

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20406 - L2 Version 2
Chandra X-Ray Center

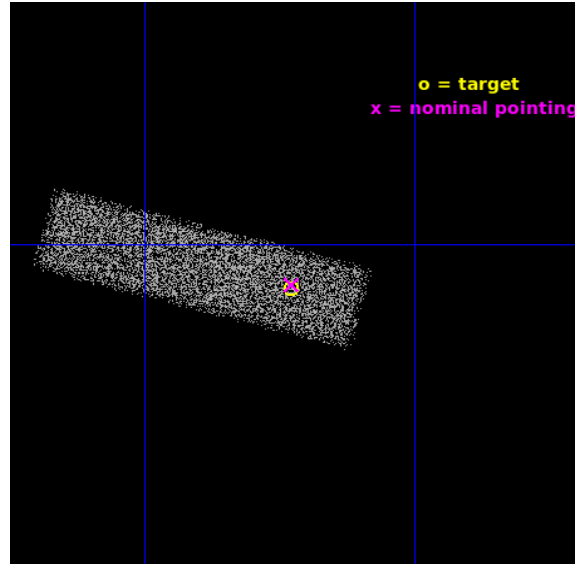
L2 Processing Date : Oct 26 2020

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1 Front

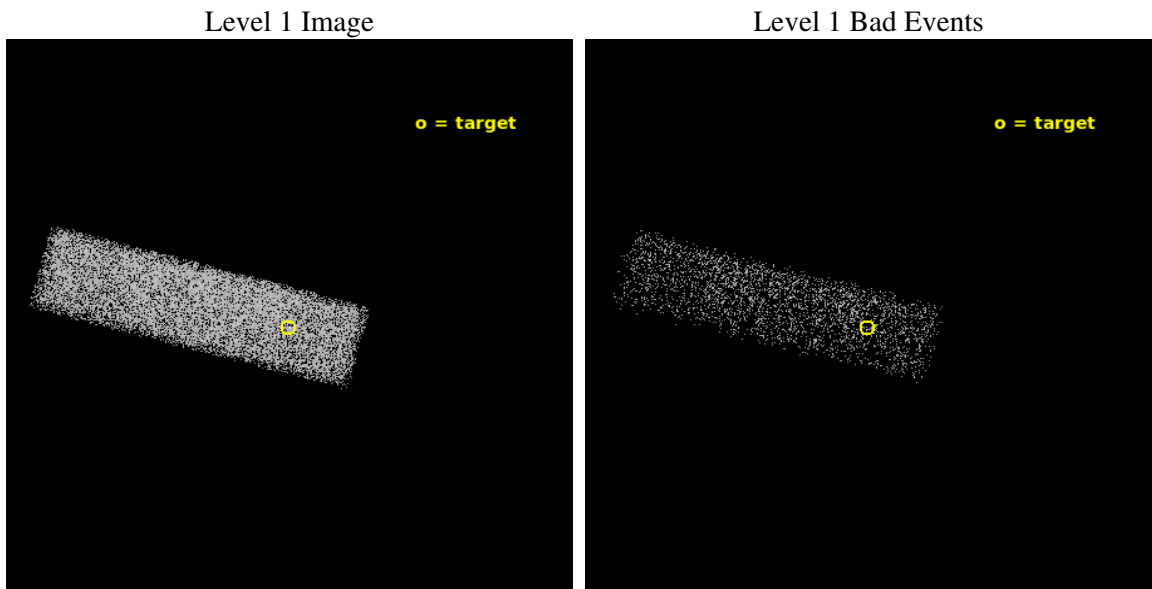
seq_num	703511	Sequence number
obs_id	20406	Observation id
title	A SEARCH FOR BEACONS IN THE EARLY UNIVERSE: A SURVEY OF HIGH REDSHIFT RADIO JETS	Proposal title
observer	Daniel Schwartz	Principal investigator
object	J1655+1948	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	253.931667	Observer's specified target RA [deg]
dec_targ	19.813083	Observer's specified target Dec [deg]
ra_nom	253.9316687518	Nominal RA [deg]
dec_nom	19.81485306211	Nominal Dec [deg]
roll_nom	194.98050233513	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10060.50656271	Sum of GTIs [s]
livetime	9569.5867618281	Livetime [s]
ontime7	10060.50656271	Sum of GTIs [s]
l2events	11879	Number of level 2 events



2 OBI

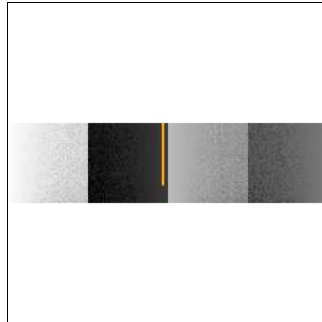
2.1 OBI

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	10060.50656271	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	10060.50656271	Sum of GTIs [s]
date	2020-10-26T08:59:09	Date and time of file creation	l1events	25303	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

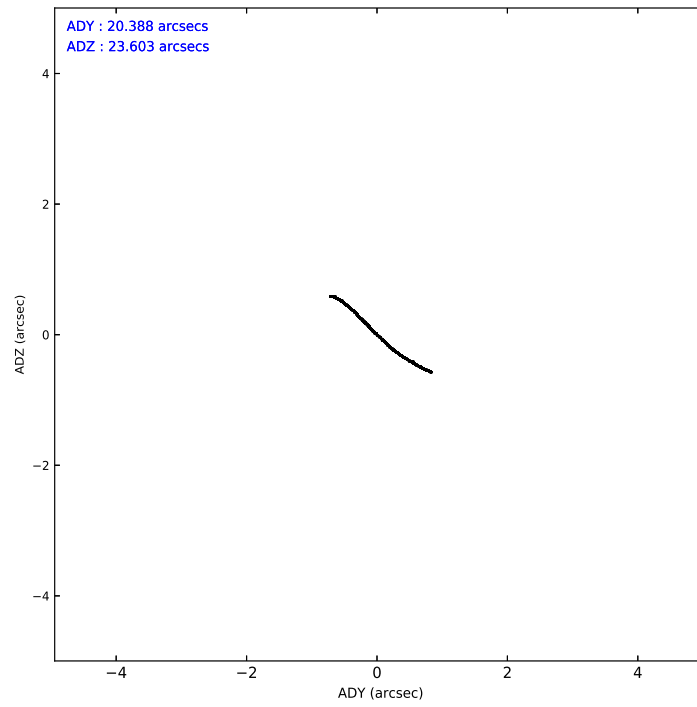
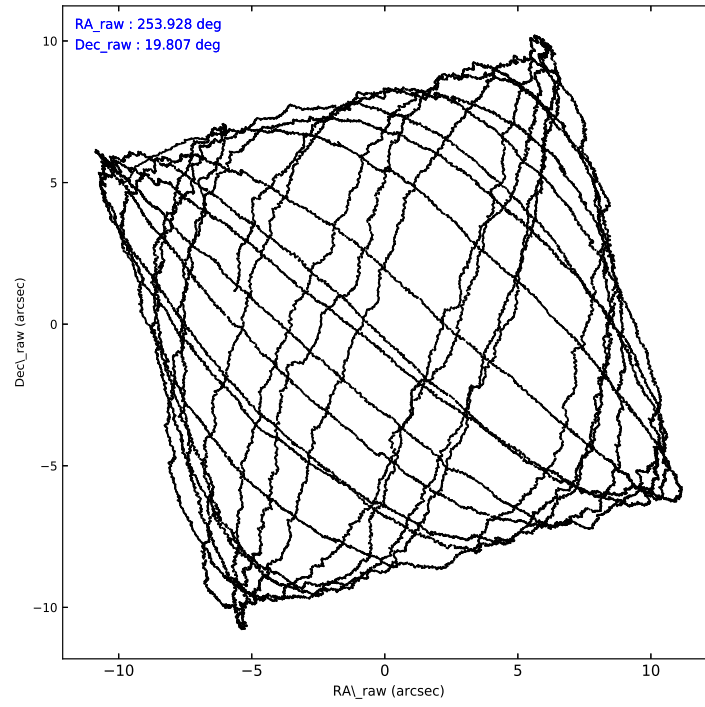
	ccd 7
level 1 events	25303
rejected events	13038
rejected %	51%

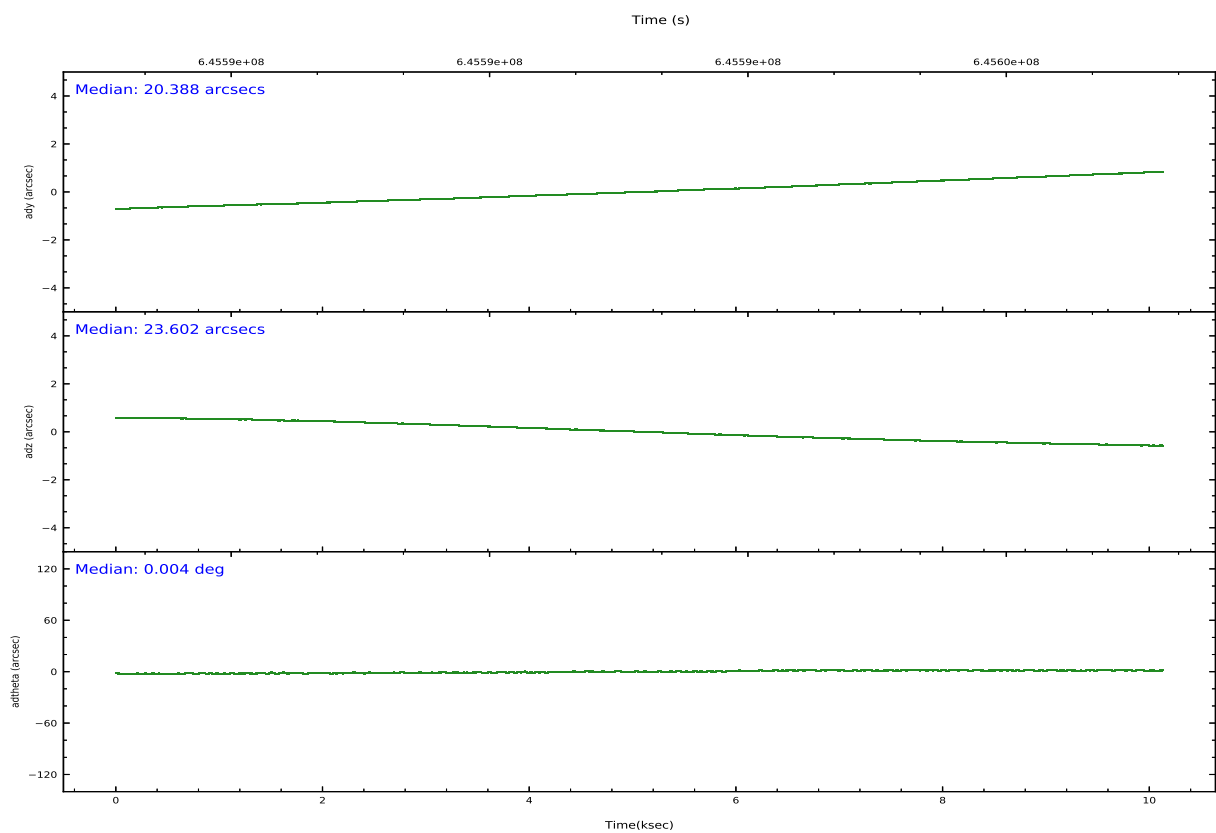
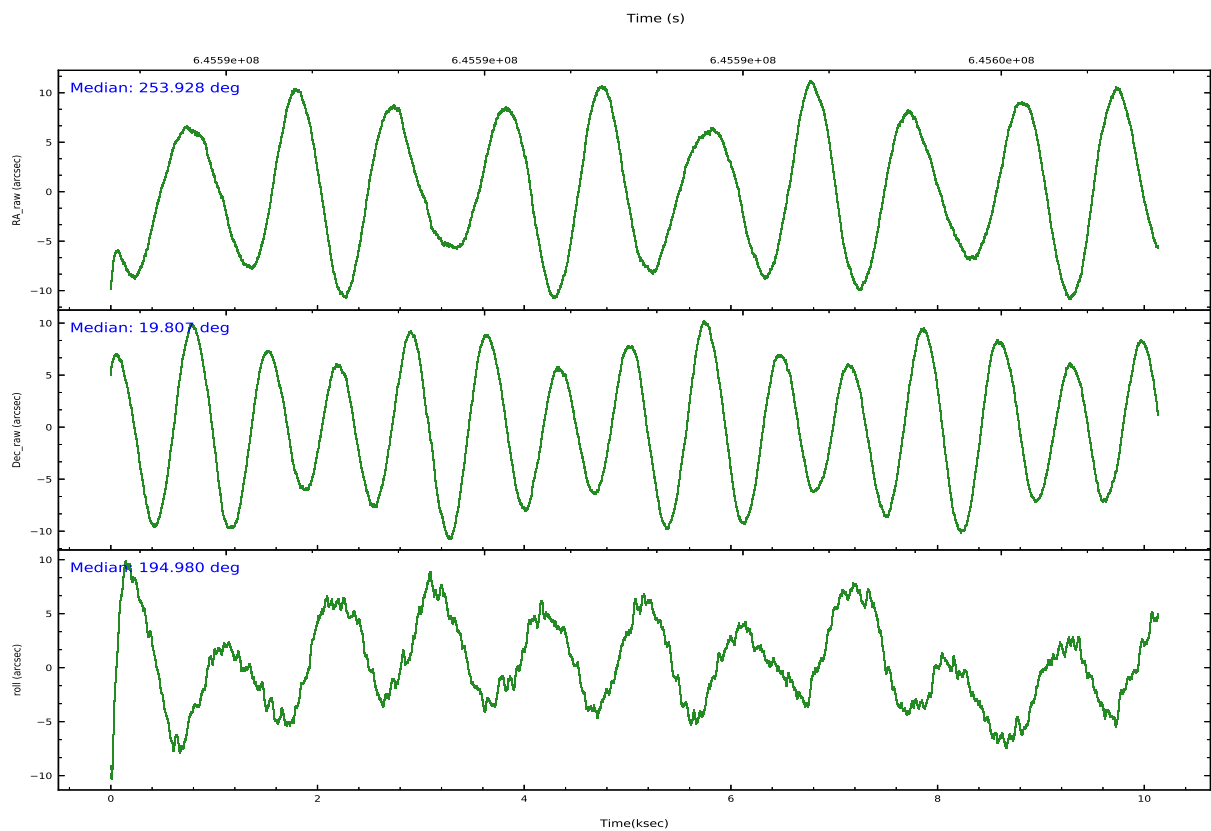
	ccd 7
grade 0 events	1257
	4%
grade 1 events	43
	0%
grade 2 events	2556
	10%
grade 3 events	1338
	5%
grade 4 events	1313
	5%
grade 5 events	2681
	10%
grade 6 events	5805
	22%
grade 7 events	10310
	40%

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	253.947887	253.9316687518	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	19.826377	19.81485306211	Subarray start row	385	385
[deg] Pointing Roll	194.826179	194.98050233513	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)	645586517.184000	645585422.86599			
Observation start date	2018-06-17T01:34:08	2018-06-17T01:17:02			
[s] Observation end time (MET)	645596517.184000	645597749.51671			
Observation end date	2018-06-17T04:20:48	2018-06-17T04:42:29			
Read mode	TIMED	TIMED			

2.3 Aspect



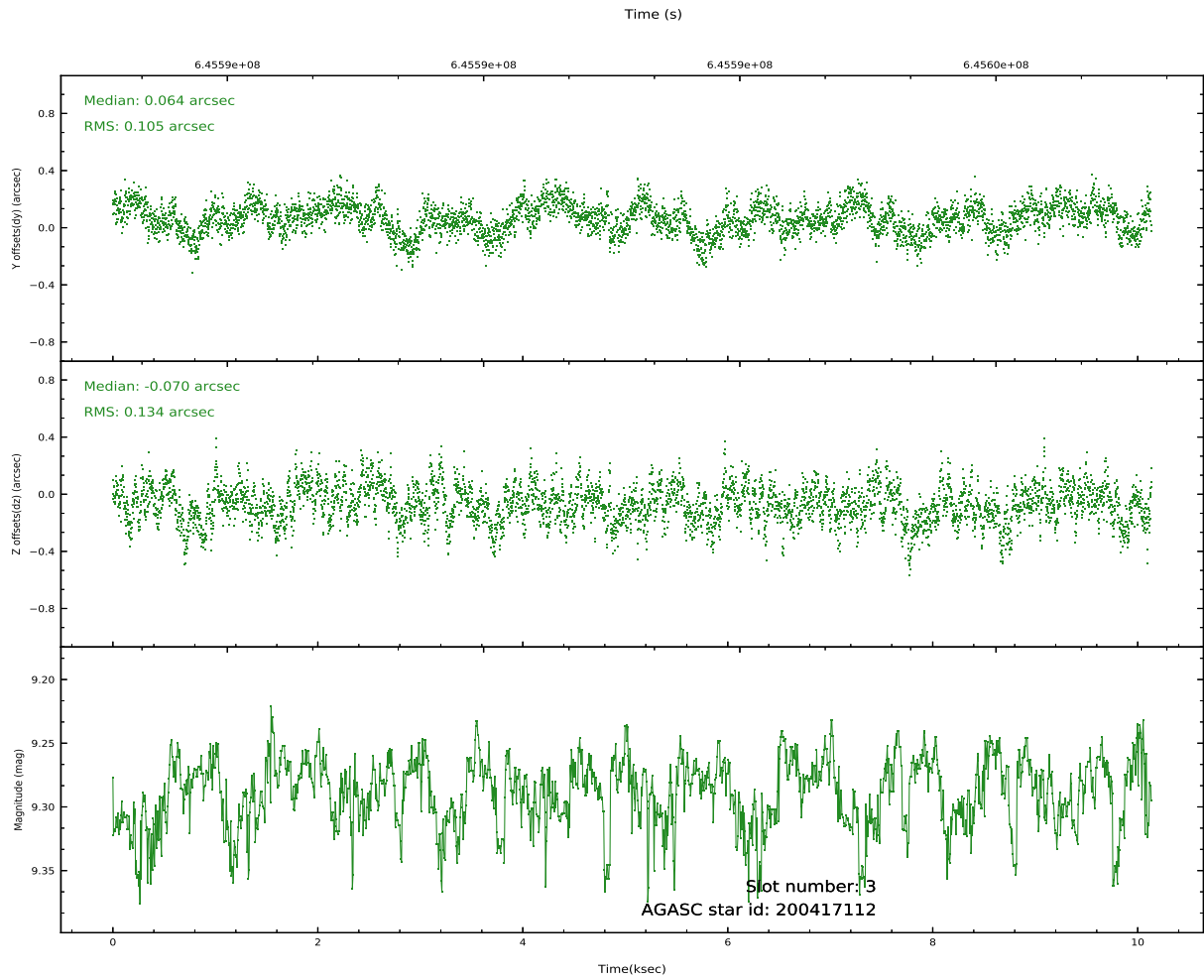
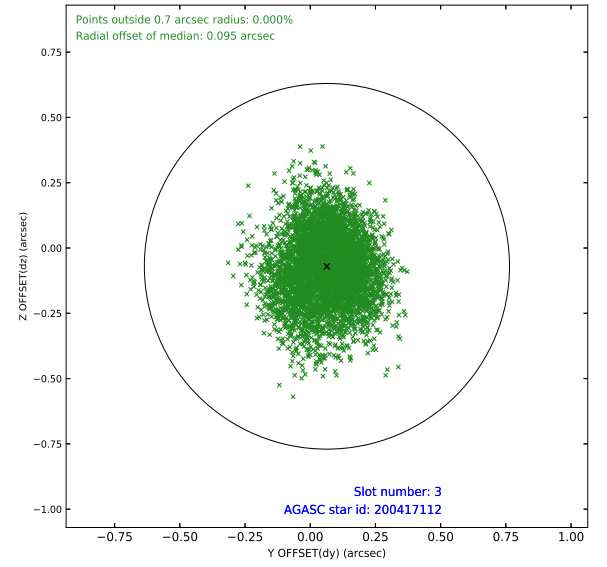
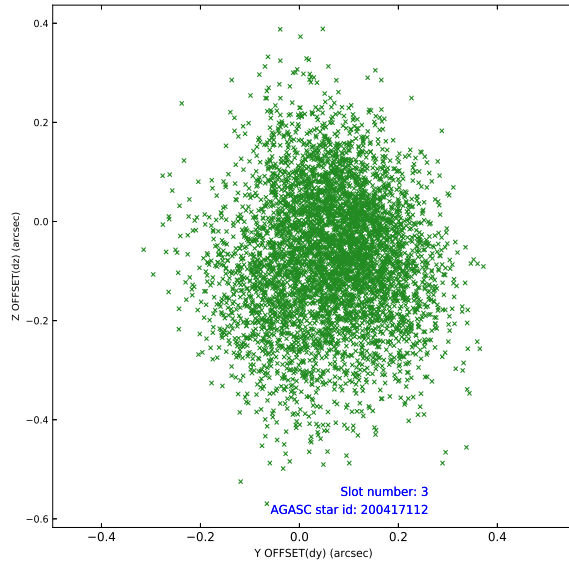


Slot Statistics

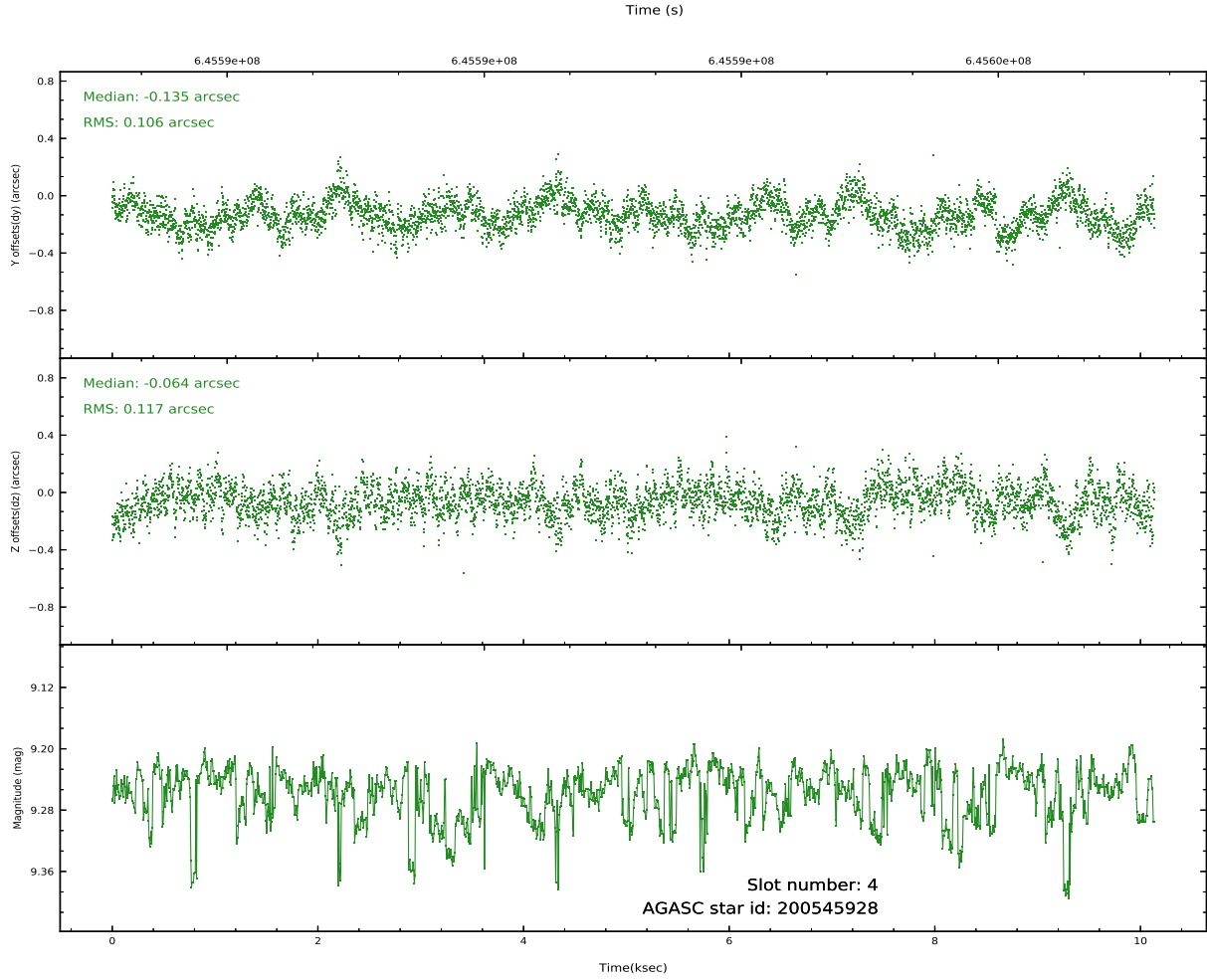
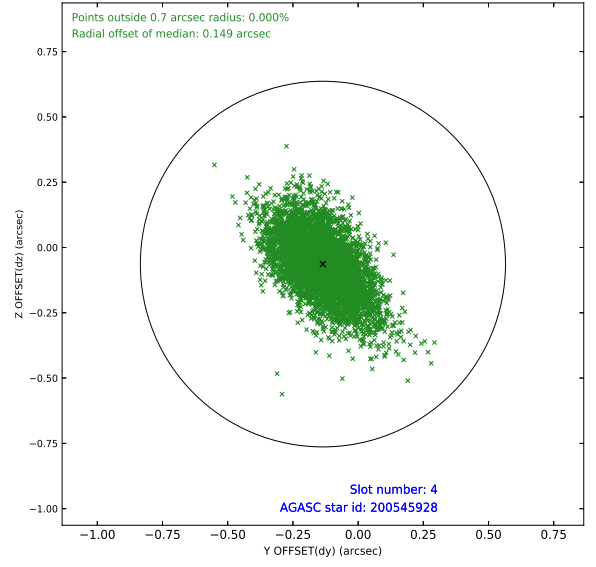
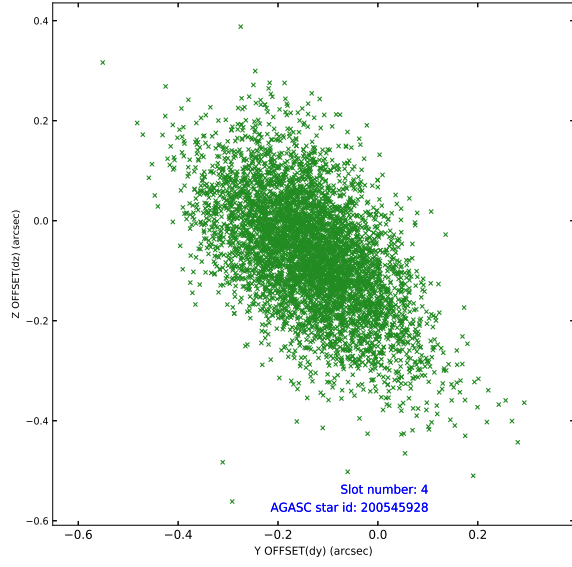
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.98	2472	1.000	0.124	-0.073	0.032	0.047	0.000000	0.000000	-773.66	-1745
1	FID		ACIS-S-4	7.08	2471	1.000	0.053	-0.039	0.030	0.044	0.000000	0.000000	2139.57	162
2	FID		ACIS-S-5	7.08	2472	1.000	-0.206	0.124	0.026	0.036	0.000000	0.000000	-1825.89	157
3	GUIDE	used	200417112	9.29	4940	1.000	0.064	-0.070	0.182	0.293	253.627645	19.099861	1722.35	2248
4	GUIDE	used	200545928	9.25	4929	1.000	-0.135	-0.064	0.163	0.283	254.225599	19.670056	-765.89	785
5	GUIDE	used	200548320	9.21	4944	1.000	-0.074	0.158	0.178	0.280	254.424349	19.992614	-1711.83	-167
6	GUIDE	used	200549080	9.29	4937	1.000	0.023	-0.071	0.162	0.277	254.354930	19.897618	-1398.34	103
7	GUIDE	used	200410352	9.17	4939	1.000	0.123	0.057	0.174	0.290	253.854152	20.494436	-309.62	-2405

2.4 Star Slots

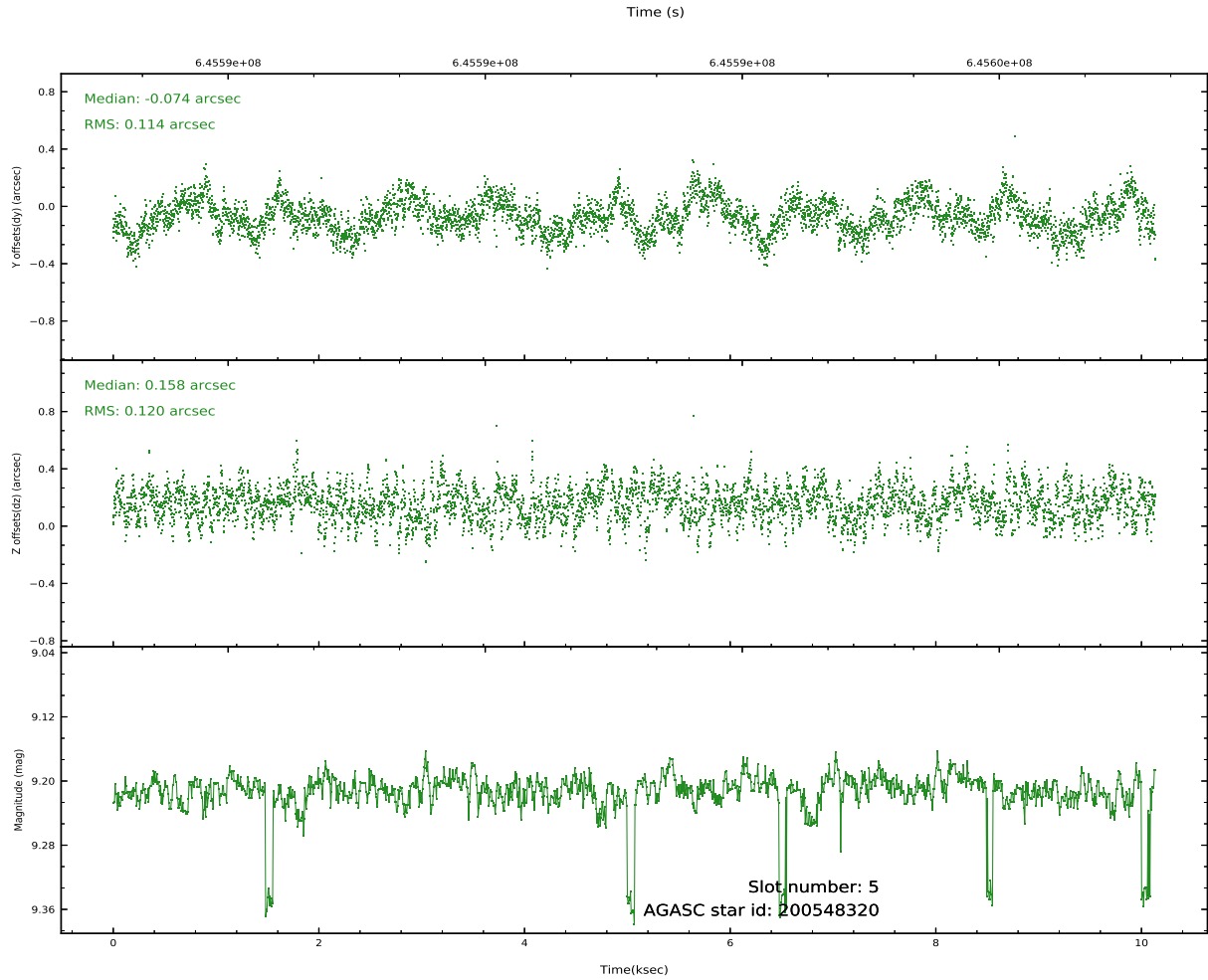
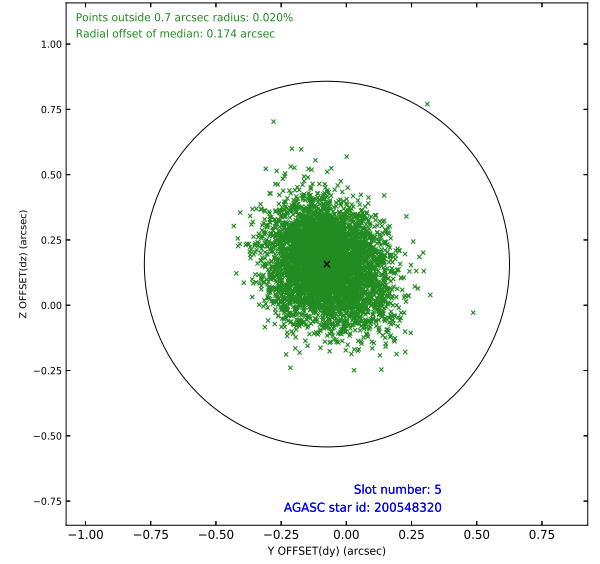
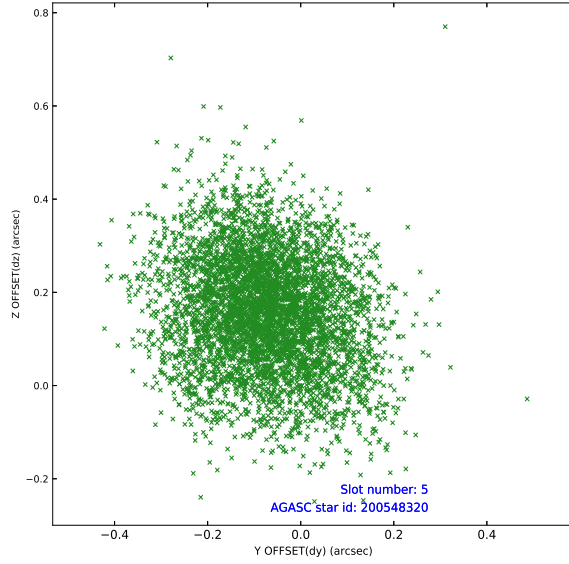
2.4.1 Slot 3



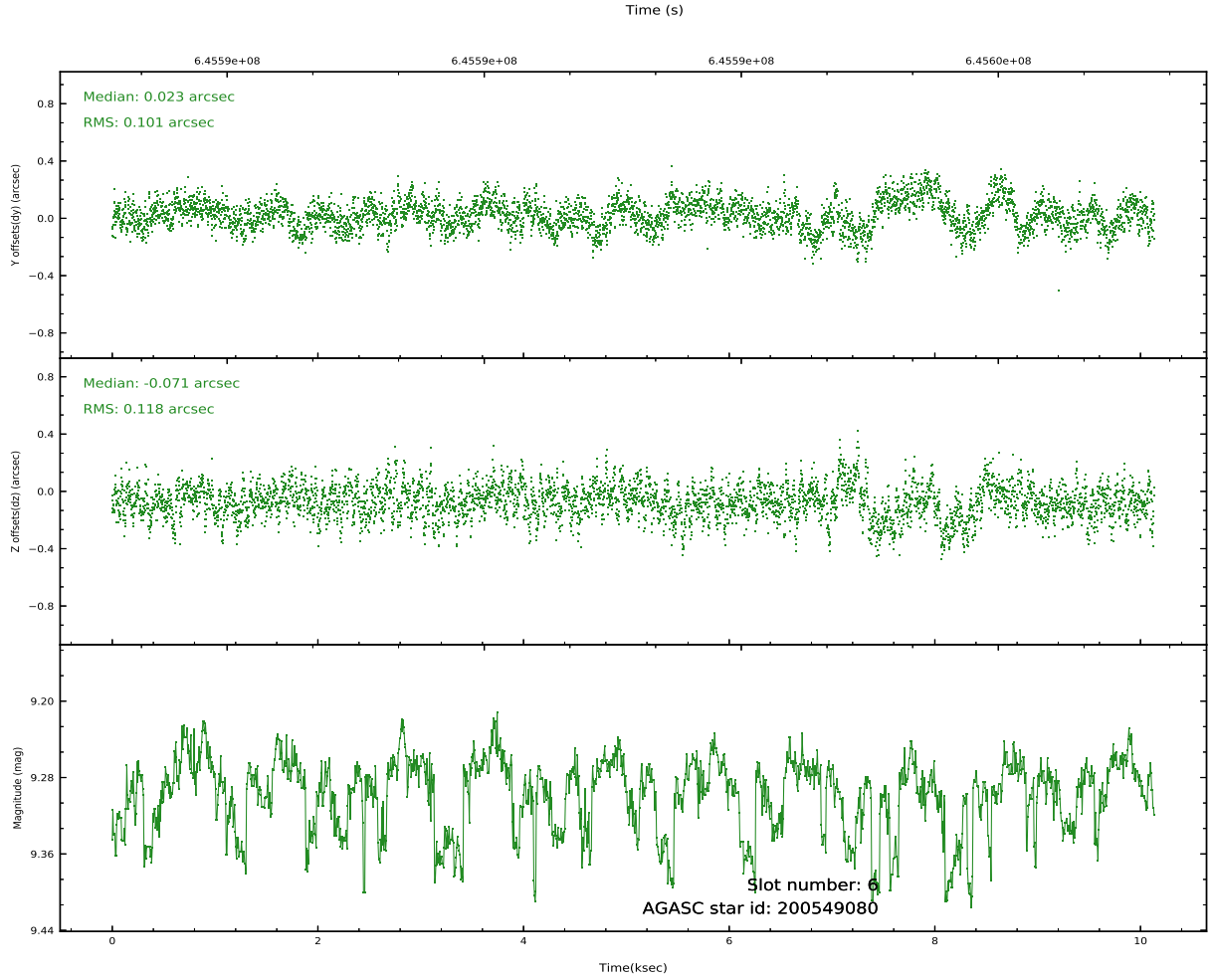
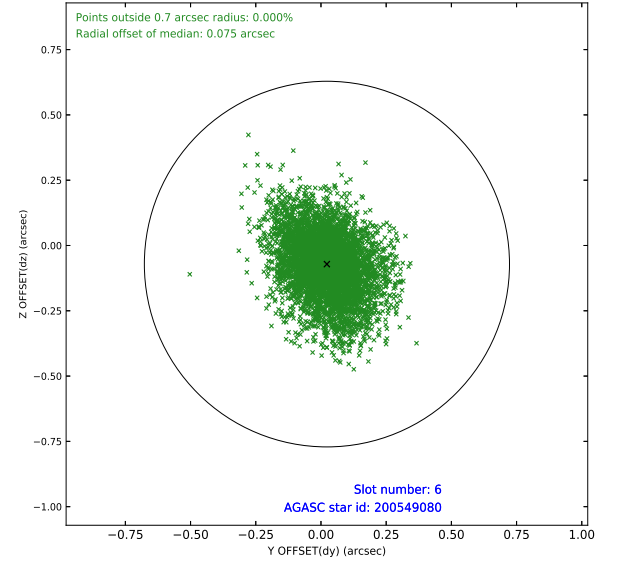
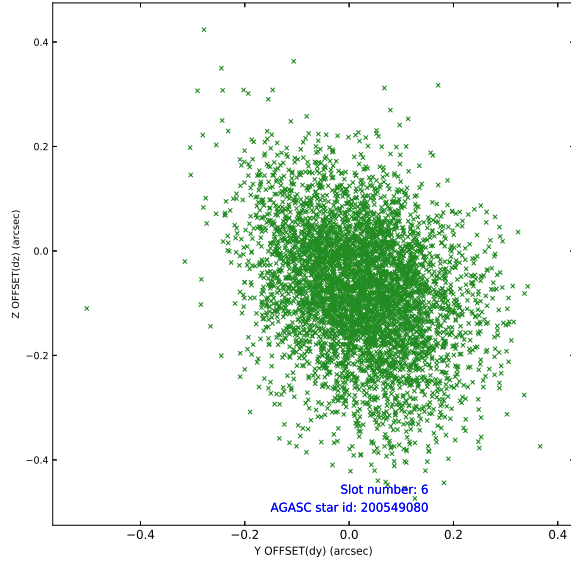
2.4.2 Slot 4



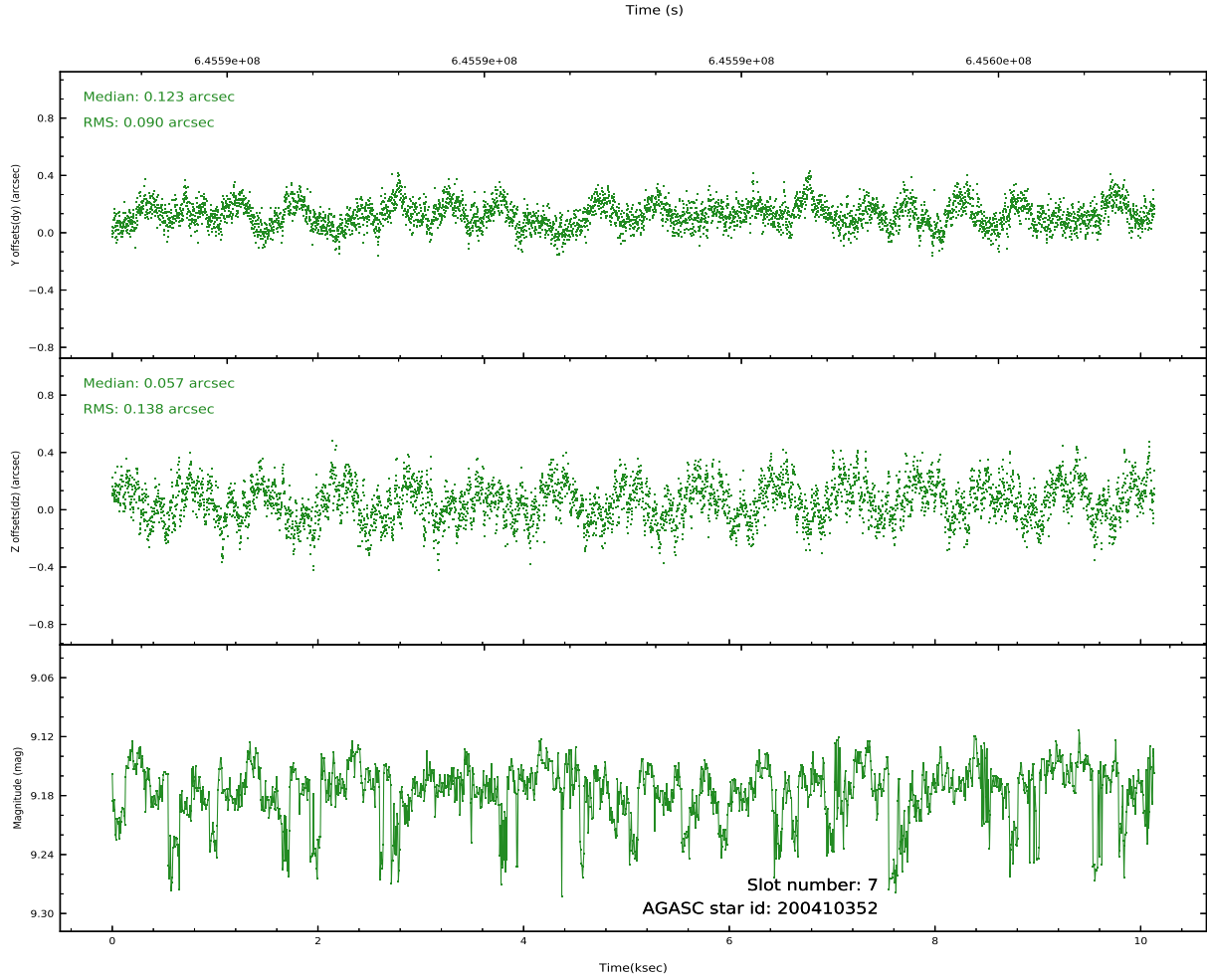
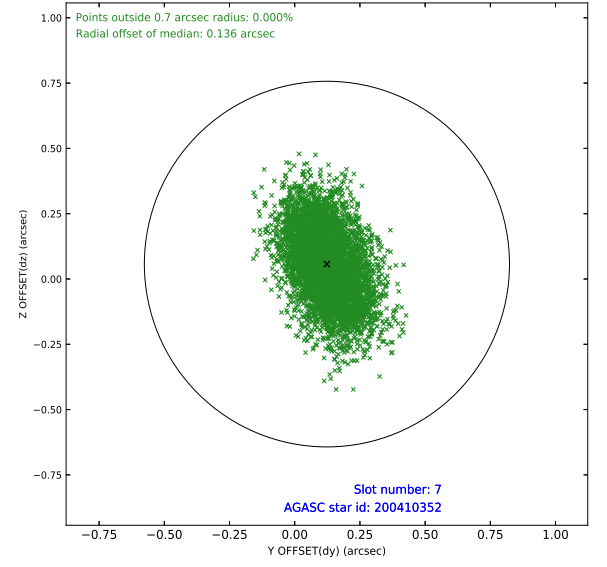
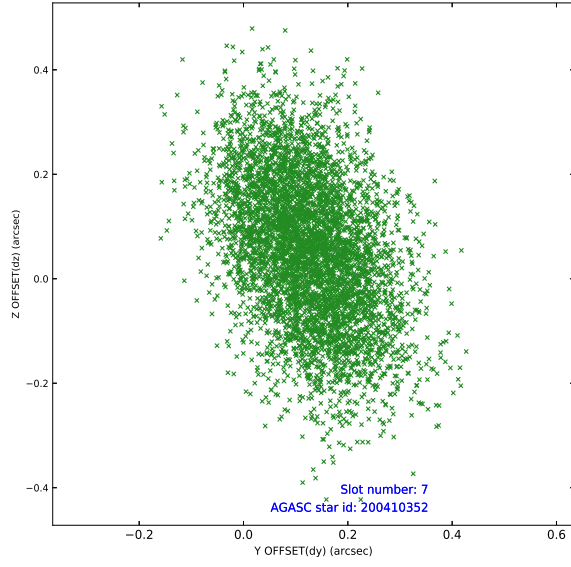
2.4.3 Slot 5



2.4.4 Slot 6

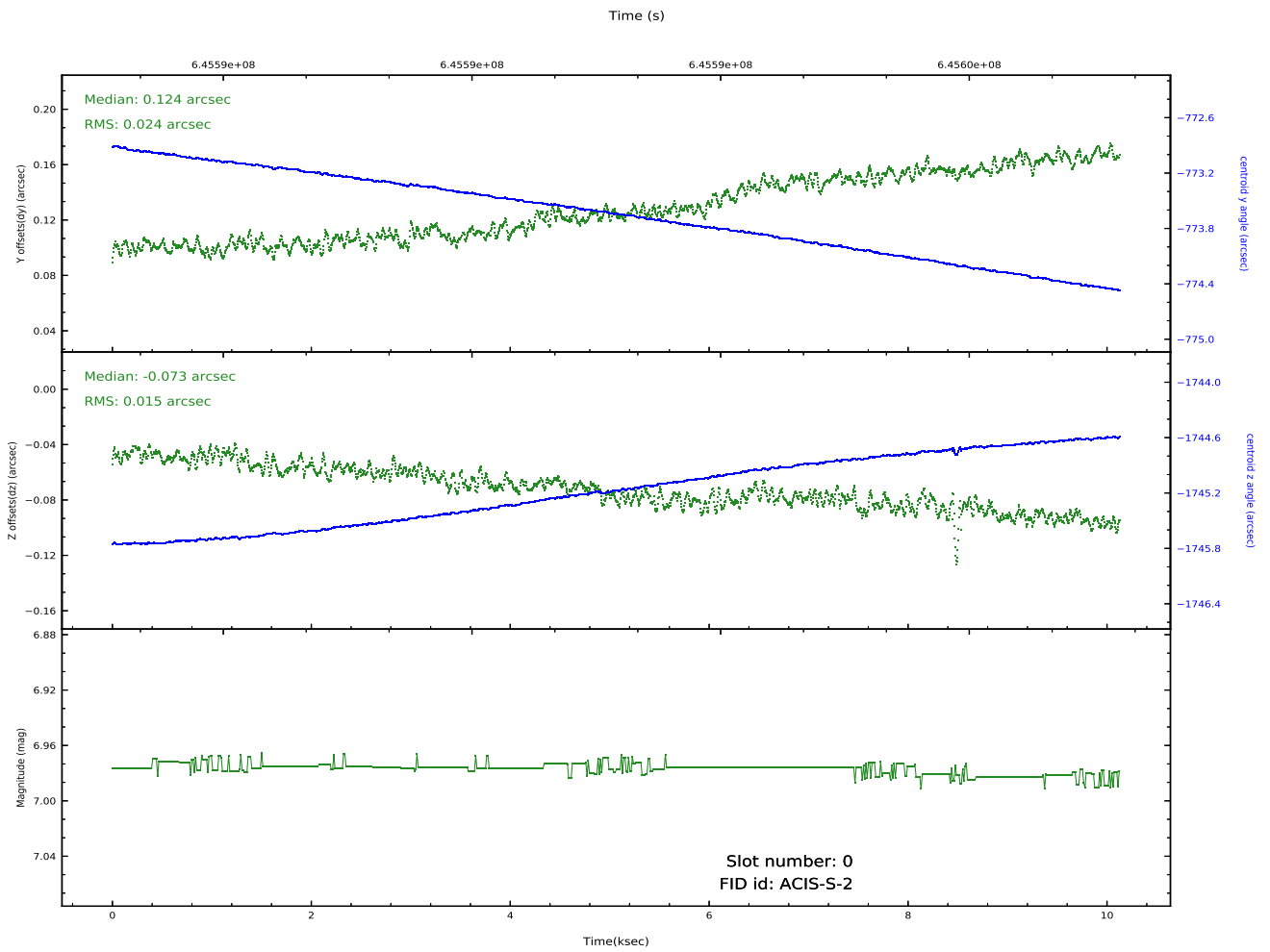
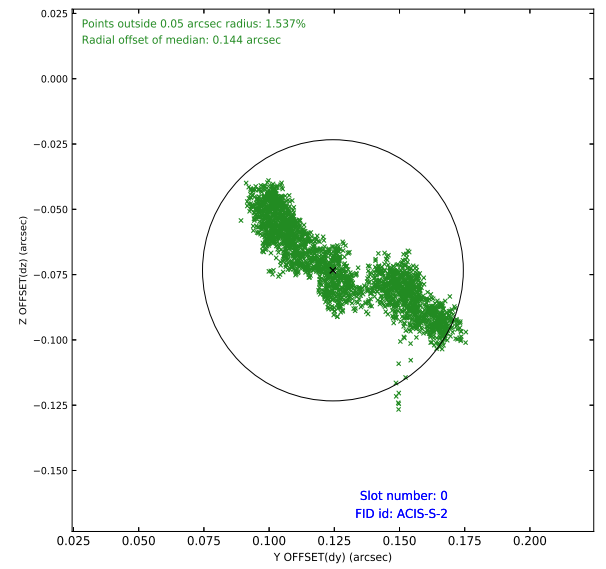
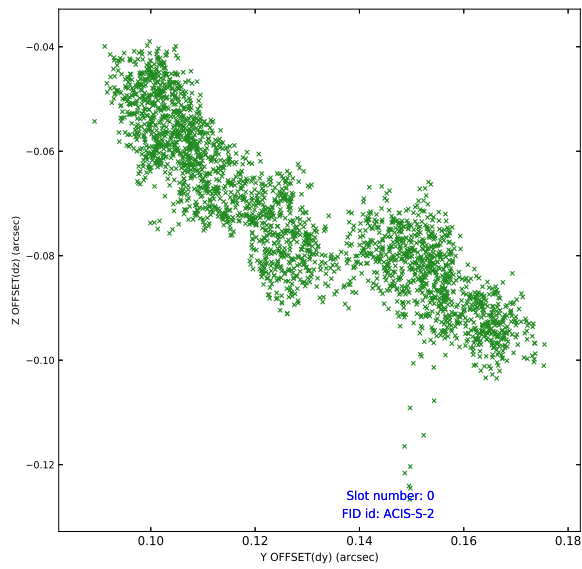


2.4.5 Slot 7

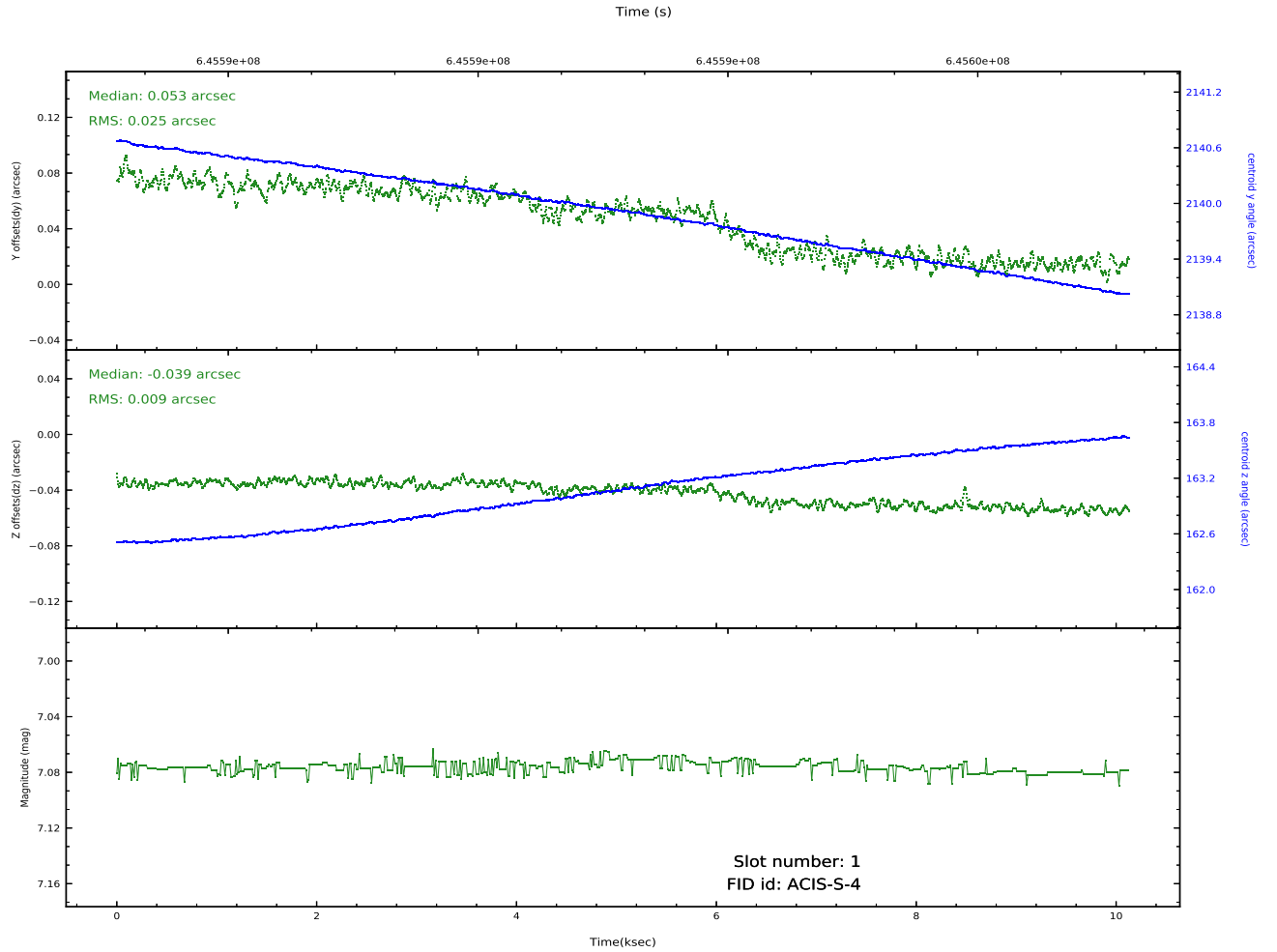
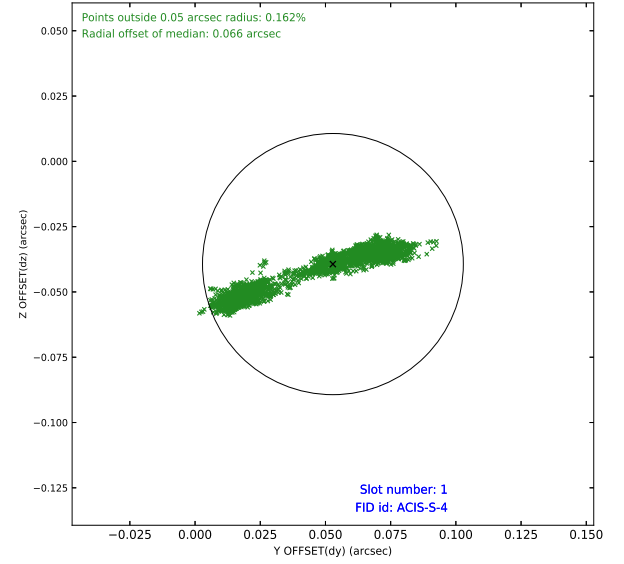
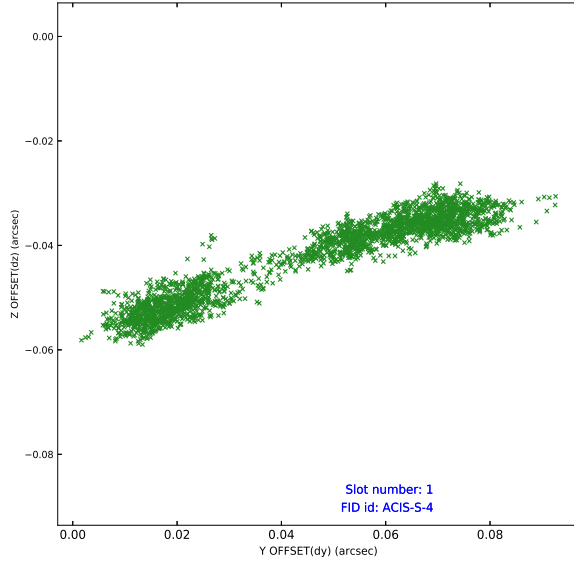


2.5 FID Slots

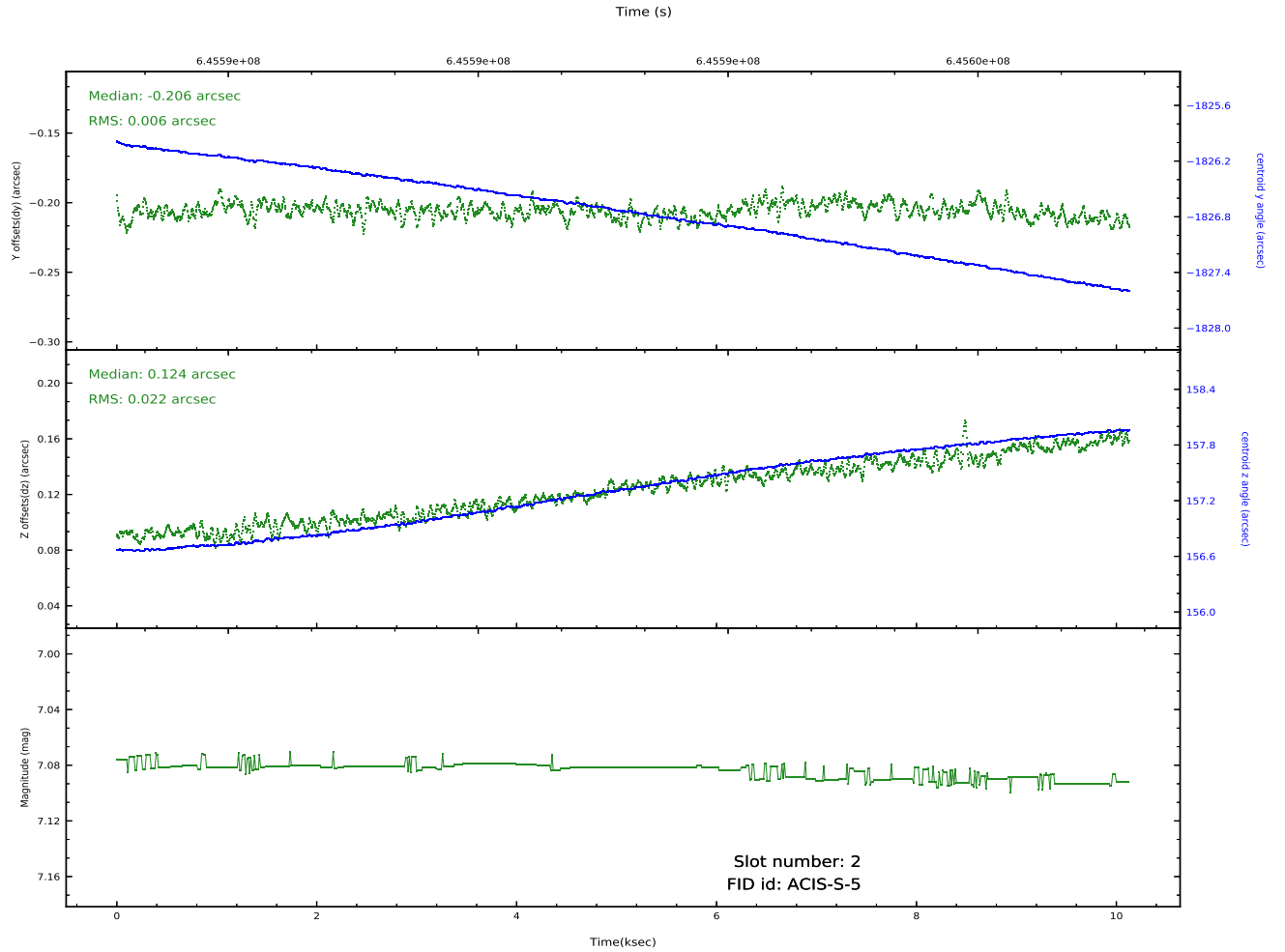
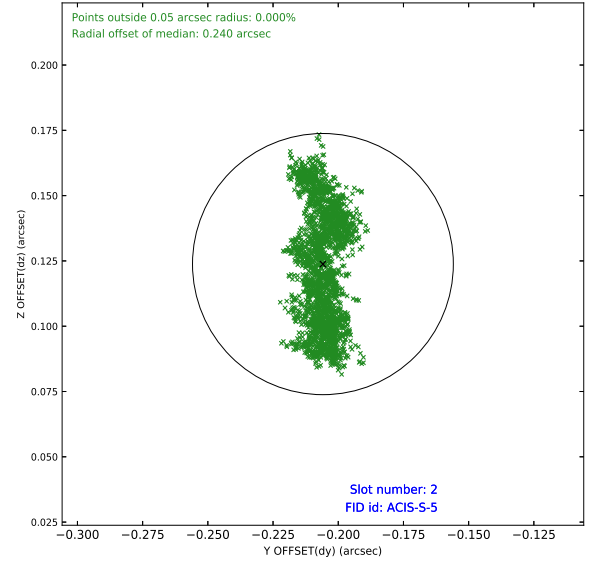
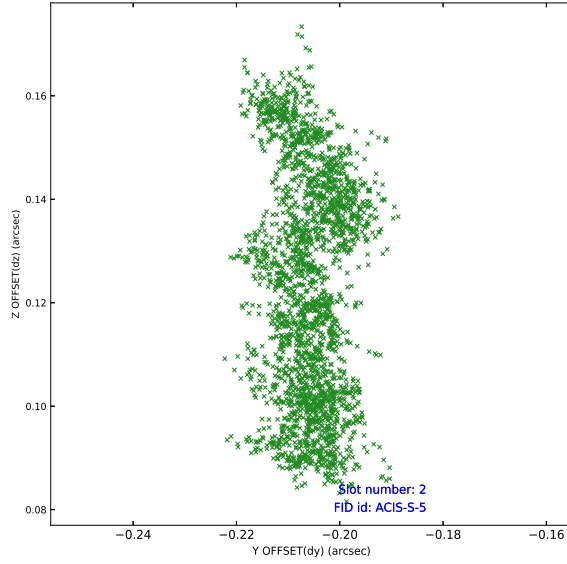
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.060506554127

A.2 Comments