

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20412 - L2 Version 2
Chandra X-Ray Center

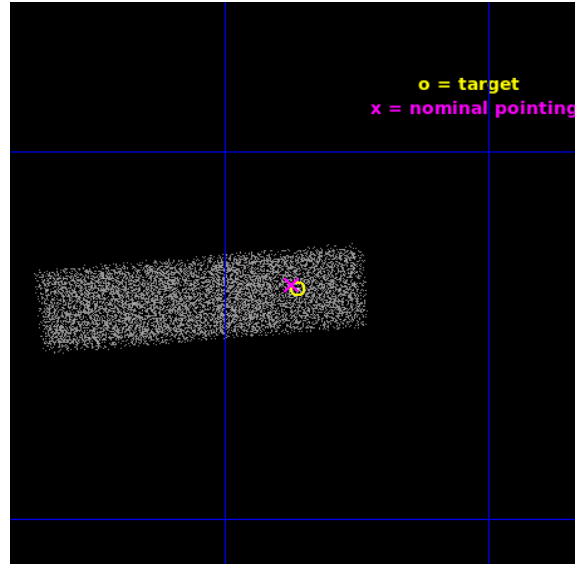
L2 Processing Date : Oct 29 2020

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1 Front

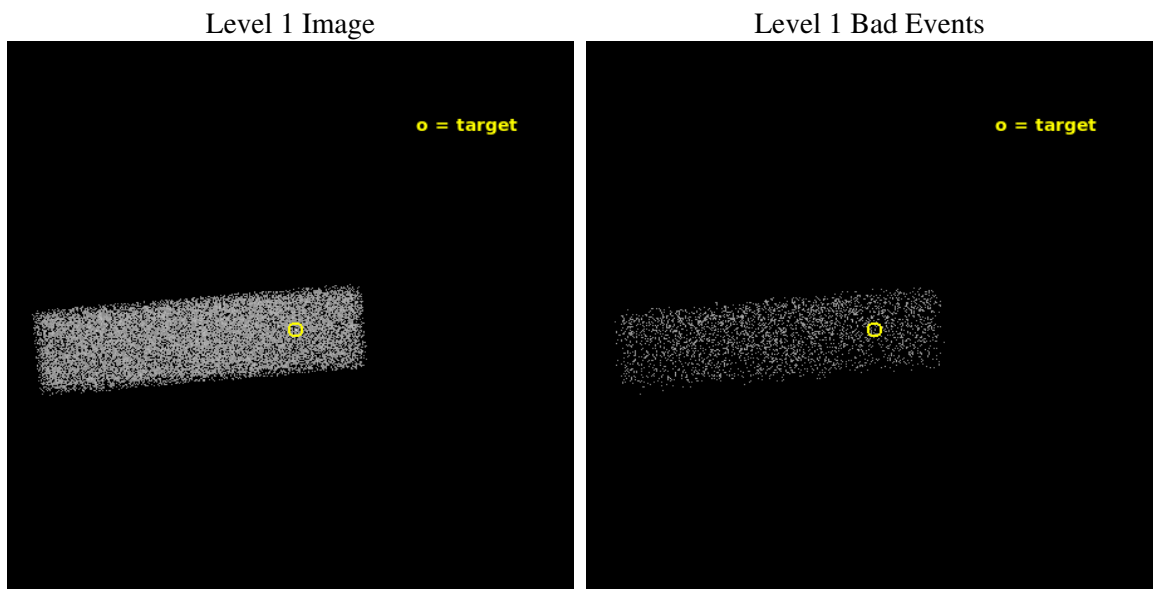
seq_num	703517	Sequence number
obs_id	20412	Observation id
title	A SEARCH FOR BEACONS IN THE EARLY UNIVERSE: A SURVEY OF HIGH REDSHIFT RADIO JETS	Proposal title
observer	Daniel Schwartz	Principal investigator
object	J1128+2326	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.215417	Observer's specified target RA [deg]
dec_targ	23.438139	Observer's specified target Dec [deg]
ra_nom	172.21813853353	Nominal RA [deg]
dec_nom	23.439800178478	Nominal Dec [deg]
roll_nom	174.97376815073	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10060.429747105	Sum of GTIs [s]
livetime	9569.5136945731	Livetime [s]
ontime7	10060.429747105	Sum of GTIs [s]
l2events	11516	Number of level 2 events



2 OBI

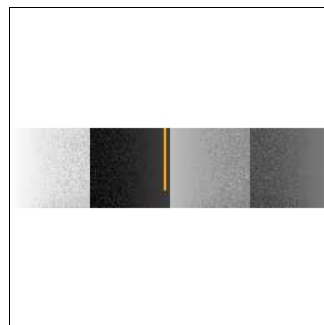
2.1 OBI

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	10060.429747105	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	10060.429747105	Sum of GTIs [s]
date	2020-10-29T23:18:20	Date and time of file creation	l1events	25617	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

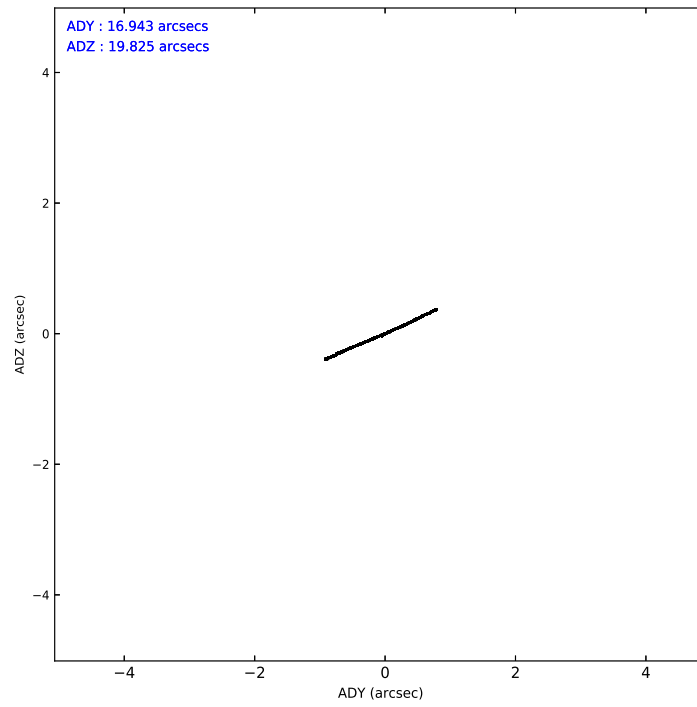
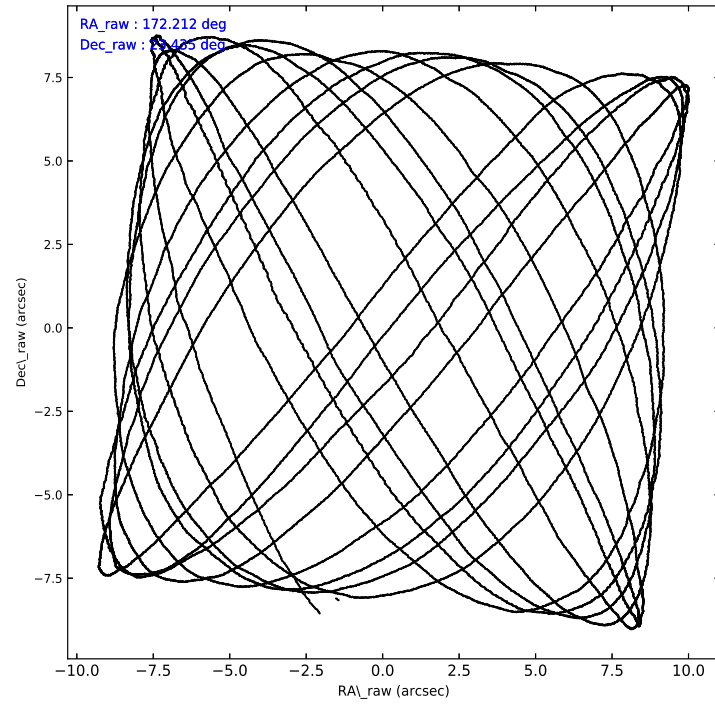
	ccd 7
level 1 events	25617
rejected events	13673
rejected %	53%

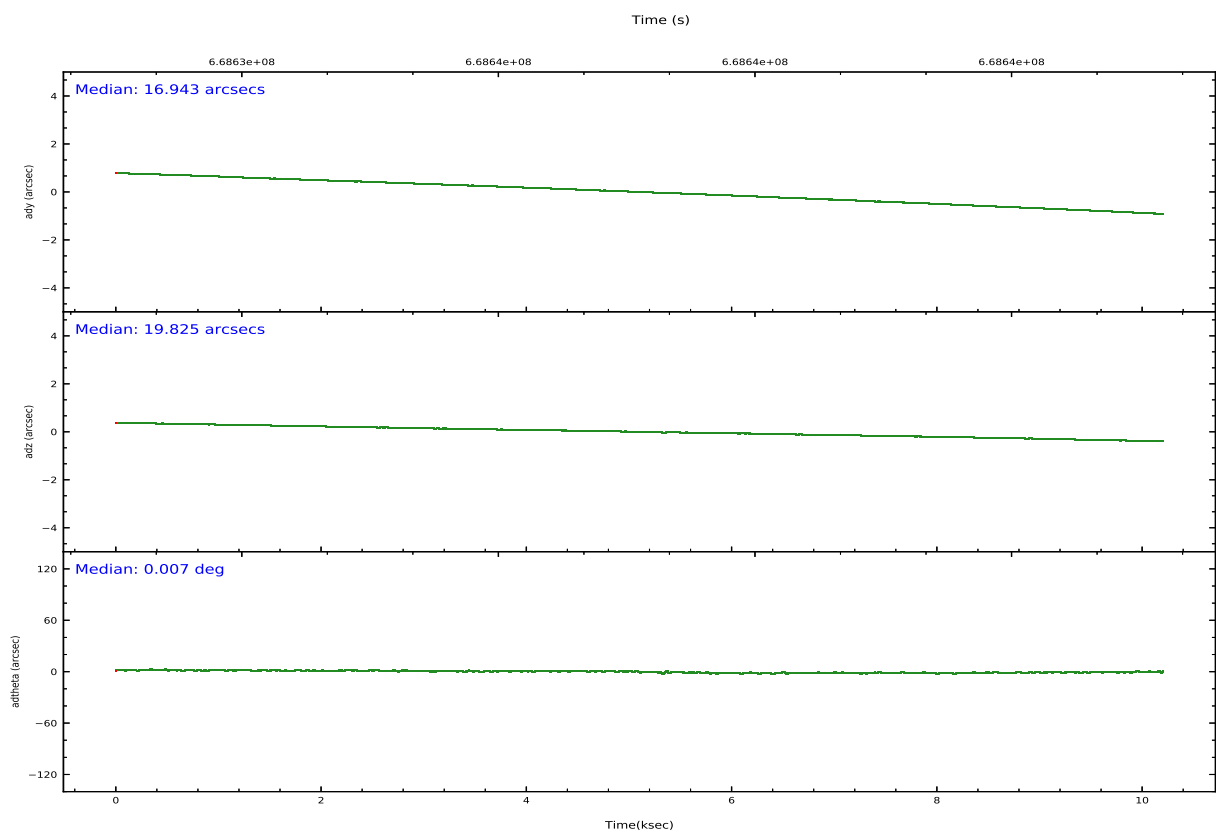
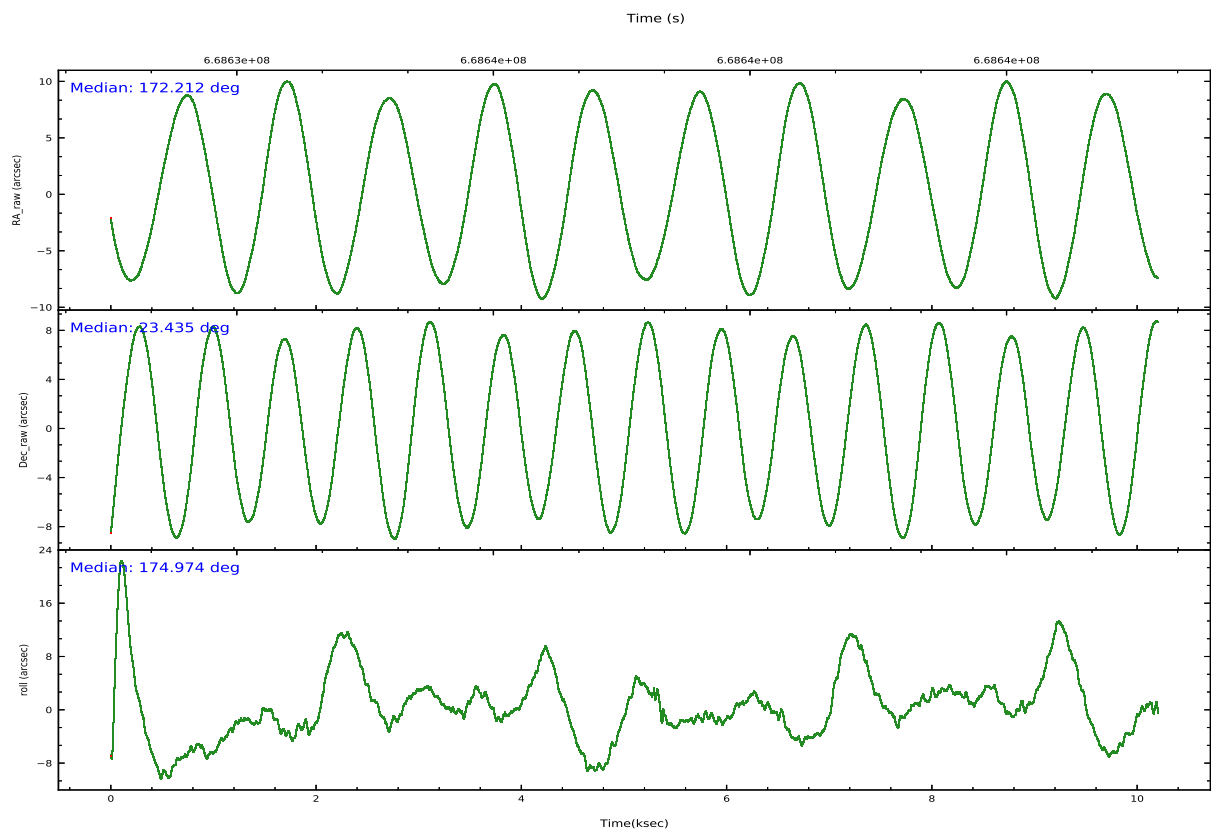
	ccd 7
grade 0 events	1115
	4%
grade 1 events	42
	0%
grade 2 events	2260
	8%
grade 3 events	1428
	5%
grade 4 events	1257
	4%
grade 5 events	2521
	9%
grade 6 events	5884
	22%
grade 7 events	11110
	43%

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	172.239205	172.21813853353	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	23.446442	23.439800178478	Subarray start row	385	385
[deg] Pointing Roll	174.813210	174.97376815073	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)	668631476.184000	668630893.9421901			
Observation start date	2019-03-10T18:56:47	2019-03-10T18:48:13			
[s] Observation end time (MET)	668641476.184000	668642111.54286			
Observation end date	2019-03-10T21:43:27	2019-03-10T21:55:11			
Read mode	TIMED	TIMED			

2.3 Aspect



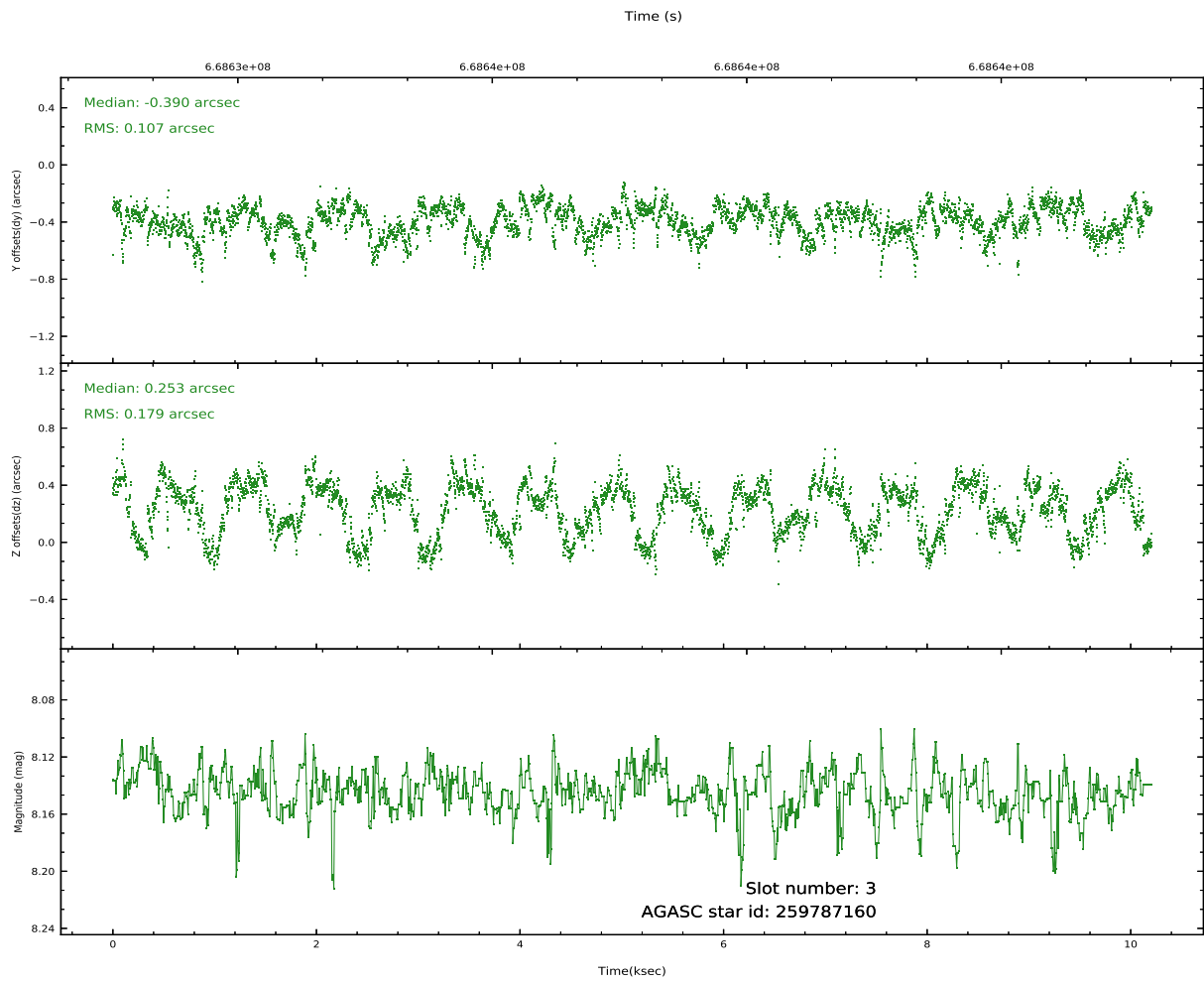
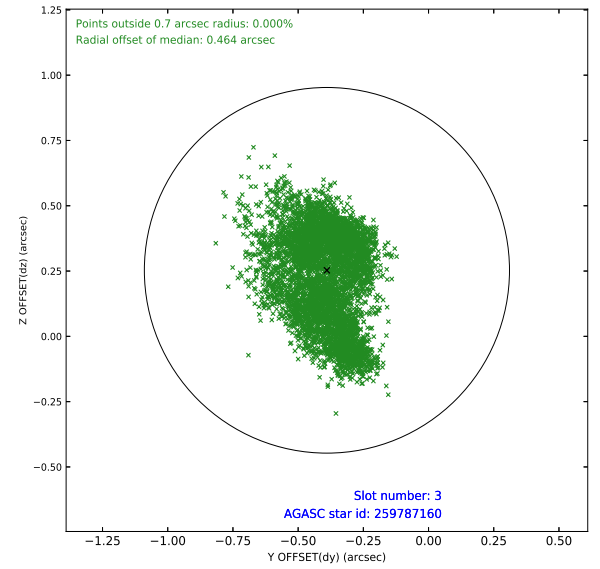
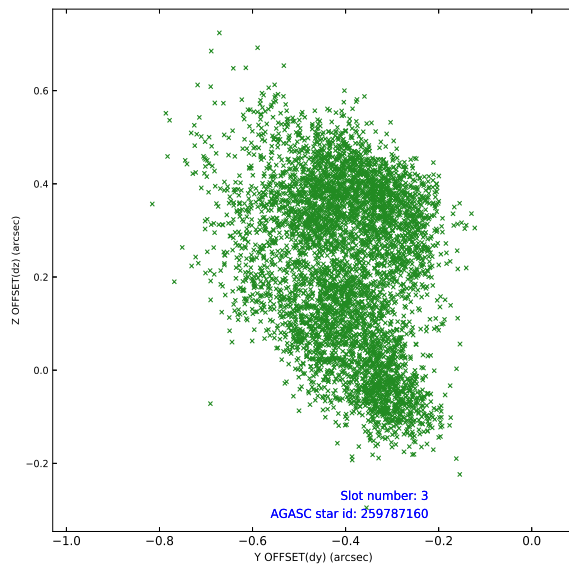


Slot Statistics

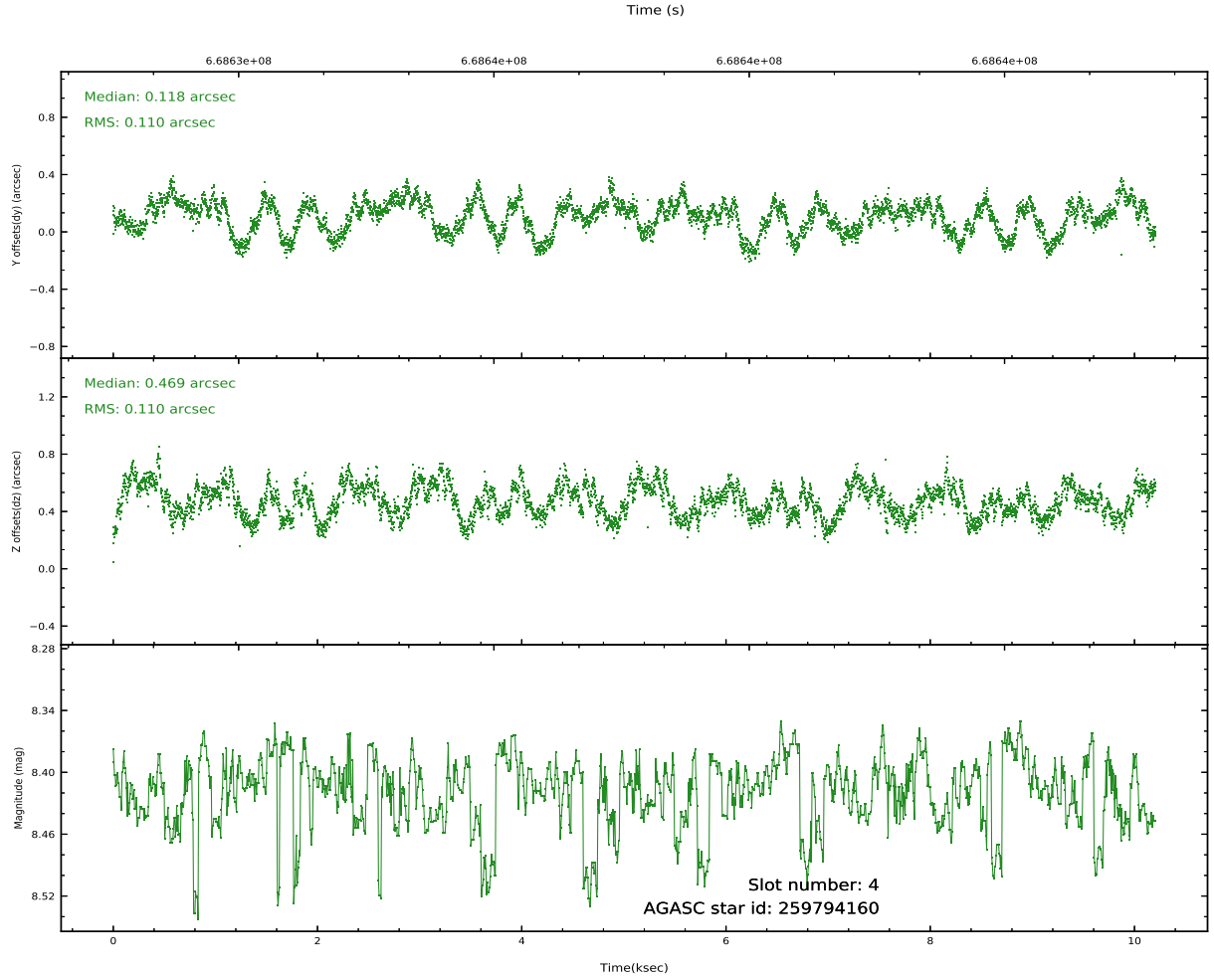
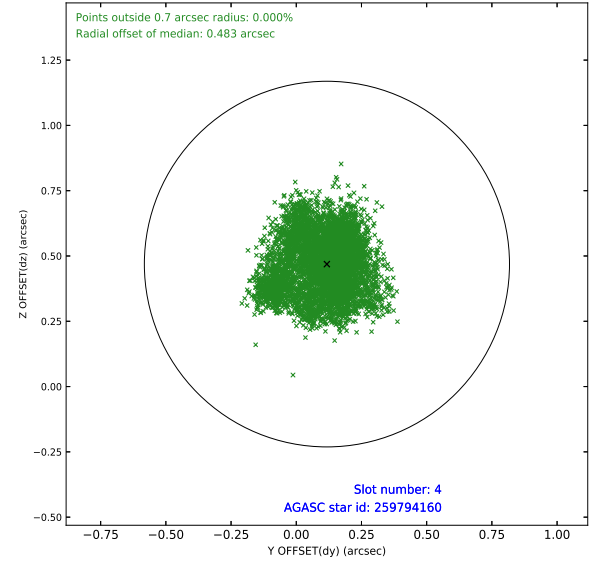
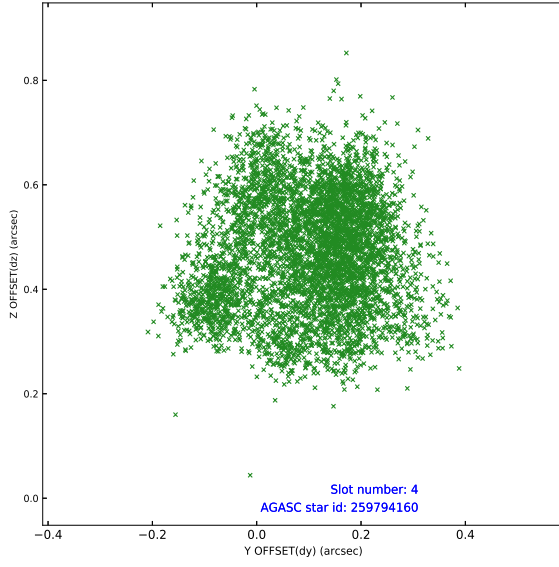
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.12	2490	1.000	0.241	-0.133	0.017	0.023	0.000000	0.000000	-770.05	-1741
1	FID		ACIS-S-4	7.26	2489	1.000	0.106	-0.080	0.027	0.038	0.000000	0.000000	2143.23	166
2	FID		ACIS-S-5	7.22	2490	1.000	-0.381	0.220	0.013	0.018	0.000000	0.000000	-1822.48	161
3	GUIDE	used	259787160	8.14	4975	1.000	-0.390	0.253	0.220	0.356	172.838612	22.817745	-2184.66	2071
4	GUIDE	used	259794160	8.42	4977	1.000	0.118	0.469	0.173	0.253	172.933537	23.871242	-2137.30	-1733
5	GUIDE	used	259795728	9.55	4958	1.000	0.467	-0.150	0.295	0.538	171.817290	24.133238	1604.64	-2339
6	GUIDE	used	259796728	8.92	4973	1.000	0.008	-0.328	0.172	0.291	171.857755	23.321466	1215.89	559
7	GUIDE	used	259797600	8.81	4974	1.000	-0.212	-0.190	0.259	0.396	172.029681	23.191855	611.50	974

2.4 Star Slots

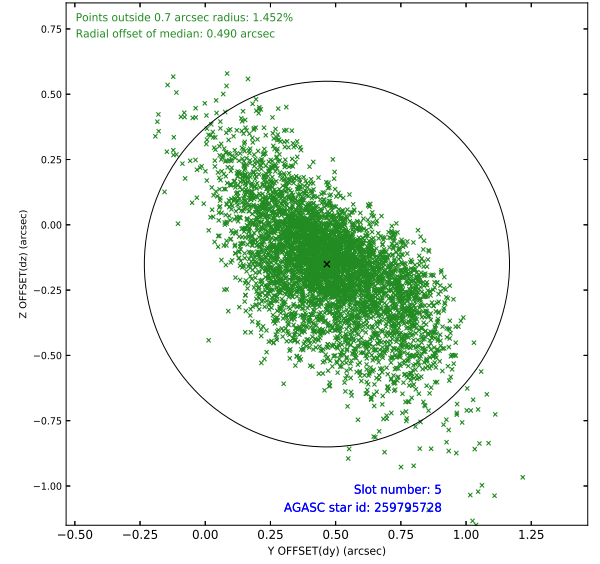
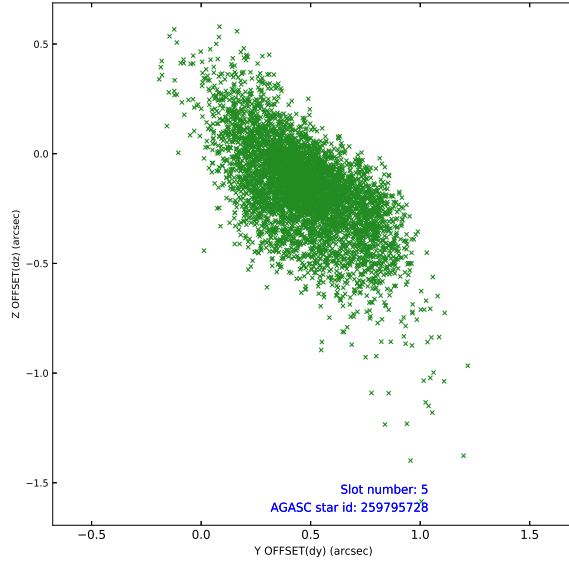
2.4.1 Slot 3



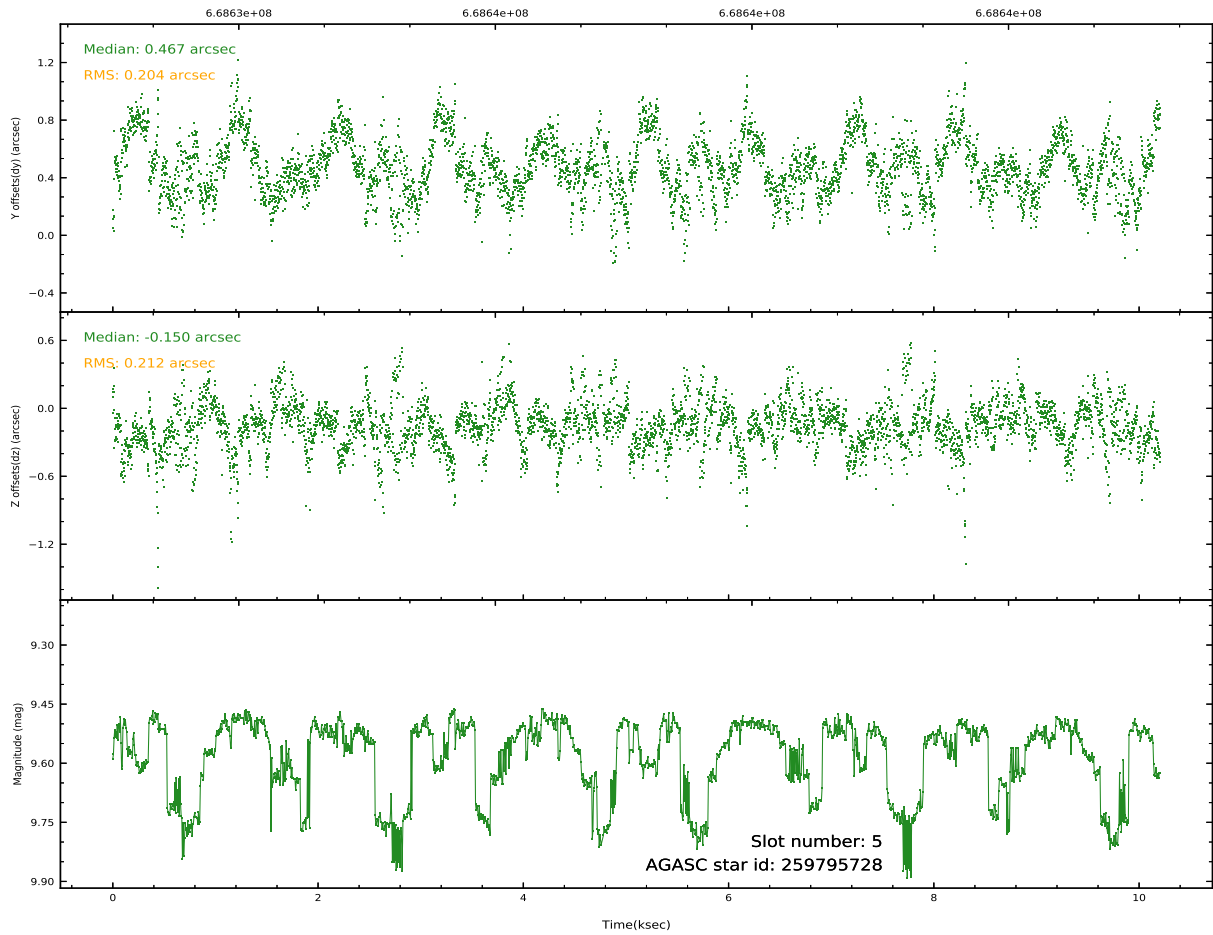
2.4.2 Slot 4



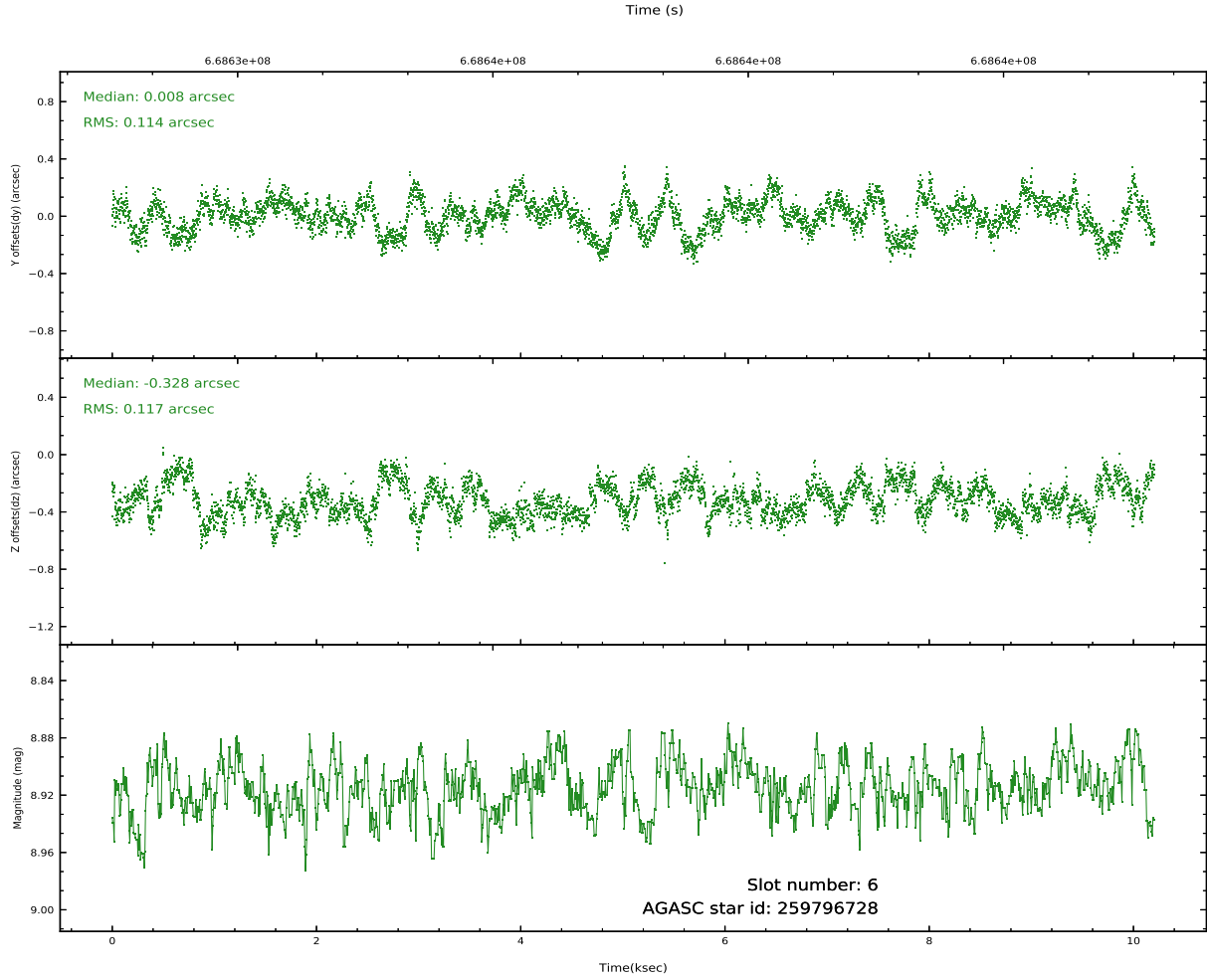
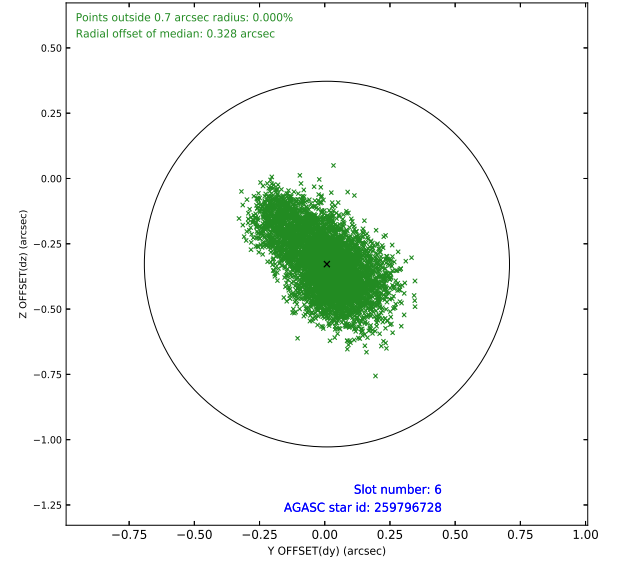
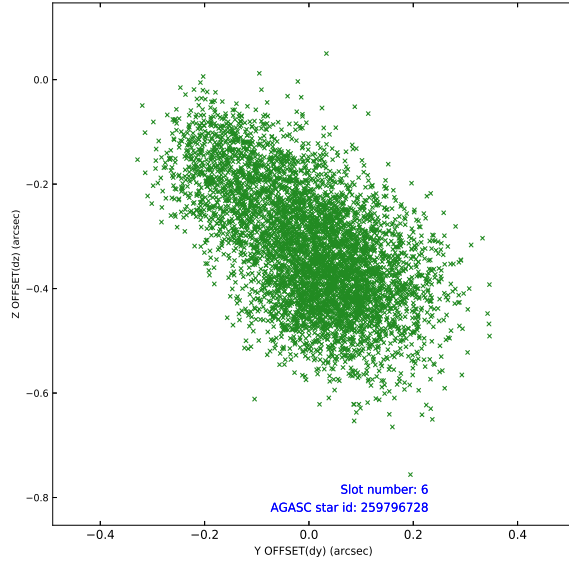
2.4.3 Slot 5



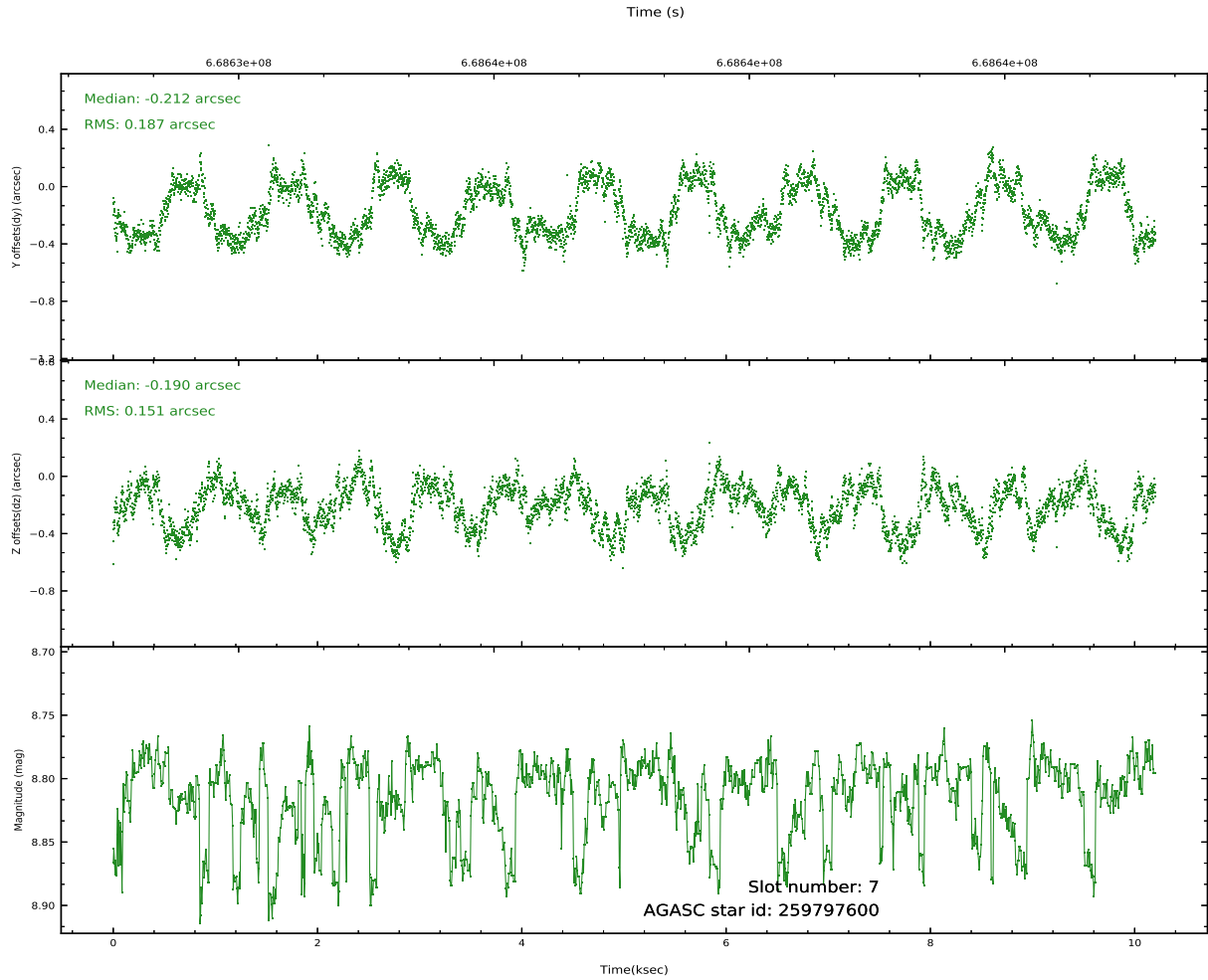
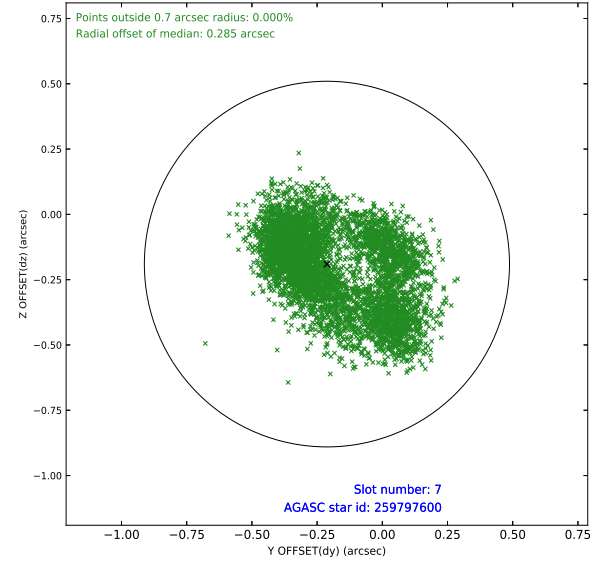
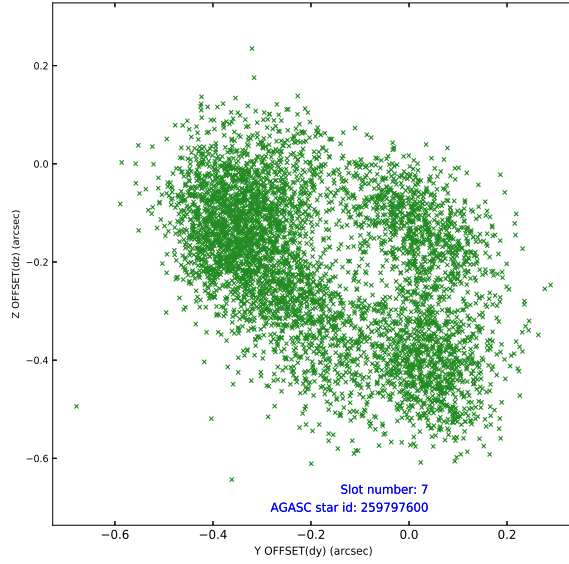
Time (s)



2.4.4 Slot 6

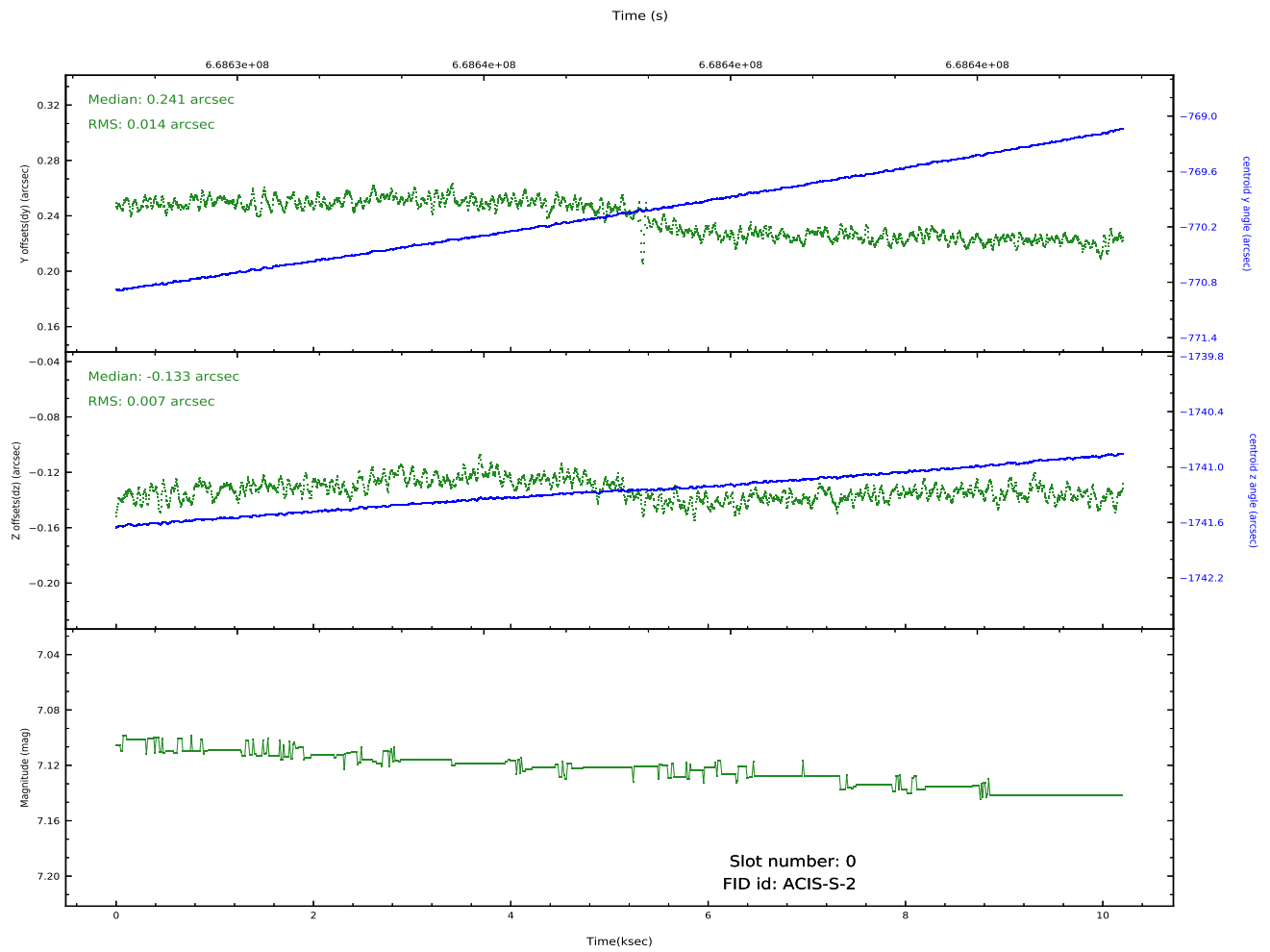
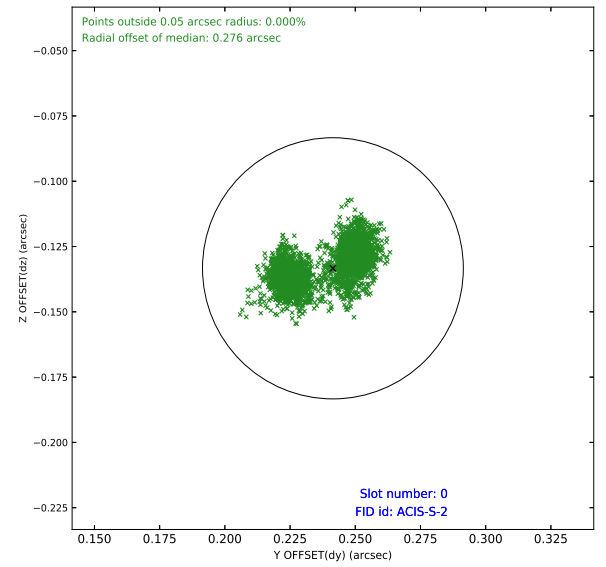
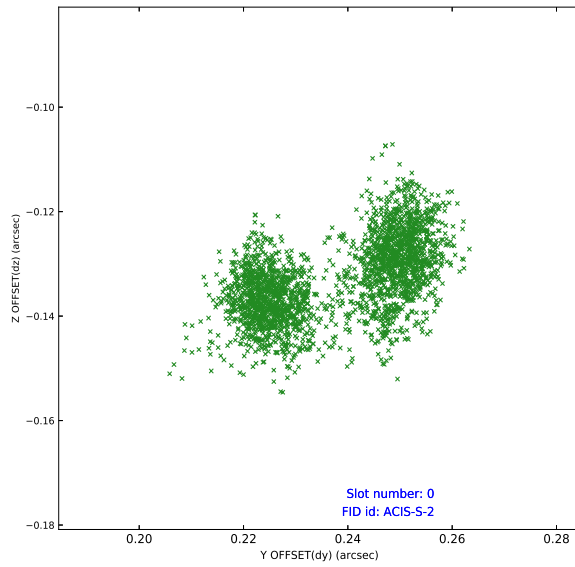


2.4.5 Slot 7

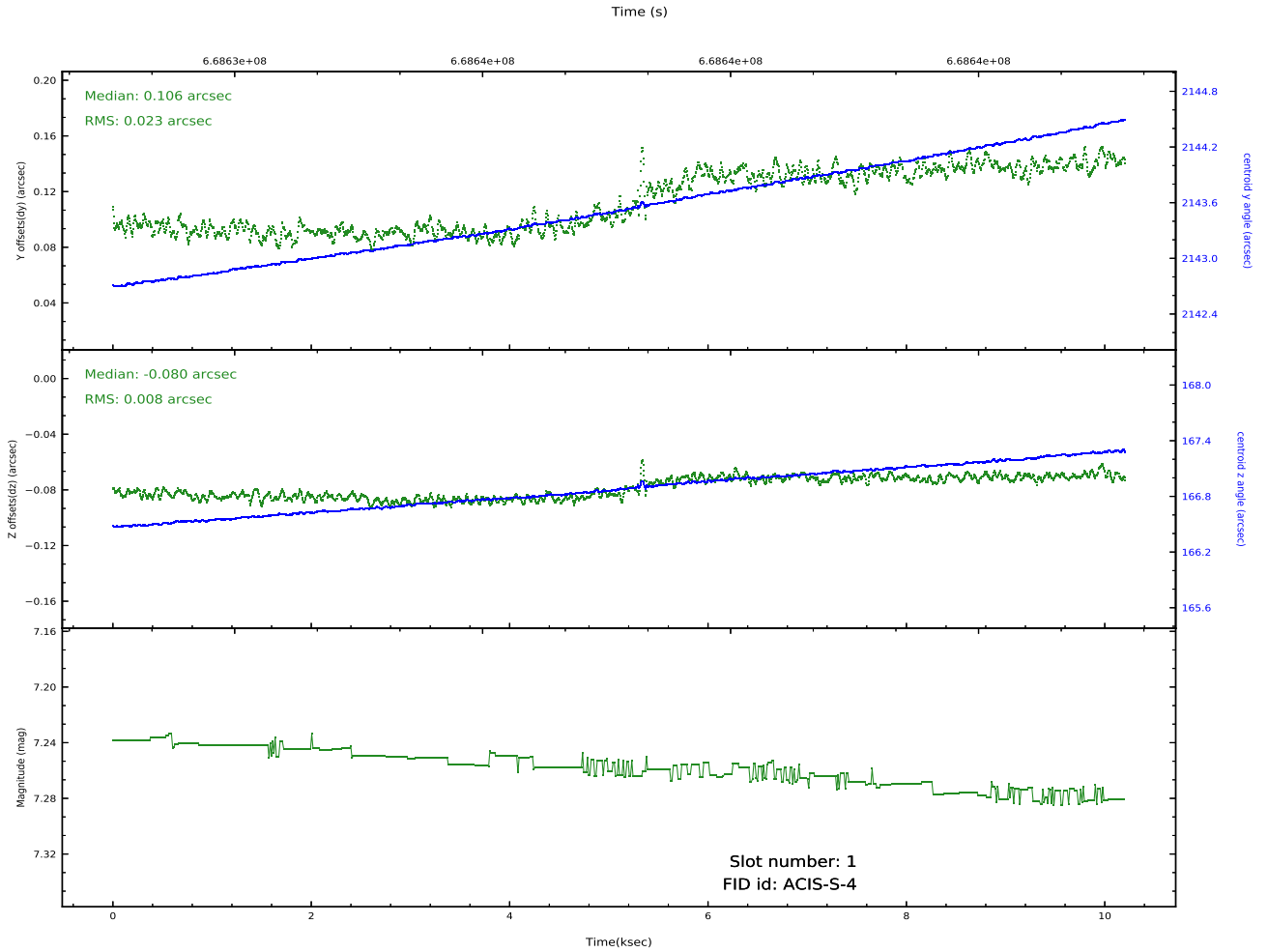
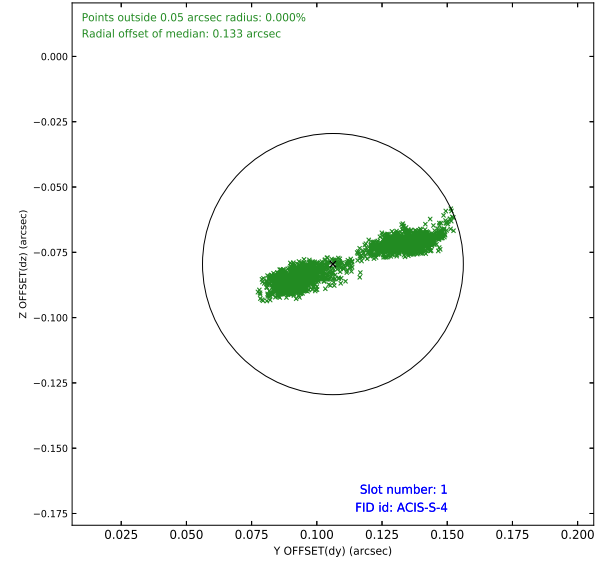
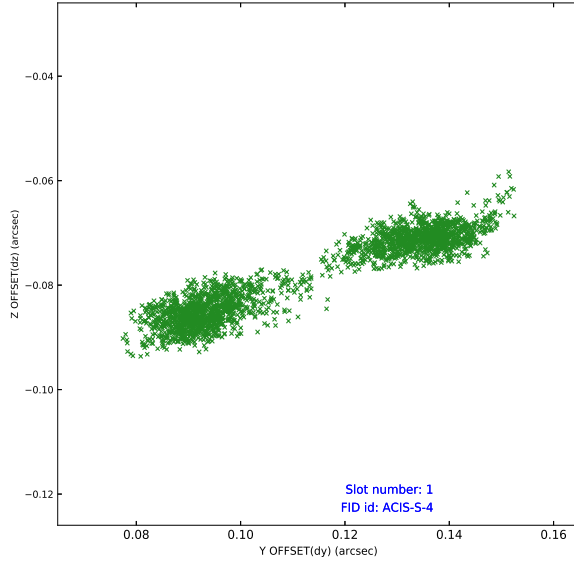


2.5 FID Slots

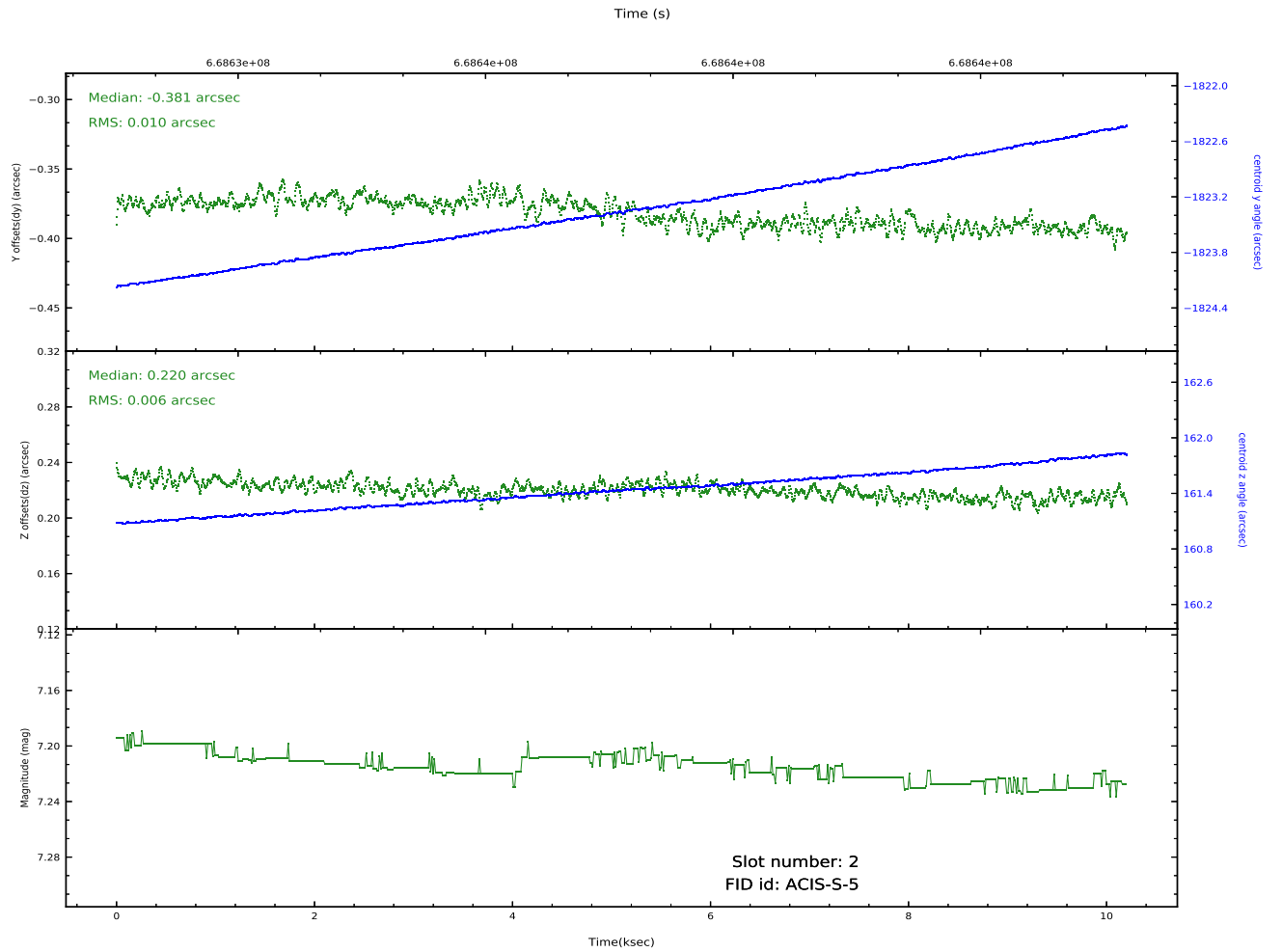
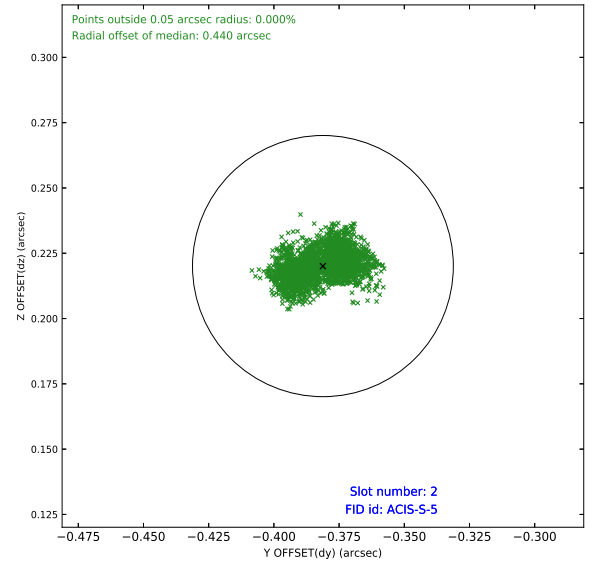
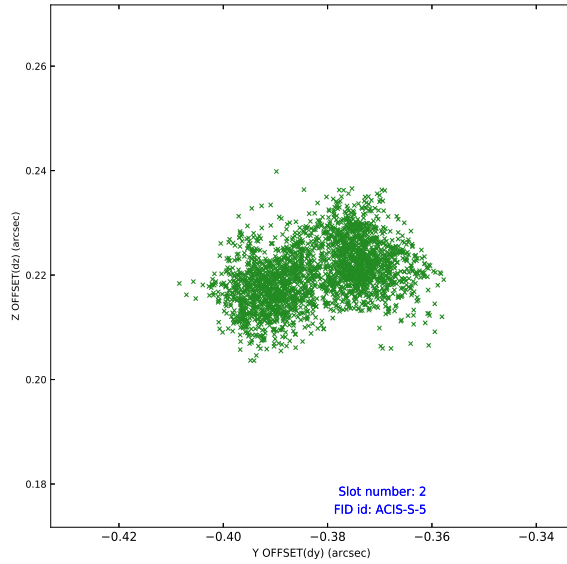
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0604297508

A.2 Comments