

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20409 - L2 Version 2
Chandra X-Ray Center

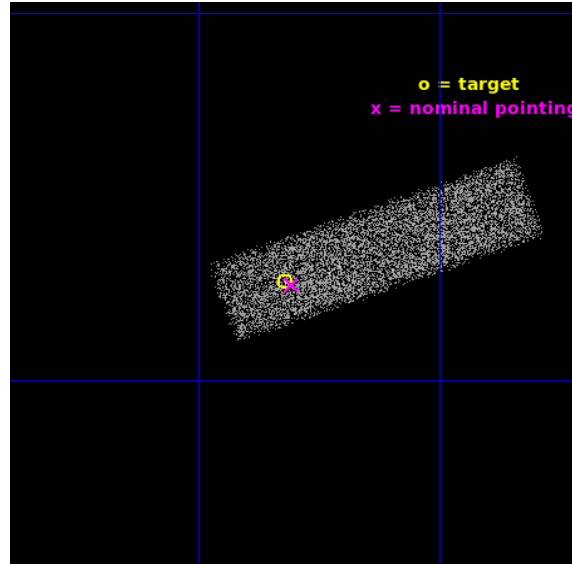
L2 Processing Date : Oct 28 2020

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1 Front

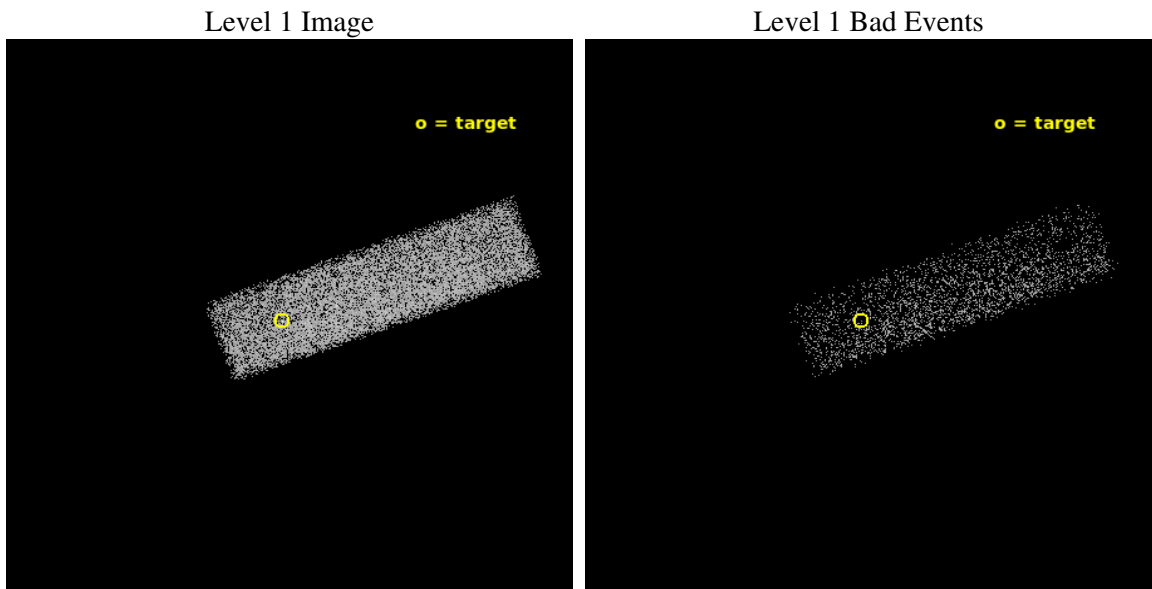
seq_num	703514	Sequence number
obs_id	20409	Observation id
title	A SEARCH FOR BEACONS IN THE EARLY UNIVERSE: A SURVEY OF HIGH REDSHIFT RADIO JETS	Proposal title
observer	Daniel Schwartz	Principal investigator
object	J1655+3242	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	253.83	Observer's specified target RA [deg]
dec_targ	32.711389	Observer's specified target Dec [deg]
ra_nom	253.82652260697	Nominal RA [deg]
dec_nom	32.710165338491	Nominal Dec [deg]
roll_nom	340.14803396864	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10059.999400377	Sum of GTIs [s]
liveltime	9569.1043473579	Livetime [s]
ontime7	10059.999400377	Sum of GTIs [s]
l2events	11701	Number of level 2 events



2 OBI

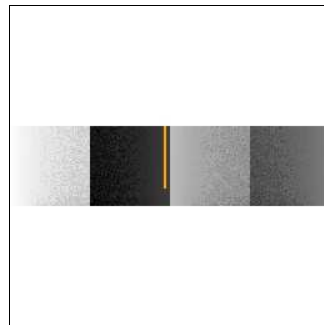
2.1 OBI

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	10.9.2	Processing system revision	ontime	10059.999400377	Sum of GTIs [s]
caldbver	4.9.3	 	ontime7	10059.999400377	Sum of GTIs [s]
date	2020-10-28T07:32:00	Date and time of file creation	l1events	25280	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

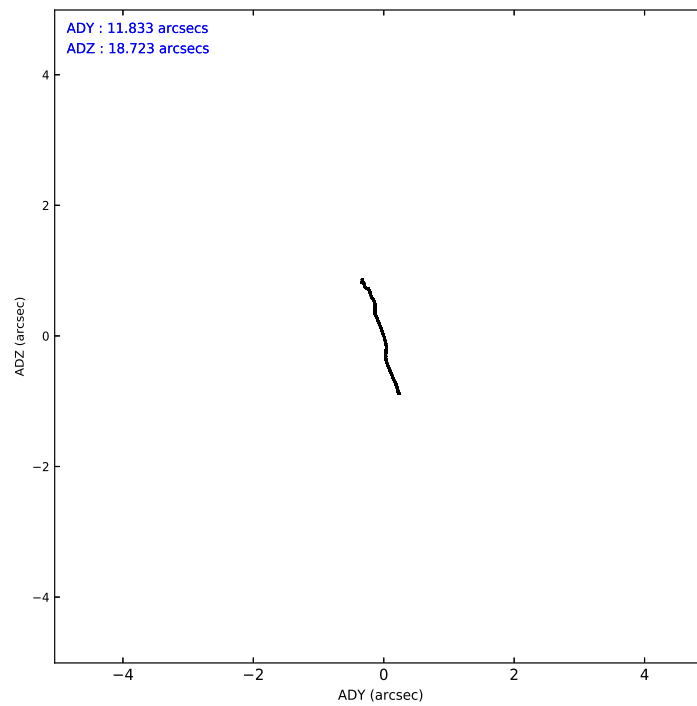
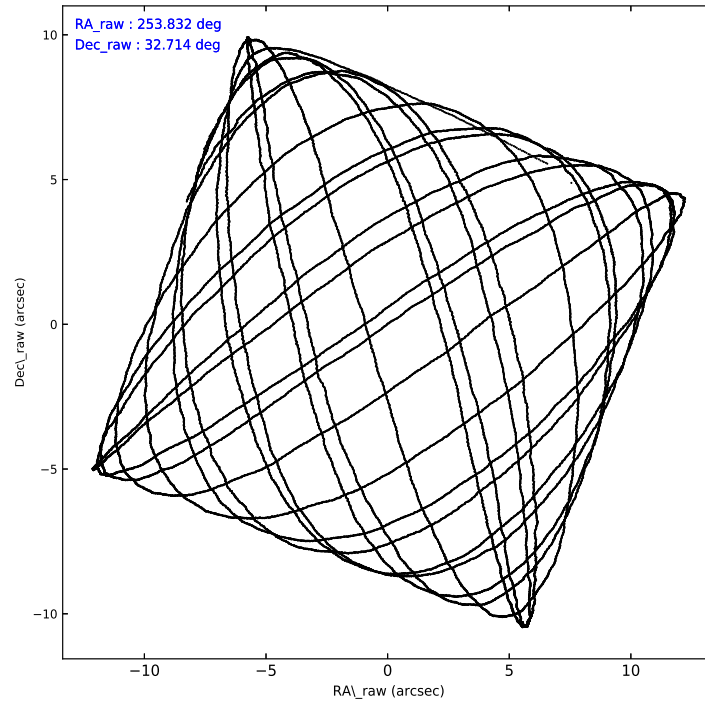
	ccd 7
level 1 events	25280
rejected events	13177
rejected %	52%

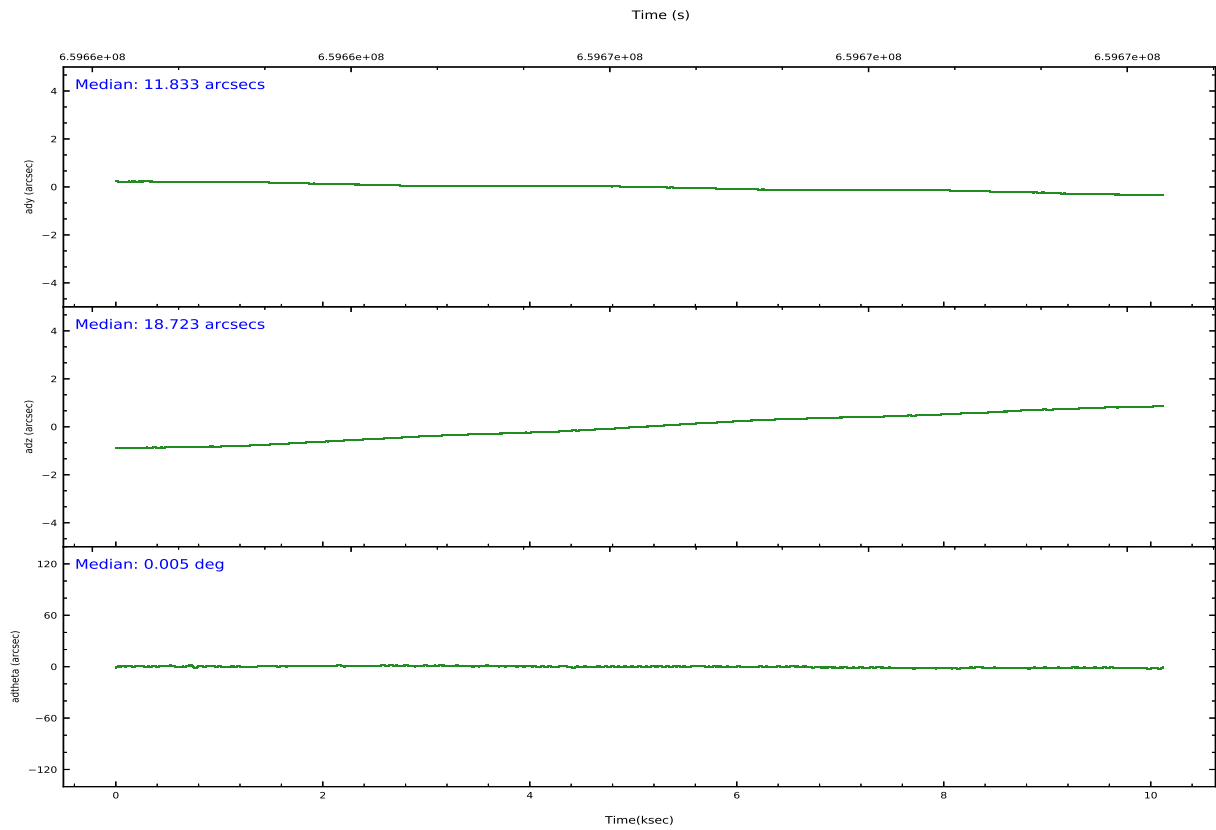
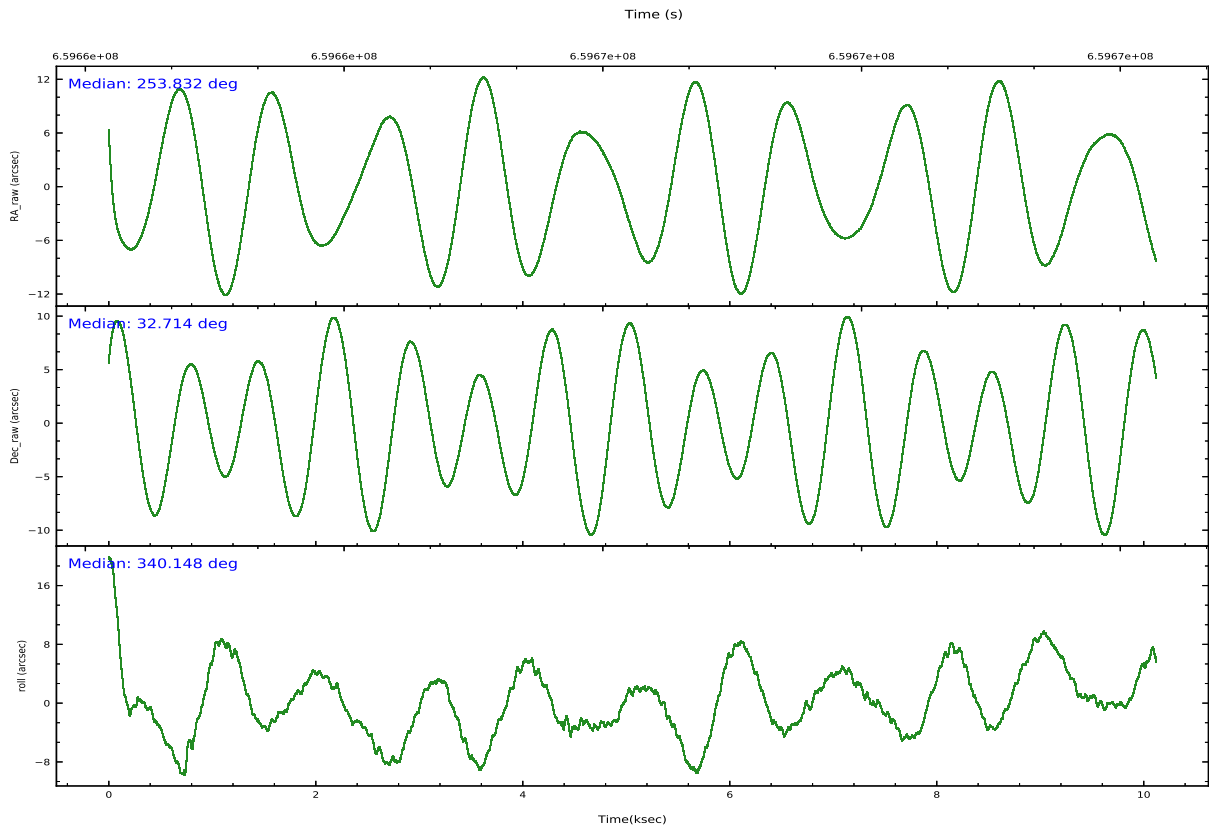
	ccd 7
grade 0 events	1191
	4%
grade 1 events	39
	0%
grade 2 events	2398
	9%
grade 3 events	1308
	5%
grade 4 events	1239
	4%
grade 5 events	2541
	10%
grade 6 events	5970
	23%
grade 7 events	10594
	41%

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	253.800576	253.82652260697	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	32.708784	32.710165338491	Subarray start row	385	385
[deg] Pointing Roll	340.015902	340.14803396864	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	659662847.184000	659661581.1942199			
Observation start date	2018-11-26T23:39:38	2018-11-26T23:19:41			
[s] Observation end time (MET)	659672847.184000	659673576.25743			
Observation end date	2018-11-27T02:26:18	2018-11-27T02:39:36			
Read mode	TIMED	TIMED			

2.3 Aspect





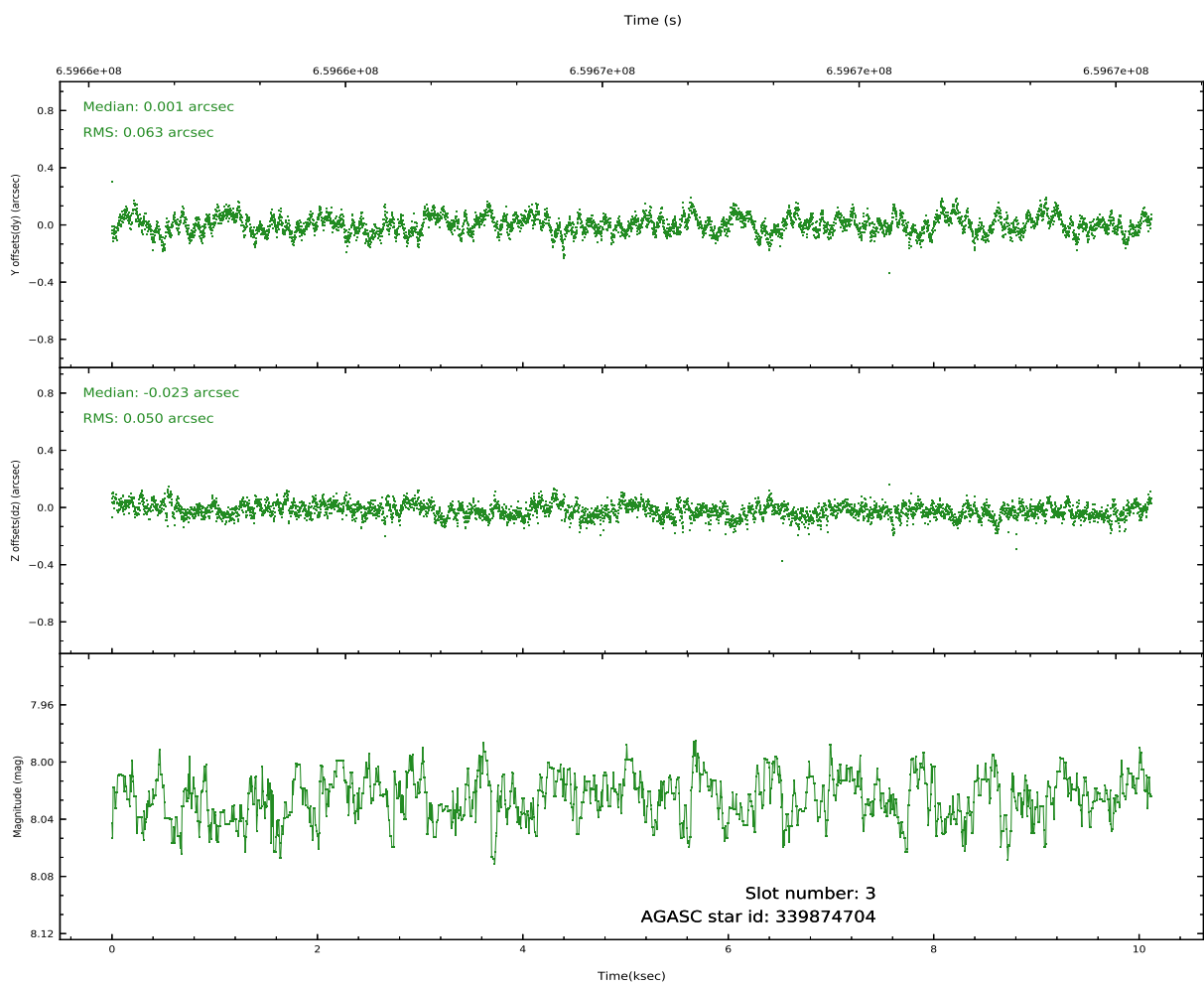
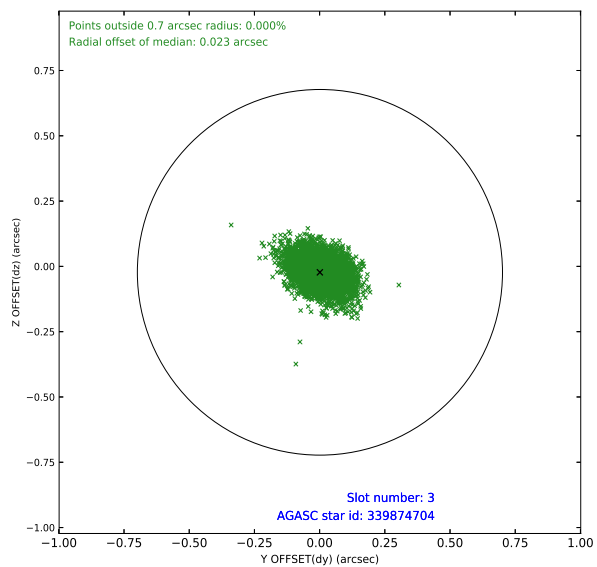
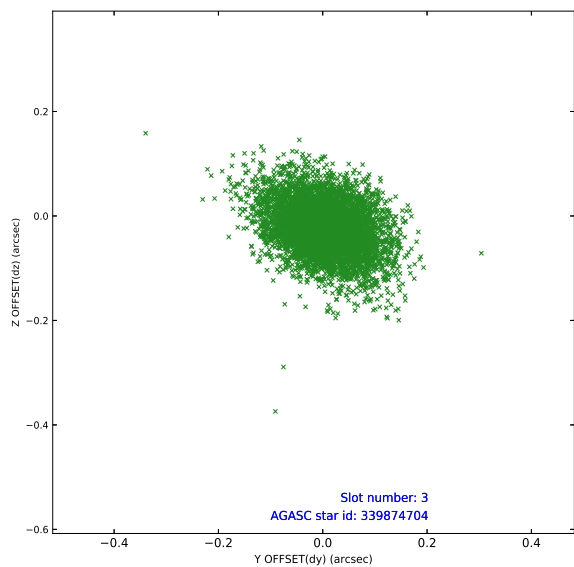
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.01	2469	1.000	0.184	-0.133	0.024	0.050	0.000000	0.000000	-764.77	-1740
1	FID		ACIS-S-4	7.15	2468	1.000	0.158	-0.052	0.008	0.016	0.000000	0.000000	2148.53	167
2	FID		ACIS-S-5	7.13	2469	1.000	-0.372	0.195	0.024	0.050	0.000000	0.000000	-1817.21	162
3	GUIDE	used	339874704	8.02	4937	1.000	0.001	-0.023	0.083	0.140	253.702113	32.680907	-245.66	-195
4	GUIDE	used	339879936	8.67	4935	1.000	-0.203	0.079	0.113	0.177	253.889183	32.635598	342.51	-155
5	GUIDE	used	339881696	9.23	4934	1.000	0.275	0.042	0.212	0.322	253.224739	32.211992	-1037.63	-2276
6	GUIDE	used	339882032	8.55	4935	1.000	-0.074	0.065	0.178	0.255	253.147433	32.457371	-1556.96	-1523
7	GUIDE	used	340013352	7.34	4936	1.000	-0.003	-0.175	0.074	0.130	254.302526	32.233600	2020.36	-1082

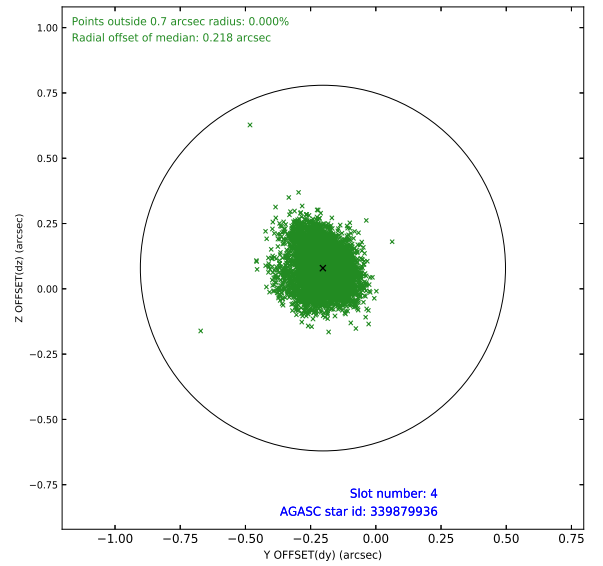
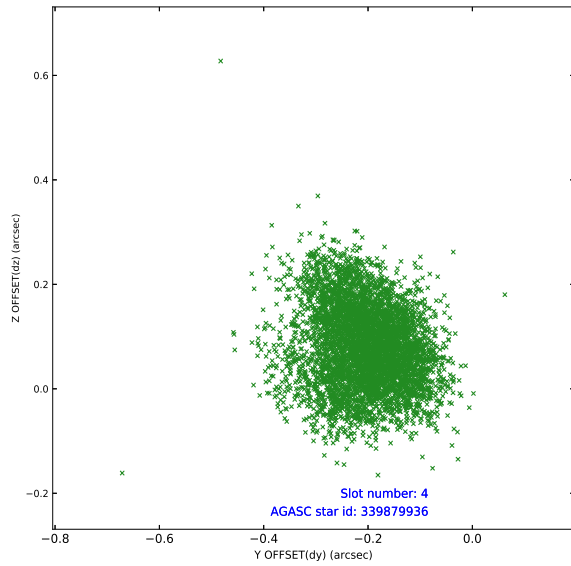
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2.4 Star Slots

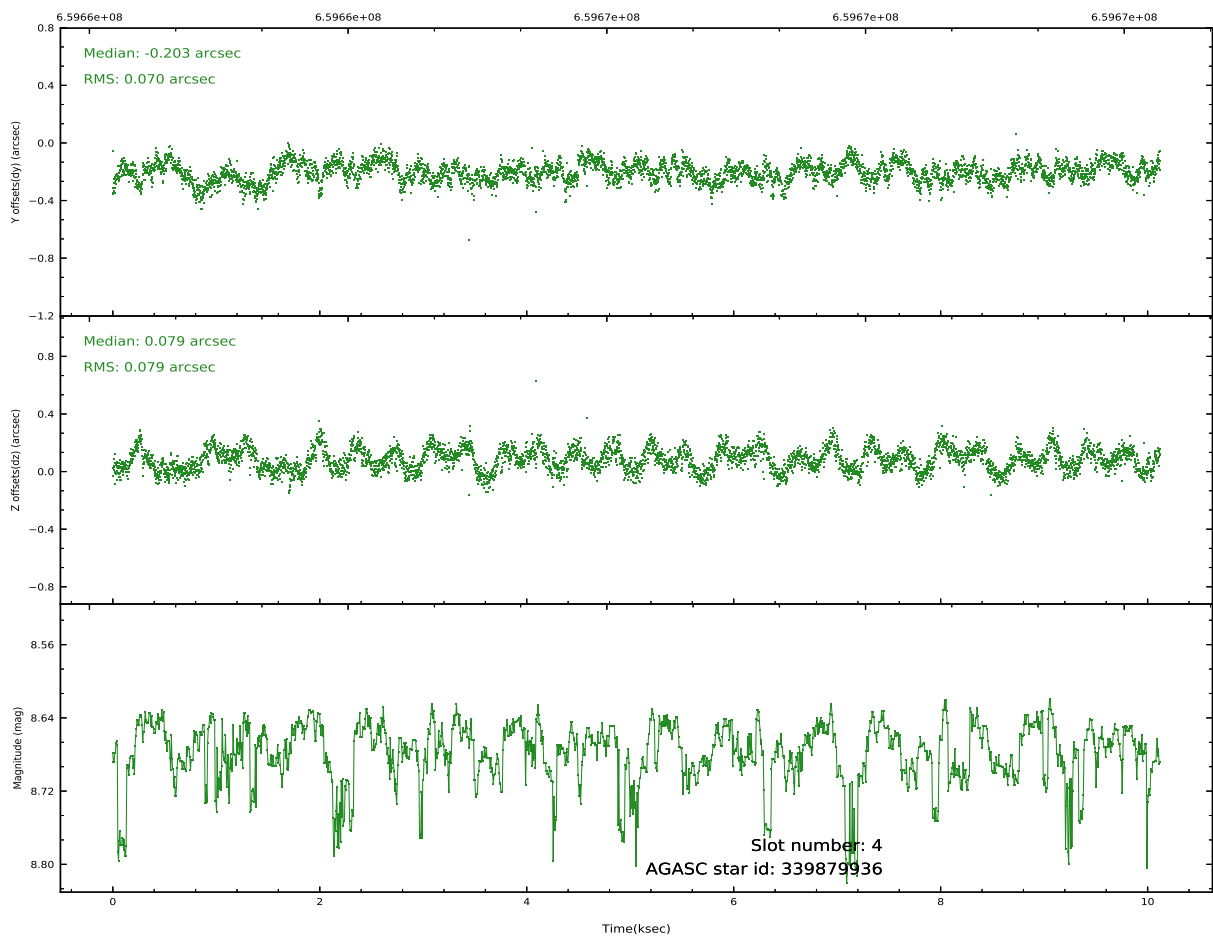
2.4.1 Slot 3



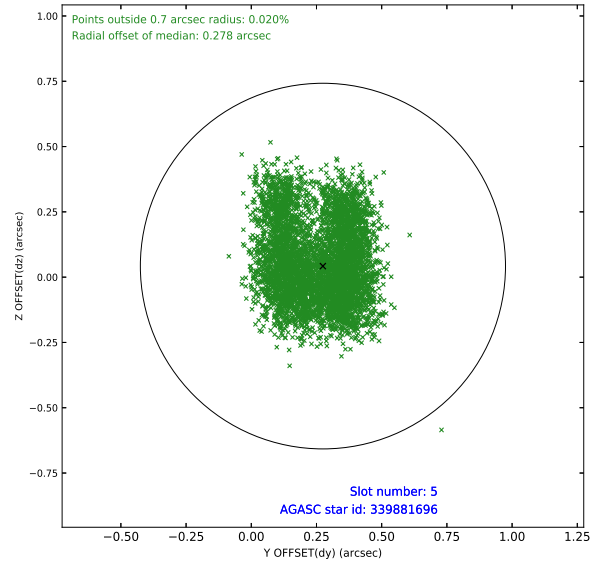
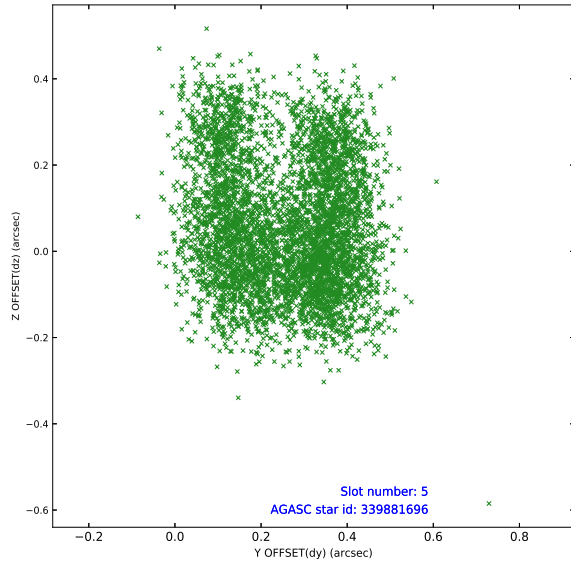
2.4.2 Slot 4



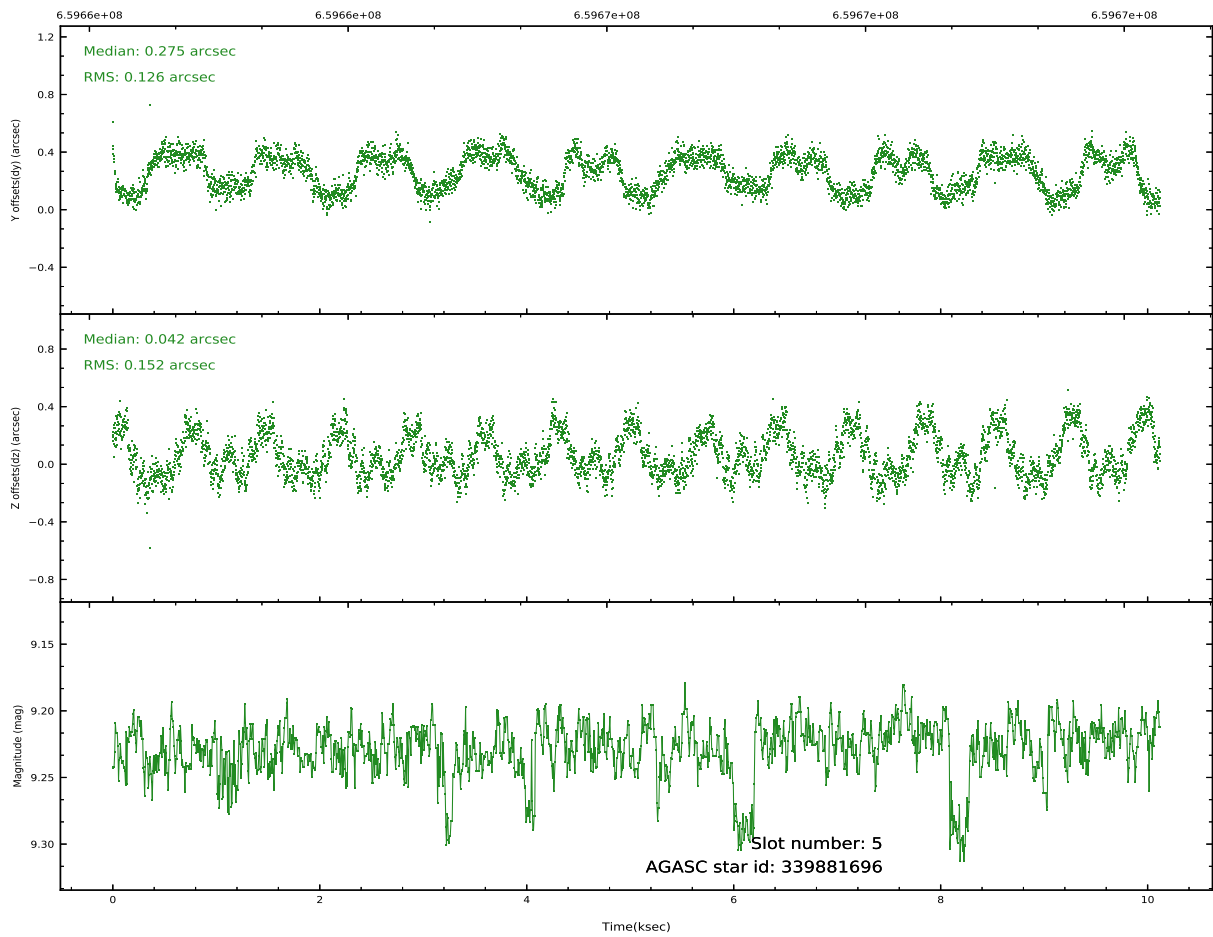
Time (s)



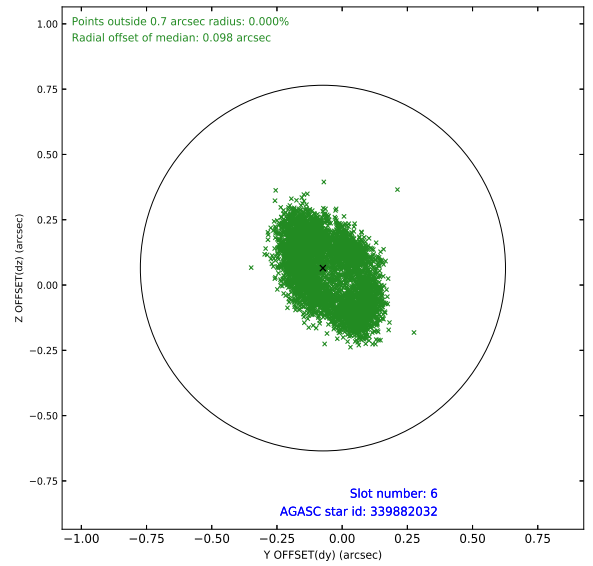
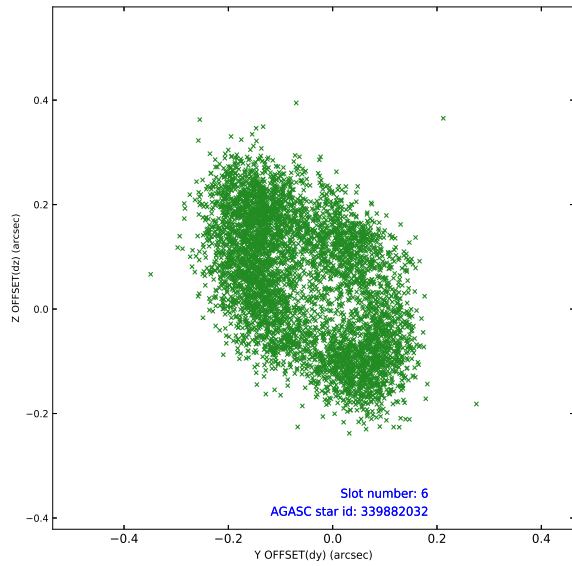
2.4.3 Slot 5



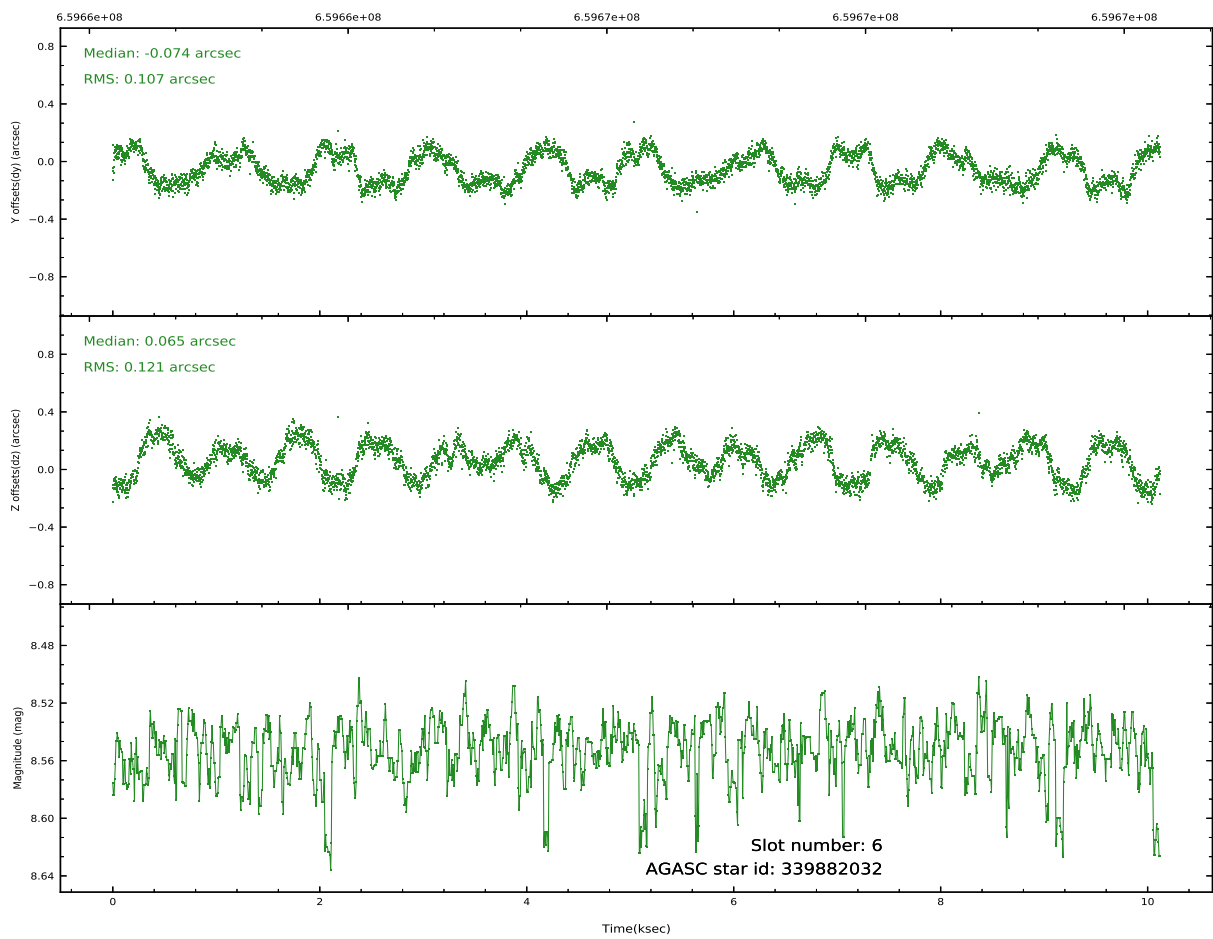
Time (s)



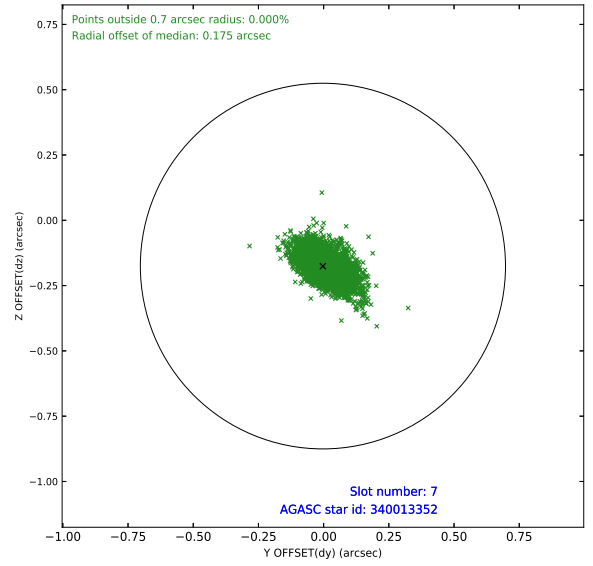
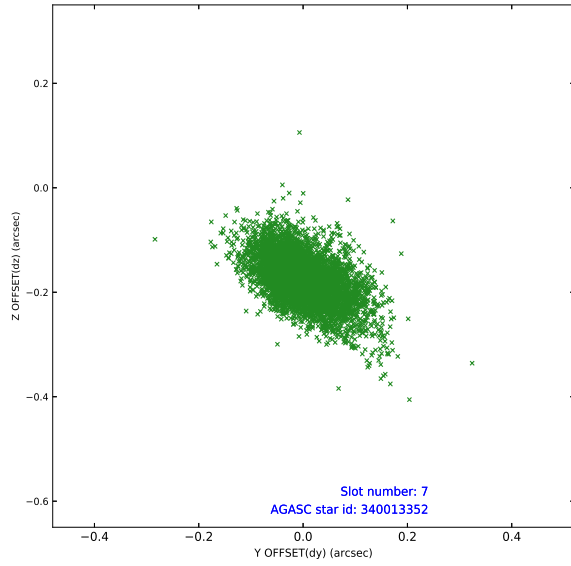
2.4.4 Slot 6



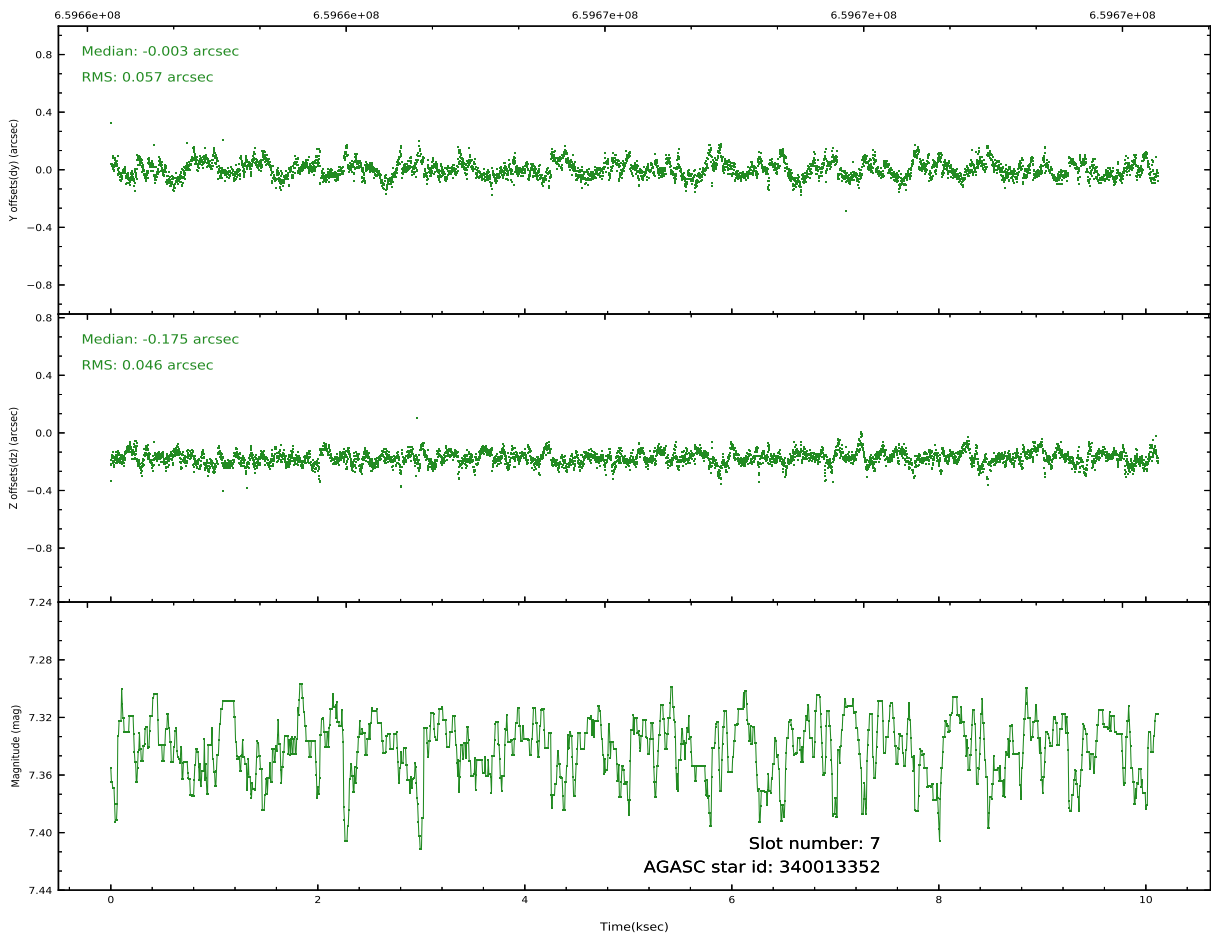
Time (s)



2.4.5 Slot 7

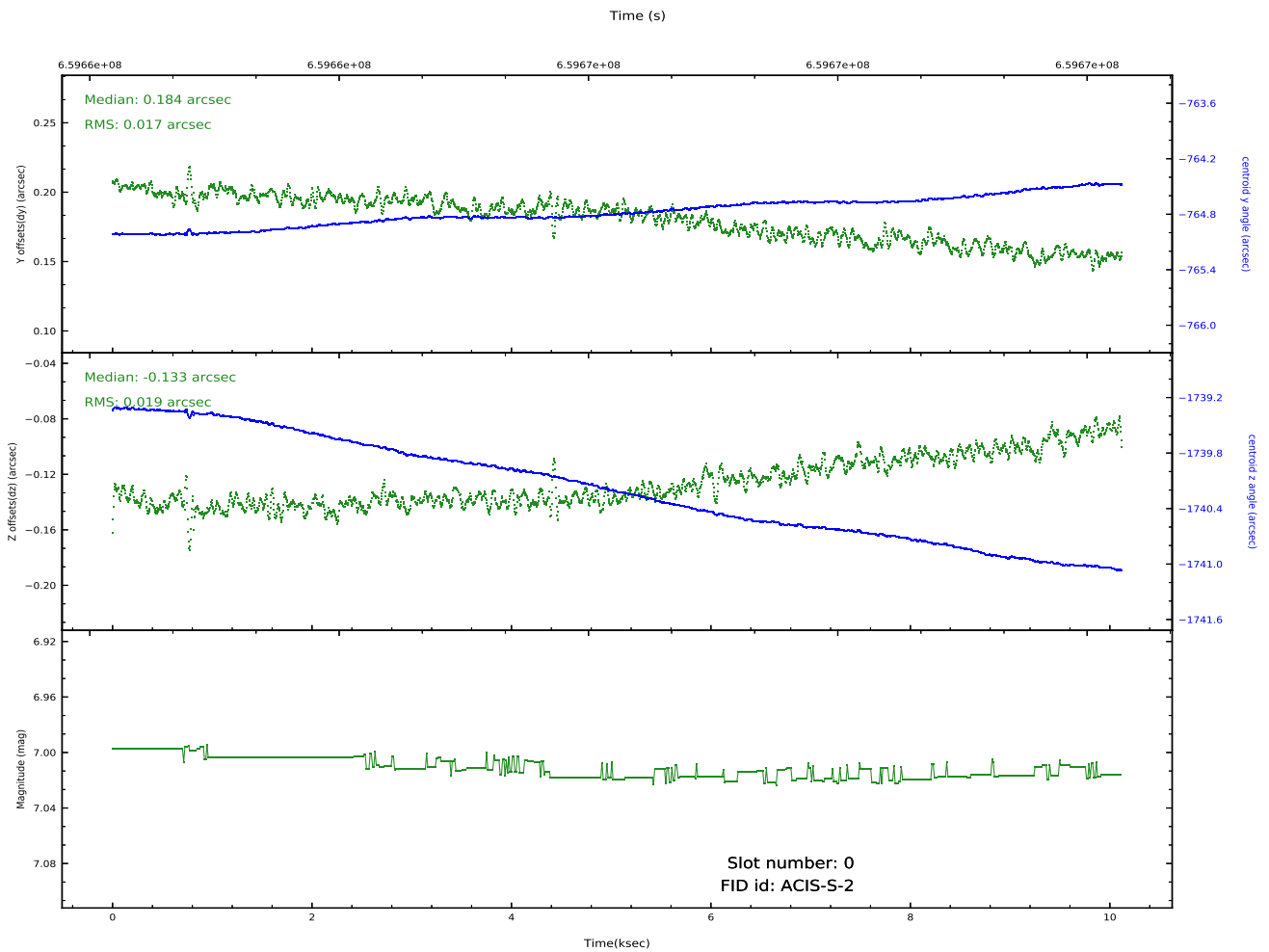
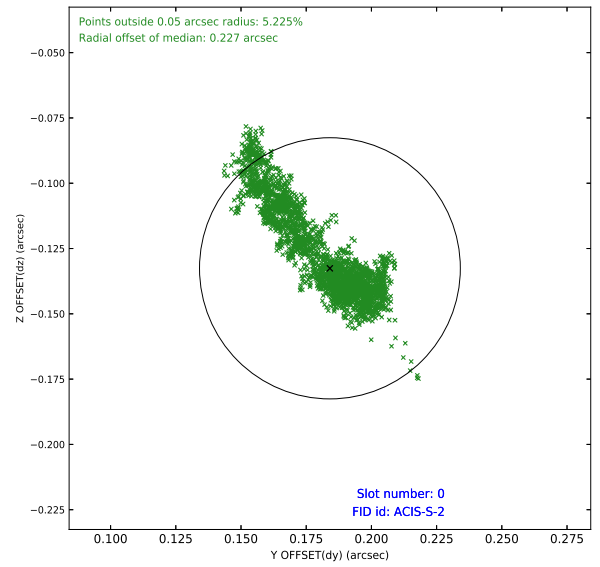
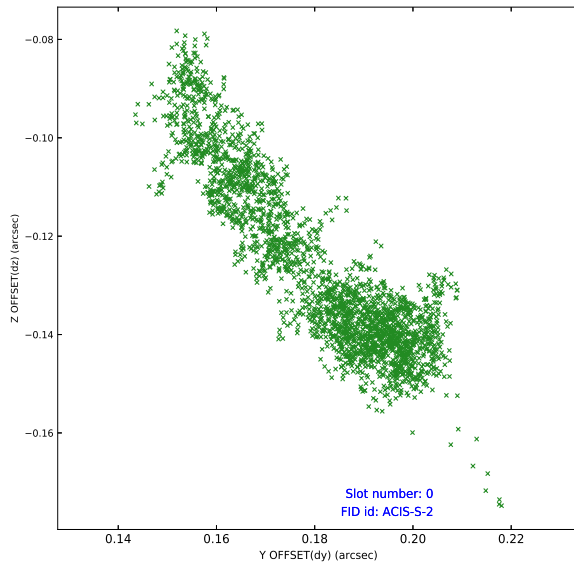


Time (s)

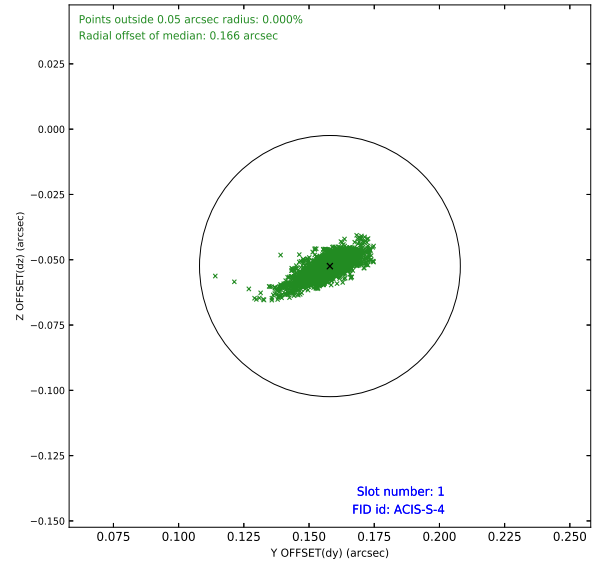
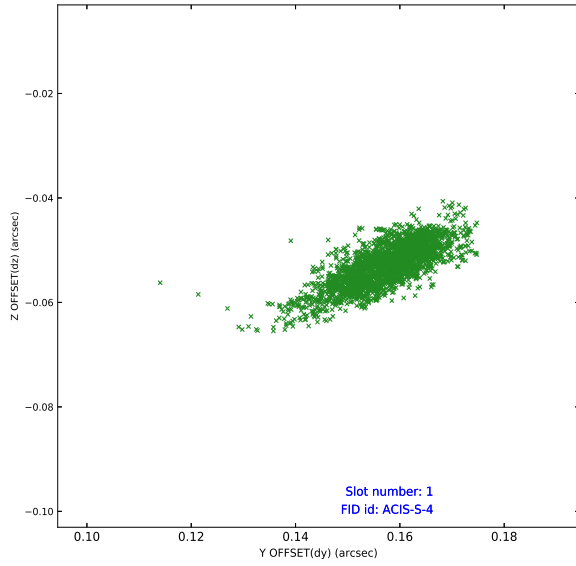


2.5 FID Slots

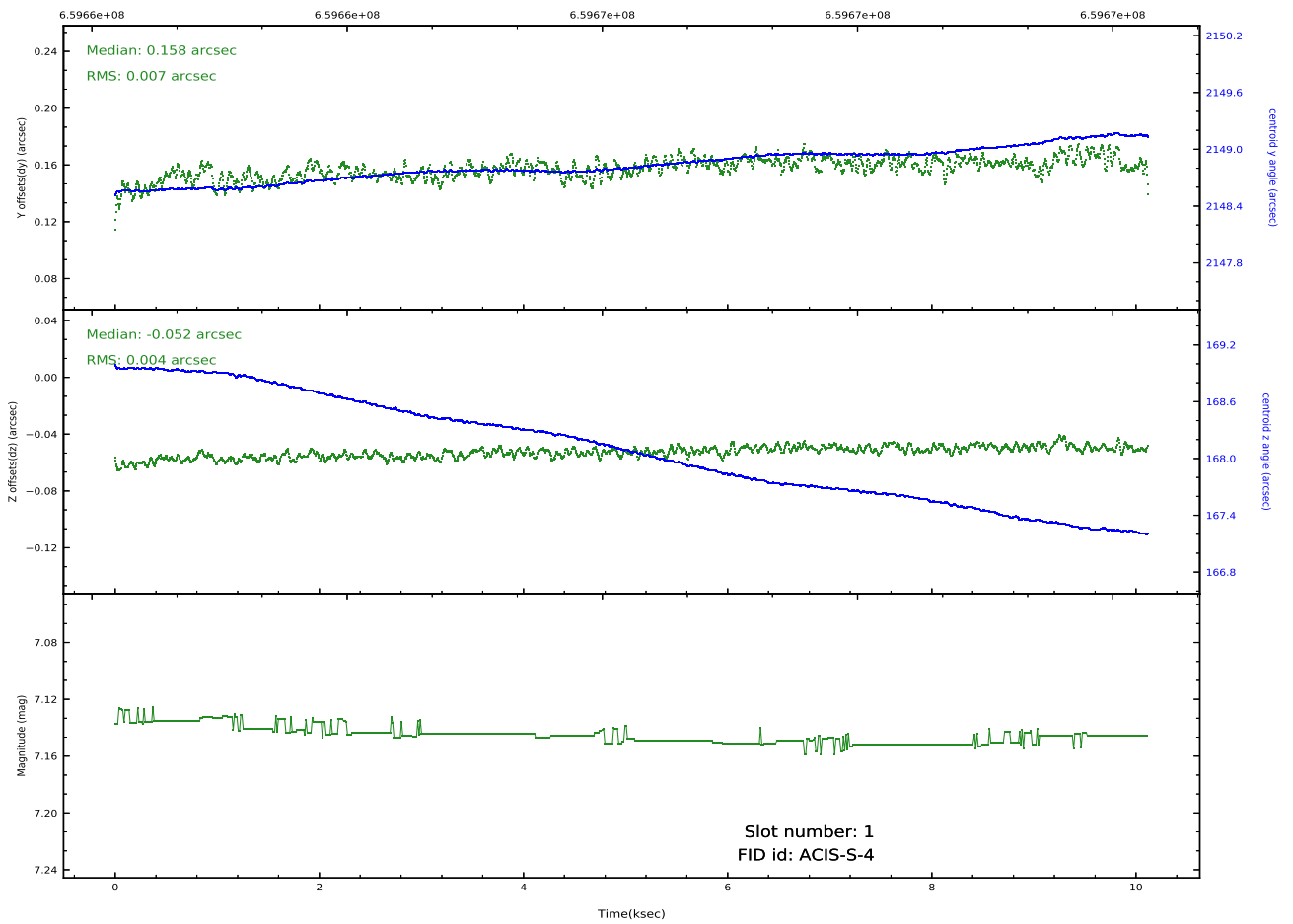
2.5.1 Slot 0



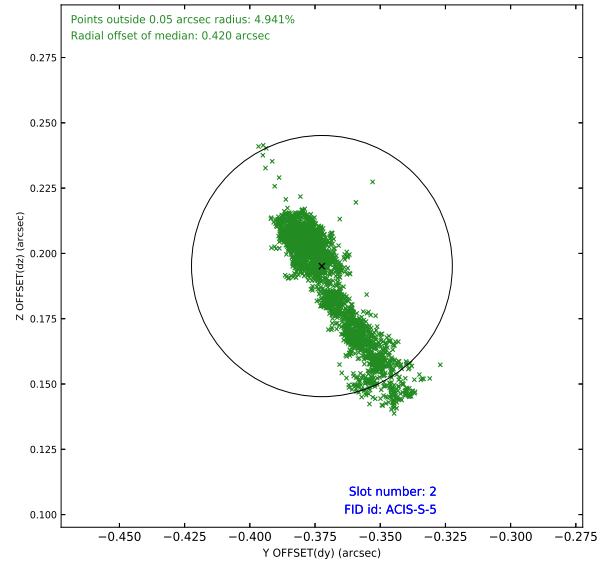
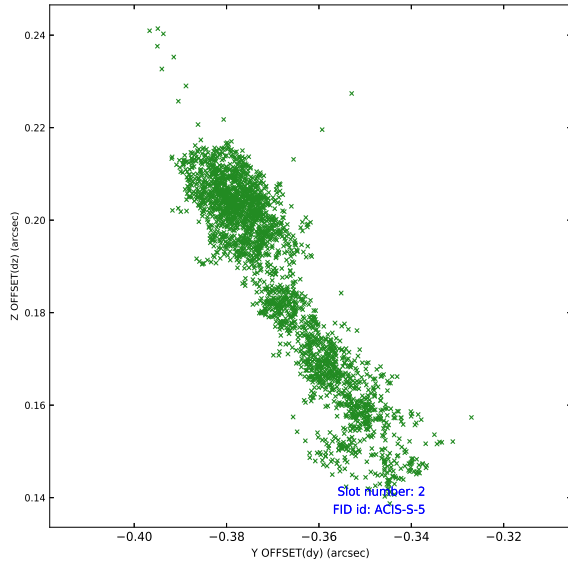
2.5.2 Slot 1



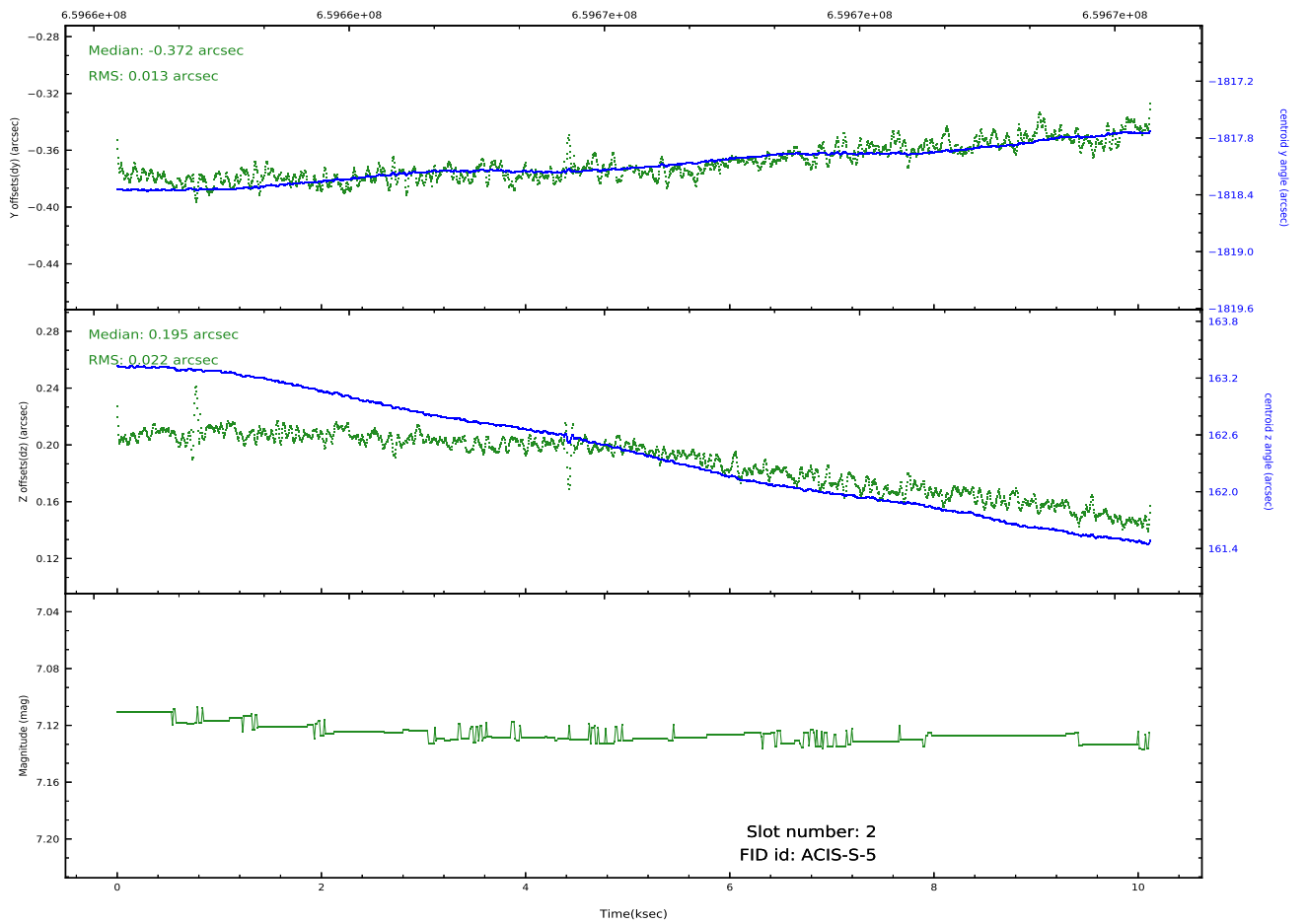
Time (s)



2.5.3 Slot 2



Time (s)



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	10.059999400377

A.2 Comments

Roll preference met.