

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20408 - L2 Version 2
Chandra X-Ray Center

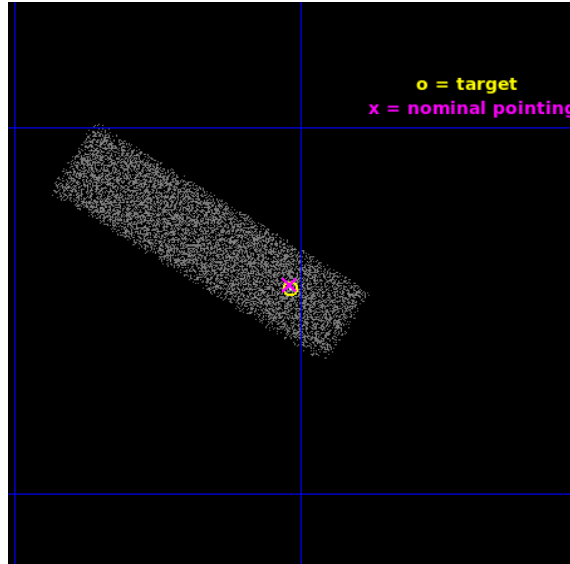
L2 Processing Date : Oct 25 2020

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1 Front

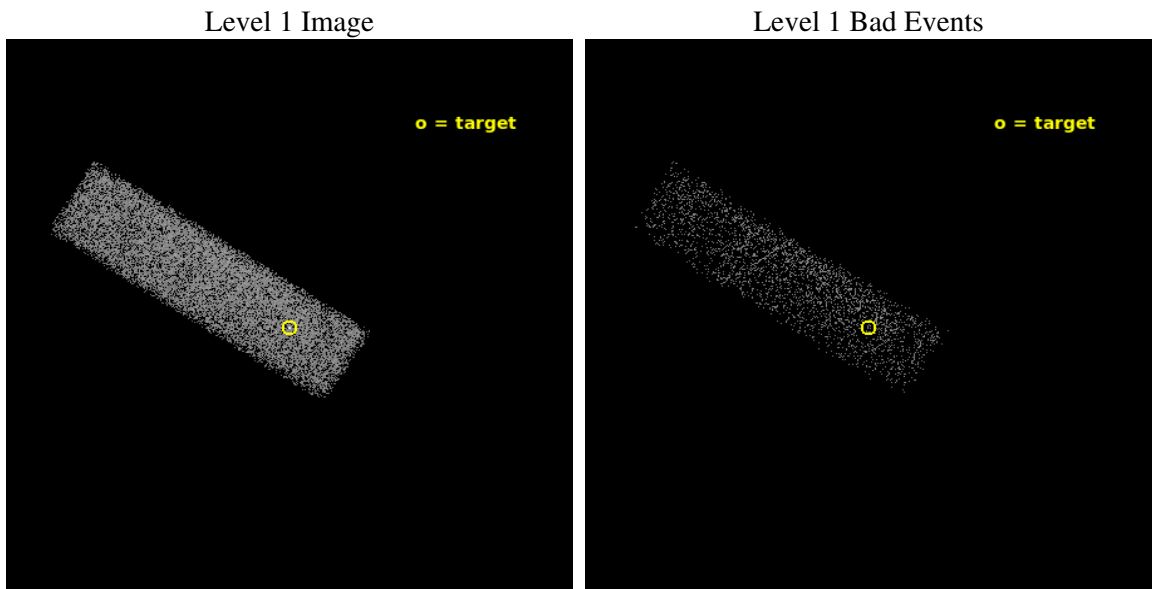
seq_num	703513	Sequence number
obs_id	20408	Observation id
title	A SEARCH FOR BEACONS IN THE EARLY UNIVERSE: A SURVEY OF HIGH REDSHIFT RADIO JETS	Proposal title
observer	Daniel Schwartz	Principal investigator
object	J1405+0415	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	211.254583	Observer's specified target RA [deg]
dec_targ	4.259944	Observer's specified target Dec [deg]
ra_nom	211.25466053342	Nominal RA [deg]
dec_nom	4.2617654946747	Nominal Dec [deg]
roll_nom	212.83418529761	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10060.79940033	Sum of GTIs [s]
liveltime	9569.8653099302	Livetime [s]
ontime7	10060.79940033	Sum of GTIs [s]
l2events	11576	Number of level 2 events



2 OBI

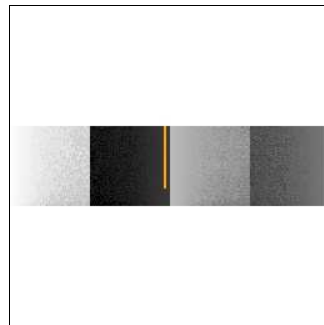
2.1 OBI

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	10060.79940033	Sum of GTIs [s]
caldbver	4.9.3	 	ontime7	10060.79940033	Sum of GTIs [s]
date	2020-10-25T21:35:42	Date and time of file creation	l1events	24409	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

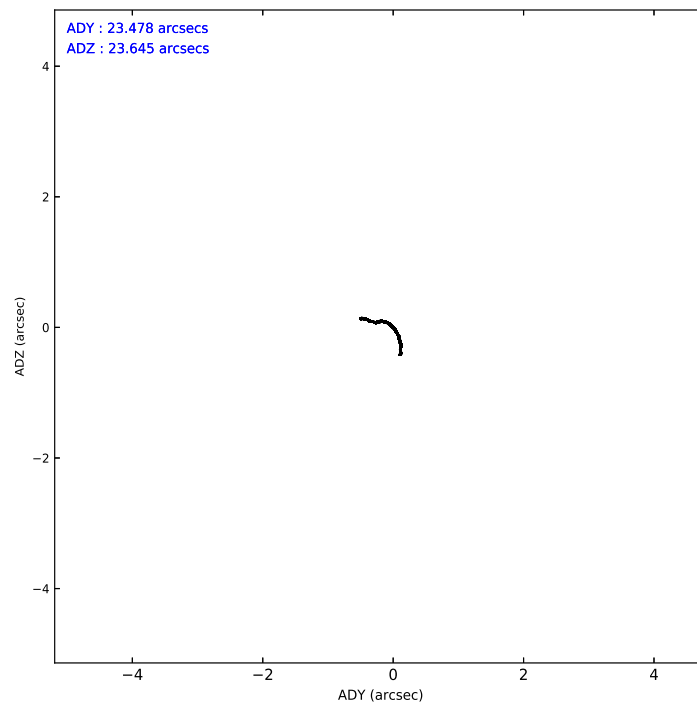
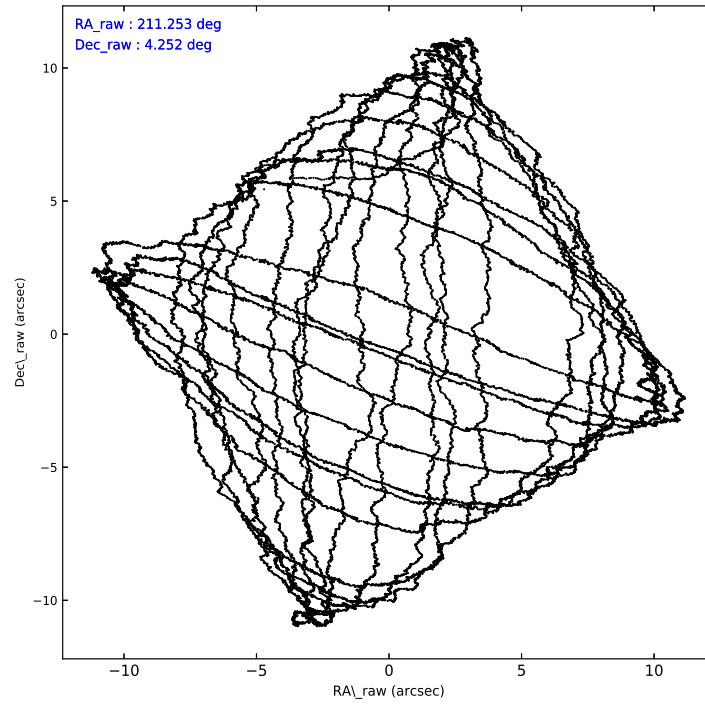
	ccd 7
level 1 events	24409
rejected events	12438
rejected %	50%

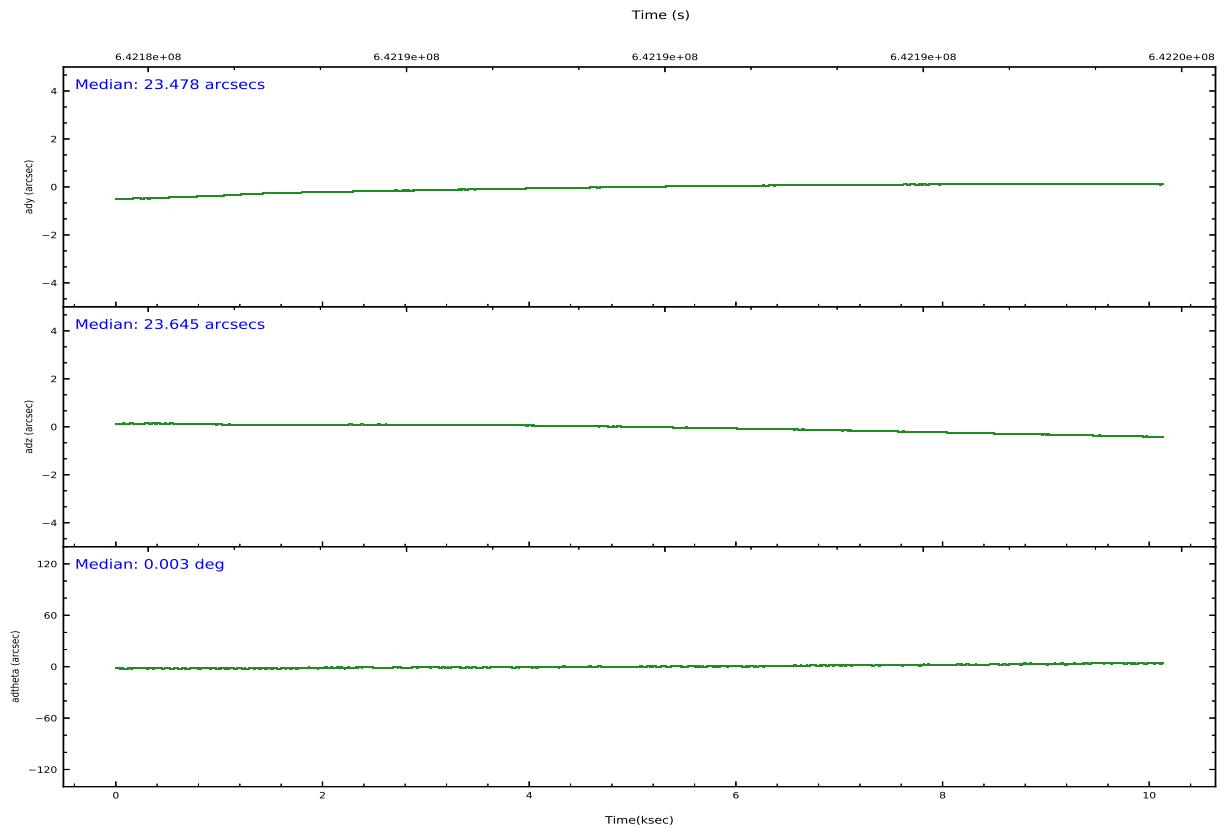
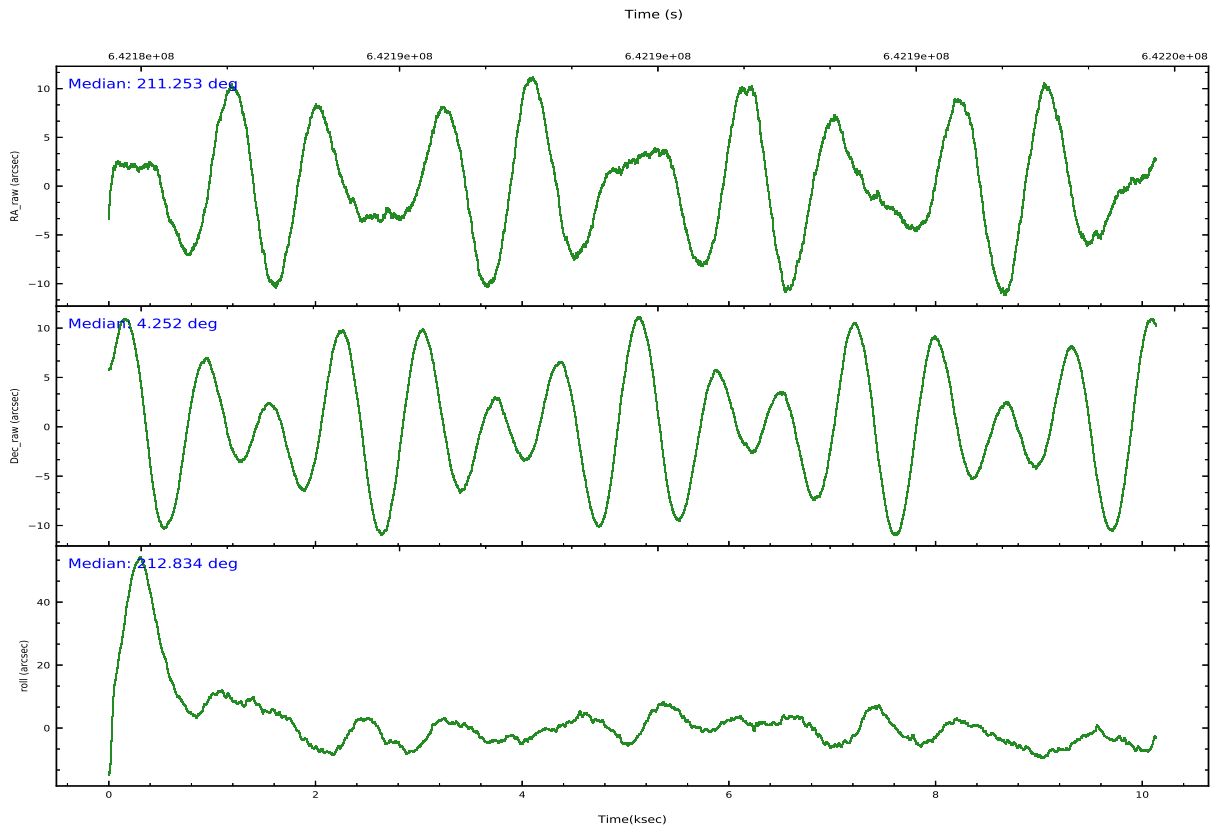
	ccd 7
grade 0 events	1186
	4%
grade 1 events	38
	0%
grade 2 events	2511
	10%
grade 3 events	1297
	5%
grade 4 events	1271
	5%
grade 5 events	2498
	10%
grade 6 events	5706
	23%
grade 7 events	9902
	40%

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	211.264861	211.25466053342	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	4.276962	4.2617654946747	Subarray start row	385	385
[deg] Pointing Roll	212.686266	212.83418529761	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	642184821.184000	642183711.0898401			
Observation start date	2018-05-08T16:39:12	2018-05-08T16:21:51			
[s] Observation end time (MET)	642194821.184000	642195621.5905499			
Observation end date	2018-05-08T19:25:52	2018-05-08T19:40:21			
Read mode	TIMED	TIMED			

2.3 Aspect



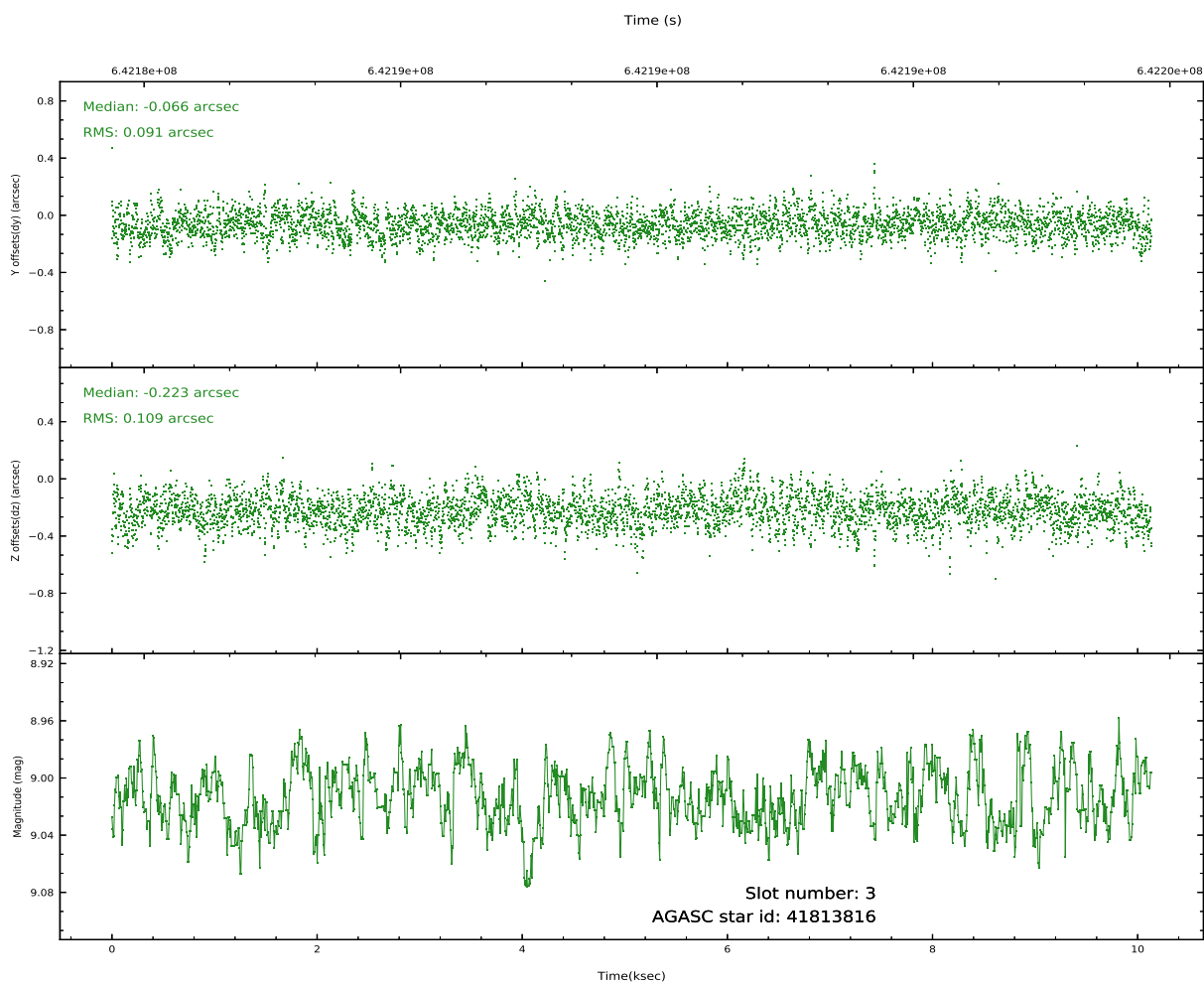
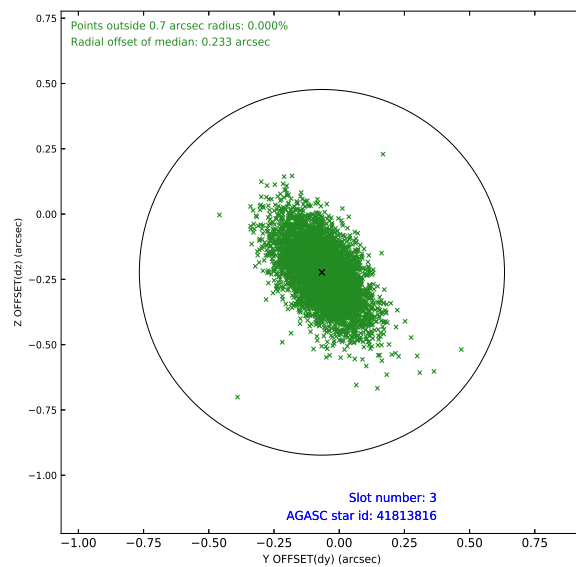
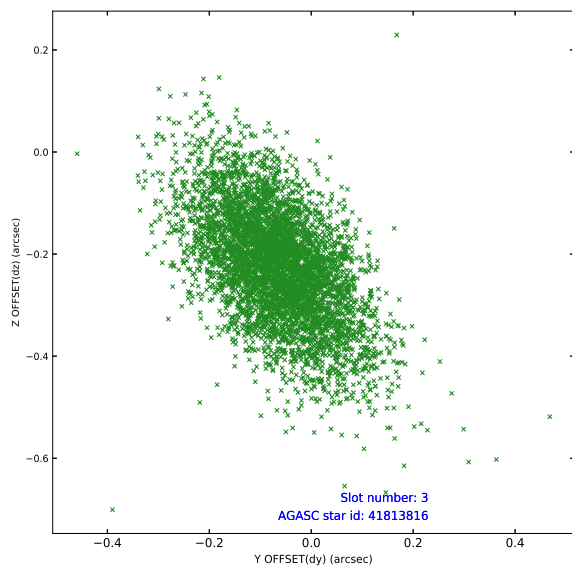


Slot Statistics

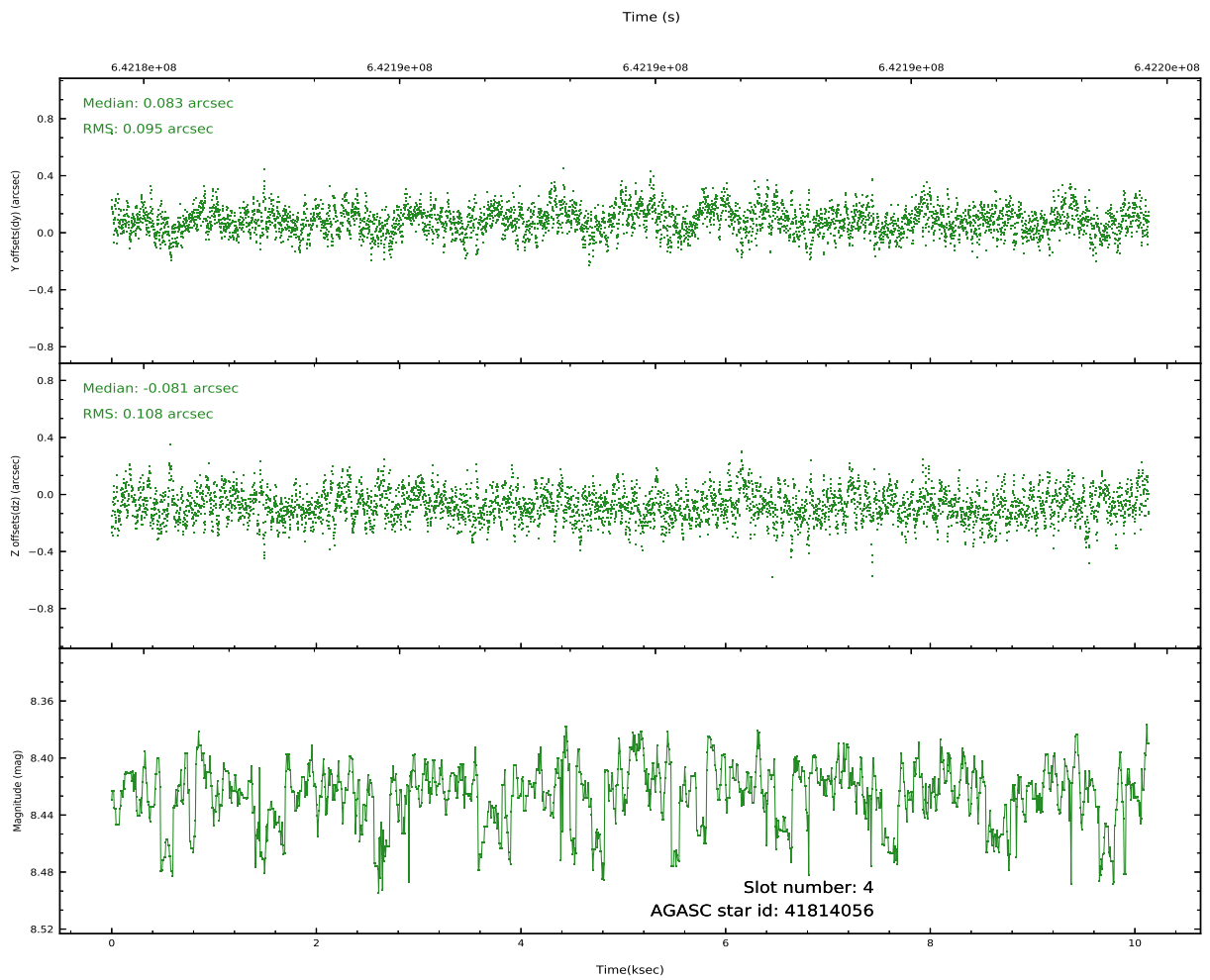
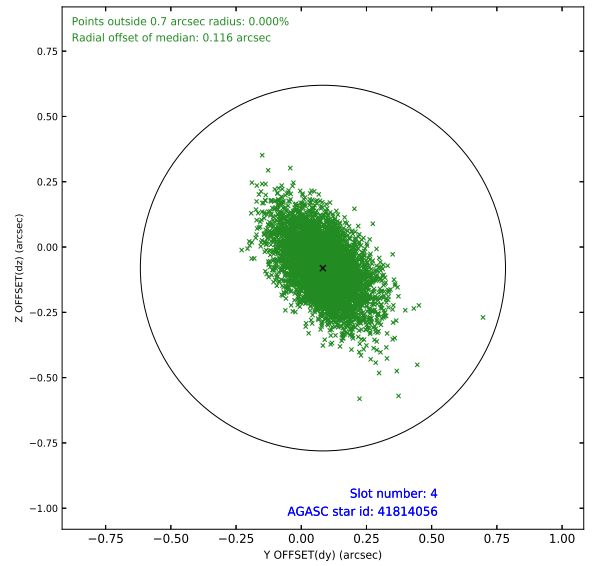
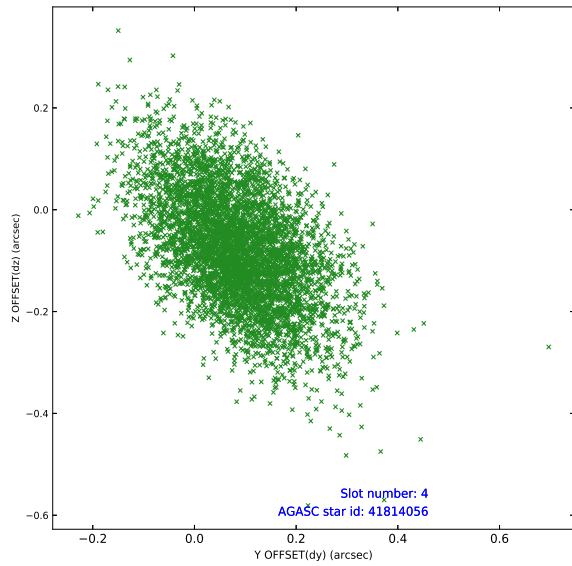
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.11	2472	1.000	0.304	-0.066	0.010	0.018	0.000000	0.000000	919.44	-1740
1	FID		ACIS-S-4	7.13	2472	1.000	0.033	-0.096	0.013	0.021	0.000000	0.000000	2137.15	162
2	FID		ACIS-S-5	7.14	2472	1.000	-0.365	0.174	0.010	0.022	0.000000	0.000000	-1829.14	157
3	GUIDE	used	41813816	9.01	4938	1.000	-0.066	-0.223	0.144	0.258	211.107055	4.057858	903.00	358
4	GUIDE	used	41814056	8.42	4942	1.000	0.083	-0.081	0.150	0.258	210.814608	4.224953	1464.35	-714
5	GUIDE	used	41815056	9.25	4938	1.000	-0.125	0.149	0.173	0.330	211.188822	4.253333	276.44	-75
6	GUIDE	used	41819224	8.54	4942	1.000	0.114	0.082	0.148	0.261	211.180027	4.779389	-721.08	-1689
7	GUIDE	used	41821568	8.82	4939	1.000	-0.010	0.069	0.158	0.284	211.041312	4.178274	868.21	-134

2.4 Star Slots

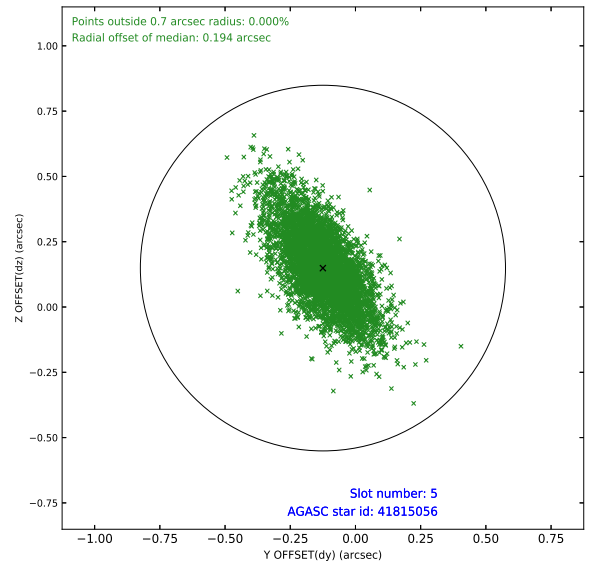
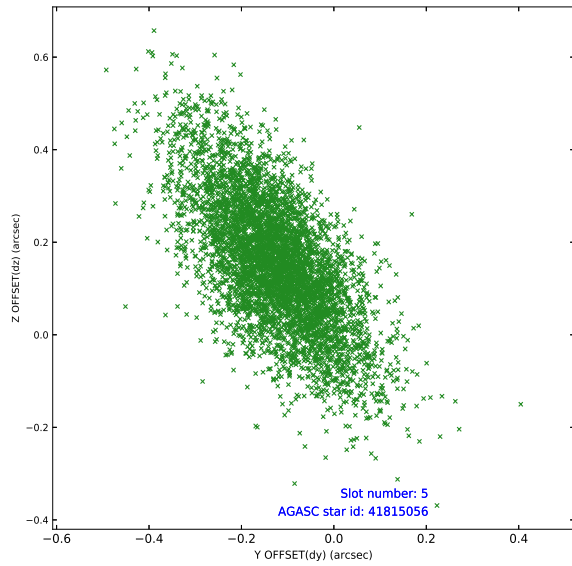
2.4.1 Slot 3



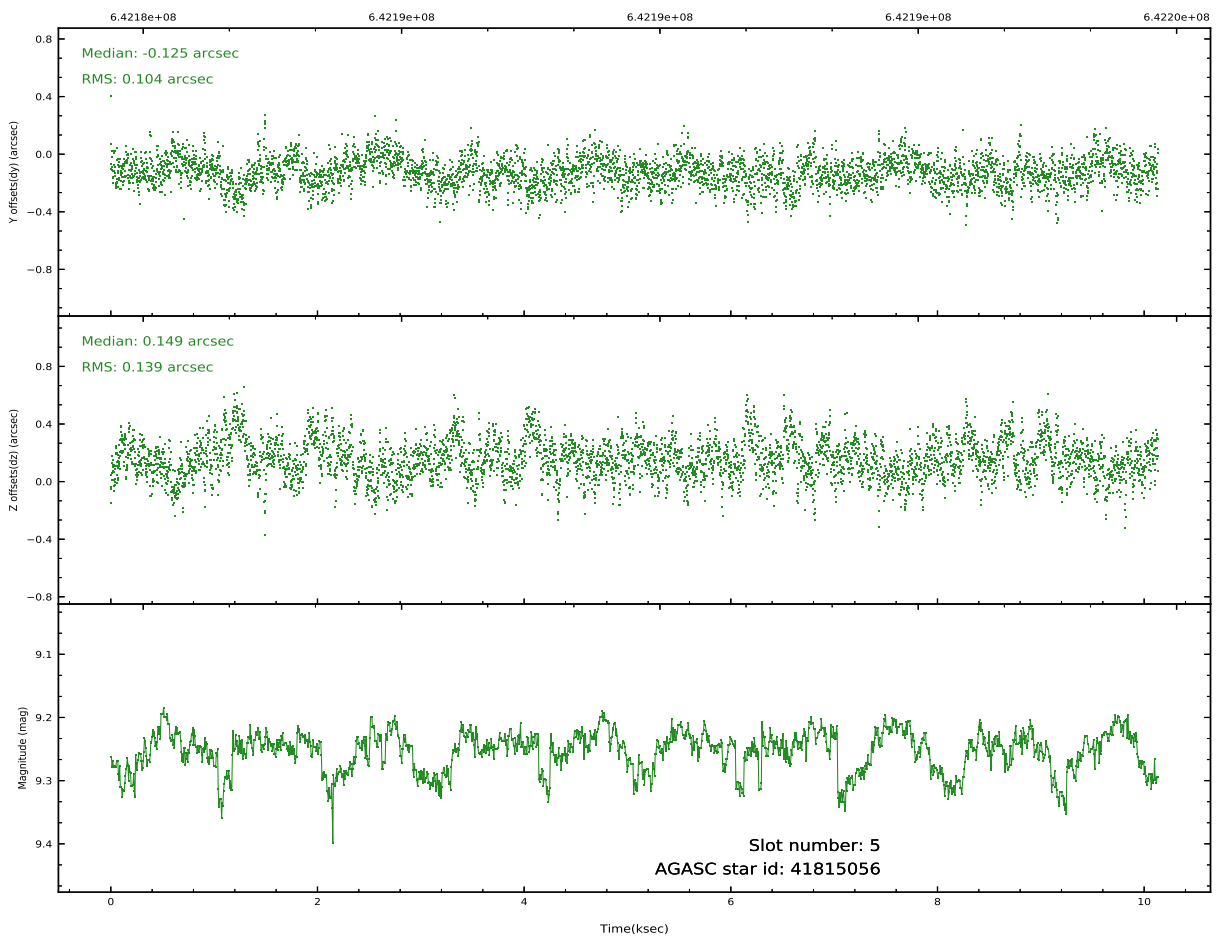
2.4.2 Slot 4



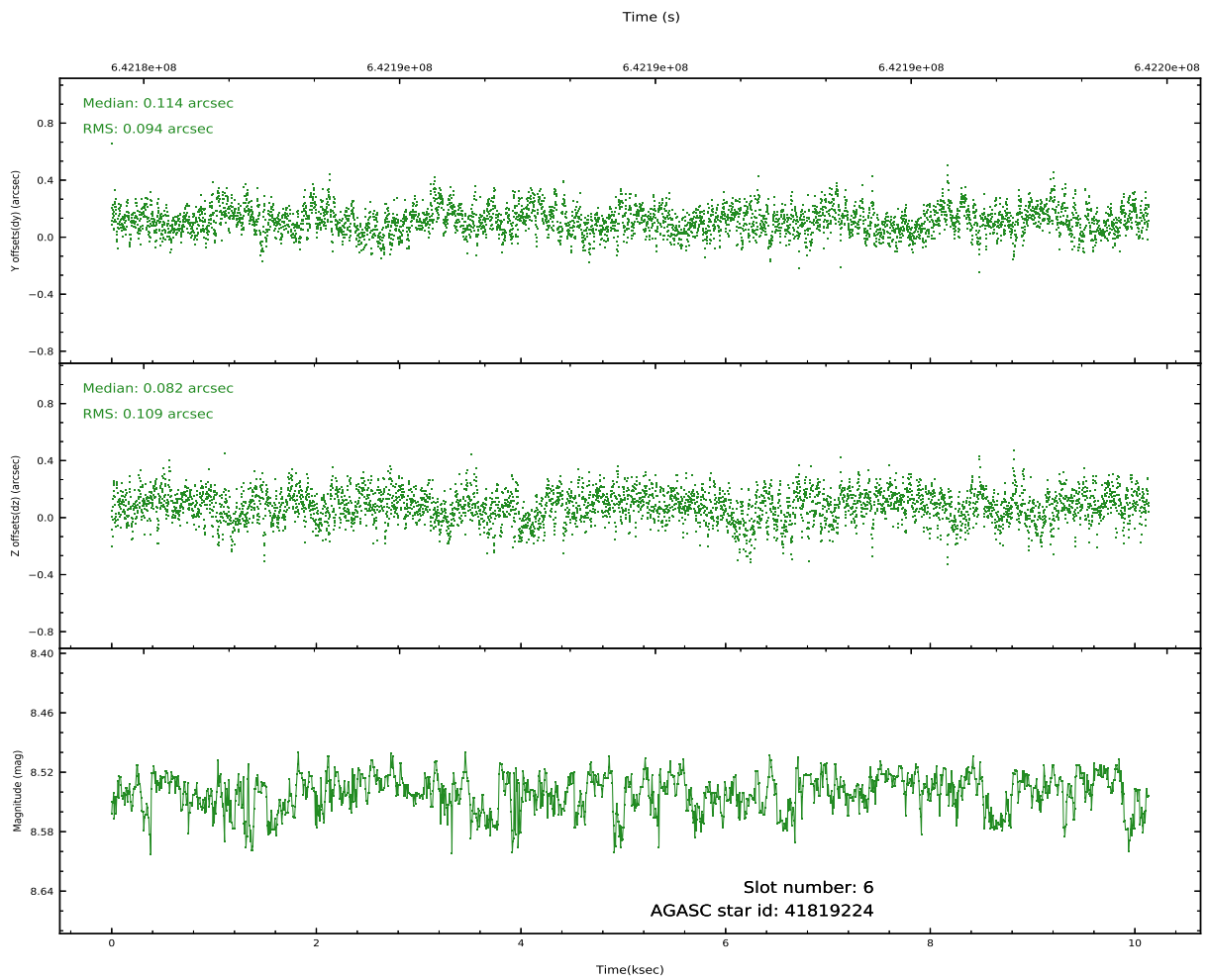
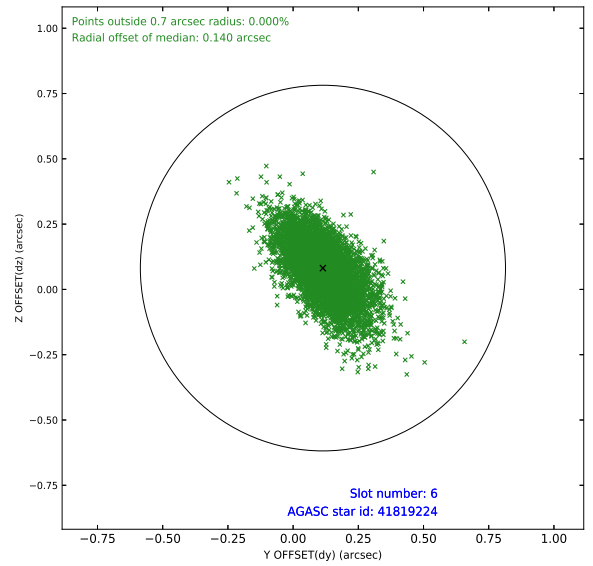
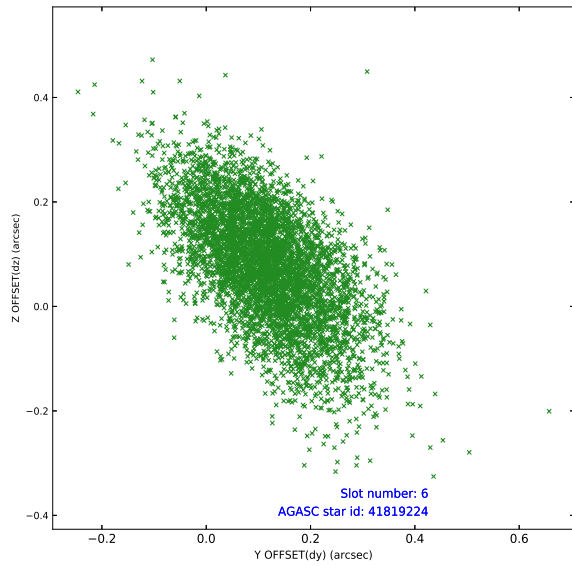
2.4.3 Slot 5



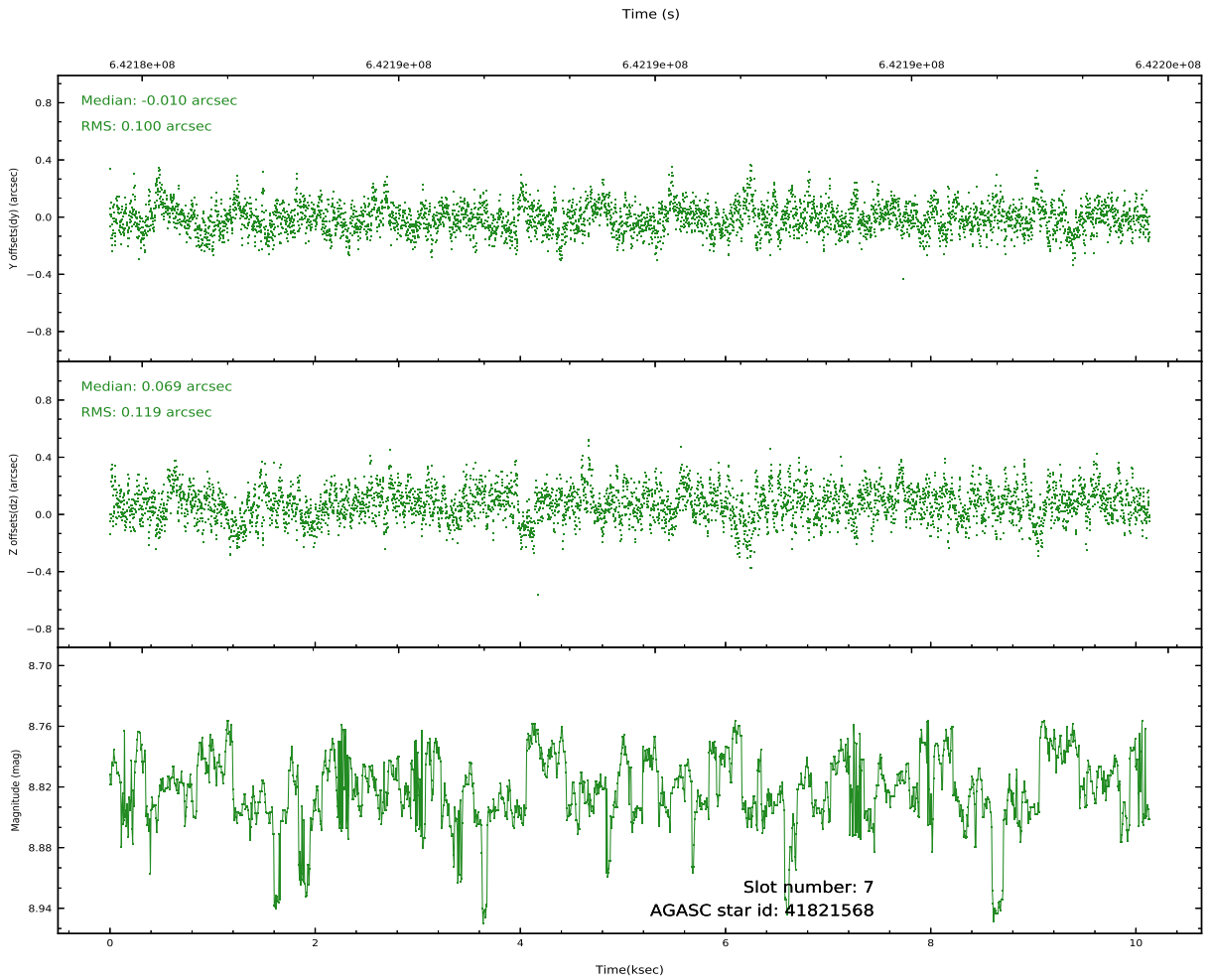
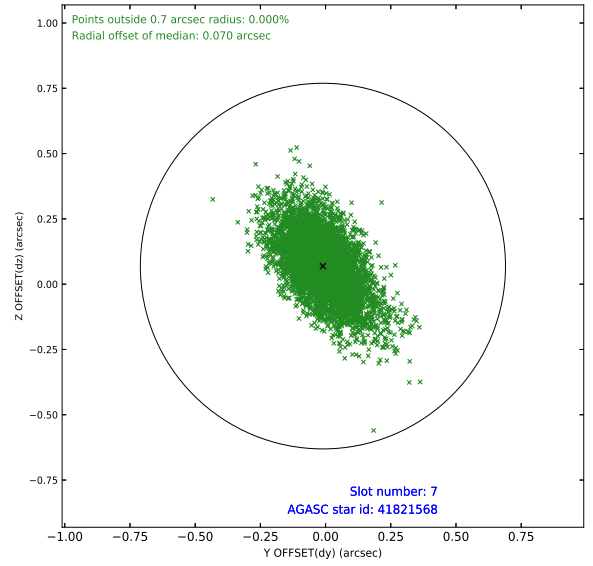
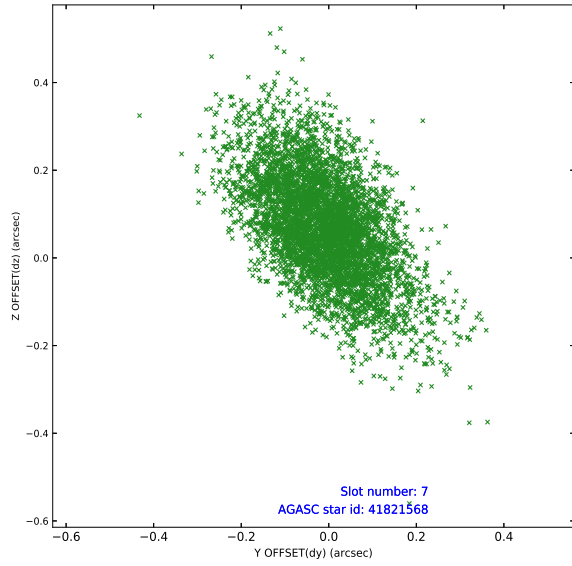
Time (s)



2.4.4 Slot 6

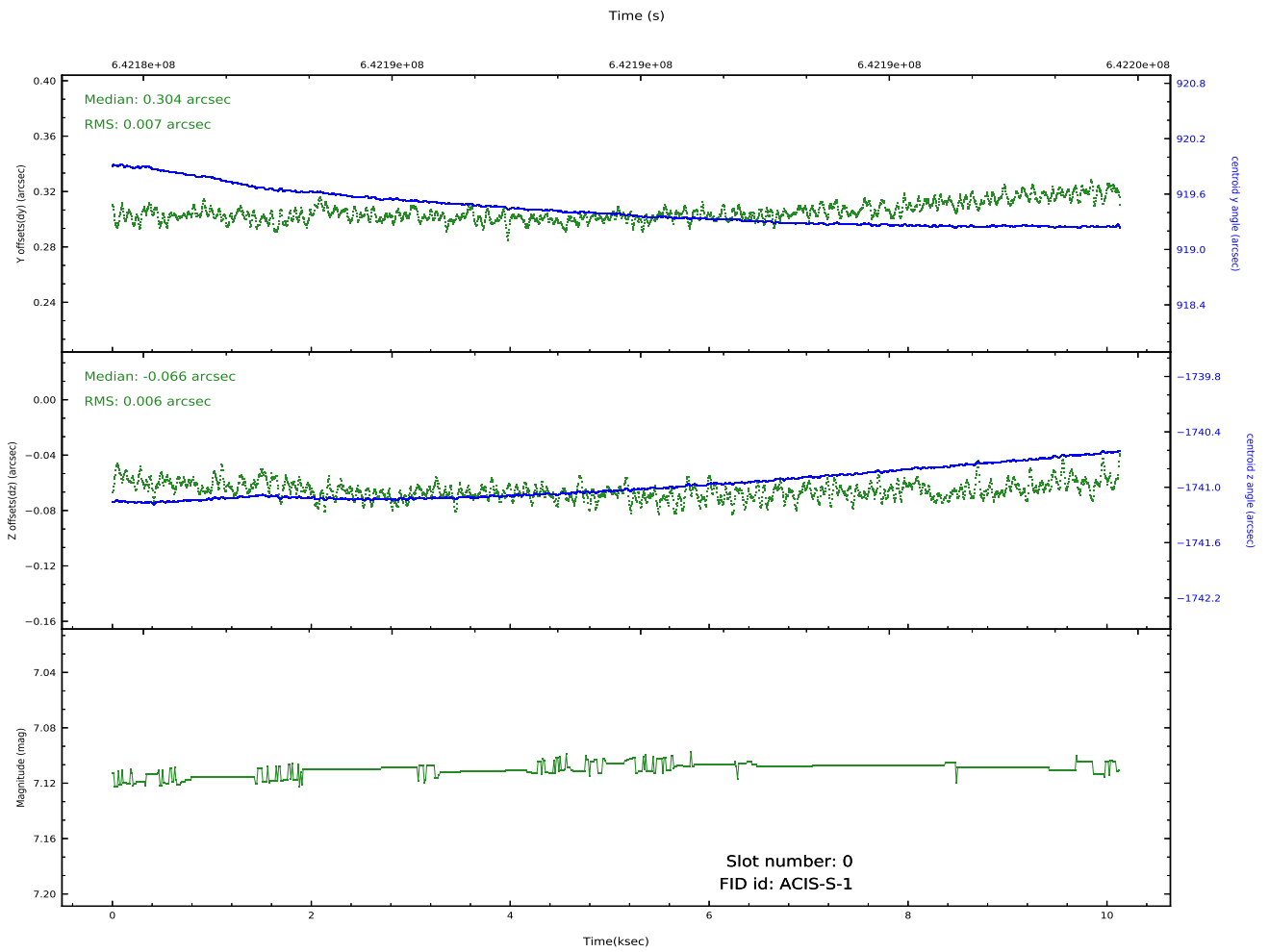
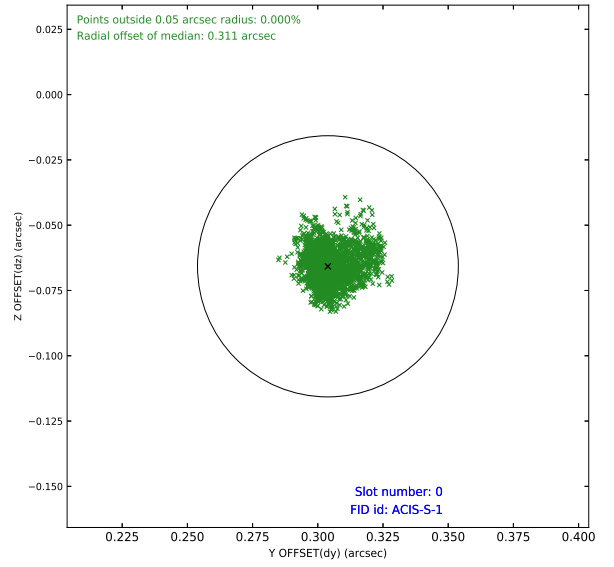
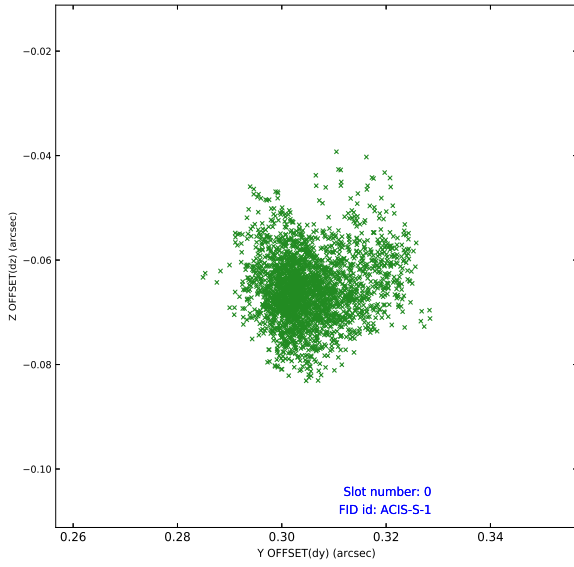


2.4.5 Slot 7

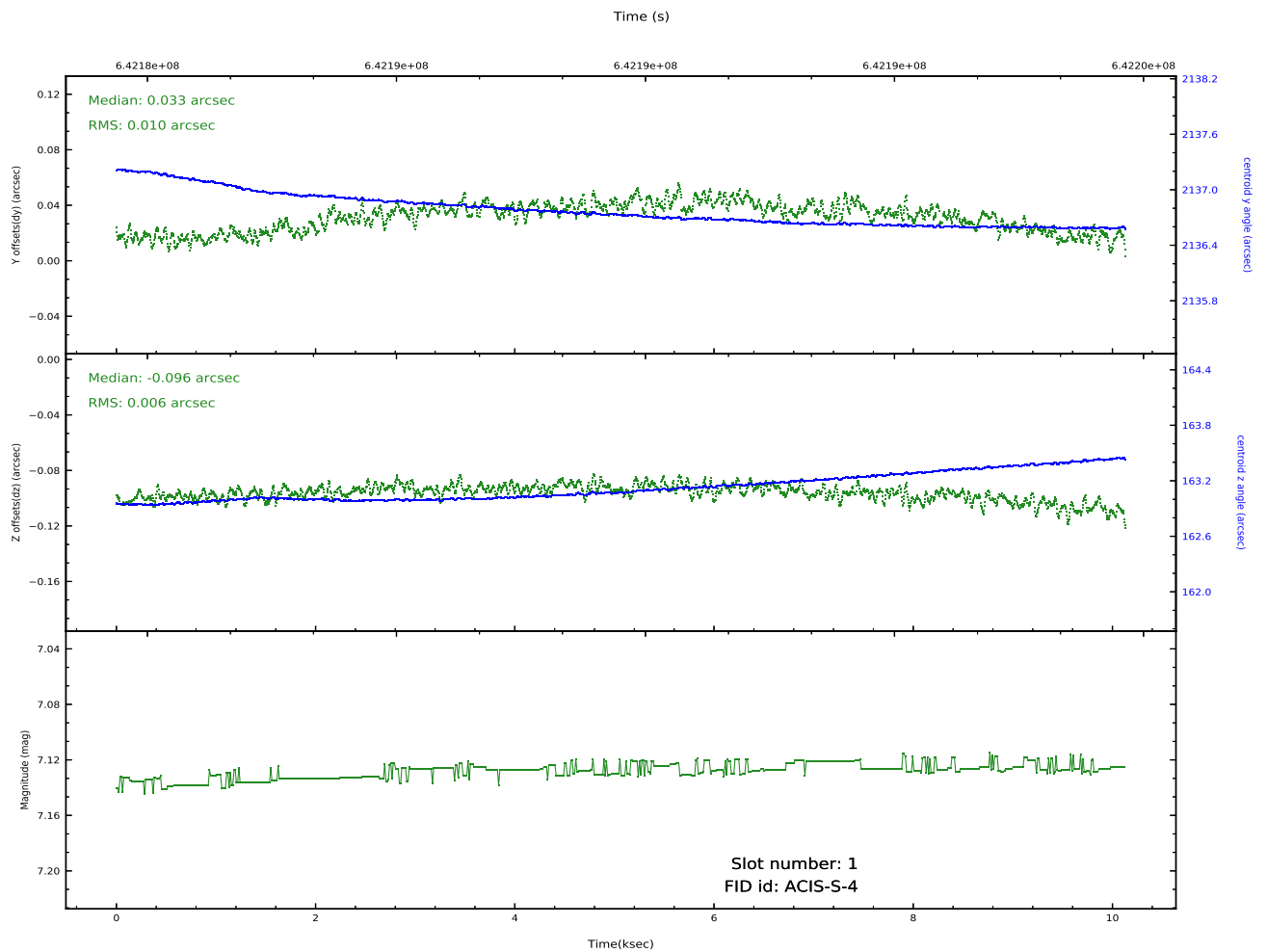
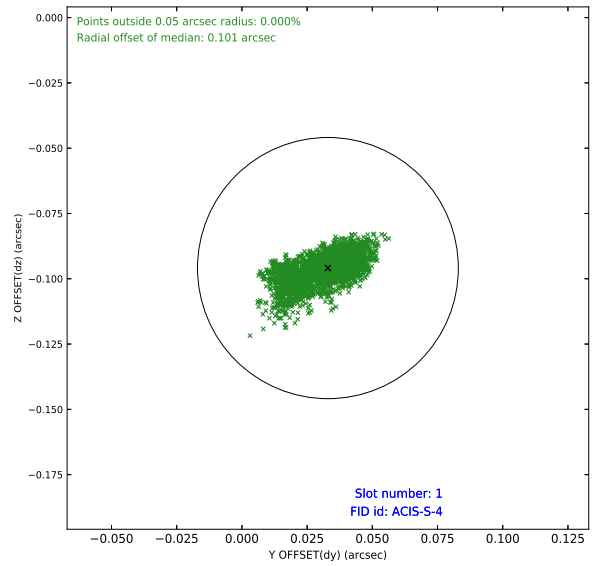
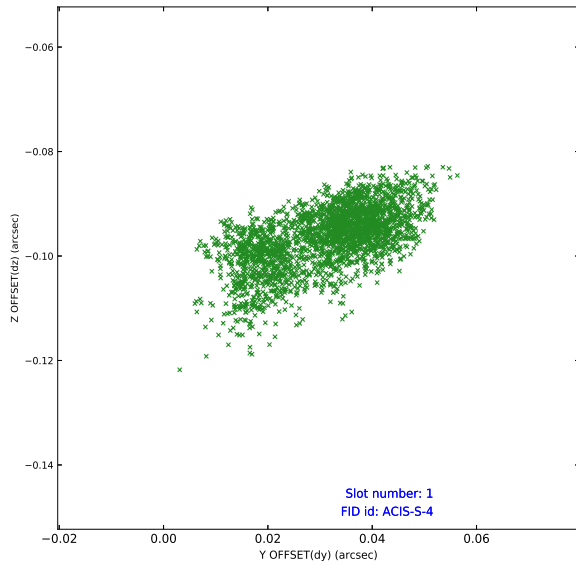


2.5 FID Slots

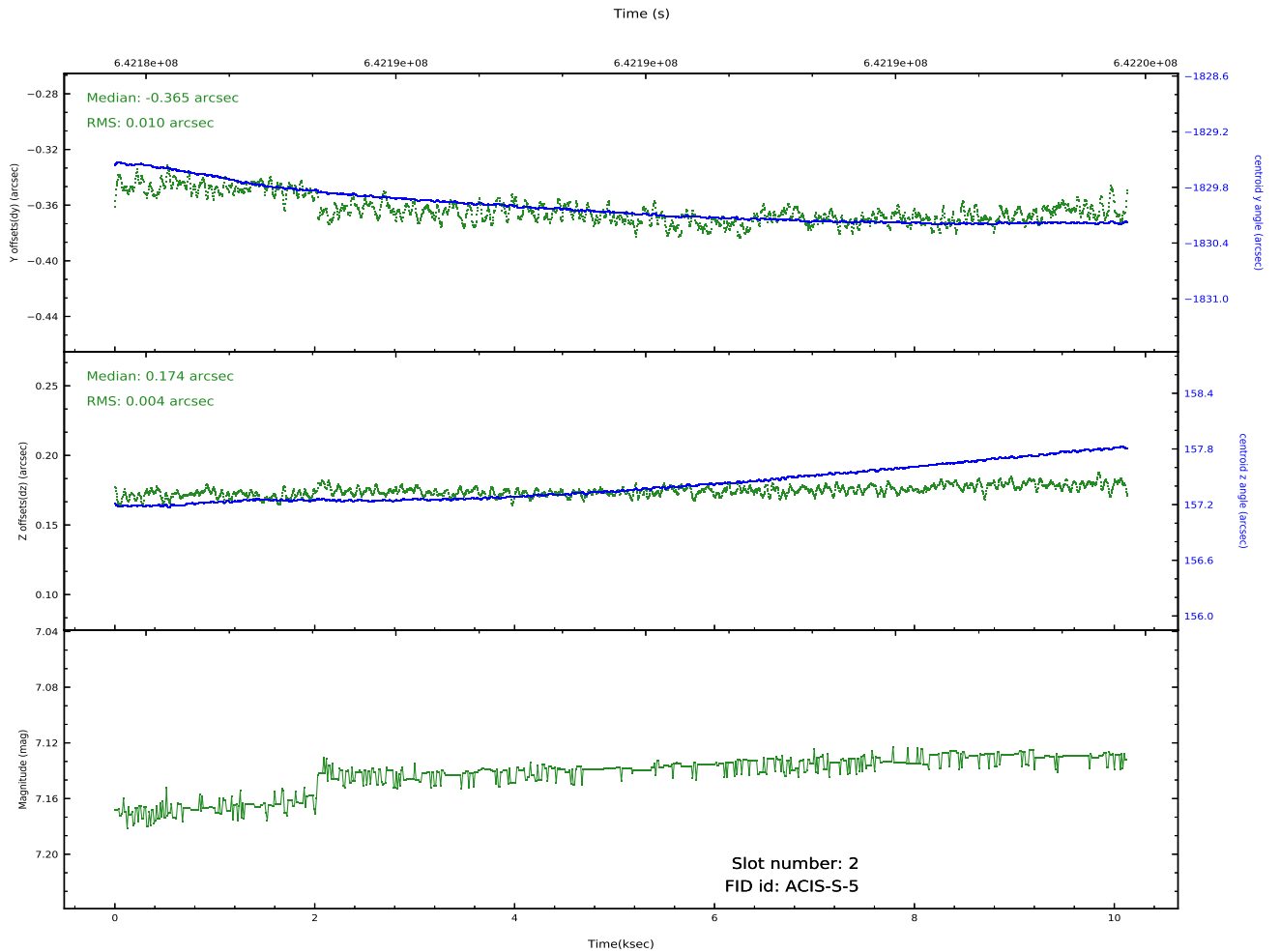
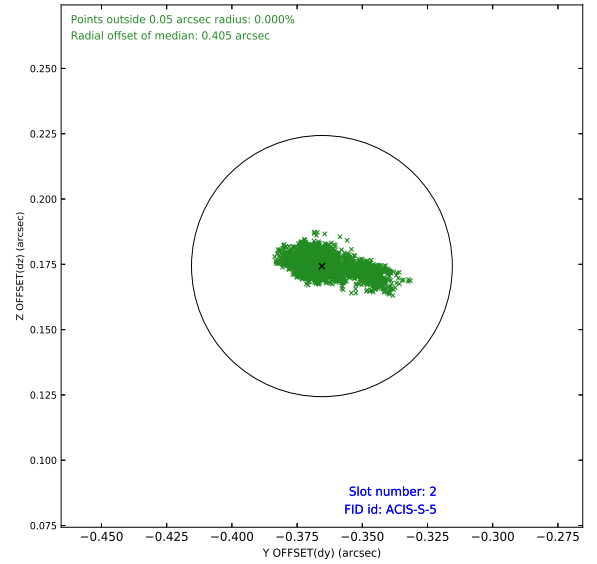
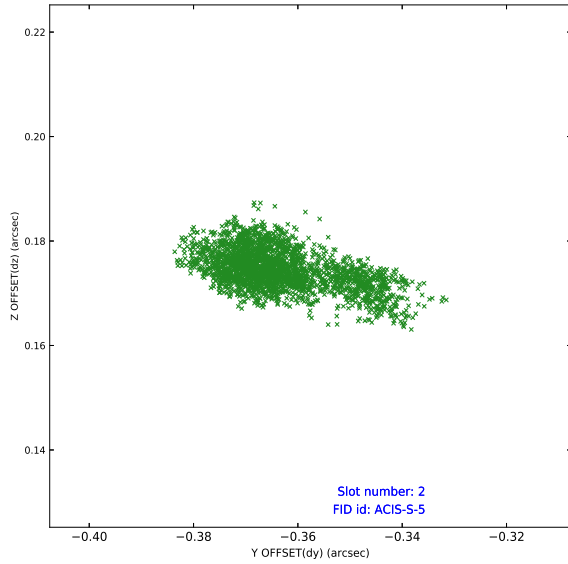
2.5.1 Slot 0



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)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.06079940033

A.2 Comments