

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20411 - L2 Version 2
Chandra X-Ray Center

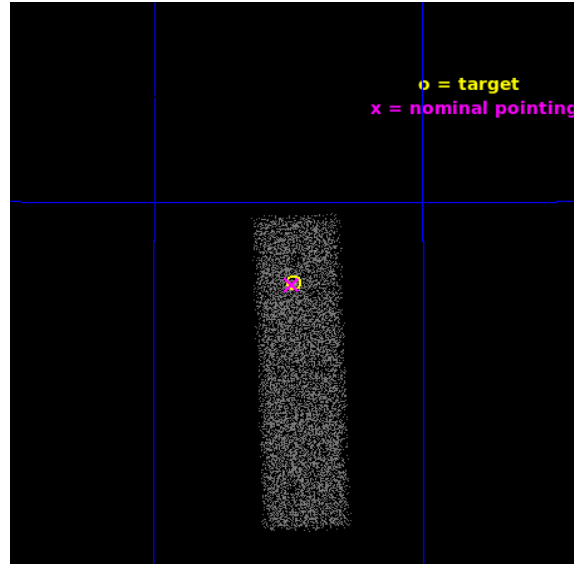
L2 Processing Date : Oct 24 2020

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1 Front

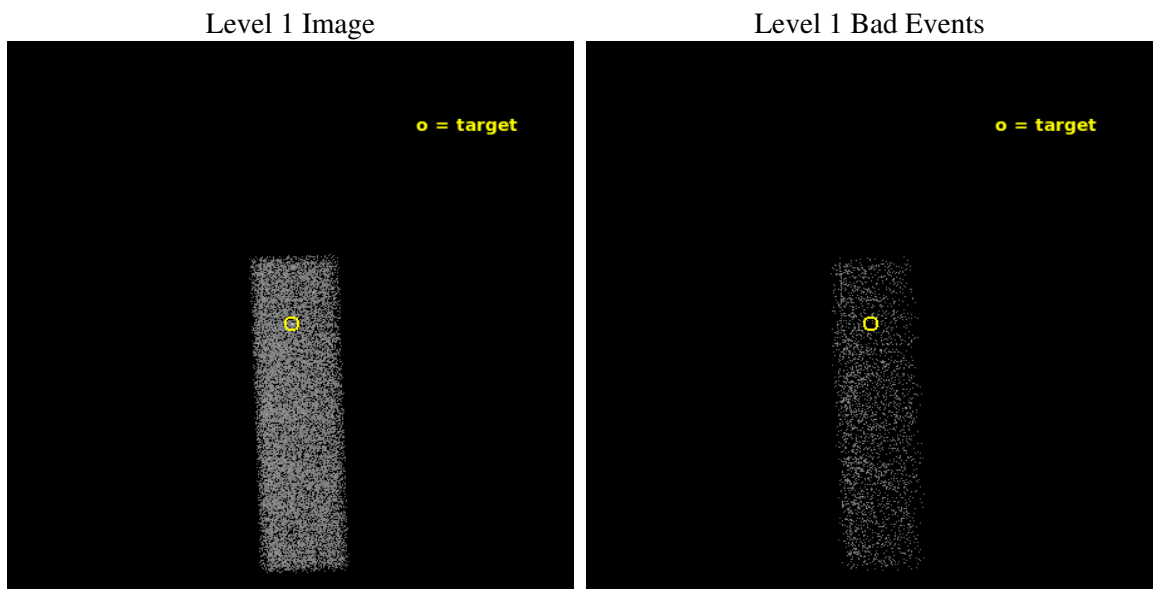
seq_num	703516	Sequence number
obs_id	20411	Observation id
title	A SEARCH FOR BEACONS IN THE EARLY UNIVERSE: A SURVEY OF HIGH REDSHIFT RADIO JETS	Proposal title
observer	Daniel Schwartz	Principal investigator
object	J1016+2037	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.184583	Observer's specified target RA [deg]
dec_targ	20.629806	Observer's specified target Dec [deg]
ra_nom	154.18574989798	Nominal RA [deg]
dec_nom	20.628969631492	Nominal Dec [deg]
roll_nom	88.109248279356	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10061.26236403	Sum of GTIs [s]
livetime	9570.3056825168	Livetime [s]
ontime7	10061.26236403	Sum of GTIs [s]
l2events	11501	Number of level 2 events



2 OBI

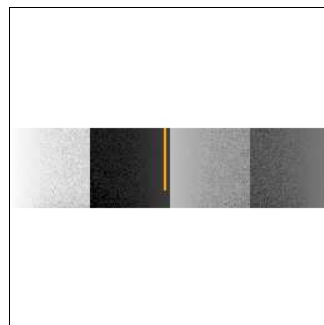
2.1 OBI

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	10061.26236403	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	10061.26236403	Sum of GTIs [s]
date	2020-10-24T08:59:51	Date and time of file creation	l1events	24874	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

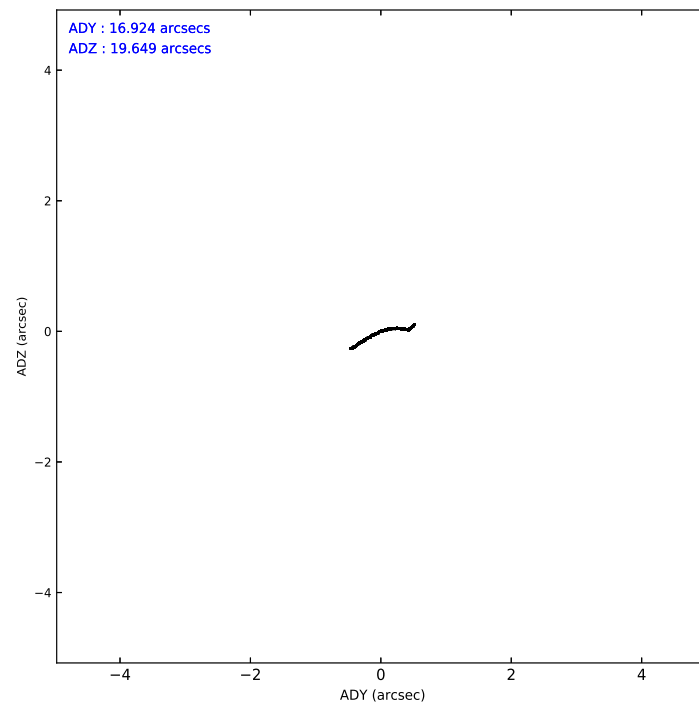
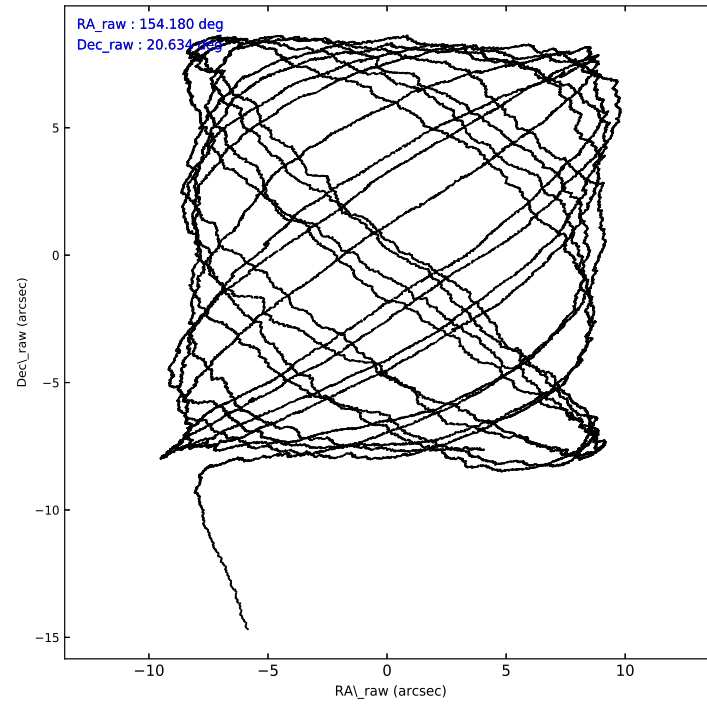
	ccd 7
level 1 events	24874
rejected events	12953
rejected %	52%

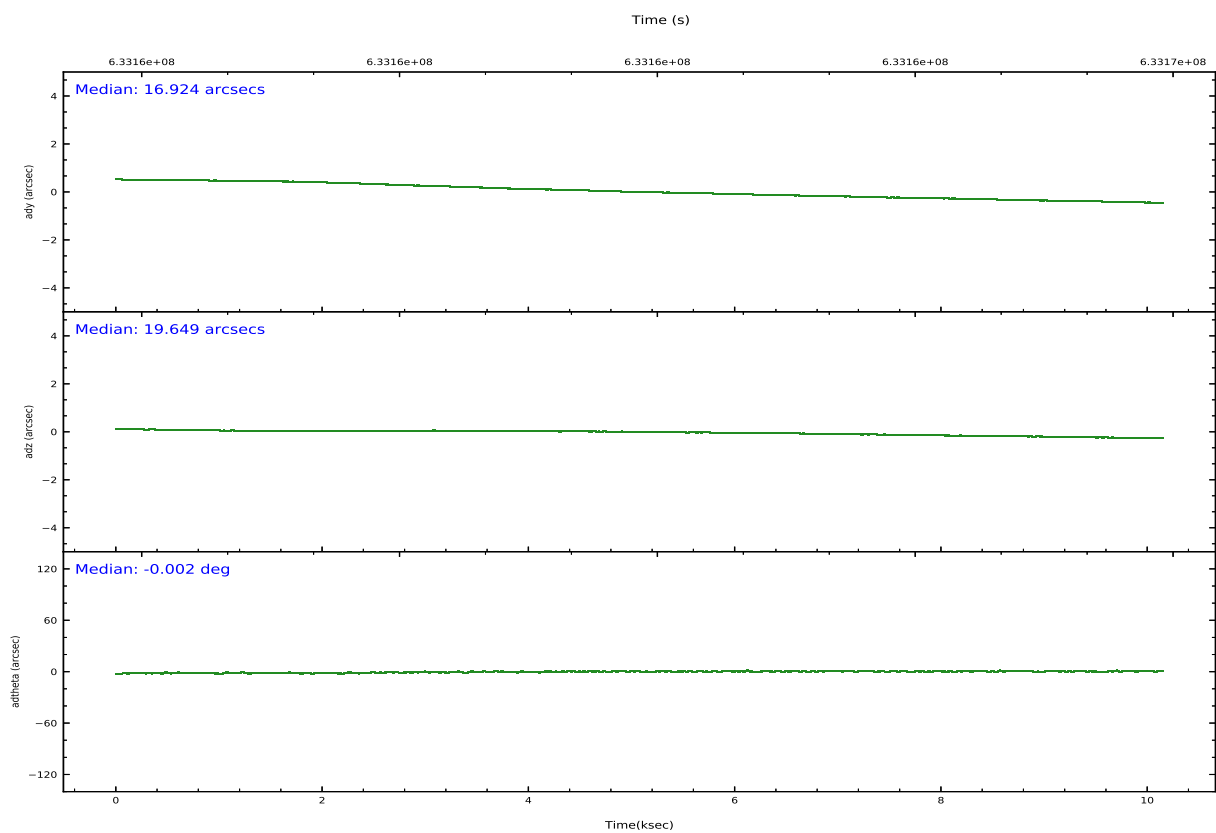
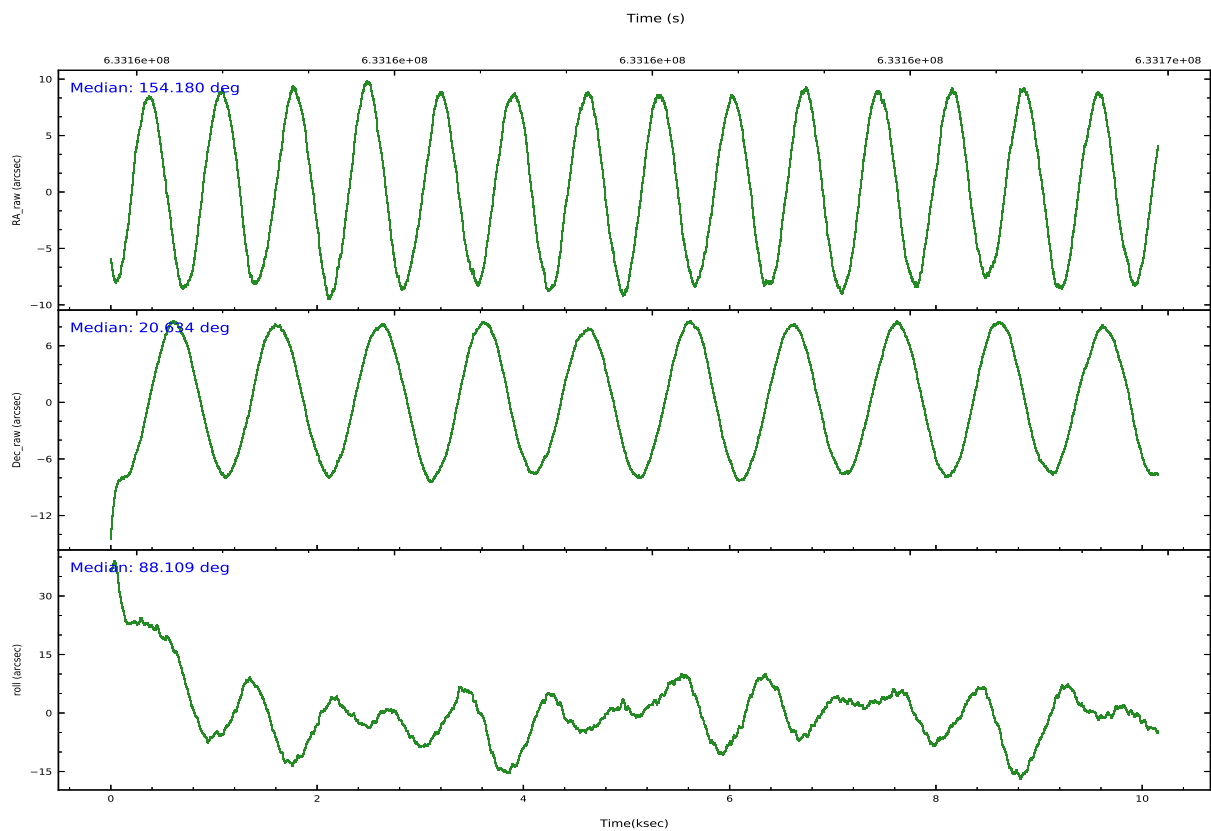
	ccd 7
grade 0 events	1183
	4%
grade 1 events	42
	0%
grade 2 events	2357
	9%
grade 3 events	1366
	5%
grade 4 events	1267
	5%
grade 5 events	2541
	10%
grade 6 events	5748
	23%
grade 7 events	10370
	41%

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	154.194109	154.18574989798	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	20.609998	20.628969631492	Subarray start row	385	385
[deg] Pointing Roll	87.951024	88.109248279356	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)	633157403.184000	633156195.76996			
Observation start date	2018-01-24T05:02:14	2018-01-24T04:43:15			
[s] Observation end time (MET)	633167403.184000	633168179.55817			
Observation end date	2018-01-24T07:48:54	2018-01-24T08:02:59			
Read mode	TIMED	TIMED			

2.3 Aspect



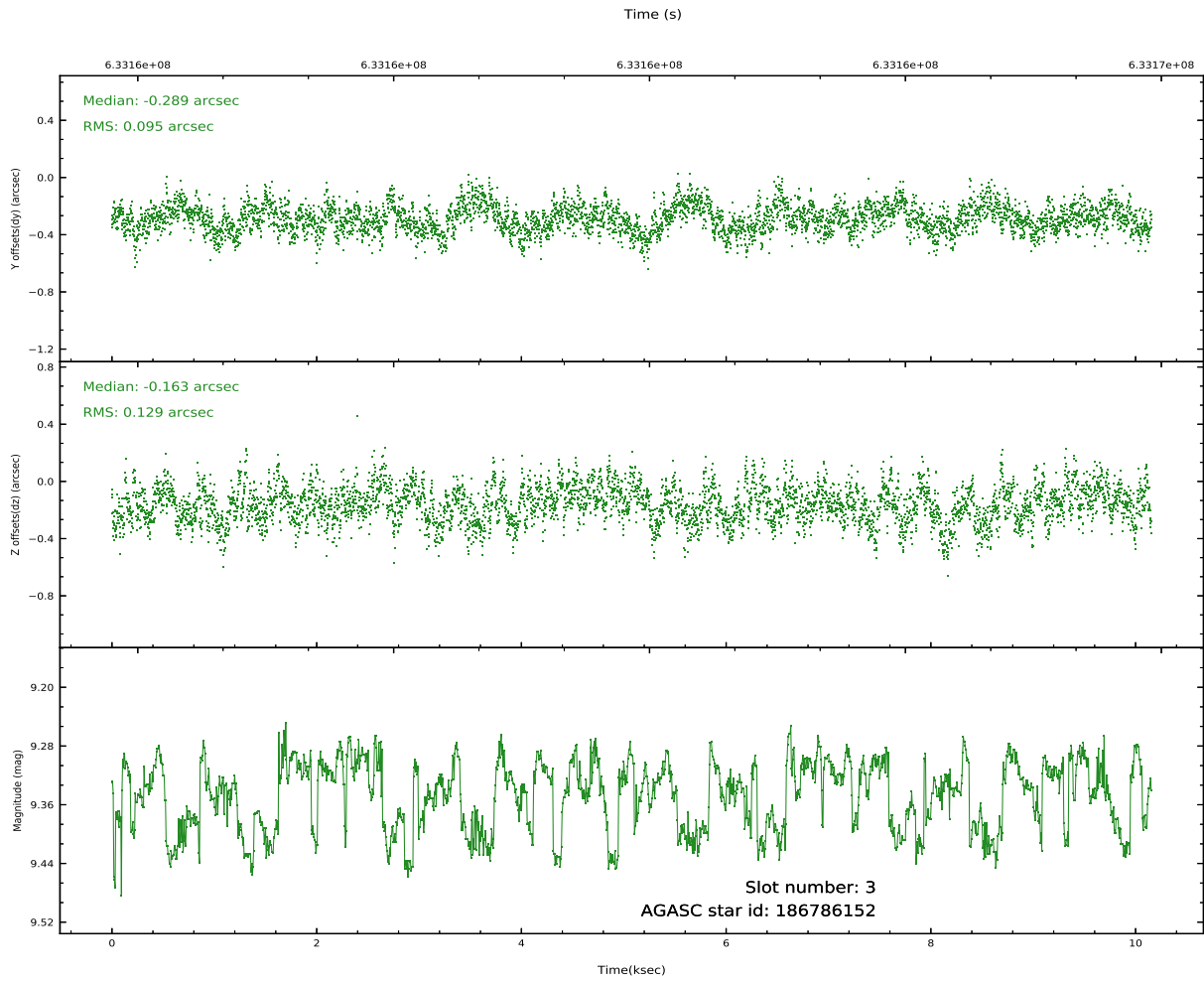
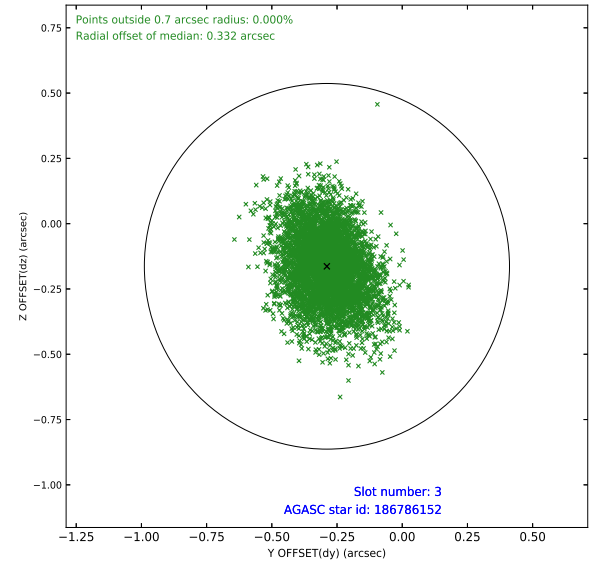
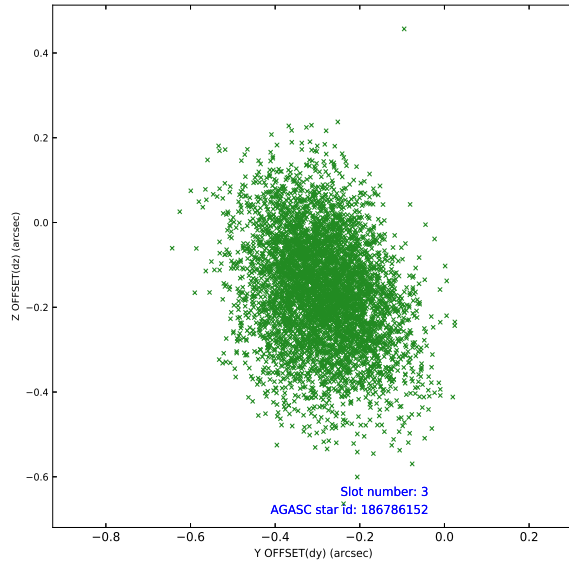


Slot Statistics

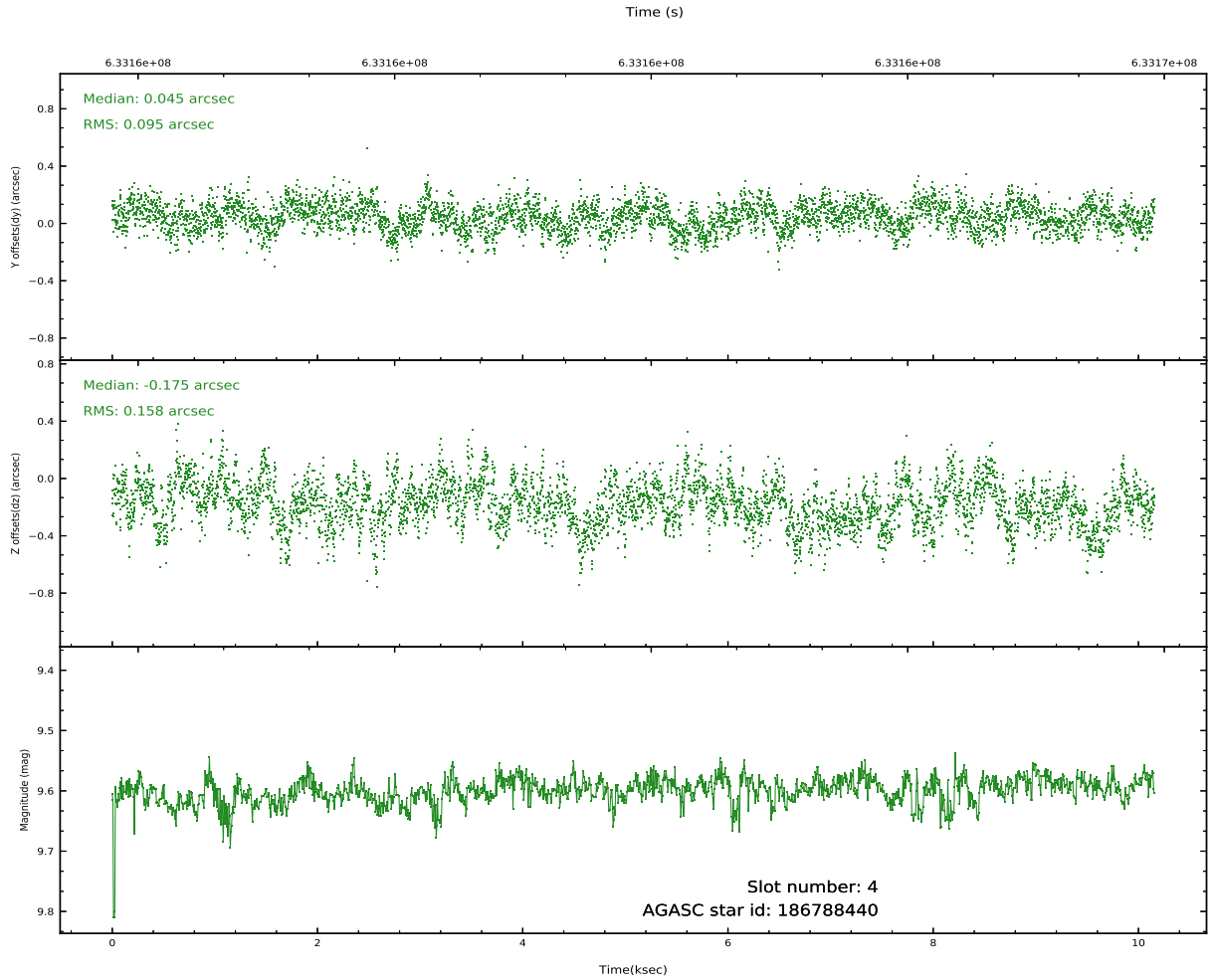
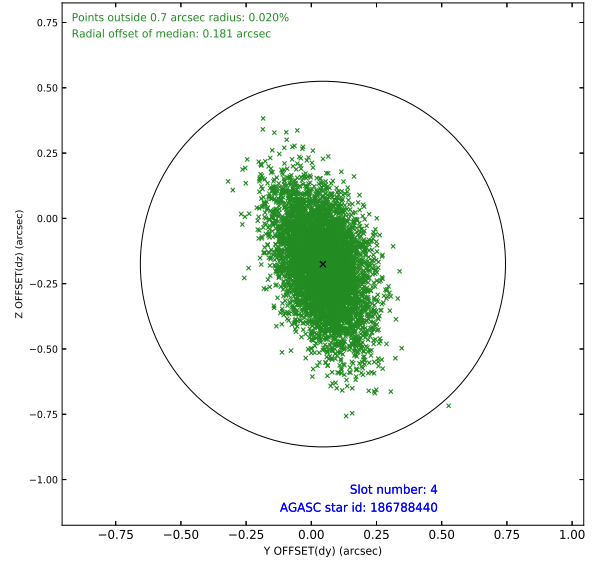
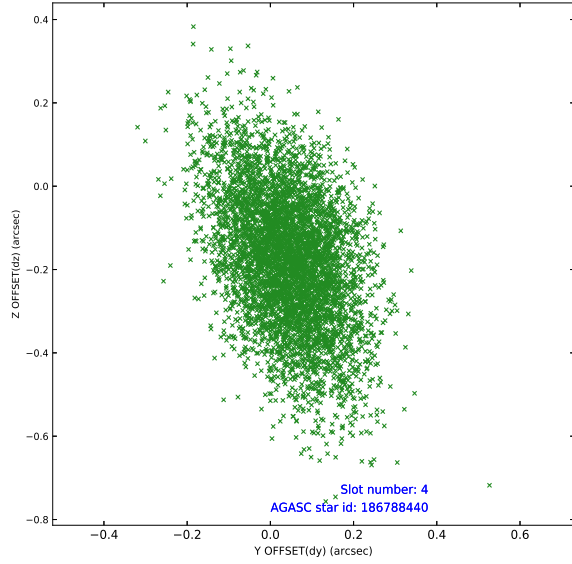
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.10	2477	1.000	0.281	-0.173	0.015	0.028	0.000000	0.000000	926.22	-1736
1	FID		ACIS-S-5	7.11	2476	1.000	-0.247	0.222	0.013	0.020	0.000000	0.000000	-1822.89	160
2	FID		ACIS-S-6	7.26	2477	1.000	-0.054	-0.038	0.010	0.018	0.000000	0.000000	391.04	804
3	GUIDE	used	186786152	9.34	4949	1.000	-0.289	-0.163	0.168	0.284	153.579914	21.074848	1599.23	2124
4	GUIDE	used	186788440	9.60	4946	1.000	0.045	-0.175	0.188	0.331	153.587792	20.435796	-695.24	2022
5	GUIDE	used	186788992	9.53	4948	1.000	0.083	-0.015	0.160	0.265	153.874711	20.126621	-1777.76	1017
6	GUIDE	used	186789648	7.38	4952	1.000	0.098	0.295	0.107	0.192	154.440273	20.003419	-2151.89	-909
7	GUIDE	used	186913968	9.16	4947	1.000	0.063	0.061	0.167	0.282	154.826927	20.959192	1336.59	-2081

2.4 Star Slots

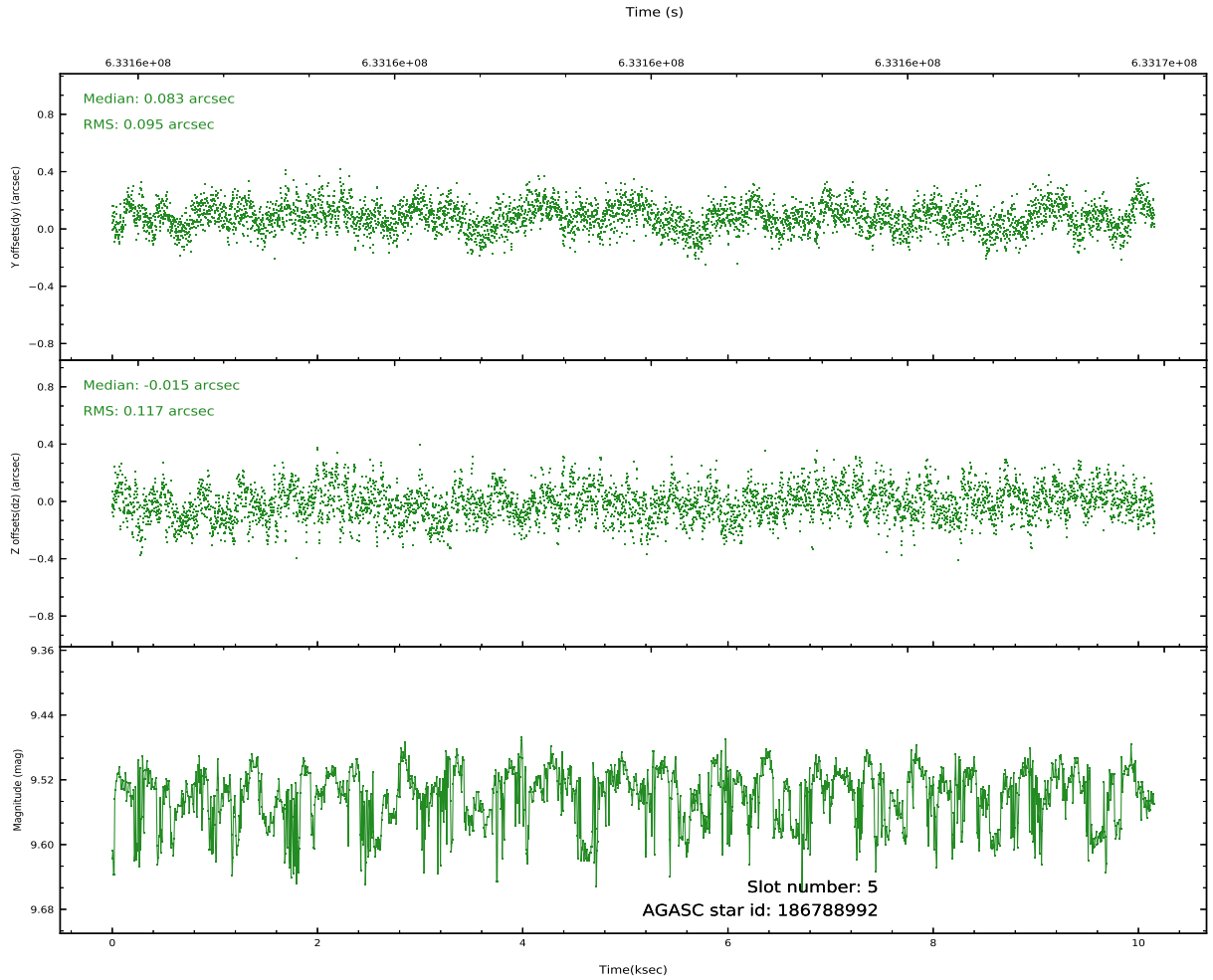
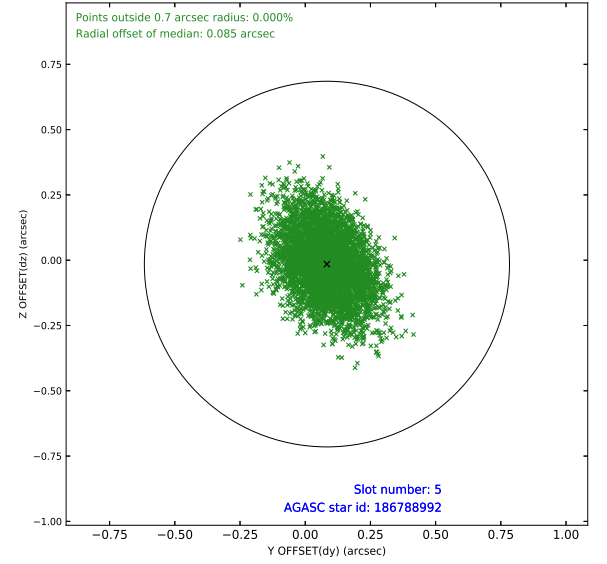
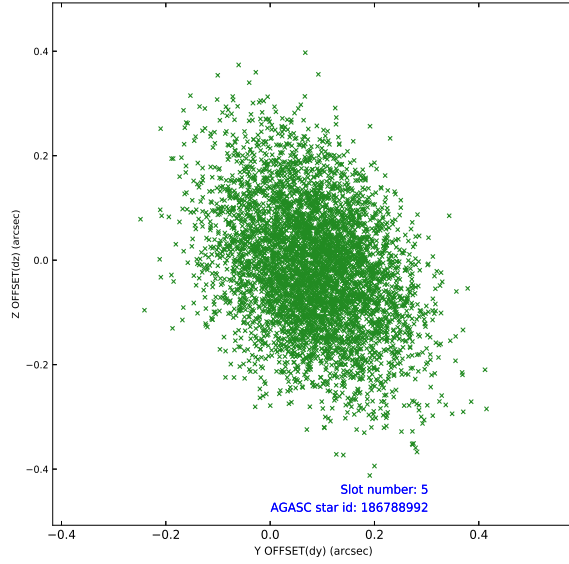
2.4.1 Slot 3



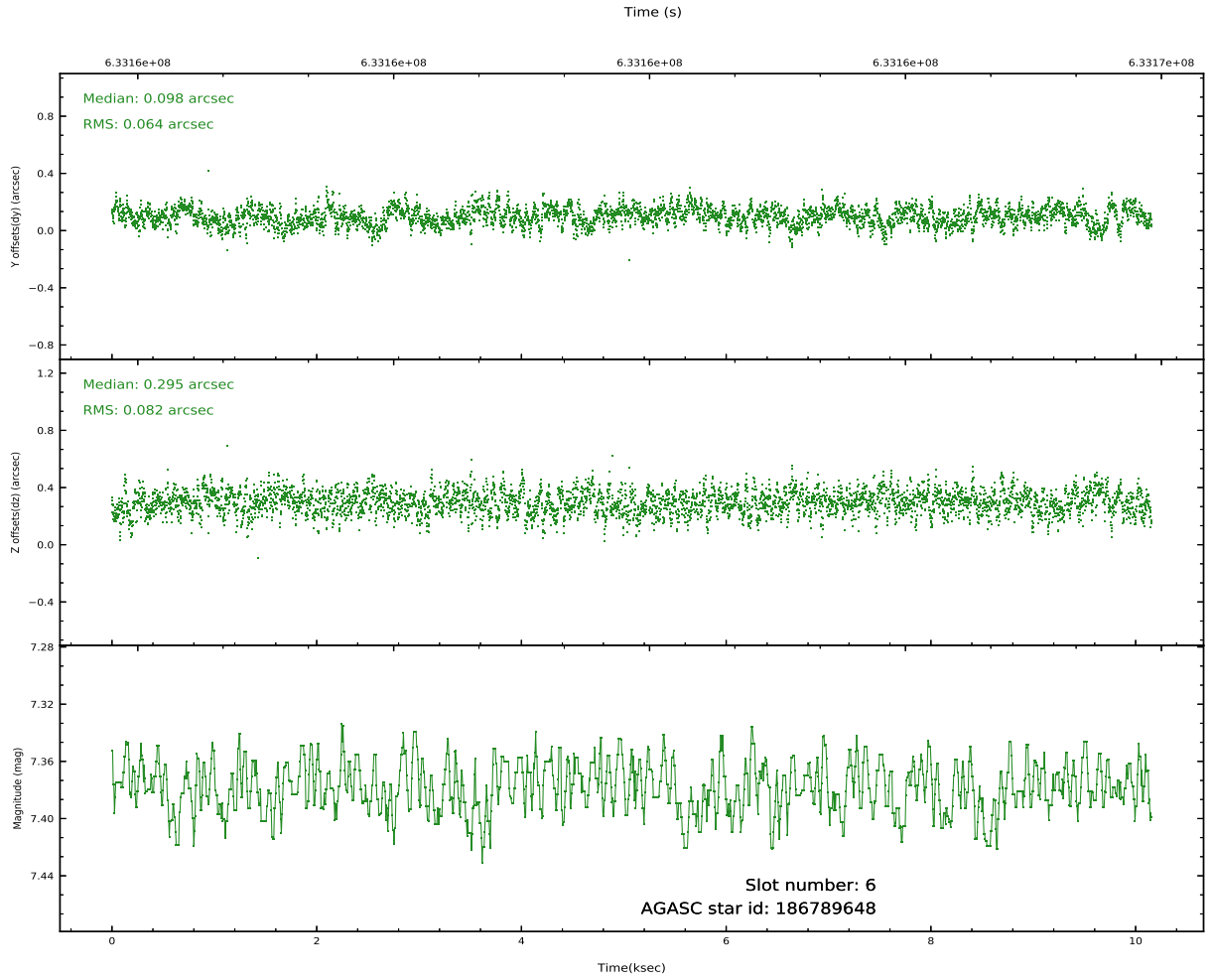
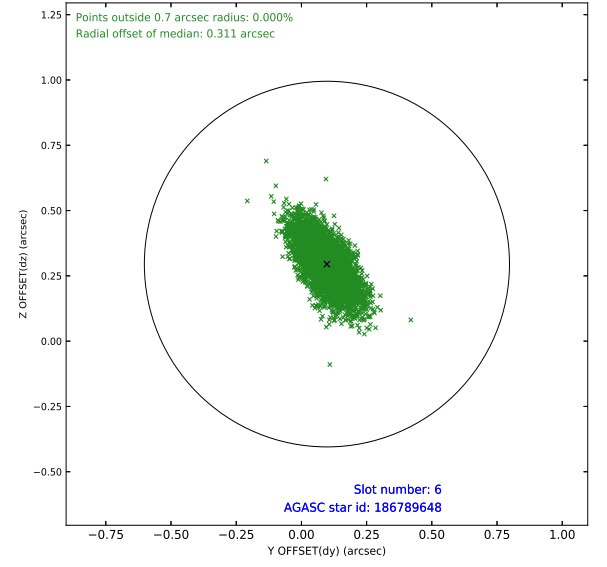
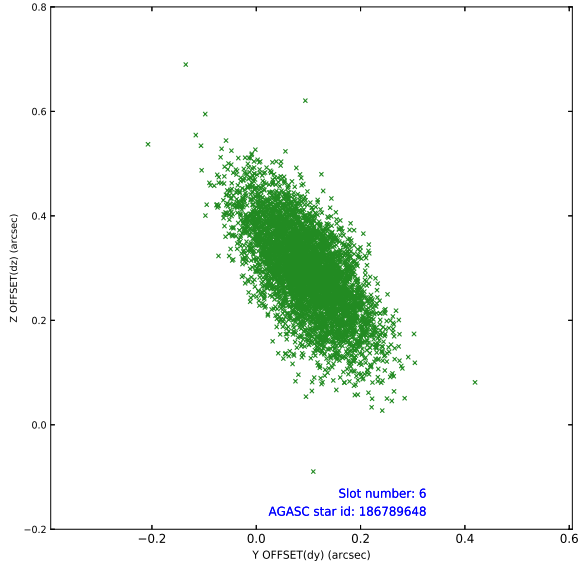
2.4.2 Slot 4



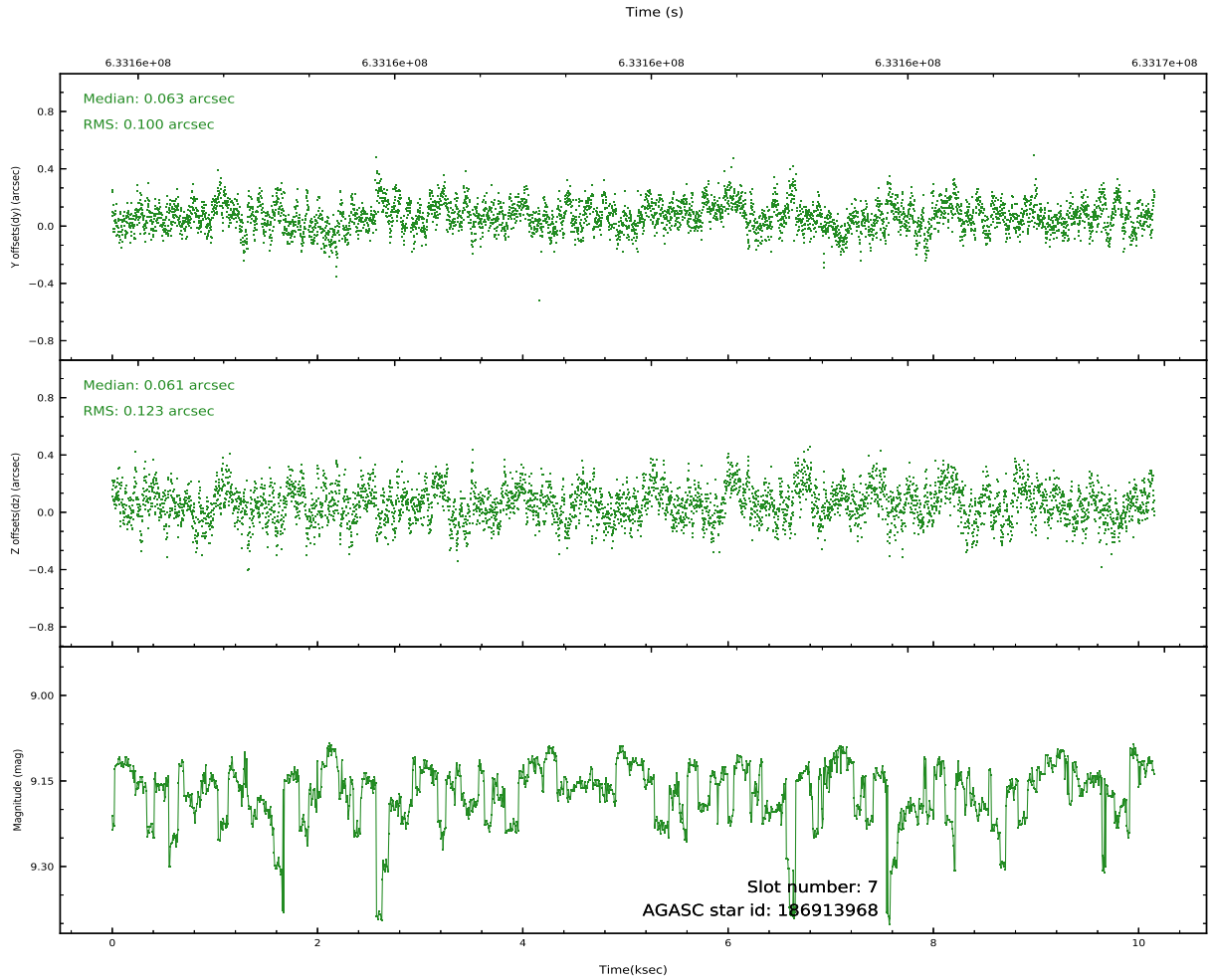
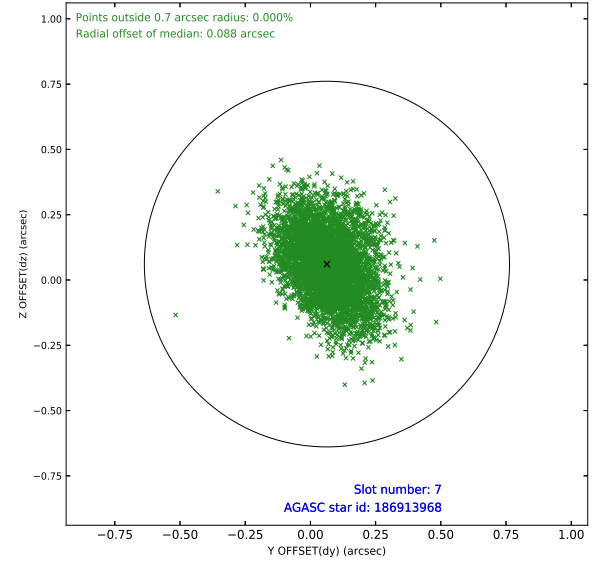
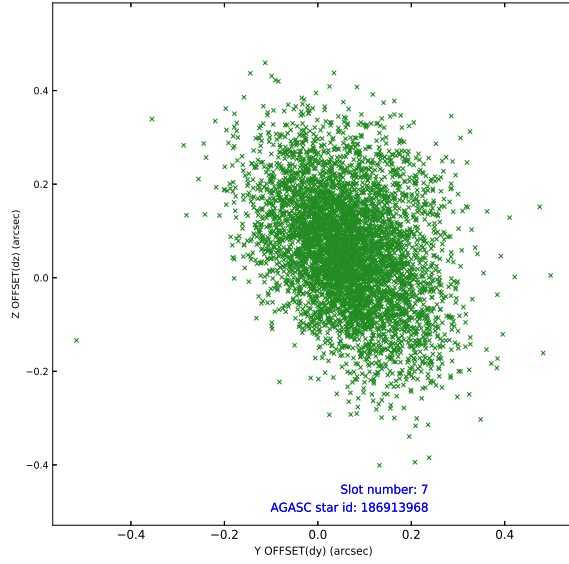
2.4.3 Slot 5



2.4.4 Slot 6

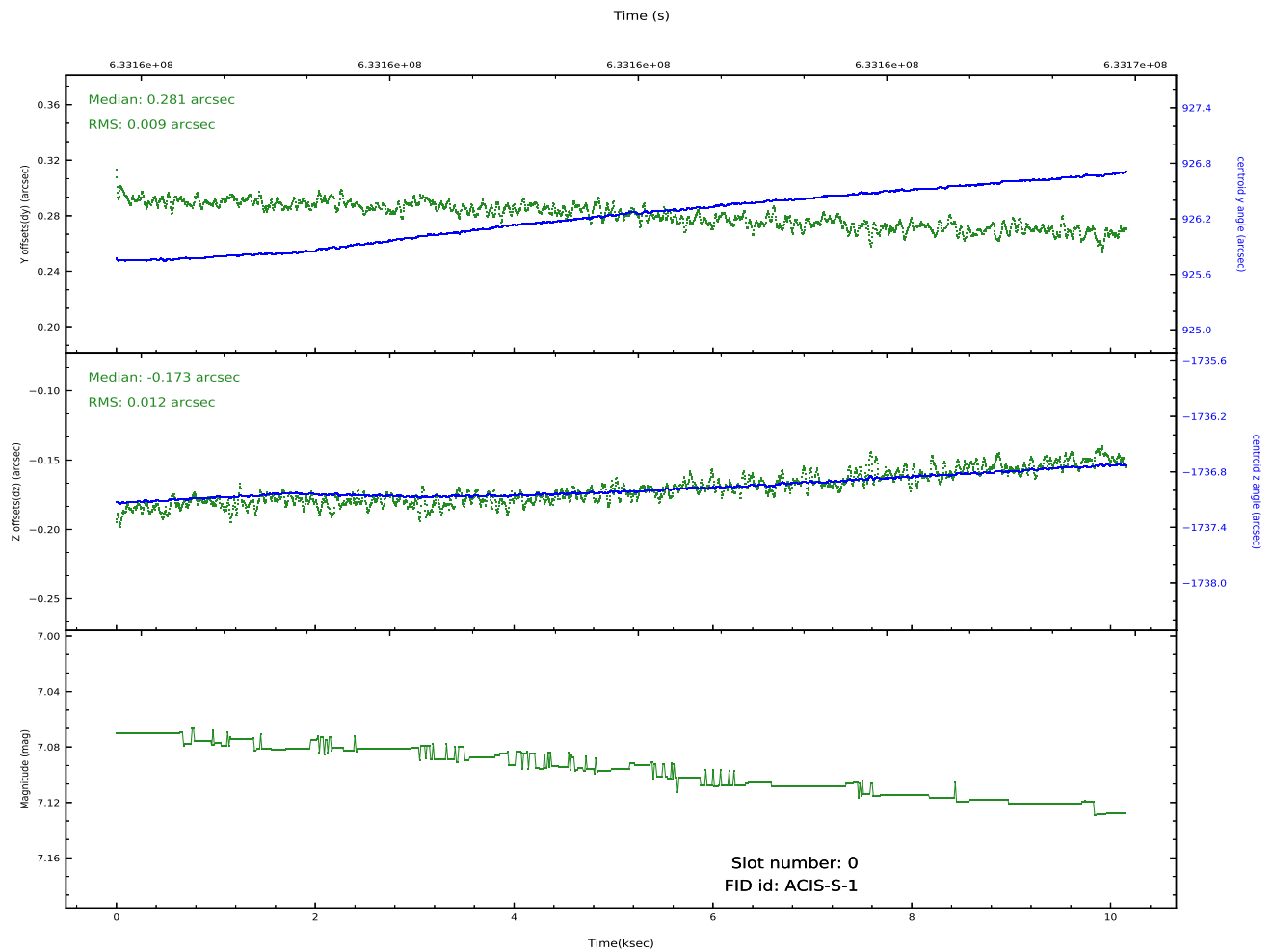
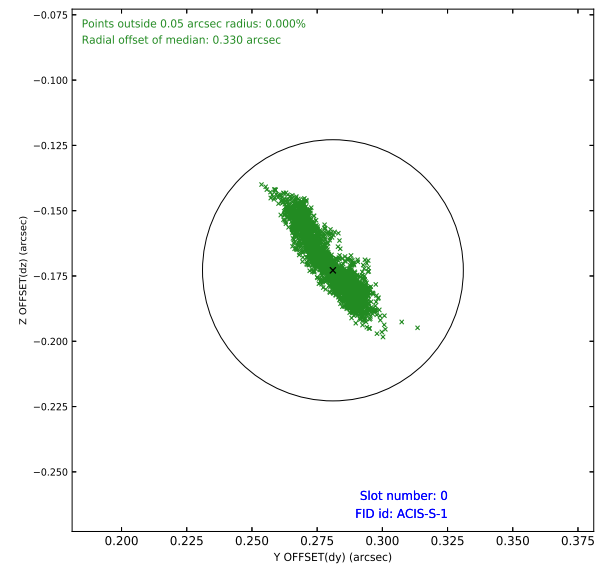
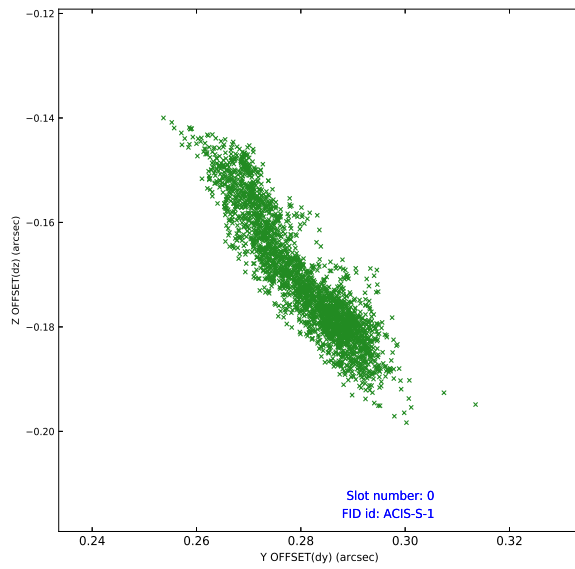


2.4.5 Slot 7

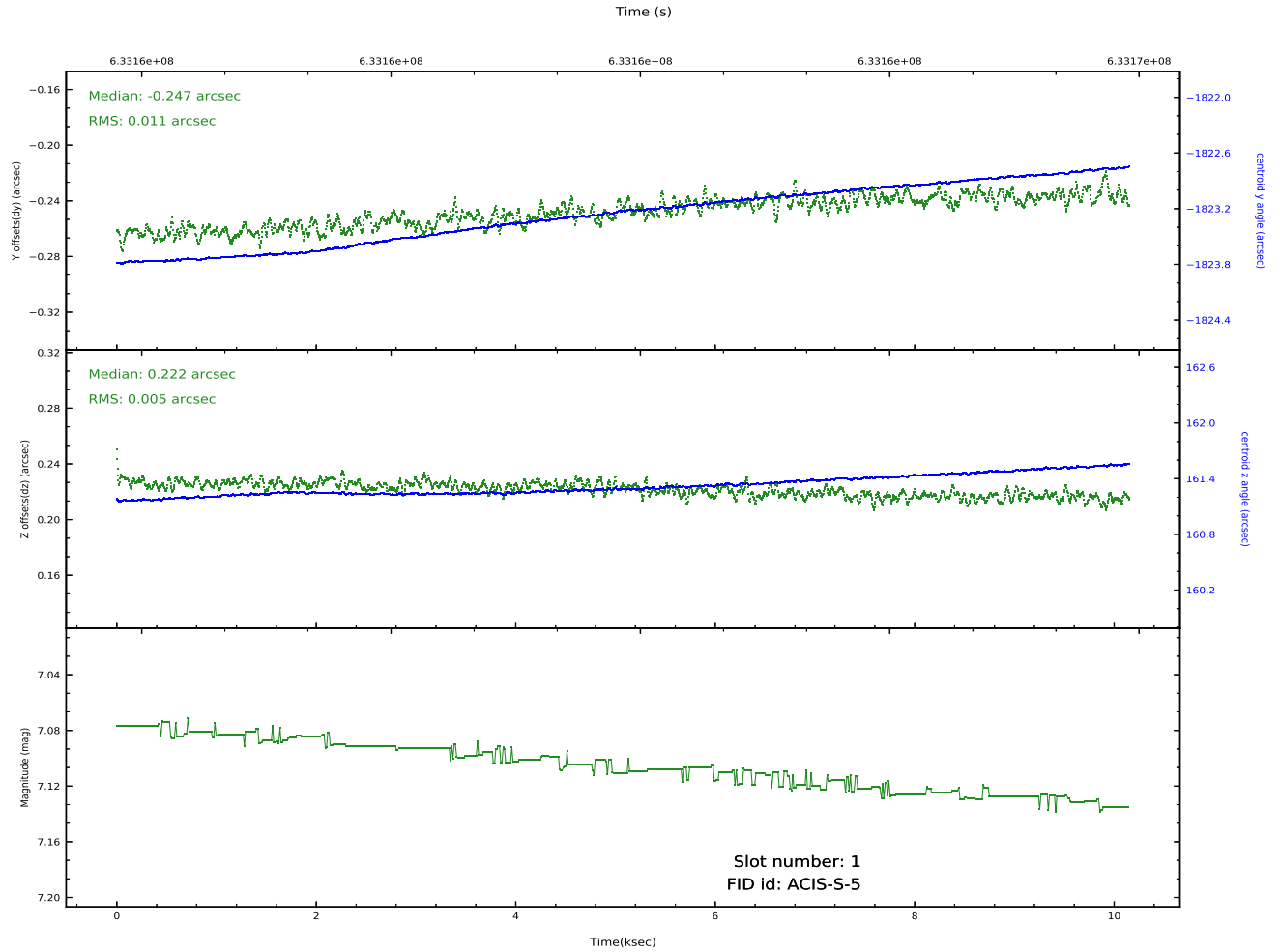
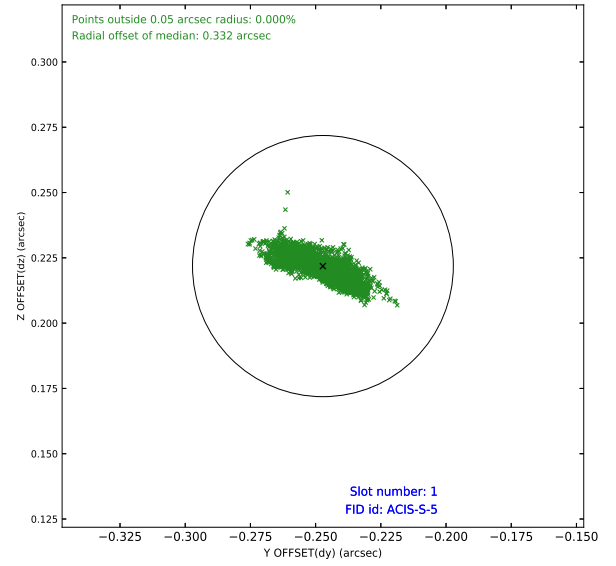
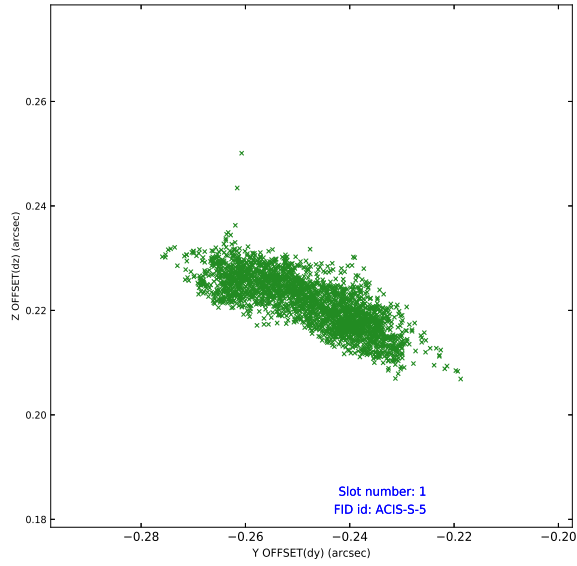


2.5 FID Slots

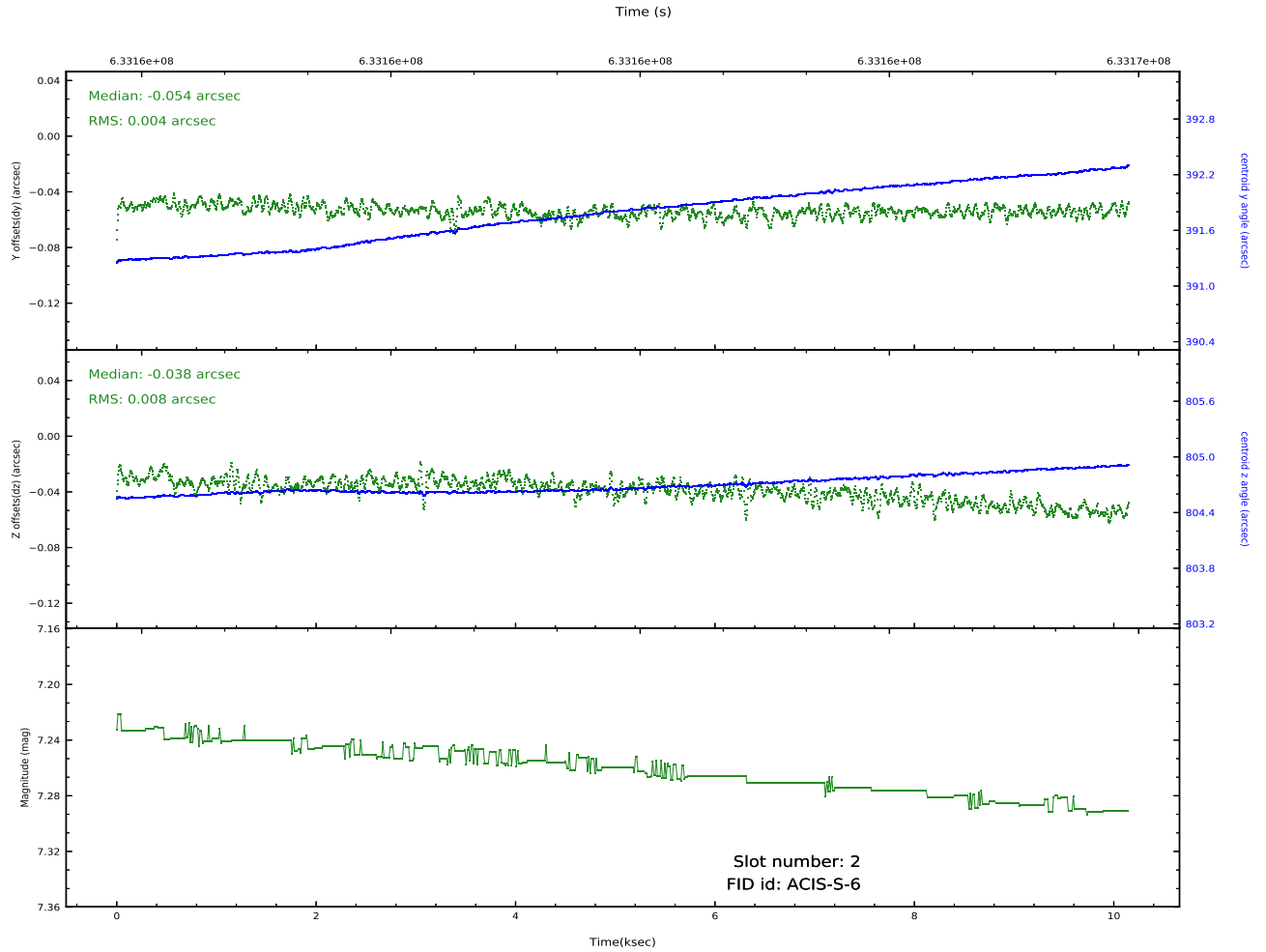
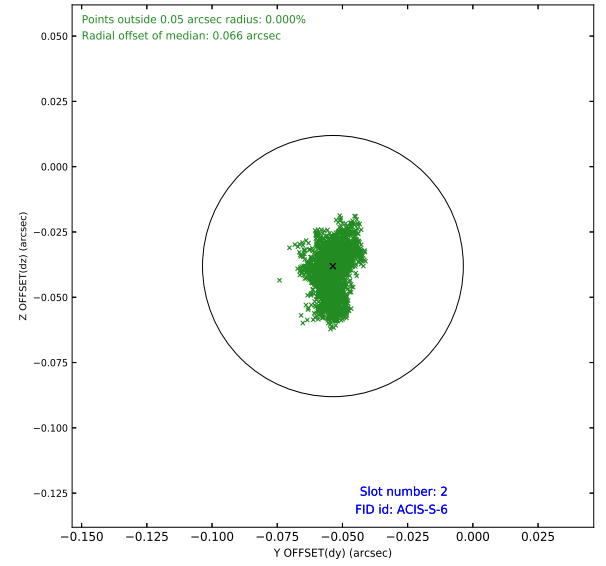
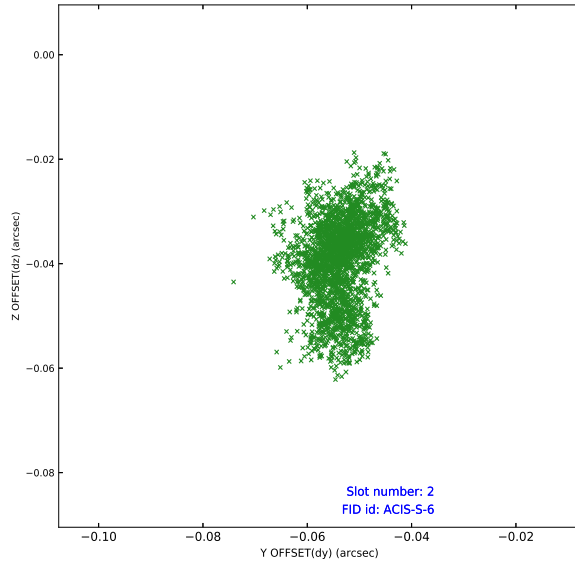
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.061262363911

A.2 Comments