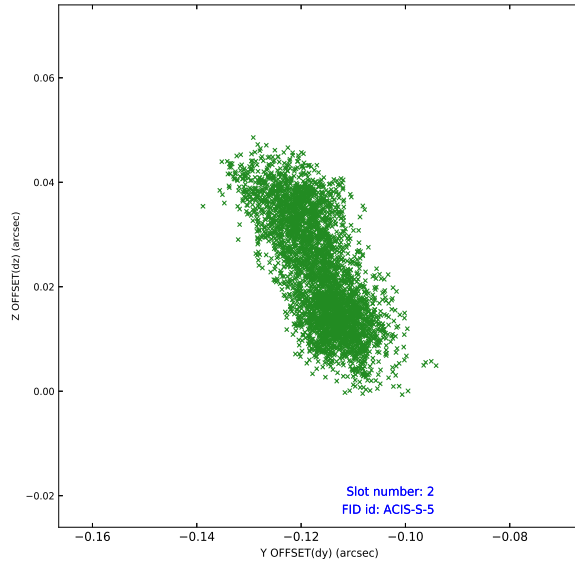
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.147

A.2 Comments