

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20369 - L2 Version 2
Chandra X-Ray Center

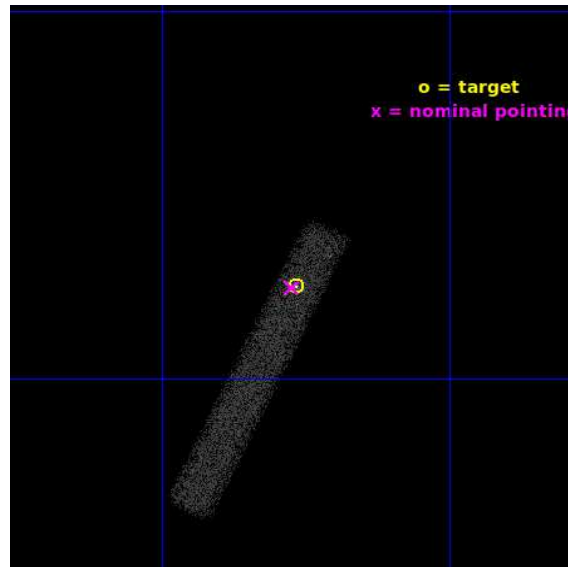
L2 Processing Date : Oct 27 2020

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1 Front

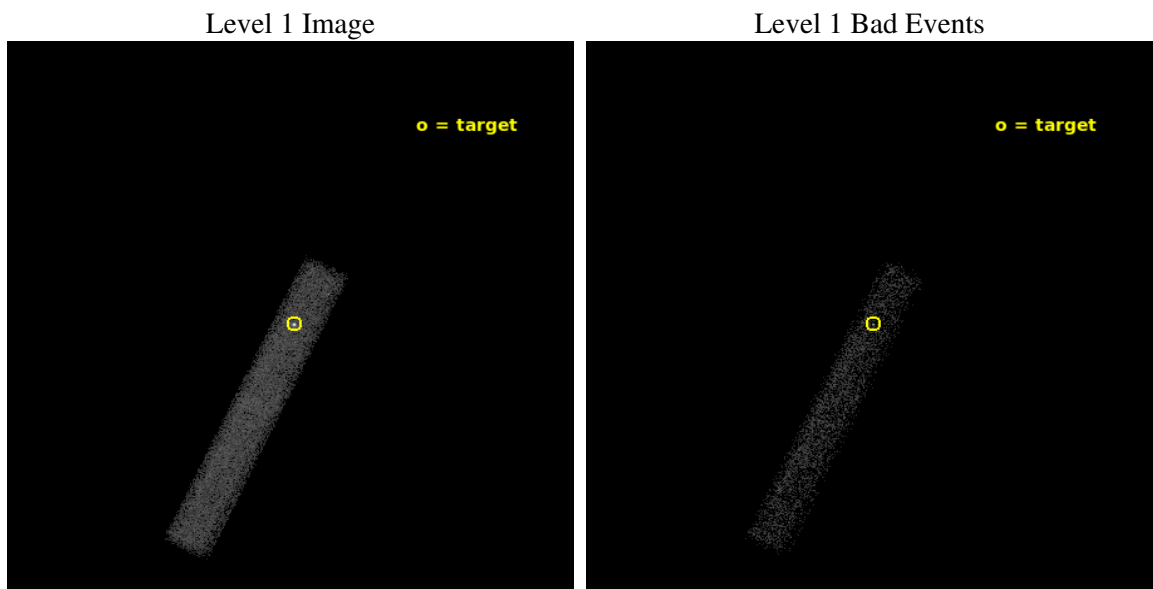
seq_num	703474	Sequence number
obs_id	20369	Observation id
title	Catching a Changing Look Quasar as it undergoes significant changes in accretion rate	Proposal title
observer	Mirko Krumpe	Principal investigator
object	Mrk1018	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	31.566667	Observer's specified target RA [deg]
dec_targ	-0.291389	Observer's specified target Dec [deg]
ra_nom	31.568400773745	Nominal RA [deg]
dec_nom	-0.29211421118946	Nominal Dec [deg]
roll_nom	115.64921167182	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21068.798744082	Sum of GTIs [s]
livetime	19108.2883585	Livetime [s]
ontime7	21068.798744082	Sum of GTIs [s]
l2events	18665	Number of level 2 events



2 OBI

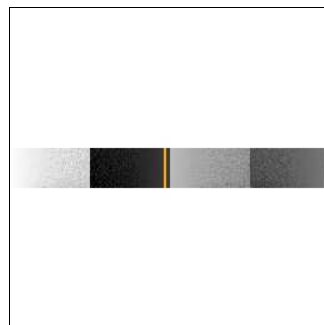
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	21068.798744082	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	21068.798744082	Sum of GTIs [s]
date	2020-10-27T17:47:05	Date and time of file creation	l1events	33834	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

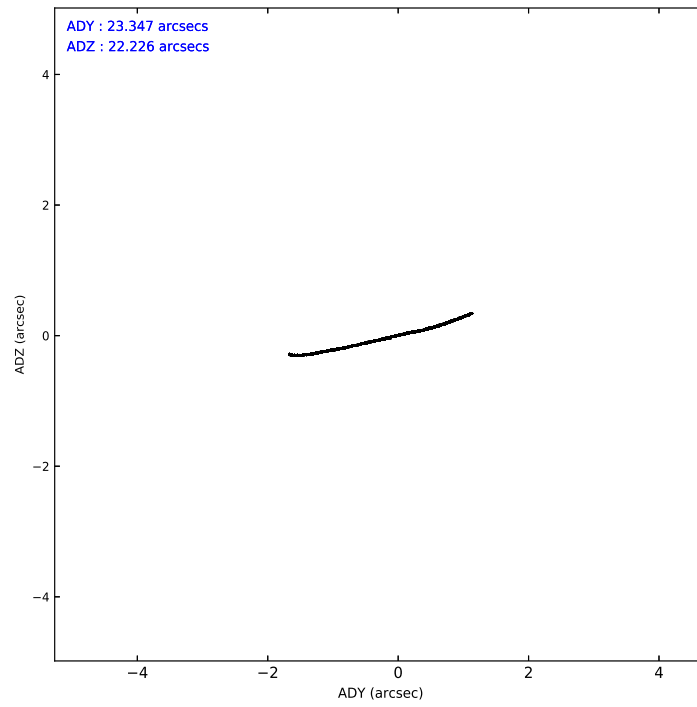
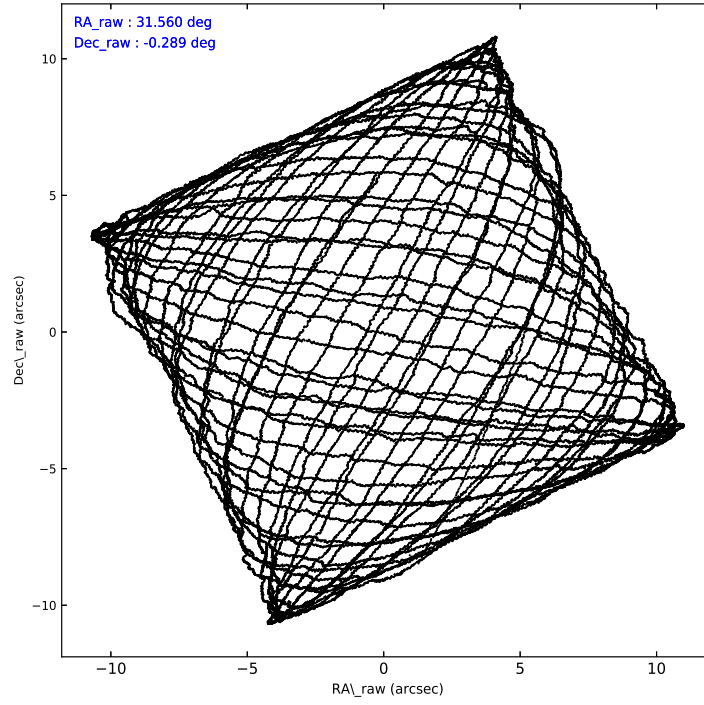
	ccd 7
level 1 events	33834
rejected events	14526
rejected %	42%

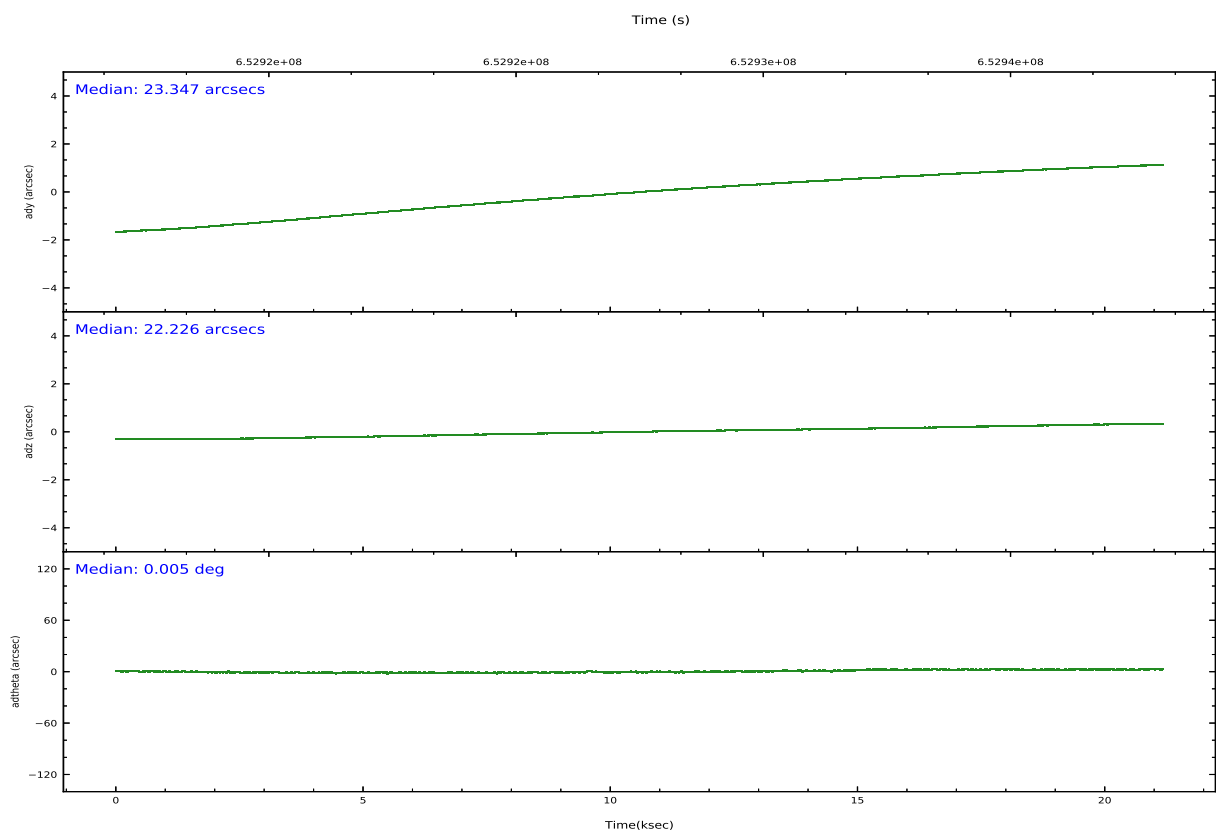
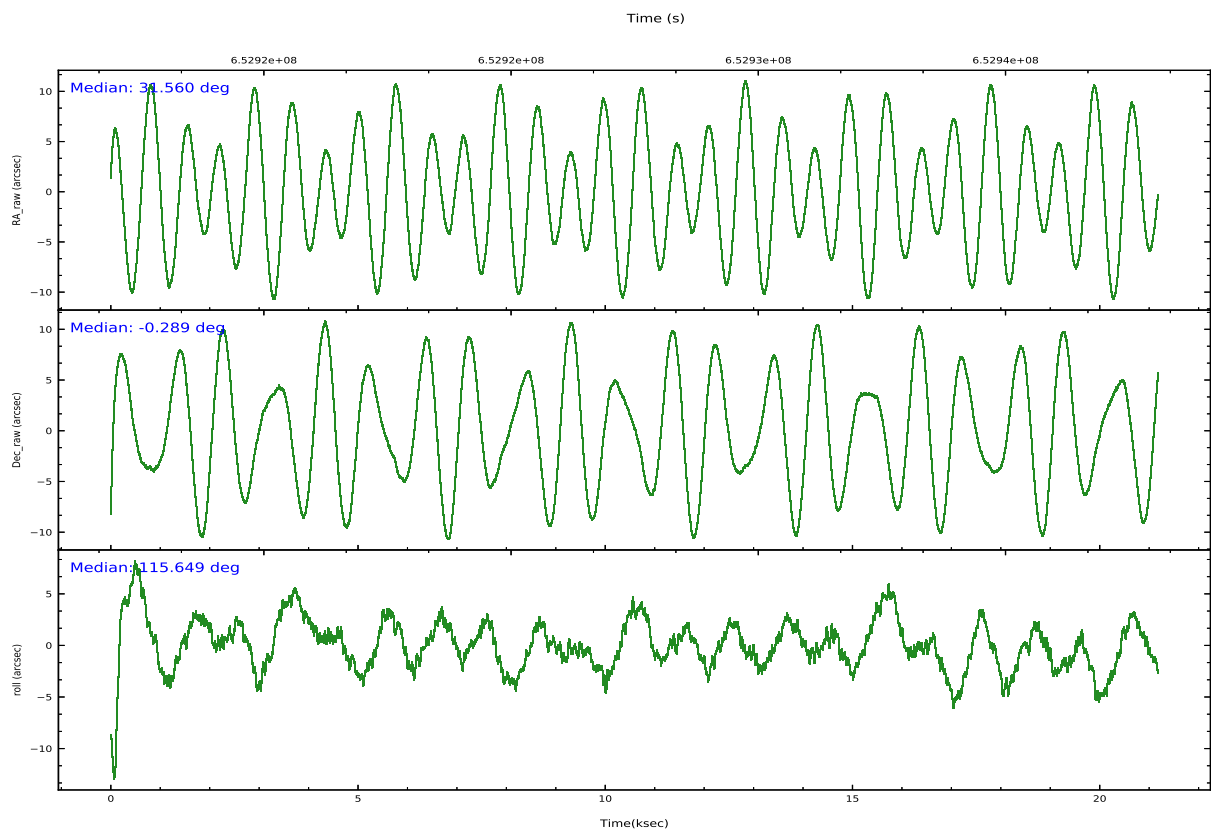
	ccd 7
grade 0 events	2751
	8%
grade 1 events	55
	0%
grade 2 events	4131
	12%
grade 3 events	2450
	7%
grade 4 events	2341
	6%
grade 5 events	2908
	8%
grade 6 events	7636
	22%
grade 7 events	11562
	34%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	31.582626	31.568400773745	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-0.304002	-0.29211421118946	Subarray start row	449	449
[deg] Pointing Roll	115.500082	115.64921167182	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	652917087.184000	652916207.41311			
Observation start date	2018-09-09T21:50:18	2018-09-09T21:36:47			
[s] Observation end time (MET)	652938087.184000	652939017.76447			
Observation end date	2018-09-10T03:40:18	2018-09-10T03:56:57			
Read mode	TIMED	TIMED			

2.3 Aspect



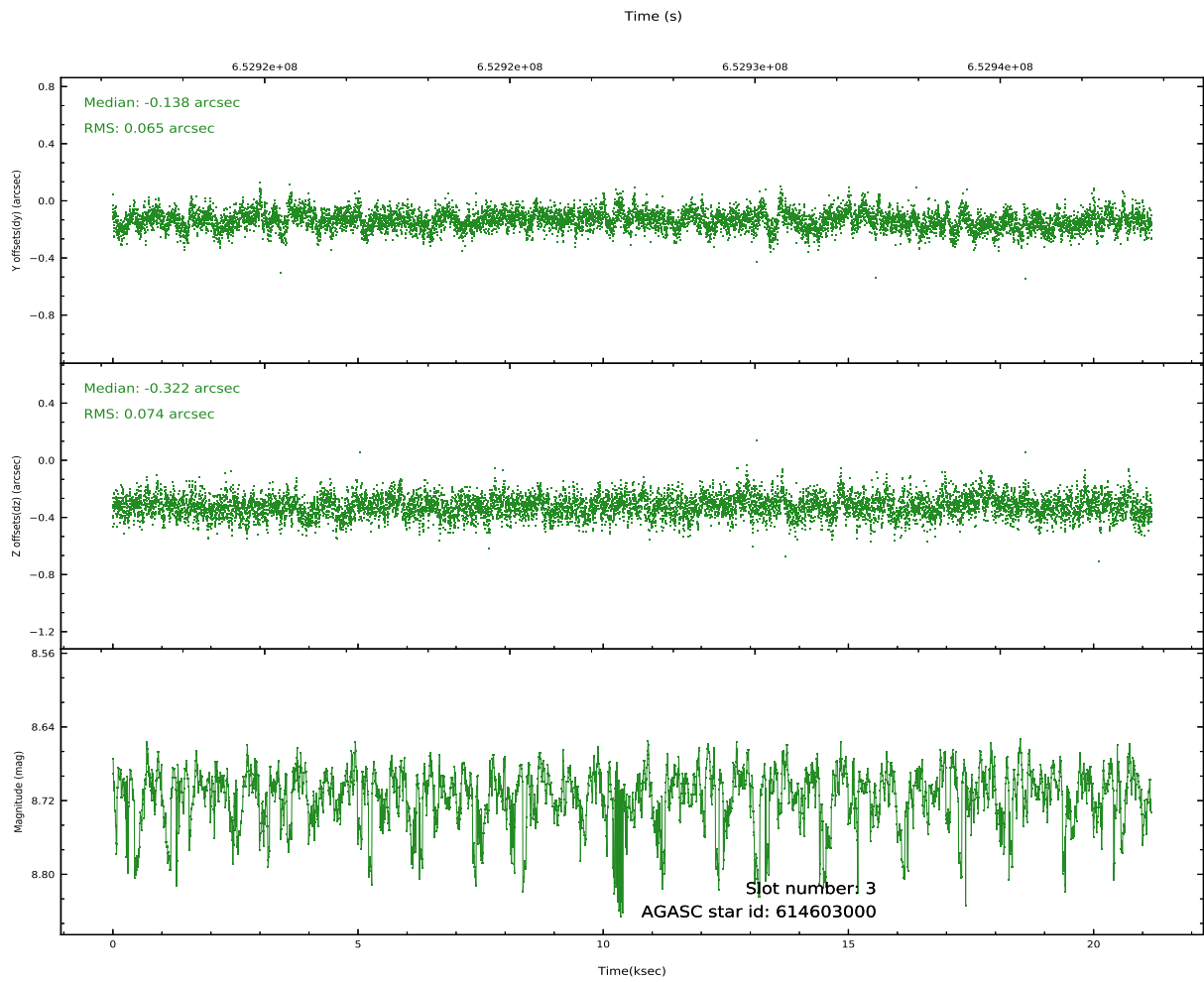
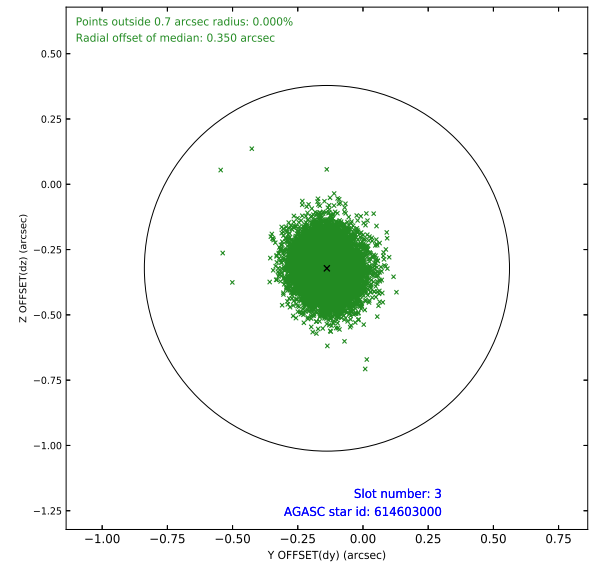
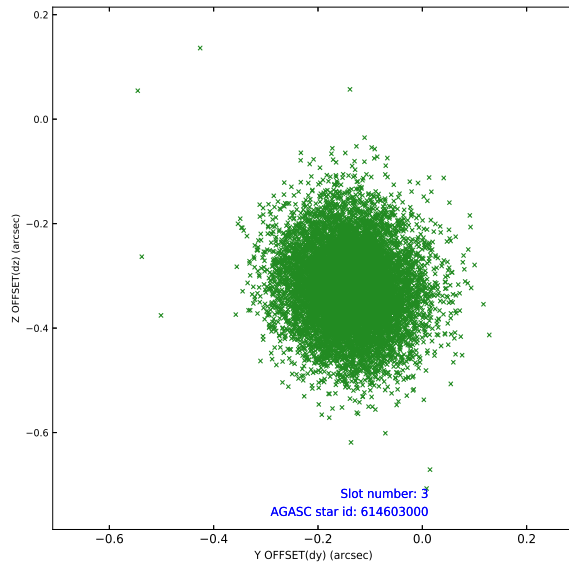


Slot Statistics

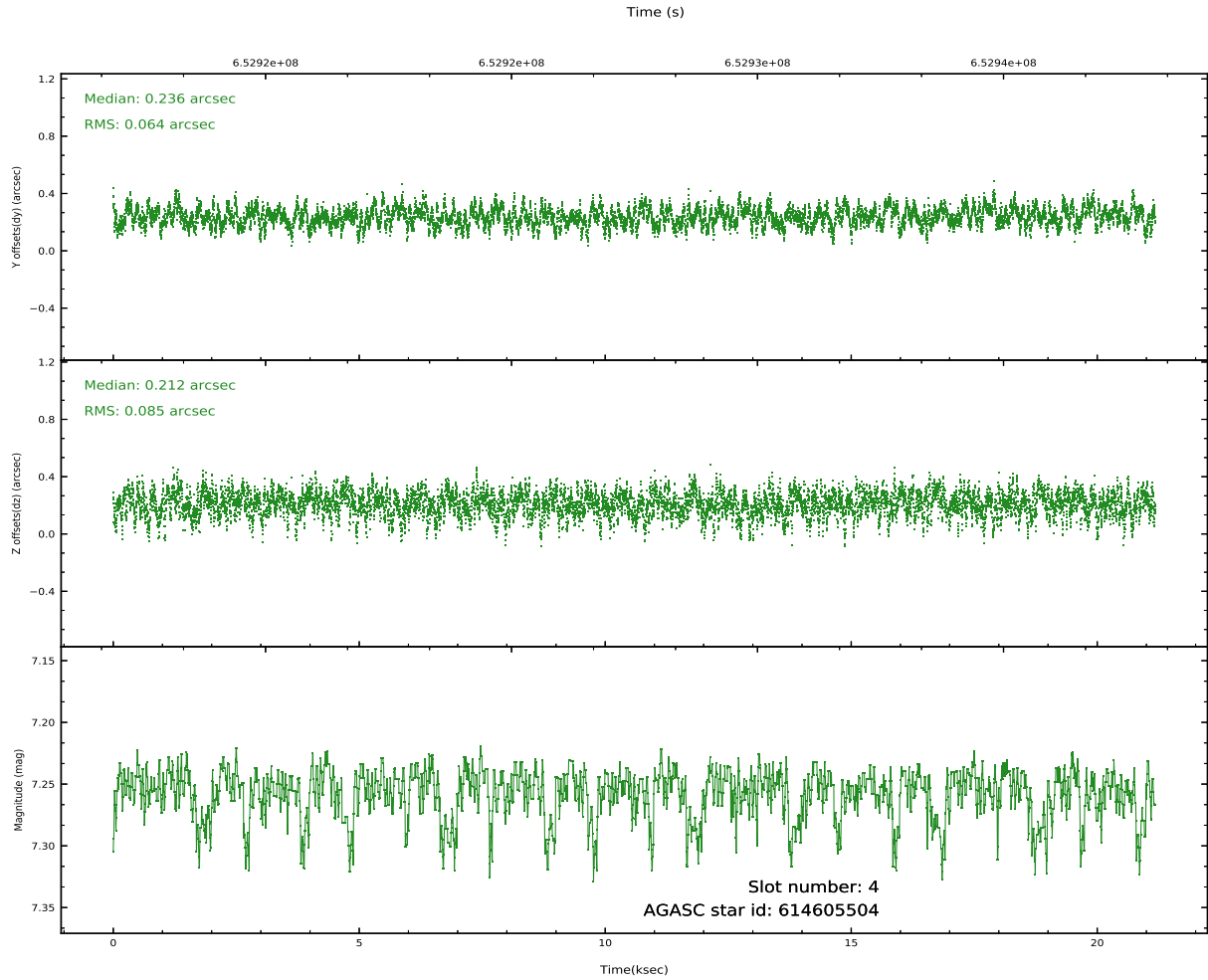
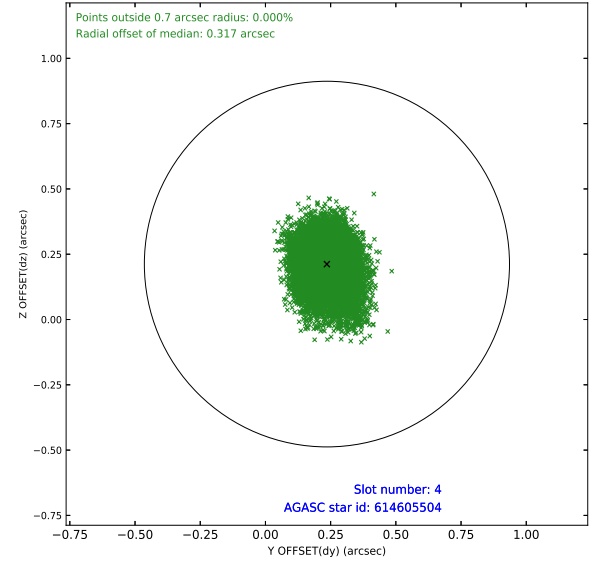
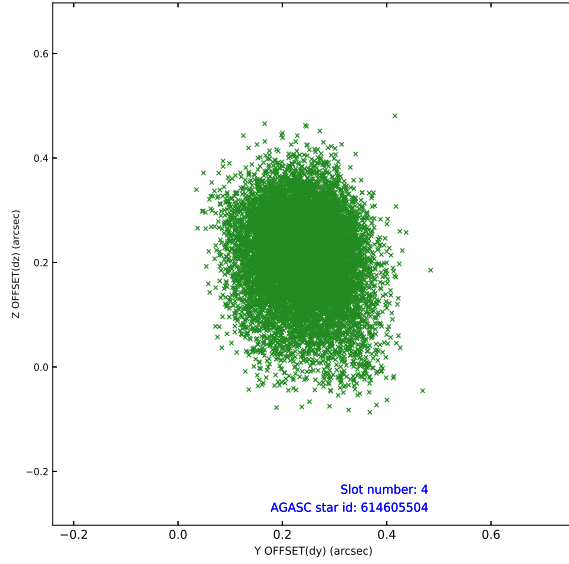
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	5166	1.000	0.173	-0.107	0.017	0.023	0.000000	0.000000	-776.54	-1743
1	FID		ACIS-S-4	7.21	5167	1.000	0.081	-0.053	0.024	0.053	0.000000	0.000000	2136.87	164
2	FID		ACIS-S-5	7.22	5165	1.000	-0.280	0.171	0.014	0.032	0.000000	0.000000	-1829.31	158
3	GUIDE	used	614603000	8.71	10328	1.000	-0.138	-0.322	0.104	0.171	31.292832	-0.000879	1433.86	471
4	GUIDE	used	614605504	7.25	10333	1.000	0.236	0.212	0.112	0.185	32.113697	-0.419301	-1196.82	-1546
5	GUIDE	used	614606448	6.99	10334	1.000	0.157	0.144	0.121	0.184	31.892805	-0.617418	-1502.50	-515
6	GUIDE	used	4857448	8.70	10318	1.000	-0.019	0.149	0.127	0.207	31.329717	0.322843	2428.55	-149
7	GUIDE	used	614603456	8.84	10323	1.000	-0.240	-0.181	0.128	0.211	30.926579	-0.024024	1926.81	1697

2.4 Star Slots

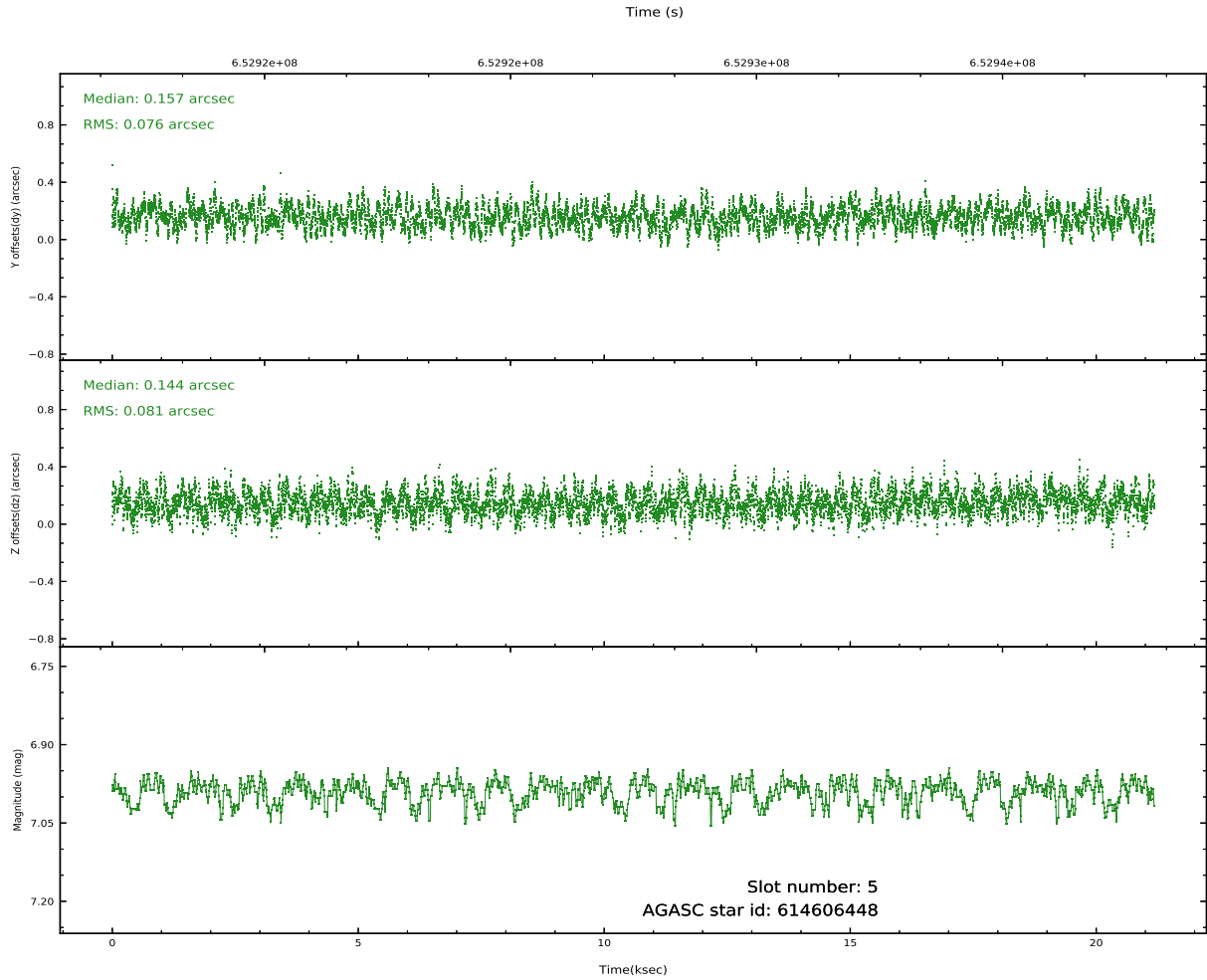
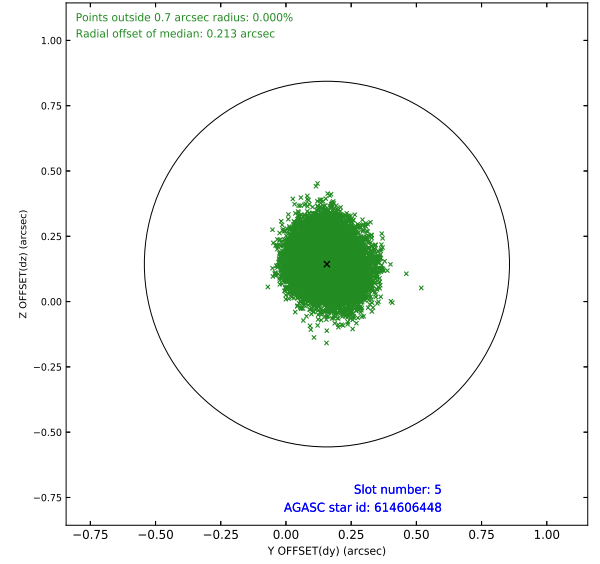
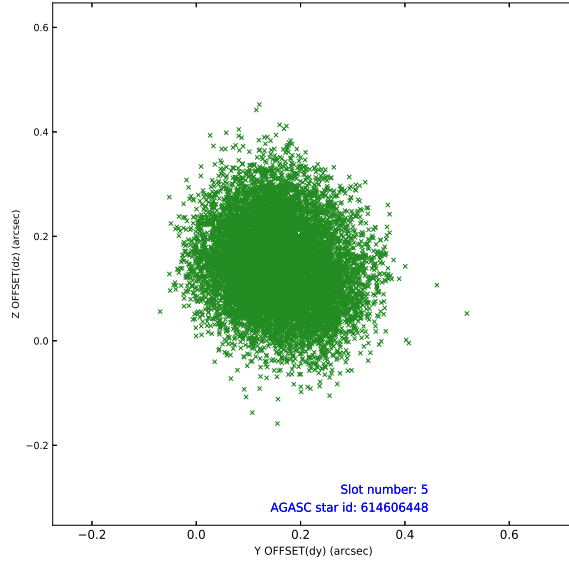
2.4.1 Slot 3



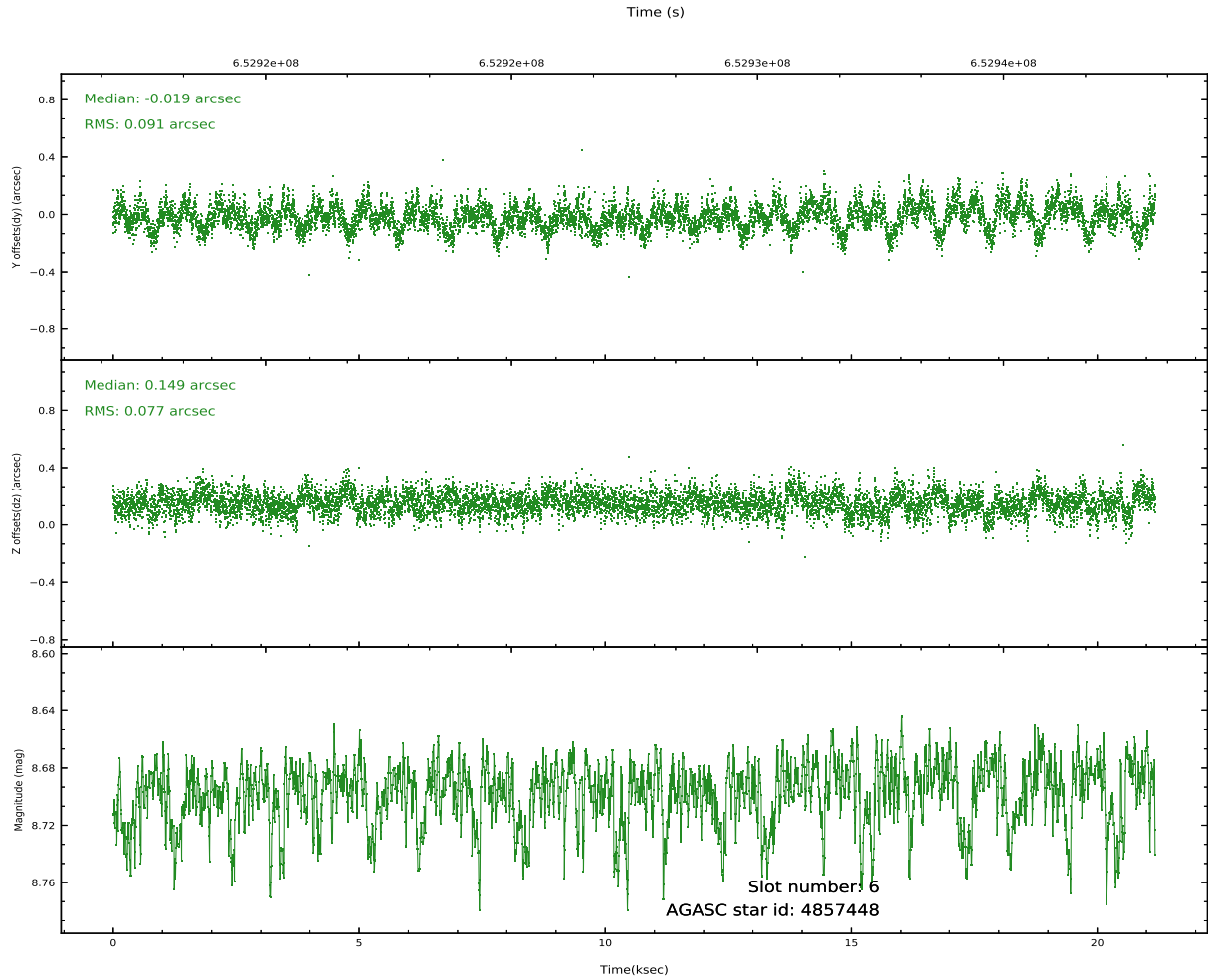
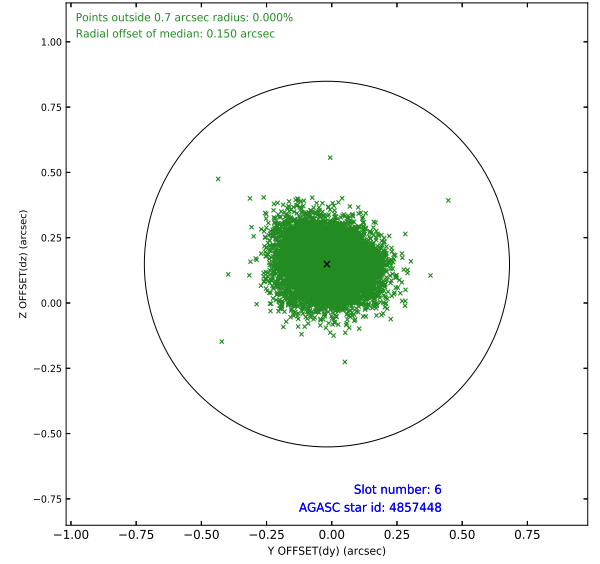
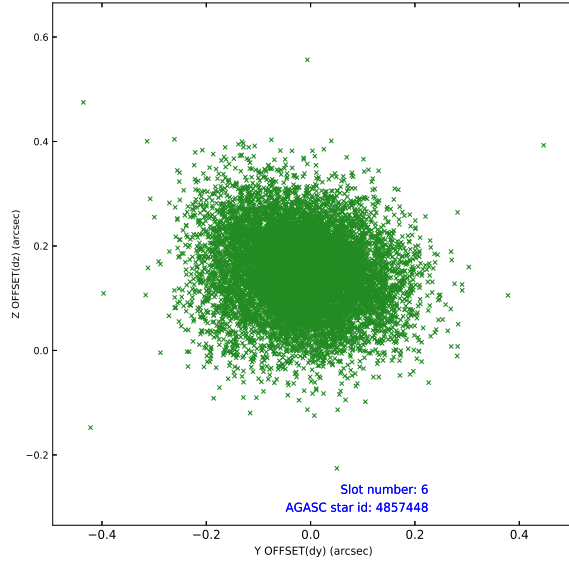
2.4.2 Slot 4



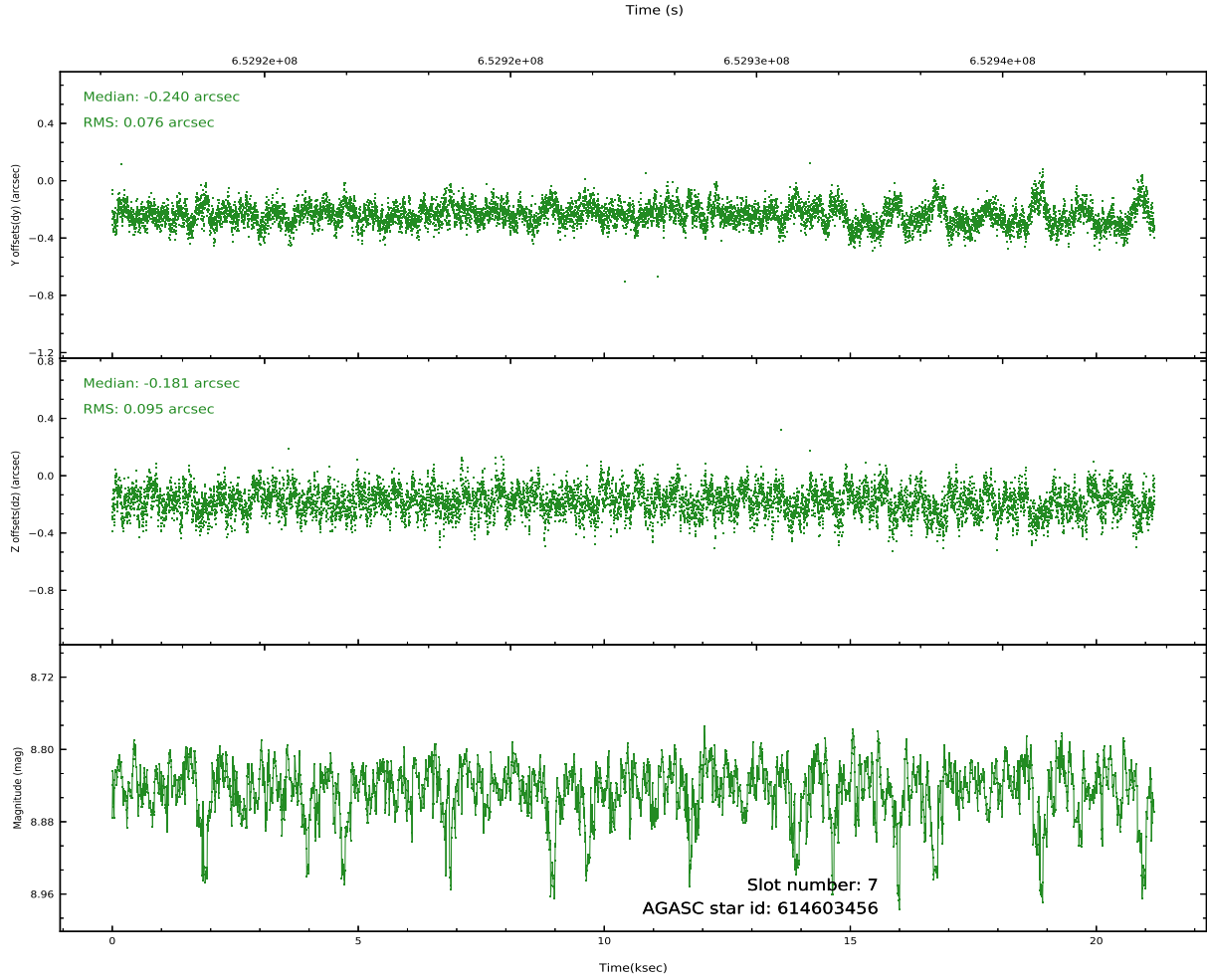
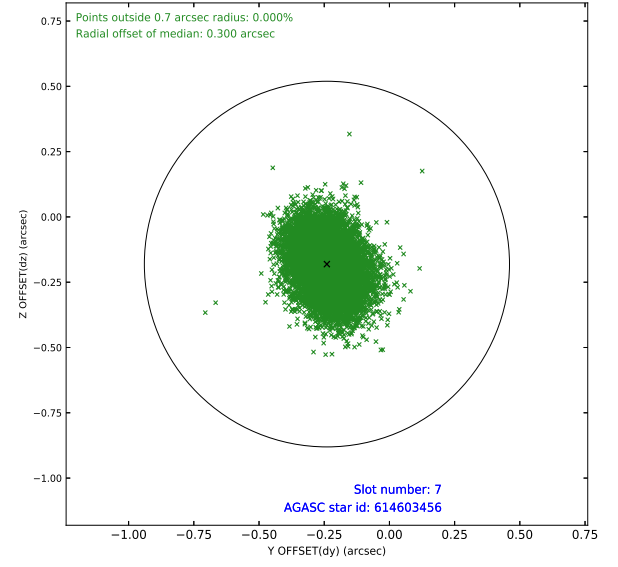
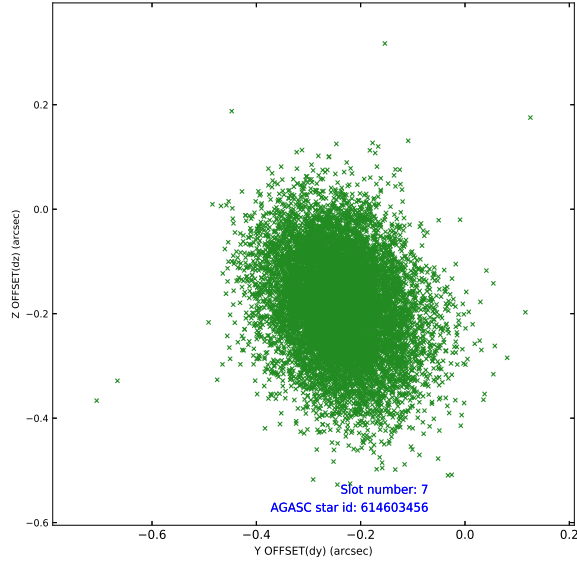
2.4.3 Slot 5



2.4.4 Slot 6

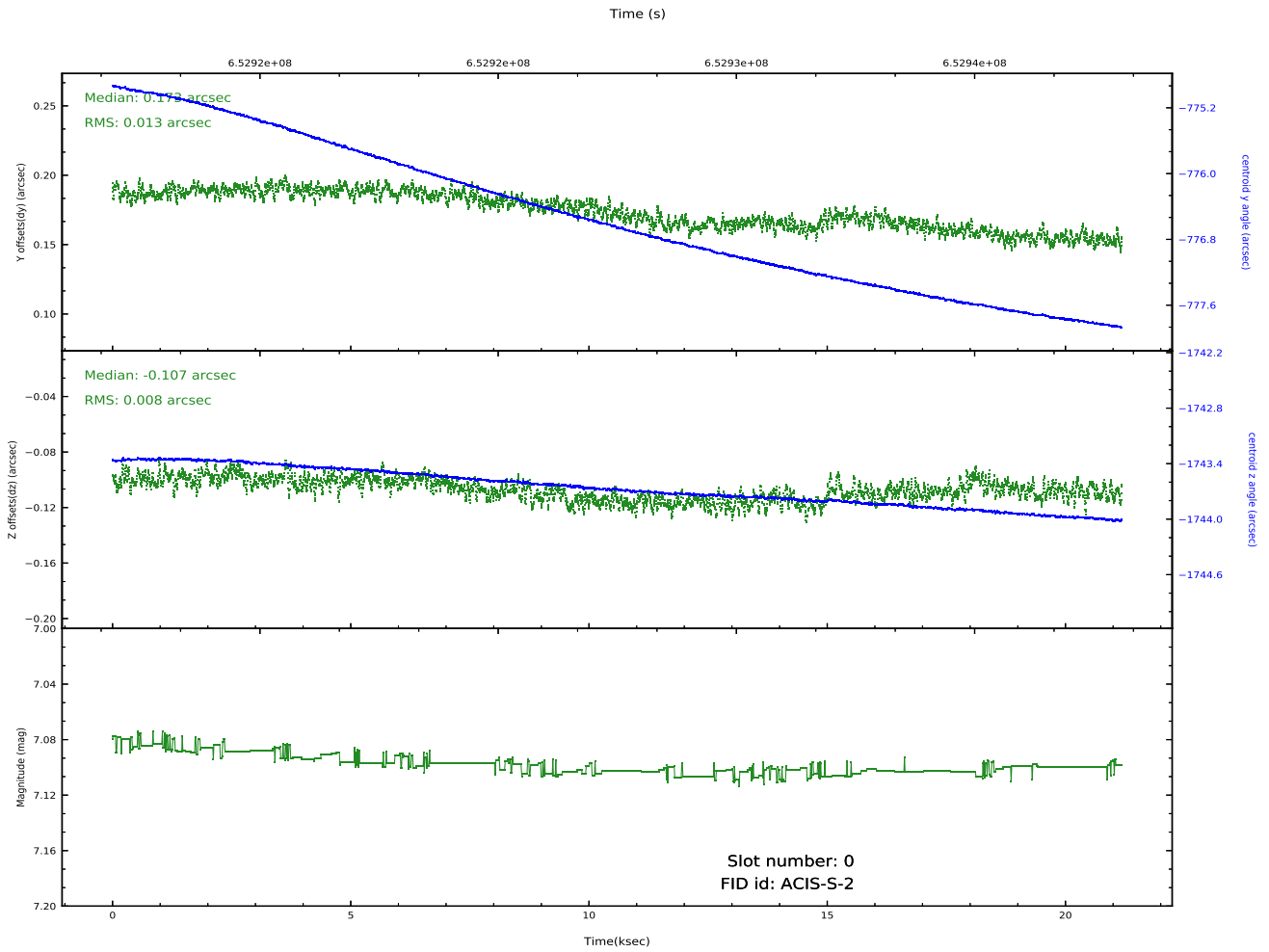
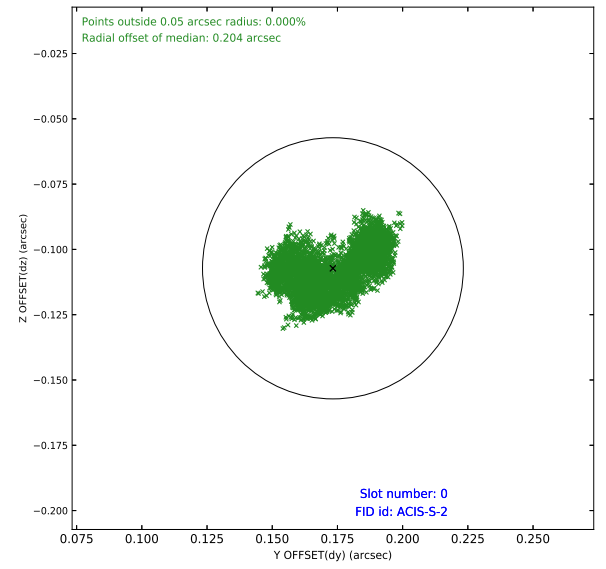
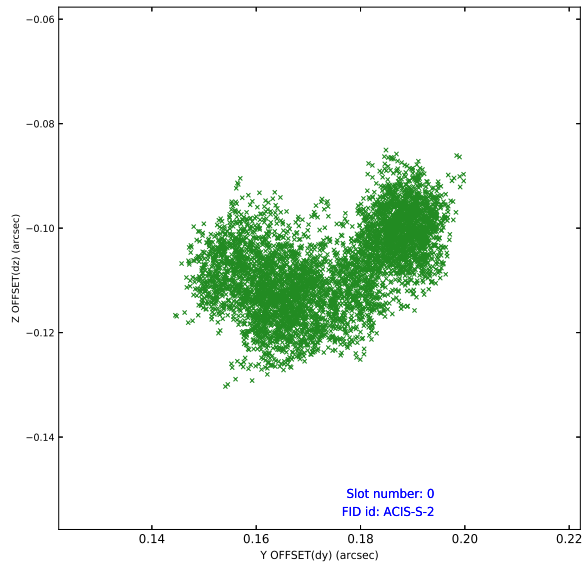


2.4.5 Slot 7

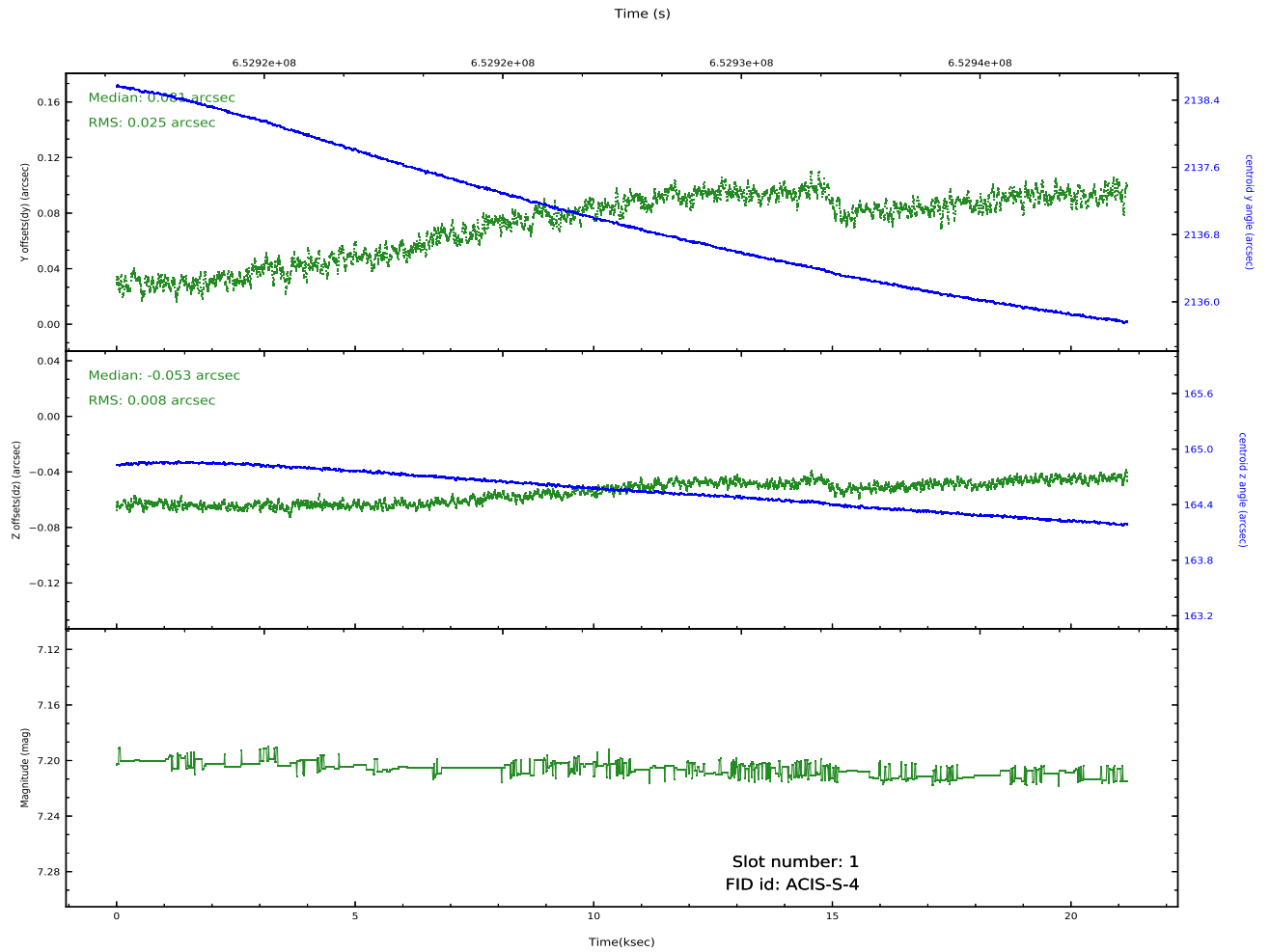
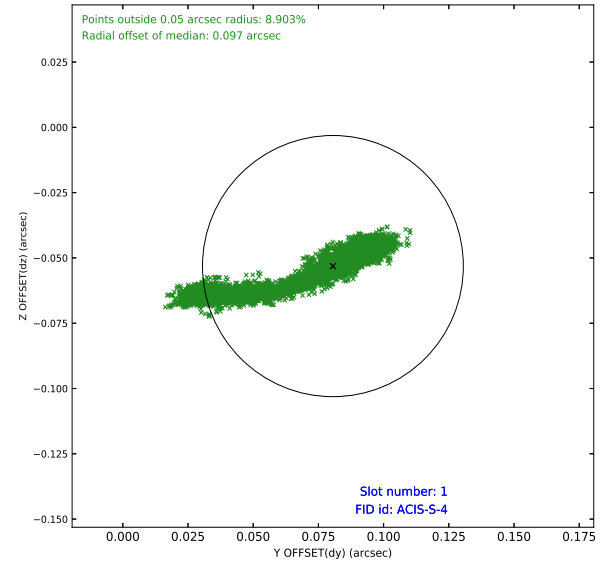
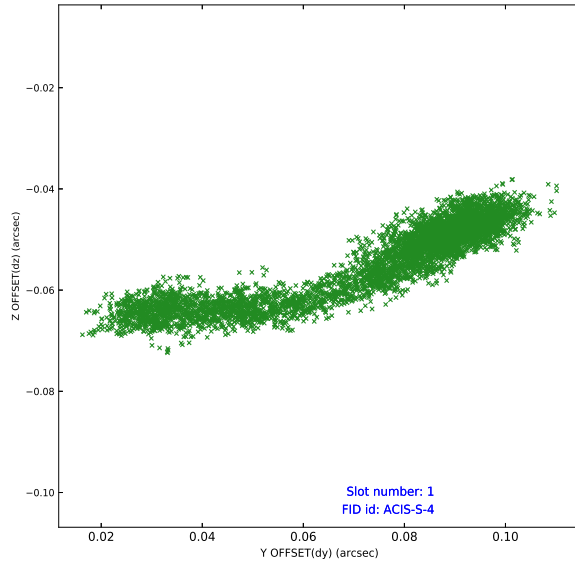


2.5 FID Slots

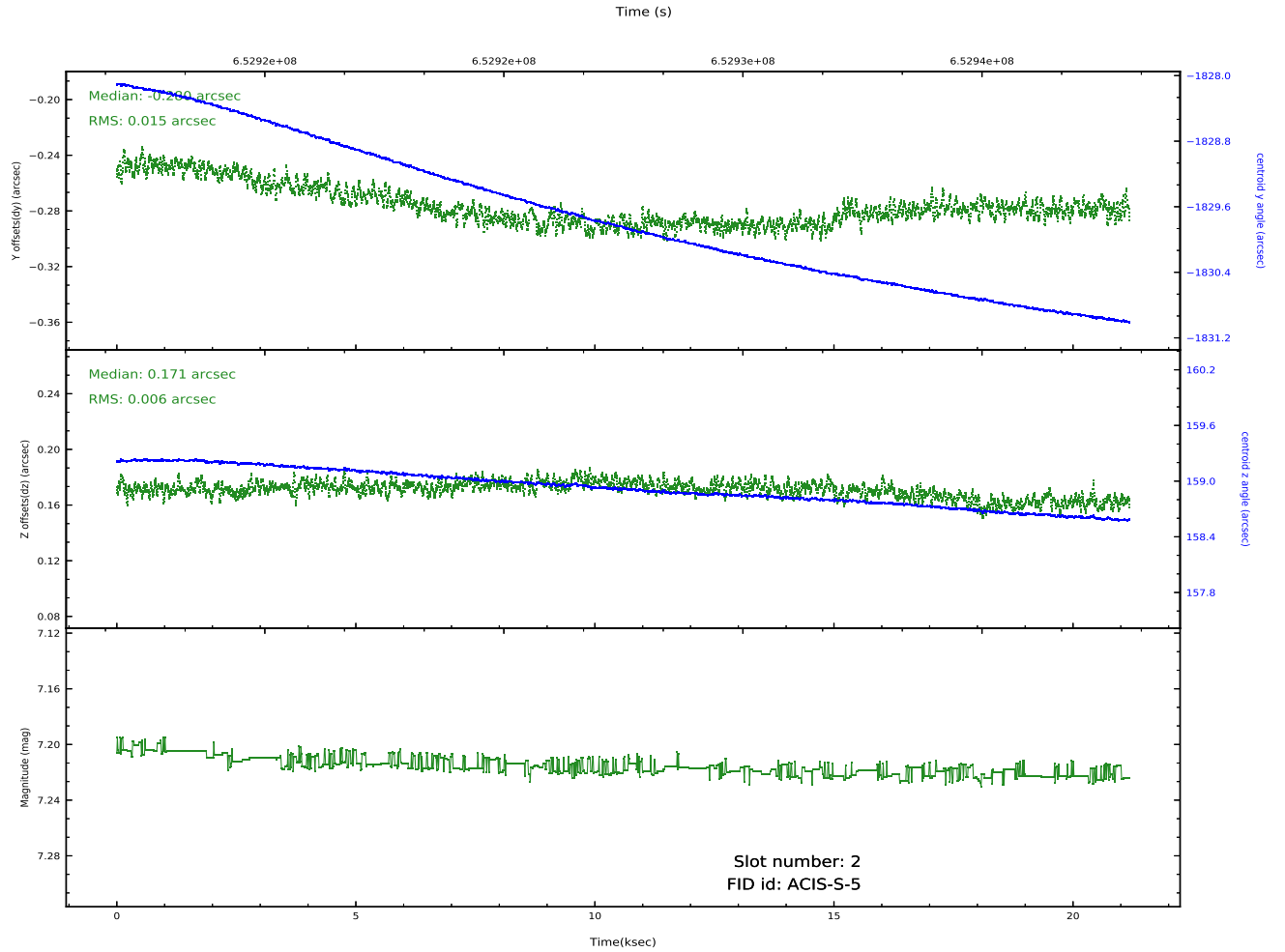
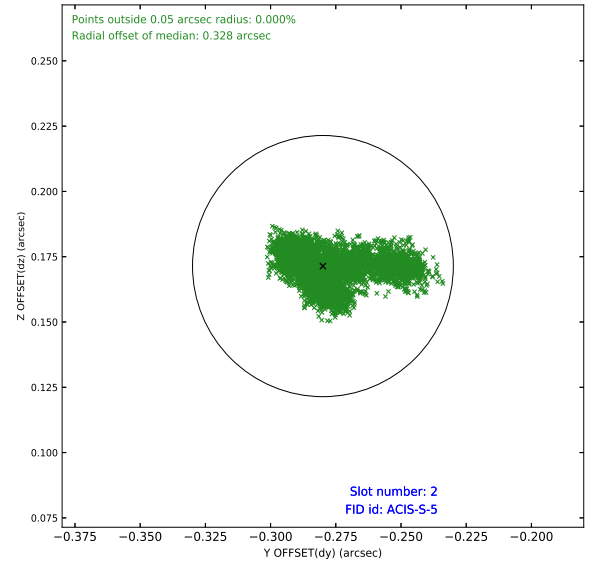
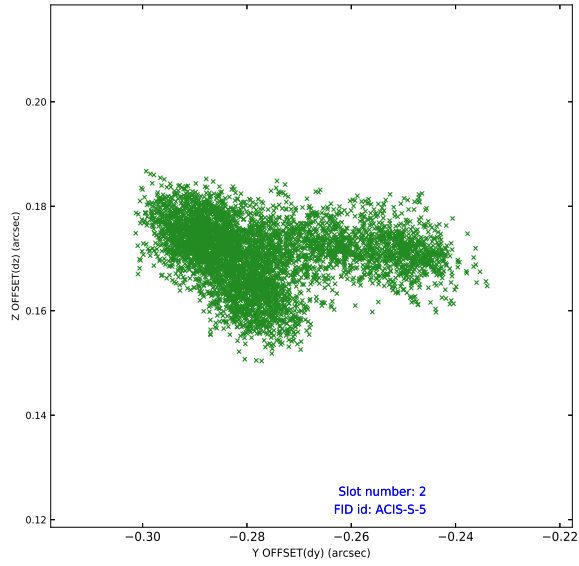
2.5.1 Slot 0



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)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.068798744082

A.2 Comments